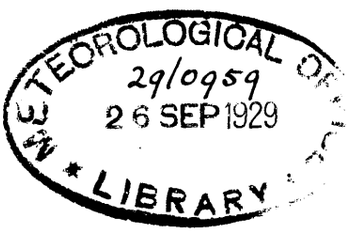
EXAMINED BY BBR 27/9/29
AUTHORITY FOR ISSUE
ISSUED ON 24 9 29

M.O. 310

FOR OFFICIAL USE.

Air Ministry

METEOROLOGICAL OFFICE



THE OBSERVATORIES' YEAR BOOK 1927

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

Published by the authority of the
METEOROLOGICAL COMMITTEE

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

1929

Price £3 3s. od. Net.

40-56-0-27.

PREFACE.

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

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

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

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

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

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

The principal addition to this volume is a set of tables of hourly values of atmospheric electricity as recorded at Lerwick Observatory.

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 in 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.

(.71) Wt. 11 876—6,002/895. 275. 7/29. T.S. 66.

TABLE OF CONTENTS.

TABLE		PAGE
	Preface	2
	Table of Contents	3
	Errata in previous volumes	7
	List of Observatories, with Geographical Positions and Heights	8
	Normal Values and Monthly Summaries	8
	General Introduction to the Meteorological Tables	9
	LERWICK OBSERVATORY.	
	Introduction	23
	ATMOSPHERIC ELECTRICITY.	
	Potential Gradient.	
1	Daily Values at 3h, 9h, 15h and 21h ; Monthly and Annual Means	46
2	Diurnal Inequalities (0*a* Days only)	48
3	Diurnal Inequalities (1*a* and 2*a* Days only)	48
4	Electric Character Figures ; Daily Values and Monthly Means	49
	TERRESTRIAL MAGNETISM.	
5–52	Hourly Values of Horizontal Force, Declination and Vertical Force ; Hourly, Daily and Monthly Means	50
	Daily Extremes and Range ; Monthly Means	51
	Magnetic Character Figures ; Daily Values and Monthly Means	51
	Temperature in Magnet House ; Daily Observations and Monthly Means	51
53–61	Diurnal Inequalities ; Horizontal Force, Declination and Vertical Force, Monthly, Annual and Seasonal Means for each hour	74
62	Monthly, Annual and Seasonal Range of Mean Diurnal Inequalities	77
63	Average Departure from Daily Mean	77
64	Monthly Values of Non-Cyclic Change of Horizontal Force, Declination and Vertical Force	77
65	Monthly Mean Values of the Squares of the Absolute Daily Ranges	77
66	Mean Monthly and Annual Values of Magnetic Elements	77
	AURORA.	
67	Auroral Log	78
68	General Auroral Table	79
	ABERDEEN OBSERVATORY.	
	Introduction	80
	METEOROLOGY.	
	Pressure.	
69–80	Hourly Readings ; Hourly and Daily Means	85
81	Annual Means of Hourly Values	91
82	Monthly Means and Diurnal Inequalities	91
83	Daily Extremes	91
	Temperature.	
84–95	Hourly Readings ; Hourly and Daily Means	92
96	Annual Means of Hourly Values	98
97	Monthly Means and Diurnal Inequalities	98
98	Daily Extremes	98

ABERDEEN OBSERVATORY—*continued.*

TABLE		PAGE
	Humidity.	
99–110	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure	99
111	Annual Means of Hourly Values of Relative Humidity and Vapour Pressure..	105
112	Monthly Means and Diurnal Inequalities of Relative Humidity	105
	Rainfall.	
113	Annual Totals of Hourly Values of Amount and Duration	105
114	Notes on Rainfall for the Year	105
115–126	Hourly Amounts; Hourly, Daily and Monthly Totals of Amount and Duration	106
	Sunshine.	
127–138	Hourly Readings; Hourly, Daily and Monthly Totals..	112
138	Annual Totals and Means of Hourly Readings	117
	Wind, Speed and Direction.	
139–150	Hourly Readings; Hourly, Daily, Monthly and Annual Means of Wind Speed	118
151	Highest Instantaneous Wind Speed recorded each Day by the Dines Tube Anemograph	130
152	Distribution of Wind Speed; Extreme Velocities	130
	Ground Temperature.	
153	Daily Readings, Monthly and Annual Means	131
	Night Minimum Temperature on the grass.	
154	Daily Readings, Monthly and Annual Means	131
	Diary of Cloud, Visibility and Weather.	
155–166	Daily Observations of Cloud, Visibility and Weather	132

ESKDALEMUIR OBSERVATORY.

Introduction 140

METEOROLOGY.

	Pressure.	
167–181	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	175
	Temperature.	
182–196	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	182
	Humidity.	
197–210	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure; Annual Means of Hourly Values of Relative Humidity and Vapour Pressure; Monthly Means and Diurnal Inequalities of Relative Humidity	189
	Rainfall.	
211–224	Annual Totals of Hourly Values—Amount and Duration; Notes on Rainfall for the Year; Hourly Amounts; Hourly, Daily and Monthly Totals of Amount and Duration	195
	Sunshine.	
225–236	Hourly Readings; Hourly, Daily and Monthly Totals; Annual Totals and Means of Hourly Readings	202

ESKDALEMUIR OBSERVATORY—*continued.*

TABLE		PAGE
	Solar Radiation.	
225–236	Measurements of Radiation by Ångström Pyrheliometer	202
	Wind, Speed and Direction.	
237–248	Hourly Readings; Hourly, Daily, Monthly and Annual Means of Wind Speed	208
249	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	220
250	Distribution of Wind Speed; Extreme Velocities	220
	Night Minimum Temperature on the grass.	
251	Daily Readings; Monthly and Annual Means	221
	Diary of Cloud, Visibility and Weather.	
252–263	Daily Observations	222
	ATMOSPHERIC ELECTRICITY.	
	Potential Gradient.	
264	Daily Values at 3h, 9h, 15h and 21h; Monthly and Annual Means	228
265	Diurnal Inequalities (0*a* Days only)	230
266	Diurnal Inequalities (1*a* and 2*a* Days only)	230
267	Electric Character Figures; Daily Values and Monthly Means	231
	TERRESTRIAL MAGNETISM.	
268–315	Hourly Values of North, West and Vertical Components; Hourly, Daily and Monthly Means	232
	Daily Extremes and Range; Monthly Means	233
	Magnetic Character Figures; Daily Values and Monthly Means	233
	Temperature in Magnet House; Daily Observations and Monthly Means	233
316–333	Diurnal Inequalities; North, West and Vertical Components, Declination, Inclination, and Horizontal Force, Monthly, Annual and Seasonal Means for each hour ..	256
334	Diurnal Inequalities; Monthly, Annual and Seasonal Range	262
335	Monthly Values of Non-Cyclic Change of North, West and Vertical Components ..	262
336	Monthly Mean Values of the Squares of the Absolute Daily Ranges	262
337	Mean Monthly and Annual Values of Magnetic Elements	262
338–339	Harmonic Components of the Diurnal Inequality of Magnetic Force	263
340–341	Mean Annual Values for Magnetic Observatories of the Globe	264
	CAHIRCIVEEN (VALENTIA OBSERVATORY).	
	Introduction. Table of Magnetic Results	266
	METEOROLOGY.	
	Pressure.	
342–356	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes ..	279
	Temperature.	
357–371	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes ..	286
	Humidity.	
372–385	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure; Monthly Means and Diurnal Inequalities of Relative Humidity	293

CAHIRCIVEEN (VALENTIA OBSERVATORY)—*continued.*

TABLE		PAGE
	Rainfall.	
386–399	Annual Totals of Hourly Values—Amount and Duration; Notes on Rainfall for the Year; Hourly Amounts; Hourly, Daily and Monthly Totals of Amounts and Duration	299
	Sunshine.	
400–411	Hourly Readings; Hourly, Daily and Monthly Totals; Annual Totals and Means of Hourly Readings	306
	Wind, Speed and Direction.	
412–423	Hourly Readings; Hourly, Daily, Monthly and Annual Means of Wind Speed	312
424	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	324
425	Distribution of Wind Speed; Extreme Velocities	324
	Night Minimum Temperature on the grass.	
426	Daily Readings, Monthly and Annual Means	325
	Diary of Cloud, Visibility and Weather.	
427–438	Daily Observations	326

RICHMOND (KEW OBSERVATORY).

	Introduction	334

METEOROLOGY.

	Pressure.	
439–453	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	349
	Temperature.	
454–468	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	356
	Humidity.	
469–482	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure; Annual Means of Hourly Values of Relative Humidity and Vapour Pressure; Monthly Means and Diurnal Inequalities of Relative Humidity	363
	Rainfall.	
483–496	Annual Totals of Hourly Values—Amount and Duration; Notes on Rainfall for the Year; Hourly Amounts; Hourly, Daily and Monthly Totals of Amount and Duration	369
	Sunshine.	
497–508	Hourly Readings; Hourly, Daily and Monthly Totals; Annual Totals and Means of Hourly Readings	376
	Solar Radiation.	
497–508	Measurements of Radiation by Ångström Pyrheliometer	376
	Wind, Speed and Direction.	
509–520	Hourly Readings; Hourly, Daily, Monthly and Annual Means of Wind Speed	382
521	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	394
522	Distribution of Wind Speed; Extreme Velocities	394
	Ground Temperature.	
523	Daily Readings, Monthly and Annual Means	395
	Night Minimum Temperature on the grass.	
524	Daily Readings, Monthly and Annual Means	395
	Level of Underground Water.	
525	Daily, Monthly and Annual Means; Extremes for each Month..	395
	Diary of Cloud, Visibility and Weather.	
526–537	Daily Observations	396

RICHMOND (KEW OBSERVATORY)—*continued.*

TABLE		PAGE
	ATMOSPHERIC ELECTRICITY.	
538	Electric Character Figures ; Absolute Observations of Air-Earth Current and of Ionic Charges ; Daily Values and Monthly Means	402
	Potential Gradient.	
539	Daily Values at 3h, 9h, 15h and 21h ; Monthly and Annual Means	403
540	Diurnal Inequalities ; Selected Quiet Days	405
	ATMOSPHERIC POLLUTION.	
	Results from Owens Atmospheric Pollution Recorder.	
541	Monthly, Annual and Seasonal Means for each Hour	405
542	Diurnal Inequalities	405
	SEISMOLOGY.	
543	Seismological Diary	406
544	Microseisms	417
	AEROLOGICAL SECTION.	
	Introduction	420
	SOUNDINGS WITH REGISTERING BALLOONS.	
545	Dates of Upper Air Soundings, Particulars of Place of Fall of the Recording Instruments, Wind Data, and Principal Results of each Ascent	423
546	Notes on the Pressure Distribution and on Peculiarities of the Individual Records ..	423
547	Heights and Temperatures corresponding with Isobaric Surfaces	427
548	Pressures and Temperatures at given Heights	427
549	Lapse Rate of Temperature between given Heights..	427

ERRATA IN PREVIOUS VOLUMES

Year Book, 1925.

P. 131. Table 127.—Maximum on 9th November *For* 075·1 *read* 975·1.
Mean Maximum value for November *For* 809·74 *read* 989·74.
P. 138. Table 142.—Maximum on 1st January *For* 807· *read* 80·7.
P. 194. Table 239.—Value of West Component for 17h. on 21st should *read* 582 *not* 516 in consequence of which :—
P. 194. Table 239.—Mean for 21st should *read* 545 *not* 542.
Mean for 17h. should *read* 557 *not* 555.
P. 206. Table 263.—Value for July, 17h. should *read* +19·4 *not* +17·2 and all other values of this inequality, except 15h. and 21h. are lowered by 0·1.
Year 17h. should *read* +10·5 *not* +10·3.
Summer 17h. should *read* +16·7 *not* +16·1.
P. 207. Table 265.—July 17h. should *read* +2·75 *not* +2·32.
Year 17h. should *read* +1·61 *not* +1·57.
Summer 17h. should *read* +2·27 *not* +2·16.
P. 207. Table 267.—July 17h. should *read* +23·9 *not* +23·3.
P. 213. Table 285.—" All " Days : West Component ; July α_1 *For* 297 *read* 197.
Quiet Days : Vertical Component ; Equinox α_2 *For* 242 *read* 272.

Year Book, 1926.

P. 33.—11th Line from bottom. *For* 21·8 *read* 2·18.
P. 159.—Line 10. *For* 30 km. *read* 300 km.
P. 258.—Wind Speed. Line 3 *For* February *read* November and *for* December *read* January.
Line 5. *For* February *read* November.
P. 261.—3rd Paragraph. Line 1. *For* 1′·6 *read* 11′·6.
P. 301.—Table 410. Mean Wind Speed March 5th, 24h. *For* 1·2 m/s *read* 11·2 m/s.
P. 310.—Table 421. Data printed against January refer to December, those against February to November, against March to October, April to September, May to August, June to July, July to June, August to May, September to April, October to March, November to February while those against December refer to January.

LIST OF OBSERVATORIES.

	Latitude.	Longitude	G.M.T. of Local Mean Noon.	Height above M.S.L. in metres.
	° ′	° ′	h m	
Lerwick, Shetland Isles	60 8 N.	1 11 W.	12 5	81·7
Aberdeen	57 10 N.	2 6 W.	12 8	13·4
Eskdalemuir, Dumfries-shire	55 19 N.	3 12 W.	12 13	242·0
Valentia Observatory, Cahirciveen, Co. Kerry.	51 56 N.	10 15 W.	12 41	9·1
Kew Observatory, Richmond, Surrey ..	51 28 N.	0 19 W.	12 1	5·5

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

NORMAL VALUES AND MONTHLY SUMMARIES.

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

For Eskdalemuir the same publication gives hourly averages for the months and for the year, referred to the period 1911–1915.

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

Monthly normal values of maximum, minimum and mean temperature, rainfall and sunshine for the period 1881-1915 are published in the *Book of Normals, Section I* for Aberdeen, Cahirciveen, Richmond and Falmouth. *Section IV* of the same publication gives information regarding the range of variation of temperature and rainfall at the same observatories, and monthly frequencies of the normal numbers of days of hail, thunder, snow, snow-lying and ground frost. *Section VI* of the *Book of Normals* gives 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.

GENERAL INTRODUCTION TO THE METEOROLOGICAL TABLES.

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

The positions of the Observatories and the heights of the sites are given on p. 8.

Notes on the Instruments and Tabulation of the Records.

A detailed description of the barograph, thermograph, and Beckley raingauge 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.

A beam of light is passed through the space between the surface of the column of mercury and the top of the tube, and, after passing through a diaphragm which reduces the width of the beam of light to a very narrow sharp line, is focussed upon a sheet of sensitized paper (ordinary " bromide " paper is employed) carried upon a cylinder which is rotated by clockwork and makes one revolution about its vertical axis in rather more than 48 hours.

The barogram is therefore a continuous photograph of this narrow 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.

The expansion of a zinc rod is utilised to compensate for the effect of temperature upon the height of the barometric column ; the arrangement produces mechanically a lengthening of the beam of light at its upper end as it becomes shortened at its lower extremity by the expansion of the mercury in the tube. 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 as narrow white spaces on the record corresponding with known points of time. Until 1918 these time-breaks occurred at the even hours, 2h, 4h, 6h, etc., but it was found that when the edge of the record was not critically sharp owing to various causes, a systematic error was introduced when measuring the records, whereby the values at the even hours were slightly in excess of those at the odd hours where no time-break existed. From 1918 onwards the clock was so arranged that the time-breaks should occur half an hour before the even hours ; by this means both even and odd hour-values are measured at points on the trace which are unaffected by any systematic difference.

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

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

The scale value ot 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 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 degrees and for time. The scale is graduated so as to read degrees vertically and hours horizontally.

Two alternative methods of reading the curves have been adopted.

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

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

---

* At Cahirciveen and Richmond the rule is to apply the same correction for the whole chart.

† At Eskdalemuir the screen stands in the open.

Rainfall.—This element is recorded by a Beckley self-registering raingauge, 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 paper stretched upon 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 raingauge 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 raingauge 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 raingauge are, if necessary, subjected to a proportional correction whereby they are brought into agreement with the amount of rainfall as recorded by the check raingauge which is read twice daily at 7h. and 18h.

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

Wind - Speed and Direction.—The hourly values of wind-speed and direction which appear in this volume are derived from the records of Dines tube anemographs. These instruments record the speed of the wind and its direction directly as functions of the time. For volumes previous to that of 1926 the hourly values of wind-speed and direction were derived from the records of Robinson Cup Anemographs, except at Eskdalemuir, where the records of tube-anemographs have always been used for the purpose of hourly values. Particulars of the exposure of the tube-anemographs at the several observatories will be found in the introductions to the data for each observatory. A description of the tube anemograph will be found in the *Meteorological Observer's Handbook.*

In consequence of these changes the values of wind-speed published for Aberdeen, Cahirciveen and Richmond for 1926 and 1927 are not directly comparable with those published for earlier years. The matter was briefly discussed in the General Introduction to the *Year Book* for 1926. The following table gives, for the various wind directions, the mean values of windspeed recorded by the tube anemographs, expressed as percentages of the corresponding values recorded by the cup anemographs :—

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

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

Wind Direction in degrees from North.	Aber-deen.	Cahir-civeen.	Rich-mond.	Wind Direction in degrees from North.	Aber-deen.	Cahir-civeen.	Rich-mond.
10	131	103	99	190	138	137	96
20	132	103	100	200	132	134	99
30	130	104	103	210	124	128	99
40	117	103	103	220	115	115	100
50	115	104	104	230	108	102	100
60	115	105	99	240	110	90	100
70	119	105	99	250	112	88	101
80	113	104	97	260	114	85	101
90	110	102	101	270	128	82	101
100	126	98	104	280	124	81	103
110	121	97	102	290	110	83	101
120	118	98	100	300	99	88	96
130	118	100	104	310	100	92	93
140	125	103	102	320	108	95	96
150	128	107	98	330	111	97	99
160	137	114	92	340	120	98	98
170	133	123	92	350	138	99	103
180	135	134	95	360	135	102	104

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.

Notes on the Tables.

General.—Interpolated values are printed within brackets, ( ). Maximum and minimum values are printed in heavy type.

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, relative humidity and wind speed 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.

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. Thus, in a table of diurnal inequalities the entry d_n for the hour n is given by

$$d_n = x_n - \bar{x} - (n - 12)\ (x_{24} - x_0)/24,$$

x_n being the value of the element at hour n and $\bar{x}$ the mean for 24 hours.

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

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

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

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

As a millibar is a pressure, it can only be obtained from the reading of a barometer after the latter has been suitably corrected for

(*a*) index error,
(*b*) temperature,
(*c*) gravity.

All these corrections have therefore been applied to the barometer readings in obtaining the pressure values published in this volume. The corrections for temperature and gravity have been obtained from tables consistent with the *International Meteorological Tables*. (Gauthier-Villars, Paris, 1890.)

Unless otherwise stated all pressure values refer to the level of the observatory as given in the headings of the tables. The reduction to Mean Sea Level, if made, has been calculated from tables prepared for each observatory, except Eskdalemuir, from the formulæ of the *International Meteorological Tables*. The method of reducing pressure to sea-level at the relatively high-level observatory at Eskdalemuir is explained in the introduction to the Eskdalemuir Section.

---

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

The tables contain values of pressure at exact hours obtained from the photographic barograms in the manner described on p. 9; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. Monthly and annual means of the hourly values after reduction to mean sea level are also given.

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

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

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

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

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

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

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

Humidity.—When the temperature of the wet bulb is above 273a, 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."

---

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

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

‡ Glaisher's Hygrometrical Tables, 7th edition, London.

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). They 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 273a, 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 273a.

The mean hourly values of vapour pressure are computed by slide rule from a table* of saturation vapour pressure over water, and the corresponding mean hourly 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, values of relative humidity less than 30 per cent. seldom occurred; under the new system, values less than 20 per cent. may occur not infrequently.

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

---

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

Rainfall.—Tables are given showing for the 60 minute intervals between exact hours* the amount of precipitation, expressed in millimetres, derived from the record of the Beckley gauge (see p. 11). Totals of amount are given for each day, and for each month; the latter totals referring both to the complete days of the month, and to each of the hours of the day. When zero rainfall is assigned to a particular hour, the entry appears as " ... ". Corresponding totals of duration of rainfall are also given, the duration being regarded as the number of hours during which rain falls at a rate of not less than 0·1 millimetre per hour. If slight precipitation, due to rain, snow, fog or dew, extends over some hours, and if the amounts collected in some or all of the hours are less than ·1 mm., the fact is indicated by a succession of entries, each of which is enclosed within brackets, covering the period over which precipitation is known or believed to have occurred. In such cases entries of (·1) are allocated evenly among the hours concerned in such a way that their sum is equal to the aggregate fall during the period, and the remaining entries are (...), (*), (≡) or (⌓) according as the precipitation took the form of rain, snow, fog or dew. Slight precipitation which takes other forms such as hail, sleet, hoar frost, glazed frost and rime is dealt with similarly. When it is impossible to determine the hourly amounts of precipitation, *e.g.*, during snowfall or on occasions when the record has failed, the normal procedure is to consider each case on its merits, and to assign hourly values derived from estimates made by the observers as soon as possible after the event. Such values are also enclosed in brackets.

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

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

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

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

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

---

* For the years 1904 to 1920 it was the practice to tabulate rainfall for the period of 60 minutes centred at the exact hours; the reversion to the method in use for 1903 *et ante* occurred on 1st January, 1921.

† Previous to 1st January, 1921, sunshine was tabulated for the period of 60 minutes centred at exact hours.

‡ Formerly it was the practice to take the direction at the exact hour. The present rule was adopted as from 1st May, 1915 (see also Introduction to *Hourly Values from Autographic Records*, 1913, p. xv.).

For speeds not exceeding 1·5 m/s the wind directions are regarded as indeterminate and are omitted.

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 which may be falling at those hours. There is also a column devoted to remarks on the weather of the day.

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

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

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

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

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

As described in detail in the *Meteorological Observer's Handbook* (Ed. 1926), a series of selected objects, A, B, C . . ., as nearly as possible at the standard distances given in the table which follows, are used for this observation. The objects are selected so as to be readily seen and identified from specified observing points in daylight,

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

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

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

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.

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

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

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

In volumes previous to 1926, occasions of haze, mist and fog were indicated by the International symbols for these phenomena, viz., ∞, ≡° and ≡ respectively, but the relation of these terms to the visibility scale was less rigorous. In order to indicate that a change in procedure has occurred in this matter, the three International symbols for haze, mist and fog have not been used in the tables for 1926 and 1927.

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

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

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

Beaufort Notation and International Weather Symbols.

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

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

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

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

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

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

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

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

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

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

M.O. 310
(Lerwick)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

LERWICK

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

1929

LERWICK OBSERVATORY.

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

INTRODUCTION.

GENERAL REMARKS.

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

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. ×3 m.), and after construction several months had to elapse before the thick concrete walls and roof could be thoroughly dried and the recording instruments placed in position. These instruments, which are described below, consist of magnetographs recording magnetic declination and horizontal and vertical force. In addition, in order to obtain a record of the more minute changes in the vertical component of terrestrial magnetic force, a line of twin cable was laid in an approximately horizontal plane round Loch Trebister, the terminals of the cable being connected to a suitable galvanometer on which could be measured the current induced in the cable by changes in the vertical component of terrestrial magnetic force. The arrangement is similar to one in use at Eskdalemuir Observatory, but no records from either have yet been included in official publications.

Other instruments installed at the Observatory included barometers, barograph, hygrograph, psychrometers, nephoscope, raingauges (ordinary and self-recording), sunshine recorder and Dines tube anemograph and, later, an electrograph. But meteorological observations have been restricted, and the time of the somewhat limited staff available has been devoted chiefly to magnetic work and to some work in atmospheric electricity.

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 ¼ mile (·4 km.) then slopes sharply down to the sea. In other directions there is a downward slope for about ¼ mile extending to the Loch of Trebister on the south-west, Sandy Loch to north-west, and to the

Burn of Sound to north-north-west ; beyond these and distant about ¾ mile (1·2 km.) from the Observatory are small hills—Munger Hill to the south is about 320 feet (97 metres) above M.S.L., Shurton Hill to west-north-west rises to 576 feet (176 metres), and Stony Hill to the north to about 400 feet (122 metres). In clear weather it is possible to see the Outer Skerries, 25½ miles (41 km.) north-east by north, and Sumburgh Head, 20 miles (32 km.) south by west ; the horizon in other directions is limited to a few miles.

The average depth of soil in the vicinity is about a foot, and outcrops of sandstone occur in many places. The surrounding country is barren and desolate, the only vegetation being coarse grass, stunted heather, and moss, with occasional patches of bare black peat. The Observatory ground is of a very uneven nature, and, owing to lack of proper drainage, is frequently water-logged ; in winter it may be almost submerged for considerable periods. Views of the station are shown and the arrangement of buildings and situation of instruments are set out on a site plan in the 1923 Year Book.

ATMOSPHERIC ELECTRICITY.

Notes on the Instruments.—The 1927 records of potential gradient were obtained from a Benndorf electrograph (No. 108, by L. Castagna, Wien) installed in the north-west corner of the Office Block. It had become evident that satisfactory electrograms could not be expected from the site described in earlier Year Books, owing to fumes from the oil stove required to maintain the insulation ; also, in addition to the hut being inconveniently small, it was situated in a remote part of the Observatory grounds, and the instrument could not receive adequate attention. The new site is the more divergent from the ideal for two reasons :—

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

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

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

The collector rod passes through a window in the north wall, and is situated 190 cm. from the corner of the building. The collector, which is 476 cm. above the ground and projects 123 cm. from the window, consists of a copper spiral about 5 cm. long, painted over, by means of a special adhesive varnish, with a salt of radium ; according to the maker, Mr. Harrison Glew, this particular salt has no sensible rate of decay, the loss being only 1 per cent. per century. The collector is soldered into the smaller end of a tapered German silver tube, 76 cm. long, and of triangular cross section, which, in turn, is attached to a " Duralumin " tube, 89 cm. long and 1·3 cm. in diameter. The latter tube passes through a hole, 3·8 cm. diameter, in one end of a wooden box (dimensions 38 × 25 × 10 cm.), where it is supported horizontally between the ends of two metal rods embedded in sulphur. A number of small 2-volt electric bulbs are kept burning inside the box in order to improve the insulation of the supports for the collector rod during wet weather, and a similar bulb is placed inside the case of the electrometer. The rod is connected to the base of the acid pot of the Benndorf electrometer by a fine wire. A detailed description of this instrument is to be found in *Phys. Zeit.* 7 (1906), p. 98, whilst the general principle is described in Mathias' *Traité d'Electricité Atmosphérique et Tellurique*, p. 54, and in Chauveau's *Electricité Atmosphérique*, pp. 61–64.

The record consists of a series of dots made once a minute on a long roll of paper as it is unwound from a drum by clockwork, exact hours being indicated by dots near the edge of the sheet. Timing is taken from electric clock No. 1,031, governed by the Observatory standard, Shelton No. 35. The needle of the electrometer is earthed at least twice daily, and a zero line is obtained by connecting up these earth marks; owing to the constancy of the perpendicular distance between the zero line and the line through the hour marks, further intermediate positions of the zero are easily obtained. Until 28th March, the scale value was about 11 volts per millimetre, the equivalent range in the open being +870 to −570 volts per metre; in view of the serious reduction in the diurnal range for quiet days, a lower sensitivity was considered inadvisable in winter months when no earlier records were available for comparison. Subsequently, the scale value has been about 22 volts per millimetre, which corresponds with a range from +1750 to −1150 volts per metre in the open.

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 5 minutes with a positive charge and for the same interval with a negative charge. Considering the climatic difficulties the behaviour of the instrument in the matter of insulation has been very satisfactory. The rate of leak has been in general small, the average during 1927 being such that the instrument would lose half its potential in 38½ minutes. It has been found that the scale value remains reasonably steady and may, for all practical purposes, be taken as constant across the full width of the sheet. The factor by which the recorded potential must be multiplied for conversion into potential gradient in the open is obtained from absolute measurements above a levelled piece of ground near the old site of the electrograph (see site plan in the Observatories' Year Book, 1923). An insulated wire, stretched horizontally between two stout wooden posts 211 cm. in height and 9·48 m. apart, carries at its centre a burning fuse exactly 1 metre above the ground. Wulf electrometer, No. 5225 (Günther & Tegetmeyer, Braunschweig), is connected to one end of the wire and ten to twenty readings are obtained from the electrometer at 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. Smoothed monthly means of factors so obtained are employed in reduction of the records. No known change occurred in the position of the collector, or in the surroundings, during 1927.

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

	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Mean Value of $-\frac{d}{dt}\log_e V.$	·031	·025	·019	·025	·017	·016	·013	·011	·014	·017	·016	·012	·018
No. of days used in mean	31	28	31	29	31	28	31	29	30	31	30	31	360
Highest $-\frac{d}{dt}\log_e V.$ ...	·067	·082	·037	·097	·043	·034	·023	·029	·031	·045	·027	·023	—
Lowest $-\frac{d}{dt}\log_e V.$ ...	·009	·008	·009	·009	·007	·008	·004	·006	·006	·006	·006	·006	—
Scale Value (v/mm) ...	11·0	10·9	(11·2)* (21·8)	21·7	21·8	(21·6)* (21·8)	(22·0)* (21·5) (20·4) (21·3)	21·4	21·4	21·5	21·8	21·9	—
Mean Exposure Factor	1·29	1·35	1·28	1·36	1·45	1·45	1·34	1·30	1·36	1·34	1·39	1·29	1·35
Applied Exposure Factor	1·31	1·32	1·32	1·36	1·43	1·42	1·36	1·33	1·34	1·36	1·35	1·31	—
No. of Determinations of Exposure Factor...	12	11	12	9	6	22	10	11	10	10	6	6	125

* Changes of scale value occurred on 28th March, 21st June, 12th, 18th and 27th July.

In its response to changes of potential gradient the Benndorf instrument is very sluggish, compared, for instance, with the Kelvin water dropper in use at Eskdalemuir Observatory. In general, the rise to a steady potential takes an approximately exponential character, and it was found that the mean of 140 tests during 1927 gave 69 seconds as the time to rise to half the final value ; the mean of 34 tests in 1925–26 gave a corresponding period of 63 seconds ; this is about 10 times as slow as the water dropper at Eskdalemuir Observatory. 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. It is difficult to accept the readings from a radio-active collector during such times. Fortunately these conditions are rare at Lerwick except in early summer, but on the other hand they are then very interesting.

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

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

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

where K_L measures the rate of leak,
and K_C ,, ,, charging,

then the potential finally acquired by the instrument is equal to the real potential multiplied by $K_C/(K_L + K_C)$.

K_L/K_C varies from $\frac{1}{50}$ to $\frac{1}{20}$, the higher values usually occurring in winter ; that is, the instrument records 2 per cent. to 5 per cent. below the true potential. This variation is included in the exposure factor and would—other things being equal—cause the factor to be about 3 per cent. lower in summer than in winter ; in practice, the factor has been found to be about 12 per cent. higher in summer. As the capacity of the instrument cannot be reduced nothing can be done to remedy this except to keep K_L as small as possible.

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

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

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

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

a, denotes that the range of potential gradient in the open did not exceed 1,000 volts in any of 25 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.

Curves are read by means of a glass scale graduated in millimetres (by R. Fuess, of Berlin), the tabulated values being 60 minute means centering at 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 3h, 9h, 15h, and 21h, on all days, and for each hour on " a " days.

An indication of the characteristics of indeterminate potentials may be obtained from the tabulations; z is marked against hours in which there occurred oscillations of such a nature that a satisfactory estimate of the mean ordinate of the trace could not be made.

The signs +, —, ±, follow the z to indicate on which side of zero the mean value lay.

The hourly values for 3h, 9h, 15h, and 21h are given in Table 1; gaps in the tabulation indicate that the record was in some manner defective. 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.

The extreme hourly values recorded were :— +1032v/m, August 4d 15h, during fog; <—1226 v/m., May 20d 21h, during continuous rain. As the trace frequently passed off the sheet, particularly during the earlier months, these values may have been exceeded. Details of occasions when potential was negative for periods approximating to or exceeding six hours, together with the mean potentials during the periods are as follow :—

(1) Jan. 1d 10h 15m to 18h 30m; <—353 v/m. (Continuous rain.)
(2) Feb. 22d 8h 50m to 16h 50m, except for one interval of four minutes of small positive potential; <—382 v/m. (Continuous rain.)
(3) March 30d 14h 10m to 20h 0m; <—939 v/m. (Continuous rain.)
(4) May 20d 9h 0m to 22h 0m; <—786 v/m. (Intermittent rain before 13h, continuous rain later.)
(5) July 28d 9h 30m to 15h 30m; <—1018 v/m. (Continuous rain and fog.)
(6) Oct. 27d 8h 50m to 17h 50m, except for low positive potential during one interval of three minutes; <—529 v/m. (Continuous rain.)

The diurnal inequalities for 0*a* 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 for the seasons and year are means of the monthly inequalities. Similar data for the 1*a* and 2*a* days are given in Table 3.

The winter diurnal variation is of the usual type but there is much less difference between the winter and summer curves than at other existing observatories. In particular, the principal minimum of the day continues, in equinoctial and summer months, to occur in the early morning hours (2h to 4h) and not near the middle of the day as, for example, at Eskdalemuir. There is, however, at Lerwick a secondary minimum near mid-day.

It is again noticeable that the potential gradient is higher in summer than in winter. During the past three years the records obtained have covered 11 summer months, 9 equinoctial months and 7 winter months. The mean potential gradients in these seasons have been respectively 163, 137 and 126 volts per metre.

The above features are of interest, being different from other records generally in the Northern hemisphere, but the behaviour of the meteorological elements likely to affect potential gradient is also unusual at Lerwick. Thermal convection is at all times small, whilst wind speed is relatively high, and, in particular, much higher in winter than in summer. Thus, turbulence or "Austausch" in the lower layers of the atmosphere is governed, to a greater extent than is usual at other observatories, by wind speed. In the three seasonal groups of months referred to in the last paragraph, the mean wind speeds at Lerwick were 5·1, 6·8, and 8·2 metres per second, respectively. In each of the three years July was the quietest month and also the month of highest potential gradient, the mean values being 3·7 m/s and 207 v/m, respectively. The four stormiest months (all in winter) in these three years had a mean wind speed of 8·9 m/s and a mean potential gradient of 107 v/m.

TERRESTRIAL MAGNETISM.

Notes on the Instruments.

Declination, horizontal and vertical force are recorded by the Adie magnetographs which were in use at Falmouth until 1912. The instruments had been stored for several years, but were reconditioned by the makers, and the declination and horizontal force instruments were tested at Kew before being installed at Lerwick in November, 1922.

The declination magnet has a unifilar suspension, and the torsion correction is negligible. The scale value is constant for all positions of the light dot on the sheet; throughout the year it was 1 mm. of ordinate to 1·93 minutes of arc. In the horizontal force instrument the magnet is maintained in a position approximately perpendicular to the magnetic meridian by torsion of the bifilar suspension. The vertical force balance consists of a single heavy magnet similar to those used for recording declination and horizontal force, and may be compensated for variations of temperature. Copper damping plates are fitted to each instrument and the recording mechanism is similar to that used at Eskdalemuir. The arrangement of the instruments in the magnetograph house is shown in Fig. 2 of the 1923 Year Book.

The chief instrumental defects encountered during the year were :—

(*a*) A slight tendency of the trace in the case of the H force instrument to drift away from its base line; corrosion of the tungsten wire used for the suspension of the magnet caused breakages to occur on 20th April and 19th October.

(*b*) Unsteadiness of the vertical force system. This instrument was adjusted on the following dates: 26th April, 28th May, 20th–24th June, 14th July and 26th August.

These troubles were not entirely overcome during 1927, but on the whole better and more continuous records were obtained than in former years. Also, towards the end of the year 1926, provision had been made for more effective drying of the chamber.

Monthly scale values have been assigned to the records by taking overlapping means except when discontinuities occurred and special measures were required. The determinations are made by Broun's method, the deflecting magnet being placed in the " broadside on " position and at a distance of 55·9 cm. from the recording magnets. A larger deflection distance would render the error due to inequality of the distribution co-efficients for the H, D and V magnets less appreciable, but cannot be used owing to the restricted size of the magnetograph house. The scale value of H was approximately 6·4 γ/mm. in the period preceding 19th October and 5·8 γ/mm. subsequently ; that of V was changed on 26th April from about 7·6 γ/mm. to 9·7 γ/mm.

The records of declination, horizontal force and vertical force have been tabulated hour by hour. The values are read off by means of graduated glass scales, a value being the mean reading for 60 minutes centering at the hour.

Base values for the records are obtained from the results of absolute observations taken twice weekly. Horizontal force and declination are determined with Unifilar No. L 3951 (Cambridge Instrument Co.) using magnets 3951A and 3951C. The magnetometer is used on the centre pillar (No. 2) of the absolute hut, the azimuth of the fixed mark being taken as 8° 43′ 2″ east of south. Inclination is measured with Dover Circle No. 238 placed on the East pillar (No. 3), using 3½ inch needles. In the deflection experiment three distances 25, 30 and 35 cm. are used for obtaining the distribution coefficients, the horizontal force being computed from the deflection at 25 cm. only.

Mean annual values of the P and Q correction have been derived from observations during the period March 1923 to 1927. An accident caused some change to the magnet in March 1923, and values for earlier months have been discarded.

The values during these years are as follows :—

Year.	P.	Q.	$\log_{10}(1+P/25^2+Q/25^4)$.
1923 (March–December) ..	−2·398	−14·36	$\bar{1}$·99831
1924	−1·236	−464·6	$\bar{1}$·99862
1925	−1·165	−875·9	$\bar{1}$·99821
1926	+1·225	−1711·2	$\bar{1}$·99895
1927	+2·229	−2183·8	$\bar{1}$·99912

The mean value of $\log_{10}(1 + P/25^2 + Q/25^4)$ employed in the reduction of all observations for 1927 was the mean of the values derived up to the end of 1926 namely, $\bar{1}$·99852. If the 1927 values are added, the mean for the total available period is raised to $\bar{1}$·99864. The adoption of this latter value would raise all the hourly values, monthly means, etc., as given in the tables, by 2γ in the case of H and 7γ in the case of V.

As stated in the general remarks the walls of the magnetograph chamber are of concrete, 2 feet 6 inches in thickness. The diurnal variation of temperature within the chamber is comparatively small, the ranges of the mean diurnal variation in the various months of 1927 having been as follows :—

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
0·08	0·08	0·08	0·08	0·11	0·11	0·11	0·11	0·08	0·08	0·08	0·06

No correction for this diurnal variation of temperature has been applied to the diurnal inequalities or other data published in this volume. It will be noted, however, from the Tables, that the day to day change of temperature is sometimes considerable. On the average for 1927 it is 0·36*a* ; and there are 17 cases where it reaches or exceeds 1·0*a*. These rapid fluctuations of temperature obviously add

considerably to the problem of satisfactorily determining base line values in the cases of the Horizontal and Vertical Force magnetographs. The temperature coefficient of the former is known with fair accuracy, being taken to be 6·1γ per 1d. In comparing curve readings with the results of absolute observations an allowance on this basis has been made; and conversely in allotting base line values to given days the temperatures in the magnetograph chamber on these days—subject to a smoothing process—have been taken into account. Where resort to a complicated procedure of this sort is necessary, it would obviously be desirable to have absolute observations made more frequently than twice weekly. For another reason, namely that magnetic disturbance at Lerwick is so much more frequent and so much more considerable than at more southerly observatories, it would similarly be desirable to have very frequent absolute observations, with a view to the retention only of those made at times when the autographic records indicate a reasonably constant magnetic field. With the existing staff it has not, however, been possible to contemplate any increase of observing.

In the case of the Vertical Force, the magnetograph appears to be subject to a thermal hysteresis sufficiently large to render ineffectual any method so far tried of making allowance for the fluctuations of temperature in the chamber. It has not therefore been possible to bring into close accord with one another the base line values deduced from individual absolute observations. So long as these conditions exist the hourly values of vertical force must be regarded as of a somewhat lower order of accuracy than might be desirable. The diurnal inequalities are not of course subject to any appreciable uncertainty on this account; the uncertainty only arises where for instance the mean value for a given day or series of days comes to be compared with that for another day or series of days.

Again, owing to the smallness of the chamber, the presence of an observer for a short time, as, for instance, during a scale test, causes an appreciable rise in temperature and this seems to be reflected in the record of vertical force in the form of a fairly rapid rise and afterwards a slow recovery to normal. The effect on the record is so characteristic that an approximation to the undisturbed curve can in general be drawn in with considerable confidence, and this has been done where the duration of the visit of an observer was sufficient to make the magnitude of the effect noticeable. It appears that the presence of an observer even for two or three minutes at the time of changing the charts can at times produce a measurable effect, but it is pretty certain that it is complicated by the existence of a mechanical effect, not definitely determinable. The quiet day inequality of vertical force for March 1927 shows a small irregularity arising from this cause.

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. So far these detailed observations have been mainly non-instrumental and have consisted in noting and making descriptions of the phenomena seen during the display. These 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 1927 is approximately 4·25. A rough comparison of the H, D, and V registrations with component registrations (geographical N and W, and V) as for instance at Eskdalemuir, can then be easily made. The mean value for the day is computed according to the expression :—

$$x = \{\tfrac{1}{2}(x_0 + x_{24}) + x_1 + x_2 + \ldots\ldots\ldots\ldots + x_{23}\}/24.$$

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

In the fourth table for each month are given :—

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

(*b*) The value of ΣR^2 for each day. ΣR^2 is written for $R^2_H + R^2_D + R^2_V$ where R_H, R_D and R_V denote the absolute ranges in force for a calendar day of the components along and perpendicular to the magnetic meridian and of the vertical component, the ranges in declination having been for this purpose converted into units of force of the component perpendicular to the magnetic meridian.

(*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 on the three different types of day are brought together in Table 62, and the values of the non-cyclic change are given in Table 64. The "Average Departures," or mean values of the inequality taken irrespectively of sign throughout the 24 hours, are given in Table 63.

The mean values of the squares of the absolute daily ranges are summarized in Table 65.

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

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

Review of Results.

Mean and Extreme Values of the Magnetic Elements, 1927.—The mean values of the magnetic elements for the years 1926 and 1927 are given in Table I. The values of H, D and V have been computed from the hourly values derived from the autographic records of "all" days, standardized by means of the absolute observations ; those of N, W, I and T have been deduced from the values of H, D and V.

TABLE I.

Year.	H.	D. (West)	I.	N.	W.	V.	T.
	γ	° ′	° ′	γ	γ	γ	γ
1926.. ..	14618	15 2·8	72 37·1	14117	3795	46699	48933
1927.. ..	14607	14 49·9	72 38·1	14120	3739	46713	48944

The decrease in westerly declination from 1926 to 1927 (12′·9) was less than the rates for the three previous years, these having been 13′·8 for 1923–24, 13′·0 for 1924–25, and 14′·9 for 1925–26.

Mean values derived from (*a*) international quiet days and (*b*) international disturbed days, are as follow :—(*a*) H, 14610 γ ; D, 14°50′·0 ; V, 46715 γ ; (*b*) H, 14603 γ ; D, 14°49′·8 ; V, 46721 γ.

The extreme values of H, D and V recorded during 1927 are given in Table II., but these values have been exceeded at times when the light passed beyond the edges of the photographic paper ; this occurred rather frequently, especially in the case of H.

TABLE II.

Element.	Maximum.		Minimum.		Absolute Annual Range.
	Value.	Date, 1927.	Value.	Date, 1927.	
		d. h. m.		d. h. m.	
Horizontal Force...	15090γ	July 22 ... 15 38	<14048γ	March 18... Between 00 00 and 00 09	>1042γ
Declination ...	15° 44′·6	Oct. 23 ... 06 19	<13° 44′·1	Oct. 12... 11 52	>2° 0′·5
Vertical Force ...	47059γ	Oct. 12 ... 12 17	46103γ	July 22... 03 05	956γ

The range of 2° 0′·5 in declination is equivalent to a range of 512 γ in the component of force perpendicular to the magnetic meridian. In the year 1926, much greater ranges were recorded, the extremes in H, D and V, respectively, having been >1561γ, >4° 44′·9 and >2086γ.

Magnetic Character of the Year.—The mean sunspot number has increased in recent years from 5·8 in 1923 to 16·7 in 1924, 44·3 in 1925, 62·4 in 1926 and 67·7 in 1927. Coincident roughly with this increase there was, up to 1926, an increase of magnetic activity, but the year 1927 shows a decrease. Thus the mean absolute daily range of declination rose from 14′·9 in 1923 to 15′·4 in 1924, 18′·1 in 1925 and 25′·0 in 1926, but fell to 20′·0 in 1927. For individual months of 1927 the table below indicates no obvious relationship between the provisional sunspot numbers and the magnetic conditions.

	Jan.	*Feb.*	*Mar.*	*Apr.*	*May*	*June*	*July*	*Aug.*	*Sept.*	*Oct.*	*Nov.*	*Dec.*
Provisional sunspot number	79·1	93·1	68·4	93·1	79·3	60·5	55·4	52·8	67·5	58·0	70·2	35·6
Mean absolute daily range of D	18·5	19·5	26·6	20·9	21·5	16·9	18·3	18·9	20·3	28·3	12·0	17·8
Mean ΣR^2 ($100\gamma^2$) ...	530	396	1346	577	650	221	718	616	294	1279	91	318

The values of mean absolute daily range for the months and seasons of the year 1927 are given in Table III., the ranges of declination in angle having for convenience of comparison been converted to units of force of the component perpendicular to the magnetic meridian. It will be seen that the ranges of H and V are greater than the corresponding Eskdalemuir values, the ratios of the annual mean ranges of Lerwick H to Eskdalemuir N, Lerwick D to Eskdalemuir W, and Lerwick V to Eskdalemuir V being respectively 1·3, 1·0 and 1·8 ; the corresponding 1926 ratios were 1·4, 1·1 and 2·1.

It will further be noted that the seasonal behaviour of the ranges at Lerwick during 1927 again shows greater variation than that at Eskdalemuir ; but both places show less seasonal variation than in 1926, so that the Lerwick variation in 1927 shows some resemblance to the Eskdalemuir variation of 1926.

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

Month.	Mean absolute daily Range. 1927.			Mean daily Range expressed as percentage of Yearly Mean. 1927.		
	H.	D.	V.	H.	D.	V.
	γ	γ	γ	%	%	%
January ...	81	79	65	73	93	78
February ...	89	83	86	80	98	103
March ...	177	113	159	159	133	192
April ...	136	89	97	123	105	117
May ...	145	91	100	131	107	120
June ...	94	72	59	85	85	71
July ...	119	78	65	107	92	78
August ...	120	80	92	108	94	111
September ...	90	86	80	81	101	96
October ...	171	120	122	154	141	147
November ...	40	51	29	36	60	35
December ...	75	75	48	68	88	58
Winter ...	71	72	57	64	85	69
Equinox ...	143	102	115	129	120	139
Summer ...	119	80	79	107	94	95
Year ...	111	85	83	—	—	—

The frequency distribution of absolute daily ranges recorded in 1927 is shown in Table IV. A comparison with the corresponding figures for Eskdalemuir (Table V. on page 153) indicates that ranges in excess of 200γ are much more frequent at Lerwick than at Eskdalemuir, except in the case of D or W ranges of which the frequency distributions at the two places show less divergence.

TABLE IV.—FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

Range.	Number of Cases, 1927.			Percentage Distribution.		
γ	H.	D.	V.	H.	D.	V.
0— 9 ...	0	0	20	0·0	0·0	5·6
10— 19 ...	7	2	46	1·9	0·5	12·8
20— 29 ...	29	25	50	8·0	6·8	13·9
30— 39 ...	37	22	40	10·2	6·0	11·1
40— 49 ...	25	28	36	6·9	7·7	10·0
50— 59 ...	34	54	23	9·4	14·8	6·4
60— 69 ...	31	63	21	8·5	17·3	5·8
70— 79 ...	43	50	3	11·8	13·7	0·8
80— 89 ...	26	18	13	7·2	4·9	3·6
90— 99 ...	27	17	15	7·4	4·7	4·2
100—109 ...	13	15	6	3·6	4·1	1·7
110—119 ...	13	8	7	3·6	2·2	1·9
120—129 ...	11	11	11	3·0	3·0	3·1
130—139 ...	2	11	6	0·6	3·0	1·7
140—149 ...	4	4	4	1·1	1·1	1·1
150—159 ...	7	5	9	1·9	1·4	2·5
160—169 ...	4	5	4	1·1	1·4	1·1
170—179 ...	5	2	7	1·4	0·5	1·9
180—189 ...	3	2	1	0·8	0·5	0·3
190—199 ...	5	4	1	1·4	1·1	0·3
200+ ...	37	19	37	10·1	5·2	10·1
Days omitted	2	0	5	—	—	—

TABLE V.—PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT LERWICK, 1927.

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, 14000 γ; D, 14°, V, 46000 γ.

No.	From	To	Horizontal Force.					Declination.					Vertical Force.				
			Max.	Time.	Min.	Time.	Range.	Max.	Time.	Min.	Time.	Range.	Max.	Time.	Min.	Time.	Range.
	d h m	d h	γ	d h m	γ	d h m	γ	′	d h m	′	d h m	′	γ	d h m	γ	d h m	γ
1*	Jan. 1 8 48	Jan. 2 24	658	1 22 50	570	2 03 20	88	65·2	1 16 20	5·7	1 22 47	59·5	696	1 17 08	617	2 03 48	79
2*	Jan. 3 16 42	Jan. 6 19	702	4 22 52	575	4 21 02	127	65·7	4 23 11	23·9	4 20 28	41·8	745	4 23 21	575	4 20 22	170
3	Jan. 7 8	Jan. 8 6	962	7 17 14	80	7 20 51	882	89·3	7 17 45	8·1	8 00 05	81·2	839	7 16 24	409	7 22 10	430
4*	Jan. 24 3 45	Jan. 27 6	649	24 23 44	547	26 04 11	102	73·1	26 05 33	39·7	26 03 15	33·4	749	26 17 40	587	26 04 22	162
†5*	Feb. 9 16 57	Feb. 10 24	731	9 20 43	212	9 23 55	519	71·6	9 20 17	35·4	9 21 00	36·2	824	9 20 54	479	9 23 50	345
6	Feb. 24 2	Feb. 27 8	681	24 17 04	471	25 03 45	210	74·6	24 14 03	29·1	24 22 45	45·5	799	24 18 10	582	25 03 42	217
7	Feb. 28 12	Mar. 1 24	676	28 19 24	482	1 00 48	194	65·9	1 00 36	32·7	28 22 26	33·2	814	1 17 11	557	1 01 04	257
8	Mar. 8 20	Mar. 10 20	736	9 16 23	332	9 23 30	404	68·3	9 14 42	28·5	9 00 14	39·8	796	9 16 42	309	9 23 42	487
9	Mar. 14 0	Mar. 19 8	1004	16 17 28	< 48	18 00 00 and 00 09	> 956	96·5	18 00 04	26·9	18 00 09	69·6	881	17 18 39	403	17 23 59	478
10	Mar. 20 7	Mar. 21 3	714	20 14 50	536	20 11 40	178	68·9	20 14 39	39·8	20 19 09	29·1	846	20 14 54	642	20 23 12	204
11	Mar. 26 0	Mar. 29 5	748	26 16 26	355	28 00 08	393	82·6	27 19 53	21·0	27 19 20	61·6	850	26 18 08	399	27 23 56	451
12	Apr. 7 8	Apr. 8 20	675	7 17 58	544	8 11 49	131	67·7	7 13 50	37·2	7 20 53	30·5	794	7 18 25	611	8 02 50	183
13*	Apr. 8 23 2	Apr. 10 18	> 979	9 15 13	536	10 10 19	> 443	69·0	9 15 00	40·1	9 08 23	28·9	848	9 17 19	634	10 02 05	214
14	Apr. 11 3	Apr. 12 24	890	11 16 56	438	11 23 18	452	69·4	11 17 26	30·4	11 23 27	39·0	862	11 17 48	557	11 23 36	305
15*	Apr. 13 23 48	Apr. 15 19	> 968	14 14 13	439	15 01 09	> 529	74·3	14 08 50	22·7	14 14 12	51·6	967	14 14 10 to 14 50	691	14 08 28	276
16	Apr. 23 12	Apr. 25 16	698	23 15 34	454	25 01 32	244	67·1	24 21 01	34·1	25 01 10	33·0	792	24 16 23	532	25 00 40	260
17	May 3 3	May 4 5	959	3 16 46	511	3 23 29	448	89·8	3 16 49	21·1	3 23 47	68·7	982	3 16 43	702	3 23 28	280
18	May 4 11	May 6 4	685	5 18 34	320	5 02 23	365	83·6	5 06 23	6·6	5 02 23	77·0	916	5 11 29	471	5 04 44	445
19	May 7 4	May 10 7	> 1071	7 15 07	416	8 01 18	> 655	66·8	9 00 45	33·6	7 22 50	33·2	1049	7 14 33	591	9 01 10	458
20	May 19 5	May 21 6	727	19 16 59	518	20 10 45	209	68·7	20 14 41	38·4	20 02 53	30·3	842	20 15 22	650	21 01 55	192
21*	May 27 4 32	May 29 6	749	28 17 56	558	28 10 42	191	62·2	28 14 45	37·5	27 08 21	24·7	781	28 18 35	664	27 18 03	117
22	June 4 12	June 6 4	689	4 19 53 and 5 17 40	499	6 00 15	190	61·1	5 14 42	28·3	5 23 38	32·8	756	5 06 04	573	6 00 42	183
23	June 10 8	June 12 24	696	10 15 36	536	12 09 26	160	60·5	11 14 19	43·4	12 08 21	17·1	734	12 15 50	634	11 00 55	100
24	June 26 8	June 27 20	736	26 17 28	564	26 22 31	172	64·0	26 15 01	31·3	26 22 10	32·7	845	26 16 10	672	26 22 19	173
25	July 1 7	July 3 2	697	2 19 00	556	1 13 53	141	58·9	30 15 06	40·3	1 07 07	18·6	750	1 13 58	677	2 01 40	73
26*	July 21 21 1	July 23 2	1090	22 15 38	<143	22 02 05 to 03 37 and 05 50 to 06 20	> 947	103·1	22 02 42	−12·6	22 02 49	115·7	883	22 15 38	103	22 03 05	780
27	July 23 10	July 25 8	662	23 18 11	507	23 10 53	155	55·0	23 22 30	39·4	25 07 36	15·6	745	23 11 05	676	23 23 05	69
28	Aug. 1 14	Aug. 3 19	685	1 16 29	484	1 22 38	201	57·8	2 06 29	38·9	1 22 51	18·9	722	1 17 34	568	1 22 42	154
29	Aug. 19 10	Aug. 22 24	737	21 07 56	<172	20 22 30 to 23 54 and 21 00 11 to 03 13	> 565	100·3	20 23 33	−2·4	21 01 35	102·7	906	21 01 34	393	20 23 19	513
30*	Aug. 29 00 03	Aug. 31 6	761	29 18 47	465	30 06 53	296	61·9	29 13 09 and 30 06 04	33·3	29 04 48	28·6	866	29 18 40	616	31 00 23	250
31	Sept. 1 11	Sept. 2 18	820	1 15 22	541	2 11 22	279	57·4	1 12 52	28·1	1 15 21	29·3	857	1 15 19	684	1 22 57	173
32	Sept. 3 10	Sept. 5 22	715	4 16 50	537	4 02 23	178	58·4	4 10 13	27·7	4 18 36	30·7	922	4 16 41	693	4 02 21	229
33*	Sept. 6 16 40	Sept. 11 4	688	6 16 46	530	10 22 11	158	70·7	10 21 53	20·1	9 19 01	50·6	869	9 18 58	600	10 22 08	269
34	Sept. 14 21	Sept. 15 24	673	14 21 28	554	15 10 30	119	57·0	15 13 39	29·8	14 21 59	27·2	743	15 17 50	652	15 01 59	91
35	Sept. 25 0	Sept. 27 2	655	25 19 12	491	26 02 45	164	58·5	26 02 35	24·2	25 22 50	34·3	729	26 18 20	588	26 02 48	141
36	Oct. 2 13	Oct. 3 7	621	2 17 28	445	2 22 31	176	57·6	3 01 15	21·7	2 22 32	35·9	733	2 18 22	551	3 02 14	182
37	Oct. 5 15	Oct. 6 18	699	5 20 46	455	6 02 59	244	57·0	6 03 01	14·4	5 20 47	42·6	721	5 20 39	542	6 03 14	179
38	Oct. 7 2	Oct. 8 16	679	7 14 14	<222	8 00 50 to 01 43	> 457	66·9	8 00 49	10·7	8 01 49	56·2	748	7 14 34	323	8 01 35	425
39*	Oct. 9 20 33	Oct. 11 2	683	10 18 28	487	10 09 11	196	58·7	10 14 59	30·0	10 18 48	28·7	784	10 18 46	649	10 22 32	135
40*	Oct. 12 10 24	Oct. 13 22	> 1084	Between 12 12 07 and 17 14	<107	12 22 40 to 22 44 and 23 30 to 23 56	> 977	74·7	12 16 42	−15·9	12 11 52	90·8	1059	12 12 17	506	12 23 24	553
41*	Oct. 22 6 39	Oct. 24 8	667	22 13 41	<120	23 05 58 to 06 10	> 547	104·6	23 06 19	21·1	22 08 51	83·5	848	22 07 41	366	23 03 09	482
42*	Nov. 18 4 36	Nov. 19 12	668	18 17 17	503	18 22 35 and 19 00 32	165	61·1	18 13 58	10·2	18 22 36	50·9	772	18 17 19	556	19 00 49	216
43*	Dec. 12 19 44	Dec. 14 17	970	13 15 54	380	14 01 48	590	64·0	13 14 21	18·3	13 21 13	45·7	881	13 15 54	631	14 02 09	250
44*	Dec. 17 5 13	Dec. 19 24	622	17 17 54	409	19 01 32	213	62·3	19 06 51	14·5	18 20 32	47·8	882	17 14 10	525	19 01 32	357
45*	Dec. 28 14 36	Dec. 29 18	809	28 19 53	578	29 00 50	231	55·8	28 16 43	13·4	28 20 07	42·4	808	28 19 51	683	28 20 11	125

† Times given are for sudden commencement of large disturbance, there being already some disturbance in progress.

Plate I.

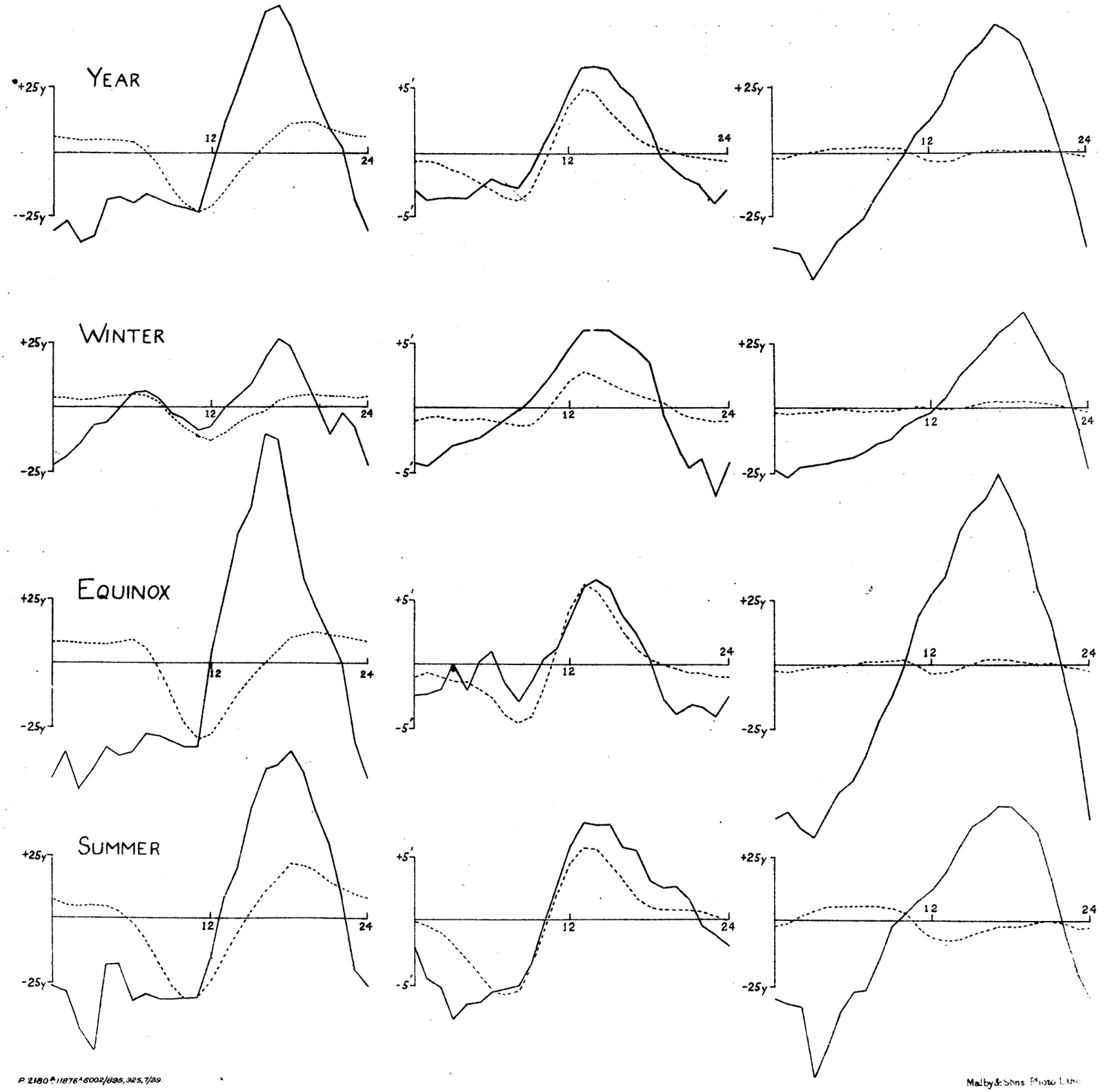
To face page 34

Diurnal Variation of the Magnetic Elements

Lerwick 1927

Quiet Days ..... *Disturbed Days* _____

Horizontal Force	Declination	Vertical Force
Year		
Winter		
Equinox		
Summer		



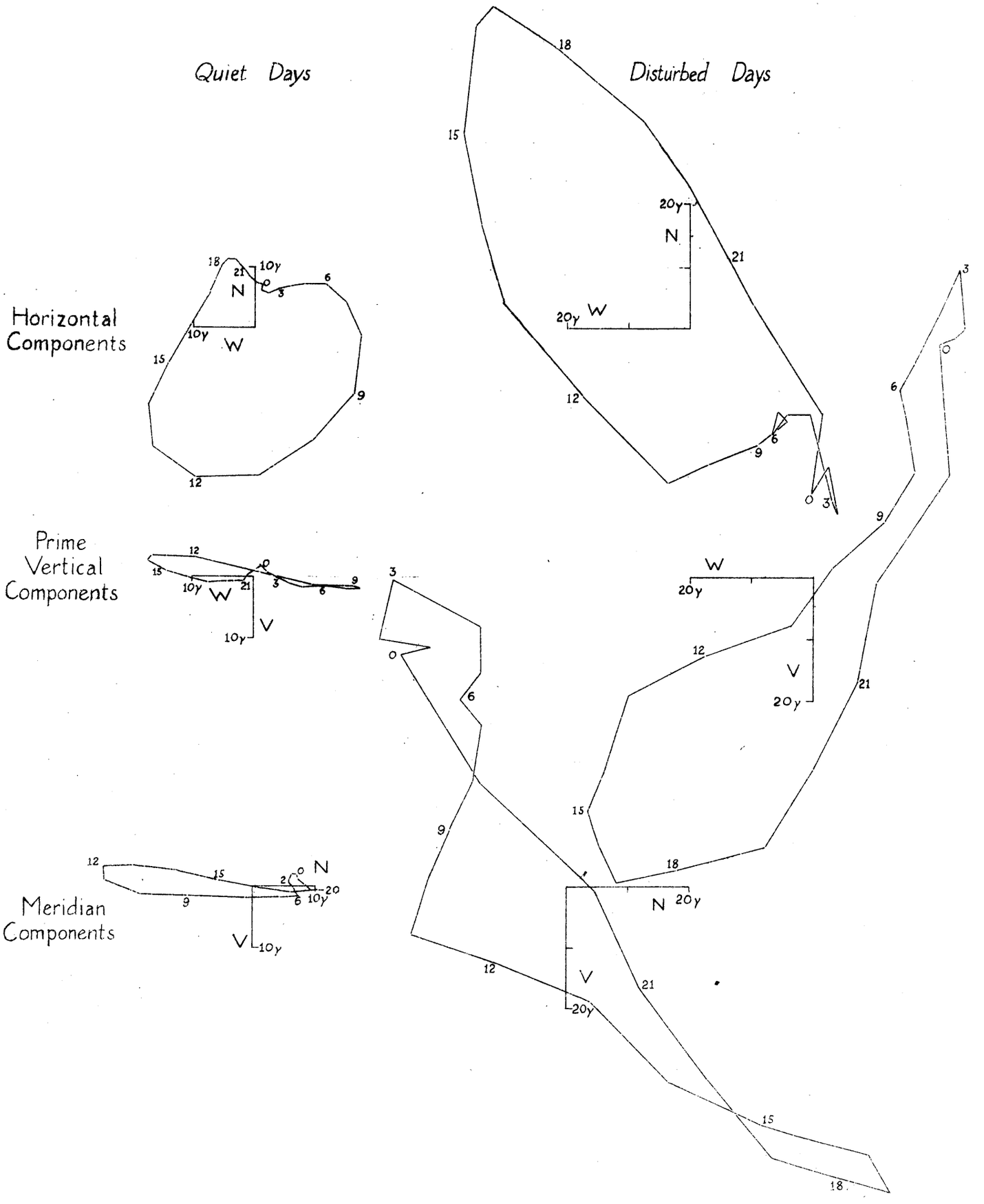
P. 2180 & 11876 & 6002/695, 325, 7/29.

Malby & Sons Photo Lith.

Plate II.

To face page 35.

VECTOR DIAGRAMS ILLUSTRATING DIURNAL VARIATION OF MAGNETIC FORCE LERWICK 1927



P 2180A

Malby & Sons Photo-litho

Diurnal Inequalities.—The ranges of the diurnal inequalities of both Declination and Horizontal Force on international quiet days were greater in 1927 than in 1926 in the Equinox and Summer seasons and for the year as a whole, but less in Winter ; in the case of Vertical Force the ranges were less throughout, except in the months of May, June and November.

On international disturbed days the ranges of Horizontal and Vertical Forces and of Declination were smaller than in 1926 for all seasons, the ranges for the year as a whole being ·47, ·75 and ·69, respectively, of the 1926 values. In August and December the ranges of all three components were greater than in the same months of 1926, but other months were almost consistently quieter.

Considering now the inequalities for all days, the ranges were about the same as in 1926 in the case of H and D, but conspicuously less in every month, and for the seasons and year, in the case of V. Generally speaking, 1927 was characterized at Lerwick by a great quietness of V as compared with 1926.

A comparison of the records of Eskdalemuir and Lerwick shows that the Declination inequalities at the two places for all, quiet and disturbed days are very similar in general appearance, although minor irregularities on the one set of values are not always reproduced on the other, or if so, only with diminished amplitude. Differences are more obvious on the Horizontal Force curves even on quiet days ; and the disturbed day inequalities in H in some months bear little resemblance to one another. In the case of Vertical Force the present year is the second year of observations to be published. In some months the quiet day inequalities are very different from those at Eskdalemuir and it will be seen from the table below that the range of the inequality varies from little more than half the Eskdalemuir range in some summer months to 1·3 times the Eskdalemuir range in January. The seasonal variation of this ratio is, however, less than in 1926. There is another point in which 1927 differs from 1926. At Lerwick, the V oscillation on quiet days is more definitely semi-diurnal than at Eskdalemuir having fairly well marked maxima at about 7h and 18h. In 1927, the morning hump is rather the larger, though in 1926 the afternoon hump was definitely the larger.

Ratio of the Range of the Inequality at Lerwick to that at Eskdalemuir. (1927).

Type of Day.	*Element.*	*Jan.*	*Feb.*	*Mar.*	*Apr.*	*May*	*June*	*July*	*Aug.*	*Sept.*	*Oct.*	*Nov.*	*Dec.*
q	D	·90	·83	·96	·93	1·00	1·07	·91	·93	·93	·94	·81	·92
d	D	1·15	1·26	1·21	·75	1·10	·96	1·17	1·15	1·02	·92	1·27	1·12
q	H	·75	·95	1·17	·95	1·06	1·04	1·15	·95	·83	·94	·83	·79
d	H	4·12	2·55	4·01	1·61	1·75	1·19	1·59	1·98	·99	1·90	·88	1·47
q	V	1·30	·91	·60	·51	·85	1·07	·59	·39	·60	·61	·98	·74
d	V	1·67	2·23	1·85	1·44	1·99	1·59	1·58	1·14	1·92	1·19	2·11	1·63

On Plates I. and II. the diurnal behaviour of magnetic force is illustrated graphically, the representation in the latter plate being in the form of vector diagrams.

Magnetic Disturbances.—Particulars of the principal magnetic disturbances recorded at Lerwick during the year are given in Table V. In the Eskdalemuir Section will be found a similar list which deals with the same disturbances as recorded at that Observatory.

In so far as " sudden commencements " are concerned it has to be remarked that within the limits of accuracy of measurement and registration, these events appear to occur simultaneously at the two Observatories.

Remarks on the Autographic Records, 1927.

January.—(Average Character Figure 0·55.)—Following a "sudden commencement" at 1d 8h 48m there was no appreciable disturbance until 22h 30m, but in the next 17 minutes D fell sharply by 49′·6, afterwards recovering more gradually to within 2′ of its former value by 23h 56m; H and V increased rapidly through 40γ and 6γ, respectively, at 22h 30m. Ranges for the disturbance, which had practically died down by 2d 4h 30m were :—88γ in H, 79γ in V, 59′·5 in D.

Another slight "sudden commencement" occurred at 3d 16h 42m and was followed by moderate disturbance in all elements from about 4d 18h until around midnight; thereafter, there were rapid oscillations, of amplitudes approximately 1′ for D and 5γ in H and V, which persisted nearly until 6d 24h; from 5d 20h until 6d 6h there were also wave-like fluctuations in H and D, of period 20–30 minutes and approximate amplitudes 20γ and 5′, respectively.

The largest disturbance of the month commenced on the 7th. The activity was greatest from 7d 16h until 8d 3h, and finally died down around 8d 9h. A considerable increase in H and V, commencing at 15h 48m, was followed by strong fluctuations, the maximum values recorded being :—H, 14962γ at 17h 14m; D, 15° 29′·3 at 17h 45m; V, 46839γ at 16h 24m. The general decrease set in at 17h 52m on H and 20h 8m on V, minimum values being reached at 20h 51m on H (14080γ), 0h 5m on D (14° 8′·1), and at 22h 10m on V (46409γ); H and V began to return erratically towards normal just before midnight. A very bright display of aurora, observed from Haroldswick, virtually covered this period, namely, 16h 25m to 23h 30m. Particularly violent oscillations occurred in all elements from 7d 20h to 8d 3h, several of the changes in less than 10 minutes exceeding 200γ in H and V and 50′ in D. D remained below normal throughout the storm, and the movements in this element, although considerable, were of smaller relative amplitude than those in H and V.

Slight disturbance on the 11th showed a sharp peak in H at 18h 13m, amounting to 70γ above the undisturbed value, and a similar but smaller peak in V. A bay, 63γ in defect at the centre, occurred on V from 12d 1h 40m to 4h; and at the same time a wave occurred in D with its maximum at 1h 58m some 15′ above the undisturbed value.

Conditions, after persisting slightly disturbed until the 19th, were nearly quiet from 20th to 23rd. Although no deviations could definitely be associated with the earth tremor at 24d 5h 19m, a "sudden commencement" at 3h 45m marked the beginning of violent micro-activity of the type usually attributed to seismic disturbances; these pulsations, with a period of 4–6 minutes, persisted intermittently until the evening of the 26th. Abrupt changes, somewhat similar to sudden commencements, occurred at 13h 46m and 23h 40m on the 24th. The 26th was moderately disturbed and all elements were below normal from 0h to 4h. The daily maximum of D, amounting to 15° 13′·1, occurred at 5h 33m after a steady increase from 14° 41′·4 at 4h 23m.

Slight activity, occurring principally in the hours around midnight, remained in evidence to the 31st.

Aurora was observed from one or more stations in Scotland on the evenings of January 1, 3, 4, 5, 6, 7 (fairly widely), 8, 23, 25, 27, 29, 30 and 31.

February.—(Average Character Figure 0·79.)—A "sudden commencement" occurred at 3d 10h 43m and was followed by little disturbance; a slight displacement in all components around 2h to 3h of 4th appeared to be associated with an auroral arch and streamers observed from Haroldswick. Conditions were comparatively quiet until the evening of the 8th, when disturbance set in with an increase of V

through 96γ, giving a blunted maximum of 46830γ at 20h 33m ; the rate of decrease of V increased around midnight and gave a smooth secondary minimum (46650γ) at 9d 0h 27m. From 8d 23h 30m to 9d 1h 30m D recorded a double oscillation of amplitude +16′ to −10′, simultaneously with a complementary variation in H of amplitude −50γ to +28γ.

A " sudden commencement " at 9d 16h 57m was succeeded by an increase in each component with a rounded maximum in V (46824γ) at 20h 54m, a peaky maximum of D (15° 11′·6) at 20h 17m, and a secondary maximum of H (14695γ) also at 20h 17m ; a temporary fall in H lasting until 20h 28m was followed by rapid recovery and the daily maximum (14731γ) occurred at 20h 43m. The minimum value of D, 14° 35′·4, was recorded at 21h 0m but is not very conspicuous. V decreased irregularly to its minimum (46479γ) at 23h 50m, and minimum H (14212γ) occurred at 23h 55m after decreasing nearly 300γ in 25 minutes. The first stage of recovery was rapid, both for H and V, but ceased during violent oscillations from 10d 0h 20m to 1h 10m ; from 1h 13m to 1h 30m, H increased by a further 150γ, but the return of V to normal was more gradual and lasted until 6h. The highest amplitude of D oscillations after 9d 22h was about 30′. The final phase of disturbance lasted from 10d 6h until 11h and appeared for each element as vigorous oscillations of small amplitude and several minutes period.

During slight activity on the night of 11th—12th a double oscillation, of range 53γ, was recorded by H from 21h 50m to 23h 30m ; similar disturbance on the 12th—13th was followed by pulsatory movements of H and small oscillations on D which developed into waves on the H and V and fluctuations on D. In a bay-shaped movement on H from 14d 0h 55m to 1h 45m, the value at the centre was 48γ below the undisturbed trace. Small waves were recorded each morning from 14th—16th, and on the 16th developed into moderate activity of small range, which, although lessening in intensity, continued intermittently until the 20th.

Rapid pulsations, beginning around 3h on the 24th, preceded recommencement in each component of moderate disturbance, which persisted until the end of the month. From 25d 2h to 6h V recorded a shallow wave on which is superimposed a double oscillation ; a simultaneous oscillation occurred in D, and during the same period H fell to a peaky minimum some 110γ below the undisturbed value. (No D record was obtained from 5h to 10h on the 25th.) Double oscillations occurred in H around 26d 17h 30m and in H and D at 26d 24h.

Aurora was observed from one or more stations in Scotland on the evenings of February 1, 2, 3, 4, 8, 12, 18, 21, 23, 24 (fairly widely), 25 and 26.

March.—(Average Character Figure 0·94.)—Moderate disturbance continued on the 1st and was characterised by a number of irregular double oscillations of which the largest ranges were approximately 20′ in D, 100γ in H and 50γ in V. Slightly lessened activity persisted from the 3rd to the 8th. From 6d 23h to 7d 2h complementary double oscillations of H and D were associated with a shallow bay in V some 75γ in defect at the centre.

The 9th and 10th, although still only of character 1, were more disturbed, absolute daily ranges on the 9th being 39′·8 in D, 404γ in H, and 487γ in V. There is a striking similarity during these two days between the H and V traces and both showed irregular waves in the early morning of the 9th, sharp increase around 16h (9th) to the maxima of 14736γ in H at 16h 23m and 46796γ in V at 16h 42m, a steady diminution until 22h, and then more rapid decrease to the daily minima at 23h 30m on H and 23h 42m on V ; the recovery, although rapid, was divided into two nearly equal stages separated by an interval of about 10 minutes. About three hours later, H decreased rapidly to its minimum value for the 10th (14427γ) at 3h 50m, with a further secondary minimum (14509γ) at 4h 47m. The activity lessened a few hours later but irregular movements continued to be recorded until the 14th. Pulsations early on the 15th were followed by distorted waves on H and D.

The largest storm of the month took place from the 16th to 18th, commencing early on the 16th with small but violent oscillations of all elements; the extreme values recorded were :—H, 15004γ at 16d 17h 28m and <14048γ between midnight and 0h 9m of 18th; D, 15° 36′·5 at 18d 0h 4m and 14° 26′·9 at 18d 0h 9m; V, 46881γ at 17d 18h 39m, and 46403γ at 17d 23h 59m. The H and V curves for the 16th and 17th each showed an increase through the morning and early afternoon to maxima in late afternoon, followed by a more rapid decrease to minima around midnight. The main features of the regular diurnal variation of D can be recognised for each day. Maximum H on the 16th and 17th occurred on the last of three tooth-like peaks projecting some 100γ—300γ above the adjacent trace; simultaneous peaks were recorded in V but are less conspicuous. The H and V minima were much more prominent on the second night, on which the H light dot went off the lower extremity of the sheet from 0h 0m to 0h 9m (18th). Violent oscillations remained in evidence early on the 19th.

Noteworthy changes during the storm include :—

Decrease of 69′·6 in D during	5	minutes	commencing	0h 3m (18th).
Increase of 302γ in H	,, 7	,,	,,	17h 23m (16th).
Decrease of 605γ in H	,, 74	,,	,,	22h 47m (17th).
Increase of 260γ in V	,, 7	,,	,,	23h 57m (17th).

Subsequent moderate disturbance persisted later on the 19th and on the 20th.

Considerable disturbance recommenced shortly after noon on the 26th and continued until the 28th. Double oscillations occurred on all elements around 26d 22h, 27d 15h, and 27d 20h, and violent pulsations were recorded from 28d 0h to 28d 4h. There were peaked maxima of D at 27d 19h 53m, 27d 23h 3m, and 28d 0h 4m, and sharp minima of H at 26d 21h 40m, 27d 19h 55m, and 28d 0h 8m. The activity became less from 28d 7h, and the movements recorded later in the month were comparatively small.

Aurora was observed from one or more stations in Scotland on March, 3, 6, 7, 8, 9 (fairly widely), 11, 12, 16, 17, 20, 26, 27, 28, 30 and 31.

April.—(Average Character Figure 0·67.)—Moderate activity on the 4th and 5th gave blunted maxima of H and V at 4d 19h 28m and 19h 31m, respectively, and, from 19h to 20h 30m, a conspicuous bay shaped movement of D; a rounded secondary maximum of D accompanied the H and V minima which occurred early on the 5th.

Sharp pulsations around 7d 20h 30m were followed by an irregular double oscillation in all elements, approximate amplitudes being: H, −45γ and +15γ; D, +15′ and −7′; V, −20γ and +20γ.

After a "sudden commencement" at 8d 23h 2m, considerable disturbance began near noon on the 9th and continued in evidence until late on the 12th; but no large movements were recorded from 9d 20h to 11d 4h. Maximum D at 9d 15h was followed by a rapid fall of 25′ to a sharp secondary minimum only thirteen minutes later, and then by irregular oscillations of amplitude approximately 4′. The V record was very similar, a peaky secondary maximum at 15h 8m being followed by a sharp secondary minimum at 15h 30m. H increased irregularly from 12h 25m to 14h 45m, then much more rapidly attaining the daily maximum (> 14979γ) at 15h 13m; the extreme value of the movement passed off the edge of the sheet for about two minutes; the subsequent decrease was in two stages, 15h 13m—16h 5m and 17h 20m—18h 30m, separated by a period of irregular oscillations. Moderate movements recommenced on the 11th with a shallow bay in V from 4h to 9h and a secondary minimum of H

at 4h 40m. Small fluctuations were superimposed upon a stunted maximum of V from 11d 15h 40m to 18h and also on the D trace ; H increased considerably from 14h to 15h 20m, fell temporarily through 80γ, rose rapidly to a blunted maximum (14890γ) at 16h 56m, and, finally, decreased rapidly, the undisturbed value being reached by 19h. From 11d 22h 45m to 11d 23h 50m a prominent distorted wave was recorded in D with steep indentations in the H and V curves ; similar but somewhat smaller movements occurred around 12d 3h, and were followed by pulsatory movements in all elements which persisted until late afternoon.

The second large disturbance of the month commenced on the 13th at 23h 48m with a well-marked " sudden commencement " in which H rose 54γ, the corresponding changes in D and V amounting to 8′·9 and 14γ. Strong oscillations commenced shortly after midnight, and becoming particularly violent from 5h to 11h, tend to obscure the characteristics of a sudden temporary diminution in each component at 8h 44m. In the interval 11h 20m to 11h 47m, H rose through 199γ, and, after a further erratic rise on which was superimposed a number of tooth-like projections, reached its maximum (>14968γ) at 14h 13m, the limit of registration again being exceeded for a few minutes. A rapid initial decrease was followed by partial recovery to a secondary maximum at 16h 8m, then by more regular diminution until 18h ; minimum H was eventually reached in a conspicuous indentation between midnight and 2h of 15th, V movements were smaller and the maximum less pronounced. There were double oscillations of D between 14h and 14h 30m, the largest amplitude amounting to 32′·5. Moderate movements, indicative of the later phases of the storm, persisted until about 15d 16h.

The period from the 19th to 22nd was particularly quiet.

Moderate disturbance recurred from the 23rd to 25th, fairly conspicuous features being : —a humped maximum of H near 23d 15h ; irregular waves on D and H, 23d 22h to 24d 0h, and 24d 14h to 25d 1h ; bays on V, 24d 5h to 24d 8h, and 24d 23h to 25d 4h ; from 25d 1h to 25d 2h 10m, a sharp indentation of H in which the lowest value was about 125γ below normal.

No H record is available from 26d 6h to 26d 18h owing to breakage of the suspension.

The degree of disturbance throughout the latter days of the month was only slight.

Aurora was observed from one or more stations in Scotland on the evenings of April 1, 2, 3, 4, 7, 11, 20, 23, 24 and 29 (fairly widely).

May.—(Average Character Figure, 0·87.)—Intermittent disturbance during the first ten days of May reached considerable intensity on the 5th and 7th, the only two days of the month to be awarded the highest character figure.

On the afternoon of the 3rd oscillatory movements were followed by a sharp rise of D through 33′ to a peaky double maximum. H increased by 185γ during the 5 minutes commencing at 16h 40m, and, after attaining the daily maximum (14959γ at 16h 46m) diminished forthwith by 275γ in 13 minutes. All elements were subnormal in moderate disturbance around midnight of 3rd, and D showed a fairly prominent indentation centred at 23h 46m, the value then being 25′ below the undisturbed.

H and V were again below normal in strong disturbance early on the 5th ; D recorded an irregular bay-like movement from 0h 30m to 3h 30m, thence rising to the daily maximum, 15° 23′·6 at 6h 23m. Oscillatory movements and violent fluctuations of all elements from 1h gave place to pulsations around 9h. In the

evening H showed a peaky secondary maximum at 21h 39m followed until 23h by a bay-like movement; and a distorted bay was also recorded on V from 5d 20h to 6d 3h. Aurora was observed from Edinburgh on the evenings of 4th and 5th.

In the storm of the 7th a highly conspicuous rise in H, commencing at 13h 27m, was followed from 15h 0m to 15h 15m by a series of tooth like projections; the mean value of the element during this period was 15051γ. H returned to a more normal value around 18h after a rather erratic fall. V gave a double maximum with peaks at 14h 33m and 15h 49m. Ranges during the period 12h to 18h (7th) :— 20′·3 in D, 475γ in H, and 205γ in V. From 8d 1h 30m to 8d 5h 30m there occurred truncated indentations in H and V and strong fluctuations in each component; succeeding pulsatory movements persisted until 18h.

A well marked double oscillation was described by D from 9d 0h 30m to 1h 30m, sharp indentations of depths 187γ and 193γ being the corresponding features of H and V. In moderate activity during the afternoon of the 9th H attained a fairly prominent but blunted maximum (14780γ at 16h 14m). Disturbance during the periods 13th to 16th, 18th to 25th, and 27th to 30th reached moderate intensity on the 16th, 19th, 20th and 28th, sweeping movements occurring in all components on these dates. Bays were recorded in H and V from 15d 3h to 15d 7h, and pulsatory movements on the 13th-16th, 19th-20th, 27th, and 28th.

The quietest days of the month were the 10th to 12th, 17th, 26th, and 31st.

Aurora was reported in Scotland only on May 1st, 4th, 5th, 8th and 9th.

June. (Average Character Figure, 0·60.)—Although no large disturbance was recorded during the month, there was slight or moderate activity on most days.

Wave-like fluctuations in H occurred during the periods 1d, 17h-21h; 2d, 11h-24h; 4d 11h-5d 2h. Pulsatory movements on the 5th accompanied a bay in H, centred at 6h 5m and with the lowest value 90γ below the undisturbed. All elements were below normal in moderate disturbance from 5d 22h to 6d 3h and distorted double oscillations were recorded in each component from 22h-1h.

The 10th to 12th was a further period of moderate activity, with pulsations in the early morning periods, and, from 10h to 24h, spasmodic waves in each component.

Minor movements were shown from the 14th to 18th and on the 22nd and 23rd.

No satisfactory V record was obtained during adjustments of the instruments from 20d 8h 30m until 24d 11h.

The 26th was the most highly disturbed day of the month. Irregular sweeping movements of H led up to a stunted maximum (14736γ at 17h 28m), but after temporary diminution a sharp secondary maximum was recorded at 20h 50m. There were well marked double oscillations in D, and wave like fluctuations in H and D, from 20h to 23h. V was in defect of the undisturbed value from 26d 21h to 27d 1h. The ranges during the disturbance were comparatively small; 32′·7 in D, 172γ in H, and 173γ in V.

Slight disturbance preceded the solar eclipse of the 29th. No changes could be identified as likely to be due to the eclipse but there were shallow bay shaped movements in each component between 5h and 6h; the maximum deviations centred around 5h 31m and amounted to +1′·2 in D, −3γ in H and +4γ in V.

Pulsatory movements were recorded on the 5th, 12th, 16th, 25th, 26th, and 27th.

The quietest days of the month were the 8th, 19th, 20th, 21st and 24th.

Aurora was reported only on 9th and 29th.

July. (Average Character Figure, 0·65.)—Irregular changes were recorded by H on the 1st, 2nd, and from the 5th, following a slight " sudden commencement " at 0h 50m, to 8th. In this element there was a fairly prominent peak centred at 5d 13h 27m, the value of H at that time being about 40γ above the undisturbed. A small movement, somewhat similar to a " sudden commencement," occurred at 9d 21h 0m ; the initial increase of H and D was followed by shallow bays, negative in D, positive in H.

Conditions were quiet from the 12th to 16th.

In moderate activity on the 17th, bay shaped movements of H from 0h to 2h and from 5h to 8h were accompanied by smooth rounded projections on D. The corresponding features of V were a shallow bay from 0h 30m to 2h 30m and a double oscillation (+10γ to −40γ) from 5h to 9h.

From 19th to 27th there was disturbance of variable character, with the only large disturbance of the month on the 21st-22nd. The storm, which gave traces of a somewhat unusual character, commenced abruptly at 21d 21h 1m and lasted until nearly midnight on the 22nd. In the initial movements H increased rapidly by 83γ and D and V decreased by 4′ and 30γ. The most violent changes occurred from 22d 2h to 6h, but strong oscillations and fluctuations persisted until shortly after 16h. The value of H passed beyond the lower limit of registration (i.e., <14143γ) from 2h 5m to 3h 37m and again from 5h 50m to 6h 20m, but the intermediate value rose to about 14780γ at 4h 46m. V was below normal from 21d 21h to 22d 12h, and showed, from 22d 2h to 5h, a deep assymmetric bay on which was superimposed vigorous oscillations. The return of H and V to more normal values by 9h was followed by a fluctuating rise to simultaneous daily maxima (15090γ for H, 46883γ for V) at 15h 38m ; in each case there was a secondary maximum, only 5γ lower, at 15h 47m. H decreased by 465γ between 15h 47m and 16h 22m, and showed an irregular wave from 17h until nearly midnight. There was a baylike movement of D from 21d 21h to 23h, and a considerable increase commencing at 22d 2h 5m. The daily extremes of D (22nd) occurred at 2h 42m and 2h 49m, the diminution in the intervening 7 minutes amounting to 115′·7. D also showed a fairly prominent truncated peak from 22d 20h 55m to 21h 30m.

Apart from a shallow bay in V from 26d 23h to 27d 2h and slight disturbance on the 30th and 31st, there were no noteworthy movements during the latter part of the month.

The quietest days of the month were the 15th, 16th, 18th and 29th.

Aurora was observed only on the evening of 29th.

August. (Average Character Figure 0·45.)—Activity during the month falls into three periods 1st-5th, 19th-22nd, and 29th-31st, with the only large disturbance in the middle one.

The most noteworthy movements in the first period were :—a sharp indentation of H, centred at 1d 22h 38m and accompanied by a bay in V and oscillations of D ; well marked double oscillations of H in the early morning hours of the 3rd and on the afternoons of the 2nd, 4th and 5th ; waves in D early on the 3rd and on the afternoon of the 5th.

During the generally quiet period, 6th-18th, there occurred peaks in D around 15d 3h and 15d 23h 11m with simultaneous shallow bays of V and irregular movements of H.

Disturbance recurred around 19d 12h with a large baylike movement of H and smaller changes in D and V.

Pulsations and minor fluctuations were succeeded by large movements which set in at 20d 6h 30m and continued until late next day. Further smaller movements persisted throughout the 22nd. From 20d 17h to 20d 19h all elements showed a sequence of serrations the period being 20-25 mins. H was in defect of normal from 20d 19h 15m to 21d 4h 30m, the trace passing off the lower edge of the sheet (H <14172γ) during the greater part of the interval 22h 30m to 3h 13m ; V decreased from 20h, and, apart from a conspicuous peak centring at 1h 34m in which the value rose to 46906γ, remained subnormal until 6h. There were rapid movements in D from 20d 22h 23m to 21d 11h, the amplitudes being greatest in the periods 20d 22h 23m-21d 3h 40m, and 21d 7h 40m-9h 30m. Peaks of D centred at 20d 23h 33m and 21d 2h 22m, the earlier being the higher and rising to about 79′ above the adjacent trace. Strong oscillations also occurred in H and V on 21st from 4h to 17h and from 8h to 9h 30m they were superposed upon a temporary fall in H and D and a corresponding slight increase of V. A rounded maximum of H shortly before 18h was accompanied by complementary double oscillations of D and V. A very bright display of aurora, characterised by curtains, streamers, and pulsations, was observed from 20d 22h 40m to 23h 45m. The variations of azimuth of strongest aurora tended to follow the changes of D.

The third period of disturbance commenced abruptly at 29d 0h 3m, and the early movements were more conspicuous in D than in H. Rounded peaks in D at 29d 3h 20m, 30d 6h 4m, and 30d 23h 53m, were associated with baylike movements of H and V. The changes tended towards slow sweeping movements and were of comparatively small range.

The quietest days of August were the 13th, 26th and 28th.

Aurora was observed from one or more stations in Scotland on the evenings of August 1, 20, 21, 25 and 29.

September. (Average Character Figure 0·57.)

No large disturbance was recorded in September, which was a month of persistent activity of a low order. Thirteen days were awarded character " O " but none were free from slight disturbance. The least disturbed days were the 17th, 19th and 21st-23rd. Pulsations occurred on each day and were generally most conspicuous in H. Disturbance was highest in the periods 6th-11th and 25th-30th.

In moderate activity on the 1st and 3rd-4th, the following movements were associated—peaky maxima of H and V near 1d 15h 20m and lesser peaks around 17h with corresponding sharp indentations in the D trace ; from 1d 21h to 24h double oscillations of D and H and a small bay in V ; slow double oscillations of D and a shallow bay in V from 3d 22h to 4d 5h. Indentations were shown in D around 4d 18h 40m and 21h 30m, the earlier coinciding with a fairly conspicuous diminution of H. Each component recorded, from 5d 8h 40m to 9h 40m, a series of small regular double oscillations of period 6-7 minutes.

Pulsations and small changes early on the 6th preceded a " sudden commencement " at 16h 40m which was particularly well developed in H ; the subsequent disturbance, however, was disappointing, the chief features being stunted peaks in H and V and a baylike formation of D around 7d 20h.

Disturbance reached moderate intensity in the late hours of the 9th and 10th. Movements in the second night were complex, indicating superposition of minor fluctuations and a prominent double oscillation upon a shallow bay in each element ; approximate ranges of the oscillation were D ±20′ ; H ±75γ ; V, ±100γ.

The 13th-15th was a further period of moderate activity with a fairly sharp peak of H at 14d 21h 28m and shallow distorted bays of D and V from 14d 21h 20m to 15d 1h.

A bay of D centred at 25d 19h 10m corresponded with a rounded projection on H and a much smaller hump on V. A number of serrations occurred around 25d 23h. H and V were below their undisturbed values in a moderate movement from 26d 1h to 4h, during which period D executed a fairly prominent double oscillation. Comparatively small waves of H and D recurred intermittently from 26th to 30th, particularly on the evening of the 29th when they were followed by a baylike variation in each component ; on the same evening moderate aurora was noted from 21h 22m until 22h 36m.

Aurora was observed from one or more stations in Scotland on September 7, 8, 9, 14, 20, 21, 22, 25, 26, 27, 28, 29 and 30.

October. (Average Character Figure 0·97.)—Judged by the character figures October was the most highly disturbed month of the year. Few days were really quiet, the least disturbed being the 1st, 4th, 17th, 21st and 31st.

H was below the undisturbed value in moderate disturbance on the night of the 2nd to 3rd, featuring a sharp indentation at 22h 31m, with lowest value 14445γ and succeeded by small rapid oscillations from 1h to 3h ; baylike changes of D centred at 18h 10m, 22h 32m and 2h 35m, with the maximum value for the 3rd interposed between the second and third movements. There were sharp falls in V around 22h 15m and 1h 15m with more gradual recovery.

Following rapid oscillations from 5d 10h, H developed a fairy conspicuous peak at 20h 46m, decreased to a double minimum at 6d 2h 59m, and recovered rapidly shortly after 3h. D was about 35′ below the undisturbed in a prominent indentation around 20h 47m, fell sharply from 23h 10m, and recovered more gradually to a stunted maximum at 3h 1m. V was below the normal during the interval 5d 21h to 6d 5h.

Minor movements on the forenoon of the 7th were followed by considerable disturbance, in which the H trace went off the lower edge of the sheet (i.e., H <14222γ) from 8d 0h 50m to 1h 43m. There were large double oscillations of D from 8d 0h to 2h, the range on one occasion exceeding 50′. Pulsations were severe from 7d 22h to 8d 4h, and persisted with diminishing intensity until 13h.

Small oscillations, which set in late on the 9th, particularly after a " sudden commencement " at 20h 33m, developed into intense agitation on the following day, but the absolute ranges were small. From 10d 2h to 18h there were violent pulsations and fluctuations in each element, particularly in D and H.

An indentation of H centring around 11d 9h—10h, was associated with small, rounded peaks of D and V.

One of the largest storms of the year followed a " sudden commencement " at 12d 10h 24m. The most noteworthy movements all occurred on the first day of disturbance but activity persisted in a lesser degree until the 14th. Large oscillations are shown from 12d 11h to 13d 0h, the ranges frequently exceeding 40′ in D, 225γ in H, 120γ in V.

A sharp fall in H, commencing at 12d 10h 30m, preceded a rapid rise and the trace frequently passed off the top of the sheet (>15084γ) between 12h 7m and 17h 14m; after a very steep fall in the interval 18h 4m to 18h 37m, there was partial recovery for about three hours, then further diminution, the lower limit of registration being passed from 22h 40m to 44m and from 23h 30m to 56m. The recovery began just before midnight and only moderate movements occurred in the earlier hours of the 13th. There was a sharp maximum, 14727γ at 13d 13h 53m, and a secondary maximum, only 11γ below the former, at 15h 42m. D decreased rapidly from 12d 10h 24m, and recovered around 12h 53m. The largest oscillatory movement gave a sharp minimum at 16h 54m, immediately followed by a westerly movement of 69'·7 in 7 minutes. D was low from 19h 30m to 20h 45m and 22h 10m to 23h 25m. V increased from the "sudden commencement"; was temporarily depressed from 12h 40m to 13h, and fell at 15h; there were indentations near 16h, 18h, and 20h, and a large baylike movement from 12d 21h 30m to 13d 1h 30m. The movements of D and V in the later part of the storm were of generally similar character to those of H.

The absolute ranges for the storm were: >977γ in H, 90'·6 in D, 553γ in V.

No H record is available for the period 19d 3h to 21h, owing to breakage of the suspension. D and V each show pulsatory movements from 19d 5h to 14h and a double oscillation from 19h to 21h.

A "sudden commencement" at 22d 6h 39m marked the immediate onset of disturbance, large on 22nd-23rd, which did not subside entirely until the 27th. The largest changes on the 22nd were a fall in H, and rise in D and V, from 7h to 9h, with vigorous oscillations superposed, the latter persisting until 20h. During the early hours of the 23rd, H and V were in defect of normal, D in excess. Moderate aurora was observed locally from 22d 23h to 23d 2h 30m. Rapid oscillations recurred intermittently from 23d 1h to 24d 9h. D recorded a series of prominent peaks at 23d 1h 26m (following a rise of 45' in 4 minutes), 2h 45m, 5h 53m, and 6h 19m; H, a sharp fall around 1h, with a series of deep serrations until 8h, the period between successive minima, being approximately 70 minutes. Minimum H between 5h 58m and 6h 10m, being less than 14120γ, was beyond the range covered by the record. There were moderate wavelike movements of H and D and shallow bays of V later on the 23rd, and at intervals during the next three days.

A smooth rounded bay in D centred at 29d 21h 21m, at which time the value was about 25' below the undisturbed; the corresponding feature of H was a distorted wave, V changes were small.

Double oscillations, most fully developed in D and V, occurred from 30d 2h to 4h.

Aurora was reported from one or more stations in Scotland on the evenings of October 1, 2, 7, 8, 16, 19, 22 and 23.

November.—(Average Character Figure 0·50.)—November was in some respects the quietest month of the year. The earlier part of the month was particularly quiet, the absolute range in the first seventeen days only amounting to 22'·2 in D, 45γ in H, and 79γ in V.

A bay of D around 4d 20h was associated with small fluctuations of H.

An inconspicuous "sudden commencment" was recorded at 8d 5h 25m, but, apart from weak pulsatory movements, there was no ensuing disturbance.

Small waves in D and H on the 12th and 13th were most fully developed around 13d 2h, at which time there was a shallow bay in V.

Pulsations, after a "sudden commencement" at 18d 4h 36m, were followed, from 17h to 19d 1h 30m, by moderate movements. H showed a fairly sharp peak at 17h 17m, and was in defect of normal from 17h 30m to 19d 1h 30m; D was also low throughout this period, the daily minimum of 14° 10'·2 occurring at 22h 36m. The most prominent features of V were a stunted maximum at 18d 17h 19m, and bays around 22h 30m and 19d 1h.

A slight "sudden commencement" at 30d 17h 45m was followed by no conspicuous disturbance.

Small movements, chiefly wavelike, were recorded on the following dates :— 19th–21st, 24th, 26th–27th, and 29th–30th. Aurora was observed on the evening of the 29th.

The 1st, 2nd, 7th, 25th, and 28th, were among the quietest days of the month.

Aurora was reported from one or more stations in Scotland on November 13, 16, 18, 27, 29 and 30.

December.—(Average Character Figure 0·65.)—The degree of activity in December was noticeably higher than in the preceding month, but only one day (13th) qualified for the highest character figure.

Small or moderate movements were recorded in the periods 1d 9h to 3d 1h, 4d 11h to 5d 21h, 6d 5h to 7d 18h, 8d 18h to 9d 23h.

A "sudden commencement" at 12d 19h 44m was followed after an interval of about 12 hours, by the largest disturbance of the month. The activity persisted intermittently until the 19th but was highest on the 13th–14th and 18th–19th. Pulsations, from 13d 8h to 14h were followed by the larger movements of the storm. Prominent peaks of H centred at 15h 54m, 18h 17m, 20h 7m, and 21h 4m, indentations at 13d 22h 44m, 14d 0h 53m, 1h 48m, and 5h 9m. V rose sharply in the interval 13d 14h to 14h 30m, and gave small peaks at 15h 54m and 18h 7m. The largest D movements occurred around 16h, their ranges being approximately 30′. All elements were in defect of the normal from 13d 19h to 14d 5h.

Aurora, of the usual types, was observed locally from 13d 18h 12m to 22h 40m, and became bright at times, the periods of highest activity being 18h 12m to 39m, 20h 0m to 8m, and 20h 25m to 21h 12m ; this aurora was seen from various parts of Scotland between 13d 17h and 14d 3h.

A large bay of D, the lowest value being 14° 16′·0, centred at 15d 18h 15m, the corresponding changes in the other elements being a small hump on V and irregular waves on H. Crests on V were associated with large oscillations of D around 17d 13h–15h and 18h–20h.

Small oscillations from 18d 3h to 16h, were succeeded by moderate movements until 19d 9h. All elements were again below the undisturbed during the greater part of the period and D recorded wavelike movements, the range of individual oscillations being generally about 10′. The range of H movements was very moderate.

A display of weak aurora, showing arch, streamer and curtain formation, occurred from 18d 18h 15m to 23h 45m.

The interval, 20d–27d was comparatively quiet.

A weak "sudden commencement" at 28d 14h 36m gave only moderate disturbance, lasting until 29d 9h ; the only noteworthy changes took place between 28d 19h and 22h. D decreased by 37′·5 in the 4 minutes commencing at 19h 53m, then recovered more slowly. The V and H traces show a deformed wave from 19h to 21h, with large rapid oscillations in H from 19h 50m to 20h 6m, the latter attaining to a peaky maximum at 19h 53m. Aurora on this occasion was widely observed and at times brilliant, between 28d 18h and 29d 2h.

Another "sudden commencement" occurred at 31d 5h 21m.

Aurora was reported from one or more stations in Scotland on December 1, 13 (widely), 14, 15, 16, 17, 18, 19, 22, 23, 24, 27, 28 (brilliant and widely observed), 29 and 30.

POTENTIAL GRADIENT (reduced to level surface) : VOLTS PER METRE.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

1. Lerwick. **1927.**

Day.	January. Factor 1·31				February. Factor 1·32.				March. Factor 1·32.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	271	418	— 359	<-518	151	— 12	120	157	— 38	50	151	186
2	82	—	173	157	143	112	213	131	147	334	178	512
3	130	347	386	230	— 284	— 128	29	154	<-293	181	<-126	148
4	219	*z*+	*z*±	35	105	*z*±	222	131	132	201	— 170	203
5	177	164	184	137	86	104	138	*z*—	299	411	241	<-213
6	88	*z*—	202	190	— 197	105	216	109	<-370	111	114	— 40
7	158	336	288	249	<-537	—	121	124	74	138	99	115
8	—	58	71	112	98	132	222	238	90	133	112	120
9	131	96	200	30	111	222	219	209	*z*±	221	95	<-148:
10	—	—	130	154	81	109	226	399	108	*z*±	115	163
11	98	75	*z*+	95	311	287	366	494	70	81	120	144
12	—	206	177	132	311	491	279	233	— 18	40	92	154
13	— 127	114	66	—180	180	190	395	413	78	61	154	167
14	*z*—	*z*±	171	*z*+	*z*—	134	219	144	50	223	95	154
15	*z*+	99	102	209	145	284	204	179	73	133	181	201
16	127	95	153	127	160	140	232	228	240	330	445	500
17	89	*z*+	337	>691	—	127	145	58	474	414	397	514
18	268	*z*—	135	94	86	111	127	130	348	385	641	62
19	55	101	128	86	60	108	109	215	175	155	132	237
20	*z*—	*z*±	46	187	—16	115	109	143	74	152	— 93	12
21	150	101	210	— 86	73	<-179	249	212	98	121	197	570
22	112	*z*—	26	181	55	<-194	490	<-586	521	503	<-25	145
23	121	143	154	216	35	<-579	232	438	133	336	<-592	99
24	—	—	66	<-593	426	350	330	<-600	— 209	92	197	<+89
25	271	235	393	236	<-572	204	156	242	<+132	<-351	70	56
26	114	217	475	73	183	124	193	467	64	133	— 3	<-377
27	*z*±	105	167	115	66	264	144	<-418	44	<-330	<-480	>329
28	*z*—	148	145	—	— 39	167	225	158	— 49	>299	—	—
29	—	118	150	*z*+	—	—	—	—	—	—	181	199
30	210	98	127	223	—	—	—	—	— 170	204	<-985	121
31	92	204	253	292	—	—	—	—	<-438	132	158	<-317
(*a*)	148	166	183	177	143	185	212	225	165	206	189	213
(*b*)	124	173	232	126	87	150	205	239	129	184	171	241
Mean		(*a*) 169. (*b*) 164.				(*a*) 191. (*b*) 170.				(*a*) 193. (*b*) 181.		

Day.	April. Factor 1·36.				May. Factor 1·43.				June. Factor 1·42.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	124	150	118	>496	106	468	168	256	58	138	166	193
2	165	94	139	233	84	206	144	— 59	— 49	— 771	15	206
3	156	*z*+	207	124	90	318	165	175	107	467	296	461
4	97	68	274	162	16	84	106	112	169	— 117	282	273
5	68	<-655	283	236	— 28	156	144	187	243	—	246	240
6	106	159	142	171	84	162	184	134	141	111	95	— 52
7	115	— 71	80	330	66	106	193	587	114	153	*z*—	153
8	112	150	*z*+	94	303	53	47	159	107	117	95	212
9	— 59	— 230	493	139	87	94	128	122	129	86	— 31	178
10	—	115	127	121	72	53	94	122	181	120	144	— 12
11	— 221	209	109	145	50	53	— 231	—	83	— 86	120	— 12
12	68	130	— 316	112	50	128	115	112	111	153	132	86
13	—	— 322	153	168	84	112	147	144	411	123	101	*z*—
14	168	180	127	97	131	115	137	125	86	*z*—	— 381	193
15	83	83	142	130	87	115	90	— 75	157	144	243	328
16	68	121	121	—	— 140	—	— 37	156	114	135	92	132
17	—	—	177	168	103	144	140	162	— 21	510	783	562
18	130	168	159	147	144	197	*z*—	144	160	304	282	645
19	86	139	— 41	189	262	234	115	122	163	365	316	436
20	— 165	83	142	— 177	90	— 144	<-858	<-1226	160	74	111	123
21	—	115	153	690	103	153	156	— 387	83	—	— 703	—
22	118	147	150	29	115	106	125	147	28	56	84	192
23	91	162	100	230	103	112	103	193	195	118	549	174
24	180	130	136	—	150	150	153	144	164	167	— 25	124
25	94	156	153	189	131	81	112	122	96	68	121	105
26	77	86	236	112	122	103	90	103	99	164	214	205
27	68	>516	—	—	81	56	137	106	115	84	143	189
28	—	97	*z*±	—	103	109	87	122	84	146	273	226
29	—	171	295	174	87	94	115	100	87	257	217	639
30	165	100	—	153	122	243	256	190	236	552	412	397
31	—	—	—	—	119	150	87	103	—	—	—	—
(*a*)	111	147	176	194	108	143	131	160	139	192	225	267
(*b*)	60	98	131	140	105	145	131	123	115	134	209	240
Mean		(*a*) 157. (*b*) 107.				(*a*) 135. (*b*) 126.				(*a*) 206. (*b*) 175.		

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used : z +, Indeterminate, positive value; z—, Indeterminate, negative value; z ±, Indeterminate in magnitude and sign.

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

POTENTIAL GRADIENT (reduced to level surface) : VOLTS PER METRE.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

1. Lerwick. **1927.**

Day.	July. Factor 1 ·36.				August. Factor 1 ·33.				September. Factor 1 ·34.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	299	302	218	120	311	413	371	573	132	98	351	406
2	75	170	155	239	453	140	285	225	170	179	202	294
3	371	332	152	221	160	125	584	242	164	357	412	340
4	475	278	544	451	—	678	1032	838	89	141	236	648
5	147	440	463	389	584	279	—	604	236	204	204	—
6	215	508	371	263	382	140	185	257	—	153	202	219
7	335	428	401	170	197	234	271	342	— 23	202	204	— 55
8	102	200	230	230	276	259	493	576	84	141	107	271
9	218	176	—	227	85	151	356	467	107	132	75	135
10	152	233	182	—	359	214	208	254	101	115	89	141
11	—	—	66	155	88	68	111	108	81	104	89	121
12	—	—	—	—	— 479	— 143	228	160	63	112	141	173
13	—	—	120	140	111	137	105	211	92	109	—	193
14	73	143	117	342	128	151	182	259	112	141	124	225
15	204	199	161	172	105	120	111	205	66	121	124	89
									55	66	37	262
16	166	—	201	164	111	105	123	111				
17	134	85	126	111	117	117	114	143	— 37	104	—	—
18	102	—	172	130	134	162	279	237	*z*—	124	118	138
19	119	155	150	158	94	123	108	148	86	118	115	170
20	144	172	133	94	131	91	131	143	6	109	118	— 12
21	— 36	136	*z*—	114	51	100	165	151	81	124	— 32	204
22	130	249	130	188	125	191	128	282	75	130	181	167
23	89	247	147	280	103	111	125	165	98	52	98	138
24	144	147	163	152	66	125	85	140	81	124	95	233
25	105	119	119	141	68	111	279	299	20	115	118	138
26	72	269	443	476	137	— 137	108	— 57	52	92	153	406
27	449	402	336	296	148	111	125	165	104	127	141	176
28	229	— 67	<—1027	267	85	111	137	182	49	141	— 230	138
29	278	290	151	296	120	254	128	162	95	147	184	179
30	180	389	507	360	117	91	225	265	107	409	118	181
31	403	905	305	696	214	248	356	185	—	—	—	—
(*a*)	200	279	232	243	174	178	238	270	93	143	155	223
(*b*)	207	292	251	266	138	135	211	228	82	144	130	207
Mean	(*a*) 238. (*b*) 254.				(*a*) 215. (*b*) 178.				(*a*) 153. (*b*) 141.			

Day.	October. Factor 1 ·36.				November. Factor 1 ·35.				December. Factor 1 ·31.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	93	*z*+	155	166	94	132	62	6	72	172	115	26
2	120	137	143	96	85	<759	173	109	210	284	396	339
3	213	166	120	143	65	150	147	97	169	138	149	— 121
4	82	91	111	172	59	153	650	129	86	109	109	118
5	91	91	140	470	68	91	165	115	118	75	98	106
6	143	85	178	239	85	91	153	— 103	86	77	123	143
7	298	286	292	680	118	— 44	153	123	103	135	172	112
8	134	505	505	514	141	—	135	218	60	66	86	80
9	172	164	146	231	<112	>764	153	297	52	77	52	126
10	120	219	374	324	>553	182	171	182	100	132	143	141
11	266	458	613	216	229	194	614	235	123	89	11	135
12	149	225	114	353	109	150	118	— 12	72	126	149	121
13	172	239	123	231	135	112	206	221	80	161	181	198
14	120	149	117	175	76	88	109	<121	184	143	132	115
15	76	70	140	41	88	144	121	173	86	201	135	129
16	88	108	— 140	169	135	241	88	150	100	141	201	149
17	120	152	187	137	85	379	232	306	126	143	235	149
18	181	117	161	— 783	144	91	65	138	109	126	261	224
19	91	76	—	315	168	171	62	141	83	121	255	149
20	—	304	274	—	106	244	— 6	179	86	112	138	146
21	82	134	140	166	138	88	21	126	115	195	172	235
22	93	263	213	149	112	50	235	73	66	66	123	152
23	70	82	172	225	88	59	12	— 35	77	57	143	436
24	93	— 32	128	260	309	141	179	115	143	138	187	152
25	73	120	196	228	*z*—	138	241	68	184	103	152	152
26	70	117	— 222	146	85	103	65	9	95	129	103	112
27	99	— 201	— 470	169	200	88	*z*+	362	72	57	132	195
28	137	140	178	82	94	91	226	—	86	109	143	115
29	>739	— 143	169	134	—	—	118	129	72	115	92	155
30	— 99	199	844	423	59	115	118	97	103	52	121	126
31	169	88	111	155	—	—	—	—	115	83	123	201
(*a*)	150	177	224	235	134	163	171	152	104	120	149	158
(*b*)	123	155	171	200	118	136	165	109	104	120	149	149
Mean	(*a*) 197. (*b*) 162.				(*a*) 155. (*b*) 132.				(*a*) 133		(*b*) 131.	

Annual Means ...	(*a*)	139	175	190	210
	(*b*)	116	155	180	189
		(*a*) 179.		(*b*) 160.	

The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used : *z* + Indeterminate, positive value ; *z* — Indeterminate, negative value ; *z* ± Indeterminate in magnitude and sign.
(*a*) Mean from all positive readings. (*b*) Mean of all complete days using both positive and negative readings.

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

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

2. Lerwick. * 0*a* DAYS ONLY. **1927.**

Month and Season.	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.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	— 19	— 15	— 53	— 59	— 60	— 60	— 62	— 60	— 13	— 35	— 20	+ 3	+ 23	+ 38	+ 64	+ 74	+101	+117	+100	+ 81	+ 9	— 28	— 51	— 74	+ 4	3	194
Feb. ...	0	— 11	— 53	— 56	— 55	— 41	— 37	— 2	— 18	— 41	— 29	— 32	— 6	+ 6	+ 11	+ 13	— 6	+ 25	+ 46	+ 75	+ 60	+ 73	+ 56	+ 22	+ 18	5	252
Mar. ...	— 60	— 84	— 37	— 15	+ 36	— 11	+ 8	+ 19	— 20	— 49	— 46	— 24	— 29	— .1	— 3	+ 33	+ 47	+ 98	+115	+ 45	+ 49	+ 8	— 41	— 38	+ 32	3	317
April ...	— 62	—103	— 94	— 50	— 76	— 55	— 54	— 43	— 36	— 34	— 22	— 4	+ 18	+ 49	+ 55	+ 49	+ 34	+ 82	+ 85	+ 76	+ 69	+ 50	+ 33	+ 34	—117	3	149
May ...	— 11	— 16	— 27	— 25	— 29	— 14	— 9	— 7	— 16	— 19	— 19	— 29	— 23	— 3	— 2	+ 1	+ 5	+ 22	+ 57	+ 45	+ 53	+ 30	+ 18	+ 18	+ 90	5	143
June ...	+ 48	— 99	—138	—108	— 47	— 55	+ 59	+ 62	+ 38	+ 20	+ 26	+ 4	— 11	+ 44	+ 6	+ 2	+ 23	+ 5	+ 6	+ 32	+ 45	+ 38	+ 8	— 9	+ 41	5	305
July ...	+ 2	+ 1	— 28	+ 41	+ 43	+ 26	+ 36	+ 12	+ 37	+ 36	+ 20	+ 12	— 18	— 27	— 16	— 22	— 18	— 29	— 42	— 34	— 5	— 5	— 15	— 7	— 9	14	258
Aug. ...	— 25	— 41	— 36	— 42	— 21	+ 29	+ 6	— 19	— 47	— 43	— 42	— 47	— 27	+ 6	+ 24	+ 36	+ 11	+ 11	+ 22	+ 48	+ 51	+ 57	+ 68	+ 21	— 44	17	211
Sept. ...	— 33	— 41	— 47	— 53	— 47	— 15	+ 16	+ 9	— 18	— 38	— 44	— 51	— 48	— 37	— 16	— 10	+ 25	+ 77	+ 73	+130	+111	+ 74	+ 3	— 20	+ 5	5	148
Oct. ...	— 60	— 83	— 94	— 91	— 88	— 82	— 60	— 6	+ 11	— 32	— 39	— 26	— 4	+ 26	+ 41	+ 70	+ 76	+ 93	+101	+116	+ 84	+ 50	+ 6	— 9	— 33	6	260
Nov. ...	— 72	— 77	— 81	— 73	— 59	— 52	— 31	+ 56	+ 81	+ 25	— 23	+ 21	+ 8	+ 9	— 5	+ 96	+ 59	+ 68	+ 71	+ 59	+ 8	— 20	— 16	— 52	+ 55	2	173
Dec. ...	— 39	— 40	— 28	— 32	— 43	— 39	— 31	+ 1	— 14	— 8	+ 18	+ 23	+ 39	+ 33	+ 28	+ 28	+ 8	+ 18	+ 13	+ 47	+ 45	+ 2	+ 1	— 30	+ 3	10	141
Year ...	— 28	— 51	— 60	— 47	— 37	— 31	— 13	+ 2	— 1	— 18	— 18	— 13	— 7	+ 12	+ 16	+ 31	+ 30	+ 49	+ 54	+ 60	+ 55	+ 27	+ 6	— 12	—	—	213
Winter	— 33	— 36	— 54	— 55	— 54	— 48	— 40	— 1	+ 9	— 15	— 13	+ 4	+ 16	+ 21	+ 25	+ 53	+ 41	+ 57	+ 57	+ 65	+ 55	+ 7	— 3	— 33	—	—	190
Equinox	— 54	— 78	— 68	— 52	— 44	— 41	— 23	— 5	— 16	— 38	— 38	— 26	— 16	+ 9	+ 19	+ 35	+ 45	+ 87	+ 93	+ 92	+ 78	+ 45	0	— 8	—	—	219
Summer	+ 3	— 39	— 57	— 33	— 13	— 3	+ 23	+ 12	+ 3	— 1	— 4	— 15	— 20	+ 5	+ 3	+ 4	+ 5	+ 2	+ 11	+ 23	+ 36	+ 30	+ 20	+ 6	—	—	229

3. Lerwick. * 1*a* AND 2*a* DAYS ONLY. **1927.**

Month and Season.	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.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	— 3	+ 33	— 1	— 41	— 63	— 25	— 7	+ 16	+ 27	— 16	+ 12	+ 6	— 51	— 66	+ 17	+ 16	+ 86	+131	+ 66	— 36	— 59	— 19	— 22	— 1	+ 43	3	103
Feb. ...	— 48	+ 50	— 83	—105	— 89	—124	—122	— 52	+ 45	+103	+ 44	+ 66	+ 47	+ 55	+ 7	+ 48	+ 47	+ 82	+ 67	+ 46	— 7	— 56	— 21	— 1	— 13	2	206
Mar. ...	— 14	— 19	— 60	— 74	— 18	— 2	— 3	— 19	— 7	— 11	+ 3	+ 17	— 24	+ 1	— 28	— 14	+ 8	+ 38	+ 58	+ 4	+ 91	+ 78	+ 3	— 8	+ 64	7	143
April ...	— 16	— 27	— 79	— 34	+ 33	+ 32	+ 35	+ 55	+ 88	+ 69	+ 39	+ 32	+ 48	—134	—169	— 18	+ 44	+ 53	+ 76	+ 55	+ 48	— 34	—153	— 43	+ 58	3	79
May ...	— 10	— 25	— 21	— 11	— 5	+ 2	+ 12	+ 15	+ 5	— 2	— 2	0	+ 11	+ 7	+ 21	+ 25	0	+ 14	+ 13	— 29	— 7	— 15	— 1	+ 4	— 52	14	110
June ...	— 82	— 68	— 88	— 51	— 39	— 28	+ 21	+ 49	+ 2	— 15	— 21	— 76	— 23	— 3	+ 45	+ 44	+ 29	+ 64	+ 33	+ 57	+101	+ 59	+ 30	— 40	— 8	8	173
July ...	— 10	— 37	— 56	— 66	— 76	— 62	— 42	— 37	+ 18	+ 28	+ 7	+ 28	— 42	— 16	— 31	— 5	— 4	— 5	+ 18	+ 57	+ 88	+158	+ 85	+ 2	+ 29	3	155
Aug. ...	— 40	— 99	— 66	— 67	— 30	+ 8	— 19	— 40	— 35	— 31	— 29	— 1	— 11	+ 1	+ 29	+ 18	— 9	+ 30	+ 63	+ 74	+108	+104	+ 54	— 12	— 71	6	162
Sept. ...	— 51	— 62	— 56	— 51	— 45	— 32	— 14	— 7	+ 1	— 22	+ 5	+ 1	+ 15	— 3	— 38	+ 14	+ 46	+ 34	+ 69	+ 95	+ 92	+ 42	+ 4	— 37	— 39	9	114
Oct. ...	— 13	— 19	— 38	— 25	— 36	— 46	— 4	— 8	+ 10	+ 7	+ 13	+ 8	+ 10	+ 5	— 15	+ 1	+ 29	+ 9	+ 19	+ 28	+ 23	+ 20	+ 10	+ 13	+ 24	9	159
Nov. ...	+ 14	+ 17	+ 14	— 4	— 8	— 10	+ 6	— 2	+ 7	— 10	— 12	+ 19	+ 27	+ 14	+ 13	— 51	+ 22	+ 18	+ 60	— 8	— 28	— 76	— 27	+ 5	— 3	5	83
Dec. ...	— 11	+ 3	+ 1	— 18	— 27	— 10	— 39	— 16	— 10	— 12	— 31	+ 5	+ 12	+ 11	+ 10	— 4	+ 7	+ 2	+ 31	+ 22	+ 14	+ 32	+ 18	+ 10	— 7	9	93
Year ...	— 24	— 21	— 44	— 46	— 34	— 25	— 15	— 4	+ 13	+ 8	+ 2	+ 9	+ 2	— 11	— 12	+ 6	+ 25	+ 39	+ 48	+ 30	+ 39	+ 24	— 2	— 9	—	—	132
Winter	— 12	+ 26	— 17	— 42	— 47	— 42	— 41	— 13	+ 17	+ 16	+ 3	+ 24	+ 9	+ 3	+ 12	+ 3	+ 41	+ 59	+ 56	+ 6	— 20	— 30	— 13	+ 3	—	—	121
Equinox	— 23	— 32	— 58	— 46	— 17	— 12	+ 3	+ 5	+ 23	+ 11	+ 15	+ 15	+ 12	— 33	— 63	— 4	+ 32	+ 33	+ 55	+ 45	+ 63	+ 27	— 34	— 19	—	—	124
Summer	— 35	— 57	— 58	— 49	— 37	— 20	— 7	— 3	— 3	— 5	— 11	— 12	— 16	— 3	+ 16	+ 21	+ 4	+ 26	+ 32	+ 40	+ 73	+ 77	+ 42	— 11	—	—	150

* NOTE.—For explanation of 0*a*, 1*a* and 2*a* Days, *see* page 49.

ELECTRICAL CHARACTER OF EACH DAY.

4. Lerwick. **1927.**

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2*a*	1*b*	2*a*	1*b*	1*b*	1*a*	0*a*	0*a*	1*b*	2*c*	1*a*	2*b*
2	1*a*	0*a*	1*a*	0*b*	1*c*	2*b*	0*a*	0*a*	1*b*	1*a*	1*b*	0*a*
3	1*b*	2	2*b*	1*c*	1*b*	0*a*	0*a*	0*a*	0*a*	1*b*	1*a*	1*a*
4	1*b*	1*b*	2	0*a*	1*a*	2*b*	0*a*	0*a*	0*a*	0*a*	1*c*	0*a*
5	1*a*	2	1*a*	2*b*	1*a*	1*b*	1*b*	0*a*	0*a*	0*a*	2*b*	1*a*
6	2*a*	1*b*	2	0*a*	0*a*	1*b*	1*b*	0*a*	0*a*	1*a*	1*b*	0*a*
7	1*a*	2*a*	1	2*b*	0*a*	2*c*	0*a*	1*a*	2*b*	0*a*	1*b*	0*a*
8	*	0*a*	0*a*	2*c*	1*a*	1*a*	0*a*	0*a*	1*b*	0*a*	1*c*	1*a*
9	1*b*	1*a*	1*b*	2*c*	1*a*	2*b*	0*a*	1*a*	0*a*	0*a*	1*c*	1*a*
10	*	0*a*	2*c*	*	0*a*	1*b*	0*a*	0*a*	1*a*	1*a*	1*c*	1*a*
11	2	0*a*	1*b*	2*a*	2	1*b*	0*a*	1*a*	0*a*	0*a*	1*c*	1*a*
12	1*a*	0*a*	1*a*	1*a*	*	1*b*	*	2*b*	1*a*	1*a*	1*b*	1*b*
13	2*a*	1*a*	1*a*	2	0*a*	2*b*	*	1*a*	1*b*	1*a*	0*a*	1*b*
14	2*c*	2*a*	1*a*	1*c*	1*a*	2*b*	1*a*	0*a*	0*a*	0*a*	2*b*	1*b*
15	1*b*	1*a*	1*a*	0*b*	2*a*	0*a*	0*a*	0*a*	1*a*	2*a*	1*b*	1*b*
16	1*b*	0*a*	0*a*	1*b*	2*b*	1*a*	0*a*	0*a*	2*b*	1*a*	2*b*	0*a*
17	1*b*	*	0*a*	*	0*a*	1*a*	0*a*	0*a*	*	1*a*	0*a*	0*a*
18	1*b*	1*b*	1	1*b*	1*c*	1*a*	0*a*	0*a*	2*b*	2*b*	1*b*	0*a*
19	0*a*	1	2*b*	1*a*	1*b*	0*a*	0*a*	0*a*	1*a*	2*b*	1*b*	1*b*
20	1*b*	1*b*	2*a*	2*b*	2*c*	1*a*	0*a*	0*a*	1*b*	1*b*	1*b*	1*b*
21	2*b*	1*b*	1*a*	*	2*a*	2	2*b*	0*a*	1*a*	1*b*	1*a*	1*c*
22	2*c*	2*b*	1*b*	2*b*	1*a*	1*a*	0*a*	0*a*	1*a*	1*a*	1*a*	1*a*
23	1*b*	1	1*b*	1*b*	1*b*	2*b*	1*a*	1*a*	2*b*	1*a*	2*a*	0*a*
24	2	2*c*	2*b*	1*b*	1*a*	1*b*	0*a*	1*a*	1*a*	1*b*	1*b*	1*b*
25	0*a*	2	2*b*	0*a*	1*a*	1*a*	1*a*	0*a*	1*a*	1*a*	2*c*	0*a*
26	1*b*	1*b*	2	1*b*	1*b*	0*a*	1*b*	2*b*	1*a*	2*b*	1*a*	0*a*
27	2*b*	2	2*b*	*	1*a*	1*b*	1*a*	1*a*	0*a*	2*b*	1*c*	1*a*
28	1*b*	1*b*	2*b*	*	1*a*	1*b*	2*b*	1*b*	1*a*	1*b*	*	0*a*
29	*	—	1*b*	*	1*a*	0*a*	0*a*	0*a*	1*b*	2*b*	*	0*a*
30	1*a*	—	2*c*	1*b*	1*a*	0*a*	0*a*	0*a*	1*b*	1*b*	0*a*	1*a*
31	0*a*	—	2*c*	—	1*a*	—	0*a*	0*a*	—	0*a*	—	1*b*
Mean	1·21	1·07	1·35	1·13	1·00	1·07	0·38	0·39	0·86	0·97	1·07	0·65
No. of days used	28	27	31	24	30	30	29	31	29	31	28	31

Annual Mean Character Figure 0.92 (349 days). *Defective record.

Explanatory Note.—The electric 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 one or more excursions of limited duration to the negative side of the scale.

2, denotes negative potential extending in the aggregate over 3 hours or more.

" *a*," denotes that within the 25 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 1000 volts was reached in at least one but in fewer than six of the 25 hourly periods referred to above.

" *c*," denotes that a range of 1000 volts or more occurred in at least six of the 25 hourly periods.

TERRESTRIAL MAGNETIC FORCE : HORIZONTAL COMPONENT.

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

5. Lerwick. (H) 14,000 γ (·14 C.G.S. unit) + **January, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	614	612	613	618	609	611	612	612	612	617	616	615	613	606	617	630	617	618	624	623	624	622	616	629	603	616
2	603	600	592	579	591	608	608	607	604	601	601	595	592	596	601	594	606	611	606	611	604	607	608	613	610	602
3	610	609	609	611	611	612	611	610	607	606	601	600	598	601	606	611	613	617	615	613	613	613	610	610	610	609
4 D	610	609	612	607	611	623	614	611	610	607	602	589	587	595	595	601	609	613	614	603	638	594	620	671	620	610
5	620	601	598	598	595	611	615	613	613	611	612	617	611	604	611	622	620	621	615	621	617	617	616	619	615	612
6	615	617	600	606	606	606	606	606	604	602	605	606	600	604	604	598	610	611	616	612	612	611	610	609	606	607
7 D	606	607	607	609	608	609	609	608	606	585	585	569	554	599	591	594	654	835	748	582	327	216	430	411	339	**567**
8	339	455	468	481	576	584	585	584	593	589	588	583	576	579	581	583	584	587	591	595	596	596	593	592	592	**567**
9 Q	592	592	592	595	596	597	598	597	596	594	593	585	585	591	593	594	595	600	601	603	602	601	603	602	608	596
10 Q	608	606	603	603	601	603	605	607	605	604	605	603	599	599	598	600	603	607	608	613	615	618	615	614	616	606
11	616	620	613	611	614	613	614	615	613	615	615	614	609	596	596	601	608	610	625	614	609	609	614	611	609	611
12	609	608	588	602	610	616	609	617	614	603	611	616	611	609	610	604	603	609	609	614	615	620	617	621	608	610
13	608	601	609	603	609	609	614	614	615	605	607	614	616	609	613	596	614	616	617	619	620	620	618	610	608	611
14	608	617	612	610	613	613	611	613	612	611	608	605	600	600	606	610	612	618	605	611	613	617	616	618	609	611
15	609	609	615	614	617	619	621	619	616	613	611	603	601	606	611	600	613	613	617	617	615	609	605	611	613	612
16	613	617	618	615	611	621	621	617	616	612	604	599	601	605	613	610	614	615	614	607	608	614	615	617	614	612
17	614	615	615	617	613	617	620	619	610	612	612	605	594	588	598	604	605	607	601	603	605	609	610	609	609	608
18	609	603	603	609	623	615	620	611	594	595	593	589	588	582	587	595	606	611	613	613	613	613	610	608	606	604
19	606	605	614	612	609	614	615	615	601	598	591	591	580	579	592	604	601	603	594	602	610	609	610	612	610	603
20	610	609	609	609	611	613	614	612	609	603	597	595	596	595	596	608	609	609	609	609	608	612	613	613	612	607
21 Q	612	613	607	609	612	612	614	617	612	607	604	595	595	599	603	603	604	608	608	609	613	613	614	613	612	608
22 Q	612	613	613	613	614	614	615	615	614	611	606	600	597	599	606	608	609	611	611	614	615	616	616	615	614	611
23 Q	614	613	613	614	610	613	615	614	613	609	609	606	599	599	606	608	608	610	613	614	615	616	616	616	616	611
24 D	616	618	617	616	622	627	630	636	633	624	621	609	608	615	623	630	620	628	622	621	617	613	613	612	628	**621**
25 D	628	622	622	628	628	628	629	632	622	608	605	603	604	604	609	611	615	616	615	617	618	604	597	604	598	615
26	598	603	605	601	574	596	590	600	599	600	597	591	590	595	614	619	620	612	612	613	615	619	619	613	604	604
27	604	601	598	601	603	608	610	610	608	604	603	599	596	597	602	605	614	607	604	610	614	615	615	614	613	606
28	613	614	614	614	612	610	613	614	611	611	614	613	607	606	607	609	610	614	615	614	625	612	613	624	619	613
29	619	612	614	614	614	615	615	615	612	610	612	607	602	607	610	608	615	615	607	615	619	619	623	616	614	613
30	614	616	616	617	617	618	619	619	619	613	607	605	607	609	616	618	616	619	611	613	612	618	618	619	611	615
31	611	615	617	615	612	616	622	624	625	617	614	607	604	604	611	613	616	621	622	623	616	617	615	614	613	615
Mean	602	605	604	605	608	612	613	613	610	606	605	601	**597**	599	604	606	611	**619**	616	611	605	600	607	608	602	607

MAGNETIC DECLINATION (WEST).

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

6. Lerwick. (D.) 14° + **January, 1927.**

Hour. G.M.T.	0.	1.	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 D	56·1	54·9	54·5	54·3	56·5	56·3	56·1	55·5	54·7	54·7	56·5	58·2	60·1	60·3	60·5	62·5	64·0	59·9	59·9	57·8	56·7	56·7	54·3	24·6	49·3	55·9
2	49·3	44·9	49·7	54·9	55·7	54·9	56·3	55·9	55·5	55·1	56·1	56·9	58·6	59·2	58·6	55·9	56·5	56·3	56·7	56·3	56·1	53·6	54·5	55·1	54·9	55·2
3	54·9	55·9	56·1	56·3	56·3	56·3	56·1	54·9	54·5	54·5	56·3	57·6	58·4	58·6	58·6	57·8	57·8	57·4	57·0	56·7	56·3	56·3	55·5	54·7	55·5	56·5
4 D	55·5	56·9	54·5	56·5	57·0	54·0	56·1	56·9	55·9	55·1	55·9	58·8	61·5	62·5	63·8	59·4	58·6	58·0	57·8	52·2	41·2	40·6	56·1	60·5	56·3	56·1
5	56·3	55·7	54·9	54·3	57·8	54·9	56·1	54·9	54·7	56·3	57·8	58·6	59·9	58·8	60·3	59·9	59·4	59·4	58·8	57·6	58·6	56·3	54·5	55·5	56·3	57·1
6	56·3	48·6	51·1	51·3	52·4	53·6	55·7	56·1	56·3	56·3	56·7	58·4	58·0	59·8	58·8	58·2	58·2	58·0	57·4	56·7	56·3	55·5	55·7	56·3	56·3	55·9
7 D	56·3	56·7	56·7	56·7	56·7	56·3	56·1	54·9	54·5	56·5	58·8	58·4	61·9	63·6	60·5	64·0	63·4	60·1	63·6	50·3	45·3	43·2	43·0	38·3	24·0	55·0
8	24·0	27·9	40·5	57·8	54·3	56·3	56·3	56·1	55·9	54·7	54·2	54·5	54·9	57·0	58·2	58·2	58·2	58·0	57·2	56·7	56·3	54·7	56·1	56·1	56·3	**53·8**
9 Q	56·3	56·1	56·1	56·3	56·3	56·3	55·9	55·1	54·7	54·5	54·7	56·3	58·0	58·4	58·2	58·2	57·8	58·0	56·7	56·7	55·7	55·7	55·5	54·7	54·3	56·3
10 Q	54·3	54·3	56·3	54·9	54·9	54·7	54·7	54·7	55·3	56·1	55·5	56·9	58·8	59·9	58·6	58·4	58·0	58·2	56·9	56·5	56·5	56·3	55·5	54·9	54·7	56·3
11	54·7	52·0	51·6	52·8	55·1	55·9	56·5	56·7	56·7	54·7	54·5	58·4	60·1	62·1	61·3	58·6	58·6	62·5	60·5	56·9	58·4	56·7	55·9	56·1	56·1	57·0
12	56·1	54·7	63·8	55·5	54·0	54·2	56·3	54·9	54·3	52·8	55·9	56·5	58·6	61·3	62·5	62·6	61·1	60·7	58·4	56·9	56·3	54·7	53·6	49·7	51·3	56·8
13	51·3	50·5	50·5	54·9	56·3	55·3	54·7	54·5	54·2	54·9	54·7	54·7	57·0	60·9	62·1	60·1	59·4	58·4	58·2	56·7	55·5	54·7	54·9	53·0	54·5	55·8
14	54·5	52·6	54·3	54·7	54·5	54·2	54·5	54·7	54·7	54·7	54·3	56·3	57·8	59·4	59·4	58·4	57·8	58·6	56·3	56·9	57·6	55·9	51·1	44·1	54·2	55·3
15	54·2	52·8	55·5	55·1	55·1	55·9	56·1	55·1	54·5	53·0	54·5	56·9	58·8	60·9	61·7	58·6	57·6	58·6	57·4	56·9	56·7	55·9	50·7	54·5	56·9	56·2
16	56·9	56·3	55·5	57·8	60·5	58·2	56·7	54·5	54·2	52·8	54·3	56·7	58·6	60·3	61·9	59·0	58·2	56·9	57·0	56·3	54·3	55·5	54·9	54·7	55·7	56·7
17	55·7	56·1	55·3	55·5	54·7	55·5	55·9	55·7	55·7	54·5	54·9	56·5	60·3	62·1	62·1	58·6	56·9	56·5	55·5	53·2	54·9	54·5	53·6	51·1	54·3	56·0
18	54·3	55·3	59·6	59·6	52·4	55·9	56·3	56·9	58·6	57·2	56·3	56·5	58·8	61·9	60·9	57·6	54·9	56·3	56·5	56·5	56·1	55·9	55·5	52·6	53·2	56·7
19	53·2	56·3	55·9	54·3	55·1	54·7	55·7	55·5	58·2	58·6	58·6	61·5	60·5	59·9	58·4	58·0	56·7	58·0	56·3	56·1	51·6	55·9	56·1	54·5	54·7	56·7
20	54·7	56·3	56·5	56·5	56·5	56·5	56·3	55·5	54·7	54·5	56·1	57·4	59·4	58·8	57·8	56·7	56·7	56·7	56·7	56·5	54·7	55·9	56·3	56·3	56·3	56·5
21 Q	56·3	56·9	56·7	56·3	55·9	56·3	56·3	56·1	55·7	55·7	56·3	56·5	58·6	59·9	59·4	58·2	57·2	56·7	56·7	56·9	56·5	56·3	56·1	56·1	56·3	56·8
22 Q	56·3	56·3	56·5	56·5	56·7	56·7	56·3	56·3	56·3	56·1	56·1	57·4	60·1	60·7	60·5	58·8	58·4	58·4	58·4	58·0	56·7	56·5	56·5	56·3	56·3	57·4
23 Q	56·3	56·3	56·5	56·7	56·3	56·7	55·9	55·7	54·9	55·3	56·5	57·0	58·4	60·5	60·3	58·6	58·2	57·8	57·0	56·9	56·7	56·5	56·5	56·5	56·5	57·0
24 D	56·5	56·5	56·7	56·7	56·7	56·5	55·5	54·9	54·9	54·9	56·5	57·8	59·9	60·5	60·3	60·7	60·5	62·3	62·3	60·3	56·9	54·5	54·5	54·7	58·2	**57·6**
25 D	58·2	55·9	55·7	54·5	54·2	54·7	54·7	54·3	55·5	58·4	58·4	58·4	58·4	60·5	60·5	58·6	58·8	58·2	57·6	56·7	56·5	51·1	50·9	51·5	52·0	56·2
26	52·0	53·0	50·7	41·4	46·6	57·0	70·2	56·5	54·7	54·5	56·3	56·5	57·8	58·4	60·1	60·3	61·7	61·7	58·4	60·5	57·6	57·0	54·2	55·9	56·3	56·5
27	56·3	56·7	54·7	56·3	55·5	54·7	54·5	54·3	54·3	54·3	54·9	56·3	57·4	58·0	58·0	57·6	56·3	55·7	55·5	56·5	56·1	55·5	54·9	54·9	54·9	55·8
28	54·9	54·9	54·7	54·7	54·9	56·5	56·3	54·7	54·2	54·0	54·7	56·5	57·4	58·6	58·4	58·4	58·6	58·4	58·4	57·6	50·7	54·7	54·7	55·3	54·2	55·9
29	54·2	52·8	54·2	54·5	54·5	54·3	54·3	54·2	54·3	54·5	56·5	57·0	58·4	59·6	59·8	58·8	58·8	58·8	54·3	60·1	58·8	56·7	54·9	56·3	55·3	56·3
30	55·3	54·7	54·5	54·5	54·7	54·5	54·3	54·2	54·2	54·5	55·9	56·7	58·4	58·6	56·9	56·9	56·5	56·3	56·3	55·5	55·9	48·6	50·7	50·7	53·0	54·9
31	53·0	54·2	53·2	54·5	53·2	54·5	54·5	54·3	53·6	53·0	54·7	55·9	56·9	58·0	57·8	57·0	56·7	56·7	56·7	56·7	57·2	56·5	55·5	54·5	53·2	55·4
Mean	54·0	53·7	54·6	55·1	55·2	55·6	56·2	55·3	55·2	55·1	55·9	57·2	58·8	**60·0**	59·9	58·9	58·4	58·3	57·7	56·7	55·3	54·5	54·3	**52·9**	53·9	56·2

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

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

7. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **January, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	684	683	681	675	677	677	677	677	684	671	682	674	675	680	680	678	683	690	682	681	679	678	680	667	663	679
2	662	653	652	635	622	644	666	671	673	670	672	672	673	671	668	673	666	662	662	660	664	663	661	659	660	661
3	659	662	663	662	663	662	661	659	658	657	658	660	658	658	662	662	658	655	653	652	652	649	649	649	646	657
4 D	645	640	633	634	626	611	615	613	615	617	622	628	632	639	644	649	651	651	653	675	624	640	660	725	703	640
5	702	670	662	659	656	647	650	649	647	645	647	645	654	662	665	665	665	667	670	679	679	684	684	684	685	664
6	683	684	671	666	669	674	674	673	671	670	672	699	674	674	679	685	681	677	674	674	673	671	670	668	668	674
7 D	667	666	665	667	667	667	668	667	665	668	667	671	682	728	726	705	757	775	721	757	718	572	571	554	491	674
8	490	518	549	571	628	667	680	686	686	683	691	691	690	690	691	690	690	690	690	691	691	693	691	690	689	664
9 Q	688	687	687	688	688	689	691	692	691	689	692	691	690	691	693	694	694	694	696	696	696	698	696	695	689	692
10 Q	688	684	685	687	689	691	692	693	693	693	695	695	695	696	700	702	703	704	705	706	706	706	706	704	701	697
11	700	684	686	688	691	694	697	696	698	697	705	703	703	709	714	715	712	723	766	783	762	751	738	728	718	**715**
12	716	707	674	661	691	695	699	699	700	701	701	699	699	703	703	712	718	714	709	701	695	688	688	670	674	697
13	673	669	660	657	652	653	652	652	650	651	654	651	650	654	657	665	657	650	650	649	649	649	649	654	650	654
14	649	642	638	634	631	630	630	629	630	629	632	632	633	633	632	632	632	631	639	643	639	639	645	652	643	**636**
15	642	637	635	636	636	636	635	637	638	642	643	646	654	653	658	666	660	658	653	653	653	655	658	652	643	647
16	642	640	640	640	641	634	637	642	643	644	648	651	653	654	657	657	655	655	657	665	665	663	661	660	659	651
17	658	656	651	650	649	648	646	645	644	642	645	646	650	652	657	657	661	661	665	665	662	655	649	645	644	654
18	642	643	638	630	627	635	637	637	646	642	651	661	664	667	670	671	679	671	666	663	661	660	661	657	655	654
19	654	652	640	645	654	655	656	656	660	659	663	666	670	676	679	682	682	682	686	684	679	670	667	662	662	666
20	661	661	661	664	664	664	664	663	662	663	666	669	669	672	675	676	675	674	673	672	672	669	668	667	667	668
21 Q	665	663	667	667	670	672	671	668	671	673	675	681	681	679	681	684	686	688	687	688	686	684	683	682	681	677
22 Q	680	680	682	683	685	686	686	686	683	683	687	688	688	687	688	688	690	691	693	693	693	692	691	691	689	687
23 Q	688	687	688	688	691	691	689	690	690	690	693	696	696	694	693	693	694	695	695	696	697	697	696	695	695	693
24 D	693	692	693	693	692	691	691	689	690	692	696	699	696	694	693	695	694	695	711	723	736	734	728	714	691	701
25 D	689	691	695	691	692	692	692	691	698	697	703	703	702	706	716	718	712	712	712	712	714	733	736	730	709	706
26	708	681	671	632	615	629	628	635	686	703	718	719	719	711	708	710	714	726	744	741	739	733	725	711	709	696
27	707	701	700	702	703	705	709	710	711	710	714	717	716	709	701	698	698	705	709	701	699	698	698	697	695	705
28	694	693	691	689	689	685	683	680	685	685	685	686	686	685	685	683	681	678	677	678	677	677	681	676	675	683
29	673	674	675	675	674	672	672	672	673	673	676	681	681	677	675	675	675	672	683	675	683	683	675	672	670	676
30	669	669	668	668	667	665	664	663	661	661	664	668	668	667	668	668	668	668	673	676	675	675	666	660	668	667
31	667	667	667	667	667	670	669	669	670	672	676	680	681	681	681	681	682	682	682	683	687	689	693	695	696	678
Mean	669	666	663	**661**	663	666	667	667	670	670	674	675	677	679	681	682	683	684	685	**688**	684	679	678	676	671	675

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

8. Lerwick. **January, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100 y^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			*a*
1	22 50	658	596	22 30	62	16 20	**65·2**	**5·7**	22 47	59·5	17 08	696	649	22 51	47	701	1	77·6
2	04 37	625	570	03 20	55	13 40	60·1	43·0	01 26	17·1	15 05	674	617	03 48	57	116	1	77·0
3	17 24	624	597	12 03	27	13 13	59·0	54·3	08 50	**4·7**	03 30	663	645	24 00	18	15	0	77·6
4	22 52	702	575	21 02	127	23 11	65·7	23·9	20 28	41·8	23 21	745	575	20 22	170	767	1	77·4
5	14 15	635	586	04 12	49	14 03	62·3	51·1	22 25	11·2	00 04	693	641	04 38 & 09 08	52	74	1	76·1
6	00 50	643	583	02 18	60	13 11	60·3	44·7	00 43	15·6	00 35	692	663	03 16	29	88	1	74·7
7	17 14	**962**	**80**	20 51	**882**	17 45	89·3	10·3	23 15	**79·0**	16 24	**839**	**409**	22 10	**430**	10757	2	74·8
8	08 25	599	305	00 02	294	02 50	62·3	8·1	00 05	54·2	21 15	695	477	00 27	218	1869	2	75·1
9	23 59	616	582	11 40	34	13 16	58·6	53·6	23 57	5·0	20 20	700	685	24 00	15	18	0	76·3
10	20 25	622	593	14 00	29	12 47	60·1	53·8	00 30	6·3	20 12	707	681	00 45	26	22	0	77·1
11	18 14	689	589	14 12	100	18 27	67·5	50·5	01 28	17·0	19 00	802	680	01 19	122	301	1	77·8
12	22 40	644	583	01 42	61	01 58	68·0	44·9	22 37	23·1	15 41	721	640	02 20	81	199	1	78·4
13	20 23	621	584	14 41	37	14 30	62·3	48·8	01 44	13·5	00 01	671	646	21 09	25	52	0	78·0
14	23 01	635	593	18 06	42	17 38	60·1	36·4	22 51	23·7	22 50	657	627	16 32	30	129	1	77·7
15	06 18	623	591	14 42	32	13 36	62·5	48·6	22 04	13·9	14 50	667	633	02 28	34	57	0	77·4
16	18 07	623	598	10 48	25	13 50	62·3	52·6	08 13	9·7	19 30	667	630	04 32	37	37	0	76·6
17	05 51	631	583	13 10	48	12 42	63·0	48·8	22 56	14·2	17 58	670	640	22 36	30	68	1	75·8
18	04 12	626	576	13 28	50	08 29	63·6	50·7	04 02	12·9	15 55	682	626	03 55	56	87	1	75·4
19	23 21	620	572	12 28	48	11 15	64·2	45·5	19 41	18·7	18 30	690	637	01 56	53	114	0	75·1
20	06 35	616	591	11 13	25	13 40	60·5	54·3	19 52	6·2	14 20	681	660	00 06	21	17	0	74·7
21	07 24	619	592	11 27	27	12 32	60·1	55·1	08 00	5·0	16 49	689	659	01 03	30	21	0	74·7
22	19 39	619	594	11 35	25	13 17	61·3	55·1	09 44	6·2	18 54	694	680	00 01	14	15	0	74·9
23	21 49	619	596	12 30	**23**	13 44	60·7	54·5	08 28	6·2	20 30	698	686	02 49	**12**	13	0	75·2
24	23 44	649	594	13 50	55	17 17	63·8	52·8	21 16	11·0	19 52	739	683	13 50	56	84	1	75·3
25	00 48	642	594	22 13	48	13 28	62·3	48·8	21 03	13·5	21 06	741	681	00 01	60	92	1	75·8
26	22 35	640	547	04 11	93	05 33	73·1	39·7	03 15	33·4	17 40	749	587	04 22	162	551	1	76·3
27	15 52	617	593	12 40	24	00 50	59·8	52·4	17 30	7·4	11 0	717	695	23 50	22	20	0	76·6
28	19 46	633	602	13 21	31	12 40	59·0	47·2	19 40	11·8	00 13	694	670	23 33	24	40	0	76·8
29	22 00	630	600	11 56	30	19 51	60·5	50·7	17 45	9·8	17 45	689	669	22 08	20	31	0	76·9
30	22 30	631	603	10 23	28	12 38	61·3	45·1	21 25	16·2	20 43	682	658	22 35	24	61	0	76 9
31	07 35	629	602	12 35	27	13 35	58·2	52·4	01 32	5·8	23 33	698	664	02 38	34	25	0	76·8
Mean	—	643	563	—	81	—	63·1	44·6	—	18·5	—	703	638	—	65	530	0·55	76·3
No. of days used	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* p. 31. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56–61.

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

9. Lerwick. (H.) **February, 1927.**

14,000 γ (·14 C.G.S. unit) +

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	615	618	621	622	625	627	624	623	619	619	618	615	608	599	599	606	611	621	617	604	604	609	612	616	616	615
2	616	611	615	615	615	617	615	614	611	607	606	603	604	601	599	602	608	609	610	608	615	621	621	619	614	611
3	614	617	614	620	620	619	616	614	612	611	613	620	613	610	613	617	622	628	632	633	624	618	617	614	598	618
4	598	599	590	586	611	611	619	615	608	597	598	598	601	604	609	607	608	611	614	618	620	616	612	609	605	607
5	605	598	599	609	613	617	619	618	613	605	599	598	593	592	596	601	611	616	613	612	616	616	616	615	614	608
6 Q	614	615	615	617	615	617	618	615	612	608	605	599	595	599	604	607	610	614	621	625	626	624	624	623	624	614
7 Q	624	622	619	620	620	618	619	617	613	610	605	600	595	596	604	613	618	625	627	629	630	631	631	630	627	617
8	627	626	625	624	625	625	625	624	621	619	615	607	603	612	623	623	625	631	632	632	639	623	623	618	593	**622**
9 D	593	624	614	612	601	620	619	620	613	609	605	600	594	595	605	612	607	636	631	625	649	656	591	532	366	606
10 D	366	485	581	579	590	596	595	593	598	608	598	586	592	599	586	590	598	609	609	611	614	614	612	611	610	**589**
11	610	610	611	611	612	614	613	613	609	609	606	604	598	596	596	602	609	603	602	608	611	612	619	593	598	607
12	598	603	606	606	612	610	613	625	617	613	607	600	593	599	598	604	599	617	614	606	635	605	597	605	604	608
13	604	609	606	612	611	616	615	616	612	609	604	595	572	579	596	610	611	612	615	604	610	616	609	610	623	607
14	623	585	599	603	604	604	613	613	603	601	602	585	597	599	598	599	604	607	607	613	616	615	613	613	612	605
15	612	617	611	616	618	618	617	609	610	611	609	605	605	602	611	618	613	611	618	623	620	623	618	621	620	614
16	620	630	621	616	616	619	619	620	619	607,	601	608	607	607	590	607	615	615	615	620	603	607	625	615	615	613
17	615	609	610	604	615	608	610	607	608	609	609	609	611	597	593	614	616	616	612	622	629	622	622	619	623	612
18	623	620	615	615	619	622	621	623	620	616	607	602	602	598	592	607	611	617	621	615	625	615	618	621	622	614
19	622	620	620	613	609	622	624	625	624	612	606	599	599	599	586	605	603	612	611	617	617	632	615	617	617	613
20	617	618	617	617	616	611	618	620	616	614	605	598	599	607	599	607	607	611	616	618	615	603	609	613	616	611
21 Q	616	615	616	616	625	614	612	617	612	608	601	596	594	597	601	607	613	617	618	619	615	611	614	617	617	611
22 Q	617	622	617	616	619	618	618	617	615	609	600	591	588	593	600	608	611	613	615	617	619	620	619	619	619	612
23 Q	619	619	620	619	619	619	621	616	611	604	595	593	591	596	599	605	611	615	621	622	622	623	623	622	623	613
24 D	623	623	629	626	626	617	622	623.	615	599	610	609	609	584	609	617	621	652	645	627	626	622	630	576	600	618
25 D	600	595	577	550	526	580	583	600	590	586	589	575	579	594	598	605	618	607	609	615	620	600	613	607	584	592
26	584	581	596	600	603	598	604	602	600	596	595	584	584	591	602	610	626	609	614	609	609	610	614	595	607	601
27	607	601	607	602	607	613	614	603	601	596	583	578	577	587	584	601	606	611	616	618	615	615	614	613	611	603
28 D	611	611	612	607	601	601	607	608	602	600	596	588	584	588	589	611	625	632	621	641	625	618	632	609	570	608
Mean†	603	608	611	611	614	615	616	615	612	608	604	599	**597**	597	599	608	612	617	618	618	**620**	618	617	610	602	610

MAGNETIC DECLINATION (WEST).

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

10. Lerwick. (D.) **February, 1927.**

14° +

Hour. G.M.T.	0.	1.	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	53·3	53·7	54·6	54·6	54·4	54·4	54·4	53·3	53·1	53·7	54·4	56·4	58·5	61·8	60·8	60·2	59·9	59·9	60·4	61·2	54·8	54·1	54·4	53·1	50·4	56·2
2	50·4	46·3	52·3	53·7	54·3	54·6	54·6	54·4	54·4	54·4	54·6	56·2	56·4	56·8	56·8	56·8	57·1	57·5	57·5	59·3	56·6	55·8	55·8	55·2	54·8	55·2
3	54·8	53·7	52·7	53·5	54·3	54·1	54·3	54·3	54·4	54·6	55·8	56·4	56·4	56·6	58·1	58·7	58·7	58·5	58·5	59·9	60·6	57·9	50·6	45·0	50·8	55·4
4	50·8	51·2	51·0	43·4	46·5	49·2	50·6	50·8	52·1	54·1	56·4	56·6	56·8	56·6	56·8	56·2	56·8	57·0	57·1	56·8	56·4	56·6	53·1	49·8	53·3	53·5
5	53·3	52·3	44·8	51·2	53·1	52·7	52·9	54·1	54·6	54·6	55·2	57·9	58·7	58·7	60·2	58·9	57·1	56·8	54·6	52·9	55·0	54·8	54·6	53·9	54·1	54·7
6 Q	54·1	54·3	53·7	54·4	54·6	54·6	54·4	54·3	53·1	52·7	54·1	55·0	56·0	56·6	56·8	57·9	56·8	56·8	56·6	56·2	55·4	54·6	54·6	54·6	54·6	55·1
7 Q	54·6	54·8	54·6	54·4	54·3	54·4	54·6	54·4	54·3	54·3	54·8	56·6	58·5	58·7	58·5	58·7	57·9	56·8	56·8	56·8	56·2	55·2	54·8	54·8	54·6	55·8
8	54·6	54·4	54·3	54·3	54·3	54·3	54·6	54·6	54·3	54·3	56·4	56·6	58·5	60·6	62·2	62·0	60·4	59·9	61·4	58·3	58·3	52·3	55·0	52·9	57·0	56 7
9 D	57·1	45·1	48·8	47·2	53·0	47·2	51·3	52·8	54·4	54·7	56·3	59·8	60·7	60·7	60·7	60·7	57·2	57·6	66·1	61·5	66·3	42·4	47·0	49·0	48·6	54·7
10 D	48·6	46·4	52·8	53·2	51·5	54·7	52·6	53·6	58·6	58·6	56·5	56·5	58·6	60·0	59·6	60·1	60·3	58·8	56·5	56·3	56·5	55·1	54·9	54·9	54·9	55·8
11	54·9	54·7	**54·7**	54·5	54·4	54·0	53·4	53·0	52·8	52·8	54·2	55·1	56·7	57·1	57·1	57·4	56·7	58·2	58·0	55·7	56·1	54·9	45·1	49·7	52·8	54·6
12	52·8	53·0	53·0	53·0	52·4	52·6	53·0	53·0	53·0	54·4	55·1	56·9	58·6	60·0	60·1	61·5	60·1	58·6	58·2	55·7	52·8	50·7	54·7	52·4	53·0	55·2
13	53·1	52·7	55·6	55·0	54·6	54·5	54·1	54·1	53·3	53·5	54·8	58·3	60·1	60·6	60·1	54·8	55·4	46·5	52·1	55·4	52·5	55·4	56·4	53·1	51·6	54·8
14	51·6	54·8	53·3	52·5	53·3	54·8	56·6	56·8	54·8	54·1	55·4	56·4	56·8	58·9	59·1	58·7	56·8	54·8	54·5	55·6	56·4	55·8	55·0	53·3	53·9	55·5
15	53·9	54·8	55·0	55·0	54·8	54·8	54·8	55·2	56·6	56·8	58·1	58·3	58·9	60·2	60·6	60·6	57·7	57·0	57·0	56·6	54·8	56·4	56·4	55·2	55·0	56·7
16	55·0	53·3	51·2	52·9	52·9	54·5	54·6	55·0	56·6	57·2	59·1	60·4	62·8	64·3	62·8	58·9	59·3	57·0	56·4	52·5	37·9	50·4	51·8	53·5	54·6	55·4
17	54·6	55·2	53·7	55·6	53·7	54·8	55·8	54·5	54·6	54·8	57·0	58·5	61·2	60·8	60·6	58·9	58·1	57·3	54·5	54·1	52·3	54·8	54·8	53·3	50·8	55·9
18	50·8	53·3	52·3	52·9	53·1	53·9	53·5	53·9	54·1	54·8	56·4	57·0	58·7	60·6	62·4	60·4	60·4	54·8	47·1	55·3	48·7	51·9	54·5	53·9	54·8	54·9
19	54·8	54·8	54·6	55·2	55·8	54·1	52·9	53·3	53·9	55·0	56·8	56·4	58·7	61·0	59·7	58·7	57·3	57·0	53·9	55·0	54·8	48·5	52·9	54·6	54·6	55·4
20	54·6	54·5	54·6	53·9	54·8	55·4	54·8	54·8	55·4	55·2	55·4	56·8	58·5	60·4	60·1	58·7	57·7	56·6	55·2	52·5	48·3	49·6	50·0	53·5	55·0	55·1
21 Q	55·1	54·7	54·7	54·4	53·4	55·3	55·3	54·4	54·2	54·4	54·9	56·5	58·6	58·8	58·6	57·1	57·6	56·5	54·7	55·1	53·8	54·2	54·9	54·9	54·9	55·5
22 Q	54·9	55·1	54·9	52·8	53·0	53·2	53·2	53·0	53·2	53·0	53·0	54·6	56·5	59·0	58·6	57·4	56·7	56·5	56·7	55·7	55·5	54·6	52·4	52·7	54·9	54·8
23 Q	54·9	54·6	54·4	54·2	53·8	53·8	53·0	53·0	53·2	53·0	50·7	56·3	57·3	59·4	59·2	58·8	58·6	58·0	57·4	56·9	56·7	56·3	55·9	55·7	55·5	55·9
24 D	55·5	55·7	54·4	54·9	51·5	49·5	51·9	54·4	54·9	62·3	63·2	62·7	65·0	69·2	73·7	68·4	66·5	66·9	59·2	52·4	52·0	54·7	49·2	39·1	52·6	**57·7**
25 D	52·6	53·4	55·5	58·6	59·2	51·1	*	—	—	—	*	60·3	57·3	58·2	59·4	58·4	58·8	57·4	57·4	58·2	44·1	52·8	52·6	56·3	51·1	*
26	51·1	48·2	49·3	49·9	49·7	48·8	53·2	53·2	51·7	54·0	55·3	56·7	58·0	60·5	60·2	56·5	57·4	50·9	49·2	55·9	56·5	51·1	53·4	50·9	52·2	**53·4**
27	52·2	51·5	51·7	51·5	50·9	50·9	51·3	53·0	54·4	54·7	56·7	57·4	58·6	60·5	59·2	58·6	56·7	54·9	52·0	54·6	54·4	55·5	52·2	51·5	52·6	54·4
28 D	52·6	53·2	53·6	52·2	54·4	52·2	52·6	51·9	52·2	52·0	53·2	55·1	57·4	60·7	60·2	62·5	61·1	63·0	63·2	58·4	47·4	54·7	49·5	39·1	46·6	54·6
Mean†	53·5	52·8	53·0	53·0	53·2	53·2	53·6	53·8	54·2	54·7	55·9	57·1	58·6	60·0	**60·1**	59·2	58·4	57·2	56·5	56·2	54·3	53·6	53·1	**51·8**	53·3	55·3

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

† Mean of 27 days; 25th omitted. * Light failed.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

11. Lerwick. (V) 46,000 γ (·46 C.G.S. unit) + **February, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	700	699	697	695	694	693	694	693	691	686	691	691	693	699	699	700	700	701	710	738	738	728	714	704	692	702
2	690	684	686	687	687	684	683	682	680	677	677	679	681	684	685	687	687	688	690	697	695	688	684	684	687	685
3	685	685	686	685	684	682	682	681	678	675	678	681	681	682	684	689	693	695	695	701	719	757	772	764	740	698
4	738	729	719	671	685	698	698	697	703	708	717	721	724	724	724	725	725	725	725	723	723	724	731	726	723	716
5	721	701	690	707	712	715	714	712	711	706	710	708	709	707	706	712	715	719	729	732	726	721	717	716	716	713
6 Q	714	714	715	716	719	720	719	719	719	716	719	719	719	716	716	720	724	728	728	729	729	730	728	726	722	721
7 Q	720	718	722	725	726	729	729	729	730	729	730	730	730	730	726	730	733	736	733	732	732	730	729	727	727	729
8	725	725	726	727	727	727	729	730	730	730	731	731	731	726	724	724	725	728	736	753	789	807	763	746	703	737
9 D	701	669	695	710	707	698	713	719	725	727	731	734	735	733	731	731	737	737	751	766	771	819	790	736	571	725
10 D	568	627	684	704	733	747	745	743	730	722	740	749	744	743	747	743	741	740	742	733	732	728	728	727	726	726
11	724	723	720	717	715	712	710	709	708	703	708	708	707	705	704	702	702	704	708	708	702	698	691	687	694	707
12	692	693	686	683	687	693	694	692	694	696	700	700	700	703	707	711	715	718	726	745	772	752	693	681	689	705
13	687	681	690	690	698	699	700	701	704	705	713	720	735	737	739	765	766	772	749	758	742	713	720	720	707	721
14	705	687	651	702	714	720	717	718	723	720	723	735	733	735	736	737	742	746	748	743	740	737	737	738	739	725
15	737	727	735	735	733	733	731	732	730	728	733	738	737	738	741	750	768	760	753	750	748	745	745	741	741	740
16	739	735	736	739	741	743	741	739	738	743	751	751	753	760	781	788	772	770	769	775	790	773	740	743	748	**755**
17	746	743	727	743	743	738	738	746	755	753	757	758	758	764	765	767	769	772	768	766	753	742	741	739	722	752
18	720	716	715	723	727	726	724	719	717	712	715	717	711	710	717	717	717	715	717	709	703	692	688	684	680	712
19	678	680	680	679	671	669	671	671	669	667	669	671	669	671	679	685	689	692	697	692	686	672	671	669	671	677
20	668	668	671	671	669	667	660	660	669	659	659	659	657	657	662	659	661	664	657	660	660	654	651	649	651	**661**
21 Q	649	654	657	658	660	663	661	659	666	667	669	669	669	669	669	669	671	669	669	674	675	675	673	670	668	666
22 Q	666	660	660	659	664	666	669	669	671	674	675	676	667	666	667	670	670	671	670	670	667	668	668	667	667	668
23 Q	665	663	663	664	664	663	665	665	668	668	669	671	671	670	672	671	673	675	675	675	675	675	677	677	676	670
24 D	674	675	675	676	675	671	671	671	673	675	672	676	682	690	705	726	752	752	794	779	781	766	749	713	697	708
25 D	695	688	682	641	592	631	659	670	682	696	711	717	723	714	706	705	706	706	706	711	721	725	726	716	674	692
26	672	699	698	693	662	659	677	688	696	697	697	697	692	695	693	701	705	717	718	701	697	701	689	685	632	689
27	630	639	655	663	673	678	678	686	690	691	705	707	707	707	702	703	702	702	703	701	702	704	690	687	693	689
28 D	690	692	692	692	690	688	687	688	691	690	690	688	690	699	707	711	719	737	757	773	770	752	749	703	672	710
Mean†	693	**692**	694	697	699	699	700	701	702	701	705	707	707	708	711	715	718	720	723	725	**727**	724	716	704	695	708

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

12. Lerwick. **February, 1927.**

Day.	Terrestrial Magnetic Elements.																	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	Horizontal Force.					Declination.					Vertical Force.									
	Maximum 14,000 γ +		Minimum 14,000 γ +		Range.	Maximum 14° +		Minimum 14° +		Range.	Maximum 46,000 γ +		Minimum 46,000 γ +		Range.					
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ					*a*
1	23 45	626	593	13 45	33	18 37	63·7	50·6	23 51	13·1	19 28	745	684	09 29	61	79		I		77·0
2	21 42	621	597	00 51	**24**	18 48	60·2	42·9	00 36	17·3	18 50	699	675	09 30	24	66		0		76·8
3	18 25	644	593	23 40	51	20 10	61·4	41·1	23 10	20·3	22 33	787	673	09 20	114	230		I		75·8
4	20 07	623	567	03 01	56	17 10	57·9	39·6	03 16	18·3	00 01	739	655	02 42	84	163		I		76·5
5	06 22	622	589	12 51	33	14 30	60·6	40·7	01 57	19·9	19 10	734	676	01 35	58	117		I		76·8
6	20 00	627	594	12 18	33	15 07	58·1	52·5	09 15	5·6	18 30	731	712	00 20	19	20		0		76·7
7	19 35	632	593	12 22	39	12 28	58·9	53·9	03 33	**5·0**	18 00	736	717	01 00	19	23		0		77·6
8	20 10	652	599	24 00	53	24 00	68·1	50·0	20 40	18·1	20 33	**830**	712	24 00	118	227		I		77·5
9	20 43	**731**	**212**	23 55	**519**	20 17	71·6	35·4	21 00	36·2	20 54	824	**479**	23 50	**345**	4121		2		77·6
10	09 07	622	256	00 01	366	00 07	67·9	37·4	01 28	30·5	05 18	751	577	00 01	174	1811		2		77·7
11	22 10	631	577	23 09	54	17 50	60·3	41·4	22 04	18·9	00 24	725	679	22 20	46	114		I		77·4
12	20 15	668	581	21 52	87	19 40	**62·8**	41·6	21 24	21·2	20 12	791	668	22 24	123	308		I		77·3
13	17 41	637	564	11 42	73	12 12	62·4	35·7	17 11	26·7	17 02	781	675	00 40	106	293		I		76·5
14	06 50	621	551	01 20	70	13 31	60·4	49·6	02 19	10·8	17 31	752	635	01 48	117	207		I		77·1
15	15 41	631	598	12 17	33	14 24	62·8	52·9	01 12	9·9	15 52	772	718	00 59	54	58		0		77·3
16	21 48	640	573	13 57	67	13 40	68·5	31·9	20 10	36·6	20 08	795	721	22 12	74	343		I		77·9
17	20 21	655	583	13 18	72	12 13	62·9	48·5	20 18	14·4	17 10	773	719	01 50	54	118		I		78·7
18	18 16	634	576	13 30	58	13 50	64·3	42·5	19 48	21·8	04 04	729	678	24 00	51	146		I		78·8
19	20 55	644	567	14 20	77	12 58	62·4	45·2	20 45	17·2	18 10	701	663	09 35	38	127		I		78·4
20	18 20	622	595	11 30	27	13 03	61·6	45·2	20 10	16·4	02 20 & 03 12	672	645	22 52	27	64		0		77·8
21	18 35	621	590	12 10	31	12 20	59·6	52·8	04 31	6·8	20 30	676	647	00 01	29	26		0		77·8
22	21 12	624	587	11 35	37	13 20	60·3	52·4	08 55	7·9	10 08	676	645	01 30	31	35		0		77·4
23	21 15	623	586	11 50	37	13 15	60·5	52·6	07 18	7·9	23 55	679	662	02 10	**17**	28		0		77·2
24	17 04	681	538	22 50	143	14 03	**74·6**	**29·1**	22 45	**45·5**	18 10	799	663	09 35	136	762		I		77·4
25	15 45	633	471	03 45	162	03 25	>68·1	<40·5	20 12	>27·6	21 20	729	582	03 42	147	615		I		77·4
26	23 35	650	558	00 30	92	13 48	61·1	37·2	17 28	23·9	17 20	742	618	23 50	124	342		I		77·6
27	05 20	626	570	00 17	56	12 57	60·9	45·7	00 25	15·2	11 30	711	620	00 00	91	156		I		77·4
28	19 24	676	562	23 45	114	17 47	64·6	32·7	22 26	31·9	19 25	813	677	24 00	136	500		I		77·6
Mean.	—	640	551	—	89	—	63·1	43·6	—	19·5	—	746	660	—	86	396		0·79		77·4
No. of Days used.	—	28	28	—	28	—	28	28	—	28	—	28	28	—	28	28		28		28

§ For explanation *see* p. 31. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56–61.

† Mean of 27 days; 25th omitted.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

13. Lerwick. (H) 14,000 γ (·14 C.G.S. unit) + **March, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	571	546	588	583	587	587	606	606	598	599	589	588	586	604	609	603	616	625	617	615	629	639	614	610	613	601
2 Q	613	611	612	613	612	612	612	614	611	610	602	597	594	599	602	608	606	610	616	615	618	619	617	619	619	610
3	619	617	616	615	616	616	615	612	611	603	603	604	605	605	603	609	612	619	622	615	641	610	617	610	611	613
4	611	615	611	616	619	619	619	614	610	604	593	591	590	591	597	609	615	623	628	628	624	626	621	622	621	613
5	621	622	621	619	621	622	622	622	616	609	598	593	596	596	608	615	624	635	635	635	641	613	609	606	622	617
6	622	619	616	615	616	617	616	611	612	607	599	596	596	604	603	615	621	621	624	625	622	621	614	602	583	612
7	583	609	619	615	613	615	622	617	608	605	592	589	593	595	607	617	621	627	624	627	620	607	604	614	617	611
8	617	620	623	615	608	617	620	619	614	607	600	595	594	594	608	621	625	627	630	627	624	629	619	619	596	615
9 D	596	593	600	625	606	568	575	594	600	615	606	595	591	629	625	640	686	675	625	611	607	608	607	495	529	606
10	529	592	572	589	502	549	599	605	607	626	569	557	584	612	610	611	616	601	610	611	612	613	616	615	617	594
11	617	609	581	590	605	610	615	609	605	599	584	564	574	585	589	607	614	616	619	615	614	614	611	619	613	603
12	613	611	607	611	614	617	604	607	614	606	595	579	573	583	596	606	616	611	619	620	620	619	618	619	619	608
13	619	615	624	605	613	623	618	612	591	571	554	554	578	593	594	597	604	604	610	612	614	612	612	611	614	602
14	614	605	615	604	594	604	606	610	602	597	597	586	584	582	598	626	598	612	610	616	619	621	621	622	610	606
15	610	613	610	604	597	603	605	610	604	589	579	578	589	591	597	596	601	628	613	617	615	626	602	579	598	602
16 D	598	610	591	534	553	489	524	560	562	553	558	575	610	623	679	694	761	751	722	620	611	614	529	456	472	596
17 D	472	502	483	513	583	605	605	589	574	567	567	586	582	592	607	620	641	667	765	737	595	514	533	555	238	**581**
18	238	494	612	611	606	607	608	607	592	583	586	581	588	613	611	627	608	618	626	623	609	606	603	611	596	594
19	596	583	605	609	602	606	617	610	607	601	590	587	590	578	591	603	631	642	639	621	623	628	629	640	623	610
20	623	621	621	621	619	621	609	597	598	593	562	546	562	616	662	671	651	613	613	631	628	613	611	591	622	612
21	622	608	617	619	620	620	620	617	618	608	597	589	586	590	603	609	614	615	622	625	629	633	627	627	627	614
22 Q	627	628	623	623	625	627	624	623	621	615	603	591	585	591	597	615	617	623	620	623	631	636	636	629	630	618
23 Q	630	630	627	625	629	634	635	630	622	609	597	591	583	590	592	599	609	625	628	633	634	634	633	632	631	619
24 Q	631	630	630	630	627	627	628	627	619	608	600	589	585	591	601	611	617	619	625	629	628	632	634	635	635	619
25 Q	635	632	630	630	629	630	632	630	622	609	598	589	592	599	608	610	623	634	638	638	642	642	637	636	633	**623**
26	633	627	613	611	620	627	627	623	604	586	587	596	603	603	621	652	698	705	698	666	627	583	551	609	563	622
27 D	563	507	497	601	611	610	613	610	601	593	591	587	580	581	625	683	683	646	628	675	634	619	611	529	453	601
28 D	453	519	421	483	509	559	574	573	607	578	566	581	608	617	628	654	640	633	635	647	627	623	616	612	622	585
29	622	604	618	615	608	608	613	603	595	589	583	588	596	602	607	613	626	621	615	622	638	621	620	615	613	610
30	613	620	615	621	621	623	621	610	602	589	587	594	608	599	601	615	624	634	635	639	630	614	615	615	620	615
31	620	621	616	616	609	612	622	621	610	600	590	583	584	593	602	604	618	619	628	628	635	631	634	636	629	614
Mean.	588	598	598	603	603	606	611	609	605	598	588	**585**	589	598	609	621	630	632	**633**	631	624	617	610	603	590	608

MAGNETIC DECLINATION (WEST).

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

14. Lerwick. (D) 14° + **March, 1927.**

Hour. G.M.T.	0.	1.	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	46·6	51·3	49·7	50·9	43·4	50·3	51·1	51·9	52·4	52·4	54·7	60·7	61·1	64·2	61·3	64·2	63·4	53·4	53·6	54·9	43·4	49·0	51·9	53·0	53·8	53·9
2 Q	53·8	54·6	54·6	53·6	53·4	53·4	54·2	53·2	53·2	53·4	56·3	56·3	58·2	62·3	60·7	57·1	57·1	56·9	55·3	54·6	54·6	54·0	54·0	54·4	54·6	55·4
3	54·6	54·0	54·6	53·0	51·7	51·1	51·1	51·7	52·2	52·6	55·1	57·8	60·0	60·7	59·2	58·8	56·9	55·3	56·7	56·1	46·6	53·0	50·5	50·7	51·5	54·3
4	51·5	53·6	54·7	53·4	52·8	51·5	52·2	52·8	51·7	51·3	53·4	56·5	60·7	60·0	59·0	58·8	57·1	56·9	56·9	56·9	56·5	54·9	53·4	44·1	50·5	54·6
5	50·5	50·9	51·1	51·1	50·3	51·1	51·1	51·1	52·0	52·6	53·4	55·7	60·0	60·0	60·9	59·0	58·6	58·4	58·8	59·8	47·4	45·7	41·4	48·8	48·0	53·3
6	48·0	51·1	52·6	51·5	51·1	51·1	49·7	51·3	51·5	52·6	53·2	55·5	58·6	61·3	61·1	60·7	59·6	58·2	58·0	57·8	55·3	54·6	53·2	55·7	43·4	54·6
7	43·4	48·8	50·3	51·5	53·2	53·0	53·0	53·0	53·0	53·0	53·2	55·5	60·3	59·8	59·2	58·8	57·1	56·3	50·1	51·1	55·7	47·2	49·2	51·1	53·4	53·4
8	53·4	51·3	51·5	52·4	53·4	51·3	51·1	51·1	52·8	52·8	53·4	55·5	59·0	60·3	60·5	59·0	57·1	56·9	56·9	56·7	57·6	55·1	49·2	49·7	34·3	54·1
9 D	34·3	43·4	44·7	45·3	43·2	55·5	58·8	58·8	56·7	54·0	55·9	60·5	60·7	62·7	60·7	64·6	64·6	43·4	53·0	53·0	55·3	51·3	44·9	45·5	51·1	53·3
10	51·1	47·6	52·0	51·3	57·3	58·4	49·9	51·1	51·3	54·0	54·9	58·4	60·9	57·3	58·4	58·6	56·9	54·6	54·2	54·9	54·9	54·9	54·4	53·2	52·6	54·6
11	52·6	52·0	56·9	53·2	49·5	50·1	49·9	51·1	53·2	54·6	54·4	57·1	60·7	62·5	62·5	59·8	56·7	54·0	54·9	54·2	52·8	49·0	48·2	51·5	52·0	54·2
12	52·0	54·9	54·9	53·8	51·5	51·3	55·1	56·5	53·4	51·3	54·0	58·4	59·4	60·0	60·0	58·8	57·6	55·1	54·9	54·9	54·7	54·4	52·6	52·2	53·2	55·1
13	53·2	53·4	54·9	49·2	50·7	47·6	52·6	52·0	53·6	52·2	54·7	58·8	58·8	59·2	59·2	58·8	55·7	54·9	54·6	54·7	54·7	54·6	53·0	53·0	52·2	54·3
14	52·2	47·6	47·6	43·7	43·7	49·2	54·6	51·1	51·3	51·5	53·8	56·1	58·8	59·2	60·7	60·9	59·2	56·9	54·9	54·9	54·9	54·9	54·7	54·6	54·4	53·7
15	54·4	54·0	45·7	51·5	56·1	54·9	52·6	51·7	52·4	53·2	57·8	59·4	62·7	63·4	62·7	59·6	55·3	54·6	51·7	47·2	53·0	45·7	43·7	44·1	48·4	53·5
16 D	48·5	53·9	54·3	58·7	51·2	69·9	50·2	49·4	52·1	60·6	56·8	60·1	62·2	64·7	64·9	61·0	59·5	53·5	44·4	53·5	52·3	45·4	46·9	41·0	47·7	54·8
17 D	47·7	46·4	54·7	50·2	51·4	51·2	51·2	51·2	54·5	53·1	53·5	56·6	60·3	63·0	**62·6**	63·0	60·8	59·3	56·2	40·8	47·1	41·5	48·3	39·6	47·5	52·7
18	47·5	43·5	49·3	51·0	51·0	51·4	51·2	50·2	49·6	51·2	53·5	58·9	60·6	61·6	62·4	59·3	57·0	53·5	51·2	57·5	50·2	53·1	53·9	56·2	58·9	53·8
19	58·9	57·5	52·7	51·4	51·2	53·3	52·7	51·2	49·3	49·4	51·2	54·8	59·1	61·2	62·2	61·8	60·6	57·3	52·7	54·3	55·2	53·3	52·9	52·1	52·7	54·7
20	52·7	52·7	53·3	52·7	53·1	51·2	52·7	55·2	52·1	59·4	53·7	58·9	61·8	64·7	66·2	61·4	55·0	57·0	55·2	45·2	49·3	51·0	56·8	53·1	47·3	55·1
21	47·4	52·1	53·0	53·2	51·9	52·2	52·2	52·1	51·3	51·5	53·2	55·1	58·2	59·6	60·2	59·0	57·1	55·1	53·2	52·8	53·2	51·3	52·4	53·6	53·2	53·9
22 Q	53·2	53·4	53·2	52·8	52·2	51·5	52·2	51·3	49·4	49·4	51·5	55·1	59·2	62·5	61·9	60·5	57·1	55·1	53·2	53·2	53·6	51·5	51·3	52·6	53·0	54·0
23 Q	53·0	53·2	53·4	54·2	53·6	52·1	50·9	49·4	48·4	48·4	50·7	55·5	60·2	62·7	61·3	60·5	57·1	55·5	55·1	54·4	54·0	53·4	53·4	53·2	53·4	54·3
24 Q	53·5	53·5	53·3	53·3	53·1	52·5	51·4	50·0	49·5	49·5	51·6	55·2	57·7	59·5	60·1	59·1	57·4	55·4	54·3	53·5	53·3	53·5	53·5	53·1	52·5	54·0
25 Q	52·5	52·9	53·1	53·1	52·2	51·6	51·4	49·8	49·5	49·5	51·6	54·1	58·3	61·8	62·8	61·0	58·1	57·2	56·4	55·2	55·0	55·0	54·7	53·7	52·7	54·6
26	52·7	47·9	59·1	53·7	50·2	51·2	59·8	48·5	51·6	57·6	60·3	57·9	62·2	66·6	65·3	64·9	62·6	61·2	63·0	57·6	51·2	51·2	45·8	46·6	45·8	**56·1**
27 D	45·9	39·9	35·8	42·8	49·4	49·7	49·2	48·8	49·9	50·9	55·1	58·4	62·1	63·1	63·8	60·9	60·4	63·4	59·6	45·7	47·0	54·8	52·6	51·9	47·6	52·6
28 D	47·6	50·9	55·3	50·7	34·7	56·1	56·3	57·3	54·4	55·7	58·8	61·5	66·0	63·3	59·6	61·1	57·3	57·1	55·3	52·3	55·1	56·5	56·3	56·3	53·4	55·8
29	53·4	47·4	49·6	51·7	50·7	51·3	51·5	51·5	51·7	52·3	54·6	57·3	59·6	60·9	58·8	57·3	56·5	55·7	55·3	55·7	52·1	52·8	53·4	53·4	55·5	54·0
30	55·6	48·9	46·2	46·4	47·9	47·7	47·9	47·7	47·7	49·3	53·5	56·4	60·3	60·7	59·5	57·8	55·8	53·9	54·9	55·1	49·3	49·7	49·8	52·5	53·5	**52·2**
31	53·5	51·8	48·9	49·7	50·6	53·1	48·9	47·9	47·3	48·1	52·0	56·4	60·5	63·0	63·0	61·0	59·1	57·6	55·4	52·9	48·1	53·1	51·4	53·5	54·3	53·6
Mean.	50·8	50·8	51·7	51·3	**50·5**	52·5	52·1	51·6	51·6	52·5	54·1	57·3	60·3	**61·7**	61·3	60·2	58·2	55·9	54·8	53·6	52·4	51·8	51·2	51·1	51·1	54·1

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

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

15. Lerwick. (V) 46,000 γ (·46 C.G.S. unit) + **March, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	692	589	644	652	648	670	654	664	692	703	709	715	716	725	760	748	743	778	745	736	730	694	681	699	707	700
2 Q	707	711	712	711	711	710	706	705	704	706	717	719	719	724	734	743	740	727	719	718	717	717	714	715	715	717
3	715	711	710	710	709	706	703	697	699	699	699	697	696	698	699	702	710	718	719	719	708	691	693	691	685	703
4	685	681	685	689	690	689	687	682	681	677	678	675	672	668	667	666	666	666	668	667	670	670	665	656	655	674
5	655	650	653	656	655	654	649	649	649	647	648	646	643	645	645	645	649	651	653	657	686	675	663	655	650	653
6	650	648	655	664	667	666	665	665	662	661	665	663	663	663	669	676	685	696	696	706	718	702	682	663	596	671
7	596	590	628	650	658	660	663	666	670	671	671	669	666	665	662	664	666	674	686	681	687	702	688	673	675	664
8	675	665	658	663	661	664	670	668	667	665	665	667	665	664	663	663	665	667	665	670	675	678	697	697	639	668
9 D	639	619	625	585	587	565	518	541	584	607	630	635	647	668	675	664	705	790	748	709	684	682	649	558	393	633
10	393	543	543	540	470	481	567	622	641	645	675	682	688	713	679	669	666	668	661	654	654	655	654	654	636	**622**
11	636	640	620	584	622	632	632	639	638	638	649	655	663	661	654	653	649	653	654	657	660	663	622	585	609	639
12	611	626	633	633	637	634	633	628	630	637	642	647	652	649	646	645	645	651	650	647	647	646	650	645	645	641
13	645	643	611	603	599	596	610	618	633	643	650	658	662	664	664	670	670	667	659	662	663	663	665	668	663	646
14	663	655	650	632	624	630	637	653	660	663	669	675	666	665	664	683	699	687	683	667	660	659	659	653	637	660
15	637	507	574	608	619	609	619	630	637	641	648	648	644	649	654	657	665	659	670	666	657	628	600	579	597	631
16 D	597	619	629	588	551	514	535	556	556	578	610	655	674	696	724	740	770	776	733	732	708	714	662	639	561	647
17 D	561	562	538	547	600	660	675	687	693	693	701	709	708	709	720	715	723	762	823	798	716	732	735	653	517	683
18	517	582	668	701	710	712	712	709	709	704	710	712	723	735	732	734	728	723	726	722	712	691	654	685	658	699
19	658	627	672	695	702	695	687	705	711	713	721	721	717	723	725	724	735	763	762	750	738	731	714	704	715	713
20	715	723	730	730	731	729	733	729	727	737	760	760	759	763	790	828	813	781	774	774	744	743	723	665	675	**748**
21	675	708	727	735	739	739	738	736	734	733	734	734	726	726	725	725	727	729	729	730	729	725	725	719	717	728
22 Q	717	716	718	722	722	722	721	720	718	715	716	711	710	709	710	717	726	730	730	726	723	722	709	709	708	718
23 Q	708	711	711	707	706	706	707	710	711	706	707	705	700	698	702	702	702	698	697	696	698	700	700	700	698	703
24 Q	698	701	702	704	704	705	705	706	707	707	702	699	692	695	700	708	709	709	708	708	707	706	705	702	699	704
25 Q	699	699	700	699	701	701	701	702	702	697	697	688	683	684	684	686	689	691	692	693	696	697	699	700	697	695
26	696	682	676	658	651	671	680	681	682	679	674	672	675	692	709	727	778	786	818	824	769	697	694	633	598	702
27 D	598	582	552	602	653	672	679	678	677	677	674	672	677	680	687	739	775	756	732	728	615	657	666	584	467	664
28 D	467	536	522	484	500	544	555	608	631	660	674	681	683	709	699	691	706	713	712	705	695	689	682	680	673	639
29	673	664	666	673	676	678	675	680	685	688	679	673	671	672	675	675	673	678	680	679	679	673	680	679	672	676
30	672	651	656	670	678	680	685	689	694	694	695	693	693	700	700	701	707	719	722	717	723	711	700	701	681	694
31	681	681	691	698	696	688	684	688	692	692	704	704	703	704	707	714	716	716	720	720	716	712	709	679	677	701
Mean	643	645	650	651	654	657	661	668	673	677	683	685	686	691	694	699	706	**712**	711	707	696	691	682	665	**642**	679

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

16. Lerwick. **March, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 40,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House 200+
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			*a*
1	20 52	663	482	00 48	181	00 36	65·9	35·3	20 12	30·6	17 11	814	557	01 04	257	1157	1	77·7
2	21 55	621	589	12 25	**32**	13 05	62·7	52·8	05 22	9·9	15 05	749	703	06 30	46	49	0	78·0
3	19 54	652	591	11 18	61	12 40	62·9	39·3	19 48	23·6	19 51	736	680	20 32	56	169	1	78·4
4	22 40	630	589	12 30	41	12 45	60·2	51 1	08 40	**9·1**	03 58	691	651	22 30	40	48	0	78·6
5	19 59	651	589	10 55	62	13 45	63·2	37·6	21 50	25·6	19 49	702	641	12 30	61	194	1	78·6
6	18 48	633	555	23 33	78	14 28	63·2	39·5	24 00	23·7	20 16	723	595	23 59	128	327	1	78·6
7	18 28	634	585	10 48	49	12 21	61·1	39·5	00 01	21·6	20 49	709	579	00 16	130	278	1	78·6
8	18 26	635	586	23 59	49	14 49	60·5	33·5	23 55	27·0	22 05	704	656	01 48	48	179	1	78·8
9	16 23	736	332	23 30	404	14 42	68·3	28·5	00 14	39·8	16 42	796	**309**	23 42	**487**	4289	1	78·6
10	12 57	636	427	03 50	209	12 30	64·6	46·3	00 40	18·3	12 50	734	380	00 01	354	1751	1	78·3
11	22 26	641	551	10 59	90	02 06	62·7	43·4	21 32	19·3	20 58	667	563	02 40	104	256	1	78·1
12	16 24	631	566	11 47	65	14 19	60·5	50·7	14 04	9·8	17 05	654	611	00 03	43	78	1	77·8
13	01 49	637	541	10 33	96	14 42	60·7	45·7	04 52	15·0	15 02	678	588	04 51	90	214	1	77·6
14	15 10	641	578	13 00	63	14 27	63·4	40·1	03 12	23·3	15 50	706	611	04 02	95	228	1	77·7
15	21 24	641	535	23 24	106	13 36	64·6	36·4	21 22	28·2	18 35	676	558	01 18	118	396	1	77·6
16	17 28	**1004**	393	22 35	611	05 10	79·2	28·4	23 08	50·8	17 28	870	479	05 34	391	5729	2	77·6
17	18 42	936	< **48**	24 00	> **888**	24 00	83·0	28·0	18 52	55·0	18 39	**881**	403	23 59	478	10718		78·2
18	12 54	651	< **48**	00 00 & 00 09	> 603	00 04	**96·5**	26·9	00 09	**69·6**	14 50	739	411	00 22	328	5588	2	78·7
19	17 28	666	558	00 29	108	00 22	63·3	43·1	17 17	20·2	17 00	765	609	00 45	156	434	1	79·1
20	14 50	714	536	11 40	178	14 39	68·9	39·8	19 09	29·1	14 54	846	642	23 12	204	887	1	79·7
21	21 12	640	583	11 50	57	13 38	60·2	44·5	00 16	15·7	10 10 about	741	680	00 01	61	115	0	80·2
22	21 29	655	582	12 20	73	13 08	63·1	47·6	08 33	15·5	17 30	730	707	12 40	23	102	0	80·5
23	20 08	637	574	12 30	63	13 02	63·1	47·6	08 05	15·5	07 50 about	713	694	18 50 about	**19**	87	0	80·3
24	23 23	644	580	11 40	64	13 12	60·3	48·5	08 42	11·8	16 20 07 20	710	691	11 56	**19**	70	0	80·2
25	19 38	646	586	11 02	60	14 00	63·9	49·1	08 49	14·8	23 06	703	680	12 45	23	81	0	80·1
26	16 26	748	421	21 40	327	18 04	69·5	33·8	21 47	35·7	18 08	850	540	21 36	310	2261	1	79·5
27	15 04	724	408	23 32	316	19 53	82·6	**21·0**	19 20	61·6	15 33	797	399	23 56	398	3269	2	79·0
28	15 11	672	355	00 08	317	00 04	72·7	24·5	03 44	48·2	13 10	717	421	00 01	296	2301	2	78·7
29	20 17	653	576	10 12	77	12 26	61·1	42·6	01 16	18·5	09 02	688	658	01 18	30	131	1	78·4
30	18 24	658	582	10 09	76	13 09	61·6	41·4	20 15	20·2	20 06	735	649	01 20	86	206	1	78·6
31	22 22	655	581	11 40	74	13 59	63·2	46·2	22 12	17·0	19 30	723	672	00 30	51	133	1	78·8
Mean.	—	677	500	—	177	—	66·3	39·8	—	26·6	—	740	581	—	159	1346	0·94	78·7
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* p. 31.

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

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

17. Lerwick. (H) 14,000 γ (·14 C.G.S. unit) + **April, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	629	622	621	616	595	615	596	609	593	578	575	567	575	581	590	607	603	615	624	631	633	634	627	615	603	606
2	603	612	615	618	619	619	618	614	604	589	575	563	566	578	592	609	619	626	634	632	632	632	632	617	608	609
3	608	614	614	616	613	617	618	613	599	581	579	573	575	583	598	613	622	625	625	630	631	631	631	619	619	610
4	619	624	624	624	623	624	624	618	605	593	585	574	583	591	612	619	616	636	655	651	642	618	624	629	619	617
5	619	611	612	611	612	619	619	610	602	592	578	573	573	586	597	605	607	631	634	640	638	631	625	625	621	610
6	621	619	617	616	619	617	614	612	608	592	584	576	579	580	595	605	619	634	633	631	630	624	623	625	623	611
7	623	623	624	621	623	623	623	623	612	598	579	576	586	601	605	632	655	668	668	659	649	640	592	613	615	621
8	615	593	591	610	605	596	597	597	576	564	559	555	558	596	619	587	591	593	600	617	628	617	618	621	627	596
9 D	627	628	624	623	621	614	614	614	604	586	569	567	569	619	657	799	806	790	671	625	600	597	598	601	606	634
10	606	594	584	607	601	597	599	601	598	590	548	555	560	575	595	601	603	611	619	628	631	626	626	625	625	600
11 D	625	621	619	616	581	574	601	605	593	590	567	554	566	567	579	662	716	858	681	614	610	610	603	525	591	613
12 D	591	603	579	542	607	610	604	594	595	584	570	565	583	589	614	605	628	634	629	634	634	623	622	616	609	603
13	609	609	612	612	607	612	612	609	603	590	573	568	565	575	598	616	620	621	621	629	628	627	621	617	636	607
14 D	636	627	635	636	648	653	637	622	621	566	559	555	731	787	864	725	826	680	584	567	602	578	579	579	573	**644**
15	573	489	535	568	554	566	587	560	576	559	559	557	586	580	579	625	613	600	604	606	611	611	612	610	606	**581**
16	606	599	598	597	594	599	605	596	580	573	566	568	561	583	591	593	597	606	619	619	624	619	612	609	609	597
17 Q	609	608	609	609	610	612	613	607	598	581	567	556	564	577	605	603	613	625	632	630	627	625	621	620	619	605
18 Q	619	617	616	617	616	620	620	615	597	582	569	562	568	590	588	607	612	615	629	633	635	628	625	622	622	609
19	622	621	621	618	615	619	622	621	603	572	561	575	581	586	598	608	616	624	635	637	636	635	637	626	617	612
20 Q	617	618	622	621	622	629	629	630	620	601	585	577	579	585	599	618	624	635	635	636	637	637	635	633	629	618
21 Q	629	629	628	629	629	630	632	627	616	604	592	585	581	591	603	610	619	628	629	630	632	632	630	629	628	619
22 Q	628	627	628	627	628	628	628	624	615	603	589	581	585	595	611	614	621	627	632	635	636	638	637	634	634	620
23	634	634	633	632	633	632	631	626	616	603	591	588	593	599	617	683	655	621	634	644	643	629	635	605	617	625
24 D	617	593	609	624	617	580	534	583	591	583	588	573	571	606	622	659	672	656	649	646	641	584	600	601	543	607
25	543	549	545	599	609	600	594	598	594	587	574	567	581	574	593	619	618	618	629	629	628	627	618	611	613	597
26	613	611	611	610	605	611	607	*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	647	*
27	647	643	635	628	622	615	610	599	596	591	595	579	586	598	612	619	635	637	638	638	633	632	632	633	633	619
28	633	628	627	623	628	628	623	616	604	593	584	581	584	595	607	614	623	630	636	636	636	635	634	634	634	618
29	634	627	627	627	627	623	621	615	605	593	585	583	587	599	610	621	617	640	634	640	638	639	637	637	638	619
30	638	629	618	618	611	614	617	607	590	575	578	574	585	597	610	622	635	640	634	638	632	633	621	617	616	613
Mean.†	617	611	611	614	613	613	612	609	601	586	575	**570**	581	595	612	628	638	**642**	633	631	630	624	621	615	615	612

MAGNETIC DECLINATION (WEST).

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

18. Lerwick. (D) 14° + **April, 1927.**

Hour. G.M.T.	0.	1.	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	54·4	51·9	51·7	51·7	55·5	52·1	53·2	54·0	51·9	51·9	53·2	56·7	60·2	62·5	62·3	61·1	57·5	54·6	51·9	51·7	53·4	52·5	49·8	47·8	49·4	54·2
2	49·4	55·7	50·7	49·8	49·9	49·8	49·8	49·4	47·4	47·8	51·3	55·5	59·4	60·4	59·8	57·9	56·5	55·5	54·6	54·6	55·3	55·5	54·4	47·8	40·1	53·1
3	40·1	46·3	49·8	49·9	50·1	51·3	50·1	48·2	48·2	49·9	52·6	55·5	59·2	60·4	59·8	59·2	57·5	55·5	53·6	53·6	53·6	53·4	51·7	49·8	57·5	52·8
4	57·5	52·5	51·9	51·7	51·7	51·5	50·7	49·8	49·8	48·2	51·7	54·0	59·4	61·7	63·1	61·1	59·2	55·9	54·4	49·8	38·6	49·6	50·7	51·5	51·7	53·0
5	51·7	52·8	48·8	53·6	48·6	48·0	47·8	47·0	47·8	48·2	52·1	56·3	59·8	61·5	59·8	59·8	57·5	56·3	55·2	51·7	54·0	50·7	51·3	48·0	48·6	52·8
6	48·6	48·2	49·8	51·3	51·1	49·8	49·0	49·8	48·2	49·9	53·6	56·5	60·9	61·5	61·3	49·6	47·4	55·5	54·6	55·0	54·6	52·5	53·4	53·4	53·8	52·8
7	53·8	53·8	53·4	52·1	51·3	49·8	49·8	47·8	47·0	49·4	51·9	54·8	49·6	64·2	67·1	66·0	65·0	63·6	61·3	55·5	53·6	45·9	52·6	49·8	44·0	**54·3**
8	44·0	44·3	45·5	45·1	46·3	47·0	49·6	49·9	52·1	52·1	53·6	59·8	63·5	65·6	62·9	61·1	62·1	55·9	52·6	51·9	51·9	51·5	51·7	51·9	52·3	53·2
9 D	52·3	51·9	50·9	50·5	49·8	47·8	47·8	46·1	45·9	46·7	50·1	55·7	58·0	61·1	62·9	59·8	59·4	55·9	56·3	49·2	51·3	53·2	54·8	55·0	54·4	53·1
10	54·4	53·8	55·2	51·9	51·7	51·7	50·5	49·6	47·8	51·3	55·5	60·9	62·1	61·1	59·4	57·5	55·2	53·2	52·1	53·0	53·8	53·8	53·2	53·2	52·6	54·2
11 D	52·6	52·1	51·7	53·2	52·6	49·9	46·1	45·9	45·9	47·0	49·8	53·6	57·3	58·2	57·9	57·9	58·4	59·0	54·8	54·8	53·4	49·0	49·8	50·3	48·0	52·5
12 D	48·0	51·7	52·1	53·8	49·6	49·2	47·6	47·8	45·1	48·2	51·7	53·6	57·3	59·4	60·2	55·5	55·3	54·8	53·4	51·9	47·8	49·9	50·7	53·2	53·2	52·1
13	53·2	53·0	52·1	51·9	51·7	49·9	48·2	47·4	45·5	46·7	49·6	52·6	55·7	57·7	58·2	55·9	55·2	54·2	53·6	53·6	53·6	53·6	53·4	53·2	55·5	52·5
14 D	55·5	51·3	50·7	49·8	52·1	51·9	51·7	49·9	41·8	48·6	43·8	40·1	32·2	37·8	38·2	52·5	53·4	56·9	53·8	51·7	50·1	54·4	52·5	53·6	54·2	**48·9**
15	54·2	58·8	53·6	53·8	55·3	51·9	48·2	48·2	48·2	50·7	52·3	56·3	58·6	59·6	61·3	57·7	53·8	53·6	53·6	53·6	53·2	53·6	53·6	53·6	53·2	54·0
16	53·2	55·2	55·3	55·3	53·6	51·7	48·8	46·3	46·1	49·2	50·5	55·3	57·7	59·2	57·5	55·9	53·8	52·6	50·7	51·7	51·7	51·5	53·2	53·4	53·6	52·9
17 Q	53·6	53·6	52·8	51·9	50·7	50·1	49·0	47·0	45·5	45·9	48·8	53·2	57·5	59·8	59·2	56·1	54·6	53·2	52·3	53·2	53·0	53·4	53·2	52·5	52·1	52·5
18 Q	52·1	51·9	51·7	51·7	50·7	49·8	47·8	45·7	45·7	47·6	51·5	54·8	59·2	62·9	60·4	57·5	55·5	53·6	53·2	53·0	52·6	52·1	53·4	53·2	51·9	52·8
19	51·9	51·9	51·7	51·5	50·5	49·8	48·0	45·9	45·1	48·0	53·6	55·7	58·4	60·9	60·4	58·4	55·5	54·8	53·6	53·6	53·6	53·0	52·5	49·6	49·0	52·8
20 Q	49·0	50·7	51·5	51·7	51·9	50·7	49·8	47·4	45·9	46·3	48·0	52·3	57·5	59·4	59·4	59·0	57·3	54·0	54·6	55·2	55·2	54·0	53·8	53·4	53·2	52·9
21 Q	53 2	52 3	52·1	52·5	53·6	51·9	49·8	46·7	46·1	46·3	47·8	51·9	55·7	59·0	59·0	57·5	55·5	53·6	53·4	53·4	53·2	53·6	53·4	52·5	52·1	52·6
22 Q	52·1	51·9	51·5	51·3	51·1	49·9	49·6	47·8	46·3	46·9	49·8	53·2	57·5	59·4	59·8	59·2	57·3	55·5	54·0	53·8	53·6	53·6	53·4	53·2	52·8	53·0
23	52·8	52·1	51·9	51·7	51·5	49·6	47·8	45·9	45·5	46·9	49·8	52·8	57·3	59·4	59·8	60·6	57·7	53·8	54·6	54·0	53·4	51·7	51·7	45·9	45·9	52·3
24 D	45·9	48·8	44·9	47·6	43·2	53·6	59·4	56·9	50·1	49·6	51·3	54·8	60·0	63·3	62·1	63·1	61·1	58·8	54·2	53·8	51·5	51·7	44·3	45·7	44·9	53·1
25	44·9	42·0	53·6	51·9	49·6	48·2	51·5	50·1	49·6	49·4	51·7	54·4	57·5	58·6	59·2	59·0	56·3	55·3	53·8	53·2	50·1	53·2	51·3	52·3	53·4	52·5
26	53·4	51·9	52·1	51·5	49·9	51·3	51·3	48·2	47·8	51·3	52·1	53·8	55·2	56·8	56·8	56·0	54·6	54·8	51·9	51·0	52·5	52·9	52·7	52·7	51·2	52·6
27	51·2	52·5	52·5	51·0	49·1	47·7	47·1	48·1	47·3	48·7	50·8	53·1	55·0	56·8	56·8	54·8	55·0	54·5	53·5	52·9	52·7	52·1	51·0	51·0	51·4	51·9
28	51·4	51·0	50·8	51·0	49·1	47·3	46·2	45·0	45·0	47·1	49·8	54·5	56·8	57·5	56·8	56·6	55·2	54·8	53·9	52·9	52·9	52·9	52·7	51·4	51·2	51·8
29	51·2	51·0	50·8	49·4	48·9	47·3	46·5	45·4	45·2	47·1	49·2	52·9	56·8	58·7	60·4	59·9	58·3	57·5	55·0	54·6	54·6	52·5	52·5	52·5	51·2	52·4
30	51·2	45·6	47·5	48·3	49·4	49·8	45·4	45·6	45·4	48·1	52·7	56·0	58·7	60·4	59·3	58·5	56·8	52·9	53·9	53·1	52·9	49·4	50·6	51·2	51·0	51·8
Mean.†	51·1	51·3	51·3	51·3	50·7	50·0	49·2	48·1	**46·9**	48·4	51·0	54·4	57·2	**59·6**	59·5	58·2	56·7	55·4	54·0	53·1	52·4	52·2	52·1	51·4	51·1	52·7

* Suspension broken. † Mean of 29 days; 26th omitted.

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

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

19. Lerwick. (V) 46,000 γ (·46 C.G.S. unit) + **April, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	682	698	709	709	690	678	695	684	692	694	698	703	703	705	703	699	699	696	697	696	693	691	690	678	670	695
2	670	666	667	684	689	692	692	692	691	692	696	699	694	691	691	688	690	691	691	693	687	683	681	684	649	687
3	649	660	675	682	686	685	688	689	688	687	691	692	691	689	688	688	691	700	697	693	689	687	685	672	665	685
4	665	668	685	690	693	695	694	695	695	692	694	695	690	691	702	712	713	705	713	728	709	690	693	696	690	696
5	690	680	669	642	647	683	697	704	701	698	702	704	706	713	711	715	715	713	727	731	723	718	714	702	688	700
6	688	680	695	704	706	712	713	713	708	709	710	710	712	717	726	731	732	734	737	736	736	735	728	724	719	717
7	719	715	713	714	715	715	715	714	711	707	703	698	688	687	691	698	717	745	775	787	774	707	643	657	636	711
8	636	638	618	617	627	647	641	635	642	645	657	663	676	703	731	724	704	708	694	679	672	671	670	665	661	**666**
9 D	661	658	661	663	668	670	671	668	671	672	670	673	684	723	751	779	775	819	808	768	738	708	695	684	679	706
10	679	658	640	660	679	689	690	687	691	694	706	715	717	713	701	705	712	712	707	704	704	704	702	704	706	695
11 D	706	709	713	713	703	642	619	630	673	711	723	729	726	725	733	749	831	842	848	791	777	754	737	685	623	726
12 D	623	694	675	623	700	713	718	719	719	727	733	737	728	728	726	746	741	741	732	729	722	716	698	710	714	714
13	714	713	723	729	731	734	639	743	745	753	752	755	761	763	769	775	773	773	770	766	765	765	768	769	758	753
14 D	758	751	751	758	750	750	750	716	707	736	796	871	882	912	950	956	915	873	845	818	799	781	775	779	782	**808**
15	782	732	723	732	741	745	763	783	783	793	790	787	793	801	794	795	796	777	761	753	751	751	750	747	748	767
16	748	746	738	738	742	739	744	745	744	744	744	740	743	**737**	741	739	739	736	736	736	733	735	735	734	735	740
17 Q	735	735	737	742	742	743	745	751	752	759	761	759	755	757	762	773	772	772	772	771	771	772	773	775	775	759
18 Q	775	781	784	786	789	791	790	787	785	789	791	784	783	790	791	783	783	783	777	779	778	779	777	775	776	784
19	776	779	781	783	783	779	776	777	777	777	768	759	756	756	758	755	755	751	749	746	745	745	741	735	737	762
20 Q	737	741	745	749	753	756	758	759	762	765	765	764	761	761	761	759	764	770	771	770	767	766	763	763	763	760
21 Q	763	763	763	763	757	756	758	760	756	756	750	742	734	730	729	725	723	720	716	714	713	710	707	704	704	737
22 Q	704	706	706	706	706	706	704	704	700	700	701	695	688	682	680	680	681	687	690	694	696	699	702	706	707	697
23	707	709	714	717	718	721	725	725	723	721	719	717	714	713	713	712	742	759	739	731	734	744	715	658	660	719
24 D	660	667	663	683	690	665	623	642	668	698	703	711	715	722	753	764	774	775	760	743	732	644	625	635	590	695
25	590	546	609	663	688	694	699	707	711	717	719	715	712	719	723	725	733	727	728	730	737	728	717	709	703	700
26	703	717	724	724	722	717	717	719	727	734	734	730	760	760	760	763	775	773	783	781	774	765	758	750	738	745
27	738	733	727	729	731	737	741	742	737	736	737	739	737	737	742	744	739	741	740	741	741	743	743	743	742	738
28	742	744	744	743	741	742	742	743	744	742	740	738	738	738	738	738	738	738	741	739	738	738	738	740	744	740
29	744	749	750	750	753	754	750	754	754	752	748	748	747	744	744	748	750	749	760	757	757	757	759	761	758	752
30	758	737	754	759	757	746	754	759	765	769	765	762	760	759	763	768	775	788	788	781	782	770	764	773	778	765
Mean.†	707	**705**	708	711	716	717	717	718	721	725	729	731	731	735	740	744	747	**749**	747	742	737	727	720	716	709	727

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

20. Lerwick. **April, 1927.**

Day.	Terrestrial Magnetic Elements.																	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$§	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	Horizontal Force.					Declination.					Vertical Force.									
	Maximum 14,000 γ +		Minimum 14,000 γ +		Range.	Maximum 14° +		Minimum 14° +		Range.	Maximum 46,000 γ +		Minimum 46,000 γ +		Range.					
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ					
1	11 00	639	565	20 54	74	13 38	63·6	45·9	23 30	17·7	02 51	710	668	23 55	42	129	1	79·0		
2	17 33	640	558	11 21	82	13 01	60·6	37·8	23 36	22·8	10 10	705	643	23 55	62	200	1	78·8		
3	21 12	635	570	11 04	65	12 44	60·9	39·3	00 08	21·6	17 05	701	641	00 01	60	163	0	78·6		
4	19 28	673	573	10 30	100	13 20	63·3	34·3	19 52	29·0	19 31	741	653	00 25	88	329	1	78·5		
5	10 12	644	554	02 41	90	12 30	63·1	45·7	02 21	17·4	18 40	735	612	03 18	123	287	1	78·4		
6	16 59	637	572	11 31	65	13 23	62·7	45·9	00 30	16·8	18 30 20 45	737	671	00 20	66	136	0	78·7		
7	17 58	675	559	21 42	116	13 50	67·7	37·2	20 53	30·5	18 25	794	618	21 39	176	613	1	78·9		
8	14 12	631	544	11 49	87	13 28	67·3	39 1	00 15	28·2	13 58	734	611	02 50	123	371	1	78·2		
9	15 13	> **979**	549	12 23	> 430	15 00	69·0	40·1	08 23	28·9	17 19	848	655	01 32	193	2373	1	77·9		
10	19 49	632	536	10 19	96	12 34	62·9	45·9	01 50	17·0	12 20	721	634	02 05	87	220	1	78·2		
11	16 56	890	**438**	23 18	452	17 26	69·4	30·4	23 27	39·0	17 48	862	557	23 36	**305**	3249	2	77·9		
12	18 39	655	463	02 42	192	02 40	63·8	43·4	08 38	20·4	15 19	750	592	02 49	158	694	1	77·4		
13	23 48	669	561	11 49	108	23 49	59·6	44·3	07 50	15·3	14 58	776	710	00 39	66	202	1	77·3		
14	14 13	> 968	464	08 51	> **504**	08 50	**74·3**	**22·7**	14 12	**51·6**	Between 14 10 & 14 50	> **967**	691	08 28	> 276	3782	2	77·8		
15	15 31	642	439	01 09	203	14 31	62·3	47·2	06 28	15·1	13 34	808	701	01 18	107	568	1	78·4		
16	19 30	626	551	12 03	75	13 09	59·4	44·2	07 52	15·2	01 20	751	732	19 30	19	102	0	78·2		
17	18 13	638	552	11 20	86	13 29	60·8	45·5	08 42	15·3	23 59	776	734	00 02	42	134	0	78·4		
18	19 50	636	562	10 50	74	13 00	63·1	44·7	07 25	18·4	14 00	**792**	774	23 00	18	119	0	78·9		
19	19 19	644	560	09 49	84	13 04	61·1	44·2	07 58	16·9	03 50	788	732	23 00	56	154	0	79·5		
20	17 15	643	573	11 27	70	13 25	60·4	45·7	08 59	14·7	17 55	772	735	00 02	37	101	0	79·6		
21	20 25	634	580	11 39	**54**	13 25	59·4	45·5	08 28	13·9	02 17	764	704	23 45	60	100	0	79·7		
22	20 00	639	578	11 12	61	14 15	60·4	45·9	07 56	14·5	24 00	708	677	13 58	31	85	0	79·1		
23	15 34	698	586	11 00	112	14 30	61·1	42·4	23 21	18·7	16 54	762	652	23 35	110	309	1	79·1		
24	15 50	691	493	23 59	198	21 01	67·1	34·3	20 40	32·8	16 23	792	579	21 34	213	1039	1	78·7		
25	15 22	637	454	01 32	183	13 41	59·6	34·1	01 10	25·5	19 55	739	**532**	00 40	207	880	1	77·8		
26	—	—	—	—	—	13 04	57·2	47·0	07 35	**10·2**	18 18	786	701	00 01	85	—	0	77·7		
27	16 15	651	573	10 38	78	13 33	57·3	46·7	06 18	10·6	15 00	745	724	01 30	21	85	0	77·2		
28	19 01	639	578	11 00	61	13 19	58·3	43·3	07 19	15·0	02 50	746	737	12 35	**9**	79	0	76·5		
29	17 09	652	585	12 09	67	14 26	60·8	44·8	08 02	16·0	23 55	761	741	13 05	20	95	1	75·7		
30	17 10	647	571	11 00	76	13 20	60·6	43·3	01 12	17·3	16 57	790	731	00 59	59	147	1	75·7		
Mean.	—	678	543	—	136	—	62·6	41·7	—	20·9	—	769	671	—	97	577		0·67	78·2	
No. of Days used.	—	29	29	—	29	—	30	30	—	30	—	30	30	—	30	29		30	30	

† Mean of 29 days; 26th omitted.

§ For explanation *see* p. 31.

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 centred at the Hours of Greenwich Mean Time.

21. Lerwick. (H) 14,000 γ (·14 C.G.S. unit) + **May, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	616	618	616	614	613	612	612	600	588	577	567	559	567	584	588	604	617	624	636	637	635	617	618	615	611	605
2	611	608	605	595	601	601	594	593	593	583	574	568	570	583	599	605	622	629	625	627	625	622	618	615	615	603
3 D	615	611	607	607	587	593	594	593	581	577	572	568	563	593	550	618	713	764	723	658	628	609	581	543	551	609
4	551	592	597	595	593	595	589	583	580	572	572	571	565	573	579	604	610	625	634	635	639	610	587	575	576	593
5 D	576	549	453	471	536	403	411	422	454	508	585	583	606	563	570	571	584	596	632	652	637	622	557	590	605	**548**
6	605	596	593	592	591	593	597	598	594	579	573	567	578	582	584	588	597	611	617	619	623	624	617	612	611	597
7 D	611	609	609	610	613	611	617	626	607	603	600	597	606	657	703	988	882	703	615	607	591	613	593	602	573	**644**
8	573	574	534	440	550	603	605	598	588	577	553	559	568	596	625	617	644	658	657	628	626	626	619	621	621	594
9	621	521	579	617	618	617	612	602	589	586	578	578	582	595	611	672	728	721	703	664	626	607	607	612	602	618
10	602	609	610	613	600	612	619	612	602	591	581	575	576	582	607	619	626	639	639	633	629	626	625	620	621	611
11 Q	621	619	613	614	615	616	612	606	594	581	573	568	575	581	593	606	609	613	625	636	631	624	623	621	619	607
12 Q	619	615	613	611	611	612	615	608	601	590	578	573	578	591	604	608	625	625	639	643	638	617	619	620	622	611
13	622	622	619	617	616	616	615	607	606	596	587	584	591	599	603	612	620	635	632	643	646	626	621	620	618	615
14	618	621	617	613	615	619	614	612	601	591	576	568	589	608	618	627	633	636	636	640	635	633	628	627	627	616
15	627	616	621	583	577	610	615	614	604	551	551	585	597	597	602	625	647	659	641	647	635	623	622	623	617	611
16	617	619	622	620	617	614	609	604	598	569	560	568	600	583	617	611	635	625	634	643	643	637	625	620	621	612
17 Q	621	617	614	625	625	624	618	612	603	588	581	581	583	594	606	614	627	638	645	639	636	630	629	629	622	616
18 Q	622	620	617	616	617	618	615	603	593	583	577	584	594	618	618	616	629	633	640	635	636	636	634	635	635	616
19	635	629	627	629	633	629	627	612	590	581	587	600	596	617	612	625	676	710	670	679	644	623	599	607	616	626
20 D	616	617	619	621	636	620	601	598	588	579	575	554	600	639	679	658	656	692	681	645	647	628	616	611	608	624
21	608	607	584	572	609	615	611	603	597	587	579	575	585	597	611	619	633	643	648	663	667	643	630	625	604	613
22	604	607	610	604	616	626	616	604	600	591	585	585	591	600	613	628	643	641	640	642	645	645	628	628	626	617
23	626	623	627	628	626	623	617	616	610	604	598	598	600	606	618	623	643	655	648	651	657	639	631	629	623	625
24	623	619	621	623	628	630	623	617	611	597	599	599	619	619	617	622	628	635	638	643	648	643	641	637	637	624
25	637	628	631	627	624	630	628	619	614	613	606	606	602	606	607	630	645	663	669	660	657	650	642	640	638	631
26 Q	638	631	630	631	632	630	625	618	604	592	587	588	593	607	607	620	626	640	647	656	656	650	644	638	638	625
27	638	631	629	628	626	636	628	625	622	604	592	599	605	612	617	631	643	656	669	678	668	657	658	655	643	634
28 D	643	643	642	640	642	640	629	609	590	588	571	572	590	621	627	627	653	662	707	701	682	640	601	608	607	625
29	607	595	608	609	595	594	604	602	595	588	585	582	589	601	625	620	632	639	642	651	653	645	636	621	619	613
30	619	616	613	616	618	623	620	613	601	583	580	579	583	584	601	624	634	653	663	661	640	634	629	621	621	617
31	621	622	625	626	625	622	616	610	601	591	579	580	586	599	623	645	660	663	660	657	652	650	632	632	632	624
Mean	615	610	607	603	610	609	607	601	593	584	579	**579**	588	600	611	631	646	**651**	650	647	641	631	620	618	615	614

MAGNETIC DECLINATION (WEST).

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

22. Lerwick. (D) 14° + **May, 1927.**

Hour G.M.T.	0.	1.	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	51·0	51·0	51·0	51·0	47·5	46·9	45·4	44·4	44·4	47·1	51·0	55·0	58·3	59·7	59·3	56·8	55·2	54·6	53·3	51·9	45·6	50·2	51·6	51·0	51·2	51·4
2	51·2	50·8	50·6	50·8	47·5	41·5	42·5	43·3	41·7	43·3	47·1	52·1	53·9	56·6	56·8	56·0	53·9	53·5	53·1	52·9	53·1	53·3	52·7	51·0	52·9	50·4
3 D	52·9	51·4	51·0	51·9	53·3	49·2	44·0	41·3	41·5	45·6	51·0	54·3	58·7	62·6	64·5	64·3	63·1	66·0	55·8	54·6	52·9	53·7	52·7	45·2	35·2	**53·0**
4	35·2	45·4	46·2	47·1	48·9	47·1	44·4	44·4	43·6	46·7	49·2	52·9	56·0	58·3	58·5	58·3	56·2	54·8	54·8	53·1	53·3	49·2	45·8	41·1	40·4	49·7
5 D	40·4	36·1	21·6	20·5	46·3	49·4	64·9	52·9	47·5	52·5	54·8	54·5	56·6	58·7	55·2	52·9	52·3	51·9	52·9	54·1	54·6	50·8	50·6	50·8	48·7	**49·5**
6	48·7	46·2	48·1	49·1	49·2	49·1	49·1	45·2	43·6	45·2	47·9	51·0	53·7	54·8	55·6	54·8	54·8	54·5	52·1	51·9	51·4	51·0	50·0	49·8	51·0	50·3
7 D	51·0	51·2	51·0	49·4	49·1	49·2	49·1	45·4	49·8	51·6	51·0	52·9	55·8	51·4	47·1	52·3	58·7	60·6	56·6	55·0	54·5	54·6	49·1	41·5	47·3	51·5
8	47·3	47·1	52·9	49·8	52·7	45·4	45·0	45·4	49·1	49·4	53·3	54·1	57·0	59·5	55·8	56·2	54·8	51·9	51·2	54·8	54·6	52·9	52·7	52·5	52·9	52·0
9	52·9	52·9	50·2	47·1	47·1	47·3	48·7	49·1	47·5	49·2	49·1	51·6	54·8	54·8	54·8	54·8	49·1	51·2	51·9	51·9	52·7	52·7	52·9	53·3	54·8	51·2
10	54·8	49·1	49·1	49·8	54·1	49·1	45·2	43·3	43·1	43·1	46·0	49·8	52·9	54·5	53·5	52·5	50·0	49·1	49·2	49·4	50·2	51·0	51·0	51·2	51·2	49·5
11 Q	51·2	51·2	51·0	49·8	48·5	47·1	46·0	45·6	45·2	47·3	50·0	52·9	56·8	58·1	56·6	54·5	52·9	51·2	50·4	49·4	48·7	50·0	51·0	51·4	51·0	50·7
12 Q	51·0	51·0	51·0	49·4	48·1	46·0	43·3	43·3	43·3	45·6	49·1	52·9	55·0	56·6	56·4	54·6	51·9	51·0	50·6	51·0	50·8	51·4	51·4	51·2	51·6	50·3
13	51·6	51·9	50·4	49·1	47·3	46·0	46·2	48·5	57·5	48·7	51·0	53·1	56·6	56·8	55·2	53·1	52·9	52·9	52·9	52·9	51·0	51·0	51·0	51·2	51·4	51·2
14	51·4	52·5	55·6	48·5	47·7	45·2	47·1	47·1	49·1	49·1	51·2	55·2	54·5	54·8	55·8	54·8	53·7	53·1	52·9	52·7	51·0	51·2	51·4	51·0	51·2	51·5
15	51·2	52·9	51·0	56·4	45·6	45·4	43·3	39·6	41·3	43·3	57·7	54·8	56·8	57·2	56·8	56·6	56·8	55·2	53·1	53·9	53·7	52·5	51·6	51·8	50·8	51·6
16	50·8	50·2	50·4	49·2	48·9	47·5	47·1	45·2	45·4	45·8	51·0	56·8	58·5	60·4	61·0	56·8	56·8	55·6	54·8	53·1	51·0	48·7	51·0	50·6	50·6	51·9
17 Q	50·6	50·4	50·6	49·1	49·1	48·7	47·1	45·2	44·4	47·1	49·8	51·9	53·9	55·6	56·6	55·2	53·7	52·5	51·2	51·0	51·0	51·2	51·0	47·5	49·1	50·6
18 Q	49·1	50·0	49·2	48·7	47·1	45·6	44·8	43·5	43·6	45·8	49·1	52·3	54·3	56·4	56·6	56·8	55·2	53·7	52·7	51·2	51·0	51·0	50·8	51·0	49·6	50·4
19	49·6	49·2	50·4	48·9	48·5	48·3	45·2	43·3	43·8	46·7	51·0	54·5	58·7	60·8	59·9	58·7	56·0	53·7	54·8	51·2	50·6	48·7	49·2	47·1	49·1	51·2
20 D	49·1	49·1	47·5	39·4	43·3	46·7	46·3	49·2	45·6	50·4	49·4	60·8	58·9	62·0	61·6	61·4	57·2	58·7	57·5	54·6	54·6	51·8	52·9	55·0	55·8	52·8
21	55·8	52·5	51·0	49·4	47·3	47·1	45·6	45·4	46·9	49·1	51·0	54·5	56·8	58·5	58·5	56·2	54·6	54·5	54·1	54·5	49·2	51·4	51·0	51·0	44·8	51·7
22	44·8	46·7	48·9	52·9	47·5	45·6	45·4	44·8	45·6	47·1	49·2	52·5	53·3	54·8	55·2	54·8	52·9	51·4	51·8	52·7	51·9	50·0	51·0	51·0	51·0	50·2
23	51·0	50·8	49·2	49·1	48·1	46·9	45·6	45·6	45·8	47·1	49·1	51·4	54·8	57·0	58·5	57·5	56·6	54·6	52·5	52·7	49·1	49·2	50·0	49·2	49·1	50·9
24	49·1	48·9	48·7	48·1	46·7	46·9	45·2	46·7	45·6	46·7	49·1	51·4	55·0	56·8	56·8	54·1	53·7	53·1	52·7	51·8	50·4	51·0	51·0	50·6	49·1	50·4
25	49·1	49·1	48·9	47·3	49·1	48·5	45·2	45·0	45·0	47·1	49·2	52·5	54·8	56·8	58·3	58·1	57·2	55·2	52·9	52·9	52·7	52·9	52·7	53·1	51·0	51·4
26 Q	51·0	49·8	48·9	48·3	45·6	44·6	43·5	43·3	42·9	45·0	47·1	51·2	54·3	54·8	54·8	54·8	53·9	52·3	51·0	51·9	52·3	51·4	51·4	51·0	50·8	49·8
27	50·8	49·2	48·9	48·7	47·3	46·2	41·3	41·3	42·7	46·9	52·5	51·9	54·8	56·0	54·8	54·8	54·1	53·7	54·1	54·8	53·1	51·9	52·5	50·0	49·1	50·5
28 D	49·1	50·4	49·8	49·4	45·2	44·4	43·1	40·2	43·3	43·3	49 1	55·0	56·6	58·7	59·1	50·7	58·7	54·8	53·7	44·0	49·2	47·1	45·4	50·6	50·4	50·0
29	50·4	51·9	49·1	47·9	46·0	45·0	43·3	42·3	42·9	46·5	51·0	54·8	58·1	57·7	57·2	50·4	54·6	52·7	51·2	51·4	49·2	49·4	47·5	47·3	49·2	50·1
30	49·2	50·8	49·6	48·3	46·3	45·2	42·3	41·5	41·3	44·4	47·1	51·0	54·6	56·0	56·6	50·4	54·8	52·7	51·0	49·2	51·0	52·3	52·5	51·0	50 6	49·8
31	50·6	49·1	48·9	49·1	47·1	45·6	44·6	43·6	45·2	47·9	51·2	55·2	58·7	59·7	58·7	58·1	55·4	53·9	53·1	52·9	52·7	49·1	45·6	46·7	46·9	50·9
Mean	49·7	49·6	49·1	48·2	47·9	46·7	45·8	**44·7**	44·8	46·9	50·2	53·4	55·9	**57·3**	57·0	56·2	54·9	54·0	52·9	52·2	51·5	51·1	50·7	49·9	49·6	50·9

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

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

23. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **May, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	778	780	780	773	763	771	773	774	774	773	772	770	769	770	775	771	770	772	775	782	790	787	781	780	780	775
2	780	781	784	785	771	775	781	778	773	773	770	771	770	771	772	781	791	796	795	790	786	785	782	780	778	780
3 D	778	779	786	790	789	759	767	784	784	790	798	808	818	806	839	893	872	901	865	866	859	847	818	760	728	814
4	728	760	793	814	819	819	819	820	828	828	828	825	822	822	823	823	827	830	836	839	849	871	860	832	783	823
5 D	783	743	633	525	499	539	619	653	770	853	872	897	897	869	858	862	854	851	846	851	856	846	735	742	800	769
6	800	825	841	845	844	843	843	845	845	849	851	842	843	855	860	860	842	830	832	832	833	836	828	832	833	841
7 D	833	840	843	849	850	846	839	841	842	849	851	850	850	888	980	985	991	968	929	886	876	864	864	826	826	**877**
8	826	823	837	770	812	848	876	885	881	882	882	882	875	865	891	891	882	881	865	847	838	829	821	816	800	854
9	800	682	673	740	759	764	766	764	763	758	760	755	744	736	727	727	742	752	754	745	716	724	717	711	673	738
10	673	688	700	706	698	687	698	706	707	710	710	703	699	693	688	683	679	672	673	671	671	669	668	665	663	688
11 Q	663	661	664	665	666	667	667	664	664	661	660	652	647	644	644	649	650	650	648	651	659	659	656	651	653	**657**
12 Q	653	653	656	658	659	659	659	659	658	655	652	648	643	641	641	646	649	656	659	665	672	679	673	670	669	657
13	669	673	673	676	680	678	676	680	674	673	673	672	670	670	672	676	680	682	686	685	690	682	689	691	695	678
14	695	697	682	671	682	688	688	682	687	695	699	697	692	693	697	703	706	711	714	714	724	724	723	725	727	700
15	727	722	714	701	616	650	669	698	721	741	733	727	732	750	764	764	766	776	777	760	757	754	752	749	749	730
16	749	749	749	750	752	749	747	746	744	751	755	748	746	757	758	774	778	772	757	754	757	756	750	747	737	754
17 Q	737	737	741	747	747	750	756	759	760	761	757	756	752	750	747	746	747	746	749	751	753	749	748	748	748	750
18 Q	748	754	763	767	772	772	772	774	772	772	768	759	750	750	762	765	766	763	756	753	753	752	751	751	749	761
19	749	752	755	757	757	757	757	757	756	752	743	737	738	739	762	787	797	805	788	770	751	726	703	684	705	752
20 D	705	720	707	686	714	741	751	744	744	734	731	731	731	740	770	824	809	783	783	783	759	748	739	721	683	745
21	683	682	655	675	712	732	735	740	742	737	731	725	719	721	730	732	733	738	742	747	756	755	745	735	702	725
22	702	735	732	727	734	747	750	753	752	755	754	746	741	740	740	737	735	735	731	728	728	735	735	734	731	738
23	731	731	731	733	736	739	738	735	734	727	725	716	714	707	698	697	701	707	722	722	719	724	718	716	716	721
24	716	715	713	705	703	715	725	727	731	731	723	715	714	716	723	724	725	732	734	733	738	741	740	740	736	725
25	736	736	736	737	739	734	738	741	742	742	744	738	734	737	740	746	757	766	775	774	763	756	756	747	738	746
26 Q	738	738	747	749	752	753	753	753	750	749	746	738	735	731	730	727	722	719	718	711	711	709	709	709	708	733
27	708	706	704	701	700	694	692	688	681	682	681	681	681	675	671	670	671	668	668	668	673	679	678	671	677	683
28 D	677	679	684	685	689	692	697	697	696	692	691	687	685	682	702	714	710	712	715	758	747	725	719	710	682	702
29	682	683	692	700	703	699	704	709	711	716	717	710	709	716	723	725	720	718	718	716	720	724	710	706	715	710
30	715	720	725	727	733	736	741	742	742	745	747	744	737	737	745	745	749	750	758	764	763	757	757	758	759	744
31	759	767	770	771	774	777	777	776	775	771	768	762	762	765	766	770	781	786	780	771	769	761	764	747	742	769
Mean	733	733	731	**729**	730	735	741	744	748	752	751	748	746	746	755	761	761	**762**	760	758	756	753	745	737	732	746

24. Lerwick. DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS; MAGNETIC CHARACTER FIGURES; TEMPERATURE IN MAGNET HOUSE. **May, 1927.**

Day.	Terrestrial Magnetic Elements.																Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	Horizontal Force.						Declination.						Vertical Force.						
	Maximum 14,000 γ +		Minimum 14,000 γ +		Range.		Maximum 14° +		Minimum 14° +		Range.		Maximum 46,000 γ +		Minimum 46,000 γ +		Range.				
	h. m.	γ	γ	h. m.	γ		h. m.	′	′	h. m.	′		h. m.	γ	γ	h. m.	γ				
1	19 48	647	555	11 01	92		13 19	60·8	43·1	01 20	17·7		20 10	793	759	03 49	34		152	1	76·3
2	20 15	633	561	11 15	72		13 50	57·2	40·4	05 30	16·8		17 00	798	707	03 58	31		112	1	76·6
3	16 46	959	511	23 29	448		16 49	**89·8**	21·1	23 47	68·7		16 43	982	702	23 28	280		3644	1	76·9
4	17 30	647	531	00 05	116		13 30	58·7	33·6	00 01	25·1		21 22	872	716	00 01	156		492	1	77·8
5	18 34	685	**320**	02 23	365		06 23	83·6	**6·6**	02 23	**77·0**		11 29	916	**471**	04 44	**445**		4382	2	78·3
6	17 35	629	551	13 43	78		13 54	56·8	43·1	08 16	13·7		14 29	866	802	00 02	64		135	1	78·5
7	15 07	> **1071**	568	23 59	> **503**		15 36	62·8	33·6	22 50	29·2		14 33	**1049**	808	23 00	241		3265	2	79·0
8	17 48	675	416	01 18	259		13 26	60·8	43·1	02 59	17·7		14 32	901	749	03 06	152		958	1	80·0
9	16 14	780	428	01 12	352		00 45	66·8	39·6	01 15	27·2		00 02	799	591	01 10	208		1806	1	80·1
10	17 30	644	569	11 22	75		03 56	55·8	40·9	08 18	14·9		09 11	714	662	00 07	52		123	0	80·1
11	18 51	642	566	10 44	76		13 01	58·3	44·8	07 40	13·5		04 30	669	641	13 33	**28**		98	0	79·6
12	18 30	648	572	11 20	76		13 02	56·8	42·3	06 54	14·5		20 50	682	640	13 26	42		114	0	79·1
13	20 30	666	581	10 40	85		13 10	57·0	45·2	05 29	**11·8**		20 12	698	667	01 30	31		107	1	78·6
14	19 10	645	558	10 25	87		01 58	58·9	44·8	05 10	14·1		24 00	729	662	02 40	67		157	1	78·4
15	16 23	669	516	09 22	153		03 20	64·5	37·1	08 28	27·4		17 35	785	604	04 05	181		696	1	78·6
16	15 50	659	547	09 39	112		13 35	62·6	42·5	07 32	20·1		16 15	784	738	24 00	46		219	1	78·8
17	17 40	650	580	10 15	70		13 59	56·8	43·5	08 13	13·3		07 30	764	724	00 20	40		97	0	79·1
18	17 48	647	572	09 35	75		15 08	57·2	43·1	07 38	14·1		07 00	777	747	00 01	30		101	1	79·8
19	16 59	727	570	22 22	157		13 03	62·2	39·6	07 08	22·6		16 29	815	667	22 38	148		558	1	80·1
20	17 18	715	518	10 45	197		14 41	68·7	38·4	02 53	30·3		15 22	842	677	02 51	165		827	1	80·4
21	20 02	673	558	02 40	115		13 30	58·7	43·5	24 00	15·2		20 52	760	650	01 55	110		295	1	80·6
22	21 05	653	579	10 52	74		13 58	55·8	39·8	00 18	16·0		09 51	757	691	00 02	66		145	1	81·0
23	17 28	668	596	10 09	72		14 30	58·7	44·6	05 50	14·1		05 40	741	694	14 35	47		110	1	80·9
24	19 48	651	595	09 30	**56**		14 13	57·9	44·8	06 11	13·1		21 05	742	691	03 29	51		89	1	80·4
25	17 58	676	599	12 18	77		13 50	58·5	43·6	06 20	14·9		17 52	776	733	11 20	43		117	1	81·1
26	18 52	657	580	10 22	77		13 18	55·2	42·7	08 22	12·5		04 30	753	707	23 59	46		109	0	81·4
27	18 41	687	580	09 49	107		12 52	56·6	37·5	08 21	19·1		00 09	708	664	18 03	44		199	1	81·1
28	17 56	749	558	10 42	191		14 45	62·2	39·0	18 50	23·2		18 35	781	675	12 52	106		575	1	80·6
29	19 02	661	580	10 40	81		12 36	58·5	41·3	07 05	17·2		14 42	727	678	01 06	49		143	1	80·2
30	18 16	671	574	10 41	97		14 48	56·8	40·9	08 16	15·9		19 45	767	714	00 02	53		168	1	80·3
31	17 02	668	573	10 35	95		13 03	59·9	43·1	21 46	16·8		16 41	789	739	23 50	50		166	0	81·2
Mean.	—	692	547	—	145		—	61·1	39·6	—	21·5		—	791	691	—	100		650	0·87	79·5
No. of Days used.	—	31	31	—	31		—	31	31	—	31		—	31	31	—	31		31	31	31

§ For explanation see p. 31. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56–61.

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

25. Lerwick. (H) **June, 1927.**

14,000 γ (·14 C.G.S. unit) +

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	635	628	629	633	632	630	624	614	599	587	577	581	592	605	625	631	639	651	679	695	677	665	638	639	637	629
2 D	637	632	625	623	633	639	632	626	619	603	594	598	621	613	632	650	652	653	658	672	665	657	647	641	641	634
3	641	641	636	630	630	625	634	634	618	597	591	585	599	613	641	655	655	662	662	662	658	649	643	642	640	633
4	640	639	637	639	640	641	637	627	619	612	603	591	595	610	613	639	647	647	664	675	678	665	670	657	657	637
5 D	657	657	655	655	657	646	592	635	651	624	612	596	605	610	628	635	653	666	673	665	665	660	639	617	547	637
6	547	567	620	621	633	631	626	617	605	601	596	602	609	610	618	628	641	654	660	661	658	657	647	641	640	625
7	640	634	627	627	635	641	634	622	613	603	597	595	605	623	625	623	640	661	676	666	659	653	647	643	640	633
8 Q	640	637	640	640	640	637	633	623	609	599	590	599	608	622	633	640	653	654	659	655	651	651	648	645	644	634
9	644	642	641	638	634	629	631	624	611	599	599	607	612	628	643	643	655	663	674	671	661	656	643	643	642	637
10	642	642	636	637	639	635	628	622	603	609	615	615	620	628	626	653	653	659	660	660	654	647	647	648	647	637
11 D	647	645	635	640	637	632	622	627	614	607	607	619	604	624	608	612	642	665	664	665	658	651	644	633	633	633
12 D	633	619	626	631	600	600	613	613	595	561	568	541	603	614	643	645	651	639	643	653	662	657	636	624	626	619
13	626	628	631	624	618	614	622	625	616	608	603	602	613	615	632	633	635	635	641	646	647	641	641	635	635	626
14	635	634	627	629	632	629	629	630	623	608	597	590	595	610	619	635	648	642	657	655	652	643	636	636	628	629
15	628	631	632	636	641	639	629	616	610	610	597	585	591	604	617	631	645	650	655	655	662	661	643	631	630	629
16	630	632	632	634	631	634	631	624	616	605	597	594	603	611	628	633	638	651	652	655	652	648	645	642	639	630
17	639	638	637	638	639	639	626	614	607	606	602	604	614	608	622	652	663	661	664	667	666	654	645	635	633	635
18	633	630	631	623	630	632	630	624	616	604	593	588	599	614	631	637	652	662	665	671	664	647	645	641	634	632
19 Q	634	629	630	635	636	623	623	621	617	610	604	602	606	613	624	631	643	652	658	659	655	650	645	642	643	631
20 Q	643	639	640	641	641	640	637	631	623	615	607	612	621	626	622	637	642	642	641	643	641	639	636	634	628	633
21 Q	628	623	622	621	623	626	623	615	609	602	596	597	606	612	616	624	635	647	655	653	646	639	639	633	627	625
22	627	629	630	630	629	630	630	622	611	599	593	596	598	610	625	638	651	681	681	682	673	654	649	643	642	634
23	642	635	636	639	638	635	625	617	615	613	600	596	597	607	617	627	638	654	659	667	654	649	647	637	632	631
24 Q	632	636	635	635	637	633	628	621	618	614	615	613	615	617	619	619	628	650	667	654	654	649	648	646	646	633
25	646	645	641	639	634	633	626	618	611	603	591	595	607	616	623	633	641	647	649	657	658	657	650	646	641	632
26 D	641	640	639	641	641	637	633	621	614	607	619	600	607	637	691	675	700	709	685	685	669	677	615	599	627	**645**
27	627	623	619	603	583	576	605	607	583	583	583	592	595	625	629	624	621	633	643	639	637	635	632	629	628	**614**
28	628	627	622	623	614	606	607	607	600	589	587	587	597	611	615	614	623	633	648	655	658	650	645	630	624	620
29	624	612	616	617	621	625	623	615	608	603	595	596	606	621	635	640	646	658	668	661	653	645	635	628	626	627
30	626	623	620	622	624	617	613	611	604	594	587	584	596	610	621	646	646	647	658	681	678	663	658	652	644	629
Mean†	633	631	631	631	630	628	624	621	611	601	596	**594**	604	616	629	637	647	654	661	**663**	660	654	643	637	633	631

MAGNETIC DECLINATION (WEST).

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

26. Lerwick. (D) **June, 1927.**

14° +

Hour. G.M.T.	0.	1.	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	47·0	48·8	49·0	47·4	46·3	45·3	43·4	41·6	43·0	45·5	49·2	54·0	58·6	60·5	60·9	59·0	58·6	56·5	55·3	54·7	52·4	42·8	47·4	48·8	50·7	50·7
2 D	50·7	49·3	52·6	53·4	50·7	44·9	43·4	43·6	43·7	45·9	52·6	51·9	55·1	59·2	59·2	58·6	57·1	55·3	54·6	54·6	53·0	51·1	49·2	51·1	49·9	51·7
3	49·9	48·6	47·6	49·3	51·1	54·0	51·5	49·2	47·8	49·9	52·6	54·6	56·9	58·6	58·6	58·4	56·5	55·1	55·1	53·4	51·1	52·6	52·0	51·3	50·7	**52·8**
4	50·7	49·2	49·2	50·7	50·5	46·3	43·4	43·4	43·7	45·3	49·2	53·0	55·9	57·6	58·4	56·9	54·7	53·4	53·2	52·8	53·0	52·4	53·0	51·7	51·1	51·2
5 D	51·1	49·2	48·8	49·2	47·2	47·2	52·4	51·3	49·3	45·7	53·0	56·7	59·2	60·5	59·2	59·0	56·9	54·9	53·0	51·1	49·9	51·1	47·6	37·2	36·6	51·4
6	36·6	47·2	47·4	49·2	45·5	43·4	43·4	43·0	43·4	45·3	49·2	52·6	54·9	56·9	58·4	56·7	54·0	53·0	51·9	51·3	51·3	51·1	50·7	49·5	50·9	49·7
7	50·9	51·1	51·7	53·4	47·2	43·4	41·8	42·8	43·7	47·2	51·1	54·6	56·9	58·8	57·8	55·1	54·7	53·2	52·2	51·3	51·3	51·3	52·0	52·4	51·5	51·1
8 Q	51·5	50·7	49·3	48·8	46·8	45·3	43·7	43·9	45·1	46·4	49·2	53·0	55·1	55·1	53·8	52·8	51·1	50·3	50·3	51·1	51·3	51·1	52·0	51·9	51·3	50·0
9	51·3	50·9	50·7	47·6	49·2	51·3	47·4	45·3	45·3	47·2	49·3	52·8	54·9	54·9	54·4	53·0	51·1	51·1	51·1	52·8	53·0	53·8	53·2	53·0	51·3	51·0
10	51·3	51·1	50·9	48·2	45·3	45·3	45·3	47·2	48·2	51·1	51·1	53·0	55·1	55·3	55·7	52·8	54·9	53·2	51·5	53·0	54·2	53·0	53·0	52·0	50·9	51·3
11 D	50·9	47·2	45·3	45·3	47·0	46·6	48·6	47·6	47·2	50·1	50·9	53·2	56·7	58·4	59·0	57·6	56·9	55·3	54·9	52·0	53·4	52·6	51·3	50·7	49·2	51·6
12 D	49·2	46·8	48·2	46·3	51·1	49·9	49·7	48·8	45·3	47·2	51·3	51·5	52·6	54·0	54·0	53·0	53·0	53·2	52·6	52·2	49·9	49·5	47·0	49·3	51·3	50·3
13	51·3	51·3	50·7	52·0	51·1	49·7	45·7	45·7	45·7	48·0	49·2	50·1	52·8	55·1	54·9	54·9	53·5	52·2	51·4	51·0	50·3	50·3	50·3	49·7	49·9	50·7
14	49·9	50·1	53·9	53·4	47·4	45·8	45·8	44·3	46·2	48·0	49·9	51·8	54·1	57·4	57·6	55·7	54·1	51·8	50·1	50·7	50·1	49·9	49·9	49·9	49·5	50·7
15	49·5	49·9	50·7	49·9	48·0	46·0	44·1	42·5	42·0	42·5	46·0	50·3	55·7	58·4	59·3	56·6	53·7	51·8	50·5	49·5	49·5	50·3	48·1	48·0	48·7	49·7
16	48·7	48·7	48·0	46·0	46·2	45·6	43·3	42·5	43·5	45·4	48·7	51·8	55·7	57·4	56·8	55·7	53·9	52·0	51·0	51·6	51·6	51·6	51·4	50·7	50·1	49·9
17	50·1	49·7	48·1	47·8	46·2	44·5	42·5	42·4	44·5	46·0	49·9	53·9	58·0	59·3	59·3	58·8	54·7	51·8	50·1	51·8	52·8	51·6	51·6	51·0	50·3	50·7
18	50·3	49·1	48·1	48·3	46·2	44·1	43·9	44·3	45·8	48·0	49·9	51·4	53·4	55·5	57·0	55·5	53·7	52·0	51·2	51·4	51·6	49·7	49·9	50·1	49·1	50·0
19 Q	49·1	48·9	47·0	47·0	45·1	45·6	44·1	43·3	44·1	46·6	49·9	51·8	54·1	56·4	57·2	55·3	53·2	51·8	51·2	51·2	50·3	50·1	50·1	49·7	48·9	49·7
20 Q	48·9	48·5	48·1	48·0	46·2	44·3	42·5	42·4	42·7	44·7	47·6	49·9	53·5	55·7	56·6	55·1	54·3	52·8	52·6	51·6	51·3	51·3	50·9	49·3	49·1	49·5
21 Q	49·1	49·7	50·3	48·6	45·3	43·5	43·5	44·3	44·5	46·4	49·1	51·6	53·2	54·9	55·3	54·7	54·0	53·4	53·4	52·8	52·6	52·2	50·5	50·5	49·3	50·1
22	49·3	50·5	47·4	45·5	43·7	41·8	41·2	43·2	44·3	47·0	49·7	53·0	56·9	58·8	60·7	59·0	57·0	56·1	54·3	52·6	51·4	50·7	49·1	47·9	46·8	50·4
23	46·8	45·2	44·9	45·2	43·3	42·9	41·0	42·2	45·8	46·8	49·5	53·0	56·1	56·8	57·4	56·2	54·5	53·7	52·6	52·2	50·3	51·0	50·1	48·7	49·1	49·5
24 Q	49·1	48·7	47·4	46·6	46·6	44·5	43·3	44·3	45·8	46·6	47·9	49·1	52·2	54·1	54·7	54·5	54·3	53·0	52·8	50·7	50·5	50·7	50·8	50·5	50·5	49·6
25	50·5	50·5	50·5	50·5	49·9	45·1	42·9	43·3	42·9	45·6	47·2	49·1	53·0	56·1	57·2	57·2	55·1	53·9	52·6	52·4	51·6	51·4	51·4	49·9	48·5	50·4
26 D	48·5	48·7	47·8	46·8	46·8	45·4	44·7	43·3	43·1	43·9	44·9	51·8	58·2	60·9	61·3	61·1	54·5	54·5	53·4	56·4	54·7	49·1	41·6	43·5	46·6	50·2
27	46·6	47·0	46·8	47·6	48·5	48·7	48·1	45·1	47·2	46·6	49·9	53·2	56·1	56·1	55·5	54·7	53·9	52·4	52·4	52·0	51·2	50·7	50·7	49·1	49·7	50·5
28	49·7	48·3	47·2	47·4	47·9	48·9	47·2	46·8	44·9	43·7	45·6	49·7	53·4	55·1	55·1	53·9	52·6	52·2	51·0	51·8	51·8	50·7	48·5	47·2	47·2	49·6
29	47·2	47·0	46·0	44·5	43·7	43·7	44·1	43·9	43·9	44·5	47·2	50·8	54·9	55·5	54·5	54·3	54·3	52·0	51·2	51·0	50·5	51·0	50·7	50·1	48·5	**49·0**
30	48·5	46·8	46·8	45·8	45·1	46·0	45·4	43·9	43·1	43·1	46·4	51·2	54·5	56·8	56·6	58·6	56·2	55·1	52·4	52·6	52·6	52·8	52·4	50·5	51·8	50·2
Mean†	49·2	49·0	48·9	48·6	47·6	46·5	45·4	**44·8**	44·9	46·3	49·3	52·3	55·4	57·2	**57·3**	56·2	54·5	53·1	52·2	52·1	51·7	50·9	50·2	49·5	49·4	50·6

† Mean of 25 days; 20th—24th omitted.

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

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

27. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **June, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	742	745	742	744	755	760	761	759	755	755	751	743	734	733	732	733	734	737	732	740	749	712	722	736	738	742
2 D	738	740	724	712	732	749	754	758	758	760	758	753	743	747	749	752	762	766	765	757	755	752	752	748	744	749
3	744	742	742	741	735	729	720	720	725	729	729	727	720	719	718	719	724	728	734	735	737	737	736	735	736	730
4	736	736	739	738	736	735	743	744	745	745	744	738	732	732	734	734	739	743	741	737	738	742	742	736	736	739
5 D	736	735	737	741	742	741	743	705	712	723	730	731	730	732	734	741	739	739	744	743	741	735	719	660	607	728
6	607	594	662	702	707	726	732	732	732	728	730	726	715	714	710	708	708	707	708	**709**	709	709	709	709	708	706
7	708	708	707	699	707	709	715	718	717	716	710	705	697	691	693	697	693	689	688	**693**	693	688	686	686	687	700
8 Q	687	688	689	689	689	688	687	687	685	677	674	666	659	658	657	656	654	658	658	658	658	659	659	658	659	670
9	659	660	665	666	666	663	654	656	666	663	659	657	659	663	664	668	669	677	681	688	687	685	684	681	680	**669**
10	680	678	677	674	675	675	674	671	672	661	656	658	662	671	683	697	700	685	680	681	677	676	675	664	648	674
11 D	648	638	655	668	675	667	666	665	668	667	668	666	677	682	697	704	707	721	721	721	711	702	701	691	661	683
12 D	661	655	666	674	683	664	670	678	692	701	691	685	691	691	701	726	728	724	718	715	717	710	712	715	716	696
13	716	716	714	716	715	717	718	723	731	745	759	772	764	760	756	757	760	759	758	759	759	759	759	758	760	745
14	760	763	762	747	747	760	762	763	763	768	768	768	765	762	770	776	779	784	776	775	774	770	769	765	763	767
15	763	764	764	765	764	766	768	768	765	764	764	764	762	759	760	764	767	774	776	781	776	777	778	776	781	768
16	781	783	785	789	791	793	794	795	796	794	793	793	787	786	788	795	797	797	797	796	791	789	788	787	787	791
17	787	789	789	788	788	790	792	793	786	784	781	778	779	784	784	789	796	808	812	810	808	807	807	808	809	794
18	809	811	811	810	807	815	819	821	810	810	810	808	809	810	811	822	826	827	827	828	831	836	836	832	832	819
19 Q	832	832	834	836	836	836	835	839	844	845	844	835	829	830	827	832	834	834	834	836	839	841	841	841	842	**836**
20 Q	842	846	849	852	852	855	855	856	858	*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21 Q	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24 Q	—	—	—	—	—	—	—	—	—	—	—	*	778	777	777	778	780	778	774	776	778	777	776	779	778	*
25	777	778	778	778	776	774	774	772	770	759	756	751	751	754	757	758	757	757	763	763	763	765	768	767	767	765
26 D	766	767	770	769	768	768	767	766	764	755	743	751	751	751	758	790	835	830	826	798	796	749	702	695	735	767
27	734	753	758	758	728	707	716	736	745	756	757	750	746	744	757	767	765	762	755	749	748	748	750	750	750	748
28	749	749	752	752	750	749	742	742	743	743	742	740	737	735	734	737	738	740	742	740	739	738	731	726	725	741
29	725	729	721	720	721	728	728	735	734	731	726	723	720	713	716	724	731	731	731	736	736	735	730	732	728	727
30	727	730	733	732	731	741	739	738	732	729	728	727	717	713	716	714	724	732	734	734	734	733	732	728	726	729
Mean.†	**731**	731	735	736	737	738	739	739	740	740	739	737	733	733	736	742	747	**748**	748	747	747	742	740	735	733	739

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

28. Lerwick. **June, 1927.**

Day.	Terrestrial Magnetic Elements.																		Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	Horizontal Force.					Declination.					Vertical Force.										
	Maximum 14,000 γ +		Minimum 14,000 γ +		Range.	Maximum 14° +		Minimum 14° +		Range.	Maximum 46,000 γ +		Minimum 46,000 γ +		Range.						
	h m	γ	γ	h m	γ	h m	′	′	h m	′	h. m.	γ	γ	h. m.	γ						
1	18 54	709	570	10 11	139	14 11	61·3	37·6	20 41	23·7	06 10	765	701	20 53	64		336		I		81·4
2	18 51	678	587	09 21	91	13 52	61·3	41·8	07 32	19·5	16 36	772	703	02 31	69		199		I		81·9
3	16 42	672	581	10 53	91	14 03	59·0	46·8	02 18	12·2	00 02	745	715	13 40	30		119		I		81·9
4	19 33	689	585	11 12	104	14 10	58·8	41·6	06 08	17·2	09 20	750	728	13 03	22		166		I		82·4
5	17 40	689	544	23 59	145	14 42	61·1	**28·3**	23 38	**32·8**	06 04	756	601	23 59	155		644		I		82·5
6	20 38	667	499	00 15	168	13 57	58·6	36·0	00 01	22·6	09 30	735	**573**	00 42	162		637		I		82·7
7	18 11	680	589	11 12	91	12 50	59·2	41·2	06 10	18·0	07 40	719	685	15 20 and 22 15	34		154		I		82·9
8	17 46	662	586	10 04	76	12 33	55·9	43·4	06 31	12·5	02 58	690	653	15 45	37		100		0		82·4
9	18 27	680	592	09 50	88	11 58	55·1	44·1	07 17	**11·0**	20 07	689	650	05 57	39		115		0		81·9
10	15 36	696	**498**	08 15	98	15 36	57·1	44·1	05 25	13·0	16 10	705	648	24 00	57		159		I		81·3
11	16 39	693	565	14 03	128	14 19	60·5	43·6	07 50	16·9	17 15	732	634	00 55	98		312		I		80·7
12	15 22	677	536	09 26	141	13 23	55·5	43·4	08 21	12·1	15 50	734	646	00 20	88		302		I		80·4
13	19 58	650	601	11 09	49	13 19	55·3	43·4	07 35	11·9	10 57	773	712	02 03	61		87		I		80·7
14	17 55	664	585	11 06	79	02 27	58·4	43·7	04 30	14·7	16 47	785	740	03 30	45		121		I		81·0
15	20 03	668	578	11 05	90	13 18	59·7	38·7	08 22	21·0	21 49	784	757	12 42	27		167		I		80·7
16	18 46	656	586	11 09	70	12 25	57·6	41·2	06 42	16·4	18 16	798	781	00 04	**17**		101		0		81·0
17	19 36	673	589	12 32	84	12 55	59·7	41·8	07 09	17·9	17 56	814	775	11 06	39		144		I		81·2
18	19 03	672	587	11 03	85	13 52	57·2	42·9	05 58	14·3	21 20	837	803	03 45	34		121		0		82·1
19	18 58	661	600	10 40	61	13 30	57·4	42·4	07 02	15·0	09 10	**849**	826	13 50	23		83		0		82·8
20	19 38	647	605	10 22	**42**	14 38	57·2	42·0	06 29	15·2	—	—	—	—	—		—		0		83·9
21	17 52	657	595	09 32	62	13 28	55·7	43·2	05 50	12·5	—	—	—	—	—		—		0		83·9
22	17 15	692	590	09 59	102	14 32	62·7	39·5	05 30	23·2	—	—	—	—	—		—		I		82·9
23	18 37	670	590	11 29	80	14 16	58·2	39·6	05 58	18·6	—	—	—	—	—		—		0		82·7
24	18 30	660	609	11 01	51	14 50	55·1	43·1	05 40	12·0	—	—	—	—	—		—		0		82·6
25	21 03	662	588	10 18	74	14 29	57·8	42·0	08 01	15·8	01 47	780	747	11 50	33		111		0		82·4
26	17 28	**736**	564	22 31	**172**	15 01	**64·0**	31·3	22 10	32·7	16 10	845	672	22 19	**173**		788		I		82·7
27	18 19	649	565	05 02	84	13 10	56·8	44·3	07 21	12·5	15 42	770	696	05 08	74		153		I		82·8
28	19 37	665	585	10 40	80	13 03	55·3	42·5	08 50	12·8	02 15	753	724	22 45	29		102		0		83·4
29	17 50	670	584	10 34	86	12 22	56·1	42·5	05 03	13·6	20 02	737	712	13 15	25		114		0		83·6
30	19 30	693	579	10 16	114	15 06	58·9	42·4	08 26	16·5	05 00	741	712	13 06	29		187		I		84·1
Mean.	—	675	580	—	94	—	58·2	41·3	—	16·9	—	762	704	—	59		221		0·60		82·2
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	25	25	—	25		25		30		30

† Mean of 25 days; 20th–24th omitted. * Instrument removed for cleaning and adjustment.

§ For explanation *see* p. 31. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56–61.

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

29. Lerwick. (H.) 14,000 γ (·14 C.G.S. unit) + **July, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	644	628	628	633	636	637	633	620	609	583	590	591	617	640	579	624	649	665	661	662	661	657	650	648	643	631
2	643	635	633	632	635	635	633	622	609	593	578	584	587	600	630	655	681	670	666	685	675	672	635	628	627	**634**
3 Q	627	626	626	627	623	626	616	608	607	597	587	579	589	599	616	625	641	654	655	657	647	635	635	632	631	622
4	631	631	633	635	639	635	622	611	600	588	584	585	589	601	604	620	645	658	653	648	655	650	642	631	630	625
5	630	635	623	639	638	637	632	619	609	594	587	587	601	624	625	631	644	647	649	649	644	638	635	632	629	627
6	629	631	632	638	638	637	631	618	612	603	597	597	602	617	619	629	633	656	665	688	664	645	639	632	628	631
7 D	628	624	626	629	630	629	624	617	605	586	585	596	597	617	599	643	644	651	655	657	644	637	633	630	629	624
8	629	631	625	625	631	619	596	580	605	600	587	584	597	600	606	625	635	648	646	647	646	631	626	625	621	618
9	621	621	620	619	620	615	611	609	604	595	588	589	596	610	615	631	629	642	645	647	646	645	631	624	623	620
10 Q	623	620	620	621	621	618	614	609	599	584	587	594	601	608	620	632	639	647	658	642	639	635	633	634	635	621
11	635	629	627	629	630	631	628	623	611	600	599	601	603	612	618	634	657	650	650	643	656	649	639	629	628	628
12	628	629	631	635	633	630	622	620	616	607	607	610	616	616	617	631	651	654	650	643	646	646	638	629	627	629
13	627	624	623	626	625	623	619	618	615	602	602	603	608	621	627	628	633	638	641	647	645	640	631	633	632	635
14	632	614	620	621	620	616	613	606	600	599	596	598	606	620	625	626	635	638	638	637	624	626	624	625	623	619
15 Q	623	623	623	623	621	615	604	597	590	582	580	576	592	610	629	635	634	630	635	627	629	629	625	622	619	615
16 Q	619	617	615	613	613	611	605	596	586	579	579	588	603	613	627	635	644	636	635	636	633	631	629	629	631	616
17	631	610	617	630	630	623	565	579	601	604	585	578	585	591	604	627	623	643	654	642	633	629	622	622	620	613
18	620	621	620	619	620	620	616	608	603	585	576	580	588	599	614	620	631	636	641	641	633	627	623	620	616	615
19	616	617	620	617	618	617	613	604	597	590	591	592	591	610	604	645	668	658	636	647	636	628	631	616	616	619
20	616	615	615	616	613	610	605	606	598	578	565	560	572	590	592	610	638	655	656	658	642	629	623	622	603	612
21 D	603	606	606	616	615	599	590	592	598	585	572	577	591	598	610	611	624	632	640	636	632	667	687	629	573	613
22 D	573	581	371	181	377	437	206	368	509	560	560	571	609	669	732	783	805	636	707	667	623	597	592	591	588	**555**
23 D	588	587	586	587	588	586	584	581	576	576	558	528	576	600	610	601	612	649	642	631	636	619	597	575	592	595
24	592	585	579	567	578	581	579	573	564	565	562	567	577	587	624	610	611	619	633	624	637	623	605	598	597	593
25	597	593	590	594	588	562	578	585	578	572	572	578	585	591	601	609	604	617	623	627	637	624	611	611	598	597
26	598	602	593	591	592	592	594	592	586	568	561	566	578	586	598	599	611	618	624	636	635	631	630	629	611	601
27	611	600	605	595	599	605	599	595	593	573	560	565	567	586	595	605	624	634	666	669	655	633	606	598	599	605
28	599	605	591	597	597	588	587	592	590	583	575	570	571	578	589	599	602	611	615	619	619	616	612	610	610	597
29 Q	610	606	607	608	605	605	600	592	589	586	581	575	579	586	601	616	617	620	621	622	622	620	617	618	613	604
30	613	610	610	608	611	617	612	605	598	587	581	578	579	588	607	604	610	626	635	638	642	618	610	604	602	608
31	602	599	601	602	605	605	598	591	579	566	574	579	574	589	603	605	619	625	634	639	619	607	608	607	606	601
Mean.	617	615	607	602	609	608	595	595	595	586	**581**	581	591	605	614	627	639	641	**646**	646	641	633	626	620	616	613

MAGNETIC DECLINATION (WEST).

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

30. Lerwick. (D.) 14° + **July, 1927.**

Hour. G.M.T.	0.	1.	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 D	51·9	46·5	43·2	43·2	43·4	43·8	43·4	43·0	47·5	47·1	46·7	50·8	53·5	54·8	56·7	56·9	55·8	54·4	52·3	51·5	52·1	50·4	50·4	48·8	50·6	49·5
2	50·6	48·6	44·8	45·3	45·0	44·8	43·6	44·0	43·6	42·8	46·7	50·6	54·2	57·3	57·7	57·5	55·6	54·0	52·9	52·5	53·1	48·8	48·6	49·6	48·6	49·6
3 Q	48·6	48·0	47·5	46·9	48·0	48·8	45·0	44·8	44·4	45·3	46·7	50·6	52·7	54·6	56·3	54·6	54·4	53·1	50·9	50·6	50·8	50·8	50·4	50·2	49·6	49·8
4	49·6	48·8	48·6	47·9	46·5	44·8	43·6	43·0	43·2	44·6	45·3	49·0	52·9	56·2	56·5	56·3	54·6	53·8	52·3	51·3	51·5	50·6	47·1	50·6	51·1	49·6
5	51·1	51·5	48·0	43·0	42·3	42·5	42·3	43·6	44·2	46·1	48·0	50·8	53·6	56·7	58·5	56·9	54·2	51·3	51·3	51·1	50·8	50·6	49·2	49·0	48·6	49·4
6	48·6	49·6	50·8	50·6	44·8	43·0	43·2	45·9	46·3	45·2	46·9	49·0	51·1	54·4	54·6	55·6	54·6	54·2	54·4	52·1	49·8	50·9	51·1	50·9	48·8	49·9
7 D	48·8	49·6	48·6	46·7	46·3	46·5	45·0	45·2	44·2	43·4	48·0	50·9	49·4	53·1	56·2	57·5	54·2	52·9	52·3	49·6	50·8	51·1	51·3	50·8	50·6	49·7
8	50·6	50·8	47·7	45·3	43·6	45·7	45·0	48·2	43·8	43·4	45·9	48·8	51·7	54·4	55·0	53·1	50·6	49·2	48·8	47·9	48·8	49·6	49·2	49·4	48·8	48·6
9	48·8	48·4	48·0	48·6	45·0	43·8	43·4	42·8	43·2	44·6	46·9	50·0	51·7	53·5	52·9	51·9	51·1	50·8	50·4	50·0	50·2	48·4	49·2	49·4	49·2	48·5
10 Q	49·2	48·6	48·4	47·1	45·3	43·6	43·2	43·0	43·2	46·1	49·0	53·3	54·4	53·6	52·1	50·6	49·4	49·0	49·4	49·8	49·0	49·6	50·2	50·2	49·0	48·6
11	49·0	46·9	47·3	46·3	45·3	45·0	44·6	43·4	44·8	47·3	46·9	47·5	50·2	51·7	52·7	50·9	50·0	50·6	50·8	50·9	51·1	50·6	51·5	50·8	49·2	48·6
12	49·2	49·4	49·8	49·2	45·2	45·2	46·5	45·3	44·8	46·3	48·6	52·1	52·7	52·5	52·7	53·1	51·7	50·6	49·0	47·9	50·2	50·9	50·9	50·9	50·6	49·4
13	50·6	48·8	48·0	46·1	45·0	44·4	43·4	42·8	43·0	43·4	46·9	49·0	51·[illegible]	52·7	53·5	52·9	52·3	50·9	49·6	50·2	51·1	51·7	48·8	48·8	48·4	48·5
14	48·4	45·9	47·1	48·4	45·0	43·4	43·0	43·0	43·2	45·7	47·5	51·1	54·4	54·6	54·0	53·6	53·6	51·1	49·0	49·0	49·2	48·8	48·4	48·4	48·6	48·6
15 Q	48·6	47·3	46·9	46·7	46·7	45·0	44·8	44·0	42·1	45·7	49·0	52·7	54·8	56·5	56·2	56·2	54·4	51·1	50·8	50·8	50·6	50·6	50·4	50·2	49·6	49·7
16 Q	49·6	49·6	48·4	46·7	45·0	42·8	41·7	42·6	43·2	45·2	48·8	52·7	54·6	54·8	54·4	54·4	54·2	53·1	51·1	50·4	50·2	50·9	50·8	50·6	50·6	49·4
17	50·6	50·8	43·6	44·4	44·8	45·0	54·6	59·0	51·1	46·9	49·2	54·2	56·5	57·9	58·5	58·5	55·4	52·7	51·7	51·5	50·8	50·8	50·6	49·2	48·6	**51·6**
18	48·6	47·3	46·5	46·7	45·7	43·0	41·1	40·3	41·1	43·6	46·9	50·0	53·1	54·4	54·4	54·2	53·1	52·1	51·1	50·4	49·6	49·4	48·0	48·0	47·3	48·2
19	47·3	48·0	45·9	45·2	44·8	44·0	43·2	42·6	44·6	45·0	46·7	50·8	54·4	56·5	58·5	60·0	56·2	54·2	53·1	54·6	53·8	52·7	48·6	47·1	47·7	49·9
20	47·7	46·9	46·1	46·3	46·3	46·3	45·0	44·0	43·0	45·0	46·9	50·9	54·8	56·9	56·3	56·2	54·4	51·3	52·7	46·7	49·0	50·9	52·3	50·4	54·6	49·6
21 D	54·6	50·8	50·4	45·0	43·6	44·0	43·2	43·0	41·7	44·2	47·1	48·4	51·1	54·4	54·6	53·5	51·9	50·8	50·8	50·4	50·0	47·1	36·3	49·0	47·1	48·0
22 D	47·1	49·2	53·1	25·7	14·5	24·1	26·6	52·3	44·2	43·0	45·2	50·6	56·5	56·3	56·5	63·7	50·9	52·9	46·9	47·3	52·5	56·5	50·8	49·0	48·4	**46·5**
23 D	48·4	46·9	46·3	45·7	45·3	44·6	44·2	43·8	43·0	44·4	44·0	45·3	50·9	54·2	54·0	52·7	52·9	52·5	47·1	49·6	50·4	49·0	50·2	50·8	46·5	48·1
24	46·5	46·9	49·2	47·3	48·6	46·7	43·0	44·2	42·1	42·6	44·4	46·9	50·8	53·1	51·9	52·9	52·5	50·9	51·1	50·6	50·6	48·0	47·1	47·3	48·0	48·2
25	48·0	47·3	47·9	44·8	43·2	45·2	43·4	40·7	40·9	43·0	44·8	47·1	50·8	53·1	54·2	53·6	52·3	51·7	52·3	52·1	50·4	48·8	48·6	49·2	48·8	48·1
26	48·8	48·6	44·8	46·5	43·6	43·2	44·6	45·2	45·2	46·9	47·3	47·9	50·8	53·6	54·2	54·0	52·7	50·9	50·0	48·8	46·9	48·8	50·2	48·4	46·9	48·4
27	46·9	45·0	43·4	41·1	39·2	38·6	40·1	41·3	42·3	45·0	46·9	49·2	53·1	55·0	56·2	54·6	52·7	50·9	50·4	47·1	46·9	46·7	46·3	45·2	48·6	46·9
28	48·6	49·0	51·7	50·6	43·8	42·8	43·0	39·7	39·2	41·3	45·0	49·0	52·9	55·0	55·4	53·6	50·2	48·2	48·0	48·4	48·6	48·6	48·4	47·9	47·7	47·9
29 Q	47·7	47·3	48·2	47·1	46·7	45·0	43·8	43·6	45·0	48·0	49·4	51·3	55·0	56·9	56·5	54·6	52·7	50·4	48·8	48·6	48·8	48·8	48·8	48·0	46·7	49·2
30	46·7	46·3	46·9	48·0	49·6	46·7	45·0	45·3	45·3	45·3	48·8	50·8	52·7	54·4	54·4	52·9	51·1	49·8	48·8	48·4	45·3	48·4	48·4	48·0	48·4	48·7
31	48·4	47·1	46·7	46·5	45·7	43·6	43·0	44·2	45·2	50·2	50·8	51·1	53·6	54·6	54·0	52·9	51·7	49·2	49·0	48·6	47·1	47·1	48·6	49·2	49·0	48·7
Mean.	49·0	48·3	47·5	45·8	44·1	43·7	**43·4**	44·3	43·8	45·1	47·1	50·1	52·9	54·8	**55·1**	54·8	52·9	51·6	50·5	50·0	50·0	49·9	49·1	49·2	48·9	48·9

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

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

31. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **July, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	725	712	716	726	726	731	733	734	733	728	719	719	720	727	746	728	722	716	718	714	716	716	712	705	701	722
2	701	685	684	694	703	705	709	712	709	704	699	696	695	694	695	695	703	712	712	703	700	690	690	688	688	699
3 Q	688	687	686	687	687	683	682	682	684	688	688	686	681	677	675	675	677	676	677	676	676	675	674	672	671	680
4	671	671	671	675	675	678	678	679	679	682	679	671	668	666	665	664	664	671	673	672	671	670	669	669	666	672
5	666	652	634	636	652	657	661	664	669	677	678	677	677	673	672	664	664	667	674	677	685	686	691	693	692	669
6	692	696	693	686	685	687	687	688	689	698	698	694	691	689	687	687	687	688	688	**695**	710	707	700	693	685	692
7 D	685	672	676	683	686	686	685	685	683	684	683	680	691	702	701	685	688	685	686	**688**	687	681	678	675	674	685
8	674	673	669	667	663	662	664	663	658	665	666	666	664	662	667	668	674	675	674	673	672	672	671	670	670	668
9	670	669	668	667	665	668	669	668	670	677	675	674	671	670	672	669	672	670	669	669	671	674	673	674	673	671
10 Q	673	677	679	681	684	687	689	690	688	687	688	685	684	684	684	688	692	694	696	699	701	705	707	707	709	690
11	709	713	714	719	720	723	723	723	723	733	731	730	731	732	731	731	731	738	736	734	728	731	729	726	724	**727**
12	724	721	719	715	712	714	713	710	707	709	708	707	706	706	706	707	707	711	711	710	708	706	705	704	703	710
13	703	703	703	703	702	702	700	695	694	694	691	689	688	687	686	690	694	698	703	709	710	708	709	704	698	698
14	698	686	691	691	692	696	696	703	704	704	700	696	690	690	690	690	690	689	688	687	687	683	681	680	680	691
15 Q	680	676	678	679	680	680	679	673	671	666	663	659	651	654	658	668	673	680	678	676	675	674	675	675	678	672
16 Q	678	682	684	688	687	689	691	687	683	683	683	682	679	678	675	674	676	678	678	678	679	678	677	679	675	681
17	675	656	664	674	682	684	680	644	652	668	674	679	677	679	691	710	729	727	725	722	712	701	697	695	694	688
18	694	695	696	697	698	698	698	701	700	705	704	698	696	695	693	692	694	696	696	698	700	698	698	698	697	697
19	697	696	697	701	702	703	702	701	700	700	697	697	692	688	689	685	703	722	722	711	708	707	695	690	692	700
20	692	691	692	693	693	688	684	685	689	693	694	691	688	687	688	690	696	708	712	714	708	704	699	691	672	694
21 D	672	666	677	682	691	695	695	692	693	701	702	703	700	699	699	701	701	703	699	698	698	674	645	653	599	688
22 D	599	599	562	262	352	483	493	466	535	622	632	637	649	699	714	726	783	743	719	720	714	701	674	691	702	**618**
23 D	702	707	708	708	708	708	710	712	711	714	714	735	718	714	719	725	723	724	731	723	719	718	702	684	692	714
24	692	697	701	691	695	691	698	706	714	724	724	723	722	722	727	729	721	717	714	717	717	723	722	715	715	713
25	715	711	705	703	703	704	700	701	704	707	706	704	704	705	703	702	701	702	706	704	704	706	706	696	688	704
26	688	683	693	695	695	696	701	703	702	705	699	695	694	693	692	697	697	697	696	700	701	700	693	663	636	694
27	636	646	662	671	674	685	689	692	694	696	695	696	696	691	700	699	699	702	704	725	727	722	704	686	690	692
28	690	694	691	671	672	685	684	689	690	696	697	696	693	689	689	688	690	688	687	682	683	681	681	680	680	687
29 Q	680	680	680	683	683	683	682	679	676	674	670	662	657	655	657	658	661	665	667	666	666	666	661	661	659	661	669
30	661	663	664	665	664	653	657	658	659	650	649	648	648	648	654	663	664	658	658	656	662	659	655	654	654	657
31	654	652	653	652	653	653	652	651	645	647	644	642	643	645	647	654	659	671	674	673	673	667	660	656	655	655
Mean.	683	681	681	**672**	677	682	683	682	684	690	689	688	686	687	689	690	695	**696**	**696**	696	696	693	688	685	681	687

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

32. Lerwick. **July, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			a
1	17 01	682	556	13 53	126	15 46	57·9	40·3	07 07	17·6	13 58	750	703	24 00	47	237	1	85·2
2	19 00	697	573	09 49	124	14 23	58·5	41·7	08 26	16·8	17 59	715	677	01 40	38	219	1	85·8
3	18 57	660	577	11 02	83	14 03	56·5	43·4	07 47	13·1	09 20	689	670	14 11	19	104	0	85·7
4	17 19	666	580	11 11	86	14 17	56·9	41·7	06 48	15·2	09 00	685	664	15 10	21	121	0	85·7
5	13 27	658	585	10 40	73	13 33	59·0	40·9	03 12	18·1	24 00	693	631	02 42	62	151	1	85·6
6	19 03	701	592	11 11	109	15 02	56·0	41·5	04 20	14·5	19 50	713	683	03 15	30	166	1	85·8
7	17 02	667	573	09 23	94	15 12	58·3	42·1	08 27	16·2	13 35	712	669	01 05	43	154	1	85·9
8	18 14	658	563	06 40	95	13 59	55·6	41·1	04 10	14·5	16 37 & 16 59	676	651	07 25	25	135	1	86·3
9	21 14	654	585	10 31	69	13 21	54·2	41·9	07 23	12·3	21 00	677	662	03 43	15	77	0	86·8
10	17 50	664	580	09 45	84	11 53	55·2	42·8	05 02	12·4	24 00	710	675	00 01	35	111	0	88·1
11	16 06	669	597	09 30	72	13 33	53·1	43·0	06 27	10·1	16 52	739	710	00 01	29	79	1	89·1
12	17 18	655	603	09 35	**52**	15 01	53·5	44·2	08 12	**9·3**	00 00	725	703	24 00	22	48	0	88·8
13	18 47	658	599	09 23	59	14 21	54·2	42·3	07 01	11·9	19 30	711	685	14 30	26	68	0	88·2
14	18 35	648	594	09 37	54	13 22	55·0	42·3	05 58	12·7	08 50	705	679	23 30	26	65	0	87·9
15	17 41	636	573	10 37	63	13 06	57·1	41·1	07 46	16·0	17 05	681	650	12 18	31	96	0	87·7
16	16 07	646	577	01 20	69	12 40	55·2	41·3	06 02	13·9	05 25	692	672	14 25	20	86	0	87·9
17	17 20	660	547	06 13	113	06 30	64·3	42·1	02 20	22·2	16 40	733	635	07 10	98	312	1	87·9
18	18 10	642	574	09 59	68	13 50	54·6	38·8	07 12	15·8	07 10	705	691	15 10	**14**	93	0	87·9
19	15 39	679	585	12 13	94	14 50	60·6	41·5	06 56	19·1	17 41	729	683	14 53	46	175	1	87·8
20	19 18	672	558	11 38	114	23 39	58·7	41·1	07 43	17·6	18 43	719	662	23 59	57	219	1	87·8
21	21 10	717	528	23 43	189	23 34	55·8	31·6	21 56	24·2	10 40	705	583	23 48	122	612	1	87·9
22	15 38	**1090**	**<143**	Between 02.05 & 03.37 & 05.50 & 06.20	**>947**	02 42	**103·1**	**—12·6**	02 49	**115·7**	15 38	**883**	**103**	03 05	**780**	17473	2	87·3
23	18 11	662	507	10 53	155	22 30	55·0	42·5	10 31	12·5	11 05	745	676	23 05	69	316	1	87·1
24	19 42	647	557	10 23	90	13 08	54·6	41·1	08 03 & 08 42	13·5	14 54	731	687	02 49	44	133	1	87·4
25	20 22	649	553	05 09	96	13 41	54·4	39·4	07 36	15·0	00 01	713	689	24 00	24	139	1	87·4
26	23 20	649	558	10 09	91	13 58	54·4	42·8	04 20	11·6	09 00	705	634	23 40	71	157	1	87·4
27	19 04	679	553	09 58	126	14 20	56·5	37·2	04 01	19·3	20 21	733	635	00 04	98	322	1	87·4
28	19 01	621	569	11 00	**52**	13 20	55·6	37·8	08 03	17·8	10 00	697	668	03 30	29	93	0	87·3
29	22 59	623	567	11 28	56	13 31	57·7	42·6	06 48	15·1	05 17	684	655	12 00 to 13 20	29	81	0	87·0
30	19 46	651	569	11 47	82	13 18	55·0	43·6	05 18	11·4	15 37	666	644	12 20	22	95	1	86·8
31	17 42	648	554	08 40	94	13 13	54·8	42·3	05 32	12·5	18 15	677	640	09 33	37	130	1	86·7
Mean.	—	674	556	—	119	—	57·8	39·5	—	18·3	—	713	647	—	65	718	0·65	87·1
No. of Days	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* p. 31.

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 centred at the Hours of Greenwich Mean Time.

33. Lerwick. (H.) 14,000 γ (·14 C.G.S. unit) + **August, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	607	605	600	604	608	607	598	595	590	589	587	589	589	595	608	645	666	661	641	653	633	605	572	565	590	608
2	590	597	598	599	607	610	577	572	584	579	579	581	580	586	599	600	625	612	638	644	632	624	625	626	619	603
3	619	606	589	573	569	595	590	594	593	583	583	577	573	588	595	601	614	620	623	628	630	623	620	610	612	600
4	612	605	593	602	611	611	603	603	597	592	585	573	580	599	616	637	651	645	638	631	619	619	618	619	614	611
5	614	612	606	608	606	607	607	602	588	576	571	575	575	598	627	633	627	678	673	660	634	618	609	615	602	613
6 Q	602	609	611	615	609	607	608	602	597	596	597	598	597	603	607	616	621	617	621	628	634	629	624	619	618	611
7 Q	618	617	613	613	612	615	607	610	607	595	592	593	598	600	610	619	626	626	631	631	624	622	623	621	619	613
8	619	618	620	619	616	609	604	604	602	598	593	593	599	603	615	624	621	640	639	642	630	624	622	619	617	615
9	617	615	618	621	618	622	609	593	604	609	604	601	604	613	619	620	623	624	625	623	624	623	623	621	619	616
10	619	619	618	617	615	608	603	607	609	603	595	589	595	608	627	624	619	627	639	640	640	626	628	621	614	**616**
11	614	601	616	614	617	616	614	603	606	600	596	592	591	589	592	599	604	627	645	640	637	633	621	620	620	612
12	620	620	617	617	616	620	625	613	604	597	588	576	574	584	601	614	627	621	624	625	628	625	618	613	612	611
13 Q	612	609	609	609	609	610	607	599	591	583	579	575	579	587	598	604	611	620	624	623	622	617	614	612	610	604
14	610	608	607	607	607	606	603	597	588	579	577	574	576	587	595	597	609	622	629	630	625	622	617	623	615	604
15	615	609	603	604	615	616	613	600	585	574	563	565	569	578	598	610	611	619	623	623	623	620	621	620	623	603
16	623	601	611	615	615	610	599	585	566	571	566	571	577	584	593	606	606	612	619	620	618	614	613	612	612	600
17	612	607	609	607	606	604	600	593	580	561	558	561	573	586	600	611	617	624	621	620	620	620	617	620	614	601
18	614	609	611	608	607	605	601	593	583	564	557	564	583	597	607	615	616	617	617	623	623	624	619	617	616	603
19 D	616	614	610	608	608	609	609	604	588	580	573	569	551	565	606	619	619	623	626	632	636	638	631	625	619	607
20 D	619	620	622	586	587	606	607	518	538	544	537	556	572	650	609	613	679	692	696	685	654	562	474	172	172	574
21 D	172	172	190	211	539	596	618	608	511	560	557	583	578	587	593	595	610	667	689	649	616	590	563	576	558	**534**
22	558	539	539	542	552	575	577	572	566	555	563	572	581	589	610	621	635	629	613	624	621	618	599	592	585	586
23	585	577	579	579	585	587	588	583	573	566	561	567	579	585	592	604	613	626	613	611	611	611	613	595	593	591
24	593	593	592	589	597	598	592	580	572	560	554	560	574	579	590	597	600	612	608	618	616	615	606	605	604	592
25 Q	604	601	603	601	599	597	591	579	571	567	569	570	571	579	589	593	599	603	603	606	609	612	608	599	599	593
26 Q	599	604	599	599	597	592	593	592	583	568	561	563	567	577	581	587	596	599	607	611	606	605	605	606	606	592
27	606	604	602	601	601	601	601	597	587	579	570	568	572	587	586	592	600	608	608	612	613	612	610	607	603	597
28	603	598	601	603	604	602	598	592	585	582	577	574	575	588	596	600	598	600	605	608	610	609	608	607	608	597
29 D	608	607	601	588	591	601	598	596	594	587	582	602	595	599	634	595	609	666	704	710	639	620	627	595	583	614
30 D	583	594	595	596	605	595	551	480	476	499	504	525	565	*	—	—	—	*	622	602	605	603	602	593	544	*
31	544	582	584	583	596	595	588	563	556	556	550	565	582	583	583	595	613	640	647	627	610	602	596	596	595	590
Mean†	591	589	589	588	601	605	601	592	583	578	**574**	577	580	592	603	609	619	629	**633**	633	625	616	608	595	592	600

MAGNETIC DECLINATION (WEST).

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

34. Lerwick. (D.) 14° + **August, 1927.**

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

* Light failed. † Mean of 30 days; 30th omitted.

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

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

35. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **August, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	655	652	650	651	654	656	656	656	656	662	662	658	657	656	656	661	679	706	716	704	700	685	651	592	627	663
2	627	645	648	635	643	659	663	633	633	644	655	655	654	654	660	675	686	711	702	703	692	683	675	673	663	664
3	663	617	620	605	603	623	635	643	659	668	672	676	676	673	674	674	675	678	678	678	680	679	678	678	673	659
4	673	669	656	633	640	658	673	677	681	692	695	692	691	691	698	707	706	711	710	708	707	701	700	682	661	685
5	661	670	681	688	691	698	699	701	701	707	711	713	712	737	774	800	800	796	816	804	772	771	761	723	724	734
6 Q	724	731	739	742	749	751	749	757	759	763	764	759	758	761	762	760	759	762	764	765	765	765	765	765	764	757
7 Q	764	762	760	759	763	763	765	761	762	769	768	765	767	764	766	766	767	767	768	769	769	766	767	768	770	765
8	770	769	769	769	770	773	772	768	770	782	784	782	782	781	780	784	789	787	797	797	795	793	791	786	784	**781**
9	784	784	783	780	775	762	761	761	752	754	758	762	766	767	769	771	770	770	769	768	767	769	769	770	768	768
10	768	769	767	766	765	765	760	755	749	746	747	745	746	744	747	762	767	763	760	755	755	754	754	751	748	756
11	748	724	705	719	731	738	742	738	737	737	737	736	735	734	735	741	742	742	741	750	758	751	739	738	736	737
12	736	735	728	729	728	727	723	723	723	721	729	727	728	727	729	736	743	751	745	735	729	725	725	721	719	730
13 Q	719	720	721	721	720	719	719	718	717	714	711	709	706	704	706	713	714	714	712	711	708	704	701	692	693	712
14	693	691	690	693	699	703	704	704	705	704	703	701	699	696	696	700	701	704	709	713	718	716	714	693	688	702
15	688	696	696	677	678	693	694	697	694	691	690	684	679	674	672	678	680	681	680	679	677	676	674	664	624	682
16	624	648	648	656	662	666	669	670	671	664	663	656	653	653	656	660	661	661	660	660	661	660	659	658	657	659
17	657	639	637	645	654	657	663	663	663	671	668	660	653	650	651	654	659	660	667	671	671	666	660	657	656	**658**
18	656	655	655	656	663	669	670	671	670	670	663	660	656	659	664	666	667	666	667	667	669	672	672	672	672	665
19 D	672	671	671	671	670	671	671	675	675	673	669	669	675	666	665	668	673	675	675	673	674	673	673	663	663	671
20 D	663	671	670	661	653	641	651	687	675	668	683	703	733	766	758	737	746	782	776	781	771	618	581	518	517	688
21 D	517	543	616	470	629	695	715	725	737	747	754	771	745	741	744	744	748	757	757	757	760	734	699	697	701	704
22	701	690	693	692	695	704	714	722	727	738	742	739	735	734	737	736	735	733	730	726	724	723	719	716	713	721
23	713	705	702	701	703	703	705	711	713	714	715	715	714	715	715	715	715	715	713	710	709	707	702	700	698	709
24	698	689	688	693	697	699	701	703	705	708	706	703	702	701	702	701	701	699	700	698	700	697	694	693	690	699
25 Q	690	694	697	699	700	700	701	703	703	704	703	701	701	698	699	703	703	703	703	702	702	700	703	702	701	701
26 Q	701	692	691	693	697	699	697	696	695	693	693	692	694	696	698	700	701	702	703	703	705	704	701	697	694	697
27	694	696	705	709	710	710	710	708	707	702	700	699	697	701	711	712	712	711	712	712	713	716	717	713	716	708
28	716	709	709	719	721	727	728	728	727	727	725	724	724	727	736	744	747	744	739	737	736	732	729	729	726	729
29 D	726	716	711	692	648	668	687	695	694	732	741	736	744	774	779	774	755	783	852	838	803	784	759	746	726	743
30 D	726	705	714	724	724	725	702	663	667	692	731	763	794	801	782	757	751	811	838	792	771	754	731	714	669	742
31	669	660	685	692	698	710	719	721	725	722	727	721	711	710	714	715	729	748	748	743	729	715	713	713	715	715
Mean.†	692	690	693	**687**	694	700	704	706	706	710	712	710	710	712	715	719	721	726	**729**	727	724	715	708	699	696	709

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

36. Lerwick. **August, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100 y^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			*a*
1	16 29	685	484	22 38	201	12 28	52·4	38·9	22 51	13·5	17 34	722	568	22 42	154	674	1	86·9
2	19 36	651	545	06 33	106	06 29	57·8	42·7	00 31	15·1	16 50	713	619	07 16	94	242	1	87·4
3	19 56	635	525	03 49	110	00 16	55·7	41·0	00 41	14·7	20 30	680	596	03 25	84	230	1	87·8
4	16 09	675	568	11 29	107	01 59	58·0	41·0	07 21	17·0	16 40	714	628	02 35	86	240	1	88·0
5	17 40	692	563	10 02	129	13 57	56·8	42·7	05 50	14·1	17 59	821	661	00 17	160	458	1	88·4
6	20 20	639	593	10 29	46	14 52	53·4	42·9	07 51	10·5	17.50 to 20.52, 21.10 to 23.20	765	725	00 03	40	57	0	88·6
7	18 58	638	588	10 42	50	12 33	53·4	44·9	04 39	**8·5**	23 59	771	759	01.20 & 02.56	**12**	39	0	88·6
8	18 37	662	587	10 04	75	12 47	56·8	41·2	18 32	15·6	19 16	799	768	07 00	31	109	0	88·8
9	18 12	631	590	06 48	41	12 23	54·3	45·1	05 48	9·2	00 00	784	751	08 00	33	43	0	88·5
10	19 47	646	583	11 16	63	13 01	54·5	41·4	05 23	13·1	00 00	769	744	12.30 to 13.20	25	77	0	88·1
11	18 42	654	583	12 28	71	12 04	53·8	43·0	04 02	10·8	19 35	765	703	01 40	62	110	0	88·1
12	16 13	633	570	11 59	63	13 38	54·9	42·2	07 35	12·7	16 47	756	716	08 40	40	85	0	87·6
13	18 30	627	574	10 40	53	13 14	56·3	42·6	06 28	13·7	02 00	722	691	22 44	31	71	0	86·8
14	18 47	640	571	11 10	69	13 11	56·5	42·4	07 25	14·1	20 03	719	679	23 23	40	100	0	86·2
15	18 41	632	560	10 25	72	23 11	57·8	37·6	06 10	20·2	01 00	699	615	23 43	84	196	0	86·1
16	18 45	623	554	08 06	69	13 10	55·3	39·9	07 31	15·4	08 04	673	622	00 03	51	116	0	85·8
17	20 55	631	555	09 47	76	13 03	55·9	40·3	23 52	15·6	19 20	673	630	01 22	43	120	0	85·8
18	21 00	627	545	09 25	82	13 13	52·8	41·8	00 01	11·0	22 10	673	653	00 40	20	93	0	85·8
19	21 25	646	527	12 11	119	12 40	60·3	38·3	23 23	22·0	22 12	681	652	23 15	29	237	1	86·2
20	17 47	717	**<172**	Between 22.30 & 23.54	**>545**	23 33	**100·3**	16·5	23 06	**83·8**	17 48	846	**393**	23 19	453	6290	2	86·3
21	07 56	737	**<172**	Between 00.11 & 03.13	**>565**	18 12	67·3	**−2·4**	01 35	69·7	01 34	**906**	426	00 38 & 03 10	**480**	6372	2	86·2
22	16 28	653	521	00 53	132	12 55	54·2	40·1	20 45	14·1	10 02	743	684	01.18 & 02.31	59	245	1	86·3
23	16 38	640	559	09 49	81	12 51	55·7	42·2	07 18	13·5	From 13.20 to 13.50	715	695	22 30	20	102	0	86·4
24	16 58	624	550	10 34	74	12 49	54·6	40·3	07 33	14·3	09 20	709	685	01 41	24	98	0	86·3
25	21 03	614	565	08 52	49	12 10	55·3	41·8	07 45	13·5	15.20 to 15.40 and 22.20 to 23.20	704	689	00 01	15	59	0	85·9
26	19 06	613	560	10 16	53	13 11	54·4	43·2	07 11	11·2	19 48	706	687	01 30	19	55	0	85·9
27	20 04	615	561	11 33	54	12 57	58·0	41·0	07 41	17·0	21 42	720	692	00 01	28	89	0	85·9
28	19 40	611	571	11 33	**40**	13 05	56·5	41·4	06 33	15·1	16 02	749	701	01 30	48	80	0	86·1
29	18 47	**761**	560	13 09	201	13 09	61·9	33·3	04 48	28·6	18 40	866	634	03 40	232	1091	1	86·1
30	Between 13.43 & 18.02	>640	465	06 53	>175	06 04	61·9	<40·3	18 04	>21·6	17 59	859	656	06 49	203	803	1	85·8
31	17 36	662	507	00 10	155	00 01	56·9	39·9	20 12	17·0	17 28	760	616	00 23	144	499	1	85·9
Mean.	—	650	530	—	120	—	57·9	39·0	—	18·9	—	748	656	—	92	616	0·45	86·9
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

† Mean of 30 days; 30th omitted.

§For explanation *see* p. 31.

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 centred at the Hours of Greenwich Mean Time.

37. Lerwick. (H.) 14,000 γ (·14 C.G.S. unit) + **September, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	597	592	594	594	589	573	578	585	580	573	571	579	584	602	624	708	675	677	618	600	603	604	591	598	600	604
2	600	599	594	592	593	600	598	590	579	567	557	550	557	573	596	612	617	606	607	612	613	612	611	606	603	593
3	603	602	606	603	603	600	595	586	581	577	577	574	571	588	595	601	590	601	622	622	622	609	599	608	609	597
4 D	609	596	563	573	602	603	601	583	556	548	557	571	590	615	616	634	655	695	675	623	604	606	617	605	607	604
5	607	606	604	610	610	602	591	582	565	574	585	579	578	582	587	598	605	611	613	615	618	612	608	607	608	598
6 D	608	608	607	606	606	606	607	605	600	591	589	588	586	583	589	614	616	637	626	635	635	635	629	626	623	**610**
7 D	623	623	623	616	611	604	610	610	590	585	578	590	578	588	604	598	590	601	615	630	638	611	606	604	597	605
8	597	592	610	610	610	611	605	592	578	579	586	591	588	613	591	611	610	610	610	613	618	621	624	623	644	605
9 D	644	598	590	590	594	605	606	598	587	577	571	580	591	600	581	597	610	601	629	648	598	578	583	595	571	596
10 D	571	583	590	589	587	599	595	577	582	583	582	582	589	600	626	615	615	629	616	643	609	571	589	575	576	596
11	576	583	595	594	595	595	588	582	583	579	575	575	574	585	589	609	622	625	634	621	608	608	613	597	597	596
12	597	599	594	600	599	599	594	597	589	580	573	569	574	585	595	600	605	611	619	611	607	609	606	599	599	596
13	599	601	597	597	605	585	600	597	579	570	566	573	573	591	585	599	613	618	616	617	623	604	603	588	581	595
14	581	585	593	586	592	597	591	590	585	573	571	569	569	577	590	600	601	605	607	610	603	616	629	578	591	**592**
15	591	584	572	591	604	593	591	593	584	575	566	572	578	591	602	599	615	612	606	606	601	605	604	605	601	594
16 Q	601	598	600	599	599	599	600	598	593	585	579	575	580	582	587	595	600	602	603	608	611	601	605	602	602	596
17 Q	602	608	601	602	595	596	599	597	593	587	580	576	577	582	592	591	592	599	615	610	605	603	603	603	603	596
18	603	602	601	601	598	600	599	600	598	589	587	586	588	589	593	596	603	599	603	608	611	614	612	601	604	599
19	604	607	600	603	599	603	605	605	598	588	585	580	580	584	581	589	599	607	609	615	610	608	607	608	605	599
20	605	605	604	606	607	607	607	606	599	595	589	587	589	592	593	607	609	611	615	616	607	609	609	608	603	603
21	603	606	605	606	606	606	606	601	595	594	592	586	587	591	592	597	603	608	614	617	615	619	613	610	616	603
22 Q	616	614	614	614	614	615	615	614	609	600	594	589	591	596	602	591	597	598	605	613	613	601	602	609	605	605
23 Q	605	605	606	605	605	605	604	596	585	574	572	574	580	587	597	607	607	609	606	611	612	616	617	611	611	600
24 Q	611	610	610	614	613	611	611	607	592	575	575	569	576	584	591	590	604	606	610	612	613	610	610	612	617	601
25	617	617	610	609	607	606	609	612	603	587	579	574	578	580	600	599	596	613	621	633	608	614	616	614	605	604
26	605	605	564	544	615	627	614	609	593	580	568	557	575	584	594	605	603	626	615	617	614	607	614	612	606	598
27	606	606	606	605	608	608	610	606	596	582	578	577	587	597	600	607	607	613	615	620	607	610	607	615	575	602
28	575	601	610	605	600	594	607	606	594	566	556	560	567	583	601	608	602	604	623	614	609	609	616	611	607	597
29	607	600	614	604	611	614	620	624	614	583	563	572	569	582	593	617	617	615	612	607	606	603	600	592	549	600
30	549	616	615	616	615	609	608	611	604	590	577	577	584	586	585	610	617	621	610	598	595	584	595	603	593	600
Mean.	600	602	600	599	603	602	602	599	589	580	**576**	576	580	589	596	607	610	616	616	**617**	611	607	608	604	600	599

MAGNETIC DECLINATION (WEST).

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

38. Lerwick. (D.) 14° + **September, 1927.**

Hour. G.M.T.	0.	1.	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	47·8	48·0	49·7	46·3	46·4	50·5	53·6	48·6	46·3	48·0	49·9	52·8	54·4	56·1	53·6	45·1	46·4	43·9	46·1	48·0	49·1	48·0	47·6	47·4	48·2	48·9
2	48·2	46·4	47·0	44·3	43·7	43·9	42·4	42·2	42·6	45·9	48·8	52·0	55·1	55·3	53·8	51·5	47·6	46·8	48·2	49·3	49·5	49·5	48·8	48·2	47·8	47·9
3	47·8	46·1	43·9	44·1	44·3	44·3	44·5	46·1	48·4	48·2	51·7	53·0	53·8	53·6	51·9	51·1	49·7	48·2	48·2	48·8	44·5	48·0	48·0	44·1	45·7	48·0
4 D	45·7	42·2	40·7	46·4	41·8	44·1	45·1	45·9	45·5	48·2	50·5	52·4	55·3	53·8	55·7	52·0	49·5	44·3	44·3	46·3	49·0	44·1	42·4	43·7	42·2	47·0
5	42·2	46·1	47·0	45·5	44·3	46·1	48·2	47·6	46·1	49·7	49·9	51·3	51·9	52·0	51·9	51·5	51·1	50·9	51·3	50·7	50·1	49·1	48·8	48·0	46·8	48·9
6 D	46·8	46·3	46·4	46·4	46·1	46·1	45·3	34·5	34·1	45·1	46·1	48·2	51·1	53·2	53·6	53·6	52·6	55·1	54·9	52·6	52·0	51·7	49·1	49·3	47·4	48·4
7 D	47·4	47·8	46·3	45·9	45·7	44·3	44·3	42·2	38·3	46·1	46·8	49·9	50·3	52·8	55·5	54·0	52·0	49·3	48·2	45·9	32·9	42·4	44·3	42·2	40·5	46·3
8	40·5	42·0	42·6	43·7	45·9	45·3	43·6	40·8	45·9	47·8	50·3	51·1	53·0	57·6	58·0	57·0	54·9	51·0	49·3	48·9	48·9	48·3	48·1	46·0	41·4	48·4
9 D	41·4	36·0	34·0	38·3	41·0	42·5	44·8	43·5	45·0	49·3	54·5	56·4	56·0	56·4	55·7	52·8	51·2	48·9	45·4	31·9	37·5	43·5	41·2	51·0	55·8	**46·1**
10 D	55·8	42·9	43·3	45·4	46·8	46·4	50·6	49·9	46·8	47·2	50·8	52·8	53·7	54·7	54·9	49·1	49·1	51·4	52·8	47·2	48·7	49·5	50·8	41·2	41·9	**49·0**
11	41·9	53·1	43·3	42·9	43·3	43·5	43·7	45·2	43·5	43·5	45·4	50·8	53·1	55·8	54·7	51·0	49·7	48·3	39·1	46·2	47·5	45·6	39·6	41·4	43·7	46·4
12	43·7	45·2	45·4	45·4	45·2	44·5	43·9	43·5	43·7	45·4	48·9	52·2	53·7	55·1	54·9	52·6	49·5	46·6	46·8	47·5	47·5	48·1	47·9	49·5	45·6	47·8
13	45·6	45·2	45·4	47·2	47·4	51·2	47·4	43·3	45·2	45·2	49·1	51·0	52·8	55·3	53·1	51·0	50·2	49·5	47·7	47·0	44·8	42·9	40·8	43·1	46·0	47·6
14	46·0	49·5	45·2	45·4	47·2	46·2	46·0	44·1	43·7	45·2	47·7	50·8	52·0	53·0	53·9	53·0	51·0	49·5	49·3	49·1	48·9	48·3	37·3	37·1	43·5	47·4
15	43·5	45·2	50·8	47·9	42·9	44·5	43·5	44·1	43·1	43·3	47·0	47·5	51·6	54·9	56·6	52·8	51·0	46·0	50·1	49·9	49·1	47·2	45·4	47·0	46·6	47·8
16 Q	46·6	47·9	47·4	46·8	47·0	45·4	45·2	43·7	43·9	45·6	47·9	50·6	54·5	56·8	54·9	53·0	51·0	49·5	49·1	49·1	47·2	45·2	46·8	47·2	47·4	48·4
17 Q	47·4	47·4	46·2	43·7	45·4	45·6	45·0	43·5	43·3	43·1	43·7	46·8	49·1	51·0	53·0	51·8	51·0	49·3	43·3	44·8	48·5	48·3	47·4	47·0	47·0	46·9
18	47·0	45·8	46·4	47·4	45·2	44·8	44·3	43·7	43·5	44·8	45·6	47·9	51·0	52·8	53·1	52·8	51·6	50·8	49·5	47·9	48·1	44·3	42·7	43·3	47·2	47·3
19	47·2	42·7	41·4	40·2	43·3	45·0	44·8	44·8	44·5	44·3	45·2	47·5	51·0	54·3	52·8	52·2	50·8	49·3	48·7	48·9	47·2	47·2	47·4	47·0	46·8	47·0
20	46·8	45·4	45·6	44·3	43·5	44·5	43·7	43·1	43·3	45·0	45·8	48·5	50·8	53·9	54·3	54·5	51·8	49·5	46·8	41·4	45·6	47·2	46·0	43·1	44·8	46·8
21	44·8	45·2	44·1	45·6	46·2	45·4	43·3	49·3	50·8	45·2	47·0	48·9	50·8	51·2	50·8	49·9	49·7	49·3	49·1	49·1	48·7	48·5	45·2	46·8	45·4	47·7
22 Q	45·4	45·6	45·4	45·2	45·2	45·2	45·2	44·8	44·8	45·2	47·4	50·6	52·2	52·8	52·4	51·0	50·4	49·3	49·1	48·3	44·3	45·0	47·2	47·0	47·4	47·5
23 Q	47·4	47·5	47·4	47·0	46·6	46·2	45·6	44·8	43·7	43·9	46·8	49·7	52·2	51·6	50·8	50·2	49·7	49·9	49·1	49·1	48·9	48·9	47·0	45·2	47·2	47·9
24 Q	47·2	47·2	46·8	46·2	45·6	47·2	47·2	44·7	44·8	45·4	47·2	49·1	52·8	53·1	53·0	51·0	49·1	47·4	47·0	47·2	47·4	47·0	47·2	47·4	47·2	47·8
25	47·2	45·6	46·4	45·6	45·8	45·6	46·0	45·4	44·8	45·0	48·7	51·4	54·9	55·3	54·3	51·2	49·3	48·5	47·4	37·3	41·6	47·0	41·6	32·1	41·2	46·5
26	41·2	41·4	37·3	49·1	41·4	43·7	43·5	45·2	46·4	47·2	50·2	52·8	54·9	55·3	56·6	54·3	47·4	49·5	45·6	43·5	42·9	46·0	45·0	45·6	46·6	47·0
27	46·6	46·6	46·8	46·6	46·4	45·6	45·0	43·7	43·3	45·0	47·2	49·7	53·0	53·5	52·0	51·0	49·1	45·4	42·1	36·0	43·3	44·5	41·4	46·0	45·0	46·2
28	45·0	47·2	45·4	45·2	45·4	47·0	48·7	43·7	43·3	46·8	49·3	53·0	56·6	57·2	55·8	53·0	51·4	48·9	42·5	43·3	43·5	45·0	45·6	42·3	43·3	47·7
29	43·3	43·3	51·4	45·2	43·5	43·9	43·7	43·7	43·7	43·9	47·0	50·8	55·1	57·2	57·2	56·6	49·5	47·2	46·4	47·7	46·4	44·1	39·4	41·2	44·3	47·2
30	44·3	48·9	46·8	45·0	45·0	45·0	44·8	43·1	41·8	43·5	45·4	48·1	51·0	53·1	53·1	53·1	49·3	43·9	47·5	46·2	42·5	44·5	41·6	44·3	45·0	46·3
Mean.	45·7	45·7	45·2	45·3	44·9	45·5	45·4	44·3	**44·1**	45·7	48·1	50·6	52·9	**54·3**	54·1	52·1	50·2	48·6	47·5	46·3	46·2	46·6	45·1	44·8	45·6	47·5

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

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

39. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **September, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	715	714	705	710	713	709	698	701	718	727	733	734	738	747	770	817	821	805	794	776	763	753	735	694	713	741
2	713	728	732	733	742	745	753	754	755	762	762	763	761	760	767	781	800	802	787	778	773	771	771	771	768	762
3	768	761	760	763	766	770	771	770	768	765	765	764	765	763	766	776	780	770	768	772	778	775	766	748	745	767
4 D	745	728	703	700	709	732	740	749	758	772	778	792	787	809	810	848	870	884	864	825	807	794	766	757	748	780
5	748	736	746	765	767	768	763	768	776	785	786	789	790	792	793	791	791	792	792	792	790	792	794	795	795	780
6 D	795	797	797	797	798	800	800	801	799	798	796	796	795	794	797	798	800	797	797	798	799	800	800	803	803	798
7 D	803	798	780	779	763	766	778	787	798	793	797	796	826	817	811	821	821	818	818	821	826	807	806	794	774	800
8	774	757	766	784	795	797	800	804	807	802	799	799	804	810	833	843	841	835	833	833	833	841	842	841	791	**812**
9 D	791	728	733	771	793	806	814	820	820	817	814	812	812	821	833	827	840	845	842	852	829	800	771	784	749	806
10 D	749	714	752	754	754	769	781	792	805	807	804	800	800	803	818	849	856	843	838	819	827	772	667	706	736	786
11	736	718	748	771	778	785	786	785	784	786	787	786	787	788	796	799	805	810	814	809	803	793	764	748	758	782
12	758	764	760	765	773	774	777	777	774	773	773	771	771	771	771	775	780	781	781	780	777	773	771	759	749	772
13	759	753	758	760	752	743	740	749	752	751	747	748	750	751	760	763	768	774	781	773	759	757	739	716	717	753
14	717	712	719	736	736	733	740	748	750	750	748	746	745	743	741	742	744	744	743	741	743	736	696	672	687	734
15	687	689	659	673	682	689	696	700	705	712	712	713	711	708	709	719	728	734	737	736	736	734	732	727	725	710
16 Q	725	723	721	723	724	726	728	729	729	729	727	724	722	723	723	724	727	729	730	731	732	740	732	732	732	727
17 Q	732	720	720	722	727	728	731	734	736	735	735	736	735	736	737	744	750	751	751	750	748	745	742	741	739	737
18	739	737	734	725	720	724	726	727	728	731	731	728	728	725	725	726	726	727	726	727	728	730	727	724	708	727
19	708	696	693	683	696	704	708	708	713	716	715	715	716	715	717	713	712	712	713	714	717	719	719	718	718	710
20	718	717	717	713	713	713	711	708	705	695	696	695	695	698	700	700	708	721	728	731	722	719	715	712	709	710
21	709	704	702	702	704	703	705	703	696	691	691	692	694	693	694	695	695	695	695	696	697	691	696	696	696	697
22 Q	696	689	694	693	693	694	693	694	693	691	691	690	687	686	686	689	693	697	695	693	694	694	694	691	691	692
23 Q	691	691	692	692	692	692	692	693	692	690	686	685	685	685	685	686	687	689	690	689	688	688	688	689	690	689
24 Q	690	691	691	691	691	691	690	690	690	691	691	692	692	696	700	701	702	706	705	705	703	702	700	699	694	696
25	694	689	691	696	697	699	697	695	697	697	696	696	697	700	704	714	713	712	712	708	702	703	697	657	665	698
26	665	664	635	603	635	656	668	677	683	695	696	699	705	706	709	716	724	723	725	724	719	716	712	704	705	691
27	705	708	709	710	710	710	710	709	709	704	702	701	700	701	700	700	702	703	707	707	705	700	695	672	652	702
28	652	655	662	671	677	675	670	673	675	681	682	682	680	680	682	688	695	697	695	690	687	680	677	671	665	**678**
29	665	663	650	645	649	655	657	659	660	668	675	675	675	679	688	708	736	728	724	717	714	711	685	657	654	681
30	654	657	672	675	679	683	684	685	686	687	688	687	686	687	690	693	709	737	742	743	744	725	711	705	701	697
Mean.	723	**717**	**717**	720	724	728	730	733	735	737	737	737	738	740	744	752	757	**759**	758	754	751	745	734	726	723	737

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

40. Lerwick. **September, 1927.**

Day.	Terrestrial Magnetic Elements.																		Character Figure $\frac{\Sigma R^2}{100\gamma^2}$§	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+.
	Horizontal Force.					Declination.					Vertical Force.										
	Maximum 14,000 γ +		Minimum 14,000 γ +		Range.	Maximum 14° +		Minimum 14° +		Range.	Maximum 46,000 γ +		Minimum 46,000 γ +		Range.						
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ						
1	15 22	**820**	559	05 33	**261**	12 52	57·4	28·1	15 21	29·3	15 19	857	684	22 57	173	1137	1	85·9			
2	15 28	626	541	11 22	85	12 05	55·5	41·6	06 44	13·9	16 46	807	714	00 01	93	194	0	85·9			
3	18 48	630	561	11 18	69	11 54	54·6	39·5	20 03	15·1	15 52	783	744	23 32	39	104	0	85·8			
4	16 50	715	537	02 23	178	10 13	58·4	27·7	18 36	30·7	16 41	**922**	693	02 21	229	1010	1	86·2			
5	19 35	621	554	07 59	67	12 26	52·6	40·1	00 05	12·5	23 19	798	735	01 15	63	113	0	86·4			
6	16 46	688	569	11 57	119	17 19	56·3	42·4	08 14	13·9	16 42	811	790	16 48	21	181	1	86·7			
7	20 04	664	558	12 09	106	14 41	56·9	23·1	19 58	33·8	19 49	840	749	04 32	91	403	1	87·3			
8	23 33	662	558	13 39	104	13 47	60·3	37·9	00 08	22·4	20 07	845	749	01 29	96	291	1	87·0			
9	19 07	681	556	09 33	125	13 45	57·8	**20·1**	19 01	37·7	18 58	869	712	01 20	157	659	1	86·2			
10	21 29	686	530	22 11	156	21 53	**70·7**	29·8	22 21	**40·9**	15 26	860	600	22 08	**260**	1222	1	85·9			
11	18 05	652	570	00 24	82	00 35	59·1	33·6	17 50	25·5	17 41	819	702	00 52	117	321	1	85·2			
12	17 42	624	564	10 50	60	13 39	55·7	43·1	06 51	12·6	18 30	783	741	23 32	42	83	0	85·1			
13	19 41	636	564	10 17	72	13 10	56·8	38·9	22 23	17·9	17 31	790	709	22 59	81	175	1	84·1			
14	21 28	673	565	23 09	108	13 56	55·1	29·8	21 59	25·3	08 29	751	664	23 02	87	309	1	83·4			
15	15 47	624	554	10 30	70	13 39	57·0	40·8	03 56	16·2	17 50	743	652	01 59	91	179	1	83·1			
16	21 30	619	573	10 37	46	12 38	58·0	41·2	20 27	16·8	21 03	743	719	01 50	24	77	0	82·9			
17	18 23	625	571	11 12	54	14 11	53·5	39·4	18 14	14·1	17 50	753	715	01 10	38	80	0	82·8			
18	21 29	623	584	11 15	39	13 54	53·9	39·6	21 22	14·3	00 04	741	705	23 59	36	65	0	82·4			
19	19 31	619	576	13 35	43	12 59	54·9	38·5	03 15	16·4	20 50	720	677	03 01	43	86	0	81·8			
20	19 04	622	583	11 36	39	13 48	55·7	37·5	18 45	18·2	18 33	738	694	09 10	44	94	0	81·9			
21	20 35	625	582	11 02	43	07 19	53·1	41·6	06 21	11·5	00 01	706	686	23 59	20	47	0	81·7			
22	19 27	623	585	10 25	**38**	12 53	53·0	42·7	19 44	10·3	17 15	698	686	00 01	12	35	0	81·4			
23	22 08	621	568	09 56	53	12 42	52·4	43·3	08 28	**9·1**	07 30	694	684	12 30 & 13 30	**10**	44	0	81·3			
24	23 56	623	564	11 29	59	12 19	54·1	43·9	07 13	10·2	17 20	708	689	06 40	19	57	0	81·4			
25	19 12	655	564	12 22	91	12 11	55·5	24·2	22 50	31·3	15 35	717	646	23 08	71	310	1	81·9			
26	22 22	643	**491**	02 45	152	02 35	58·5	32·3	01 50	26·2	18 20	729	**588**	02 48	141	553	1	82·3			
27	23 08	645	568	23 59	77	12 42	54·3	33·5	19 11	20·8	19 10	710	651	23 59	59	172	1	82·3			
28	18 15	643	550	10 21	93	12 45	57·6	39·4	18 30	18·2	17 50	698	651	00 11	47	168	1	81·9			
29	14 32	637	511	23 54	126	14 58	60·5	33·1	22 30	27·4	15 32	742	635	02 27	107	408	1	81·8			
30	16 41	629	531	00 01	98	13 29	54·7	39·4	00 01	15·3	18 42	747	646	00 05	101	240	1	81·8			
Mean.	—	648	558	—	90	—	56·5	36·2	—	20·3	—	771	690	—	80	294	0·57	83·8			
No. of Days used.	—	30	30	—	30	—	30	30		30	—	30	30	—	30	30	30	30			

§ For explanation *see* p. 31.

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 centred at the Hours of Greenwich Mean Time.

41. Lerwick. (H.) 14,000 γ (·14 C.G.S. unit) + **October, 1927.**

Hour. G.M.T.	0.	1.	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	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	603	607	606	603	603	604	603	599	591	572	564	564	568	577	585	596	602	606	608	609	609	611	613	613	611	597
2	611	612	613	598	603	613	613	610	601	577	569	562	571	582	598	599	606	611	608	606	609	603	529	531	568	592
3	568	547	560	585	599	607	593	599	594	587	573	567	566	567	579	592	595	599	604	604	605	604	598	599	601	588
4 Q	601	605	608	604	599	599	604	597	590	577	567	560	566	573	584	591	598	603	603	604	604	603	605	604	605	594
5	605	604	606	606	606	607	607	603	595	584	574	566	571	577	582	595	609	609	614	617	617	635	602	584	589	599
6	589	577	555	499	591	605	611	607	590	561	565	579	584	584	585	593	595	599	600	601	602	605	602	601	600	587
7	600	598	599	595	596	600	607	604	600	577	551	564	563	573	626	643	583	603	606	578	533	469	404	356	330	562
8	330	256	389	510	547	573	581	581	564	544	563	590	609	597	591	591	596	592	605	609	604	613	614	611	610	558
9	610	607	606	604	602	602	603	602	595	586	575	573	574	579	586	602	612	618	601	606	608	630	620	609	594	600
10 D	594	594	593	587	594	598	603	595	591	555	547	559	589	598	608	612	650	641	640	632	611	607	615	601	594	601
11	594	595	591	588	589	595	599	600	593	543	536	550	560	570	571	581	588	594	599	601	601	601	601	601	601	585
12 D	601	601	589	575	595	588	582	588	581	562	548	504	847	981	990	1042	1065	1045	879	558	637	678	504	219	264	**675**
13 D	264	539	474	535	552	555	541	556	564	556	561	558	567	561	640	613	672	620	574	562	566	571	573	576	574	563
14	574	567	569	569	561	562	579	585	576	567	558	549	555	567	574	582	581	585	588	594	585	588	585	586	581	575
15	581	582	582	584	587	587	586	585	581	572	566	561	566	573	584	584	588	587	590	592	593	594	597	611	578	584
16	578	585	590	589	590	591	591	594	583	578	572	565	569	571	573	583	589	591	594	593	594	597	597	592	590	586
17 Q	590	590	591	590	593	594	595	591	581	565	559	556	562	572	576	586	587	590	595	590	593	593	592	594	595	584
18	595	592	592	588	593	593	593	590	581	573	563	560	562	567	576	580	589	592	595	594	596	595	599	586	592	585
19	592	594	592	*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	606	608	605	*
20	605	605	607	609	609	612	607	607	601	593	589	589	588	594	603	609	604	616	605	605	622	611	610	612	612	605
21 Q	612	613	613	612	612	613	612	609	604	598	589	589	593	593	601	610	615	610	611	614	615	615	615	617	616	608
22 D	616	612	613	612	612	613	610	562	510	587	559	549	579	604	627	591	571	573	579	585	586	586	579	573	591	586
23 D	591	527	466	397	344	297	291	420	481	551	614	603	592	598	608	616	605	597	615	593	588	555	539	568	550	**526**
24	550	514	549	565	549	573	601	592	586	573	563	567	581	593	593	594	602	596	599	590	573	580	567	584	592	577
25	592	595	591	592	590	598	603	599	597	590	587	585	591	585	596	601	604	602	598	602	585	554	514	557	589	588
26	589	596	594	579	593	595	608	602	583	577	582	580	589	586	607	608	608	609	600	602	602	603	604	602	595	596
27	595	601	603	601	603	602	602	600	596	589	581	584	590	592	600	600	602	606	602	601	600	601	604	606	601	599
28	601	597	602	605	606	595	606	602	596	592	587	586	589	592	597	602	596	607	608	608	608	613	609	608	608	601
29	608	606	602	606	606	608	611	607	600	594	588	586	583	593	594	602	602	608	613	618	617	618	585	601	607	602
30	607	605	601	583	595	614	612	606	605	595	588	583	588	595	606	602	606	612	611	611	611	605	607	601	600	602
31 Q	600	604	601	605	607	608	612	610	602	597	593	590	595	600	600	602	604	607	612	613	613	613	614	610	605	605
Mean†	575	578	579	579	584	587	589	590	584	576	571	**569**	587	596	608	613	617	**618**	612	600	600	598	583	574	575	590

MAGNETIC DECLINATION (WEST).

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

42. Lerwick. (D.) 14° + **October, 1927.**

Hour. G.M.T.	0.	1.	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 Q	45·2	47·2	45·6	46·4	47·2	45·4	43·5	41·8	41·8	43·5	46·2	48·7	51·2	52·8	52·2	50·1	47·7	45·4	45·2	43·5	45·2	45·6	45·8	45·8	45·8	46·4
2	45·8	46·4	47·2	46·8	47·2	45·2	43·7	43·1	42·1	43·5	45·8	49·3	51·8	53·3	52·6	49·1	49·1	47·2	39·4	42·5	45·2	41·2	26·3	28·1	33·8	44·4
3	33·8	47·0	38·5	37·7	43·9	43·9	47·6	43·3	41·4	41·0	43·1	45·6	50·1	51·0	51·2	49·7	47·4	45·6	45·2	45·4	42·9	41·8	43·5	45·4	46·2	44·7
4 Q	46·2	45·6	43·5	44·1	45·2	45·8	44·1	43·3	41·8	41·6	44·5	47·7	49·9	49·9	49·5	48·9	47·4	47·0	47·0	46·2	45·8	45·8	45·2	45·4	45·4	45·9
5	45·4	45·4	45·6	45·6	45·6	45·2	44·5	42·9	41·0	41·4	44·3	48·1	51·4	53·2	53·0	52·0	52·4	53·2	51·2	49·3	46·4	30·0	38·5	35·6	24·0	45·4
6	24·0	33·8	37·5	49·1	37·7	39·6	41·2	42·5	43·5	49·3	53·2	51·2	53·2	53·5	52·8	51·0	47·7	47·2	47·0	47·0	47·0	46·6	46·2	45·8	45·8	45·8
7	45·8	46·4	46·0	45·6	45·8	44·9	44·1	45·2	45·0	45·6	45·4	49·5	54·3	55·9	51·0	50·8	51·0	49·3	42·0	41·4	37·5	25·0	24·6	18·2	23·2	43·3
8	23·2	36·2	26·5	41·8	47·7	48·1	51·2	47·4	47·6	49·1	51·4	53·2	53·0	53·0	51·0	49·7	49·1	47·6	46·6	46·4	45·8	47·2	45·6	46·0	45·2	46·5
9	45·2	44·7	44·7	44·7	45·0	44·9	43·9	42·9	41·6	41·6	43·5	45·4	47·7	49·5	50·4	50·4	50·4	51·2	53·2	48·3	47·2	49·3	46·4	42·9	41·2	46·4
10 D	41·2	43·3	43·7	44·7	44·1	44·7	44·1	42·1	40·6	40·0	45·8	49·3	51·4	51·2	55·5	55·9	49·7	50·1	49·3	39·6	39·3	37·5	39·6	41·8	43·1	45·2
11	43·0	44·2	44·9	45·5	45·5	45·5	44·6	43·6	42·0	44·0	47·5	49·2	51·3	51·1	50·0	49·4	47·5	45·7	44·9	45·1	45·1	45·3	45·3	45·1	45·1	46·1
12 D	45·1	45·3	47·5	51·5	45·3	45·5	48·8	49·0	43·8	42·2	44·2	9·6	12·5	35·7	43·2	46·1	42·0	48·2	44·9	47·3	24·3	39·0	49·2	36·5	48·8	**41·2**
13 D	48·8	41·7	44·9	46·9	43·6	42·4	43·6	39·9	41·3	39·3	42·8	45·3	49·8	53·2	59·8	58·8	52·3	53·8	51·3	49·2	46·9	45·3	44·9	44·9	45·1	47·0
14	45·1	46·9	47·1	44·6	44·9	45·5	43·8	43·6	43·0	42·8	44·9	46·1	48·4	50·0	50·9	49·2	47·5	46·9	47·1	42·6	45·1	45·3	47·1	41·5	43·6	45·8
15	43·6	42·4	41·3	43·4	44·2	43·8	44·2	44·6	44·2	45·1	47·1	49·6	51·3	51·3	51·1	49·8	48·6	47·6	47·3	45·1	45·5	45·5	45·3	41·3	39·7	45·9
16	39·7	45·1	44·2	43·6	44·6	43·6	43·6	43·4	43·4	43·2	45·1	47·5	50·3	51·3	51·1	50·9	49·2	47·5	43·4	45·1	46·5	46·9	44·6	45·1	45·7	45·9
17 Q	45·7	44·4	44·4	44·4	45·7	45·5	43·6	43·0	42·6	42·6	45·9	49·2	51·3	53·1	51·5	50·5	48·4	47·5	46·9	45·5	44·6	45·5	45·7	45·7	45·5	46·4
18	45·4	45·6	47·4	44·8	43·9	44·1	43·5	43·3	42·9	43·1	45·4	47·5	49·7	51·0	51·4	50·2	48·9	47·5	47·0	47·0	47·0	45·4	39·6	41·6	42·7	45·9
19	42·7	41·9	43·1	42·1	43·5	43·5	43·5	43·3	42·1	42·9	46·2	49·3	52·6	53·5	53·1	49·5	48·9	48·7	47·5	47·0	39·2	46·0	45·2	45·4	45·0	45·9
20	45·0	45·4	45·2	45·2	45·0	44·1	44·5	43·9	44·7	45·2	47·7	51·8	52·4	51·0	49·7	48·9	45·8	46·4	47·4	48·7	40·0	43·5	45·8	45·8	45·6	46·4
21 Q	45·6	46·4	45·6	45·2	45·0	43·9	44·5	44·1	43·9	43·9	45·6	48·5	50·8	49·9	49·7	49·3	49·1	49·3	48·9	47·5	47·2	45·6	46·4	46·4	45·6	46·8
22 D	45·6	46·8	45·4	44·3	44·7	43·3	43·5	53·7	60·7	49·3	50·4	54·9	60·7	62·6	57·0	50·8	47·2	46·4	45·4	43·9	45·4	44·8	45·2	45·0	49·5	49·1
23 D	49·4	65·8	69·4	84·1	80·4	66·4	87·6	58·1	49·2	50·7	50·1	52·7	53·0	51·5	47·1	46·9	43·2	43·0	33·9	41·5	43·0	37·0	35·5	39·5	45·5	**53·2**
24	45·5	44·9	39·3	36·1	42·4	44·7	43·4	43·4	44·6	46·3	49·2	50·7	52·1	52·7	50·9	46·7	46·9	45·5	45·1	43·6	47·1	39·7	37·2	39·0	43·0	44·8
25	43·0	44·4	45·3	45·1	46·7	45·1	44·7	44·7	45·3	46·3	47·8	49·6	50·9	50·3	49·2	47·3	45·1	41·1	41·3	44·9	33·9	37·2	33·4	41·3	45·1	44·4
26	45·1	47·4	45·5	47·4	55·0	52·9	47·8	46·9	48·4	47·4	49·0	50·9	52·9	49·4	49·2	48·0	46·7	45·7	41·5	39·3	40·9	44·9	44·9	47·1	47·4	47·3
27	47·3	44·1	42·1	43·9	44·6	44·8	45·0	44·1	44·5	45·0	47·0	49·1	50·8	49·7	49·5	47·7	47·3	46·6	41·7	45·0	42·7	43·1	43·1	44·1	44·1	45·5
28	44·1	45·4	45·2	44·5	42·9	44·5	45·4	44·6	43·5	43·7	45·4	48·1	48·9	48·9	48·5	46·8	45·2	46·4	46·6	45·8	45·0	42·9	43·9	44·8	44·8	45·5
29	44·7	44·9	46·7	43·6	44·7	44·2	43·6	43·8	43·4	43·2	45·7	48·6	48·8	50·1	48·6	47·8	47·4	47·2	47·1	48·0	46·7	31·2	33·5	44·0	44·7	44·9
30	44·7	44·4	42·2	41·5	40·5	39·1	41·8	42·8	43·0	43·0	45·5	48·8	50·5	50·1	50·7	48·8	47·2	43·2	46·9	46·1	44·5	43·8	37·2	39·7	42·8	44·4
31 Q	42·7	44·4	46·4	43·9	42·9	43·3	43·1	43·9	44·4	44·6	48·1	47·1	48·7	49·7	48·9	48·5	47·0	46·8	46·4	45·2	45·0	44·6	43·1	42·9	43·5	45·5
Mean†	43·2	45·2	44·6	45·9	46·1	45·3	45·9	44·6	44·2	44·3	46·6	47·8	50·0	**51·2**	50·9	49·7	47·8	47·2	45·7	45·2	43·6	42·2	**41·7**	41·9	43·1	45·9

* Suspension broken. † Mean of 30 days; 19th omitted.

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

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

43. Lerwick. (V) 46,000 γ (·46 C.G.S. unit) + **October, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	709	703	701	700	698	699	702	704	705	701	699	696	692	692	693	694	695	696	698	699	697	697	696	695	696	698
2	696	696	694	692	680	687	692	696	696	697	699	701	698	699	705	712	714	715	727	729	724	715	672	591	620	695
3	620	615	557	594	644	663	673	678	688	693	701	701	701	700	695	695	698	699	699	702	703	702	703	699	697	678
4 Q	697	692	690	690	691	691	687	692	693	697	694	693	693	691	691	693	693	693	692	691	691	691	690	691	690	692
5	690	687	687	686	686	685	685	686	686	685	686	687	685	685	684	685	686	689	690	694	708	693	668	641	601	683
6	601	605	601	566	575	618	636	645	651	656	656	656	657	658	659	660	661	661	660	660	660	661	663	664	664	643
7	664	663	662	658	656	655	655	655	656	657	666	668	669	672	709	734	719	703	713	709	687	622	530	492	562	659
8	562	447	392	437	425	468	524	572	602	623	657	670	678	680	679	675	667	665	662	663	663	662	663	664	665	**602**
9	665	664	664	664	664	664	664	665	666	666	668	670	672	675	675	677	680	686	695	695	691	685	684	679	670	674
10 D	670	676	679	682	682	684	685	687	688	690	693	699	711	731	741	745	756	755	757	758	737	723	685	663	685	708
11	685	696	702	705	706	706	708	710	712	719	722	722	720	719	722	722	725	725	725	725	724	722	720	722	720	716
12 D	720	719	717	712	710	714	715	718	721	726	732	843	893	841	947	900	749	802	744	788	731	747	725	610	571	756
13 D	571	680	710	724	764	776	781	778	780	784	788	791	795	808	824	828	858	858	859	836	824	814	811	807	806	790
14	806	797	797	797	799	793	795	797	803	805	808	809	809	808	809	811	813	814	814	814	816	816	806	801	806	806
15	806	804	803	808	811	812	813	815	816	816	818	817	816	816	816	818	819	820	820	820	820	816	816	805	796	814
16	796	796	804	809	812	813	814	814	817	819	821	821	820	819	820	819	820	819	822	819	817	814	807	807	807	**814**
17 Q	807	807	808	809	809	806	807	810	813	816	823	823	821	821	819	818	816	813	811	809	806	807	806	803	801	812
18	801	798	791	784	786	789	790	792	795	798	798	797	798	795	793	792	792	790	787	787	786	785	775	776	775	790
19	775	771	769	764	763	764	766	769	771	772	771	771	771	772	772	772	772	771	769	769	781	759	762	762	762	769
20	762	762	762	761	761	760	760	759	759	759	757	759	760	760	759	760	764	763	766	771	762	755	758	757	756	761
21 Q	756	753	752	752	752	750	749	749	749	749	750	749	750	751	752	752	751	750	750	746	743	742	741	740	734	749
22 D	734	730	728	728	729	729	728	731	711	666	699	748	785	763	780	760	751	742	739	740	734	730	721	704	652	732
23 D	652	563	458	418	384	468	542	575	676	699	731	763	749	743	750	754	760	750	732	709	709	670	604	633	635	645
24	635	601	593	592	585	598	627	664	673	678	719	721	722	726	734	745	742	739	735	743	737	700	669	659	687	682
25	687	693	698	699	699	697	696	696	695	696	700	701	705	708	707	708	708	713	720	711	708	674	625	604	635	693
26	635	649	655	653	626	623	629	648	663	678	678	681	683	699	703	699	699	699	703	699	695	688	688	680	636	673
27	636	638	656	667	671	675	676	678	679	679	678	679	679	679	682	688	689	690	693	694	694	681	680	679	678	678
28	678	678	677	677	677	679	679	680	682	682	682	683	685	685	689	691	693	695	696	698	700	698	697	696	695	687
29	695	692	693	690	694	693	693	693	693	694	690	690	690	690	692	693	694	694	695	696	697	698	699	697	696	694
30	696	696	682	655	656	662	669	677	679	688	695	696	696	697	698	701	703	707	706	706	708	711	706	699	699	691
31 Q	699	700	700	698	699	699	699	699	700	701	701	701	701	699	700	699	700	700	699	699	699	700	700	702	702	700
Mean.†	694	690	684	**684**	684	692	699	705	712	714	720	728	731	730	738	**738**	734	735	734	734	729	721	707	695	695	714

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

44. Lerwick. **October, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			*a*
1	22 39	615	559	10 39	56	13 16	53·0	39·6	18 37	13·4	00 05	709	692	From 12 20 to 13 20	17	67	0	81·7
2	17 28	621	445	22 31	176	13 32	54·7	21·7	22 32	33·0	18 22	733	579	22 30	154	743	1	81·4
3	04 55	613	529	01 26	84	01 15	57·6	31·7	02 36	25·9	20 31	705	551	02 14	154	429	1	81·0
4	21 53	609	558	11 21	51	12 18	50·8	41·0	08 43	9·8	08 59	698	685	05 50	13	45	0	80·4
5	20 46	699	551	23 34	148	13 11	53·3	14·4	20 47	38·9	20 39	721	599	23 59	122	640	1	80·1
6	06 56	621	455	02 59	166	03 01	57·0	22·5	00 01	34·5	23 59	665	542	03 14	123	643	1	79·9
7	14 14	679	289	23 41	390	13 22	58·7	12·8	23 41	45·9	14 34	748	461	22 41	287	2725	1	81·3
8	21 59	621	<222	Between 00 50 & 01 43	>399	00 49	66·9	10·7	01 49	56·2	13 25	684	**323**	01 35	361	3466	1	82·0
9	20 38	659	569	11 41	90	17 51	54·9	38·9	23 47	16·0	18 12	699	664	00 01	35	139	1	82·4
10	18 28	683	487	09 11	196	14 59	58·7	30·0	18 48	28·7	18 46	784	649	22 32	135	715	1	82·7
11	00 50	606	509	09 17	97	13 22	52·7	40·1	08 06	12·6	09 20	727	684	00 01	43	142	1	82·8
12	Between 12 07 & 17 14	**>1084**	**<107**	Between 22.40 & 22.44 or 23.30 & 23.56	**>977**	16 42	74·7	**−15·9**	11 52	**90·6**	12 17	**1059**	506	23 24	**553**	14086	2	82·7
13	13 53	727	251	00 01	476	14 09	68·3	29·9	09 04	38·4	15 42	875	525	00 04	350	3756	2	82·6
14	19 15	605	546	10 51	59	13 36	51·3	33·7	19 11	17·6	20 21	819	790	04 57	29	99	1	82·5
15	22 50	639	559	11 15	80	12 50	52·7	36·6	22 42	16·1	17 00	821	794	23 59	27	118	1	82·1
16	17 30	603	564	11 35	39	13 08	52·3	38·0	00 02	14·3	10 09	824	793	00 03	31	62	1	82·1
17	19 50	600	555	10 59	45	13 05	54·4	41·3	08 10	13·1	09 35	826	798	23 59	28	59	0	80·9
18	21 43	617	559	11 08	58	13 48	51·8	35·8	21 35	16·0	00 03	800	773	21 50	27	87	1	80·3
19	* *	*	*	* *	*	13 39	54·5	35·0	19 46	19·5	20 14	792	754	20 38	38	*	1	79·6
20	20 16	654	581	11 38	73	12 29	53·1	30·0	20 12	23·1	18 51	773	752	20 50	21	154	1	79·0
21	20 42	620	587	13 11	33	12 22	52·4	43·3	08 41	9·1	00 40	755	732	23 59	23	31	0	78·1
22	13 41	667	322	07 31	345	07 40	83·8	21·1	08 51	62·7	07 41	848	621	08 51	227	2413	2	77·5
23	09 55	664	<120	Between 05 58 & 06 10	>544	06 19	**104·6**	22·0	18 03	82·6	10 42	783	366	03 09	417	5930	2	77·1
24	15 18	607	478	01 22	129	12 15	53·0	31·4	21 51	21·6	19 05	751	579	04 27	172	547	1	77·3
25	16 50	612	484	21 50	128	11 43	51·1	26·0	22 08	25·1	17 35	721	595	22 44	126	437	1	77·4
26	19 26	626	548	03 37	78	03 41	61·0	29·9	19 20	31·1	13 30	709	611	04 16	98	331	1	78·4
27	20 32	619	579	10 03	40	12 31	51·8	40·2	17 56	11·6	20 04	695	626	00 10	69	88	1	79·1
28	21 11	622	584	10 47	38	12 31	49·1	40·6	21 06	8·5	20 04	700	675	01 59	25	34	1	79·6
29	21 06	628	565	21 55	63	12 47	50·7	21·2	21 21	29·5	22 03	703	688	10 59	15	198	1	80·1
30	22 08	626	575	03 09	51	11 45	52·3	28·3	21 59	24·0	20 57	713	646	02 42	67	175	1	80·2
31	21 59	621	587	10 36	34	12 59	50·0	42·3	22 09	**7·7**	23 59	703	697	06 03	**6**	23	0	80·4
Mean.	—	649	477	—	171	—	57·8	29·5	—	28·3	—	759	637	—	122	1279	0·97	80·4
No. of Days used.	—	30	30	—	30	—	31	31	—	31	—	31	31	—	31	30	31	31

* Suspension broken. † Mean of 30 days; 19th omitted. § For explanation *see* p. 31.

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

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

45. Lerwick. (H.) **November, 1927.**

14,000 γ (·14 C.G.S. unit) +

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	604	604	603	606	609	613	613	609	603	595	587	587	592	597	602	604	605	609	610	611	612	611	610	609	607	604
2 Q	607	606	605	606	609	610	610	609	604	598	588	583	588	592	599	603	606	610	610	610	611	613	612	605	607	604
3	607	607	609	609	610	611	612	612	609	598	593	591	594	599	604	606	610	610	605	606	610	611	612	610	609	606
4	609	609	606	605	606	607	607	606	603	597	589	589	592	598	599	600	608	610	612	613	610	588	587	594	598	602
5	598	601	601	603	603	605	606	605	603	599	597	599	602	604	605	609	614	609	612	612	613	613	613	611	611	606
6	611	609	609	609	611	612	612	612	608	597	591	591	593	597	599	603	606	610	614	613	613	614	614	613	613	607
7 Q	613	614	613	613	613	614	614	611	605	596	589	586	587	593	600	605	608	612	612	612	614	613	611	612	611	607
8	611	609	610	611	614	615	624	619	602	602	601	591	594	595	599	604	607	608	609	612	613	611	609	609	610	607
9	610	606	606	606	606	612	614	614	611	601	601	593	597	601	607	607	608	613	613	613	619	616	617	616	615	**609**
10	615	614	614	615	615	615	613	610	606	599	589	583	589	591	596	600	603	607	608	606	606	610	606	607	607	605
11	607	609	610	610	612	607	613	611	606	597	595	595	593	594	595	600	601	604	604	605	607	609	607	608	600	604
12	600	601	606	606	611	611	607	611	601	588	589	591	589	591	596	597	596	599	606	609	602	605	606	607	607	601
13	607	603	611	599	600	605	601	603	599	594	590	588	587	595	600	599	600	601	606	607	605	605	607	606	601
14 Q	606	610	609	606	607	610	610	607	603	597	593	590	591	593	596	598	604	609	610	611	611	610	609	609	609	604
15	609	608	607	608	609	609	609	608	606	598	591	590	590	591	595	599	605	605	609	608	609	608	608	608	607	604
16	607	605	604	605	605	608	611	610	610	605	598	597	598	599	599	600	603	604	606	610	613	616	613	609	609	606
17	609	604	597	598	604	610	609	605	603	598	597	597	597	601	603	604	609	610	612	613	612	613	612	611	610	605
18 D	610	609	609	610	610	618	621	622	621	615	602	604	607	603	599	595	601	611	561	549	563	560	532	543	551	594
19 D	551	539	587	588	587	578	583	591	585	580	581	585	585	586	588	591	598	590	597	597	603	597	602	597	597	**587**
20	597	584	584	587	591	601	602	601	601	597	573	579	590	588	587	591	591	589	587	590	590	595	600	601	598	592
21 D	598	596	590	598	602	603	605	604	600	594	590	583	578	583	585	589	595	595	595	589	586	589	597	602	602	594
22 Q	602	601	601	604	603	604	604	602	600	594	589	590	593	592	595	595	595	599	600	595	598	596	600	604	605	598
23	605	605	600	601	603	605	601	605	605	595	588	582	585	588	593	595	599	600	602	601	604	604	605	604	610	599
24	610	602	605	604	607	607	610	610	606	600	587	582	590	599	594	587	598	597	594	599	601	599	607	593	601	599
25 Q	601	601	603	604	605	607	609	605	608	601	594	592	593	594	599	602	603	605	607	608	609	608	607	607	606	603
26	606	607	607	607	607	609	609	607	604	603	599	597	599	603	607	607	612	617	614	610	613	612	611	607	603	607
27	603	601	605	605	608	609	609	610	607	602	601	599	600	601	603	604	607	612	613	604	591	596	600	603	600	604
28	600	598	599	601	602	603	605	605	603	600	597	597	597	601	604	604	607	610	614	611	610	610	607	607	608	604
29 D	608	603	607	609	608	610	611	610	607	603	601	601	601	602	603	601	599	595	591	588	589	589	581	579	582	599
30 D	582	567	555	575	575	593	613	600	588	584	578	562	584	596	600	600	601	603	607	604	609	606	594	601	601	591
Mean.	603	601	602	604	605	607	**609**	608	604	598	592	**590**	593	596	598	600	603	605	605	604	605	604	603	603	603	602

MAGNETIC DECLINATION (WEST).

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

46. Lerwick. (D.) **November, 1927.**

14° +

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

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

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

47. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **November, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	702	700	699	699	701	701	702	705	706	709	715	714	709	709	708	709	709	709	709	709	709	711	711	711	709	707
2 Q	709	708	708	709	708	709	709	711	713	715	719	719	720	720	721	721	722	722	722	723	723	723	723	722	722	717
3	722	719	718	718	717	716	716	716	715	716	717	716	713	711	711	713	714	714	715	715	715	711	711	713	713	715
4	713	711	711	709	709	709	709	711	711	711	711	711	711	711	714	715	714	715	716	717	719	719	720	720	721	713
5	721	721	723	724	724	722	722	721	721	721	721	720	720	721	723	723	722	723	723	724	724	725	726	727	727	723
6	727	728	729	729	728	728	728	728	729	730	731	731	732	733	733	735	735	734	733	732	732	732	733	735	737	731
7 Q	737	737	737	737	737	737	735	735	737	737	740	746	747	746	746	746	748	750	752	754	751	750	750	751	752	744
8	752	752	752	752	751	750	746	742	745	742	741	746	746	747	749	750	750	750	747	745	743	742	742	742	742	**747**
9	742	742	742	742	742	741	740	739	737	739	737	740	739	740	740	742	742	742	740	739	735	733	733	732	733	739
10	733	735	735	735	735	734	733	733	732	731	732	732	732	733	734	735	735	734	732	731	731	730	730	728	727	733
11	727	728	729	729	729	729	728	728	727	727	726	726	726	727	727	728	729	729	728	728	727	726	725	719	718	727
12	718	713	713	714	714	714	714	711	711	708	709	708	708	709	709	713	716	721	721	720	720	717	714	709	705	713
13	705	699	687	680	683	688	690	692	694	696	696	697	697	697	698	698	698	698	698	698	697	697	697	696	696	695
14 Q	696	694	693	692	693	694	694	694	692	690	690	690	690	689	688	689	689	690	690	690	690	690	690	689	688	691
15	688	687	687	687	687	687	687	688	689	689	690	689	689	689	688	688	688	689	689	690	690	690	690	690	689	689
16	689	689	689	689	688	688	688	688	688	689	689	689	689	689	688	688	688	688	687	687	685	685	685	685	683	688
17	683	682	680	679	679	678	678	679	679	679	679	679	679	679	678	677	676	675	675	675	675	676	676	677	678	678
18 D	678	677	677	676	675	673	671	670	668	668	671	673	671	674	689	692	688	711	728	700	698	695	656	625	636	678
19 D	637	584	624	652	658	657	648	650	658	663	676	679	679	679	680	682	683	686	688	688	689	684	684	683	674	**667**
20	674	660	655	660	668	672	674	676	676	677	681	686	689	690	694	698	700	700	703	704	703	699	688	688	690	684
21 D	690	691	690	688	691	691	692	692	694	695	697	698	700	701	709	710	710	710	712	718	719	695	699	701	703	700
22 Q	703	706	706	705	705	705	704	703	702	701	701	701	701	702	703	705	705	706	705	706	706	706	705	704	704	704
23	704	699	700	700	700	700	700	699	699	699	699	699	699	699	700	701	702	701	701	702	702	701	700	700	698	700
24	698	697	694	696	695	694	694	695	694	694	693	695	695	696	697	699	699	701	702	702	702	699	696	694	693	697
25 Q	693	693	694	694	694	694	693	692	691	691	691	691	692	693	695	696	697	697	697	697	696	696	696	696	696	694
26	697	698	698	699	699	698	699	699	699	698	696	696	696	696	696	698	698	697	698	698	697	697	697	697	698	698
27	699	699	698	698	697	697	697	696	695	695	696	695	695	695	695	696	697	697	697	699	704	702	702	701	700	698
28	700	701	701	701	701	701	701	701	701	701	701	702	703	703	703	704	706	704	707	710	710	710	709	709	708	704
29 D	708	708	706	706	707	707	708	708	707	707	708	708	708	720	732	740	755	779	787	792	787	778	769	761	744	734
30 D	744	723	702	688	690	700	698	701	703	704	711	720	723	725	730	733	735	736	737	742	740	747	764	752	745	723
Mean.	706	703	**703**	703	703	704	703	703	704	704	705	707	707	707	709	711	712	714	**715**	715	714	712	711	709	708	708

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

48. Lerwick. **November, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	h. m.	γ	γ	h. m.	γ	h. m.	′	′	h. m.	′	h. m.	γ	γ	h. m.	γ			*a*
1	05 29	615	586	10 25	29	12 33	48·8	42·6	08 43	6·2	10 20	717	797	02 52	20	19	0	80·4
2	22 05	616	581	11 04	35	13 01	47·8	42·4	08 51	5·4	19 30	724	707	00 32	17	20	0	79·7
3	06 11	613	589	11 24	24	11 56	48·9	42·3	05 56	6·6	00 04	721	709	12 59	12	15	0	80·3
4	19 58	620	584	22 22	36	12 21	50·2	31·3	20 14	18·9	22 33	723	708	04 40	15	79	I	81·2
5	16 31	617	591	00 59	26	11 10	48·4	40·1	00 50	8·3	23 59	729	719	00 50	10	20	0	80·7
6	17 51	615	586	11 25	29	12 20	48·6	42·6	08 30	6·0	23 59	739	726	00 04	13	16	0	79·7
7	19 42	615	585	11 19	30	12 32	48·5	41·1	09 38	7·4	19 00	754	735	06 30	19	22	0	79·0
8	05 51	626	589	11 14	37	13 25	48·9	41·1	06 03	7·8	From 00.50 to 03.00	752	741	10 00	11	26	I	77·9
9	19 38	623	591	10 51	32	11 54	48·4	42·0	09 31	6·4	01 50	742	732	22 14	10	19	0	77·0
10	05 46	618	582	11 38	36	12 36	49·9	42·2	09 32	7·7	03 00	736	726	23 20	10	25	0	76·3
11	22 33	616	588	12 23	28	13 01	50·4	37·3	23 15	13·1	05 00	731	716	23 59	15	41	0	75·9
12	04 42	615	582	09 20	33	13 51	53·5	40·4	00 02	13·1	17 33	723	703	23 59	20	46	I	75·4
13	02 06	618	583	11 41	35	12 55	48·8	32·7	02 26	16·1	00 01	706	676	02 20	30	67	I	75·2
14	20 17	612	589	11 32	23	14 40	48·2	42·6	09 47	5·6	00 10	696	688	23 59	8	12	0	75·5
15	04 39	611	586	11 52	25	14 35	48·4	42·2	18 51	6·2	18 59	692	687	From 00.40 to 04.50	5	13	0	76·1
16	23 25	619	595	11 21	24	14 30	48·0	40·5	23 59	7·5	00.00 to 02.00 and 09.00 to 12.00	689	680	23 28	9	17	I	76·3
17	00 09	621	592	12 51	29	12 54	48·2	39·9	02 56	8·3	01 00	682	675	From 17.30 to 19.00	7	21	I	77·0
18	17 17	**668**	**503**	22 35	**165**	13 58	**61·1**	**10·2**	22 36	**50·9**	17 19	772	598	22 29	**174**	1042	I	77·4
19	20 18	627	503	00 32	124	00 39	51·8	34·2	20 52	17·6	20 08	693	**556**	00 49	137	398	I	77·9
20	21 29	612	568	10 30	44	12 40	48·9	36·1	22 03	12·8	18 21	706	650	01 39	56	80	I	77·4
21	20 39	611	572	21 11	39	02 10	50·1	35·3	20 36	14·8	19 21	722	680	21 09	42	73	I	77·3
22	23 01	606	587	10 11	**19**	12 39	47·1	41·9	22 28	5·2	15 30 & 19 40	707	701	10 03	6	9	0	76·9
23	23 57	616	581	10 52	35	12 42	48·4	41·6	01 10	6·8	15 59	704	697	23 58	7	21	0	76·9
24	00 04	615	579	10 41	36	14 55	51·3	32·8	22 19	18·5	18 50	704	691	23 30	13	77	I	77·1
25	19 12	610	591	10 22	**19**	12 56	48·3	41·2	00 02	7·1	16 00 to 20 00	697	691	08 00 to 11 00	6	13	0	77·4
26	17 22	620	595	11 12	25	13 10	47·2	34·9	23 05	12·3	03 00 to 09 00 & 18 40	699	696	09 00 to 15 00	**3**	33	I	77·6
27	18 19	617	574	19 50	43	20 12	51·9	38·9	21 19	13·0	19 51	709	695	07 00 to 15 00	14	51	I	78·6
28	17 57	615	596	11 20	**19**	12 37	47·0	42·7	06 43	**4·3**	19 00 to 20 30	710	701	00 00 to 11 00	9	8	0	78·9
29	03 21	614	571	22 18	43	16 22	58·1	34·5	22 21	23·6	18 36	**796**	706	02 30 to 03 30	90	199	I	78·8
30	05 59	618	538	02 10	80	11 50	53·4	29·1	01 51	24·3	21 47	771	680	03 24	91	253	I	78·1
Mean.	—	618	578	—	40	—	49·9	37·9	—	12·0	—	722	692	—	29	91	0·50	77·8
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	30	30

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56–61. § For explanation *see* p. 31.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT.

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

49. Lerwick. (H.) 14,000 γ (·14 C.G.S. unit) + **December, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	600	600	598	598	599	600	599	599	599	599	594	577	560	582	595	596	600	603	603	600	598	590	599	586	582	594
2	582	588	582	583	594	605	601	600	607	604	600	599	598	595	597	590	602	605	605	604	606	599	602	600	607	598
3	607	602	599	601	604	605	605	603	600	594	589	591	595	600	601	597	606	607	606	606	605	605	604	604	605	601
4 Q	605	605	604	604	605	607	609	608	605	599	598	598	599	601	603	603	602	606	610	607	609	607	605	605	611	604
5	611	602	604	605	606	610	612	612	611	603	606	607	605	600	586	593	604	604	598	603	604	599	602	606	604	604
6	604	602	601	603	605	609	616	615	614	603	594	588	593	598	597	593	574	591	598	598	612	604	599	602	604	601
7	604	608	602	603	599	602	603	593	597	598	594	590	593	590	592	594	598	599	600	604	606	606	608	608	605	600
8	605	604	605	606	606	604	607	609	602	596	592	593	596	597	599	600	601	601	602	612	585	590	584	579	591	599
9	591	597	596	596	601	603	603	601	608	604	598	594	587	591	585	596	602	608	601	592	591	598	609	597	601	598
10	601	603	603	601	602	604	611	604	602	599	590	590	587	585	596	598	602	606	607	602	598	601	601	603	604	600
11	604	599	596	602	608	609	611	607	597	595	595	591	591	595	595	601	607	608	608	608	608	603	607	607	606	602
12	606	606	606	606	607	610	610	609	607	604	599	601	601	602	605	607	609	612	612	612	617	615	616	613	613	608
13 D	613	612	610	610	612	615	618	617	623	621	609	588	593	611	618	613	721	589	658	645	598	576	549	498	523	607
14 D	523	470	435	565	576	556	605	597	596	588	590	595	594	595	595	597	597	595	594	598	601	601	601	605	606	580
15	606	605	602	603	607	611	602	590	590	594	590	589	583	587	583	596	594	599	582	590	590	595	595	601	601	595
16	601	598	594	600	600	607	606	604	599	587	583	582	582	598	605	595	593	589	593	597	597	597	599	598	598	596
17 D	598	599	600	601	603	605	608	601	599	589	589	581	581	589	592	594	599	601	606	584	592	601	604	602	605	597
18 D	605	600	605	605	607	615	605	597	586	571	567	576	583	594	599	594	582	569	564	535	495	503	518	525	513	**573**
19	513	509	499	530	579	583	592	570	579	590	591	592	598	596	603	604	604	605	608	603	600	601	599	599	599	583
20 Q	599	596	592	597	599	601	602	603	603	600	599	599	597	603	605	607	607	608	609	608	608	605	604	604	603	602
21 Q	603	601	602	603	605	605	607	607	607	605	604	601	603	602	605	605	605	606	606	607	606	603	604	604	603	604
22	603	603	602	604	609	612	615	617	614	610	609	609	610	611	610	610	609	609	609	609	602	604	602	606	600	608
23	600	602	601	602	604	615	620	620	611	606	602	595	592	596	602	602	604	609	608	609	607	606	606	604	605	
24 Q	604	603	603	603	604	604	606	606	606	604	600	599	597	602	605	609	610	611	612	610	608	611	608	604	611	606
25	611	604	609	610	610	609	613	614	611	607	603	602	603	605	607	608	609	609	609	612	614	610	607	607	607	608
26	607	602	602	602	605	610	609	609	609	606	602	598	599	602	602	597	596	599	605	607	606	605	607	606	606	604
27 Q	606	607	607	608	609	609	610	609	608	608	607	606	607	607	607	606	605	607	609	610	611	610	609	607	606	608
28 D	606	609	606	607	609	610	610	609	607	605	605	606	607	610	609	614	610	613	611	627	659	609	607	595	595	**611**
29	595	588	588	588	592	593	593	596	595	595	592	591	594	597	601	595	593	595	595	599	599	600	599	598	597	595
30	597	595	595	591	594	596	598	598	596	593	593	593	596	597	598	600	601	601	604	601	601	602	602	602	601	598
31	601	601	601	601	601	602	610	611	607	607	597	595	601	609	609	609	608	609	601	603	604	611	614	606	600	605
Mean.	597	594	**592**	598	602	604	**607**	604	603	599	596	594	594	598	600	601	605	602	604	603	601	599	599	596	597	600

MAGNETIC DECLINATION (WEST).

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

50. Lerwick. (D.) 14° + **December, 1927.**

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

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

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

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

51. Lerwick. (V.) 46,000 γ (·46 C.G.S. unit) + **December, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	745	744	743	743	743	743	743	743	743	744	745	749	753	749	750	751	751	752	752	753	758	768	764	754	732	749
2	732	714	718	724	728	729	732	736	736	737	742	743	743	743	744	749	747	745	746	749	748	745	745	745	743	739
3	743	740	740	740	740	738	737	737	737	738	742	742	743	742	743	743	743	740	740	740	742	743	743	743	743	741
4 Q	743	740	740	740	738	738	738	738	738	740	740	740	740	740	740	740	740	738	738	738	738	740	740	740	742	739
5	743	741	741	741	739	737	736	735	735	736	735	736	736	736	739	741	741	741	741	743	743	741	739	738	738	739
6	738	737	735	734	734	733	732	731	730	730	733	735	735	734	735	737	747	743	739	744	737	728	734	734	731	735
7	731	721	721	720	720	722	721	723	724	724	725	728	729	730	731	733	733	733	733	732	730	729	729	728	728	727
8	729	727	727	728	729	728	727	726	726	726	725	725	726	726	727	729	731	737	740	735	740	740	739	735	730	730
9	730	729	731	733	732	732	729	729	729	730	730	733	734	735	738	740	739	737	739	747	745	742	716	720	722	733
10	722	726	727	728	729	726	724	725	726	727	729	731	733	733	734	734	733	734	734	735	735	735	733	732	727	730
11	727	730	730	727	727	730	730	730	730	731	731	731	732	731	732	732	732	732	732	731	729	728	727	726	725	730
12	725	726	726	726	727	726	726	726	727	726	725	725	725	725	726	728	729	731	731	731	730	730	731	731	731	728
13 D	732	727	728	728	729	729	729	730	729	730	729	732	731	732	753	821	845	852	847	853	829	780	728	689	681	758
14 D	681	673	650	671	700	704	682	705	721	735	747	749	749	749	752	754	756	757	760	761	761	761	761	761	761	731
15	762	761	762	762	761	760	759	759	757	757	759	762	763	766	770	774	772	772	784	781	777	777	776	773	770	767
16	770	768	765	751	748	748	749	751	753	757	761	764	765	764	765	767	776	781	782	783	783	785	787	788	790	768
17 D	791	793	794	791	790	790	787	786	787	788	790	794	797	807	859	841	819	811	808	844	829	811	806	805	801	**805**
18 D	801	800	797	794	789	782	783	784	788	791	797	799	805	812	827	830	837	847	838	784	727	719	703	693	627	785
19	628	592	543	544	555	590	633	645	675	691	716	720	724	731	738	740	740	739	740	743	743	744	744	743	742	**686**
20 Q	743	744	744	740	739	739	738	738	737	736	734	734	735	735	734	735	734	733	731	731	730	730	730	730	730	735
21 Q	730	730	730	729	728	727	726	726	725	725	721	723	724	724	724	723	723	721	721	719	719	719	719	719	719	724
22	720	720	720	720	720	720	719	718	718	718	713	714	715	716	716	717	717	717	717	716	717	717	718	716	718	717
23	718	716	716	712	709	708	703	703	705	707	708	709	710	710	711	710	709	708	708	707	707	706	705	704	705	708
24 Q	706	706	706	706	707	706	705	704	704	704	705	705	705	706	707	707	707	707	706	705	705	703	704	704	701	705
25	702	703	703	703	704	704	704	704	705	706	703	705	705	706	707	708	708	708	708	708	708	708	707	708	707	706
26	704	706	706	707	707	708	708	708	708	708	707	709	711	712	713	715	717	720	719	716	715	713	712	711	710	711
27 Q	710	710	710	709	710	709	709	709	708	707	704	704	705	706	707	708	708	707	707	706	707	706	705	704	704	707
28 D	705	704	703	704	704	704	704	704	703	702	700	700	700	700	700	700	700	707	724	765	744	737	747	734	733	713
29	733	735	734	732	726	723	721	719	719	718	713	712	712	712	712	713	714	715	715	714	714	713	713	712	711	718
30	712	711	711	710	710	710	711	711	711	711	709	708	707	707	707	707	707	707	707	708	708	709	709	709	708	707	709
31	708	706	705	705	705	705	704	702	702	702	704	705	704	702	704	702	702	702	705	707	706	705	705	707	709	704
Mean.	728	725	723	**723**	723	724	724	725	727	728	730	731	732	733	737	740	741	741	742	**743**	739	736	733	730	726	732

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

52. Lerwick. **December, 1927.**

Day.	Terrestrial Magnetic Elements. Horizontal Force. Maximum 14,000 γ +		Horizontal Force. Minimum 14,000 γ +		Horizontal Force. Range.	Declination. Maximum 14° +		Declination. Minimum 14° +		Declination. Range.	Vertical Force. Maximum 46,000 γ +		Vertical Force. Minimum 46,000 γ +		Vertical Force. Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House. 200+
	h. m.	γ	h. m.	γ	γ	h. m.	′	′	h. m.	′	h. m.	γ	h. m.	γ	γ			*a*
1	16 37	610	12 11	554	56	12 30	52·8	36·2	23 56	16·6	20 52	771	23 59	730	41	99	1	77·4
2	18 59	624	01 30	575	49	12 10	51·6	28·4	19 22	23·2	18 50	753	01 11	711	42	140	1	77·5
3	00 19	637	10 10	588	49	10 58	48·3	37·3	00 14	11·0	15 02	745	00 25	735	10	47	0	77·9
4	23 59	615	09 42	597	18	13 32	48·3	41·4	23 59	6·9	23 40	744	04 00 to 08 00	738	6	12	0	77·9
5	00 07	626	14 11	575	51	19 12	49·2	32·0	19 52	17·2	18 56, 19 40, 19 50	745	07 00 to 10 00	735	10	80	1	78·0
6	20 33	638	15 38	547	91	20 42	51·9	31·6	15 51	20·3	16 08	752	20 43	723	29	165	1	78·1
7	00 56	619	07 11	585	34	12 03	48·4	36·4	17 05	12·0	17 12	735	02 40	718	17	40	1	78·4
8	18 48	646	22 42	575	71	12 57	48·0	29·7	18 40	18·3	18 30	742	10 00 to 11 00	725	17	114	1	78·7
9	21 45	642	14 08	574	68	13 49	49·7	33·8	22 21	15·9	19 11	750	21 58	709	41	109	1	78·8
10	06 25	613	13 04	578	35	14 29	50·4	39·2	20 48	11·2	19 50	737	00 02	721	16	38	1	78·5
11	22 26	614	11 24	587	27	12 54	48·7	39·8	23 34	8·9	15 20, 16 40, 17 20	734	03 15	725	9	23	0	78·2
12	19 55	627	10 39	596	31	13 10	46·5	40·9	23 24	5·6	23 02	733	11 36	724	9	16	0	77·8
13	15 54	**970**	22 44	444	**526**	14 21	**64·0**	18·3	21 13	45·7	15 54	881	23 30	657	224	3645	2	77·1
14	05 54	622	01 48	**380**	242	05 11	52·7	21·8	00 02	30·9	19 04, 19 02, 20 50	763	02 09	631	132	931	1	76·3
15	18 39	612	17 59	554	58	07 53	53·0	16·0	18 15	37·0	18 08	789	08 18	755	34	292	1	75·6
16	05 25	611	11 39	569	42	09 46	50·0	37·5	16 30	12·5	23 25	792	04 46	746	46	67	1	75·1
17	17 54	622	14 09	570	52	13 35	56·4	20·5	19 12	35·9	14 10	**882**	07 32	783	99	359	1	74·7
18	05 08	617	20 20	464	153	14 03	58·3	14·5	20 32	43·8	16 48	854	23 59	612	**242**	1166	1	74·1
19	14 07	613	01 32	409	204	06 51	62·3	16·2	01 32	**46·1**	21 50	746	01 32	**525**	221	1289	1	73·6
20	23 22	610	02 04	589	21	11 44	48·4	40·1	03 23	8·3	02 00	745	23 28	728	17	20	0	73·1
21	18 17	609	01 48	599	**10**	12 53	46·8	40·8	00 03	6·0	00 50	731	19 00 to 24 00	719	12	9	0	73·1
22	07 10	619	23 51	596	23	12 53	47·7	36·9	23 20	10·8	00 00 to 02 30	720	23 04	712	8	27	0	73·8
23	06 30	626	11 30	589	37	13 25	46·7	37·6	04 30	9·1	00 04	718	05 38	702	16	31	1	74·0
24	21 09	619	11 50	596	23	13 36	46·3	38·9	21 08	7·4	03.00 to 05.00 and 18.00 to 17.00	707	23 59	699	8	16	0	74·0
25	23 17	618	10 57	600	18	23 18	46·7	40·0	22 41	6·7	23 10	709	00 25	701	8	12	0	73·7
26	07 21	614	16 31	588	26	15 16	48·2	39·9	00 12	8·3	16 40	722	00 03	703	19	23	0	73·4
27	20 48	613	15 55	603	**10**	10 20	45·7	42·6	06 50	**3·1**	00 00 to 03 00	710	23 59	704	6	3	0	72·6
28	19 53	809	23 20	584	225	16 43	55·8	**13·4**	20 07	42·4	19 51	808	20 11	683	125	987	1	72·6
29	14 11	605	00 50	578	27	15 11	47·3	33·0	01 08	14·3	00 40	737	24 00	711	26	51	1	73·0
30	18 21	607	02 38	585	22	13 00	45·9	40·5	05 02	5·4	00 02	711	12 00 to 18 00	707	4	10	0	73·3
31	22 07	624	10 49	587	37	22 29	50·1	40·3	23 16	9·8	23 15	710	07.00 to 09.00 and 18.00 to 17.00	702	8	32	1	73·7
Mean	—	637	—	562	75	—	50·5	32·8	—	17·8	—	754	—	706	48	318	0·65	75·6
No. of Days used.	—	31	—	31	31	—	31	31	—	31	—	31	—	31	31	31	31	31

§ For explanation *see* p. 31. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 56-61.

DIURNAL INEQUALITIES OF THE TERRESTRIAL MAGNETIC ELEMENTS.—"ALL" DAYS.

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

HORIZONTAL FORCE (*all days except Feb.* 25; *April* 26; *June* 20, 21, 22, 23, 24; *Aug.* 30; *Oct.* 19).

53. Lerwick. **1927.**

Month and Season.	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 2·0	− 2·9	− 2·1	+ 1·2	+ 5·0	+ 5·7	+ 6·1	+ 3·3	− 0·6	− 2·1	− 6·1	**− 9·6**	− 7·6	− 2·9	− 0·8	+ 4·2	**+12·1**	+ 8·5	+ 4·3	− 2·4	− 7·4	− 0·2	+ 1·4	− 5·1
Feb. ...	− 3·1	+ 0·7	+ 0·5	+ 3·1	+ 4·0	+ 5·3	+ 4·8	+ 1·2	− 2·8	− 6·7	−11·4	**−13·6**	−13·0	−10·8	− 2·4	+ 1·8	+ 7·4	+ 8·0	+ 8·5	**+10·4**	+ 8·5	+ 6·9	0·0	− 7·3
Mar. ...	− 9·2	− 9·2	− 4·6	− 4·3	− 1·4	+ 3·1	+ 1·9	− 2·5	−10·0	−19·9	**−23·3**	−18·6	− 9·8	+ 1·0	+13·2	+22·0	+23·9	**+25·1**	+22·0	+15·4	+ 8·2	+ 1·7	− 5·9	−18·8
April ...	− 1·8	− 1·4	+ 1·7	+ 1·1	+ 1·1	− 0·3	− 3·1	−11·5	−25·9	−36·5	**−41·9**	−30·4	−16·3	+ 0·8	+16·1	+26·6	**+30·8**	+21·4	+19·3	+19·1	+12·8	+ 9·8	+ 4·5	+ 4·0
May ...	− 3·7	− 6·9	−10·2	− 3·8	− 4·3	− 7·1	−12·4	−20·2	−29·9	−34·3	**−34·7**	−25·9	−14·2	− 3·1	+17·5	+31·9	**+37·3**	+36·2	+33·5	+27·1	+16·5	+ 5·6	+ 3·7	+ 1·4
June ...	+ 0·4	+ 0·8	+ 0·5	− 0·5	− 3·0	− 6·6	−10·0	−19·5	−29·4	−34·5	**−36·8**	−26·7	−14·9	− 1·8	+ 6·8	+16·6	+23·5	+29·9	**+32·6**	+29·0	+22·8	+12·6	+ 6·0	+ 2·2
July ...	+ 0·7	− 6·8	−11·4	− 4·5	− 5·3	−19·1	−19·0	−18·8	−27·4	**−32·7**	−31·9	−22·2	− 8·2	+ 0·9	+14·3	+25·4	+27·6	**+33·1**	+32·6	+27·5	+20·6	+13·6	+ 7·6	+ 3·4
Aug. ...	−10·7	−11·0	−12·0	+ 0·5	+ 4·5	+ 0·7	− 8·6	−17·0	−21·9	**−26·2**	−23·9	−20·2	− 8·6	+ 2·0	+ 9·0	+18·3	+28·6	**+32·4**	+31·9	+23·9	+15·4	+ 7·3	− 5·9	− 8·5
Sept. ...	+ 2·2	+ 0·1	0·0	+ 3·5	+ 2·9	+ 2·5	− 0·9	−10·1	−19·3	**−23·7**	−23·5	−20·0	−10·4	− 3·9	+ 7·3	+10·2	+16·2	+16·7	**+17·3**	+11·6	+ 7·5	+ 8·3	+ 4·7	+ 0·8
Oct. ...	−12·6	−11·9	−11·1	− 6·2	− 3·7	− 1·4	− 0·3	− 6·7	−14·5	−19·3	**−21·0**	− 3·3	+ 6·2	+17·7	+23·2	+27·3	**+27·4**	+21·8	+ 9·5	+ 9·4	+ 8·3	− 7·0	−16·4	−15·4
Nov. ...	− 0·7	+ 0·7	+ 1·9	+ 3·3	+ 5·7	**+ 7·2**	+ 6·0	+ 2·2	− 4·1	− 9·9	**−11·9**	− 9·2	− 6·2	− 3·3	− 1·7	+ 1·5	+ 3·4	+ 3·0	+ 2·1	+ 3·2	+ 2·5	+ 1·3	+ 1·4	+ 1·6
Dec. ...	− 5·6	**− 8·0**	− 1·8	+ 2·2	+ 4·3	**+ 7·2**	+ 4·5	+ 3·3	− 0·3	− 3·6	− 5·7	− 5·5	− 1·5	+ 0·4	+ 0·9	+ 5·2	+ 2·5	+ 4·5	+ 3·5	+ 1·5	− 0·8	− 0·9	− 3·6	− 2·7
Year ...	− 3·8	− 4·7	− 4·1	− 0·4	+ 0·8	− 0·2	− 2·6	− 8·0	−15·5	−20·8	**−22·7**	−17·1	− 8·7	− 0·3	+ 8·6	+15·9	**+20·1**	+20·1	+18·1	+14·6	+ 9·6	+ 4·9	− 0·2	− 3·7
Winter ...	− 2·9	− 2·4	− 0·4	+ 2·5	+ 4·7	**+ 6·3**	+ 5·3	+ 2·5	− 1·9	− 5·6	− 8·8	**− 9·5**	− 7·1	− 4·1	− 1·0	+ 3·2	**+ 6·3**	+ 6·0	+ 4·6	+ 3·2	+ 0·7	+ 1·8	− 0·2	− 3·4
Equinox ...	− 5·3	− 5·6	− 3·5	− 1·5	− 0·3	+ 1·0	− 0·6	− 7·7	−17·4	−24·9	**−27·4**	−18·1	− 7·6	+ 3·9	+14·9	+21·5	**+24·6**	+21·3	+17·0	+13·9	+ 9·2	+ 3·2	− 3·3	− 7·3
Summer ...	− 3·3	− 6·0	− 8·3	− 2·1	− 2·0	− 8·0	−12·5	−18·9	−27·1	**−31·9**	−31·8	−23·7	−11·5	− 0·5	+11·9	+23·1	+29·3	**+32·9**	+32·7	+26·9	+18·8	+ 9·8	+2·9	− 0·4

DECLINATION (*all days except Feb.* 25; *April* 26; *June* 20, 21, 22, 23, 24; *Aug.* 30; *Oct.* 19).

54. Lerwick. **1927.**

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

VERTICAL FORCE (*all days except Feb.* 25; *April* 26; *June* 20, 21, 22, 23, 24; *Aug.* 30; *Oct.* 19).

55. Lerwick. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 8·1	−10·4	**−12·5**	−10·5	− 8·5	− 7·0	− 6·8	− 4·2	− 4·3	− 0·4	+ 1·0	+ 2·3	+ 4·5	+ 6·0	+ 6·9	+ 8·2	+ 8·9	+10·1	**+12·6**	+ 9·0	+ 3·8	+ 3·0	+ 1·0	− 4·7
Feb. ...	**−14·8**	−13·2	−10·2	− 8·6	− 7·9	− 7·3	− 6·7	− 5·2	− 6·6	− 2·8	− 0·9	− 0·9	+ 0·3	+ 2·8	+ 6·6	+ 9·5	+11·6	+14·7	+17·0	**+18·2**	+15·7	+ 7·3	− 4·5	−14·1
Mar. ...	−34·3	−28·6	−27·7	−24·7	−21·3	−18·0	−10·7	− 5·3	− 2·1	+ 4·3	+ 6·5	+ 7·0	+12·2	+15·7	+20·5	+27·9	**+33·7**	+32·2	+28·5	+17·7	+12·6	+ 3·4	−13·8	**−36·0**
April ...	**−20·4**	−17·9	−14·5	− 9·6	− 9·6	− 9·2	− 8·1	− 5·9	− 1·1	+ 2·1	+ 4·5	+ 4·1	+ 7·9	+13·3	+16·9	+20·2	**+21·8**	+19·9	+14·2	+ 9·2	− 0·2	− 7·3	−11·6	−18·8
May ...	−14·4	−15·9	**−18·3**	−17·0	−11·9	− 5·7	− 2·4	+ 1·9	+ 5·3	+ 4·8	+ 1·6	− 0·7	− 0·1	+ 8·4	+14·9	+15·1	**+16·0**	+13·5	+11·5	+ 9·9	+ 7·3	− 1·1	− 8·7	−14·1
June ...	− 7·0	− 3·4	− 2·2	− 1·6	− 0·7	+ 0·1	+ 0·5	+ 1·4	+ 1·3	− 0·3	− 2·6	− 5·9	− 6·0	− 3·3	+ 2·8	+ 7·0	**+ 8·6**	+ 8·2	+ 7·3	+ 6·6	+ 2·1	− 0·7	− 4·9	**− 7·4**
July ...	− 7·0	− 7·0	**−15·4**	−10·9	− 5·2	− 4·2	− 5·7	− 3·2	+ 2·4	+ 1·5	+ 0·6	− 1·1	+ 0·2	+ 2·6	+ 3·7	+ 8·3	+ 9·3	+ 9·4	+ 9·4	**+ 9·5**	+ 6·7	+ 2·1	− 1·3	− 4·8
Aug. ...	−16·6	−14·1	**−20·1**	−13·8	− 7·4	− 3·9	− 2·3	− 1·9	+ 1·3	+ 2·9	+ 1·8	+ 1·0	+ 2·9	+ 6·0	+ 9·3	+11·6	+16·5	**+19·3**	+17·3	+13·9	+ 4·4	− 2·2	−11·6	−14·5
Sept. ...	**−20·8**	−20·8	−17·3	−13·2	− 9·5	− 7·2	− 4·4	− 2·0	− 0·7	− 0·6	− 0·5	+ 0·7	+ 2·3	+ 6·6	+14·3	+20·2	**+21·5**	+20·4	+17·2	+14·3	+ 8·2	− 3·4	−11·0	−14·2
Oct. ...	−23·7	−29·9	**−30·1**	−29·3	−21·9	−14·6	− 8·3	− 2·2	+ 0·1	+ 6·5	+14·1	+17·3	+16·5	+23·8	**+23·8**	+20·0	+21·0	+19·8	+19·8	+15·2	+ 6·8	− 6·9	−18·5	−19·3
Nov. ...	− 4·3	**− 4·5**	− 4·2	− 3·7	− 3·4	− 4·0	− 3·9	− 3·6	− 3·4	− 2·0	− 1·0	− 1·0	− 0·3	+ 1·5	+ 3·0	+ 3·8	+ 5·7	**+ 6·7**	+ 6·5	+ 5·9	+ 4·1	+ 2·5	+ 0·3	− 0·7
Dec. ...	− 7·1	− 9·5	**− 9·5**	− 8·6	− 7·9	− 7·8	− 6·5	− 4·9	− 3·3	− 1·9	− 0·5	+ 0·6	+ 1·5	+ 5·5	+ 8·3	+ 9·3	+ 9·9	+10·6	**+11·8**	+ 7·8	+ 4·9	+ 2·1	− 0·6	− 4·5
Year ...	−14·9	−14·6	**−15·2**	−12·6	− 9·6	− 7·4	− 5·4	− 2·9	− 0·9	+ 1·2	+ 2·1	+ 2·0	+ 3·5	+ 7·4	+10·9	+13·4	+15·4	**+15·4**	+14·4	+11·5	+ 6·4	− 0·1	− 7·1	−12·7
Winter ...	− 8·6	**− 9·4**	− 9·1	− 7·9	− 6·9	− 6·5	− 6·0	− 4·5	− 4·4	− 1·8	− 0·3	+ 0·3	+ 1·5	+ 3·9	+ 6·2	+ 7·7	+ 9·0	+10·5	**+12·0**	+10·2	+ 7·1	+ 3·7	− 0·9	− 6·0
Equinox ...	**−24·8**	−24·3	−22·4	−19·2	−15·6	−12·2	− 7·9	− 3·9	− 0·9	+ 3·1	+ 6·1	+ 7·3	+ 9·7	+14·8	+18·9	+22·1	**+24·5**	+23·1	+19·9	+14·1	+ 6·9	− 3·6	−13·7	−22·1
Summer ...	−11·3	−10·1	**−14·0**	−10·8	− 6·3	− 3·4	− 2·5	− 0·5	+ 2·6	+ 2·2	+ 0·3	− 1·7	− 0·8	+ 3·5	+ 7·7	+10·5	**+12·6**	+12·6	+11·4	+10·0	+ 5·1	− 0·5	− 6·6	−10·2

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

HORIZONTAL FORCE (~~DISTURBED~~ QUIET DAYS).

56. Lerwick. **1927.**

Month and Season.	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
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 3·6	+ 1·5	+ 2·5	+ 2·1	+ 3·0	+ 4·3	**+ 4·8**	+ 2·5	− 0·7	− 2·5	− 8·4	**−11·4**	− 9·2	− 5·7	− 4·5	− 3·5	− 0·4	+ 0·3	+ 2·6	+ 3·7	+ 4·3	+ 4·1	+ 3·0	+ 4·0
Feb. ...	+ 7·0	+ 5·8	+ 5·7	+ 7·5	+ 5·0	+ 5·3	+ 3·8	− 0·1	− 5·1	−11·8	−17·4	**−20·8**	−17·4	−12·0	− 5·9	− 1·5	+ 2·6	+ 6·1	+ **7·8**	+ 7·7	+ 6·9	+ 7·2	+ 7·0	+ 6·6
Mar. ...	+ 9·4	+ 7·5	+ 7·1	+ 7·3	+ 8·8	+ 8·9	+ 7·4	+ 1·5	− 7·5	−17·7	−26·4	**−30·1**	−24·0	−18·1	− 9·7	− 3·9	+ 3·8	+ 6·9	+ 9·0	+11·9	**+13·7**	+12·5	+11·2	+10·5
April ...	+ 8·5	+ 9·2	+ 8·9	+ 9·0	+11·5	+12·0	+ 7·9	− 3·8	−19·1	−33·0	**−41·5**	−38·6	−26·7	−13·2	− 4·3	+ 2·8	+10·7	+16·0	+17·1	**+17·4**	+15·7	+13·2	+10·9	+ 9·4
May ...	+ 6·9	+ 3·8	+ 5·6	+ 6·1	+ 6·0	+ 2·8	− 4·9	−15·4	−27·7	−35·4	**−36·0**	−30·2	−16·8	− 9·6	− 2·5	+ 7·8	+14·3	+23·6	**+26·0**	+23·5	+15·4	+13·6	+12·3	+10·8
June ...	+ 2·8	+ 3·4	+ 4·2	+ 5·1	+ 1·4	− 1·6	− 8·3	−15·4	−22·7	**−28·4**	−26·3	−19·8	−13·1	− 8·4	− 1·1	+ 8·8	+17·5	**+24·4**	+21·2	+17·7	+13·8	+11·3	+ 8·0	+ 5·5
July ...	+ 5·3	+ 4·8	+ 4·8	+ 2·8	+ 1·0	− 6·5	−14·2	−20·5	−29·3	−32·3	**−33·0**	−22·9	−12·6	+ 2·5	+12·3	+18·5	+20·6	**+23·9**	+19·6	+16·6	+12·4	+ 9·8	+ 8·9	+ 7·5
Aug. ...	+ 6·9	+ 5·8	+ 6·0	+ 3·6	+ 2·5	− 0·6	− 5·5	−12·3	−20·5	**−22·8**	**−22·8**	−20·2	−13·6	− 6·0	+ 0·7	+ 7·3	+ 9·7	+13·6	**+16·1**	+15·2	+13·0	+10·8	+ 7·1	+ 6·0
Sept. ...	+ 7·7	+ 7·0	+ 7·4	+ 5·8	+ 5·8	+ 6·3	+ 3·0	− 5·1	−15·3	−19·5	**−23·0**	−18·7	−13·4	− 5·9	− 4·9	+ 0·3	+ 3·2	+ 8·1	**+11·0**	**+11·0**	+ 6·4	+ 7·6	+ 7·5	+ 7·7
Oct. ...	+ 8·7	+ 8·5	+ 7·3	+ 7·0	+ 7·6	**+ 9·0**	+ 4·8	− 3·0	−15·0	−22·7	**−25·5**	−20·7	−14·7	− 8·7	− 1·2	+ 2·8	+ 4·6	+ 7·0	+ 7·0	+ 7·6	+ 7·5	+ 8·1	+ 7·7	+ 6·3
Nov. ...	+ 4·0	+ 3·7	+ 4·1	+ 4·7	+ 6·3	**+ 6·7**	+ 4·0	+ 1·1	− 5·8	−12·5	**−14·9**	−12·9	−10·5	− 5·5	− 2·8	− 0·3	+ 3·4	+ 4·1	+ 3·5	+ 4·7	+ 4·1	+ 3·9	+ 3·4	+ 3·5
Dec. ...	− 0·9	− 1·9	− 0·7	+ 0·6	+ 1·3	+ 2·7	+ 2·4	+ 1·5	− 1·4	− 3·0	− 4·2	**− 4·4**	− 2·0	− 0·2	+ 0·6	+ 0·3	+ 2·0	+ **3·3**	+ 2·5	+ 2·4	+ 0·9	− 0·3	− 1·7	+ 0·2
Year ...	+ 5·8	+ 4·9	+ 5·2	+ 5·1	+ 5·0	+ 4·1	+ 0·4	− 5·7	−14·2	−20·1	**−23·3**	−20·9	−14·5	− 7·6	− 1·9	+ 3·3	+ 7·7	+11·4	**+11·9**	+11·6	+ 9·5	+ 8·5	+ 7·1	+ 6·5
Winter ...	+ 3·4	+ 2·3	+ 2·9	+ 3·7	+ 3·9	**+ 4·7**	+ 3·7	+ 1·3	− 3·3	− 7·5	−11·2	**−12·4**	− 9·8	− 5·9	− 3·1	− 1·3	+ 1·9	+ 3·5	+ 4·1	+ 4·6	+ 4·1	+ 3·7	+ 2·9	+ 3·6
Equinox ...	+ 8·6	+ 8·1	+ 7·7	+ 7·3	+ 8·4	+ 9·1	+ 5·8	− 2·6	−14·2	−23·2	**−29·1**	−27·0	−19·7	−11·5	− 5·0	+ 0·5	+ 5·6	+ 9·5	+11·0	**+12·0**	+10·8	+10·3	+ 9·3	+ 8·5
Summer ...	+ 5·5	+ 4·5	+ 5·1	+ 4·4	+ 2·7	− 1·5	− 8·2	−15·9	−25·1	**−29·7**	−29·5	−23·3	−14·0	− 5·4	+ 2·3	+10·6	+15·5	**+21·4**	+20·7	+18·3	+13·7	+11·4	+ 9·1	+ 7·7

DECLINATION (QUIET DAYS).

57. Lerwick. **1927.**

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

VERTICAL FORCE (QUIET DAYS).

58. Lerwick. **1927.**

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

DIURNAL INEQUALITIES OF THE TERRESTRIAL MAGNETIC ELEMENTS.—SELECTED DISTURBED DAYS.

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

HORIZONTAL FORCE (DISTURBED DAYS).

59. Lerwick. **1927.**

Month and Season.	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	−18·5	− 15·6	−11·7	− 9·4	− 3·0	− 1·5	+ 2·0	+ 1·2	− 4·8	− 5·0	−11·3	−12·7	+ 0·3	+ 5·8	+ 14·4	+ 26·6	**+ 68·0**	+ 52·9	+20·0	−22·0	**−54·7**	− 7·0	+ 5·7	−19·7
Feb. ...	−20·9	− 5·5	−12·6	−18·1	− 3·6	− 0·6	+ 3·4	− 1·2	− 3·9	− 4·2	−11·6	−11·2	−10·2	− 4·2	+ 5·9	+ 13·2	+ 27·0	+ 23·4	+24·8	**+28·3**	+24·0	+18·1	− 9·9	**−50·4**
Mar. ...	−81·4	**−106·1**	−70·2	−46·0	−49·1	−34·0	−24·0	−17·3	−21·8	−22·4	−12·1	+ 0·4	+17·6	+ 45·1	+ 73·6	**+100·6**	+ 95·9	+ 99·6	+85·6	+45·5	+29·4	+16·0	−30·7	−94·2
April...	−21·7	− 21·5	−25·1	−17·0	−24·1	−30·9	−23·9	−25·2	−42·7	−52·5	**−58·9**	−16·2	+14·9	+ 49·9	+ 74·1	**+115·2**	+110·7	+ 31·3	+ 7·1	+ 8·8	− 8·7	− 5·3	−19·9	−18·4
May ...	−15·7	− 34·5	−29·8	−15·9	−44·2	−46·3	−46·1	**−50·7**	−42·7	−32·1	−37·0	−17·9	+ 4·8	+ 16·9	+ 84·5	**+ 90·7**	+ 77·5	+ 66·7	+48·6	+33·9	+20·4	−11·5	− 9·3	−10·3
June...	− 8·1	− 9·7	− 6·4	− 9·6	−11·2	−22·5	−15·4	−19·9	−36·9	−36·1	**−44·2**	−25·9	−13·0	+ 8·9	+ 13·1	+ 30·5	+ 38·4	+ 37·9	**+42·4**	+39·4	+37·2	+14·1	+ 1·9	− 4·9
July ...	+ 0·7	− 41·0	−75·1	−35·0	−26·5	**−76·7**	−48·4	−24·5	−25·8	−30·7	−31·0	− 5·4	+21·4	+ 22·7	+ 49·2	**+ 63·7**	+ 43·6	+ 58·1	+47·7	+36·4	+32·7	+29·2	+12·1	+ 2·6
Aug....	−88·5	− 85·1	**−91·7**	− 7·9	+14·8	+20·6	− 5·1	−27·9	−17·0	−21·7	− 5·6	− 8·2	+18·9	+ 30·0	+ 25·9	+ 50·5	+ 84·1	**+101·7**	+92·7	+61·0	+28·1	0·0	−80·7	−88·9
Sept....	− 8·0	− 14·3	−13·5	− 7·5	− 3·5	− 2·5	−11·0	−21·9	−27·4	**−28·1**	−20·7	−15·3	− 4·3	+ 2·3	+ 11·4	+ 17·7	+ 33·8	+ 34·1	**+38·3**	+20·1	+ 4·1	+ 9·3	+ 6·2	+ 0·7
Oct. ...	−24·1	− 50·9	−55·9	−57·0	−65·4	−69·4	−49·9	−47·9	−30·2	−25·9	−36·4	+44·7	+79·0	+105·9	+107·0	**+125·5**	+108·9	+ 72·0	+ 1·2	+13·6	+16·3	−20·5	**−74·3**	−66·3
Nov....	**−11·7**	− 4·6	+ 1·9	+ 2·3	+ 6·6	**+12·9**	+11·7	+ 6·8	+ 1·9	− 2·9	− 6·0	− 1·9	+ 1·1	+ 2·4	+ 2·7	+ 6·3	+ 6·6	− 1·9	− 6·7	− 1·8	− 3·5	−10·5	− 7·0	− 4·7
Dec. ...	−24·9	**− 30·8**	− 3·5	+ 1·0	+ 0·8	+10·7	+ 6·4	+ 5·4	− 1·2	− 3·2	− 5·1	− 1·9	+ 7·3	+ 10·8	+ 11·6	**+ 31·8**	+ 4·2	+ 18·3	+10·4	+ 2·4	− 7·7	− 9·0	−19·1	−14·7
Year...	−26·9	**− 35·0**	−32·8	−18·3	−17·4	−20·0	−16·7	−18·6	−21·0	−22·1	−23·3	− 6·0	+11·5	+ 24·7	+ 39·5	+ 56·0	**+ 58·2**	+ 49·5	+34·3	+22·1	+ 9·8	+ 1·9	−18·7	−30·8
Winter	−19·0	− 14·1	− 6·5	− 6·1	+ 0·2	+ 5·4	+ 5·9	+ 3·1	− 2·0	− 3·8	− 8·5	− 6·9	− 0·4	+ 3·7	+ 8·7	+ 19·5	**+ 26·5**	+ 23·2	+12·1	+ 1·7	−10·5	− 2·1	− 7·6	**−22·4**
Equinox	−33·8	**− 48·2**	−41·2	−31·9	−35·5	−34·2	−27·2	−28·1	−30·5	−32·2	−32·0	+ 3·4	+26·8	+ 50·8	+ 66·5	**+ 89·7**	+ 87·3	+ 59·3	+33·1	+22·0	+10·3	− 0·1	−29·7	−44·5
Summer	−27·9	− 42·6	**−50·7**	−17·1	−16·8	−31·2	−28·7	−30·7	−30·6	−30·1	−29·5	−14·3	+ 8·0	+ 19·6	+ 43·2	+ 58·9	+ 60·9	**+ 66·1**	+57·9	+42·7	+29·6	+ 7·9	−19·0	−25·4

DECLINATION (DISTURBED DAYS).

60. Lerwick. **1927.**

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

VERTICAL FORCE (DISTURBED DAYS).

61. Lerwick. **1927.**

	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	−16·8	− 16·7	− 17·1	−17·3	**−19·5**	−17·5	−17·7	−13·7	−14·1	− 8·1	− 6·1	− 2·7	+10·3	+13·7	+11·9	+23·4	+ 29·6	+ 21·8	**+36·6**	+22·2	+ 0·4	+ 5·0	+ 9·0	− 16·6
Feb. ...	−40·8	− 25·5	− 26·7	−31·9	−24·4	−16·5	−13·4	−11·5	− 9·9	− 3·1	+ 0·8	+ 2·7	+ 3·2	+ 6·9	+10·7	+18·5	+ 21·8	+ 37·3	+39·6	+42·1	**+44·9**	+35·3	−14·2	**− 45·3**
Mar. ...	−92·8	−101·1	**−111·0**	−91·9	−77·0	−73·5	−49·8	−33·5	−16·6	+ 0·3	+14·9	+24·5	+41·1	+51·8	+62·7	+90·8	**+116·5**	+108·8	+95·7	+47·0	+60·3	+46·4	− 7·5	−106·1
April...	−35·9	− 39·0	− 43·4	−29·0	−43·1	−54·7	**−55·7**	−43·0	−21·6	− 5·2	+14·1	+17·1	+32·3	+53·0	+69·4	+78·0	**+80·9**	+ 69·7	+41·1	+25·0	− 7·8	−22·2	−29·5	− 50·3
May ...	−34·4	− 55·5	− **78·6**	−77·0	−69·3	−49·6	−39·9	−16·1	+ 0·8	+ 6·3	+12·8	+14·8	+16·1	+49·4	**+75·7**	+67·7	+ 64·0	+ 49·1	+50·8	+41·8	+28·9	− 1·6	−24·3	− 31·9
June ...	**−25·6**	− 21·5	− 18·3	−10·4	−11·9	− 9·0	−13·9	− 8·8	− 5·7	− 8·1	− 8·2	− 6·3	− 3·4	+ 4·5	+20·1	+32·4	**+ 34·9**	+ 34·4	+27·1	+25·0	+11·3	− 0·3	−15·0	− 23·5
July ...	−15·3	− 18·6	**− 74·1**	−53·6	−25·4	−22·7	−28·0	−14·7	+ 4·3	+ 4·6	+ 9·5	+10·4	+23·2	+30·9	+28·2	**+38·7**	+ 29·7	+ 26·2	+24·3	+22·6	+14·0	− 1·7	− 2·2	− 10·1
Aug. ...	−51·1	− 35·6	− **68·2**	−46·7	−31·3	−25·9	−21·9	−21·0	− 8·0	+ 5·5	+18·5	+28·5	+40·1	+36·4	+27·0	+25·9	+ 53·1	**+ 71·3**	+60·1	+48·0	+ 5·0	−18·7	−39·5	− 51·7
Sept....	**−48·0**	− 47·4	− 39·6	−35·8	−24·0	−15·4	− 7·6	− 0·8	+ 1·2	+ 2·3	+ 4·3	+ 9·7	+15·1	+20·7	+36·1	+45·5	+ **46·1**	+ 41·1	+32·9	+28·1	+ 5·7	−26·3	−18·9	− 25·0
Oct. ...	−52·2	− 67·5	− **73·1**	−72·1	−51·8	−35·8	−28·3	−10·9	−13·1	+ 2·4	+42·6	+60·3	+50·9	**+82·1**	+71·0	+48·4	+ 54·9	+ 39·7	+39·7	+20·4	+10·2	−17·5	−43·3	− 57·0
Nov....	**−19·9**	− 17·1	− 15·0	−13·3	−12·3	−14·6	−14·3	−12·9	−12·1	− 7·3	− 4·4	− 4·3	− 1·2	+ 7·1	+ 9·9	+12·3	+ 21·9	+ **27·4**	+25·1	+23·1	+15·8	+10·5	− 0·1	− 4·5
Dec. ...	−28·7	**− 32·8**	− 28·7	−23·1	−22·8	−26·7	−21·0	−16·3	−11·8	− 7·5	− 4·4	− 1·9	+ 2·6	+21·7	+33·6	+36·7	+ 40·9	+ 42·4	**+49·3**	+26·8	+11·3	− 0·4	−12·1	− 27·0
Year...	−38·5	− 39·9	− **49·5**	−41·8	−34·4	−30·2	−25·9	−16·9	− 8·9	− 1·5	+ 7·9	+12·7	+19·2	+31·5	+38·0	+43·2	+ **49·5**	+ 47·4	+43·5	+31·0	+16·7	+ 0·7	−16·5	− 37·4
Winter	**−26·5**	− 23·1	− 21·9	−21·4	−19·8	−18·8	−16·6	−13·6	−11·9	− 6·5	− 3·5	− 1·5	+ 3·7	+12·3	+16·5	+22·7	+ 28·5	+ 32·2	**+37·6**	+28·5	+18·1	+12·6	− 4·3	− 23·4
Equinox	−57·2	− 63·7	− **66·8**	−57·2	−49·0	−44·9	−35·3	−22·0	−12·5	− 0·1	+19·0	+27·9	+34·8	+51·9	+59·8	+65·7	+ **74·6**	+ 64·8	+52·3	+30·1	+17·1	− 4·9	−24·8	− 59·6
Summer	−31·6	− 32·8	− **59·8**	−46·9	−34·5	−26·8	−25·9	−15·1	− 2·1	+ 2·1	+ 8·1	+11·9	+19·0	+30·3	+37·7	+41·2	+ **45·4**	+ 45·3	+40·6	+34·4	+14·8	− 5·6	−20·3	− 29·3

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1927.

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

62. Lerwick. **1927.**

Month and Season.	"All" Days.			Quiet Days.			Disturbed Days.		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January ...	21·7	7·02	25·1	16·2	4·55	8·7	122·7	12·65	56·1
February ...	24·0	8·19	33·0	28·6	4·99	7·9	78·7	16·98	90·2
March ...	48·4	11·07	69·7	43·8	11·75	12·8	206·7	18·45	227·5
April ...	72·7	12·66	42·2	58·9	14·11	10·6	174·1	11·98	136·6
May ...	72·0	12·68	34·3	62·0	12·45	18·0	141·4	16·98	154·3
June ...	69·4	12·46	16·0	52·8	12·00	20·3	86·6	13·66	60·5
July ...	65·8	11·78	24·9	56·9	11·62	14·7	140·4	18·95	112·8
August ...	58·6	11·16	39·4	38·9	9·96	7·2	193·4	18·87	139·5
September	41·0	10·16	42·3	34·0	8·87	10·0	66·4	13·86	94·1
October ...	48·4	9·40	53·9	34·5	8·17	6·2	199·8	14·80	155·2
November...	19·1	5·92	11·2	21·6	4·31	5·1	24·6	11·83	47·3
December ...	15·2	6·56	21·3	7·7	3·35	3·4	62·6	13·83	82·1
Year ...	42·8	8·67	30·6	35·2	8·66	5·3	93·2	10·67	99·0
Winter ...	15·8	6·85	21·4	17·1	4·11	4·5	48·9	12·89	64·1
Equinox ...	52·0	9·98	49·3	41·1	10·73	5·7	137·9	10·48	141·4
Summer ...	64·8	11·64	26·6	51·1	11·31	12·6	116·8	15·39	105·2

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY.

63. Lerwick. **1927.**

"All" Days.			Quiet Days.			Disturbed Days.		
H.	D.	V.	H.	D.	V.	H.	D.	V.
γ	′	γ	γ	′	γ	γ	′	γ
4·3	1·68	6·4	3·9	1·06	2·1	16·4	3·61	15·3
5·9	2·20	8·6	7·7	1·33	1·7	14·0	4·52	22·0
11·5	3·03	18·5	11·5	2·43	2·0	50·8	4·61	63·4
14·1	2·80	11·2	15·0	2·62	3·3	34·3	2·40	40·0
17·6	3·11	9·2	14·9	2·67	5·2	37·0	4·42	39·9
15·3	3·05	3·8	12·1	2·89	5·3	22·0	4·12	15·8
17·3	2·99	5·5	14·3	2·75	3·1	35·0	4·14	22·2
14·5	2·50	9·0	10·4	2·04	1·9	44·0	5·28	35·0
9·3	2·60	10·5	8·8	1·99	2·6	14·8	3·48	24·1
12·6	2·04	17·1	9·3	1·83	1·8	56·2	3·38	43·5
3·9	1·62	3·3	5·4	1·12	1·1	5·3	2·88	12·8
3·3	1·71	6·0	1·7	0·85	0·7	10·1	3·91	22·1
9·4	2·33	8·6	9·0	1·88	1·3	25·6	2·23	28·4
3·9	1·73	6·0	4·5	1·08	1·1	9·2	3·46	17·7
10·9	2·57	14·2	11·0	2·17	1·4	37·4	2·59	41·5
15·7	2·89	6·5	12·7	2·57	3·3	32·9	4·34	27·6

NON-CYCLIC CHANGE (24h.—0h.).

64. Lerwick. **1927.**

Month.	"All" Days.			Quiet Days.			Disturbed Days.		
	H.	D.	V.	H.	D.	V.	H.	D.	V.
	γ	′	γ	γ	′	γ	γ	′	γ
January ...	0·0	−0·10	+1·6	+5·6	−0·28	+9·2	−57·2	−8·56	−24·2
February ...	−1·0	−0·20	+1·9	+4·0	+0·18	+9·2	−12·6	−2·78	+2·4
March ...	+1·9	+0·24	−0·5	+2·4	+0·04	−2·4	−73·6	+4·66	−50·2
April ...	−1·7	−0·04	+2·1	+6·0	+0·42	+2·2	−34·8	+0·08	−4·0
May ...	+0·6	−0·13	−1·2	+3·0	−0·16	−2·4	−23·4	−1·02	−11·4
June ...	+0·2	+0·13	+2·1	+2·2	+0·28	−9·0	−28·2	−3·36	−17·2
July ...	−1·3	−0·09	−2·3	+5·4	+0·36	−1·0	−2·2	−1·52	−3·0
August ...	+0·9	−0·27	+3·9	+3·4	−0·36	+4·8	−20·7	−0·40	−5·6
September...	−0·1	−0·09	−0·5	+0·6	+0·44	+2·4	−16·2	−1·86	−14·6
October ...	−0·3	−0·11	+0·2	+5·2	+0·08	−8·6	−18·6	+0·38	+1·0
November...	−0·1	−0·02	+1·3	+1·8	+0·10	+4·8	−3·2	−0·42	+9·0
December ...	0·0	+0·07	−1·6	+3·4	+0·12	−7·2	−20·6	−4·34	−21·4
Year 1927...	—	—	—	—	—	—	—	—	—

MEAN VALUES OF THE SQUARES OF THE ABSOLUTE DAILY RANGES.**

(Unit, $100\gamma^2$.)

65. Lerwick. **1927.**

R_H^2	R_D^2	R_V^2	$R_H^2 + R_D^2$	$R_H^2 + R_D^2 + R_V^2$	Mean Character Figure.
	′				
303·9	116·1	110·2	420·0	530·3	0·55
190·6	86·5	119·4	277·1	396·5	0·79
713·3	170·8	461·9	884·0	1345·9	0·94
*325·6	92·8	153·6	*421·0	*577·4	0·67
343·5	121·4	185·4	464·9	650·3	0·87
99·1	57·3	†53·6	156·3	†220·9	0·60
378·7	119·8	219·7	498·6	718·3	0·65
294·0	109·5	212·0	403·5	615·5	0·45
105·2	87·0	101·6	192·2	293·8	0·57
‡709·9	219·3	334·6	‡934·2	‡1279·4	0·97
25·4	40·9	24·9	66·3	91·2	0·50
160·7	88·4	68·7	249·1	317·8	0·65
304·2	109·1	170·5	413·9	586·4	0·68

* Mean of 29 days ; † Mean of 25 days ; ‡ Mean of 30 days.

** R_D in this Table is used to signify the range in declination converted into units of force of the component perpendicular to the magnetic meridian. See also p. 31.

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days except those noted in monthly tables.)

66. Lerwick. **1927.**

Month.	North Component.	West Component.	Vertical Component.	Total Force.	Declination (West.)		Inclination (North).		Horizontal Force.
	γ	γ	γ	γ	°	′	°	′	γ
January ...	14113	3765	46675	48907	14	56·2	72	37·3	14607
February ...	14117	3762	46708	48940	14	55·3	72	37·8	14610
March ...	14117	3757	46679	48911	14	54·1	72	37·1	14608
April ...	14122	3752	46727	48958	14	52·7	72	38·1	14612
May ...	14125	3745	46746	48977	14	50·9	72	38·4	14614
June ...	14143	3748	46739	48976	14	50·6	72	37·1	14631
July ...	14127	3737	46687	48920	14	48·9	72	37·2	14613
August ...	14116	3730	46709	48938	14	48·1	72	38·5	14600
September ...	14115	3727	46737	48964	14	47·5	72	39·2	14599
October ...	14108	3718	46714	48940	14	45·9	72	39·3	14590
November ...	14121	3717	46708	48938	14	44·7	72	38·4	14602
December ...	14120	3713	46732	48959	14	43·9	72	39·0	14600
Year 1927 ...	14120	3739	46713	48944	14	49·9	72	38·1	14607

67. Lerwick. **1927.**

Date.		Month.
		January.
2	...	
3	...	Showers.
4	Ш	Glow visible through breaks in clouds 19·00-23·00.
5	Ш	Faint glow 18·20-18·45.
6	Ш	Weak glow 19·23-20·45 (eclipsed by cloud).
7	Ш	Faint glow 17·30-23·00 (eclipsed by cloud).
8	Ш	Faint glow 20·40-23·00.
11	...	Moonlight.
12	...	Rain.
13	...	Rain.
14	...	Moonlight, showers.
15	...	Moonlight.
16	...	Moonlight.
17	...	Moonlight, showers.
18	...	Moonlight.
19	...	Moonlight.
20	...	Moonlight.
22	...	Moonlight.
23	...	Rain.
25	Ш	Glow 21·20-01·00.
27	...	
29	...	Rain.
30	...	
31	...	
		February.
1	Ш	Glow 21·20-01·00.
3	Ш	Glow 20·05-21·45.
4	Ш	Glow 21·00-01·00.
6	...	Drizzle.
7	...	
8	...	Moonlight.
10	...	Moonlight.
11	...	Moonlight.
12	...	Moonlight.
13	...	Rain.
14	...	Moonlight.
18	...	Moonlight.
20	...	
21	...	
23	...	
24	...	Rain.
25	Ш	Glow visible through breaks in clouds 20·45-01·20.
26	Ш	Glow visible through breaks in clouds 22·00-22·28.
27	Ш	Glow visible through breaks in clouds 21·00.
		March.
1	...	Rain.
3	Ш	Glow 20·35-22·30.
5	...	Rain.
6	Ш	Glow visible through breaks in clouds 19·45-22·10.
7	...	
8	Ш	Bright glow 23·00-00·30.
9	Ш	Glow visible through breaks in clouds 22·30-23·30.
10	...	Moonlight.
11	Ш	Moonlight, moderate aurora 20·55-21·53.
12	...	Moonlight.
13	...	Moonlight.
14	...	Moonlight.
15	...	Moonlight.
16	...	Moonlight.
17	...	Moonlight.
20	...	Rain.
21	...	
22	Ш	Faint glow 22·00-23·30.
24	...	Rain.
27	Ш	Glow visible through breaks in clouds 22·45-23·00.
28	Ш	Glow visible through breaks in clouds 21·50.
29	...	Rain.
30	...	Rain.
31	Ш	Faint glow 23·00.
		April.
1	Ш	Glow visible through breaks in clouds 20·20-23·00.
2	Ш	Glow 20·40-00·10.
4	Ш	Weak glow 00·20-00·52. Glow visible through breaks in clouds 21·20-23·00.
5	...	Rain, moonlight.
6	...	Moonlight.
8	...	Rain, moonlight.
9	Ш	Moonlight, auroral glow 21·00-21·15.
10	...	
11	...	Moonlight.
12	...	Moonlight.
13	...	Moonlight.
14	...	Rain.
15	Ш	Weak glow 20·55-22·00.
16	...	Showers.
17	...	Moonlight.
20	...	Rain.
21	...	Snow.
22	Ш	Glow visible through breaks in clouds 20·15-20·48.
23	...	Snow showers.
25	...	
26	...	
28	...	
29	...	
		May.
3	Ш	Diffuse glow 21·05-21·20.
5	Ш	Bright glow 23·50-00·35.
17	Ш	Weak glow 23·10-23·20.
20	Ш	Bright aurora 22·40-23·45.
29	Ш	Moderate aurora 21·16-00·57.
31	Ш	Glow 23·10-00·15.
		September.
2	...	
5	...	Moonlight.
6	...	Moonlight.
7	...	Rain.
8	...	Moonlight.
9	...	Drizzle.
10	Ш	Glow visible through breaks in clouds 20·20-01·40.
11	...	Moonlight.
12	...	Moonlight.
13	...	Moonlight.
14	...	Moonlight.
15	...	Rain.
16	...	Rain, moonlight.
17	...	Showers.
18	...	Rain.
19	...	
20	...	Showers.
21	Ш	Glow 20·20-01·30.
22	...	Showers.
23	...	
24	...	Showers.
25	...	
26	...	
27	Ш	Weak aurora visible through breaks in clouds 20·20-23·00.
28	Ш	Glow 22·40-00·20.
29	Ш	Moderate aurora 20·40-23·50.
30	Ш	Glow visible through breaks in clouds 20·00-21·40.
		October.
1	...	
2	Ш	Glow visible through breaks in clouds 20·00-23·00.
3	...	
8	...	
12	...	
13	...	Drizzle.
14	...	Drizzle.
15	...	
16	...	
17	...	Rain.
19	Ш	Aurora visible through breaks in clouds 20·20-24·00.
20	Ш	Moderate aurora 19·20-23·50.
21	...	
22	Ш	Moderate aurora, partially obscured by cloud 23·00-02·30.
23	Ш	Glow visible through breaks in clouds 20·00-01·20.
24	...	
26	...	
27	Ш	Weak glow visible through breaks in clouds 20·30-21·00.
28	...	Rain.
29	...	
31	...	
		November.
2	...	
3	...	Rain.
4	...	Moonlight.
5	...	Moonlight.
6	...	Rain.
7	...	Moonlight.
8	...	Sleet showers.
9	...	Sleet showers.
10	...	Snow, moonlight.
11	...	Moonlight.
12	...	Moonlight.
13	...	
14	...	Rain, moonlight.
15	...	
16	...	Rain.
18	Ш	Glow visible through breaks in clouds 18·08-03·30.
19	Ш	Glow visible through breaks in clouds 19·20-01·15.
20	...	Rain.
21	...	
24	...	Rain.
27	Ш	Glow 19·00-23·50.
29	Ш	Weak aurora 17·55-24·00.
30	...	
		December.
2	...	
4	...	
5	...	
7	...	
10	...	
11	...	Moonlight.
12	...	Moonlight.
13	Ш	Much bright aurora 18·12–22·40.
14	...	Snow.
15	Ш	Glow visible through breaks in clouds 19·15–23·00.
16	...	
17	Ш	Glow 19·00–20·05.
18	Ш	Moderate aurora 18·15–23·45.
19	...	
20	...	
22	Ш	Glow 19·00–00·30.
23	...	
24	Ш	Glow 19·00–00·30.
25	Ш	Glow 19·00–00·15.
26	...	
27	...	
28	Ш	Moderate aurora 21·20–23·00.
29	...	Moonlight.
30	...	Moonlight.
31	...	Moonlight.

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

Date	Month
	January.
1	G.C.; A.; Craibstone, 22·20 onwards.
3	H. glow over northern horizon, 23·30 to 01·30.
4	B., 19·00; G.C.; A.; H. glow W. to N.E., 19·25 to 22·30.
5	H. glow, 21·00 to 23·00; G.C.
6	H. glow, 19·00 to 23·00.
7	B., 17·00; H. very bright display, 16·25 to 23·30; D.; A.; Craibstone, 17·30 to 20·45; Arbroath, 22·30; Fair Isle North, 17·00 to 21·00; Sumburghead, 17·00 to 18·30 in N.; Stourhead, 21·00 to 21·15; Eskdalemuir, 17·50 to 18·50.
8	H. faint glow, W. to N.E., 21·45 to 22·30.
23	H. faint glow, 20·30 to 21·00.
25	B.; D.; H. moderate, 20·00 to 04·45; Auskerry, 23·00.
27	B.; H. glow above bank of cloud along horizon, 21·00 to 23·30.
29	H glow, W. to N.E., 19·00 to 20·15; B., 20·00.
30	H. glow W. to N.E., and streamers low on horizon to N.W., 19·00 to 21·30; B.
31	H. glow W. to N.E., 19·15 to 23·00.
	February.
1	H. bright glow, 19·00 to 21·00; D.; G.C.
2	H. arch, W. to E.N.E., 02·00 to 04·00; B.
3	H. glow, 19·00 to 23·00.
4	H. arch and streamers, 02·00 to 03·05, glow visible through breaks in clouds, W. to N.E., 18·45 to 19·25; B.
8	Kirkwall, 23·00, low N.W.
12	Stourhead, 19·30 to 20·30.
18	B., 20·00; Kirkwall, 20·00, streamers N. to zenith.
21	H. glow above western horizon, 21·30 to 22·10.
23	H. faint glow above northern horizon, 21·30 to 23·00.
24	D.; G.C.; Stourhead, 21·00 to 04·00; Glas Island, display, 20·00 to 24·00; Craibstone, 22·00; Carnoustie, 21·00 in N.E.; Inchkeith, 21·40 in N.N.W.; Maughold Head, bright display, 21·15 to 22·20 from N. to N.E.; Eskdalemuir, 21·00 to 21·30.
25	H bright, 21·00 to 23·30, N.W. to E.; B., 23·50; Stourhead, 22·00 to 03·30; Ft. Augustus.
26	H. glow, W. to N.E, 20·30 to 23·00.
	March.
3	H. glow, N.W. to N.E., 20·15 to 22·00; D, 20·00.
6	B., 20·00; H. bright glow, W. to N.E., 20·45 to 22·15; A. faint green yellow glow to N.N.W., 23·00; Skerryvore, 19·30 to 21·00.
7	H. glow, W.N.W. to N.N.E., streamers above N.W. horizon, 22·15 to 23·00; B.
8	Stourhead, 23·00 to 05·30.
9	H. N.W. to N.E., streamers in N, 21·15 to 23·00; B.; Kirkwall, N.W., 23·00; Stourhead, 21·00 to 03·3c; Rudh Re, N., 03·00 to 05·00; Glas Island, 20·00 to 02·00; Skerryvore, 22·00 to 23·30.
11	B.; H. streamers to N.N.W., 22·00, curtain to N.W., 22·05, fainter, 22·10; D.; Stornoway.
12	Stornoway.
16	Stourhead, 22·20 to 22·30.
17	Stourhead, 21·00 to 21·30; G.C
22	Fair Isle North, 21·00 to 21·15; D.
26	G.C.
27	B.; Kirkwall, low N., 22·00.
28	B.; H. glow N.W. to N.E., 21·15 to 22·30; Hyskier, 00·00 to 03·00.
30	B.
31	B.; H. glow, W. to N.E., streamers along horizon, 21·15 to 22·30; Bressay, 21·00 to 22·00.
	April.
1	B.; H. glow, W. to N.E., 21·30 to 23·00; Wick; Stourhead, 23·00 to 24·00.
2	B.; H. glow, W. to N.E., 21·00 to 22·45; Wick.
3	Stourhead, 21·30 to 22·30.
4	H. glow, W. to E.N.E., 21·20 to 22·30.
7	Helensburgh, N, 21·00.
11	Renfrew.
20	G.C.
23	H. bright glow, W. to N.E., 21·30 to 23·00.
24	Inchkeith, N.W., 24·00.
29	B., 22·30; Pentland Skerries, 24·00; Inchkeith, N.N.W. to N.E., 24·00; Turnberry (L), display lasting about one hour observed midnight.
	May.
1	B.
4	Edinburgh, bright, 23·00.
5	Edinburgh, 21·00.
8	B., 23·00.
9	G.C.
	June.
9	A.
29	D.
	July.
29	Kirkwall, streamers N.W., 23·00
	August.
1	Auskerry, 22·30 to 23·30.
20	B., 22·00; Bressay, 22·00 to 02·00.
21	Turnberry.
25	Ardnamurchan, 23·00.
29	B., 21·00; Kirkwall, W. to N.E., 22·00; D.; A. faint arch glow, after 21·15; Auskerry, 21·30 to 23·30; Copinsay, between 21·00 and 24·00
	September.
7	Kirkwall, low N.W., 23·00.
8	D.
9	B., 03·00.
14	Kirkwall, low N.N.W., 21·30.
20	H. glow W. to N.E., 21·15 to 22·00; Kirkwall low N.N.W., 22·00.
21	H. glow N.W. to N.E., 19·30 to 21·00.
22	H. glow W. to E.N.E., 20·15 to 21·30.
25	A. faint glow to N.N.W., after 22·30.
26	H. glow W.N.W. to N.N.E., 21·30 to 22·15.
27	H glow, W. to E.N.E., 21·15 to 22·00.
28	H. glow, W. to N.E., streamers in north, 21·30 to 22·30.
29	B., 17·00, green streamers; H. W. to E.N.E., 22·00 to 00·30; Bressay, 21·00 to 24·00; A. faint glow, 21·30, bright momentarily at 21·34.
30	D., 20·00; A. moderate glow, N.N.W., from 19·00.
	October.
1	H. glow W. to N.E., 21·30 to 23·00; D., 20·00.
2	H. bright glow, W to N.E., 21·00 to 22·30; Arbroath; A. faint, occasional streamer, N.N.W., after 21·00.
7	Kirkwall, 23·45; D.; A. very faint arch glow, 21·00; Pentland Skerries, 23·30; Hellyar Holm, 23·00 to 24·00; Wick; Dunnet Head brilliant display, from 22·30; Copinsay, from 24·00.
8	D.
16	A. faint glow, 24·00.
19	B.; H. glow W. to N.E., 19·45 to 22.00; Wick; Craibstone, N.N.W., 20·00.
22	H. glow, W. to N.E., 20·00 to 22·00.
23	B., 20·00; H. glow, W. to E., 20·30 to 22·15; Bressay, 01·00 to 02·00.
	November.
13	Mull of Kintyre, bright, N.E., from 21·00.
16	H. glow, W. to E.N.E., 21·30 to 23·00; Kirkwall, 24·00; Pentland Skerries, 23·15; Wick.
18	B.; H. glow, 19·00 to 23·30.
27	B.; D., 20·00; G.C.; Wick.
29	B.; H. glow, W. to N.E., 18·00 to 19·00, fairly bright aurora, W. to N.E., 19·15 to 22·00, arch, W. to N.E., 22·30 to 23·00; D.
30	D.; G.C.
	December.
1	H. glow, 20·45 to 23·00.
13	B., 18·00; H. bright, bands, streamers, glow, 18·20 to 22·00; Kirkwall; D.; Craibstone, 19·30 to 21·15; Arbroath, N.E., 21·00; Hellyar Holm, 18·00 to 02·00; Copinsay, 18·00 to 21·00; Auskerry, 19·00 to 20·40; Fair Isle North, 20·00 to 21·30; Dunnet Head, bright display, from 17·00; Monach Island, 19·30 to 03·00; Oronsay, bright display, 20·00 to 21·00; Sound of Mull; Stornoway.
14	G.C.
15	H. faint glow, W. to N.E., 20·45 to 22·30; B., 21·00; G.C.
16	B.; H. faint glow, N.W. to N.E., 18·30 to 23·00.
17	B.; H. faint glow, W. to E.N.E., 19·00 to 22·30.
18	B., 17·00; H. moderate aurora, arches, streamers, glow, 17·00 to 23·00; Kirkwall, low N.W.; Cantickhead, 19·00 to 20·30; Dunnet Head; Hellyar Holm, 19·00 to 24·00; Wick; Eskdalemuir, faint glow, 18·00 to 21·00.
19	B; H. faint glow, W. to N.E., 19·00 to 22·45; Auskerry, 21·00 to 23·00.
22	H. glow, W. to N.E., 19·00 to 23·00.
23	H. glow, W. to E.N.E., 19·00 to 24·00.
24	H. faint glow, N.W. to N.E., 19·00 to 23·30.
27	A.
28	B.; H. glow and broad auroral arch, 19·45 to 22·40; D.; G.C.; Auskerry, 20·00 to 21·30; Start Point, N.W. and N.E., 19·45; Bressay, 21·00 to 24·00; Dunnet Head; Holburn Head fine display, 19·30 to 20·30; Butt of Lewis brilliant display, 18·00 to 24·00; Glas Island, 20·00 to 02·00; Covesea, 22·30 to 24·00; Pentland Skerries, 21·00; Cantick Head, from 20·00; Hoy Low, in S.W., 19·00 to 21·30; Hellyar Holm, white arch from E. to W.; Eskdalemuir, 19·30 to 20·45; Stornoway; Wick; Hyskier, N.W., 18·30 to 24·00; Lismore, bright display, N., 18·00 to 24·00; Holy Island, bright display, 19·30 to 23·30.
29	Kirkwall, fine display; Oban, N.W. to N.E., bright streamers in N., colour yellow to green, then crimson; Fair Isle North, 19·45 to 20·30; Dunnet Head, all night.
30	H. faint glow, N.W. to N.E., 21·15 to 22·30.

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, H—Haroldswick, Shetland, where, from October, a continuous watch was kept.

M.O. 310
(Aberdeen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

ABERDEEN

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

1929

ABERDEEN OBSERVATORY.

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

Heights in metres above Sea-Level.

Barometer	26·0*
Rain-gauge	13·4*
Robinson Cup Anemograph	36*
Dines Tube Anemograph	21

Heights in metres above ground.

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

INTRODUCTION.

SITE.

The Observatory, which was established in 1868, is housed in the top floor of the Cromwell Tower of King's College in Old Aberdeen. The College lies on a plain gradually rising from the sea from which it is distant about 1 mile (1·6 km.). There are no serious irregularities of surface in the vicinity excepting the two river valleys of the Don and the Dee. To the north, at a distance of about 1 km. the Don flows eastwards to the sea ; the Dee flows into the sea at a distance of about 3 km. to the south-east of the College. Between the College and the sea is a golf course covered for the most part with grass. Westwards is the High Street of the Old Town and beyond this there is another street. Further west grass pasture extends for about one kilometre. Southward are some open spaces beyond which the modern town is reached. The enclosure in which the Stevenson screen, the Beckley and check rain-gauges and the grass minimum thermometer are exposed, lies to the north-east of the Observatory at a distance of about 50 metres. The "North-wall" screen in which the recording thermometers are exposed is erected on the wall outside the north window of the uppermost story of the Observatory. The nature of the soil and sub-soil is loam and sand.

Plans showing the position of the Observatory relative to the City of Aberdeen, and the general arrangement of the College Buildings, and also photographs, will be found in the Introduction to the Observatories' Year Book 1923.

Change of value adopted for height of Station above Mean Sea Level.—Consequent upon a careful redetermination of the height of the Station above Mean Sea Level a new value has been adopted for this height for all purposes, as from the 1st January, 1925. The value for the station level is now 13·4 m., and that for the height of the barometer-cistern is 26·0 m., in place of the former values of 14·0 m. and 26·8 m. respectively.

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 barograph, standard Kew barometer and thermograph are housed in the uppermost story of the Observatory. The pressure scale value of the barogram is 1 mm. on the paper = 0·85 mb., when the paper is at normal atmospheric humidity. In similar circumstances the time scale is 9·3 mm. = 1 hour. The records of the photobarograph are standardized by means of control readings taken from Fortin Standard Barometer M.O. 273. The N.P.L. certificate of this barometer shows a correction varying from −0·1 mb. to −0·2 mb. throughout the scale, at a temperature of 273 a. ; and this correction has 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

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

slightly with the temperature, but is approximately 1° absolute = 3·4 millimetres. The time scale is 1 hour = 9·23 millimetres. Reading of the photothermograms 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. to +0·2 a.; these corrections have been applied to the control readings. The heights of the barometer cisterns and of the bulbs of the thermometers are given at the top of the appropriate tables. It may here be emphasized that the bulbs of the thermometers in the North Wall Screen are at the considerable height of 12·5 metres above the ground, and that readings from these thermometers are exclusively used for this publication (except as noted below under *Humidity*) and for the corresponding summaries printed in the *Monthly Weather Report*.*

Rainfall.—The recording instrument in use is Beckley rain-gauge No. 2 with an area of 101·1 square inches (653 cm².). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment. Control is by check gauge M.O. 167.

Humidity.—On those occasions when the temperature of the wet bulb has been 273a or under, the relative humidity has been obtained from the records of a hair hygrograph. This instrument is accommodated in a small louvred screen which rests on top of the Stevenson screen and is securely fixed to it. The hygrograph is 11·6 metres below the level of the thermograph bulbs in the North-wall screen, and in using its records an appropriate adjustment is made.

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 exposure is excellent; the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0·1 hr. record about 7h between April and September. This loss has been allowed for, whenever practicable, in tabulating the records. In computing the percentage duration of sunshine the actual possible values for each day of the year 1927 have been employed, a procedure similar to that adopted last year.

Wind-Speed and Direction.—As stated in the General Introduction, the values for 1927 are tabulated from the records obtained by the Dines Pressure-tube Anemograph. This instrument is one of the "standard mounting" type, and is situated in a field about ½ km. east of the Observatory. The exposure is a more open one than is that of the Cup Anemograph, the records of which were tabulated previous to 1926. The effect of this exposure upon the recorded values is given in the Table in the General Introduction.

In a few instances where the records of the Pressure-tube instrument have been defective, the required values have been obtained from the records of the Cup instrument, a suitable adjustment of such values having been made in accordance with the data given in the above-mentioned table. Values thus obtained are entered in italics.

Temperature in the Ground.—This is recorded by a thermometer (unnumbered), which is kept at a depth of 124 cm. (four feet). At Aberdeen the thermometer is carried in a slot near the end of a long bar of wood, about three inches (7·5 cm.) square in section. This bar fits closely into a wooden sleeve, sunk vertically into the earth, so that the bulb of the thermometer is at the required depth. The thermometer itself is enclosed in a glass tube, and its bulb is embedded in paraffin wax so as to render the thermometer insensible to sudden changes of temperature. This allows of its being drawn to the surface and read before the temperature of the bulb has time to change appreciably. As underground temperature changes very slowly, the loss of sensitiveness, resulting from the coating of wax, does not lead to inaccuracies in the determination of the temperature of the earth. The thermometer is read at 9h each morning. The thermometer has a correction of −0·2 a.; this correction is applied to all readings.

Minimum Temperature on the Grass.—The grass minimum thermometer is exposed in the enclosure on two wooden pegs about 4 cm. above grass. It is set at 18h and read at 7h, the reading being entered to the day of observation. There is a correction, varying between 0·0 a. and 0·05 a., which is applied to the readings.

* 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 metre above the ground.

Cloud.—In connection with the observations of cloud-forms it might be well to indicate the practice adopted at Aberdeen in dealing with the types Nimbus and Strato-cumulus, in view of the fact that there exists among meteorologists some divergence of opinion upon these types, and also because suggestions have been made for a prospective modification in the definitions of the International Classification.

In the case of Nimbus it is the custom at Aberdeen to enter " Nb " on all occasions when the cloud layer from which rain is falling is obviously dense and has developed from A-St, even when no Fr-Nb is visible below it. This is done because it is not always certain to the observer whether the cloud layer is actually uniform low A-St developed as far as rain, or whether a slight mist-film exists below the ragged Fr-Nb., obscuring the latter from view, and thus giving it the appearance of a uniform featureless sheet. (It is probable that in future a suggestion will be made to extend the definition of A-St in the International Classification to include the dense rain-giving layer which develops from the normal A-St.)

On occasions when the low anticyclonic stratus degrades into drizzle or light rain, it is customary at Aberdeen to enter Nb-St (Nimbo-stratus). The entry " St " is reserved for the type of cloud found generally in dry anticyclonic weather.

The entry St-Cu includes only the cloud-forms as defined under that heading in the International Classification, though some of the entries might equally well have been termed A-Cu. It does not, however, include the bases of closed-up cumulus clouds, nor groups of cumulus arranged in lines.

Visibility.—In the subjoined table there is given a list of the objects used for the determination of the degree of visibility, together with their distances and bearings from the observation-point, which may be taken as the roof of the Observatory tower, the N.E. corner thereof being used for the nearer objects.

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

Definite objects exist at standard distances from A to H, but from I to M there are no definite objects, though there are adequate identification marks for K and L. Owing, however, to these marks being on the sea-coast, and to the generally clearer visibility to the seaward side of the Observatory, it has been deemed advisable to employ small letter entries for all visibility distances that are not definitely landward estimates. The distances I and J are based upon estimates between other available distances. During darkness the estimates depend upon personal judgment, and upon the degree of obscuration, and alteration in the colour, of the surrounding lights of the town.

VISIBILITY OBJECTS AT ABERDEEN.

OBJECT.	DESCRIPTION.	DISTANCE.	BEARING.
A	Bushes in the garden	26 yards.	N.E.
B	Top of finial at East end of University Library roof	55 ,,	E.S.E.
C	Gate in North wall of Athletics ground	110 ,,	E.N.E.
D	East wall of Athletics ground, and trees along it	218 ,,	E.
E	(i.) Ventilator tops on Sunnybank School	550 ,,	S.W.
	(ii.) Pressure-tube Anemograph pole	ca.550 ,,	E.
F	Top of Kiln, Seaton Brickworks	1,100 ,,	N.E.
G	(i.) Turret of Salvation Army Citadel	$1\frac{1}{5}$ miles.	S.S.E.
	(ii.) Coastguard watch-tower	$1\frac{1}{3}$,,	N.E.
H	(i.) Girdleness lighthouse-top	$2\frac{3}{5}$,,	S.E.
	(ii.) Springhill House	$2\frac{1}{2}$,,	W.
I (i)	No object. Estimate between Strabathie Hill ($3\frac{1}{2}$ miles) and Brimmond Hill ($5\frac{1}{4}$ miles).	($3\frac{1}{2}$,,)	N.N.E.
		($5\frac{1}{4}$,,)	N.W.
J (j)	No object. Estimate between Brimmond Hill ($5\frac{1}{4}$ miles) and Sea horizon (10 miles).	($5\frac{1}{4}$,,)	N.W.
		(10 ,,)	E.
K (k)	Sand-patch, mouth of Ythan River	$12\frac{1}{2}$,,	N.N.E.
L (l)	Cruden Scaurs	$18\frac{2}{3}$,,	N.N.E.
M (m)	Cannot see so far. Used when " L " object shows clear detail and colour-differences.		

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1926.

The following were the instruments actually in use during the year 1926 :—

Standard Fortin Barometer	M.O. 273
,, Dry Bulb Thermometer ..	M.O. 1698
,, Wet ,, ,, ..	M.O. 1697
Recording Beckley Raingauge	2
Control Raingauge..	M.O. 167
Glass for ,, ...	M.O. 400
Hair Hygrograph	M.O. 35
Campbell-Stokes Sunshine Recorder ..	M.O. 32
Robinson Cup Anemograph	M.O. 50
Dines Tube ,, ,, ...	M.O. 1011
Earth Thermometer	—
Grass Minimum Thermometer	M.O. 17007

Review of Meteorological Results.

Pressure.—There was a general deficiency of pressure during the year, but the monthly values in most cases did not depart greatly from the normal; January showed a deficit of 13 mb., and September one of 9 mb.; December had an excess of about 11 mb.

The mean diurnal inequalities for the months and seasons have been analysed harmonically, and the results are given in the following Table. The unit employed in calculating the values for the individual months was ·01 mb., that for the seasons and the year was ·001 mb. The phase-angles are reduced to Local Mean Time.

The inequality is supposed to be given by the expression—

$$c_1 \sin (15t^\circ + a_1) + c_2 \sin (30t^\circ + a_2) + \ldots\ldots$$

t being the time in hours since midnight.

DIURNAL VARIATION OF BAROMETRIC PRESSURE. FOURIER COEFFICIENTS. ABERDEEN OBSERVATORY. LONGITUDE 2° 6′ W.

Month or Season.	c_1	a_1	c_2	a_2	c_3	a_3	c_4	a_4
	mb.	°	mb.	°	mb.	°	mb.	°
January	0·54	18	·27	121	·11	23	·06	160
February	·03	252	·19	147	·09	341	·02	3
March	·18	175	·26	135	·07	6	·05	39
April	·17	320	·26	150	·02	130	·04	9
May	·01	303	·23	153	·03	175	·04	313
June	·15	97	·27	140	·02	209	·01	303
July	·09	78	·20	123	·10	158	·03	278
August	·26	156	·25	145	·03	167	·04	326
September	·17	180	·26	146	·01	335	·04	345
October	·19	166	·32	152	·11	339	·01	58
November	·08	238	·14	142	·12	355	·03	281
December	·13	175	·20	149	·12	360	·08	218
Arithmetic Mean	·17	...	·24	...	·07	...	·04	...
Year	·039	129	·234	142	·035	3	·013	314
Winter	·087	13	·197	138	·107	360	·029	212
Equinox	·099	187	·272	146	·046	353	·035	20
Summer	·103	125	·234	141	·047	164	·030	308

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

Last year the months of February and November showed marked similarity in the values of the amplitudes of all four terms, and a fair approach in the phase angles of the first three. This year the similarity, though not so well marked, is still in evidence ; but whereas the values of c_1 in those months were the highest shown in 1926, they are almost the lowest values of that amplitude in 1927. The same remarks may be made upon the values of c_2 though naturally in lesser degree. The arithmetical means of the values of c_1 and c_2 are lower this year than they were last year, but the range between the extreme values shown by the individual months is much greater in the present year.

Temperature.—Temperature was normal over the year as a whole, but, except in the case of April, the individual months showed departures from their average values. The outstanding feature was a continued excess of temperature from January to March inclusive, followed by a marked deficit in May and June. The largest departures from the average values were +1·8 a. in March and −1·6 a. in June.

Rainfall.—There were slight deficits in rainfall from January to March, slight excesses from April to June, and rather larger deficits in July and August, by the end of which month the net deficit was 18 mm. September, however, proved to be one of the wettest months on record at Aberdeen, its total of 162 mm. being 106 mm. above the average. Further small excesses were recorded in October and November, followed by a deficit in December, with the result that the year as a whole showed a net excess of 103 mm.

Sunshine.—Owing chiefly to the dullness of the summer period, the amount of sunshine recorded was below the normal by 167 hours. May was a conspicuously dull month, having but little more than half of its average amount of sunshine, while September and December were also very dull.

Wind Speed and Direction.—The average wind speed for the year was the same as that for 1926; but there was more variation between the values for the individual months. The highest average wind speeds were recorded in December, which averaged 6·2 m.p.s., and November 5·8 m.p.s., the lowest in August, 3·2 m.p.s., and February 3·4 m.p.s. On no day during the year was a gale recorded ; the windiest days were 22nd October and 19th November, both with an average wind speed of 13·0 m.p.s. The period from 18th to 23rd November inclusive was very windy, the average speed exceeding 10 m.p.s. on every day of the period. The outstanding feature of the year was the very unusual frequency of winds from the north-easterly quadrant during the months from May to September, and again in December, the same months that were characterised by deficient sunshine.

General.—The year as a whole showed a relatively warm and dry period with normal sunshine from January to April ; May and June were very dull, cold and wet ; July and August had nearly average sunshine, were dry and a little warmer than usual ; September was dull and cool and exceptionally wet ; October and November were wet but otherwise fairly normal ; while December was cold and dull but drier than usual.

Readings in millibars at exact hours, Greenwich Mean Time.

69. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·0 metres. **January, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·6	009·9	009·0	008·7	008·2	007·9	007·3	006·7	006·2	006·1	006·0	005·5	005·4	004·5	004·4	004·3	004·7	004·6	004·8	004·8	004·5	004·7	005·2	005·4	006·3
2	005·3	005·4	005·6	005·4	005·2	004·7	004·4	004·5	004·9	005·2	004·4	004·7	003·9	003·9	003·8	003·6	003·3	002·5	001·8	001·2	000·3	999·4	998·0	997·0	003·4
3	996·0	995·2	994·2	994·2	994·4	994·5	994·5	994·5	994·2	994·6	993·8	993·1	992·5	991·4	990·9	990·7	990·5	990·8	991·0	991·5	991·6	991·7	992·4	994·0	993·1
4	995·2	996·1	997·4	998·5	999·4	999·9	000·9	001·4	002·2	003·2	004·6	004·6	005·4	006·4	007·3	008·5	009·5	010·6	011·4	012·3	012·9	013·0	013·2	012·8	004·9
5	012·3	012·3	011·7	011·4	010·5	009·7	009·6	009·2	008·6	008·0	007·8	007·6	006·7	006·4	006·5	006·4	006·9	007·2	007·3	007·1	006·5	005·6	005·0	008·4	
6	004·2	003·4	002·3	000·5	998·8	997·2	996·5	996·1	995·4	994·9	994·5	993·7	993·6	992·7	992·4	992·2	991·7	990·9	990·4	990·6	990·1	990·5	990·7	990·8	995·1
7	990·8	990·9	991·0	991·3	991·7	992·3	992·7	993·6	995·3	996·5	997·7	999·2	000·2	001·0	002·6	004·3	005·2	006·2	007·1	007·9	008·5	009·1	009·7	010·1	999·4
8	010·3	010·7	010·6	010·6	010·3	010·4	009·7	010·0	009·2	008·9	008·2	006·4	006·2	005·8	004·3	003·8	004·1	004·0	003·9	004·9	005·9	006·9	008·7	008·7	007·6
9	009·3	010·0	010·1	010·9	011·0	011·1	011·0	011·6	011·4	011·1	011·5	011·7	011·9	011·6	012·2	011·5	011·2	011·3	010·8	010·8	011·3	012·5	012·6	012·9	011·2
10	013·2	013·2	013·6	013·9	014·1	014·3	014·6	015·2	016·2	017·4	017·4	017·8	018·1	018·2	017·8	018·3	018·5	019·2	019·2	019·0	018·9	018·6	018·0	017·5	**016·7**
11	016·7	016·3	015·9	015·2	014·5	013·6	012·5	012·2	011·6	010·7	009·9	008·1	007·0	006·2	005·3	005·2	005·5	005·4	005·4	005·8	005·9	005·7	005·9	006·1	009·7
12	006·6	007·0	007·6	007·9	007·6	007·6	007·6	007·3	006·8	005·4	004·4	002·6	000·4	998·2	995·6	992·7	990·1	987·0	983·2	981·0	978·4	975·8	974·5	972·4	996·9
13	971·0	970·0	968·8	968·3	968·1	968·0	968·6	969·4	970·1	971·5	972·4	973·2	973·4	974·3	974·9	975·4	975·9	976·3	976·6	977·0	977·2	977·4	977·3	977·5	**072·9**
14	977·5	977·6	977·9	977·8	977·9	978·0	978·0	978·4	978·6	979·0	978·9	978·7	978·2	978·3	978·0	977·9	978·0	977·7	977·5	977·4	977·3	977·3	977·1	977·1	977·9
15	977·0	976·9	977·1	977·2	977·1	977·4	977·8	978·5	979·2	979·8	980·1	980·4	980·7	981·1	981·7	982·1	982·5	983·1	983·3	984·0	984·4	984·6	984·8	985·0	980·5
16	985·3	985·5	985·9	986·0	985·8	986·2	986·5	987·1	987·7	988·1	988·2	988·1	988·1	988·0	988·0	988·1	988·2	988·3	988·7	988·8	988·9	989·0	988·9	988·7	987·5
17	988·8	989·0	989·3	989·3	989·5	989·7	990·4	991·0	991·8	992·6	993·0	993·2	993·6	994·1	995·1	996·1	996·8	997·3	998·4	999·2	999·9	000·6	001·2	001·8	994·0
18	002·6	003·0	003·5	003·9	004·2	004·4	005·1	005·7	006·4	006·9	007·4	007·7	008·2	008·8	009·5	010·2	010·7	011·2	011·6	012·0	012·4	012·8	012·9	013·4	007·9
19	013·5	013·6	013·8	013·9	013·9	014·1	014·3	014·8	015·1	015·2	015·1	015·0	014·8	014·4	014·2	014·2	014·4	014·1	013·8	013·6	013·2	012·6	011·9	011·4	014·0
20	010·9	010·4	009·9	009·0	008·1	007·6	007·2	006·8	006·6	005·7	005·2	004·3	003·5	002·8	002·3	001·7	001·3	000·8	000·0	999·2	998·7	998·1	997·3	996·8	004·2
21	995·9	995·3	994·8	994·2	993·7	993·2	993·0	993·1	993·2	993·1	993·2	993·2	992·8	993·0	993·5	993·7	993·7	993·9	993·9	994·0	994·0	994·1	994·3	994·4	993·9
22	994·1	993·9	994·0	994·0	994·0	993·9	994·0	994·3	994·5	994·7	995·0	994·9	994·9	995·1	995·3	995·3	995·5	995·4	995·4	995·5	995·7	995·3	995·5	995·3	994·8
23	995·3	995·2	995·2	995·0	994·5	994·5	994·3	994·1	994·4	994·3	994·3	994·1	993·9	993·3	993·6	993·5	993·8	993·7	994·2	995·0	995·0	995·2	996·1	997·0	994·5
24	997·8	998·5	998·8	999·6	999·6	999·9	999·6	999·4	998·5	997·4	996·9	995·8	995·8	993·7	993·7	993·5	993·1	993·0	992·1	991·5	991·2	991·5	991·5	995·9	
25	992·2	992·3	992·6	992·8	993·2	993·6	993·8	994·0	994·5	994·7	994·9	994·5	994·3	994·3	994·3	994·6	994·8	995·4	996·9	997·2	998·1	998·8	000·3	000·9	994·9
26	001·1	001·2	001·0	001·6	001·9	002·0	001·8	001·9	001·4	000·3	998·4	996·3	993·5	990·1	986·6	983·4	980·4	977·8	973·5	973·0	974·0	977·8	982·1	986·6	991·5
27	989·1	990·8	991·3	991·1	990·9	990·1	988·9	989·3	988·2	988·3	988·4	988·5	988·4	988·5	988·8	989·8	990·0	990·5	990·9	991·1	992·5	993·4	993·1	992·5	990·1
28	990·0	987·5	986·1	985·5	986·9	987·1	987·1	987·1	984·3	981·2	980·2	976·3	974·6	971·6	969·5	967·8	969·9	971·4	973·4	975·1	976·4	977·8	979·0	979·2	979·7
29	979·4	979·3	978·2	977·2	975·8	974·3	972·7	971·3	970·3	969·5	969·8	970·6	970·8	971·3	972·0	972·3	972·5	972·6	972·8	973·3	973·3	973·6	973·8	973·5	
30	973·4	973·8	973·3	973·6	973·8	974·4	975·2	975·6	976·0	976·5	976·2	975·4	975·6	975·0	974·4	974·2	973·9	973·6	973·0	972·4	972·7	972·7	972·8	972·4	974·2
31	972·2	972·3	972·3	972·4	972·7	972·8	973·7	974·5	975·4	976·6	977·3	977·7	978·7	979·1	979·9	980·7	981·4	982·3	982·9	983·5	984·2	984·9	985·8	986·4	978·0
Mean (Station level)	**996** ·05	996 ·02	995 ·90	995 ·84	995 ·72	995 ·62	995 ·60	995 ·77	995 ·78	995 ·76	995 ·66	995 ·29	995 ·00	994 ·62	994 ·46	994 ·39	994 ·44	994 ·45	**994** ·36	994 ·51	994 ·66	994 ·90	995 ·17	995 ·30	995 ·24
Mean (Sea level)	999 ·26	999 ·23	999 ·11	999 ·05	998 ·93	998 ·83	998 ·81	998 ·98	998 ·99	998 ·97	998 ·86	998 ·48	998 ·18	997 ·80	997 ·64	997 ·57	997 ·63	997 ·65	**997** ·56	997 ·71	997 ·86	998 ·10	998 ·38	998 ·51	998 ·44

70. Aberdeen : H_b = 26·0 metres. **February, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	987·0	987·8	988·3	988·8	989·2	989·6	990·6	991·9	992·7	993·8	994·8	995·7	996·2	996·8	997·6	998·3	999·2	000·0	000·6	001·4	001·9	002·8	003·7	004·4	995·2
2	005·1	005·7	006·6	007·3	007·3	007·7	008·5	009·3	010·5	010·9	011·7	011·9	012·1	011·9	011·9	011·9	012·0	011·8	011·5	011·2	010·8	010·0	008·5	007·1	009·7
3	006·7	006·5	005·9	005·2	004·7	004·3	004·3	004·7	004·8	004·9	004·6	004·6	004·2	004·5	004·3	005·4	006·8	007·0	007·0	007·0	006·6	006·4	005·9	005·2	005·5
4	004·3	004·0	004·6	004·4	006·6	007·9	009·0	010·4	011·0	012·1	013·1	013·6	014·6	015·5	016·4	016·8	017·7	018·6	019·5	020·3	021·0	021·3	021·6	022·0	013·2
5	021·9	022·1	021·9	021·8	021·8	020·9	020·3	019·6	019·0	018·1	017·0	016·3	015·0	014·0	013·1	012·0	011·6	011·9	012·1	012·6	013·3	013·9	014·9	016·0	016·8
6	017·0	018·4	019·1	020·1	020·8	021·8	022·8	023·9	024·2	025·0	025·8	026·3	026·6	026·9	026·9	027·3	027·8	028·4	028·8	028·8	028·6	028·4	028·6	028·6	024·8
7	028·6	028·3	027·9	027·4	027·1	026·8	027·0	027·4	027·6	027·8	028·5	028·8	028·8	028·9	029·2	029·9	030·2	030·7	031·1	031·5	031·9	031·9	031·9	031·9	029·1
8	031·7	031·6	031·3	031·1	030·7	030·4	030·4	030·1	030·1	030·4	030·2	029·7	029·5	029·6	029·8	030·1	030·1	030·7	030·7	030·8	031·1	031·3	031·4	031·7	030·6
9	031·7	031·8	031·7	031·7	031·8	032·1	032·5	033·2	033·8	033·8	033·9	033·8	033·8	033·3	033·2	032·9	032·7	032·7	032·7	032·8	032·7	032·5	031·9	031·8	**032·7**
10	031·5	031·2	030·8	030·5	030·7	030·4	030·4	030·5	030·5	030·6	030·6	030·4	030·0	029·3	029·1	028·9	029·1	029·3	029·3	029·1	029·0	028·9	028·5	028·1	029·9
11	027·8	027·6	027·6	027·5	027·1	027·1	027·4	027·4	027·7	027·5	027·2	026·9	026·6	026·4	026·5	026·5	026·7	027·0	027·4	027·7	027·5	027·5	027·4	027·5	027·2
12	027·3	027·2	027·0	026·7	026·3	026·2	026·0	025·7	025·7	025·4	025·1	024·8	024·2	023·7	023·3	023·0	022·9	022·7	022·5	022·1	021·8	021·6	021·3	021·1	024·5
13	021·2	021·0	020·6	020·0	019·7	019·4	019·5	019·8	019·8	019·8	019·7	019·6	019·4	019·4	019·3	018·9	018·4	018·2	017·9	018·0	018·0	017·8	018·1	019·1	019·3
14	019·6	020·3	021·3	022·0	023·1	024·0	024·8	025·3	026·1	026·7	026·8	027·1	027·2	027·0	026·8	026·5	026·6	026·4	026·2	025·8	025·5	025·4	025·1	024·7	024·9
15	024·8	024·6	024·1	024·1	024·1	024·0	024·1	024·3	024·6	024·6	024·8	024·8	024·8	024·7	024·7	024·6	024·7	024·9	024·9	025·2	025·1	025·2	025·5	025·3	024·7
16	025·1	025·1	025·1	024·5	024·7	024·4	024·7	024·8	025·0	025·0	025·1	024·9	024·8	024·6	024·4	024·2	024·0	024·1	024·4	024·6	024·7	024·5	024·5	024·5	024·7
17	024·4	024·0	023·5	022·9	022·2	022·0	021·3	021·3	021·1	020·8	020·6	020·4	020·0	019·4	019·1	019·2	019·1	019·1	019·0	019·1	019·0	019·2	019·4	020·0	020·8
18	019·3	019·2	019·4	019·2	019·1	019·2	019·4	019·5	019·6	019·8	019·9	019·7	019·7	019·8	019·8	020·0	020·0	020·3	020·5	020·4	020·8	021·0	021·0	021·2	019·9
19	021·0	020·8	020·5	020·5	020·5	020·1	019·6	018·9	018·5	017·9	016·7	015·9	015·1	014·0	013·1	012·6	011·8	011·2	010·7	010·3	009·5	008·9	008·4	007·9	015·5
20	007·4	006·8	006·3	005·5	004·9	004·6	004·1	003·6	003·4	003·1	002·7	002·2	001·8	001·3	000·8	000·9	001·0	001·1	001·0	000·5	000·2	000·0	999·8	999·5	002·8
21	999·0	998·4	998·0	997·2	996·7	996·4	996·3	996·2	995·9	995·6	995·3	994·9	994·4	994·0	993·5	993·0	992·8	992·5	992·0	991·7	991·3	991·1	990·7	990·1	994·7
22	989·6	989·3	988·9	988·5	987·9	987·5	986·9	986·4	986·0	985·5	985·1	984·6	984·1	983·8	983·4	983·5	983·5	983·4	983·2	983·0	982·8	982·7	982·5	982·4	985·3
23	982·3	982·2	981·4	981·6	981·4	981·0	980·8	980·8	980·4	980·3	980·6	980·7	980·8	980·7	980·4	980·7	980·8	981·0	981·2	981·4	981·7	982·8	983·3	984·1	984·6	**981·5**
24	985·4	985·6	985·9	986·2	986·4	986·4	987·0	987·6	988·1	988·4	988·5	988·4	988·4	988·7	988·6	988·8	989·0	989·6	989·8	990·1	990·5	990·5	990·5	990·9	988·2
25	991·1	991·3	991·2	991·3	991·1	991·2	991·3	991·3	991·4	991·6	991·6	991·4	991·2	991·0	990·8	990·7	990·8	990·9	991·0	990·9	990·9	990·9	991·0	991·2	991·1
26	991·2	991·1	990·9	990·7	990·7	990·8	990·9	991·0	991·2	991·2	991·2	991·2	990·9	990·7	990·6	990·3	990·1	990·0	989·7	989·2	988·8	988·3	987·8	987·2	990·3
27	986·7	986·2	985·7	985·5	985·3	985·2	985·2	985·2	985·2	984·7	985·1	985·5	986·3	986·7	987·3	987·9	988·8	989·6	990·1	990·6	991·5	991·9	992·2	992·3	987·4
28	992·6	992·8	992·6	992·4	992·1	991·8	991·8	992·0	991·7	991·1	990·5	990·0	989·5	988·9	987·9	986·9	986·2	985·8	985·1	984·4	983·9	983·5	983·3	983·3	988·9
Mean (Station level)	1010 ·76	1010 ·75	1010 ·65	1010 ·52	1010 ·50	1010 ·47	1010 ·60	1010 ·79	1010 ·92	1010 ·95	**1010** ·96	1010 ·87	1010 ·73	1010 ·57	1010 ·44	**1010** ·42	1010 ·53	1010 ·68	1010 ·72	1010 ·74	1010 ·77	1010 ·73	1010 ·69	1010 ·68	1010 ·69
Mean (Sea level)	1014 ·01	1014 ·00	1013 ·91	1013 ·78	1013 ·76	1013 ·73	1013 ·86	1014 ·05	1014 ·18	1014 ·19	**1014** ·19	1014 ·10	1013 ·95	1013 ·79	1013 ·66	**1013** ·65	1013 ·75	1013 ·91	1013 ·96	1013 ·98	1014 ·01	1013 ·97	1013 ·93	1013 ·92	1013 ·93
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

71. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·0 metres. **March, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	983·0	982·5	981·9	981·5	981·3	981·2	981·2	981·5	981·8	981·9	982·1	982·3	982·6	982·6	982·8	983·2	984·0	984·7	985·2	985·5	986·0	986·5	986·7	987·1	983·2
2	987·6	988·0	988·2	988·4	988·8	988·8	989·5	989·9	990·2	990·5	991·0	990·7	990·5	989·3	988·5	987·6	986·9	986·5	985·8	984·6	983·5	983·1	982·8	983·3	987·7
3	983·7	984·6	985·4	986·9	988·2	990·0	991·5	992·7	993·8	994·7	995·6	996·3	996·9	997·7	998·2	998·4	998·5	998·7	999·2	999·2	999·2	998·6	998·2	997·6	994·0
4	996·9	995·9	994·5	993·6	992·3	990·9	989·7	989·2	988·3	987·6	987·1	986·7	986·0	985·4	985·2	984·8	984·8	985·1	984·9	984·8	984·8	984·5	984·5	984·5	988·3
5	984·4	984·3	984·0	983·7	983·7	983·3	983·2	983·3	983·2	982·9	982·6	982·2	981·9	981·4	981·1	981·0	980·8	981·1	981·2	980·9	981·1	981·3	981·3	981·5	982·4
6	981·4	981·4	981·1	981·1	981·1	981·3	981·5	981·5	981·6	981·5	981·7	982·0	982·1	982·3	982·6	982·9	983·2	983·7	983·7	983·6	983·7	983·8	983·8	983·9	982·3
7	983·8	983·9	983·5	983·5	983·5	983·6	983·6	983·7	983·9	984·5	984·7	984·8	984·7	984·5	984·4	984·5	984·7	984·8	984·9	984·9	985·0	984·9	984·9	984·8	984·3
8	984·8	984·7	984·5	984·6	984·7	985·0	985·4	985·8	986·2	986·6	987·1	987·5	987·7	987·9	988·3	988·5	988·8	989·2	989·5	989·8	990·0	990·2	990·4	990·4	987·3
9	990·5	990·5	990·7	990·6	990·7	990·9	991·1	991·6	992·1	992·5	992·7	992·9	993·0	993·1	993·4	993·6	993·9	994·5	995·0	995·3	995·6	995·9	996·3	996·6	992·9
10	997·0	997·4	997·5	997·8	998·1	998·4	998·7	999·2	999·8	000·2	000·3	000·5	000·8	000·8	001·3	001·6	002·4	003·2	003·9	004·6	005·1	006·0	006·4	007·1	000·9
11	007·8	008·2	008·5	008·9	009·4	010·1	011·0	011·9	012·8	013·9	014·7	015·2	015·7	016·1	016·6	017·2	018·0	018·4	018·8	019·3	019·7	019·9	020·2	020·4	014·4
12	020·8	021·0	021·3	021·3	021·5	022·0	022·5	023·1	023·6	023·9	024·2	024·4	024·4	024·3	024·4	024·4	024·5	024·9	025·1	025·2	025·7	025·9	025·8	026·0	023·6
13	025·7	025·6	025·3	025·2	025·3	025·4	025·6	025·7	025·7	025·8	025·5	025·3	025·0	024·5	024·5	024·2	023·9	023·8	023·8	023·7	023·7	023·2	023·0	022·9	**024·8**
14	022·7	022·6	022·1	021·9	021·8	021·6	021·4	021·6	021·5	021·6	021·7	021·6	021·3	021·2	021·3	021·1	021·1	021·2	021·5	021·7	022·0	021·9	021·9	021·9	021·7
15	022·1	022·1	021·7	021·6	021·3	021·5	021·6	021·6	021·6	021·7	021·6	021·6	021·3	021·1	020·4	020·4	019·9	019·7	019·9	019·8	019·7	019·9	019·6	019·5	019·5	020·8
16	019·8	019·8	019·9	020·3	020·4	020·3	020·7	021·2	021·6	021·5	021·6	021·6	021·3	021·3	021·1	021·0	020·5	020·4	020·4	020·1	019·9	019·8	019·4	019·3	020·6
17	019·4	018·5	018·0	017·9	017·6	017·4	017·3	017·4	017·3	017·3	016·9	016·8	016·6	016·3	015·6	015·2	014·7	015·0	015·0	015·3	015·5	015·6	015·6	015·6	016·6
18	015·4	015·2	014·9	014·9	015·1	015·0	015·3	015·6	015·7	015·5	015·3	015·0	014·7	014·2	013·8	013·9	014·3	014·2	014·2	014·2	014·4	014·3	014·2	014·0	014·8
19	013·9	013·2	012·8	013·2	012·3	013·3	013·3	013·9	014·1	013·9	014·1	014·2	013·8	014·0	014·1	014·0	014·1	014·0	014·1	013·9	013·3	012·7	012·8	012·7	013·6
20	012·8	012·7	012·5	012·5	012·5	012·6	012·6	013·2	013·1	012·9	013·0	012·4	011·6	011·4	010·8	011·0	011·0	011·3	011·5	011·3	011·5	011·7	012·0	012·2	012·1
21	012·2	011·7	011·3	011·3	011·3	011·3	011·3	011·3	011·3	011·1	010·7	010·4	010·0	009·1	008·3	007·9	006·9	006·0	005·7	005·3	004·9	004·4	003·6	003·0	002·0	008·6
22	001·5	000·6	999·8	999·3	999·0	998·5	997·9	997·8	997·6	996·9	996·7	996·0	995·8	995·0	995·0	994·9	995·4	996·0	997·3	997·6	997·7	997·5	997·1	997·1	997·5
23	996·8	995·5	994·6	992·9	991·4	990·1	989·0	987·9	987·0	986·0	985·3	985·7	985·4	984·7	984·5	983·6	982·4	980·9	979·1	978·0	977·4	977·1	977·2	976·8	985·8
24	976·5	976·3	975·7	974·9	975·5	975·9	976·7	977·7	978·8	979·9	980·5	981·2	981·5	981·8	981·7	981·6	981·6	981·6	981·6	981·8	981·8	981·9	982·2	982·2	979·5
25	981·9	981·7	981·1	980·8	979·9	979·1	978·6	978·2	977·8	977·1	976·6	975·8	975·5	975·1	974·4	974·2	974·2	974·5	974·6	974·4	974·2	974·2	974·3	974·3	**976·9**
26	974·2	973·8	973·0	972·4	972·5	974·2	975·0	975·5	975·9	976·4	977·1	977·5	978·2	978·4	978·7	979·0	979·3	980·0	980·4	980·9	981·1	981·2	981·5	981·6	977·3
27	981·7	981·9	981·9	982·0	982·6	983·0	983·7	984·4	985·1	985·8	986·3	986·9	987·4	988·0	988·3	989·0	989·7	990·8	991·8	992·5	993·4	994·3	994·9	995·5	987·3
28	996·2	996·5	996·8	997·7	998·5	999·0	999·8	000·4	000·9	001·5	001·8	001·8	001·9	002·0	002·0	002·2	002·2	002·6	002·5	002·5	002·2	001·8	001·4	001·2	000·5
29	000·8	000·3	999·8	999·4	999·1	999·0	999·1	999·1	999·2	999·0	998·7	998·5	998·3	997·9	997·7	997·3	996·9	996·7	996·3	995·8	995·3	994·4	993·9	993·0	997·9
30	992·6	991·6	990·5	989·5	988·6	988·3	987·7	987·5	987·4	987·7	988·2	988·7	989·3	990·1	990·8	992·0	993·1	994·2	995·8	996·6	997·9	998·7	000·1	000·7	991·8
31	001·0	001·8	002·3	002·8	003·2	003·6	004·0	004·2	004·1	004·3	004·2	004·0	004·0	003·9	003·9	003·9	004·2	004·2	004·4	004·8	005·4	005·7	006·1	006·4	003·9
Mean (Station level)	999·00	998·83	998·55	998·46	**998·45**	998·53	998·69	998·95	999·13	999·21	999·34	999·35	999·31	999·15	999·12	999·10	999·19	999·42	999·57	999·58	999·69	999·67	999·72	**999·75**	999·14
Mean (Sea level)	1002·19	1002·03	1001·75	1001·66	**1001·65**	1001·73	1001·89	1002·14	1002·32	1002·39	1002·52	1002·52	1002·48	1002·32	1002·29	1002·27	1002·36	1002·60	1002·76	1002·77	1002·88	1002·86	1002·92	**1002·95**	1002·33

72. Aberdeen : H_b = 26·0 metres. **April, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	006·8	007·0	007·5	007·9	008·5	009·1	009·9	010·2	010·7	011·1	011·4	011·6	011·9	011·9	012·1	012·2	012·2	012·4	013·4	013·6	013·3	013·3	013·2	013·0	010·9
2	013·1	012·8	012·5	012·4	012·3	012·4	012·0	011·9	012·1	011·4	011·0	010·3	009·9	009·5	009·2	009·1	009·0	008·7	008·4	008·1	007·7	007·3	007·0	006·7	010·3
3	006·5	006·2	005·9	005·7	005·8	006·1	006·6	007·0	007·5	007·9	008·0	008·4	008·7	009·0	009·0	009·2	009·6	009·7	010·2	010·4	010·4	010·3	010·2	010·1	008·2
4	010·2	009·9	009·4	008·9	008·4	008·1	007·8	007·4	007·0	006·2	005·6	004·8	003·6	002·6	001·5	999·3	998·1	996·1	995·1	993·5	991·7	990·4	989·2	989·0	002·3
5	989·7	989·8	989·9	989·9	989·6	989·8	989·5	989·5	989·5	989·4	989·2	989·0	989·4	989·5	990·0	990·4	990·8	991·3	991·9	992·2	992·6	992·6	992·5	992·5	990·4
6	992·5	992·4	992·1	991·8	991·8	991·8	991·9	992·0	992·3	992·7	993·1	993·4	993·7	993·8	994·2	994·7	995·3	995·5	995·7	996·1	996·1	995·9	995·9	995·5	993·7
7	995·0	994·6	993·9	993·4	992·8	992·2	991·7	991·2	990·7	990·2	989·6	989·2	988·7	988·2	987·8	987·5	987·1	987·5	987·7	988·2	988·6	988·8	989·1	989·2	990·3
8	989·5	989·8	989·9	990·0	990·0	990·6	991·0	991·3	991·3	992·0	992·4	993·1	993·4	993·6	994·0	994·1	994·6	994·8	995·1	995·8	996·2	996·3	996·5	996·6	992·8
9	996·4	996·1	996·1	996·0	996·1	996·5	996·9	997·2	997·5	997·9	998·2	998·7	998·8	998·8	999·0	999·5	000·2	000·8	001·5	002·3	002·9	003·4	004·2	004·9	999·0
10	005·7	006·3	007·0	007·5	008·2	008·8	009·7	010·1	010·7	011·2	011·6	011·7	011·8	012·3	012·3	012·6	012·8	013·2	013·5	013·5	013·3	013·1	012·3	011·6	010·7
11	010·8	009·6	008·6	006·9	005·6	004·7	004·1	004·3	005·4	006·6	007·2	008·2	009·2	009·6	010·2	011·3	011·9	013·0	013·8	014·7	015·8	016·1	016·9	017·4	010·0
12	017·6	017·6	017·9	018·1	018·4	018·9	019·5	019·6	019·5	019·2	018·7	018·6	018·0	017·2	016·4	015·8	015·1	015·9	016·2	016·8	016·7	016·9	017·3	017·5	017·6
13	017·1	016·7	016·1	015·6	015·3	014·6	013·1	011·4	009·8	009·2	008·5	007·9	007·1	006·2	005·6	004·8	004·4	004·1	003·6	003·2	002·6	002·3	001·8	002·2	008·8
14	001·9	001·5	001·5	001·6	001·3	001·2	001·3	001·2	000·9	000·3	999·5	998·2	997·0	995·9	994·9	993·6	993·4	993·2	993·6	994·1	994·6	994·8	995·3	995·8	997·9
15	996·6	997·7	999·0	999·9	001·5	002·8	003·8	004·5	004·9	006·0	006·6	007·1	007·9	008·4	009·4	010·2	010·8	011·3	012·0	012·7	013·6	013·8	014·2	014·5	006·7
16	014·4	014·8	015·6	015·9	016·6	017·3	018·1	018·5	018·9	019·0	018·8	018·7	018·5	018·5	018·4	018·1	018·0	017·8	017·5	017·3	016·9	016·2	015·6	014·8	017·3
17	014·1	013·5	012·7	012·2	012·0	011·4	011·2	011·3	011·1	010·9	010·9	010·7	010·9	011·4	012·1	013·7	014·2	014·5	015·0	015·7	016·4	016·5	017·1	017·3	013·1
18	017·7	017·8	017·9	017·8	017·9	018·0	018·7	019·1	019·5	019·5	019·6	019·6	019·4	019·0	018·7	018·1	017·3	016·6	016·2	015·4	015·1	015·5	015·5	015·8	**017·8**
19	015·8	015·9	015·8	015·9	015·7	015·6	015·6	015·6	015·3	015·2	015·1	014·8	014·5	013·9	013·1	012·8	012·4	012·5	012·5	012·6	012·3	011·9	011·5	011·3	014·2
20	010·5	009·6	009·0	008·2	007·6	007·6	007·5	007·4	006·9	006·9	006·4	006·1	006·0	005·4	005·1	004·5	004·3	004·4	004·2	004·7	004·3	004·6	004·8	005·4	006·4
21	006·0	006·3	007·3	007·9	008·4	009·4	010·2	010·9	011·3	011·4	011·7	011·5	011·6	011·4	010·9	010·3	009·2	007·6	006·7	005·4	004·3	003·8	001·8	001·3	008·3
22	001·2	999·8	999·6	998·5	997·9	996·9	996·4	996·1	995·4	994·9	994·6	994·0	993·5	992·8	992·0	991·1	990·1	989·1	988·6	989·0	988·8	988·9	988·4	987·8	993·8
23	986·2	985·0	984·5	988·4	991·8	994·6	996·8	998·2	998·9	000·0	001·1	001·2	002·8	002·5	002·5	002·4	002·5	002·6	001·9	001·8	001·7	001·5	001·5	001·0	997·7
24	000·7	000·4	000·0	999·6	999·4	999·4	999·4	999·2	998·8	998·1	996·8	995·2	994·3	993·2	992·3	991·7	990·3	989·9	990·1	989·9	989·7	989·8	990·0	988·9	995·5
25	988·7	987·1	987·7	986·7	986·5	986·4	986·0	984·8	985·0	984·4	983·7	983·5	983·6	983·3	983·9	984·4	985·4	986·1	986·8	988·2	989·3	990·7	991·9	993·3	**986·5**
26	993·8	994·2	995·2	995·4	996·3	997·5	998·1	999·4	000·2	001·7	001·9	002·7	003·5	003·8	004·8	005·0	005·7	006·0	006·3	007·0	007·3	007·7	007·8	007·9	001·7
27	007·7	007·2	006·1	004·8	003·9	003·9	004·0	004·3	004·5	004·6	005·1	005·4	006·2	006·3	006·6	007·0	007·7	008·4	009·0	009·5	009·7	010·1	010·6	010·8	006·7
28	011·4	012·0	012·2	012·6	012·8	013·1	013·0	012·8	012·3	011·6	010·3	009·2	008·5	007·7	007·5	007·1	006·7	007·5	008·3	008·4	008·3	008·5	008·4	008·5	010·0
29	008·7	008·7	008·5	008·5	008·7	008·6	008·8	009·0	008·8	008·7	008·5	008·4	008·3	007·8	007·7	007·0	007·3	007·9	008·2	009·0	009·3	010·0	010·3	010·9	008·6
30	011·9	011·9	012·1	012·3	012·6	012·9	013·5	014·0	014·7	015·3	015·8	016·3	016·9	016·8	016·9	017·1	017·6	017·6	018·1	018·4	018·7	019·0	019·0	019·1	015·6
Mean (Station level)	1004·61	1004·41	1004·38	**1004·34**	1004·46	1004·67	1004·87	1004·99	1005·06	**1005·14**	1005·07	1004·97	1004·95	1004·71	1004·63	1004·50	1004·51	1004·55	1004·70	1004·92	1004·95	1005·00	1004·96	1005·02	1004·76
Mean (Sea level)	1007·83	1007·64	1007·61	**1007·57**	1007·69	1007·90	1008·09	1008·20	1008·26	**1008·33**	1008·26	1008·15	1008·13	1007·89	1007·81	1007·68	1007·70	1007·75	1007·90	1008·13	1008·16	1008·22	1008·18	1008·25	1007·96
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

73. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·0 metres. **May, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	019·3	019·5	019·5	019·8	019·8	019·9	020·2	020·3	020·4	020·4	020·4	020·6	020·7	020·6	020·5	020·2	020·2	020·1	020·2	020·5	020·4	020·6	020·0	019·3	020·1
2	018·9	018·1	017·3	016·7	016·3	016·2	015·9	015·5	015·1	014·3	013·6	012·9	012·0	011·4	010·3	009·2	007·8	006·8	005·9	005·3	004·5	003·3	002·1	000·9	011·6
3	000·0	999·6	999·4	999·6	999·8	000·1	000·3	000·5	001·1	001·2	001·6	002·0	002·2	002·4	002·6	002·6	002·4	002·5	002·5	002·5	002·9	002·9	003·1	003·6	001·5
4	004·2	004·4	004·7	005·0	005·7	006·5	007·2	007·8	008·4	008·7	009·0	009·2	009·3	009·4	009·6	009·5	009·6	010·5	010·9	011·5	011·8	011·8	011·9	012·2	008·5
5	012·7	013·3	013·6	014·1	014·6	014·9	015·7	016·5	016·9	017·2	017·8	017·9	018·3	018·9	019·1	019·3	019·5	019·6	020·1	020·5	020·9	021·1	021·2	021·4	017·5
6	021·2	021·2	021·4	021·6	021·6	021·8	022·1	022·2	022·3	022·5	022·6	022·4	022·7	022·5	022·3	022·3	022·4	022·5	022·7	022·8	023·0	023·3	023·4	023·7	022·3
7	023·8	024·0	024·1	024·2	024·5	024·5	024·6	024·6	024·8	024·7	024·7	024·8	024·7	024·5	024·4	024·4	024·4	024·4	024·6	024·6	024·6	024·4	024·3	024·2	024·4
8	023·9	023·8	023·5	023·1	023·1	022·9	022·8	022·7	022·3	022·1	021·9	021·5	021·1	021·1	020·9	021·0	021·1	021·7	022·0	022·4	022·7	023·0	023·2	023·1	022·4
9	023·1	023·0	022·9	022·8	022·8	023·0	023·1	023·3	023·3	023·3	023·4	023·6	023·8	023·8	023·8	023·9	024·0	024·3	024·5	024·6	025·2	025·5	025·8	025·9	023·8
10	026·0	025·9	026·1	026·3	026·6	026·9	027·5	027·7	028·3	028·6	028·8	029·1	029·3	029·4	029·7	029·7	030·1	030·4	030·6	031·1	031·3	031·3	031·4	031·1	**028·8**
11	031·0	030·7	030·6	030·3	030·1	029·9	029·7	029·1	028·4	027·6	027·0	026·3	025·3	024·5	023·7	023·0	022·4	021·7	021·3	020·9	020·4	019·9	019·5	019·1	025·8
12	018·6	018·2	017·7	017·9	018·2	018·8	019·1	019·6	019·9	020·1	020·2	020·5	020·8	020·8	020·9	020·9	020·8	020·9	021·4	021·4	021·5	021·7	021·4	021·4	020·1
13	021·2	021·2	021·2	020·9	020·9	021·0	021·1	021·0	020·9	020·6	020·4	020·1	019·9	019·5	019·1	018·8	018·2	018·0	017·7	017·1	016·7	016·3	015·6	015·1	019·4
14	014·4	013·7	012·8	012·0	011·3	010·4	009·9	009·4	008·7	008·1	007·4	006·8	006·0	005·4	004·7	004·1	003·5	003·0	002·6	002·4	002·1	001·6	001·3	001·1	007·1
15	000·6	000·3	000·2	000·1	000·2	000·5	000·8	001·1	001·6	001·7	001·7	001·9	002·1	002·2	002·1	002·4	002·7	003·1	003·2	003·8	004·0	004·2	004·1	004·1	002·0
16	004·1	004·1	004·4	004·4	004·4	004·5	004·5	004·5	004·6	004·4	004·5	004·5	004·3	004·3	004·1	004·4	004·5	004·6	005·0	005·3	005·5	005·7	006·1	006·4	004·7
17	006·9	007·3	007·4	007·9	008·1	008·7	009·1	009·9	010·1	010·9	012·0	012·6	013·1	013·9	014·3	014·7	015·1	015·7	016·1	016·8	017·0	017·8	017·9	018·3	012·3
18	018·5	018·6	018·6	018·4	018·4	018·5	018·6	018·7	018·7	018·4	018·3	017·9	017·9	017·9	017·4	017·5	017·4	017·3	017·3	017·6	017·6	017·9	018·0	017·8	018·1
19	018·0	017·9	018·0	017·8	017·9	017·9	018·0	018·3	018·5	018·3	018·3	018·2	018·4	018·4	018·6	018·0	017·6	017·7	017·4	017·4	017·2	016·5	015·8	015·1	017·8
20	014·7	014·0	013·1	012·5	011·8	011·1	010·4	009·8	008·9	008·1	006·9	005·8	004·4	003·3	002·0	000·9	000·1	999·5	999·5	999·8	999·9	999·6	999·3	998·9	005·9
21	998·5	998·0	997·8	997·1	996·8	996·5	996·2	996·3	996·1	996·0	996·0	995·8	996·0	996·1	996·6	998·7	000·1	001·0	002·0	002·9	003·9	004·3	004·3	004·4	**988·7**
22	005·7	006·7	007·7	008·8	010·1	011·3	012·7	013·5	014·7	015·4	016·0	016·7	017·2	017·8	017·9	018·2	018·4	018·6	018·9	019·4	019·8	020·0	020·3	020·2	014·9
23	019·8	019·9	019·5	019·3	018·9	018·5	018·0	017·6	017·2	016·8	016·1	015·3	014·7	014·0	013·5	013·2	013·1	013·3	013·7	014·2	014·8	015·2	015·3	015·7	016·2
24	015·7	015·8	016·0	016·1	016·2	016·4	017·1	017·3	017·4	018·0	018·0	018·2	018·2	018·5	018·5	018·9	019·1	019·8	020·1	020·4	020·8	020·8	020·8	020·8	018·2
25	021·0	021·0	021·0	021·0	021·0	021·0	021·1	021·1	021·0	021·0	020·9	020·8	020·6	020·6	020·6	020·6	020·5	020·5	020·5	020·6	020·8	020·9	021·2	020·9	020·8
26	020·7	020·5	020·2	020·3	020·4	020·5	020·8	020·8	020·9	021·0	020·8	020·8	020·7	020·5	020·3	020·2	019·9	019·6	019·3	019·4	019·5	019·4	019·0	018·9	020·2
27	018·6	018·2	018·0	017·6	017·6	017·6	017·5	017·6	017·5	017·5	017·6	017·1	017·0	016·8	016·9	016·6	016·4	016·4	016·2	015·6	015·7	015·3	014·6	014·1	016·9
28	013·5	013·0	012·5	011·8	011·5	011·2	011·3	011·2	010·9	010·7	010·5	010·5	010·3	010·2	009·9	009·5	009·3	009·4	009·4	009·5	009·7	009·6	009·3	009·1	010·7
29	008·9	008·5	008·3	008·1	007·9	007·9	008·0	007·9	007·8	007·7	007·8	007·8	007·9	007·7	007·7	007·4	007·2	007·3	007·2	007·4	007·4	007·3	007·3	007·2	007·8
30	007·1	006·8	006·4	006·3	006·2	006·1	006·3	006·3	006·5	006·7	006·4	006·1	006·0	005·8	005·9	005·6	005·4	005·3	005·3	005·1	005·0	005·0	004·8	004·4	005·9
31	004·3	003·9	003·6	003·5	003·6	003·5	003·9	003·8	004·1	004·4	004·4	004·8	005·0	005·0	005·2	005·3	005·5	005·7	005·9	006·3	006·6	006·7	007·2	007·3	004·9
Mean (Station level)	1014 ·67	1014 ·55	1014 ·44	1014 ·36	1014 ·40	1014 ·47	1014 ·63	1014 ·70	**1014 ·75**	1014 ·72	1014 ·67	1014 ·59	1014 ·51	1014 ·43	1014 ·29	1014 ·22	**1014 ·15**	1014 ·23	1014 ·32	1014 ·49	1014 ·62	1014 ·60	1014 ·50	1014 ·38	1014 ·50
Mean (Sea level)	1017 ·91	1017 ·79	1017 ·68	1017 ·60	1017 ·64	1017 ·70	1017 ·86	1017 ·92	**1017 ·97**	1017 ·94	1017 ·88	1017 ·80	1017 ·72	1017 ·64	1017 ·50	1017 ·43	**1017 ·36**	1017 ·44	1017 ·53	1017 ·71	1017 ·85	1017 ·83	1017 ·73	1017 ·61	1017 ·72

74. Aberdeen : H_b = 26·0 metres. **June, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	007·3	006·9	006·9	006·9	007·0	007·1	007·2	007·2	007·4	007·6	007·3	007·4	007·3	007·0	006·7	006·1	006·0	005·9	005·8	005·9	005·7	005·7	005·7	005·2	006·7
2	005·0	004·6	004·5	004·4	004·3	004·5	004·5	004·6	004·7	004·7	005·0	005·2	005·4	005·1	004·8	005·1	005·2	006·0	006·3	006·7	007·2	007·7	007·7	007·8	005·4
3	008·1	008·3	008·3	008·5	008·7	008·9	008·9	009·3	009·4	009·5	009·4	009·3	009·2	009·2	008·7	008·6	008·6	008·4	008·7	009·1	009·4	009·6	009·5	009·5	008·9
4	009·4	009·2	008·7	008·3	008·1	007·9	007·8	007·7	007·3	006·9	006·7	006·1	005·4	005·4	004·8	004·8	004·7	004·8	004·9	005·3	005·8	006·0	005·9	005·6	006·6
5	005·5	005·6	005·0	005·4	005·2	005·3	005·6	005·7	005·6	005·4	004·9	004·8	004·5	004·1	003·9	003·7	003·5	003·6	003·7	003·9	004·0	004·0	004·1	004·2	004·7
6	004·2	004·6	004·9	005·2	005·8	006·4	007·1	007·5	007·9	008·2	008·2	008·5	008·6	008·7	009·1	009·5	009·6	009·7	010·0	009·8	009·9	010·2	010·2	009·9	008·0
7	009·7	009·6	009·5	009·3	009·2	009·3	009·5	009·6	009·4	009·5	009·5	009·4	009·3	009·1	008·9	008·7	008·6	008·6	008·5	008·6	008·5	008·5	008·4	009·1	
8	008·2	008·0	007·9	007·9	008·0	008·3	008·7	009·3	009·4	009·5	009·3	009·3	009·2	009·2	009·3	009·4	009·4	009·9	010·0	010·1	010·1	010·6	010·5	010·7	009·2
9	010·7	010·5	010·3	010·3	010·2	010·1	009·9	010·1	010·5	011·5	011·7	012·0	012·3	012·5	012·3	012·2	012·4	012·4	012·5	012·6	012·8	012·6	012·5	012·4	011·5
10	012·1	011·9	011·8	011·8	011·8	011·8	012·0	012·0	012·0	011·9	011·8	011·4	011·1	010·9	010·7	010·6	010·3	010·4	010·8	011·2	011·6	012·1	012·4	012·4	011·5
11	012·4	012·5	012·4	012·6	012·6	012·8	013·2	013·2	013·4	013·5	013·4	013·5	013·6	013·5	014·1	014·0	013·9	014·2	014·0	014·4	014·3	013·9	014·1	013·8	013·4
12	013·4	013·0	013·0	013·0	013·1	013·2	013·2	013·3	013·2	013·3	013·5	013·9	014·3	014·6	014·8	015·1	015·4	015·5	015·7	016·0	016·2	016·4	016·5	016·6	014·4
13	016·5	016·4	016·2	016·1	016·0	015·9	016·0	016·0	016·0	015·7	015·5	015·2	014·7	014·1	013·6	012·9	012·7	012·4	012·4	012·7	012·9	013·1	013·4	014·7	
14	013·6	013·4	013·5	013·4	013·8	013·7	014·2	015·3	015·2	015·6	016·0	016·3	016·6	016·8	016·8	016·8	016·9	017·5	018·1	018·9	019·5	019·9	020·1	020·3	016·2
15	020·3	020·4	020·4	020·7	021·2	021·0	021·2	021·5	021·9	021·9	021·8	021·8	022·0	021·9	021·8	021·5	021·2	020·8	020·9	020·5	019·9	019·5	018·8	018·3	**020·9**
16	017·9	017·1	016·1	014·9	013·9	013·7	012·8	012·0	010·8	009·9	009·4	008·5	008·2	007·2	006·3	005·0	004·5	003·4	002·8	003·0	002·4	002·2	001·4	000·9	008·9
17	000·1	999·9	999·5	998·9	998·7	998·6	998·0	997·7	997·5	996·8	996·4	995·7	995·0	994·6	994·2	993·9	993·8	993·3	993·4	993·6	994·1	994·6	995·0	995·3	996·3
18	995·0	994·8	994·9	994·7	994·9	994·9	994·9	994·9	994·9	994·7	994·6	995·0	994·6	993·7	993·2	993·5	993·2	992·7	992·6	992·6	992 6	992·4	991·9	991·6	993·9
19	991·0	990·9	990·5	990·3	990·3	990·1	990·3	990·2	990·3	990·4	990·5	990·6	990·5	990·4	992·1	992·5	993·6	994·7	995·6	996·7	997·6	998·5	998·9	**992·3**	
20	999·5	000·3	000·8	001·8	002·7	003·6	004·6	005·5	006·5	007·5	008·3	009·4	009·9	010·5	010·9	011·1	012·0	011·7	011·8	011·5	011·3	011·0	010·1	009·2	007·3
21	007·9	006·0	004·8	003·5	001·7	000·0	998 6	997·8	997·5	996·6	996·0	995·0	993·9	992·8	994·0	995·5	997·9	000·7	002·1	004·2	004·2	005·1	006·0	007·4	000·4
22	008·7	009·2	009·6	009·9	010·0	010·6	011·1	011·4	011·4	011·5	011·4	011·1	010·9	010·6	010·2	009·6	009·0	008·2	007·5	007·0	006·7	006·4	005·7	005·4	009·3
23	005·0	004·6	004·4	004·3	004·2	004·2	004·4	004·9	005·2	005·7	005·8	005·7	005·8	006·1	006·3	006·5	006·3	006·3	006·4	006·2	006·1	005·8	005·2	004·8	005·4
24	004·2	003·4	002·8	002·4	002·2	002·2	002·4	002·8	003·3	003·8	004·3	004·8	005·4	005·8	006·1	006·3	006·5	006·8	007·2	007·6	007·9	008·2	008·2	008·2	005·0
25	007·9	007·6	007·3	007·0	006·8	006·5	006·1	005·8	005·0	004·4	003·7	003·1	002·2	001·4	000·6	999·8	999·1	998·5	998·1	998·2	998·4	998·3	998·1	997·9	002·8
26	997·9	997·9	997·9	997·9	997·9	998·1	998·2	998·2	998·3	998·0	998·0	997·9	998·1	998·0	997·7	997·4	997·1	997·3	996·9	996·8	996·7	996·6	996·5	996·2	997·6
27	995·9	995·5	995·4	995·4	995·0	994·9	995·2	995·3	995·5	995·7	995·9	996·0	996·0	996·7	996·8	997·0	997·4	997·9	998·4	998·9	999·3	999·9	000·1	000·1	996·8
28	000·3	000·3	000·5	000·8	001·0	001·2	001·6	001·9	002·2	002·3	002·3	002·6	002·4	002·6	002·1	001·9	001·9	002·0	001·9	002·0	002·2	002·1	002·2	002·3	001·7
29	002·5	002·6	002·7	002·6	002·9	003·0	003·3	003·7	004·1	004·3	004·4	004·5	004·6	004·7	004·7	004·6	004·6	004·8	005·0	005·5	005·6	005·9	005·7	005·8	004·2
30	005·8	005·8	005·7	005·5	005·9	005·9	006·0	006·1	006·2	006·0	006·1	006·4	006·2	006·3	006·2	006·2	006·1	006·1	006·3	006·4	006·7	007·0	006·9	006·8	006·2
Mean (Station level)	1006 ·53	1006 ·36	1006 ·21	1006 ·12	1006 ·10	1006 ·12	1006 ·22	1006 ·35	1006 ·41	1006 ·42	1006 ·38	1006 ·36	1006 ·26	1006 ·14	1006 ·08	**1005 ·99**	1006 ·02	1006 ·12	1006 ·25	1006 ·48	1006 ·64	**1006 ·75**	1006 ·71	1006 ·64	1006 ·32
Mean (Sea level)	1009 ·72	1009 ·55	1009 ·40	1009 ·31	1009 ·29	1009 ·30	1009 ·39	1009 ·52	1009 ·58	1009 ·58	1009 ·54	1009 ·52	1009 ·41	1009 ·29	1009 ·23	**1009 ·14**	1009 ·18	1009 ·28	1009 ·41	1009 ·65	1009 ·82	**1009 ·93**	1009 ·90	1009 ·83	1009 ·49

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

75. Aberdeen : H_b (height of barometer cistern above M.S.L.) =26·0 metres. **July, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	006·9	006·7	006·4	006·6	006·2	006·2	006·2	006·2	006·3	006·2	005·9	005·7	005·8	005·8	005·8	005·6	005·3	005·5	005·6	005·7	005·7	005·9	005·8	005·6	006·0
2	005·5	005·3	005·0	004·8	004·6	004·6	004·6	004·2	004·1	003·9	003·8	003·7	003·5	003·4	003·3	003·3	003·1	002·9	003·1	003·2	003·0	003·0	002·7	002·4	003·9
3	002·2	001·9	001·6	001·6	001·4	001·4	001·3	001·3	001·2	001·0	000·9	001·0	001·0	000·8	000·8	000·7	000·8	001·0	001·3	001·3	001·5	001·4	001·2	001·0	001·3
4	000·9	000·4	999·9	999·3	999·2	998·7	998·8	998·8	998·6	998·7	998·8	999·0	999·0	999·2	998·9	999·0	999·3	999·6	999·7	000·4	001·2	001·4	001·8	002·2	999·7
5	002·2	001·9	001·9	002·1	001·4	001·0	001·2	001·3	001·0	000·7	000·8	000·9	001·6	000·2	999·1	998·6	997·9	998·0	998·1	999·7	000·2	001·3	002·4	003·4	000·7
6	004·2	004·9	005·5	005·9	006·6	006·7	007·0	007·6	007·8	008·0	008·2	008·5	009·1	009·1	009·0	009·1	009·2	009·7	009·9	010·2	010·6	010·6	010·5	010·5	008·1
7	010·8	010·9	010·9	010·7	010·8	010·7	010·7	010·5	010·1	010·3	010·2	009·3	009·3	009·3	009·1	008·7	008·5	007·8	007·9	008·5	009·1	009·5	009·9	010·2	009·7
8	010·3	010·7	011·0	011·6	012·0	012·3	012·7	013·0	013·4	013·4	013·3	013·6	013·5	013·6	013·4	013·4	013·1	012·7	012·5	012·5	012·5	012·2	012·0	011·5	012·5
9	011·3	011·2	010·4	010·3	010·3	010·3	010·1	010·0	010·1	010·0	009·7	009·6	009·7	009·6	009·2	008·9	008·8	008·8	009·0	009·0	009·4	009·5	009·7	009·5	009·8
10	009·5	009·2	009·2	009·3	009·3	009·6	009·8	009·9	010·1	010·1	010·2	010·5	010·8	011·6	011·6	011·5	011·4	011·5	011·8	012·6	013·3	013·9	014·1	014·1	010 9
11	014·5	014·6	014·7	014·8	015·1	015·4	015·7	015·8	016·1	016·4	016·7	016·7	016·7	017·0	016·9	017·2	017·0	017·0	017·2	017·2	017·7	017·9	017·7	017·5	016·3
12	017·5	017·3	017·1	016·8	016·9	017·1	017·2	017·4	017·1	017·2	017·1	017·0	017·1	016·9	016·7	016·4	016·4	016·2	016·1	016·1	016·4	016·3	016·3	016·3	016·8
13	016·0	015·8	015·6	015·4	015·6	015·6	015·7	015·8	015·9	015·9	015·8	015·7	015·5	015·4	015·5	015·5	015·5	015·2	015·5	016·0	016·3	016·5	016·7	016·8	015·8
14	016·8	016·7	016·7	016·8	016·9	017·1	017·5	018·0	018·3	018·4	018·5	018·5	018·8	018·8	018·9	019·0	018·7	018·9	019·2	019·6	020·0	020·1	020·4	020·4	018·4
15	020·3	020·3	020·4	020·6	020·8	021·0	021·3	021·7	021·9	022·1	022·4	022·4	022·5	022·5	022·7	022·8	023·0	023·0	023·2	023·5	024·1	024·3	024·1	024·0	022·2
16	024·0	024·0	023·9	024·1	024·2	024·1	024·0	024·0	023·8	023·8	023·5	023·3	023·0	022·8	022·7	022·5	022·3	022·1	021·9	021·8	021·8	022·0	021·9	021·6	**023·1**
17	021·1	020·7	020·2	020·0	020·0	020·2	020·1	019·9	019·4	019·2	019·0	018·7	018·6	018·6	018·3	018·0	018·0	017·9	017·8	017·7	017·8	017·6	017·5	017·3	019·0
18	017·0	017·0	016·9	016·9	017·1	017·2	017·3	017·4	017·5	017·8	018·2	018·8	019·0	019·3	019·4	019·5	019·5	019·5	019·7	020·0	020·4	020·7	020·8	021·0	018·6
19	021·0	020·9	020·7	020·8	020·9	020·9	020·9	021·2	021·6	021·7	021·3	021·2	020·9	020·8	020·7	020·6	020·5	020·5	020·5	020·6	020·6	020·6	020·3	020·9
20	019·9	019·2	019·2	018·9	018·6	018·3	018·0	018·2	017·8	017·5	017·1	016·8	016·5	015·9	015·6	015·3	014·9	014·4	013·8	013·4	013·0	012·6	012·2	011·6	016·4
21	011·0	010·4	009·6	009·0	008·6	008·2	008·1	007·7	007·2	006·6	006·2	005·9	005·6	005·2	005·0	004·6	003·8	003·7	003·5	003·3	003·0	002·8	002·5	001·9	006·2
22	001·5	001·4	001·0	000·8	000·7	000·5	000·4	000·5	000·5	000·4	000·3	000·2	000·1	000·0	999·9	999·8	999·8	999·7	999·9	999·9	000·0	000·2	000·1	000·1	000·4
23	999·9	999·9	000·0	999·9	000·1	000·4	000·7	001·0	001·3	001·4	001·6	002·2	002·3	002·4	002·5	002·7	003·3	003·4	003·9	004·1	004·4	004·6	004·7	004·7	002·0
24	004·8	004·7	004·6	004·2	004·4	004·3	004·5	004·8	004·7	004·7	004·8	005·1	005·3	005·4	005·4	005·5	005·4	005·4	005·8	006·4	006·6	006·9	007·0	006·9	005·3
25	006·8	006·8	006·7	006·8	007·1	007·0	006·9	006·9	006·8	006·3	006·2	006·1	006·2	006·3	006·6	006·9	007·0	006·9	007·1	007·4	007·7	007·7	007·6	007·9
26	007·4	007·0	006·7	006·7	006·4	006·1	006·4	006·4	005·9	005·9	005·7	005·6	005·5	005·4	004·9	004·5	004·1	003·7	003·5	003·1	003·3	003·2	003·0	002·4	005·2
27	001·9	001·7	001·5	001·0	000·8	000·6	000·4	000·3	000·0	999·6	999·3	999·0	998·7	998·4	997·9	997·5	997·1	996·4	996·1	995·8	995·9	995·5	994·9	994·3	998·7
28	993·8	993·2	992·9	992·5	992·5	992·1	992·3	992·4	992·6	992·7	993·0	993·2	993·4	993·8	994·3	994·5	994·9	995·6	996·0	996·5	997·1	997·4	997·6	997·9	**994·2**
29	998·1	998·4	998·8	999·1	999 6	000·1	000·6	001·2	001·6	001·8	002·4	002·4	002·5	002·9	003·2	003·5	003·9	004·2	004·5	004·6	005·0	005·1	004·8	004·6	002·1
30	004·4	004·0	003·8	003·6	003·3	003·1	003·0	002·8	003·0	003·3	003·2	003·1	002·9	002·9	002·7	002·4	001·8	001·5	001·2	001·3	001·6	001·5	001·6	001·7	002·7
31	002·0	002·5	002·7	002·9	003·2	003·5	003·8	004·3	004·2	004·4	004·7	004·9	005·1	005·5	005·9	005·9	005·8	005·9	006·2	006·7	007·0	007·1	007·3	007·3	004·8
Mean (Station level)	1009 ·15	1009 ·02	1008 ·89	1008 ·83	1008 ·86	1008 ·85	1008 ·94	1009 ·05	1009 ·02	1009 ·01	1009 ·01	1008 ·99	1009 ·03	1009 ·00	1008 ·90	1008 ·82	1008 ·72	**1008 ·66**	1008 ·76	1008 ·97	1009 ·23	1009 ·33	**1009 ·34**	1009 ·25	1008 ·98
Mean (Sea level)	1012 ·31	1012 ·18	1012 ·05	1011 ·99	1012 ·02	1012 ·00	1012 ·09	1012 ·19	1012 ·15	1012 ·14	1012 ·13	1012 ·11	1012 ·15	1012 ·12	1012 ·02	1011 ·94	1011 84	**1011 ·78**	1011 ·89	1012 ·11	1012 ·38	1012 ·48	**1012 ·50**	1012 ·41	1012 ·12

76. Aberdeen : H_b=26·0 metres. **August, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	007·2	007·2	007·0	007·2	007·3	007·4	007·2	007·2	007·3	007·3	007·1	006·9	007·1	007·0	007·0	006·5	006·3	006·3	006·4	006·8	007·1	007·1	007·3	007·5	007·0
2	007·6	007·6	007·6	007·5	007·9	008·2	008·8	009·2	009·4	009·8	009·7	010·0	010·5	010·6	010·9	011·0	012·2	012·7	013·4	014·1	014·7	015·1	015·4	015·6	010·7
3	015·8	016·4	016·5	016·8	017·2	017·6	017·9	018·2	018·8	019·3	019·6	020·0	020·2	020·4	020·4	020·4	020·7	020·7	021·0	021·4	021·8	022·2	022·3	022·6	019·4
4	022·7	022·7	022·4	022·5	022·8	022·7	022·8	022·9	022·7	022·6	022·2	021·9	021·8	021·6	021·5	020·9	020·6	020·3	020·0	019·9	019·7	019·6	019·4	019·2	021·5
5	018·7	018·4	017·9	017·5	017·0	016·7	016·7	016·5	016·1	015·7	015·2	014·7	014·3	014·1	013·5	013·2	012·5	012·4	012·4	012·5	012·4	012·0	011·2	010·9	014·9
6	010·9	010·4	010·0	009·8	009·5	009·4	009·1	009·0	008·9	008·7	008·8	008·4	008·4	008·2	007·8	006·9	006·4	006·3	006·1	005·6	005·5	005·0	005·1	004·7	008·0
7	004·2	003·8	003·3	002·8	002·6	002·3	001·7	001·3	000·6	999·8	998·8	998·7	998·6	998·8	998·8	999·0	999·1	999·5	000·3	001·2	001·9	001·8	002·0	002·3	001·0
8	002·4	002·6	002·6	002·8	003·3	003·4	003·7	004·1	004·2	004·7	005·0	005·1	005·5	004·8	004·6	004·2	003·9	003·6	003·0	002·8	002·0	001·2	000·1	998·9	003·3
9	997·6	996·9	996·3	995·8	995·3	995·7	996·3	996·8	996·9	997·4	997·8	998·1	998·3	998·6	999·1	999·0	999·2	999·4	999·7	999·9	999·9	999·9	999·8	999·6	999·5	998·0
10	999·3	998·9	998·7	998·5	998·3	998·3	998·2	998·4	998·6	998·7	998·7	998·8	998·7	998·8	998·7	998·7	998·9	999·0	999·2	999·5	999·7	999·8	999·7	999·6	998·9
11	999·4	999·4	999·5	999·4	999·4	999·6	999·8	999·9	000·1	000·3	000·6	000·8	001·0	001·1	000·9	000·8	000·9	000·9	001·2	001·5	001·7	001·9	002·0	001·8	000·5
12	001·6	001·6	001·3	001·2	001·3	001·5	001·7	001·8	002·1	002·5	002·8	003·1	003·2	003·3	003·4	003·5	003·6	003·8	004·0	004·4	004·8	005·1	005·2	005·1	002·9
13	005·4	005·4	005·5	005·4	005·5	006·0	006·5	006·7	007·1	007·4	007·5	007·5	007·7	007·8	007·6	007·6	007·6	007·7	007·7	007·5	007·2	007·0	006·9
14	006·6	005·8	005·5	005·0	004·7	004·4	004·3	004·2	003·9	003·7	003·7	003·4	003·1	002·7	002·5	002·0	001·6	001·4	001·2	001·2	001·1	000·9	000·7	000·4	003·2
15	000·0	999·8	999·5	999·5	999·1	999·2	999·3	999·4	999·4	999·5	999·6	999·6	999·6	999·6	999·5	999·5	999·6	999·6	999·9	000·2	000·5	000·4	000·5	000·3	999·7
16	000·2	000·2	000·1	000·0	999·8	999·9	999·8	000·2	000·3	000·4	000·4	000·5	000·6	000·8	001·0	000·9	001·0	001·5	001·8	002·2	002·5	002·7	002·8	002·8	000·9
17	002·7	002·9	002·9	002·9	003·0	003·5	003·8	004·1	004·3	004·4	004·4	004·8	004·8	004·7	004·6	004·7	004·9	005·2	005·4	005·6	005·9	005·8	005·8	005·8	004·4
18	005·7	005·7	005·7	005·7	005·7	005·7	005·8	005·9	006·1	006·2	006·2	006·1	005·9	005·6	005·4	005·2	005·0	004·9	004·9	004·6	004·5	004·0	003·8	003·5	005·4
19	003·6	003·4	003·3	003·0	002·9	003·0	003·0	003·0	003·0	002·7	002·6	002·7	002·7	002·6	002·8	003·0	003·4	003·6	003·7	003·8	003·9	003·8	003·7	003·2
20	003·6	003·5	003·4	002·8	002·3	002·3	001·6	001·6	001·2	000·7	000·2	999·6	998·8	998·1	997·5	996·9	996·1	995·5	994·6	994·2	993·7	993·3	992·6	992·0	998·8
21	991·5	991·1	990·6	990·4	990·1	990·1	990·1	990·1	990·1	989·9	989·7	989·4	989·1	989·0	988·9	989·0	988·6	988·4	988·2	988·2	988·1	988·1	987·9	987·4	989·4
22	987·1	986·9	986·7	986·5	986·5	986·5	986·6	986·7	986·9	987·0	987·2	987·2	987·2	987·3	987·7	987·9	988·2	988·5	988·8	989·6	990·1	990·6	991·3	991·8	**987·9**
23	992·3	992·9	993·1	993·6	994·3	995·3	996·0	996·8	997·5	998·4	999·2	000·0	000·4	000·9	001·5	002·0	002·5	003·0	003·6	004·5	004·8	005·3	005·5	005·8	999·3
24	005·8	006·0	005·8	005·9	006·2	006·6	007·0	007·3	007·5	007·9	008·2	008·3	008·6	008·7	008·7	008·9	009·4	009·9	010·7	011·4	012·0	012·3	012·8	013·2	008·6
25	013·6	013·8	014·1	014·5	015·2	015·8	016·0	016·3	016·5	016·5	016·6	016·7	016·7	016·7	016·7	016·0	015·9	015·7	015·6	015·4	015·4	015·3	014·9	014·7	015·5
26	013·5	012·7	012·2	011·3	010·6	010·6	010·4	010·0	009·5	008·6	008·0	007·7	007·6	007·3	007·1	006·8	006·6	006·5	006·1	005·9	005·1	004·4	003·7	002·6	008·4
27	001·5	000·4	998·8	998·6	997·1	997·3	997·1	997·3	997·4	998·1	998·3	998·5	998·8	998·9	999·5	000·1	000·6	001·1	001·6	002·0	002·4	002·8	003·0	003·0	999·7
28	003·2	002·9	003·2	003·3	003·3	003·5	003·9	004·4	004·4	004·5	004·3	004·3	004·3	004·6	005·0	005·6	005·8	006·6	007·2	007·9	008·5	008·5	008·6	008·9	005·2
29	008·8	008·7	008·5	008·4	008·6	008·5	008·8	009·4	009·4	009·8	010·4	011·0	011·7	012·6	013·1	014·3	015·2	016·2	017·3	018·3	019·2	020·0	020·6	021·3	012·7
30	021·9	022·0	022·3	022·6	022·9	023·5	023·9	024·3	024·6	025·0	025·1	025·4	025·5	025·5	025·5	025·5	025·4	025·4	025·5	025·7	025·7	025·7	025·7	025·8	**024·5**
31	025·7	025·5	025·2	024·9	024·6	024·5	024·3	024·4	024·3	024·1	024·0	023·7	023·2	022·6	021·9	021·4	021·4	021·3	021·1	020·7	020·4	019·9	019·3	018·8	022·9
Mean (Station level)	1005 ·81	1005 ·66	1005 ·47	1005 ·36	**1005 ·30**	1005 ·45	1005 ·55	1005 ·72	1005 ·78	1005 ·87	1005 ·87	1005 ·90	1005 ·93	1005 ·92	1005 ·88	1005 ·86	1005 ·89	1006 ·02	1006 ·17	1006 ·42	**1006 ·54**	1006 ·52	1006 ·45	1006 ·33	1005 ·89
Mean (Sea level)	1008 ·96	1008 ·81	1008 ·62	1008 ·51	**1008 ·45**	1008 ·60	1008 ·69	1008 ·84	1008 ·89	1008 ·98	1008 ·98	1009 ·00	1009 ·03	1009 ·02	1008 ·98	1008 ·96	1009 ·00	1009 ·13	1009 ·29	1009 ·55	**1009 ·67**	1009 ·66	1009 ·59	1009 ·48	1009 ·01
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

77. Aberdeen : H_b (Height of barometer cistern above M.S.L.) = 26·0 metres. **September, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	018·1	017·4	016·8	016·1	015·7	015·4	015·0	015·0	014·5	014·1	013·9	013·5	013·3	013·2	013·0	012·8	012·8	013·0	013·6	014·0	014·4	014·6	015·2	015·6	014·7
2	015·7	016·0	016·3	016·7	017·1	017·8	018·5	018·6	018·8	019·0	019·3	019·5	019·6	019·3	019·6	019·7	020·0	020·4	020·8	021·2	021·2	021·2	021·2	021·3	019·0
3	021·3	021·2	021·2	021·2	021·4	021·5	021·7	021·8	021·6	021·7	021·7	021·5	021·4	021·2	020·9	020·8	020·5	020·6	021·0	021·3	021·3	021·2	021·1	021·0	**021·3**
4	020·8	020·6	020·4	020·2	020·1	020·2	020·3	020·2	020·2	019·8	019·6	019·4	019·1	018·8	018·5	018·2	018·3	018·2	018·3	018·4	018·3	018·2	017·9	017·8	019·3
5	017·4	017·2	016·7	016·3	016·1	016·2	016·2	016·2	016·4	016·2	016·1	015·9	015·6	015·5	015·2	015·2	015·0	015·0	014·8	014·9	015·2	015·2	015·1	015·1	014·9	015·8
6	014·8	014·6	014·3	013·8	014·0	013·8	013·8	013·7	013·5	013·0	012·7	012·6	012·3	011·7	011·2	010·8	010·4	009·9	009·5	008·9	008·3	007·8	007·6	007·4	011·8
7	007·2	007·4	007·1	007·3	007·5	007·3	007·5	007·8	008·2	008·5	008·5	008·9	009·5	009·8	010·0	010·6	010·8	011·0	011·5	012·1	012·2	012·3	012·0	011·9	009·4
8	011·5	010·9	010·4	009·6	009·0	008·6	007·7	006·7	005·8	004·4	003·3	001·9	001·2	000·6	999·4	998·4	997·6	996·1	995·4	993·9	992·9	991·1	989·1	987·7	001·9
9	987·5	988·0	988·2	989·3	990·8	992·2	993·3	994·8	995·6	996·3	997·0	997·8	998·2	998·4	998·4	998·6	998·7	998·4	998·2	999·1	999·4	999·2	999·1	999·0	998·9	995·5
10	998·5	998·4	998·4	998·3	998·0	997·9	998·2	998·4	998·5	998·5	998·6	998·7	998·9	999·0	999·1	999·5	999·6	999·9	000·3	000·8	001·0	001·2	001·4	001·6	999·2
11	002·0	002·5	002·3	002·6	002·9	003·4	003·9	004·4	005·0	005·7	006·2	006·8	006·5	007·3	007·5	008·2	008·7	009·4	010·1	010·5	010·7	011·2	011·8	012·0	006·5
12	012·2	012·4	012·1	012·0	012·3	012·8	013·1	013·3	013·1	013·0	012·8	012·6	012·5	012·3	011·8	011·5	011·4	011·3	011·2	010·9	010·7	010·6	010·1	009·8	012·0
13	009·5	009·2	009·2	009·2	009·3	009·6	010·0	010·3	010·3	010·9	010·8	010·8	010·8	010·8	010·8	010·7	010·9	010·8	011·1	011·1	011·0	010·9	011·0	011·0	010·4
14	011·1	010·7	010·6	010·5	010·5	010·6	010·9	011·5	011·7	011·9	012·1	012·0	012·0	011·9	011·9	011·9	012·0	012·2	012·5	012·9	013·0	013·5	013·4	013·2	011·8
15	013·2	013·0	012·9	012·5	012·6	012·5	012·5	012·5	012·5	012·3	011·9	011·5	010·8	010·5	009·6	008·8	008·0	007·6	006·9	006·6	006·1	005·6	004·4	003·7	010·1
16	002·9	002·1	000·8	999·3	998·5	997·9	997·1	996·4	995·5	994·8	993·9	993·4	992·4	991·5	990·2	989·4	989·8	989·7	989·7	989·7	989·9	990·0	990·0	990·0	994·2
17	990·0	990·0	990·2	990·6	990·9	991·2	991·6	992·3	993·0	993·3	993·5	993·8	993·9	994·2	994·6	994·3	994·2	994·5	994·4	994·2	993·4	992·7	991·6	990·9	992·6
18	990·3	989·8	989·3	988·8	988·6	988·6	988·9	988·9	989·3	990·0	990·9	991·7	992·3	992·7	993·7	994·5	995·2	996·1	996·5	997·1	997·3	997·6	997·6	997·8	992·5
19	997·7	997·3	997·1	996·8	996·3	995·9	995·4	995·0	994·8	994·1	993·5	993·1	992·0	991·5	990·7	990·3	989·8	989·6	990·1	990·5	991·7	993·5	994·3	995·0	993·6
20	995·7	996·7	997·1	997·9	998·4	999·2	999·7	000·1	000·4	000·8	001·0	001·1	001·2	001·0	000·8	000·7	000·4	000·4	000·4	000·2	999·8	999·8	999·4	998·9	999·5
21	998·4	998·1	997·5	997·4	997·3	997·3	997·3	997·3	997·4	997·6	997·7	997·7	997·6	997·1	997·2	996·9	996·8	997·2	996·9	996·6	996·6	996·6	996·8	996·5	997·3
22	996·6	996·3	995·9	995·3	994·9	995·0	994·7	994·2	993·8	993·0	992·1	991·0	989·9	989·0	987·8	987·1	986·2	985·5	984·8	984·3	983·8	983·3	982·7	990·8	
23	981·9	981·1	980·2	979·2	978·5	977·6	976·6	976·4	975·8	976·0	976·3	976·6	977·1	977·0	977·4	977·5	977·7	978·0	977·6	978·0	977·6	977·3	977·8		
24	977·0	976·7	976·1	975·8	975·7	975·4	975·2	975·3	975·4	975·5	975·5	975·5	975·7	975·7	975·8	975·8	976·0	976·5	976·8	977·2	977·3	977·5	977·4	977·6	**976·2**
25	977·3	977·2	976·9	976·4	976·3	976·0	976·4	977·3	978·1	979·0	979·6	980·0	980·5	981·4	981·7	982·0	982·5	983·1	983·7	984·3	984·6	985·2	985·5	985·8	980·3
26	986·0	986·2	986·4	986·8	987·4	988·0	988·8	989·4	990·2	991·0	991·5	991·9	992·5	993·3	994·1	995·1	996·4	997·6	998·8	999·9	001·3	002·3	002·9	003·7	993·0
27	004·2	004·7	005·4	006·1	006·9	008·1	009·2	010·1	010·9	011·8	012·4	012·9	013·0	013·5	013·4	013·7	014·0	014·0	014·2	013·9	013·9	013·6	013·2	012·7	010·9
28	012·4	012·1	011·2	009·9	009·4	008·6	007·8	006·9	006·2	005·6	004·9	003·9	002·7	002·7	002·3	001·5	000·5	000·3	999·7	998·7	998·4	998·4	997·9	997·6	004·5
29	997·1	996·4	995·8	995·6	995·0	994·3	994·2	994·2	994·0	993·9	993·6	993·7	993·8	993·7	993·9	994·7	995·3	996·0	996·6	996·9	997·3	997·3	997·4	995·2	
30	997·7	997·7	997·6	997·7	997·6	998·0	998·4	998·8	999·0	999·2	999·2	999·1	999·2	998·7	998·6	998·0	997·5	997·2	997·0	997·0	997·0	996·9	996·6	996·1	997·9
Mean (Station level)	**1002** ·20	1002 ·06	1001 ·81	1001 ·64	1001 ·63	1001 ·70	1001 ·80	1001 ·94	1002 ·02	1002 ·05	1002 ·03	1001 ·98	1001 ·88	1001 ·81	1001 ·66	**1001** ·57	1001 ·57	1001 ·64	1001 ·79	1001 ·86	1001 ·85	1001 ·89	1001 ·73	1001 ·57	1001 ·84
Mean (Sea level)	**1005** ·38	1005 ·23	1004 ·98	1004 ·81	1004 ·80	1004 ·87	1004 ·96	1005 ·09	1005 ·17	1005 ·19	1005 ·17	1005 ·12	1005 ·01	1004 ·94	1004 ·79	**1004** ·70	1004 ·71	1004 ·78	1004 ·94	1005 ·01	1005 ·01	1005 ·05	1004 ·89	1004 ·73	1004 ·99

78. Aberdeen : H_b = 26·0 metres. **October, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	996·1	995·5	995·0	994·3	993·9	994·0	993·9	993·7	993·4	993·2	992·8	992·6	992·4	992·3	992·6	992·5	992·9	994·4	995·2	995·9	996·5	997·4	997·9	998·1	994·4
2	998·5	997·7	997·8	997·3	997·0	995·9	994·7	992·8	990·7	987·9	984·6	983·3	982·5	982·7	985·8	988·5	991·4	994·6	997·4	000·1	002·3	004·0	005·8	007·0	994·0
3	008·9	010·4	011·3	012·8	013·8	014·7	016·0	016·8	017·7	018·6	018·8	019·1	019·2	019·2	019·3	019·7	020·3	020·6	021·0	021·5	022·0	022·5	022·9	023·1	017·6
4	023·6	023·6	023·8	023·9	024·0	024·3	024·5	025·1	025·3	025·6	025·7	025·6	025·8	025·7	025·5	025·6	026·1	026·3	026·6	027·0	027·0	027·1	027·1	027·2	025·4
5	027·3	027·1	027·1	027·2	027·3	027·5	027·7	027·9	027·7	027·5	027·4	027·1	026·8	026·4	026·3	026·2	026·2	026·3	026·2	026·2	026·0	025·9	025·8	025·6	026·8
6	025·3	025·1	024·8	024·5	024·4	024·4	024·4	024·4	024·5	024·5	024·6	024·5	024·1	023·8	023·5	023·4	023·1	023·1	023·0	023·1	023·1	023·1	023·0	023·0	022·9	023·9
7	022·6	022·9	022·9	023·0	023·4	023·8	024·2	024·4	024·8	025·4	025·6	026·0	026·2	026·5	026·7	026·9	027·3	027·7	027·9	028·0	028·0	028·2	028·1	025·7	
8	028·3	028·4	028·3	028·4	028·7	028·7	029·0	029·3	029·4	029·5	029·5	029·6	029·7	029·6	029·6	029·9	030·1	030·4	030·6	030·7	030·7	030·7	030·6	030·6	029·5
9	030·7	030·5	030·2	030·3	030·2	030·2	030·3	030·3	030·3	030·3	030·2	030·0	029·8	029·5	029·6	029·5	029·5	029·5	029·4	029·4	029·4	029·2	028 8	028·7	**029·9**
10	028·3	028·1	027·7	027·6	027·3	027·3	027·4	027·4	027·5	027·6	027·5	027·4	027·2	026·9	026·7	026·6	026·7	027·0	027·1	027·1	027·2	027·3	027·3	027·6	027·3
11	027·7	027·4	027·3	027·3	027·1	027·1	027·3	027·8	028·0	028·4	028·4	028·3	028·2	028·1	028·0	027·8	028·0	028·0	028·0	028·0	028·1	028·1	028·1	028·1	028·2	027·9
12	028·2	028·0	027·9	027·7	027·6	027·1	027·3	027·4	027·3	027·2	026·9	026·4	026·0	025·8	025·4	025·0	024·8	024·5	024·5	024·2	024·0	023·7	023·3	022·8	026·1
13	022·1	021·2	020·5	019·7	018·7	018·2	017·5	017·1	016·7	016·4	016·2	016·2	016·0	015·7	015·6	015·6	015·5	015·4	015·3	015·4	015·6	015·5	015·3	015·3	017·1
14	015·3	015·1	015·0	015·2	015·3	015·4	015·6	016·0	016·3	016·6	017·0	017·1	017·1	017·3	017·3	017·5	017·7	018·1	018·4	018·4	018·4	018·4	018·2	017·9	016·8
15	017·5	017·1	016·7	016·3	015·6	014·7	014·6	014·3	014·0	013·3	012·6	012·0	011·5	011·1	010·3	009·9	010·4	010·3	010·4	010·4	010·4	010·4	C10·1	010·1	009·7	012·8
16	009·7	009·6	009·7	009·5	009·2	009·1	009·1	008·9	008·6	007·7	006·9	005·8	004·6	003·4	002·3	001·4	999·9	999·2	998·8	998·3	998·1	997·7	997·4	997·0	cc4·5
17	996·9	996·5	996·3	995·8	995·5	995·2	995·1	995·0	994·6	994·1	994·5	994·2	994·5	994·8	995·2	995·6	996·5	996·8	997·2	997·4	998·1	998·2	998·1	cc0·0	996·0
18	001·4	002·2	002·4	002·9	003·5	003·8	004·0	004·4	004·4	004·5	004·2	003·7	002·9	002·6	001·6	000·8	000·5	000·4	999·9	999·5	999·1	998·7	997·9	997·4	C01·8
19	996·6	995·5	994 5	993·6	993·4	993·2	993·3	993·7	994·5	995·2	996·2	996·9	997·6	998·5	998·9	999·7	000·3	000·6	C01·0	C01·8	C02·4	003·2	C03·9	C04·3	997·7
20	004·9	005·8	006·4	006·7	007·3	007·8	008·6	009·4	010·0	010·9	011·3	011·7	011·9	012·2	012·4	012·8	013·4	014·0	014·5	014·7	015·0	015·1	015·3	015·3	010·9
21	015·2	015·0	015·1	015·0	015·0	015·0	015·1	015·2	015·3	015·1	015·0	014·9	014·7	014·2	013·9	013·4	012·9	013·2	013·0	012·4	012·1	011·5	010·7	cc9·8	014·0
22	008·8	007·9	006·8	005·8	004·9	004·1	003·6	003·2	002·6	001·9	001·3	000·2	999·0	998·2	997·5	996·8	996·8	996·9	997·0	997·4	997·8	998·3	998·4	998·4	C01·2
23	998·6	998·7	999·0	999·5	999·9	000·1	000·5	001·3	001·7	002·0	002·1	002·1	002·2	002·1	002·5	002·4	002·5	002·8	C03·0	C03·3	C03·5	C03·3	C03·1	C03·0	C01·5
24	002·8	002·7	002·6	002·5	002·6	002·5	002·5	002·7	003·2	002·8	002·8	002·6	002·9	002·4	002·3	002·0	C01·4	000·8	999·9	999·7	997·5	996·6	995·2	994·2	C01·3
25	993·4	991·8	990·9	990·6	990·7	990·8	990·8	991·0	991·1	991·5	991·2	990·9	990·2	989·8	989·1	988·9	989·6	991·8	992·5	992·4	992·5	991·8	991·3	990·4	991·1
26	989·6	989·4	989·3	989·5	990·5	991·7	993·2	993·3	993·7	993·7	993·3	992·3	991·8	990·9	990·4	991·1	991·9	992·6	993·2	993·7	993·8	993·9	994·0	993·6	992·0
27	992·6	991·2	988·8	985·2	981·9	977·8	975·1	974·9	976·3	981·1	984·5	986·9	988·3	989·1	989·7	990·7	991·9	993·1	993·7	994·2	994·7	995·5	996·1	**987·8**	
28	996·4	996·6	996·7	996·7	997·1	997·7	998·3	999·0	998·7	998·5	998·0	997·4	996·7	995·1	993·4	991·4	988·8	986·3	984·0	981·3	978·8	976·6	974·8	973·3	991·8
29	973·1	974·0	975·7	978·2	980·7	983·6	987·2	991·8	995·1	998·9	000·8	002·0	C02·8	003·3	004·6	005·3	005·8	C06·6	C07·0	C07·1	C07·0	006·7	CC6·1	C05·7	995·5
30	004·8	004·0	003·2	002·3	002·0	C01·6	C01·0	000·6	000·5	000·0	999·0	998·8	998·1	997·0	996·0	995·1	994·4	993·9	993·5	993·6	993·5	993·3	992·9	993·1	998·3
31	994·2	994·2	994·5	995·5	996·2	997·0	998·2	999·1	999·9	000·9	001·8	C02·3	C02·7	003·4	003·9	004·8	005·4	C06·2	CC6·8	C07·5	C08·4	CC8·9	CC9·8	C10·5	C01·8
Mean (Station level)	1009 ·01	1008 ·81	1008 ·65	1008 ·54	1008 ·54	**1008** ·53	1008 ·71	1008 ·98	1009 ·15	1009 ·38	1009 ·37	1009 ·27	1CC9 ·13	1CC8 ·94	1CC8 ·90	1CC8 ·92	1CC9 ·10	1CC9 ·40	1CC9 ·55	1CC9 ·64	**1CC9** ·69	1CC9 ·66	1CC9 ·57	1CC9 ·51	1CC9 ·11
Mean (Sea level)	1012 ·21	1012 ·01	1011 ·85	1011 ·74	1011 ·74	**1011** ·73	1011 ·91	1012 ·18	1012 ·34	1012 ·56	1012 ·55	1012 ·44	1012 ·30	1012 ·11	1012 ·07	1012 ·10	1012 ·28	1012 ·59	1012 ·74	1012 ·83	**1012** ·89	1012 ·86	1012 ·77	1012 ·71	1012 ·30
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

79. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·0 metres. **November, 1927.**

Station Level — Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
1	011·3	011·6	012·2	012·4	012·5	012·8	012·6	013·4	012·7	011·9	011·1	009·7	008·6	007·4	006·5	005·1	004·3	003·7	003·5	003·4	003·0	002·8	002·8	003·2	008·4
2	003·0	003·6	002·8	002·6	002·8	002·7	001·8	003·9	004·4	005·8	006·8	007·5	007·9	008·2	009·1	009·2	009·8	010·0	010·1	009·8	009·6	009·8	009·6	009·3	006·5
3	008·6	008·0	006·7	006·3	004·7	002·8	002·7	002·8	002·4	002·1	002·2	001·9	002·0	001·9	001·7	001·9	001·8	002·0	001·9	001·6	001·3	000·5	000·1	000·8	003·0
4	000·9	001·4	001·5	001·4	001·3	001·2	001·0	001·4	002·6	003·5	004·5	005·4	006·2	007·2	007·8	008·8	009·2	010·3	010·4	010·3	010·3	009·6	008·7	007·9	005·4
5	006·7	004·9	003·5	001·9	000·3	998·1	996·2	994·0	992·1	991·5	990·7	990·2	989·1	988·7	988·1	987·3	987·1	986·8	986·1	985·5	985·1	984·5	984·5	984·2	992·5
6	983·6	983·1	982·6	982·2	982·2	982·3	982·4	982·6	982·4	982·0	982·2	982·2	983·2	984·3	985·0	984·9	985·2	985·9	986·5	987·0	987·5	987·5	987·6	987·7	**984·2**
7	987·9	987·9	987·9	988·0	988·5	988·8	989·3	990·1	990·9	991·7	991·9	991·9	992·1	992·5	992·7	993·2	994·0	994·5	995·3	995·5	995·7	996·4	996·8	997·3	991·9
8	997·6	998·5	999·1	999·6	999·7	000·5	001·3	002·1	002·9	003·0	003·4	003·5	003·5	003·8	003·9	003·8	003·9	003·9	003·6	003·4	003·4	003·0	002·1	000·9	000·3	001·9
9	000·2	999·1	998·1	997·5	997·3	996·9	996·8	996·7	995·8	995·3	995·0	994·1	993·4	992·7	992·4	992·5	992·4	992·1	991·7	991·8	992·0	992·6	993·1	994·0	994·9
10	994·2	995·3	995·3	995·3	995·4	995·1	996·4	996·9	997·2	997·5	998·3	998·3	998·5	999·0	999·0	999·6	000·5	001·3	001·9	002·2	002·3	002·4	002·8	002·9	998·5
11	003·6	003·6	003·7	004·4	004·9	004·7	004·8	005·1	005·6	005·6	005·9	006·3	006·4	006·7	007·0	007·5	007·8	008·2	008·6	009·5	010·2	010·7	011·7	012·1	006·7
12	013·8	015·2	015·9	016·9	017·5	018·6	019·8	021·0	021·7	023·0	023·1	023·5	024·0	024·2	024·2	024·5	024·9	025·0	025·0	024·9	024·7	024·4	023·9	023·6	021·6
13	023·3	022·7	022·1	021·2	020·6	020·2	020·0	020·0	020·1	020·0	019·9	019·6	019·4	019·3	019·0	018·9	019·0	019·1	019·3	019·5	019·7	019·7	019·6	019·5	020·2
14	019·3	019·2	019·0	018·7	018·3	017·9	017·6	017·6	017·1	016·1	015·6	014·9	014·2	013·9	013·9	013·6	013·8	014·0	013·8	013·8	013·8	014·1	014·1	014·3	015·9
15	014·2	014·2	014·1	013·9	014·2	014·2	014·3	014·5	014·5	014·3	014·2	013·9	013·6	013·2	012·8	012·4	012·4	012·4	012·0	011·4	011·1	011·0	010·7	010·1	013·2
16	010·1	010·0	010·0	010·0	010·0	010·2	010·2	010·3	010·5	010·6	010·5	010·4	010·4	010·5	010·3	010·4	010·6	010·9	011·0	011·6	011·8	012·1	012·6	012·8	012·9	010·8
17	013·2	013·0	013·0	013·0	012·9	013·1	013·4	013·6	013·7	013·9	014·0	013·7	013·3	013·0	012·7	012·5	012·6	012·6	012·4	012·1	011·9	011·7	011·6	011·4	012·9
18	011·1	010·6	010·3	010·0	010·0	009·9	010·1	010·1	010·3	010·2	010·2	009·9	009·7	009·3	009·1	008·9	008·9	009·4	009·6	009·6	009·9	010·3	010·7	010·9	010·0
19	011·0	011·0	011·0	011·0	010·9	011·1	011·2	011·6	012·2	012·4	012·6	012·6	012·5	012·2	012·2	012·3	012·4	012·8	013·0	012·9	012·9	012·8	012·8	013·0	012·1
20	012·9	012·9	012·8	012·7	012·8	012·8	013·1	013·2	013·4	013·5	013·7	013·9	013·8	013·6	013·8	013·8	014·2	014·5	014·5	014·4	014·3	014·2	014·2	014·5	013·6
21	014·4	014·6	014·6	014·4	014·4	014·4	014·6	014·9	015·2	015·6	015·8	016·0	016·2	016·1	016·2	016·2	016·3	016·5	016·4	016·6	016·4	016·2	016·0	015·5	015·6
22	014·8	014·4	014·0	013·6	013·2	013·2	013·2	012·6	012·5	012·7	013·0	012·9	012·5	012·2	011·9	011·8	011·8	011·6	011·4	011·3	011·6	011·3	011·5	010·7	012·5
23	010·4	009·9	009·4	009·0	008·3	007·6	006·8	006·4	006·1	004·9	004·0	002·6	001·3	000·3	999·1	997·3	995·5	994·0	992·1	991·5	989·8	989·5	989·7	989·9	001·1
24	990·9	992·2	993·6	994·6	995·7	997·1	998·0	999·0	000·2	001·0	001·2	001·5	002·0	002·1	002·4	002·2	002·2	002·0	002·2	002·7	003·0	003·6	004·4	004·6	999·6
25	005·4	006·2	007·2	007·8	008·7	009·6	011·0	012·2	012·6	013·8	015·0	015·5	016·3	016·7	017·0	017·1	017·7	018·1	018·0	017·9	017·7	017·9	017·8	018·0	013·7
26	018·2	018·0	018·3	018·1	017·8	016·9	016·8	017·1	018·0	017·9	017·8	017·2	017·0	016·9	015·5	016·3	015·9	016·0	016·0	015·9	015·4	015·1	014·7	014·3	016·8
27	013·3	013·1	012·6	012·3	012·3	012·4	013·4	014·3	015·3	016·0	016·5	016·5	017·1	017·7	018·2	019·0	019·5	019·9	020·2	020·2	020·3	020·8	020·3	020·6	016·6
28	020·3	019·9	019·4	019·0	018·0	017·6	016·4	015·2	014·4	012·8	009·6	008·5	008·0	008·0	007·3	007·2	006·7	007·2	008·0	009·4	010·3	011·0	011·9	013·0	012·6
29	013·7	014·9	015·7	016·9	017·7	018·7	019·6	021·4	022·6	023·8	024·8	025·4	026·1	026·9	027·9	029·0	029·6	030·3	030·8	031·2	031·5	032·0	032·1	032·0	024·4
30	031·9	031·8	031·8	031·7	031·7	031·3	031·4	031·1	031·2	030·7	030·3	029·6	029·0	028·1	027·6	027·3	026·9	026·6	026·3	025·9	025·5	024·9	024·2	023·9	**028·9**
Mean (Station level)	1008 ·66	1008 ·69	1008 ·61	1008 ·55	1008 ·49	**1008 ·43**	1008 ·53	1008 ·85	1009 ·04	1009 ·12	**1009 ·13**	1008 ·96	1008 ·90	1008 ·87	1008 ·81	1008 ·83	1008 ·91	1009 ·04	1009 ·07	1009 ·10	1009 ·05	1009 ·07	1009 ·01	1009 ·06	1008 ·86
Mean (Sea level)	1011 ·89	1011 ·92	1011 ·84	1011 ·78	1011 ·72	**1011 ·66**	1011 ·76	1012 ·08	1012 ·27	1012 ·34	**1012 ·35**	1012 ·18	1012 ·11	1012 ·09	1012 ·03	1012 ·05	1012 ·13	1012 ·26	1012 ·30	1012 ·33	1012 ·28	1012 ·30	1012 ·24	1012 ·29	1012 ·08

80. Aberdeen : H_b = 26·0 metres. **December, 1927.**

Station Level —	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	023·4	023·3	023·1	022·8	022·1	022·0	022·3	022·3	022·4	022·4	022·1	021·9	021·9	021·7	021·6	021·6	021·5	021·6	021·5	021·5	021·3	021·3	021·5	021·5	020·9	022·1
2	020·7	020·6	020·7	020·9	020·7	020·9	020·9	021·0	021·4	022·3	022·2	021·7	021·5	021·4	021·3	021·4	021·3	021·2	021·3	021·1	020·6	020·5	020·4	019·8	021·1
3	019·0	018·5	018·1	017·7	017·4	016·7	016·0	015·8	015·5	015·3	014·5	013·6	012·7	012·1	011·6	011·3	011·1	010·7	010·2	010·1	010·0	009·9	009·8	009·7	013·9
4	009·6	009·6	009·6	009·6	009·8	009·9	010·1	009·9	009·6	009·4	009·4	009·0	008·9	008·6	008·5	008·6	008·4	008·1	007·5	007·3	007·0	006·7	006·2	006·1	008·9
5	005·5	005·1	004·6	004·1	003·6	002·8	002·3	001·8	001·1	001·2	000·5	999·8	998·4	997·8	997·5	997·1	996·9	996·3	995·8	995·2	994·8	994·5	994·2	994·1	999·6
6	993·4	993·3	993·2	993·2	993·0	993·4	993·6	994·5	995·3	996·0	996·7	996·9	997·1	997·8	998·4	999·4	000·0	001·1	002·0	003·1	003·5	004·4	005·3	006·0	997·7
7	006·5	007·1	007·9	008·4	009·1	009·4	009·9	010·6	011·1	011·1	011·0	010·8	010·8	011·0	011·4	011·7	011·7	011·9	012·1	012·1	012·2	012·1	012·1	012·0	010·5
8	011·8	011·9	011·8	011·6	011·1	010·8	010·7	010·6	010·5	010·1	009·7	009·4	009·3	009·1	008·8	008·5	008·6	008·3	008·3	008·1	008·0	007·8	007·7	007·4	009·7
9	007·2	007·2	007·2	007·0	007·0	007·0	007·3	007·5	008·2	008·6	009·0	008·9	009·3	009·5	009·9	010·3	010·8	010·8	011·3	011·6	012·4	012·9	013·2	013·3	009·4
10	013·8	014·3	014·6	014·8	015·2	015·4	015·8	016·4	017·0	017·8	018·1	018·2	018·1	018·2	018·5	018·6	018·9	018·8	019·1	019·2	019·2	019·5	019·6	019·7	017·3
11	019·5	019·4	019·5	019·4	019·5	019·4	019·3	019·4	019·6	019·8	019·9	019·5	019·2	018·9	018·7	018·2	018·1	018·0	017·9	017·9	017·8	017·5	017·2	017·2	018·8
12	017·0	016·8	016·7	016·5	016·2	016·0	015·6	015·7	015·8	015·7	015·4	015·1	014·7	014·4	014·1	013·9	013·7	013·6	013·1	012·6	012·0	011·6	011·2	010·7	014·6
13	009·8	009·2	008·8	008·0	007·5	007·1	006·9	006·7	006·7	006·5	005·9	005·8	005·6	005·4	005·1	005·4	005·1	005·1	005·1	004·9	005·0	005·0	004·9	0046	006·4
14	004·6	004·4	004·4	004·3	004·1	004·1	004·2	004·5	004·5	004·4	004·3	004·5	004·8	004·9	005·2	005·5	005·9	005·9	006·5	007·0	007·2	007·8	008·1	008·7	005·3
15	009·0	010·3	010·9	011·7	012·6	013·4	014·6	015·7	016·8	017·8	018·8	019·4	020·1	020·7	021·4	021·8	022·7	023·2	023·8	024·1	024·7	025·1	025·6	026·2	018·4
16	026·4	026·7	027·1	027·6	027·9	028·4	029·1	029·7	030·3	030·5	030·7	030·9	031·3	031·5	031·9	032·4	032·5	032·7	032·9	033·2	033·4	033·4	033·4	033·4	030·6
17	033·3	033·2	032·9	033·0	033·0	032·9	033·0	033·0	033·2	033·2	033·0	032·7	032·4	032·3	032·4	032·7	032·6	032·6	032·6	032·6	032·8	032·9	032·7	032·8	
18	032·6	032·8	032·7	032·7	032·6	032·4	032·4	033·0	033·3	033·9	033·8	034·2	033·7	033·4	033·6	033·6	033·6	033·3	033·3	033·3	033·3	033·0	032·9	032·3	031·7	033·1
19	031·5	031·2	030·7	030·0	029·4	028·9	028·7	028·7	028·7	028·7	028·7	028·1	027·2	026·3	025·6	025·1	024·7	024·0	023·7	023·2	023·0	022·1	021·9	021·7	021·1	026·6
20	020·6	020·2	019·7	019·2	018·8	018·5	018·1	018·1	017·9	017·3	017·0	016·0	015·4	015·1	014·5	013·9	013·2	012·7	012·1	011·6	011·0	010·1	009·4	008·6	015·6
21	007·5	006·8	005·9	004·9	003·9	003·0	002·4	002·0	001·6	001·0	000·2	999·2	998·5	997·7	996·9	996·3	995·8	995·5	994·8	994·4	994·0	992·9	992·2	991·4	999·5
22	990·5	989·6	988·6	987·2	985·9	984·6	983·2	982·2	981·4	979·5	978·5	977·1	976·0	974·9	974·5	974·3	974·0	973·7	973·4	973·5	973·6	973·8	974·3	974·6	**979·5**
23	974·9	975·7	976·3	976·5	976·9	977·6	978·4	979·1	980·1	981·0	981·7	982·2	982·8	983·5	984·2	985·1	985·9	986·9	987·2	987·9	988·5	989·3	989·6	989·9	982·2
24	990·5	990·9	991·4	991·7	992·2	992·4	992·6	993·4	994·3	995·2	995·8	995·8	996·2	996·5	996·8	997·4	997·7	997·9	998·2	998·6	998·9	999·0	998·9	999·0	995·3
25	999·1	999·4	999·6	999·7	999·9	000·5	001·0	001·5	001·9	002·8	003·0	003·2	003·4	003·5	004·1	004·6	004·9	005·5	005·8	006·4	0c6·7	0c6·9	006·9	007·2	003·1
26	007·3	008·0	008·1	008·7	008·9	009·5	010·0	010·9	012·2	013·4	014·1	014·1	014·8	015·7	016·4	017·4	017·4	018·2	019·0	020·2	020·9	021·6	022·2	022·9	023·7	014·6
27	024·1	024·8	025·5	026·0	026·6	027·5	028·1	028·8	030·1	030·9	031·4	031·7	032·3	032·8	033·8	034·2	034·7	035·3	036·2	036·7	037·2	037·5	038·1	038·6	031·5
28	038·9	039·2	039·7	040·0	040·2	040·5	040·9	041·1	041·2	042·0	041·9	041·5	041·3	041·4	041·5	041·8	041·8	041·7	041·7	041·6	041·2	041·2	040·7	040·4	**040·9**
29	039·8	039·3	038·8	038·4	037·7	037·2	037·1	037·2	037·2	036·6	036·1	035·7	035·5	035·4	035·1	034·9	034·6	034·2	033·8	033·7	033·3	032·8	032·3	036·2	
30	031·9	031·8	031·2	030·2	029·6	029·4	029·2	028·8	028·7	028·2	027·9	027·2	026·3	025·6	024·9	024·4	023·7	023·1	022·7	022·2	021·7	021·0	020·9	019·9	026·5
31	019·7	019·4	019·0	018·5	018·1	017·8	017·7	017·6	017·8	017·7	017·7	017·4	017·4	017·4	017·7	017·8	018·0	018·5	019·0	019·5	020·0	020·7	020·8	021·0	018·6
Mean (Station level)	1014 ·17	1014 ·19	1014 ·14	1014 ·01	1013 ·88	**1013 ·84**	1013 ·91	1014 ·11	1014 ·38	**1014 ·56**	1014 ·49	1014 ·24	1014 ·07	1014 ·01	1014 ·06	1014 ·16	1014 ·21	1014 ·25	1014 ·31	1014 ·35	1014 ·36	1014 ·39	1014 ·36	1014 ·26	1014 ·20
Mean (Sea level)	1017 ·45	1017 ·47	1017 ·42	1017 ·29	1017 ·16	**1017 ·12**	1017 ·19	1017 ·39	1017 ·66	**1017 ·84**	1017 ·77	1017 ·52	1017 ·34	1017 ·28	1017 ·33	1017 ·44	1017 ·49	1017 ·53	1017 ·59	1017 ·63	1017 ·64	1017 ·67	1017 ·64	1017 ·54	1017 ·48
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.

ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

81. Aberdeen : $H_b = 26{\cdot}0$ metres. **1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Station Level.	mb. 006·70	mb. 006·59	mb. 006·45	mb. 006·36	mb. **006·34**	mb. 006·37	mb. 006·48	mb. 006·66	mb. 006·77	mb. 006·83	mb. 006·81	mb. 006·71	mb. 006·62	mb. 006·49	mb. 006·42	mb. 006·38	mb. 006·42	mb. 006·52	mb. 006·61	mb. 006·74	mb. 006·82	mb. **006·86**	mb. 006·83	mb. 006·79	mb. 006·61
Sea Level.	009·90	009·79	009·66	009·57	**009·55**	009·57	009·68	009·86	009·96	010·02	009·99	009·89	009·80	009·67	009·60	009·56	00·960	009·71	009·80	009·93	010·02	**010·06**	010·03	009·99	009·80

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

82. Aberdeen : $H_b = 26{\cdot}0$ metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	**935·24**	+0·45	+0·44	+0·36	+0·33	+0·25	+0·18	+0·19	+0·40	+0·44	+0·45	+0·39	+0·05	−0·20	−0·55	−0·67	**−0·71**	−0·63	−0·59	−0·64	−0·45	−0·27	0·00	+0·30	**+0·47**
Feb.	1010·69	+0·02	+0·01	−0·08	−0·20	−0·22	−0·24	−0·11	+0·08	+0·22	+0·26	**+0·27**	+0·18	+0·05	−0·10	−0·23	**−0·25**	−0·14	+0·02	+0·07	+0·09	+0·13	+0·09	+0·05	+0·05
Mar.	999·14	+0·20	0·00	−0·31	−0·43	**−0·47**	−0·42	−0·30	−0·07	+0·08	+0·13	+0·23	+0·20	+0·13	−0·06	−0·11	−0·16	−0·10	+0·09	+0·21	+0·19	**+0·27**	+0·22	+0·24	+0·23
April	1004·76	+0·04	−0·17	−0·21	−0·27	−0·18	+0·02	+0·20	+0·30	+0·36	**+0·42**	+0·33	+0·21	+0·17	−0·08	−0·18	−0·33	**−0·33**	−0·32	−0·18	+0·03	+0·03	+0·06	+0·01	+0·05
May	**1014·50**	0·00	−0·10	−0·20	−0·26	−0·21	−0·12	+0·05	+0·14	+0·21	+0·19	+0·16	+0·09	+0·03	−0·04	−0·15	−0·21	**−0·27**	−0·17	−0·07	+0·13	**+0·27**	+0·26	+0·18	+0·08
June	1006·32	+0·21	+0·03	−0·12	−0·20	−0·22	−0·20	−0·11	+0·03	+0·09	+0·10	+0·06	+0·04	−0·06	−0·18	−0·24	**−0·33**	−0·30	−0·19	−0·07	+0·17	+0·32	**+0·44**	+0·39	+0·33
July	1008·98	+0·17	+0·04	−0·09	−0·15	−0·12	−0·13	−0·04	+0·07	+0·03	+0·03	+0·02	+0·01	+0·04	+0·01	−0·08	−0·16	−0·27	**−0·32**	−0·23	−0·02	+0·24	+0·34	**+0·35**	+0·26
Aug.	1005·89	+0·09	−0·08	−0·29	−0·41	**−0·49**	−0·35	−0·27	−0·11	−0·07	+0·01	−0·01	0·00	+0·02	−0·01	−0·06	−0·09	−0·08	+0·03	+0·17	+0·40	**+0·50**	+0·47	+0·38	+0·25
Sept.	1001·84	+0·02	−0·09	−0·31	**−0·45**	−0·43	−0·33	−0·19	−0·02	+0·09	+0·15	+0·16	+0·15	+0·07	+0·04	−0·09	−0·14	−0·11	−0·01	+0·17	+0·28	+0·30	**+0·37**	+0·24	+0·11
Oct.	1009·11	+0·11	−0·11	−0·29	−0·42	−0·44	**−0·47**	−0·31	−0·06	+0·10	+0·31	+0·28	+0·16	0·00	−0·21	−0·27	−0·27	−0·11	+0·17	+0·30	+0·37	**+0·41**	+0·35	+0·25	+0·17
Nov.	1008·86	+0·01	+0·02	−0·08	−0·16	−0·23	**−0·31**	−0·23	+0·07	+0·24	**+0·30**	+0·29	+0·11	+0·03	−0·02	−0·10	−0·10	−0·04	+0·07	+0·08	+0·10	+0·02	+0·03	−0·05	−0·02
Dec.	1014·20	−0·07	−0·04	−0·09	−0·22	−0·34	**−0·38**	−0·31	−0·10	+0·17	**+0·35**	+0·29	+0·04	−0·12	−0·18	−0·13	−0·02	+0·03	+0·07	+0·14	+0·19	+0·20	+0·23	+0·21	+0·11
Year.	1006·61	+0·10	0·00	−0·14	−0·24	**−0·26**	−0·23	−0·12	+0·06	+0·16	+0·22	+0·21	+0·10	+0·01	−0·11	−0·19	−0·23	−0·20	−0·10	0·00	+0·12	+0·20	**+0·24**	+0·21	+0·17

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

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

83. Aberdeen : $H_b = 26{\cdot}0$ metres. **1927.**

Month.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	011·6	004·0	004·4	986·4	987·1	981·0	013·7	006·4	020·8	019·1	007·7	005·2	006·9	005·2	007·5	006·2	018·8	012·5	998·1	992·1	013·4	002·6	023·9	020·9
2	005·7	997·0	012·4	004·4	991·0	982·7	013·2	006·7	019·3	000·9	007·8	004·2	005·6	002·4	015·6	007·4	021·4	015·5	007·0	981·8	010·2	001·4	022·4	019·8
3	997·0	990·4	007·2	004·0	999·4	983·3	010·5	005·6	003·6	999·3	010·1	007·8	002·4	000·6	022·6	015·6	**021·9**	020·4	023·2	007·0	009·3	999·7	019·8	009·6
4	013·2	994·0	022·0	003·6	997·7	984·4	010·2	988·5	012·2	003·6	009·5	004·5	002·3	998·6	022·9	019·2	021·0	017·7	027·2	023·0	010·6	000·7	010·1	006·2
5	012·9	005·0	022·1	011·5	984·6	980·7	992·7	989·0	012·4	012·2	005·8	003·4	003·4	997·2	019·2	010·9	017·8	014·8	027·9	025·6	007·9	984·1	006·3	994·0
6	005·0	989·9	028·9	016·0	983·9	981·0	996·3	991·6	023·7	021·1	010·3	004·0	010·8	003·4	011·0	004·7	014·9	007·2	025·6	022·9	987·9	**981·9**	006·0	992·9
7	010·4	990·7	032·0	026·6	985·0	983·4	995·5	987·0	024·9	023·7	009·9	008·4	011·3	007·7	004·7	998·5	012·4	007·0	028·2	022·6	997·3	987·6	012·2	005·9
8	010·8	003·7	031·9	029·4	990·5	984·4	996·6	989·1	024·2	020·8	010·7	007·8	013·7	010·1	005·5	998·9	012·0	987·7	**030·8**	028·1	003·9	997·3	012·1	007·4
9	012·9	008·4	**034·0**	031·5	996·6	990·4	004·9	995·9	025·9	022·7	012·9	009·9	011·5	008·7	000·0	995·2	999·5	987·3	030·7	028·7	000·3	991·6	013·3	006·9
10	**019·4**	012·9	031·8	028·1	007·1	996·6	013·6	004·9	**031·4**	025·8	012·5	010·2	014·1	009·1	999·8	998·2	001·6	997·6	028·7	026·5	003·1	993·8	019·7	013·3
11	017·5	005·0	028·1	026·3	020·4	007·1	017·4	004·0	031·2	019·1	014·5	012·3	018·0	014·1	002·0	999·3	012·1	001·6	028·5	027·0	012·1	002·9	019·9	017·1
12	008·1	972·4	027·5	021·0	**026·1**	020·4	**019·7**	015·0	021·8	017·5	016·7	012·8	017·5	016·0	005·2	001·1	013·4	009·8	028·2	022·8	025·1	012·1	017·3	010·7
13	977·6	967·8	021·3	017·5	026·0	022·9	017·5	001·7	021·5	015·1	016·6	012·1	016·8	015·2	007·9	005·0	011·2	008·9	022·8	015·2	023·7	018·8	010·7	004·6
14	979·1	977·0	027·3	019·1	022·9	021·0	002·2	993·0	015·1	001·0	020·3	013·3	020·5	016·6	007·0	000·4	013·5	010·4	018·5	014·9	019·5	013·5	008·7	004·0
15	985·0	976·8	025·5	023·9	022·2	019·3	014·5	995·8	004·4	000·0	**022·0**	018·3	**024·3**	020·2	000·6	999·1	013·3	003·7	017·9	009·6	014·6	010·0	026·2	008·7
16	989·0	984·9	025·3	023·9	021·7	019·3	019·0	014·4	006·4	004·0	018·3	000·9	**024·3**	021·6	002·8	999·7	003·7	989·2	009·8	997·0	013·0	009·9	033·5	026·2
17	001·8	988·7	024·6	018·9	019·5	014·6	017·5	010·5	018·3	006·4	000·9	993·2	021·6	017·3	005·9	002·6	994·7	989·9	000·0	994·0	014·1	011·4	033·5	032·1
18	013·4	001·8	021·3	019·0	015·8	013·5	**019·7**	015·0	018·8	017·1	995·3	991·6	021·0	016·8	006·3	003·7	997·8	988·4	004·6	997·4	011·4	008·6	034·2	031·7
19	015·3	011·4	021·2	007·9	014·4	012·4	016·0	011·3	018·6	015·1	998·9	**990·1**	021·7	020·3	004·0	002·5	997·9	989·5	004·3	993·1	013·2	010·8	031·7	021·1
20	011·4	996·8	007·9	999·4	013·4	010·7	011·3	004·1	015·1	998·9	012·0	998·9	020·3	011·6	003·7	992·0	001·2	995·0	015·4	004·3	014·6	012·7	021·1	008·6
21	996·8	992·7	999·5	990·1	012·4	002·0	011·8	001·0	004·4	**995·7**	009·2	992·8	011·6	001·9	992·0	987·3	998·9	996·3	015·4	009·8	016·6	014·3	008·6	991·4
22	995·7	993·8	990·1	982·4	002·0	994·7	001·5	987·8	020·4	004·4	011·6	005·4	002·0	999·6	991·8	**986·2**	996·6	982·7	009·8	996·7	015·1	010·3	991·4	**973·3**
23	997·0	993·1	984·6	**980·3**	997·1	976·8	002·9	984·2	020·2	012·9	006·5	004·1	004·8	999·8	005·9	991·8	982·7	975·7	003·6	998·4	010·8	989·1	989·9	974·6
24	000·1	991·2	990·9	984·6	982·2	974·9	001·0	988·6	021·0	015·6	008·3	002·1	007·1	004·0	013·2	005·7	977·6	**975·1**	003·2	994·1	005·0	989·9	999·1	989·9
25	000·9	991·4	991·7	990·5	982·2	974·1	993·3	**983·1**	021·2	020·4	008·2	997·9	007·8	006·0	016·8	013·2	985·8	975·9	994·3	988·8	018·3	004·6	007·2	998·9
26	002·2	972·3	991·3	987·2	981·6	**972·2**	008·0	993·3	021·1	018·9	998·4	996·2	007·7	002·4	014·1	002·6	003·7	985·8	994·0	989·1	018·7	014·3	023·7	007·0
27	993·5	988·2	992·4	984·7	995·5	981·6	010·9	003·7	018·9	014·0	000·2	994·8	002·4	994·3	003·1	996·9	014·3	003·7	996·1	974·7	020·8	012·1	038·6	023·7
28	992·5	**967·1**	992·9	983 2	002·6	995·5	013·2	006·7	014·1	009·0	002·7	000·0	997·9	**992·1**	008·9	002·9	012·7	997·0	999·1	973·3	020·6	005·9	**042·1**	038·6
29	979·6	969·3	—	—	001·2	993·0	010·9	006·8	009·1	007·1	005·9	002·3	005·2	997·9	021·3	008·2	997·4	993·5	007·2	**973·0**	**032·2**	013·0	040·4	032·3
30	976·7	971·9	—	—	000·7	987·3	019·1	010·9	007·2	004·4	007·1	005·4	004·6	001·1	**025·8**	021·3	999·3	996·0	005·7	992·8	032·0	023·8	032·3	019·9
31	986·4	972·1	—	—	006·4	000·7	—	—	007·4	003·4	—	—	007·4	001·7	**025·8**	018·8	—	—	010·5	993·1	—	—	021·0	017·2
Mean.	1000 ·60	989 ·73	1013 ·93	1007 ·19	1002 ·88	995 ·55	1009 ·15	999 ·85	1017 54	1011 ·26	1009 ·03	1003 ·66	1011 ·18	1006 ·89	1008 ·80	1003 ·07	1005 ·64	997 ·86	1013 ·43	1003 ·79	1013 ·18	1004 ·29	1018 ·61	1009 ·95

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

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

84. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above the ground) = 12·5 metres. **January, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·0	79·7	80·2	79·8	79·5	80·0	80·7	80·9	81·1	81·5	81·9	82·4	83·3	83·3	83·2	83·3	83·5	83·5	83·7	83·8	83·9	83·2	82·7	83·0	81·9
2	83·2	83·6	82·3	82·3	81·7	82·0	82·6	81·5	82·0	82·5	81·7	82·3	82·8	82·7	82·0	81·6	81·4	81·0	81·5	81·7	81·5	81·0	81·6	81·7	82·0
3	81·6	81·9	81·6	81·5	80·9	80·3	78·6	78·0	78·1	77·6	78·3	79·1	79·1	78·7	77·8	77·2	77·3	76·7	77·2	77·0	76·6	76·2	75·9	75·0	78·6
4	75·0	75·2	75·6	75·1	74·5	73·8	73·6	73·0	72·9	73·1	71·8	72·9	72·5	71·9	71·2	71·7	71·8	71·5	71·8	71·3	71·2	70·7	70·3	70·4	72·7
5	70·4	70·3	70·4	70·7	70·9	71·5	71·3	71·1	71·5	72·5	73·6	74·0	74·8	75·2	75·5	75·8	74·4	74·4	74·1	73·9	74·0	74·3	74·4	75·3	73·0
6	74·9	74·8	74·9	75·4	75·9	77·5	78·0	77·6	77·5	77·0	77·4	77·5	78·0	78·4	77·7	77·6	78·0	77·5	77·5	76·5	77·0	76·8	76·4	76·6	76·9
7	76·1	75·5	74·8	73·8	73·6	73·5	73·0	73·0	73·1	73·0	73·6	75·0	76·0	76·4	76·2	75·9	75·5	74·9	75·0	75·3	75·2	75·5	75·6	75·8	74·8
8	75·3	76·3	76·6	76·7	76·1	76·5	77·9	78·7	78·6	78·5	78·2	79·5	80·5	80·5	80·9	81·4	81·1	80·8	82·2	82·3	82·0	81·4	80·7	80·5	79·2
9	80·3	80·5	80·5	80·0	79·1	79·3	80·4	80·8	79·7	81·7	83·0	83·8	84·0	84·2	83·5	84·3	85·7	86·0	86·3	86·4	86·1	85·6	85·6	85·2	82·9
10	84·3	83·6	83·5	83·5	83·6	84·1	84·1	84·2	84·1	84·1	84·4	84·4	84·5	84·5	84·0	83·5	83·4	82·8	82·4	82·6	82·3	82·6	81·9	81·5	**83·6**
11	81·5	81·3	81·1	81·2	80·4	80·7	81·4	80·3	80·0	80·5	81·5	81·9	81·9	81·9	83·1	82·8	81·2	80·9	80·8	80·7	80·1	79·3	79·4	79·1	81·0
12	78·4	78·4	77·9	77·3	76·8	76·5	76·2	76·0	75·5	76·4	77·2	77·4	77·1	77·8	78·2	78·2	77·7	78·0	78·4	78·7	79·5	79·7	79·7	79·8	77·8
13	79·8	79·4	79·1	78·4	78·5	78·6	78·4	78·2	77·6	77·8	78·6	78·6	78·7	78·8	78·9	78·9	78·8	78·7	78·6	78·4	78·4	78·4	78·0	77·9	78·6
14	78·0	77·6	77·3	77·5	77·0	77·3	77·5	77·3	77·6	77·4	77·4	77·0	76·9	76·6	75·8	75·1	75·1	74·9	74·4	74·0	73·8	73·2	73·1	72·8	76·1
15	72·9	73·0	72·9	72·7	72·5	72·9	72·4	72·3	72·3	72·3	72·3	72·8	73·3	73·4	73·5	73·6	73·3	72·7	73·4	73·4	73·4	74·1	74·4	74·4	73·1
16	74·4	74·4	74·5	74·4	74·5	73·8	73·6	73·9	73·1	73·6	74·2	74·4	75·4	75·1	75·1	75·2	74·4	74·0	73·1	72·4	72·8	72·3	72·2	72·2	73·9
17	71·7	71·4	71·0	70·4	69·9	69·8	69·7	69·4	69·4	70·2	71·5	72·7	72·8	73·4	73·9	73·6	72·6	72·2	71·5	71·2	71·6	71·1	71·2	71·4	**71·4**
18	72·4	73·2	73·9	74·2	74·3	74·4	74·6	74·4	74·6	75·0	75·3	75·6	76·0	76·7	75·8	75·8	75·5	75·3	75·4	75·0	75·3	75·9	75·4	76·0	74·9
19	75·9	75·3	74·9	75·5	74·8	74·4	74·2	74·2	74·3	74·6	75·1	75·7	75·7	76·0	75·7	75·0	74·5	74·1	73·9	73·8	73·4	73·3	73·4	73·1	74·7
20	73·4	73·8	73·8	73·7	73·4	73·1	73·5	73·0	73·5	73·5	73·8	74·4	75·1	75·1	75·2	74·5	74·5	74·1	75·7	75·6	75·3	76·0	75·8	75·6	74·3
21	75·5	75·6	75·5	75·6	75·7	75·6	76·1	76·0	76·2	76·4	76·0	76·0	76·2	76·4	75·9	75·2	74·5	74·4	73·9	74·2	73·9	73·5	72·7	72·8	75·2
22	72·6	72·1	71·7	71·3	71·1	71·9	72·5	72·7	72·4	72·8	74·0	74·8	75·1	75·5	75·1	74·8	74·0	73·9	74·3	73·5	73·1	73·5	73·2	73·4	73·3
23	74·0	74·5	74·8	74·7	75·1	74·9	74·4	74·2	74·2	75·3	75·9	76·4	76·5	76·7	76·3	76·4	76·5	76·6	76·2	76·3	76·5	76·1	75·7	76·0	75·5
24	75·5	75·4	75·7	75·6	75·4	75·7	75·5	76·0	76·4	78·1	78·6	78·9	79·0	79·2	79·3	79·5	79·2	79·2	79·2	79·3	79·4	79·5	79·5	79·6	77·8
25	79·7	79·5	79·5	79·4	79·2	79·3	79·3	79·3	79·3	79·3	80·0	80·6	80·7	81·0	80·9	80·5	79·6	79·4	78·2	77·6	78·1	77·6	77·9	77·4	79·3
26	77·4	78·3	78·3	77·8	78·2	77·6	77·3	77·3	78·8	79·0	79·5	79·7	79·5	79·3	79·9	80·4	80·6	80·7	80·3	78·5	78·3	78·2	78·3	78·2	78·8
29	78·5	77·6	76·8	77·1	76·6	76·7	76·8	76·9	77·5	77·5	77·8	78·4	78·5	77·7	77·5	76·9	75·7	75·8	75·9	75·6	76·4	77·7	77·8	77·9	77·2
28	76·7	77·1	79·2	79·7	80·1	80·2	80·3	80·1	80·2	80·7	81·0	81·4	81·5	81·9	81·5	81·0	79·0	77·5	78·2	77·2	77·2	77·0	76·4	76·9	79·3
29	77·0	76·3	75·8	75·4	75·5	75·4	75·7	75·5	74·7	74·9	76·1	76·5	76·4	77·1	77·6	77·2	76·4	76·4	76·8	76·2	76·4	76·9	76·8	76·6	76·2
30	76·5	76·4	76·6	76·5	76·6	76·5	76·3	76·2	76·2	76·1	76·7	77·6	77·7	78·0	77·8	77·8	77·7	77·6	77·6	77·0	76·6	76·4	76·1	75·9	76·9
31	76·3	76·8	77·0	77·0	76·9	76·5	76·9	76·5	76·8	76·8	78·3	78·6	78·9	78·6	78·8	78·8	77·7	77·1	76·8	77·0	76·1	75·6	76·0	75·9	77·2
Mean ...	76·7	76·7	76·7	76·6	**76·4**	76·5	76·5	76·4	76·4	76·8	77·2	77·8	78·0	**78·1**	78·0	77·9	77·4	77·2	77·2	77·0	76·9	76·9	76·7	76·7	77·0

85. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **February, 1927.**

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

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

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

86. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **March, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·4	79·4	79·4	79·2	79·2	79·2	79·2	79·3	79·5	79·5	79·6	80·0	80·1	80·3	80·5	80·7	80·6	80·5	80·4	80·4	80·0	80·1	80·0	79·8	79·8
2	80·1	80·4	80·4	80·3	80·1	81·0	80·8	80·9	80·7	81·7	82·2	82·9	82·8	83·2	83·3	82·1	80·7	78·8	78·4	78·1	78·2	78·4	78·5	78·1	80·5
3	78·1	78·0	78·2	78·0	78·4	78·5	78·9	78·8	78·9	80·4	81·2	81·6	82·4	82·5	82·2	82·5	81·4	80·4	79·2	78·8	78·4	77·5	77·6	78·0	79·6
4	78·2	78·2	78·5	78·4	78·3	78·8	78·8	79·0	79·4	79·7	80·1	80·3	80·4	80·7	80·7	80·6	80·3	79·7	79·2	79·3	79·4	79·4	79·3	79·2	79·4
5	78·9	78·8	78·5	78·6	78·4	78·5	78·5	78·6	79·5	79·4	79·4	79·4	79·3	79·0	79·0	79·2	79·2	79·1	78·9	78·8	78·4	78·1	76·9	77·0	78·8
6	77·4	77·1	76·6	76·0	75·1	75·2	75·6	76·1	77·2	78·5	80·6	80·7	80·9	80·4	80·6	80·3	79·9	79·4	78·6	78·3	78·2	78·1	77·5	77·0	78·1
7	76·8	76·3	76·0	75·7	75·8	75·8	75·8	75·8	76·7	78·1	79·0	80·2	79·9	80·2	79·8	79·3	78·4	77·7	76·9	76·7	76·6	76·3	75·3	74·7	77·3
8	74·0	73·8	72·8	72·7	72·4	72·4	72·6	73·3	74·0	74·8	75·7	77·0	77·4	77·7	78·3	78·7	78·0	78·4	77·6	76·5	75·9	74·7	74·4	73·7	**75·3**
9	74·5	74·9	74·4	74·5	74·5	74·9	74·5	75·1	75·3	75·6	76·4	76·9	77·3	77·4	77·3	77·0	77·2	77·0	76·5	76·4	76·5	76·1	75·4	74·7	75·8
10	74·4	74·3	74·1	74·2	74·4	74·1	74·1	74·7	75·6	76·3	77·0	79·0	78·6	79·4	79·6	79·4	78·9	77·6	76·4	76·0	75·4	75·8	75·5	75·4	76·2
11	75·4	75·1	75·0	75·0	75·5	75·7	76·0	76·5	77·6	77·9	78·4	79·4	78·6	78·5	78·4	78·9	77·2	77·4	76·1	75·8	75·3	74·6	75·4	75·7	76·6
12	75·5	75·2	75·1	74·7	74·4	74·4	74·2	74·9	76·1	77·8	78·8	79·1	79·3	79·2	79·0	78·8	78·4	77·6	77·4	77·2	75·8	74·5	74·2	74·0	76·5
13	73·4	73·2	72·6	72·4	72·8	73·2	73·1	73·4	74·0	75·8	77·6	78·4	78·6	78·5	78·5	78·1	77·6	77·4	77·3	77·6	77·5	76·7	76·4	76·5	75·8
14	76·5	75·5	74·7	74·5	74·8	75·3	74·9	75·4	76·3	78·2	78·7	79·3	79·3	79·2	78·3	78·6	78·6	77·8	77·3	76·8	76·4	77·4	77·5	77·4	77·0
15	77·6	77·5	77·5	77·2	77·6	77·1	77·2	77·4	77·5	77·5	77·5	77·7	78·0	78·4	78·0	78·1	77·9	77·9	78·2	78·4	78·6	78·8	78·6	78·6	77·8
16	78·6	78·7	78·9	79·1	79·0	78·9	79·1	79·8	80·5	81·5	82·2	82·0	83·0	82·9	81·6	81·1	81·1	80·5	80·1	80·0	79·7	79·2	78·5	78·4	80·2
17	78·5	78·2	78·1	77·8	77·7	77·6	78·1	78·7	79·4	79·9	80·3	80·5	80·7	80·7	81·0	80·6	80·0	79·6	79·0	79·0	78·8	78·4	77·9	77·5	79·1
18	77·4	77·0	76·3	75·9	75·0	74·0	74·6	76·4	78·9	81·2	83·4	85·0	84·9	85·0	85·3	84·8	83·8	83·7	83·1	83·0	83·1	82·7	82·5	82·7	80·7
19	83·0	83·2	83·4	83·3	83·4	83·6	83·6	83·8	84·5	85·7	86·7	87·4	87·2	88·0	87·4	86·9	86·2	85·9	85·4	85·1	85·0	84·8	84·4	84·3	**85·1**
20	84·2	84·3	83·5	83·5	83·4	83·0	83·2	83·7	84·4	84·9	82·9	83·8	84·5	86·0	86·4	85·4	84·7	84·2	83·7	83·5	83·4	83·0	83·1	82·6	84·0
21	82·2	82·4	82·7	82·0	81·6	81·4	81·8	82·5	83·5	84·5	84·4	84·2	84·1	85·0	82·3	81·9	81·3	81·8	82·4	82·8	81·3	81·0	83·0	82·9	82·6
22	82·4	81·7	82·5	82·1	82·2	82·4	82·5	81·8	82·5	83·3	83·2	84·1	83·6	83·7	85·1	85·0	84·0	83·2	81·8	82·0	80·5	80·6	79·9	79·6	82·6
23	79·5	79·4	79·3	79·1	79·1	79·8	79·9	79·7	79·7	80·1	81·4	82·3	82·7	82·5	81·8	80·7	80·2	79·9	80·1	80·4	80·4	80·3	80·1	79·9	80·3
24	79·7	79·4	79·1	78·7	78·2	78·0	77·9	78·8	79·5	80·7	81·1	80·7	81·0	80·4	79·9	79·8	79·6	79·4	78·4	78·6	78·5	78·1	78·2	78·5	79·3
25	78·2	78·1	78·0	78·5	78·9	79·3	79·4	79·5	79·5	79·5	79·5	79·6	79·4	79·8	79·8	80·0	79·8	79·5	79·4	79·1	78·9	78·8	78·7	78·9	79·2
26	78·9	79·0	78·7	78·9	78·9	78·5	78·9	78·8	79·3	78·5	78·0	78·0	78·8	78·9	79·2	79·4	79·7	79·4	78·9	78·6	78·1	78·1	77·9	77·2	78·7
27	7[illegible]·1	76·8	76·6	76·4	75·7	76·4	76·2	77·5	79·0	79·4	79·7	80·9	81·4	80·7	80·8	80·9	80·8	80·4	79·8	79·5	79·0	78·0	77·2	77·4	78·6
28	77·6	77·7	77·5	77·7	77·7	77·5	77·1	78·1	79·4	80·2	81·5	81·8	81·2	81·4	81·1	81·4	81·1	80·5	80·0	79·7	79·5	79·3	79·2	79·0	79·4
29	78·8	78·7	78·7	78·7	78·5	78·2	78·4	79·1	79·0	79·2	79·5	79·7	80·0	80·2	79·9	79·6	79·5	79·0	79·3	79·1	79·3	79·5	79·5	79·6	79·2
30	79·7	79·6	79·4	79·5	79·5	79·4	79·5	79·6	79·9	80·1	80·1	81·2	82·2	82·3	81·9	81·9	81·4	81·1	80·0	79·3	78·8	79·1	78·8	78·1	80·1
31	77·8	77·3	76·6	76·5	76·0	75·6	76·2	77·6	78·8	80·0	80·6	81·5	80·9	80·6	80·2	79·0	79·3	78·3	77·0	76·3	75·5	75·5	75·4	75·5	77·9
Mean ...	78·2	78·0	77·8	77·7	**77·6**	77·7	77·8	78·2	78·9	79·7	80·2	80·8	80·9	**81·1**	80·9	80·7	80·2	79·8	79·3	79·1	78·7	78·5	78·3	78·1	79·1

87. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1927.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	75·1	74·9	74·5	74·5	74·6	74·6	75·2	76·6	78·0	79·4	79·9	80·4	81·0	80·6	80·3	80·2	79·8	79·2	78·6	77·0	76·6	76·1	75·3	74·7	77·4
2	74·6	74·0	73·6	73·3	73·6	73·5	74·4	75·4	77·3	78·2	78·6	80·5	80·4	80·2	79·4	79·1	78·5	77·8	77·5	77·1	76·6	76·5	76·3	76·2	76·7
3	76·2	76·0	75·6	74·6	74·1	73·7	74·1	75·0	76·8	78·4	79·3	79·6	80·0	80·2	79·9	79·4	78·8	78·5	77·8	77·4	76·5	76·0	75·4	74·6	77·0
4	74·8	74·7	74·2	74·4	75·6	75·9	76·8	78·0	79·2	79·7	80·1	80·2	80·7	**80**·8	80·5	80·0	79·9	79·7	79·7	79·5	79·5	79·8	80·1	80·4	78·4
5	79·8	79·0	78·3	77·8	78·0	78·4	78·9	79·5	79·5	80·2	81·8	83·2	83·5	83·0	83·7	83·5	83·4	83·3	82·4	81·2	80·2	79·4	78·5	77·3	80·6
6	77·7	77·4	76·6	77·1	77·0	75·8	78·0	79·1	80·9	82·0	82·7	83·3	83·6	84·0	82·4	81·7	82·1	80·9	79·8	79·9	79·8	79·9	79·5	78·7	80·0
7	77·6	77·5	77·9	78·5	78·0	78·1	78·6	79·9	80·5	80·9	80 4	81·0	81·2	82·3	81·7	80·6	81·0	79·7	79·2	78·2	77·1	76·8	76·0	75·9	79·2
8	75·8	75·4	75·3	74·9	74·9	75·1	76·6	77·1	78·0	79·1	78·5	78·7	79·5	79·2	78·2	78·4	79·4	78·6	77·5	76·8	76·1	75·6	75·9	75·7	77·1
9	75·7	75·8	76·2	75·7	75·0	76·0	76·9	77·5	77·9	79·2	79·8	80·4	80·2	80·4	80·2	79·7	79·8	78·7	78·1	77·5	77·8	78·3	78·4	78·0	
10	78·5	78·5	77·7	77·4	77·4	77·5	77 6	79·0	79·3	79·1	78·6	80·4	80·0	80·0	79·6	79·7	80·3	79·7	78·4	76·8	76·4	76·0	76·3	76·1	78·4
11	76·3	76·4	77·0	76·3	76·9	77 6	79·1	79·5	80·3	78·8	80·0	79·6	79·2	79·4	78·4	78·5	78·4	77·8	77·6	77·2	76·7	76·5	76·6	76·4	77·9
12	76·6	76·4	76·3	76·1	76·6	76·6	77·7	78·3	79·7	80·2	80·9	81·9	81·9	82·4	82·6	83·0	85·2	83·8	82·1	81·5	80·5	80·7	80·2	80·0	80·0
13	80·1	80·2	80·5	81·5	80·6	80·0	79·9	80·[illegible]	81·7	83·2	84·4	85·6	87·4	87·6	86·5	86·6	86·3	85·9	85·2	84·6	84·1	83·7	83·3	81·2	83·3
14	81·0	80·9	80·6	79·6	79·1	80·2	81·0	82·1	83·1	83·7	84·4	84·2	85·3	84·0	82·9	84·2	80·5	81·9	80·8	79·3	79·6	78·5	78·0	78·5	81·4
15	78·7	79·3	78·8	79·0	78·6	78·7	79·0	79 9	80·4	79·9	80·9	81·7	80·3	82·6	82·2	81·2	80·9	81·2	80·1	79·5	79·4	79·1	78·6	78·4	79·9
16	78·4	78·1	78·4	77·9	77·6	77·5	77·8	78·6	78·9	79·2	80·6	81·4	81·4	81·4	81·6	81·7	81·2	80·9	80·3	80·0	79·8	79·4	79·5	79·4	79·6
17	79·8	79·9	80·5	80·6	81·5	82 0	83·6	84·9	87·5	88·3	89·3	88·8	90·1	89·9	88·5	84·2	83·2	83·5	83·6	82·9	82·1	81·5	81·5	80·8	84·1
18	81·0	80·7	80·4	80·2	80·2	80·6	81·1	81·8	82·6	83·1	84·1	85·4	85·2	85·0	84·4	82·8	83·1	82·9	82·3	82·7	84·4	84·3	83·5	83·5	82·7
19	83·4	83·1	83 6	83·5	82·8	83·2	83·6	84·2	85·4	85·6	86·0	86·2	87·5	87·7	88·7	88·5	87·7	86·6	85·6	84·7	84·6	84·0	83·6	83·2	85·1
20	83·7	83·9	83·8	83·8	82·8	82·8	83·5	84·4	85·6	86·9	86·5	87·0	87·4	87·8	87·9	88·1	88·0	87·2	86·5	85·8	85·4	85·0	85·0	84·5	**85·5**
21	84·4	83·8	82·3	81·9	81·5	81·1	79·8	80·6	81·5	82·4	82·4	83·0	82·2	82·4	81·6	81·2	80·8	80·7	81·4	81·6	82·2	82·8	84·3	84·6	82·1
22	84·1	83·9	83·8	83·5	83·1	83·9	84·6	85·4	86·8	88·0	87·5	87·4	87·4	87·0	86·9	86·3	85·5	84·2	83·4	82·3	80·5	78·9	78·9	78·5	84·4
23	78·8	79·4	78·6	78·8	77·6	77·5	77·8	77·5	78·8	79·4	80·0	80·0	77·0	78·6	79·0	79·3	77·6	76·5	76·3	76·0	75·6	75·3	75·3	77·9	
24	75·0	74·8	74·8	74·4	74·4	74·3	74·3	74·9	76·1	77·3	77·9	79·5	80·4	79·6	79·5	79·2	77·5	77·8	78·4	78·0	77·1	76·7	76·5	76·2	76·8
25	75·9	75·8	75·5	75·1	75·3	76·0	76·9	76·7	77·0	77·5	77·8	78·6	78·8	78·4	77·3	78·5	75·7	76·5	76·4	74·9	74·9	74·1	73·8	73·9	76·3
26	74·4	74·4	74·1	74·1	74·2	74·3	74·9	75·5	76·8	75·4	77·9	78·5	78·0	78·5	75·3	77·5	75·6	75·1	74·5	73·5	73·5	73·1	72·9	72·4	75·2
27	72·7	72·0	72·3	72·7	73·4	73·8	74·7	76·0	76·4	75·8	76·4	75·7	74·6	76·1	76·3	76·2	74·2	74·8	73·8	73·0	72·5	72·1	71·9	71·7	**74·1**
28	71·9	71·6	71·4	71·2	71·0	72·6	74·0	74·4	75·7	77·4	78·6	80·0	81·1	81·5	81·5	81·6	80·9	75·3	74·0	73·5	73·1	72·7	72·7	72·3	75·4
29	71·8	71·5	71·4	71·4	71·5	72·6	73·0	74·0	74·7	75·4	76·2	76·7	78·0	77·9	77·9	78·1	77·5	74·6	74·1	73·2	73·5	73·6	73·8	74·0	74·4
30	73·7	74·0	73·7	73·7	74·1	74·6	75·5	76·2	77·1	78·5	79·1	77·2	76·5	77·4	78·4	78·2	76·7	76·3	76·7	76·2	75·1	74·6	74·3	73·8	75·9
Mean ...	77·6	77·4	77·3	77·1	**77·0**	77·3	78·0	78·7	79·8	80·4	81·0	81·5	81·7	**81·9**	81·4	81·2	80·7	80·0	79·4	78·7	78·4	78·1	77·9	77·6	79·2
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

88. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **May, 1927.**

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

89. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1927.**

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

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

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

90. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **July, 1927.**

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

91. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **August, 1927.**

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

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

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

92. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **September, 1927.**

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

93. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1927.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	81·1	81·1	81·6	81·9	81·8	81·8	82·1	82·4	83·1	83·6	83·7	84·2	84·1	83·7	83·6	83·7	83·6	82·5	81·6	80·9	80·5	80·1	80·5	80·1	82·3
2	79·9	79·9	79·8	79·7	79·9	79·5	79·1	79·1	79·4	79·5	79·3	78·6	78·6	78·5	77·5	78·4	79·2	79·8	80·0	79·9	79·5	79·0	78·9	78·7	79·3
3	78·4	78·0	78·2	77·8	77·6	77·0	77·6	78·5	80·1	81·4	82·3	83·0	83·9	83·9	84·0	83·2	82·6	81·6	81·1	79·9	78·9	78·8	79·6	79·8	80·3
4	79·4	79·2	79·4	79·2	78·9	79·1	79·5	80·1	81·0	81·3	81·8	82·6	82·5	83·2	83·2	82·6	81·7	80·6	79·7	77·9	76·8	76·2	75·6	76·2	80·0
5	75·6	75·1	74·6	74·3	73·9	73·6	74·2	74·6	77·0	80·5	82·5	83·6	84·7	85·1	84·7	83·9	83·4	83·4	83·2	83·1	83·0	83·6	83·1	83·2	80·0
6	83·2	83·3	83·6	83·8	84·2	84·4	84·4	85·2	86·6	87·2	88·1	89·4	90·2	91·0	90·7	90·0	88·9	87·2	86·7	86·2	85·9	84·6	83·5	83·3	**86·3**
7	83·1	82·7	81·8	81·2	80·8	80·1	79·6	81·6	83·6	86·3	87·6	88·4	87·4	87·2	87·0	86·7	86·0	84·9	84·4	83·9	83·2	82·7	82·0	81·2	83·9
8	80·8	80·3	79·8	78·4	78·6	78·6	77·5	79·4	82·9	85·8	86·4	86·6	86·2	86·2	86·2	85·6	85·0	84·6	84·2	84·1	83·9	83·9	83·9	83·7	83·0
9	83·5	83·3	83·4	83·5	83·6	83·5	83·4	83·4	83·7	84·1	84·6	84·8	84·8	85·0	84·9	84·8	84·5	84·3	83·9	83·8	83·8	83·9	83·8	83·8	84·0
10	83·7	83·6	83·6	83·6	83·6	83·5	83·5	83·7	84·1	84·8	85·3	85·5	85·7	85·8	86·1	85·1	84·3	83·9	83·3	83·2	83·0	82·6	81·5	81·4	84·0
11	81·5	81·5	81·8	81·9	81·9	81·9	82·0	82·4	82·8	83·5	84·0	84·4	84·6	84·5	84·4	84·3	84·0	83·9	83·7	83·7	83·6	83·5	83·5	83·2	83·1
12	82·9	82·6	82·4	81·9	81·2	80·6	79·8	80·2	81·4	81·8	82·4	83·5	84·2	84·0	84·1	83·8	84·0	83·7	83·8	83·8	83·6	83·6	82·9	83·4	82·7
13	83·4	83·4	83·0	83·0	83·1	83·3	83·8	85·1	85·1	85·9	85·9	85·1	85·1	84·8	84·2	83·7	83·4	83·4	83·4	83·0	82·5	82·2	81·9	81·7	83·8
14	81·7	81·8	82·0	81·6	82·3	82·4	82·5	82·5	82·6	82·9	82·5	83·0	83·0	83·1	82·7	82·7	82·5	82·0	81·6	81·4	81·5	81·2	81·2	81·1	82·2
15	81·1	81·4	81·4	81·5	81·7	81·5	81·5	81·8	82·8	83·3	84·0	84·2	84·5	84·1	84·3	84·2	82·1	81·6	81·6	81·5	81·1	80·8	80·2	79·7	82·2
16	79·8	80·2	79·7	80·6	79·6	80·0	80·3	80·7	82·3	82·6	83·8	83·8	83·7	83·3	82·7	82·5	82·4	82·5	83·0	83·8	84·1	84·2	84·0	83·9	82·1
17	83·7	83·6	83·4	83·6	83·4	83·0	82·4	83·2	83·5	83·7	83·4	83·8	83·3	83·1	83·4	83·0	81·8	81·1	80·8	81·0	81·0	80·4	80·0	79·0	82·5
18	78·7	78·5	78·4	78·2	78·1	77·6	77·6	77·5	78·7	79·9	79·6	80·9	81·5	81·7	81·5	82·1	81·2	80·5	80·2	79·4	79·2	78·4	78·7	79·0	79·5
19	79·6	79·7	79·6	79·8	79·6	79·5	78·7	78·6	79·9	79·8	79·7	80·2	79·7	79·4	79·3	77·7	76·7	76·6	76·2	76·7	76·3	76·2	75·7	78·6
20	76·0	76·3	76·0	75·3	75·9	75·5	75·5	76·1	77·7	79·0	79·8	79·7	79·7	80·8	80·1	79·1	78·2	76·8	76·4	76·4	75·7	75·2	75·3	74·4	77·1
21	74·2	74·5	74·1	73·1	73·2	73·5	73·0	73·6	75·4	77·3	78·4	79·0	79·4	79·7	79·5	78·7	78·0	76·2	73·9	73·7	73·1	73·0	74·1	79·2	**75·6**
22	79·6	79·3	79·4	79·3	79·3	79·1	79·0	78·8	78·7	78·8	78·7	79·0	79·1	79·7	80·0	80·2	80·1	80·5	80·5	80·7	81·1	81·3	81·4	81·0	79·7
23	80·9	80·9	80·8	80·6	80·6	80·5	81·1	81·3	81·0	81·4	81·2	81·4	81·5	81·8	81·5	81·6	81·6	81·1	80·8	80·5	80·5	80·9	81·1	80·7	81·1
24	81·1	80·9	81·0	80·6	80·5	80·4	80·2	79·9	80·5	80·7	81·3	81·4	81·3	80·9	81·1	80·9	80·6	80·5	80·6	81·1	81·9	82·2	82·1	82·3	81·0
25	82·5	82·6	84·5	84·5	85·7	85·3	85·0	85·0	85·7	87·0	87·5	88·2	87·9	87·5	89·2	89·0	88·1	86·5	85·2	84·6	84·5	85·0	84·9	84·5	85·8
26	84·6	84·8	84·9	85·0	85·4	83·8	83·7	83·2	83·5	84·1	84·4	84·4	84·5	85·4	86·4	86·4	85·4	84·2	83·5	82·9	82·7	82·4	82·3	82·2	84·2
27	82·5	83·2	83·6	84·1	84·1	84·5	85·5	85·9	87·1	86·8	86·2	86·8	86·7	86·1	85·9	85·1	84·0	82·6	82·4	82·2	81·6	82·6	81·6	81·1	84·3
28	80·8	80·6	80·6	81·0	80·4	80·8	80·2	80·5	81·1	81·7	81·9	82·5	82·4	82·9	82·8	82·5	82·8	83·5	83·9	84·6	85·0	84·8	84·1	83·5	82·2
29	83·5	82·9	83·4	84·1	85·2	85·8	84·9	83·4	83·0	83·1	83·5	84·8	85·4	84·6	85·2	84·4	83·1	83·4	83·1	83·2	82·9	82·6	82·5	82·4	83·8
30	82·1	82·5	82·9	82·9	83·1	83·2	83·0	83·6	84·0	84·6	85·1	85·1	84·8	84·8	84·9	85·4	85·6	85·5	86·1	86·2	86·3	86·1	86·0	86·0	84·5
31	85·7	85·6	85·3	85·0	84·6	84·4	83·9	83·3	83·3	83·5	84·0	84·7	85·1	84·9	84·6	84·0	83·0	83·2	82·7	82·5	82·5	81·6	80·7	80·3	83·8
Mean ...	81·1	81·1	81·1	81·0	81·0	80·9	**80·8**	81·1	81·9	82·8	83·2	83·6	83·7	**83·8**	83·7	83·4	82·9	82·3	82·0	81·8	81·6	81·4	81·2	81·2	82·0
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

94. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **November, 1927.**

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

95. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1927.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	77·0	75·5	75·5	75·7	75·7	75·6	75·7	76·2	76·7	76·4	77·0	77·6	77·7	77·7	77·8	77·7	77·7	77·4	77·5	78·0	77·8	77·8	78·0	78·1	77·0
2	78·1	78·4	78·4	78·3	78·2	77·9	77·9	77·8	77·8	77·5	77·4	77·6	78·2	77·8	77·4	76·6	76·2	76·1	75·9	76·5	77·0	76·8	76·0	76·2	77·4
3	76·5	76·9	76·8	76·8	76·8	76·7	76·6	76·7	76·9	77·2	77·5	77·6	77·7	77·7	77·6	77·5	77·4	78 0	78·7	78·3	78·0	78·0	78·0	78·0	77·4
4	77·5	77·6	77·8	77·7	77·6	77·9	77·4	77·0	77·0	77·1	77·5	77·6	77·3	76·6	76·4	76·2	76·2	76·4	76·8	77·1	77·9	77·9	77·0	76·5	77·2
5	76·5	77·2	77·5	77·5	77·4	76·9	76·9	77·5	78·0	78·4	78·2	78·5	79·0	79·7	80·0	80·0	80·2	80·3	80·5	80·4	80·4	80·5	80·6	80·7	78·8
6	80·8	81·0	81·2	81·2	81·2	81·3	81·5	81·5	81·5	81·4	81·4	81·5	81·6	81·6	81·9	81·9	81·9	81·9	81·8	81·6	81·6	81·5	81·5	81·6	**81·5**
7	81·6	81·6	81·6	81·4	81·3	81·4	80·8	80·7	80·6	80·4	80·1	80·2	80·1	80·1	80·2	80·2	80·1	80·2	80·3	80·3	80·3	80·2	80·1	80·0	80·6
8	79·8	79·6	79·5	79·5	79·5	79·5	79·4	79·5	79·5	79·4	79·7	79·6	79·5	79·3	79·1	79·2	79·3	79·4	79·6	79·4	79·3	79·2	79·2	79·3	79·4
9	79·3	79·1	79·2	79·2	79·3	79·4	79·6	79·7	79·6	79·5	79·5	79·7	79 7	79·7	80·0	79·9	79·9	80·0	80·0	80·0	79·6	79·2	79·0	78·9	79·5
10	79·4	79·1	79·0	79·4	79·6	79·7	79·8	79·9	79·8	79·9	79·8	79·8	79·7	79·8	79·6	79·8	79·9	79·8	79·7	79·6	79·5	79·1	79·1	79·0	79·6
11	79·3	78·9	78·3	78·8	78·7	78·9	78·6	78·4	78·0	78·3	77·7	77·8	78·0	78·2	78·4	78·1	78·4	77·9	77·8	77·9	77·8	77·6	77·7	77·5	78·2
12	77·4	77·1	77·2	77·0	77·1	76·8	76·9	77·1	77·2	76·9	77·0	77·2	77·2	77·0	77·0	76·6	76·3	76·3	76·2	76·0	76·0	75·9	75·8	75·8	76·7
13	75·8	74·9	74·2	74·5	75·2	74·9	74·6	74·6	74·7	74·8	75·2	75·8	75·9	75·4	75·5	75·5	75·1	74·4	74·1	73·7	74·0	73·8	73·6	73·5	74·8
14	73·6	73·4	72·9	72·5	72·1	71·9	72·2	72·8	72·2	71·9	72·8	73·7	74·0	74·4	73·7	73·1	73·6	73·2	73·1	73·0	73·9	73·8	75·8	76·4	73·3
15	76·4	74·6	74·9	76·0	75·9	76·5	76·8	76·7	76·1	76·2	76·3	76·1	75·9	75·4	75·7	75·9	75·4	75·0	74·7	73·7	73·5	74·3	73·8	74·1	75·5
16	74·6	75·4	75·4	75·1	75·0	75·2	74·9	75·0	74·9	75·1	75·1	74·8	74·6	74·2	74·0	74·0	73·8	73·9	73·8	73·7	73·7	73·2	71·8	70·5	74·3
17	69·2	68·4	67·3	67·0	67·2	66·8	66·5	66·4	66·5	66·5	67·5	68·9	69·2	69·5	69·3	68·4	67·8	67·7	67·6	66·9	66·8	66·5	66·5	66·5	67·6
18	66·4	66·1	65·4	65·1	65·1	64·9	65·0	65·2	65·2	66·0	67·4	68·1	68·5	69·8	69·2	69·0	69·6	68·9	68·6	68·0	67·8	69·3	69·2	74·4	**67·4**
19	73·6	73·7	73·7	74·0	74·0	74·2	74·4	74·4	74·3	74·3	74·6	74·3	74·5	74·6	74·9	74·2	74·2	74·7	74·9	74·3	75·1	75·3	74·5	74·2	74·4
20	74·4	73·4	73·0	73·7	72·5	73·4	73·1	73·5	74·2	73·9	74·0	75·2	75·2	75·0	75·0	75·0	75·1	74·9	74·8	74·7	74·9	74·9	75 1	75·2	74·3
21	75·5	75·6	75·7	75·8	75·9	75·9	75·9	75·8	75·9	75·9	75·9	76·0	76·1	76·3	76·5	76·7	76·6	76·5	76·5	76·6	76·6	76·8	76·8	76·9	76·2
22	77·0	77·2	77·5	77·9	78·0	78·3	78·4	78·6	79·0	79·0	79·1	79·1	78·9	78·8	78·4	78·0	77·0	76·7	76·3	76·1	76·4	76·2	76·1	75·9	77·7
23	76·0	75·9	75·9	75·7	75·8	76·2	76·3	76·6	76·3	76·6	76·9	76·9	76·8	77 0	77·0	76·9	77·0	76·5	76·3	76·0	76·1	75·6	76·1	75·9	76·3
24	75·7	75·6	75·6	75·5	75·4	75·5	77·5	76·9	77·4	76·9	75·9	77·3	76·4	75·9	75·1	75·1	74·8	74·9	75·0	75·1	74·0	74·1	74·3	73·6	75·6
25	74·0	73·6	74·5	75·3	76·1	74·5	76·0	75·9	74·9	74·7	75·6	73·8	75·1	75·3	75·1	73·4	73·2	73·0	72·6	72·9	72·3	72·3	72·0	72·0	74·1
26	72·3	71·4	72·2	72·3	72·4	72·1	72·1	72·6	72·6	72·7	73·4	73·9	73·6	73·9	73·7	73·7	73·5	73·8	73·8	73·8	73·9	74·2	75·0	74·2	73·2
27	73·9	73·6	73·7	73·4	73·0	72·7	72·9	73·5	73·2	72·7	73·8	73·7	74·5	74·3	73·7	72·8	72·1	72·1	71·5	70·4	69·8	69·9	69·5	70·5	72·6
28	70·3	69·5	69·5	69·9	69·4	68·7	68·3	67·7	67·5	68·1	68·2	68·5	69·2	69·5	69·4	69·5	69·5	69·9	69·5	70·0	70·3	70·5	70·8	70·9	69·3
29	71·0	71·5	71·7	71·9	72·2	72·4	72·4	75·3	76·1	76·0	76·0	76·3	76·2	75·7	76·4	76·4	76·3	76·4	76·4	76·5	76·6	76·8	76·8	76·6	74·9
30	76·5	76·5	76·4	76·6	76·5	76·5	76·6	76·7	77·9	77·2	77·3	77·4	77·3	77·4	77·5	77·7	77·6	77·5	77·7	77·8	77·7	77·6	77·6	77·6	77·2
31	77·6	77·7	77·7	77·7	77·8	77·9	78·0	78·0	77·5	77·9	77·7	77·6	77·4	77·1	76·9	76·7	77·0	77·1	75·9	75·2	74·8	74·2	73·6	73·2	76·9
Mean ...	75·7	75·5	**75·5**	75·6	75·5	75·5	75·6	75·7	75·7	75·8	76·0	76·2	**76·3**	76·3	76·2	76·0	75·9	75·8	75·7	75·6	75·6	75·6	75·5	75·6	75·8
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

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

96. Aberdeen : North Wall Screen on Tower: h_t =12·5 metres. **1927.**

Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
79·83	79·68	79·58	**79·50**	79·54	79·72	80·07	80·47	80·95	81·41	81·83	82·15	82·37	**82·41**	82·28	82·12	81·80	81·47	81·15	80·77	80·50	80·28	80·10	79·94	80·83

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

97. Aberdeen : North Wall Screen on Tower: h_t = 12·5 metres. **1927.**

Month.	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	277·03	−0·36	−0·33	−0·37	−0·47	**−0·67**	−0·59	−0·51	−0·65	−0·61	−0·28	+0·22	+0·72	+0·98	**+1·11**	+0·97	+0·84	+0·43	+0·17	+0·24	−0·02	−0·04	−0·13	−0·27	−0·27
Feb.	277·73	−0·34	−0·57	−0·75	−0·94	−1·03	−1·13	**−1·17**	−1·16	−0·79	−0·02	+0·58	+1·14	**+1·47**	+1·46	+1·35	+1·00	+0·68	+0·43	+0·27	+0·03	+0·10	−0·14	−0·12	−0·25
Mar.	279·09	−0·95	−1·10	−1·30	−1·42	**−1·49**	−1·45	−1·36	−0·90	−0·19	+0·57	+1·12	+1·70	+1·84	**+1·97**	+1·80	+1·60	+1·18	+0·72	+0·19	+0·02	−0·32	−0·56	−0·76	−0·90
April	279·17	−1·62	−1·76	−1·93	−2·07	**−2·16**	−1·90	−1·22	−0·43	+0·60	+1·23	+1·85	+2·37	+2·49	**+2·70**	+2·28	+2·08	+1·49	+0·83	+0·26	−0·40	−0·77	−1·08	−1·28	−1·59
May	280·55	−1·33	−1·54	−1·83	**−1·95**	−1·65	−1·03	−0·39	−0·01	+0·43	+0·76	+1·04	+1·13	+1·33	**+1·57**	+1·45	+1·34	+1·36	+1·08	+0·79	+0·28	−0·25	−0·53	−0·94	−1·19
June	282·87	−1·74	−1·98	**−2·15**	−2·11	−1·60	−0·99	−0·16	+0·17	+0·69	+0·92	+1·32	+1·38	**+1·73**	+1·71	+1·70	+1·69	+1·25	+1·01	+0·80	+0·23	−0·33	−0·80	−1·21	−1·54
July	286·59	−1·42	−1·57	**−1·58**	**−1·58**	−1·38	−1·03	−0·51	+0·04	+0·41	+0·84	+1·28	+1·39	**+1·55**	+1·54	+1·38	+1·40	+1·29	+0·98	+0·62	+0·01	−0·49	−0·85	−1·01	−1·23
Aug.	**286·89**	−1·67	−1·97	−2·02	**−2·21**	−2·19	−1·67	−0·77	+0·02	+0·68	+1·12	+1·44	+1·67	+2·06	**+2·14**	+2·06	+1·76	+1·57	+1·21	+0·60	−0·09	−0·43	−0·89	−1·15	−1·37
Sept.	283·44	−1·20	−1·35	−1·53	−1·64	−1·67	**−1·68**	−1·15	−0·29	+0·45	+0·89	+1·24	+1·50	**+1·83**	+1·71	+1·69	+1·62	+1·18	+0·81	+0·27	−0·10	−0·37	−0·57	−0·69	−1·05
Oct.	282·03	−0·94	−0·99	−0·95	−1·05	−1·02	−1·15	**−1·25**	−0·92	−0·09	+0·73	+1·16	+1·59	+1·71	**+1·75**	+1·72	+1·43	+0·84	+0·31	−0·01	−0·23	−0·41	−0·59	−0·80	−0·85
Nov.	278·55	−0·34	−0·40	−0·35	−0·39	−0·40	−0·42	**−0·52**	−0·30	−0·18	+0·16	+0·54	+0·81	**+0·99**	+0·72	+0·59	+0·48	+0·21	+0·01	−0·16	−0·25	−0·25	−0·28	−0·18	−0·21
Dec.	**275·77**	−0·13	−0·35	**−0·37**	−0·26	−0·26	−0·31	−0·22	−0·05	−0·04	−0·01	+0·20	+0·43	**+0·53**	+0·52	+0·46	+0·25	+0·15	+0·10	+0·01	−0·12	−0·12	−0·13	−0·19	−0·09
Year	280·83	−1·00	−1·16	−1·26	**−1·34**	−1·29	−1·11	−0·77	−0·37	+0·11	+0·58	+1·00	+1·32	+1·54	**+1·57**	+1·45	+1·29	+0·97	+0·64	+0·32	−0·05	−0·31	−0·55	−0·72	−0·88

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

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

98. Aberdeen : North Wall Screen on Tower: h_t = 12·5 metres. **1927.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·2	78·1	79·9	74·3	80·8	79·1	81·2	74·4	81·1	**72·5**	82·5	79·6	86·0	82·8	91·0	84·7	**91·2**	85·0	84·5	79·9	83·8	79·5	78·2	75·2
2	83·8	80·9	77·4	73·0	83·7	77·9	80·6	73·2	80·9	77·4	87·8	81·1	85·5	**82·3**	93·4	83·2	90·2	81·4	80·3	77·4	**89·2**	83·0	78·5	75·8
3	82·0	75·0	83·0	74·5	82·6	77·8	80·4	73·6	85·3	79·3	87·6	79·6	91·0	82·7	**95·1**	87·7	89·6	83·4	84·3	76·9	**89·2**	83·8	79·0	76·1
4	75·6	70·0	82·3	76·9	80·9	77·9	81·2	73·5	83·2	79·5	85·9	79·1	87·0	83·8	92·0	85·5	89·2	84·9	83·4	75·4	85·4	77·4	78·0	76·1
5	75·8	69·7	78·9	74·5	79·5	76·6	84·2	77·3	80·5	78·8	86·0	79·1	89·0	84·2	90·3	86·0	88·8	86·4	85·1	73·4	81·5	75·4	80·7	76·4
6	78·5	74·5	81·6	76·4	81·3	74·8	84·1	75·7	80·9	78·4	86·3	81·1	90·0	83·3	87·9	86·4	87·9	86·7	**91·2**	82·9	79·8	73·6	**82·0**	80·7
7	76·6	72·4	80·1	78·0	80·2	74·4	82·5	75·8	82·4	79·1	82·9	80·4	88·0	83·4	88·1	86·7	87·8	82·3	88·6	79·4	77·2	72·7	81·7	80·0
8	83·0	75·2	79·0	74·7	78·8	**72·3**	80·1	74·8	85·0	78·5	84·1	78·3	87·3	84·3	90·8	86·3	89·1	81·7	86·9	77·4	75·0	72·6	80·0	79·1
9	**86·6**	79·0	76·7	73·6	77·5	73·7	81·5	74·5	80·3	77·5	83·6	76·8	93·0	86·5	91·1	86·8	87·6	83·4	85·1	83·2	75·9	73·5	80·1	78·7
10	85·2	81·5	76·7	72·5	79·8	73·8	80·6	75·3	79·7	76·1	84·3	76·9	94·9	86·0	92·6	86·8	85·7	81·3	86·2	81·4	76·2	73·5	80·0	78·8
11	83·1	78·5	76·8	71·8	79·5	74·5	80·5	75·9	85·2	75·3	87·0	76·6	87·5	84·6	89·5	85·0	84·7	80·9	84·7	81·3	75·4	73·0	79·4	77·5
12	79·9	75·4	77·2	**70·9**	79·4	73·9	85·5	75·9	80·8	76·0	85·2	78·3	86·6	84·5	88·7	82·4	84·5	80·3	84·3	79·8	76·1	**70·5**	77·6	75·7
13	79·9	77·5	77·2	72·5	79·0	72·4	87·8	79·8	79·5	76·3	84·1	78·3	87·6	84·8	86·8	81·2	84·3	79·9	86·4	81·7	78·3	72·4	76·1	73·4
14	78·1	72·7	80·7	75·1	79·5	74·4	85·3	77·9	83·4	77·4	85·6	78·4	90·7	85·5	86·5	83·8	85·7	79·2	83·4	80·9	78·5	75·1	76·4	71·5
15	74·6	71·7	**84·7**	78·8	78·9	77·0	83·0	78·4	85·2	80·2	84·4	**76·2**	89·1	85·5	87·4	82·5	85·8	79·3	84·7	79·7	79·2	72·6	77·0	73·0
16	76·1	72·0	84·5	77·9	83·3	78·4	82·4	77·5	82·6	78·2	85·2	81·9	89·4	82·4	89·4	79·2	84·8	78·5	84·5	79·5	81·8	76·7	75·5	70·5
17	74·0	**69·2**	80·2	75·0	81·1	77·3	**91·1**	79·3	84·2	77·0	89·8	84·2	89·4	82·7	89·2	84·1	85·4	78·3	84·1	78·8	82·3	79·5	70·5	66·0
18	76·8	71·4	80·1	75·4	85·4	73·9	85·9	80·1	85·8	74·9	**90·7**	83·5	89·8	84·7	88·0	82·3	85·6	78·4	82·1	77·4	81·9	79·5	74·4	**64·5**
19	76·2	73·1	79·1	73·2	**88·2**	82·5	88·9	82·4	85·3	78·6	89·8	82·2	89·1	84·4	89·6	83·2	81·7	78·0	80·5	75·5	79·7	77·6	75·4	72·9
20	76·1	73·0	84·1	78·3	86·5	82·4	88·7	82·6	86·3	80·8	86·2	82·0	86·6	84·4	87·5	81·4	85·3	**77·3**	81·1	74·4	79·4	77·3	75·3	72·5
21	76·5	72·6	79·0	77·0	85·3	80·9	84·6	79·6	83·7	77·9	86·9	79·6	86·7	84·5	89·6	84·5	83·1	80·8	79·8	**72·6**	80·0	78·3	77·0	75·2
22	75·5	70·7	80·1	78·3	85·2	79·5	88·2	78·5	82·1	75·3	88·5	78·6	86·9	84·2	89·0	85·6	82·1	79·9	81·5	78·1	80·0	78·5	79·2	75·6
23	76·9	73·4	80·9	77·6	83·0	78·8	80·5	75·2	87·1	73·6	84·7	80·7	90·1	84·7	87·6	84·1	83·1	80·4	82·0	80·4	81·2	78·6	77·2	74·8
24	79·6	75·1	79·5	75·4	81·2	77·7	80·8	73·8	**88·8**	81·7	85·6	79·5	90·0	83·2	86·0	81·1	85·3	80·7	82·3	79·8	81·9	77·3	77·6	73·2
25	81·1	77·0	78·6	**70·9**	80·1	77·9	79·1	73·7	85·3	79·5	83·5	79·2	92·5	84·4	88·8	**78·3**	84·9	81·0	89·5	82·2	81·6	76·5	76·3	71·5
26	80·7	76·9	81·0	76·8	79·8	77·2	79·0	72·4	82·5	77·2	85·1	80·2	91·7	85·3	90·1	82·1	84·9	79·4	86·6	82·1	82·9	80·5	75·3	70·8
27	78·7	75·5	79·6	78·9	81·6	75·5	77·4	71·7	82·8	76·6	85·6	81·6	87·5	85·2	91·6	85·2	83·6	77·9	87·8	81·1	83·2	76·4	74·5	69·5
28	81·9	76·3	80·1	78·6	82·3	77·0	82·1	**70·7**	81·3	77·6	87·5	82·1	89·4	86·0	90·0	83·4	85·1	79·0	85·2	79·9	82·1	76·4	71·2	67·1
29	77·7	74·5	—	—	80·4	78·1	78·6	71·1	82·6	77·1	85·5	80·3	92·6	85·7	91·4	82·4	85·7	78·8	85·9	82·3	79·8	75·2	76·9	70·9
30	78·1	75·9	—	—	82·7	78·1	79·7	73·4	82·7	78·8	85·6	82·4	90·5	85·9	91·0	82·2	85·2	78·2	86·4	82·0	78·2	71·9	77·9	76·4
31	79·1	75·4	--	—	81·6	75·2	—	—	82·4	79·6	—	—	92·2	86·3	88·5	85·6	—	—	86·0	80·0	—	—	78·2	73·0
Mean	79·1	74·6	80·0	75·4	81·6	76·8	82·9	75·9	83·2	77·6	85·9	79·9	89·3	84·5	89·6	83·9	85·9	80·8	84·7	79·3	80·6	76·3	77·3	73·9

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

Percentages at exact hours Greenwich Mean Time.

99. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **January, 1927.**

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

100. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **February, 1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

101. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **March, 1927.**

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

102. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

103. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **May, 1927.**

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

104. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	98	100	98	98	96	91	86	81	84	92	93	100	99	99	98	98	98	99	100	100	99	99	99	98	**95·9**	10·4
2	99	98	99	99	98	98	96	91	82	72	89	84	86	82	73	65	78	74	87	92	92	95	93	93	88·2	11·1
3	76	82	77	80	79	70	64	61	58	54	52	69	68	65	65	52	51	54	59	64	65	73	71	74	66·4	8·5
4	74	76	79	81	83	79	81	80	63	67	76	73	78	79	87	87	89	84	71	73	82	87	86	86	79·0	9·3
5	80	82	83	82	79	81	84	83	76	67	67	64	63	57	64	66	71	73	62	71	78	91	88	89	75·0	9·0
6	89	89	89	87	84	81	77	70	79	72	61	64	63	62	83	83	82	76	88	84	83	83	89	89	79·5	9·7
7	91	92	91	92	88	77	77	80	78	78	74	73	73	71	69	69	68	65	70	73	75	80	80	80	77·9	8·8
8	83	82	84	84	90	86	84	87	81	65	66	69	67	69	73	78	79	83	79	82	72	71	76	71	77·7	8·2
9	77	77	77	73	68	68	60	58	58	76	69	66	77	63	51	42	65	56	58	60	73	68	65	68	65·6	6·7
10	69	70	71	76	73	67	63	57	58	55	55	56	51	50	45	45	50	54	62	64	64	65	71	66	**60·7**	**6·4**
11	62	62	70	64	57	59	58	53	53	53	42	55	59	58	75	70	69	78	83	86	89	88	88	92	67·1	7·8
12	88	88	91	91	88	81	72	63	55	71	69	66	71	77	73	74	87	91	91	88	88	89	90	93	80·6	9·3
13	94	93	96	94	96	94	92	88	89	92	94	94	93	93	91	92	90	90	96	96	95	96	91	88	92·9	10·5
14	81	79	73	75	71	69	69	71	58	59	58	50	48	53	49	47	51	49	54	54	69	67	72	75	62·8	7·3
15	80	82	78	85	83	78	73	60	61	65	65	65	64	63	69	74	75	75	81	82	83	87	87	87	74·8	8·4
16	87	86	84	84	84	84	86	87	88	89	92	92	93	93	94	95	97	97	97	96	97	97	98	97	91·2	11·4
17	96	89	90	94	95	97	94	91	84	80	81	77	76	80	83	84	93	81	75	73	82	70	83	73	84·7	**13·2**
18	75	79	84	85	83	80	79	82	87	65	63	69	58	51	48	51	59	55	67	75	76	79	80	80	71·1	11·0
19	82	82	82	80	79	81	71	64	54	59	70	64	64	71	88	81	67	77	75	90	80	77	75	76	74·6	10·9
20	75	75	79	79	77	76	78	84	85	92	90	92	79	74	75	82	88	86	86	91	88	91	93	96	83·4	10·8
21	96	94	94	96	98	96	88	68	66	64	67	71	92	94	77	69	81	83	78	77	82	85	84	80	82·8	10·5
22	79	75	79	72	71	67	65	62	57	54	49	49	44	42	35	54	70	57	67	66	70	80	84	86	63·8	7·9
23	92	94	94	96	98	94	91	87	88	92	86	87	81	77	75	78	74	72	77	83	82	87	86	91	85·8	10·1
24	89	92	91	88	81	88	89	85	89	80	69	82	81	80	71	63	57	60	58	63	73	78	79	86	78·1	9·3
25	87	86	86	82	86	86	83	70	75	76	73	79	80	86	91	80	81	87	78	78	78	85	86	89	81·9	9·2
26	91	91	92	88	87	90	87	81	76	73	69	66	67	72	69	75	85	87	86	84	89	89	89	92	82·2	9·9
27	93	93	92	93	92	92	93	92	89	92	88	85	78	76	75	72	75	76	76	78	78	80	84	90	84·7	10·6
28	92	94	94	94	92	85	83	85	85	79	78	81	77	85	81	62	70	69	67	72	80	82	84	86	81·6	11·1
29	86	86	86	91	87	86	79	78	87	87	86	89	83	85	89	88	89	86	87	90	89	91	93	95	87·0	11·2
30	96	96	98	98	98	98	83	94	94	94	92	91	90	90	91	94	95	95	96	94	95	99	99	99	94·5	12·2
Mean ...	85·2	85·5	**86·0**	**86·0**	84·7	82·6	79·5	76·4	74·6	73·8	72·8	74·1	73·4	73·2	73·6	**72·3**	76·1	75·6	77·0	79·3	81·5	83·6	84·8	85·5	79·1	9·7†
Vapour Pressure* ...	mb. 9·2	mb. 9·1	mb. **9·0**	mb. 9·1	mb. 9·2	mb. 9·4	mb. 9·6	mb. 9·4	mb. 9·5	mb. 9·5	mb. 9·7	mb. 9·9	mb. 10·0	mb. 10·0	mb. 10·0	mb. 9·9	mb. **10·1**	mb. 9·9	mb. 9·9	mb. 9·8	mb. 9·7	mb. 9·7	mb. 9·5	mb. 9·4	mb. 9·6‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	. —

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

Percentages at exact hours, Greenwich Mean Time.

105. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **July, 1927.**

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

106. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **August, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	85	88	89	90	91	89	86	81	77	78	77	75	72	75	74	77	70	71	72	78	78	82	86	87	80·1	13·7
2	85	81	79	80	81	76	72	71	69	65	59	56	56	57	58	61	64	68	72	74	77	86	88	86	71·7	13·0
3	85	87	87	85	88	87	79	80	78	76	70	67	70	63	61	64	68	67	70	73	73	85	87	90	76·6	15·7
4	91	91	93	93	93	93	91	82	70	67	62	60	62	64	72	68	68	69	72	86	87	85	85	88	78·9	14·3
5	91	93	91	90	94	94	92	92	91	90	88	84	84	83	84	84	85	88	91	96	98	98	99	99	90·6	15·4
6	99	99	98	97	96	98	99	100	100	100	99	99	97	94	93	97	97	99	99	100	100	100	100	100	98·3	15·7
7	100	100	100	100	99	99	99	99	100	100	99	100	100	100	100	99	98	97	98	99	96	96	96	97	**98·9**	16·1
8	96	98	99	99	98	97	90	89	89	92	90	89	92	97	94	94	92	95	99	100	100	100	100	100	95·3	16·2
9	100	100	100	99	99	100	99	99	98	92	88	82	80	83	84	89	91	92	93	96	96	96	96	97	93·8	**16·4**
10	98	99	99	98	98	98	98	98	98	96	96	83	79	73	72	71	71	74	77	77	81	84	84	89	87·3	15·9
11	92	94	91	91	93	93	94	90	89	84	90	94	91	86	87	89	90	92	94	96	96	97	97	97	91·8	15·0
12	95	93	93	93	93	95	93	89	89	95	91	90	84	81	80	72	72	70	71	81	85	91	94	91	86·8	13·9
13	91	91	92	92	91	91	89	86	76	77	73	72	71	63	63	63	64	68	72	73	78	77	81	80	78·3	11·0
14	85	86	89	89	90	89	88	86	87	87	88	88	89	89	93	94	95	95	96	94	95	95	95	93	90·4	13·3
15	90	94	94	86	87	87	80	88	85	79	74	76	74	71	73	71	69	71	79	78	79	74	82	82	80·4	11·8
16	86	86	85	87	87	80	69	72	70	68	67	67	71	69	85	84	83	87	91	94	93	94	94	93	81·5	11·6
17	92	92	93	94	96	95	91	90	80	72	79	93	83	75	73	78	84	88	90	91	92	91	93	94	87·4	13·3
18	94	96	95	99	98	98	98	98	97	93	91	87	84	84	84	87	85	87	93	91	93	89	91	92	91·9	13·1
19	91	91	93	92	91	92	91	81	77	72	63	63	62	62	61	63	64	72	76	78	82	86	84	84	78·1	11·8
20	82	84	84	87	89	84	80	76	76	74	78	82	77	77	77	80	81	83	86	94	93	96	97	98	83·7	11·8
21	98	99	98	98	98	97	96	90	85	85	85	84	69	73	76	80	85	80	84	88	90	94	93	93	88·4	13·9
22	93	96	94	94	97	94	95	93	80	85	85	88	87	88	81	85	86	88	88	91	94	94	94	94	90·1	14·6
23	94	95	95	92	91	89	88	82	80	73	73	71	66	63	64	66	67	68	77	82	84	87	87	83	80·1	12·0
24	83	84	87	88	88	88	87	83	80	75	77	83	76	76	80	83	87	86	87	83	85	87	88	88	83·6	11·1
25	88	90	90	91	91	88	88	84	76	70	60	64	63	62	61	68	72	80	79	83	83	80	84	86	78·4	10·6
26	86	86	84	86	87	87	87	85	88	81	73	75	69	72	78	82	79	85	87	88	89	88	84	85	83·0	13·1
27	87	84	78	78	82	78	79	79	80	53	43	44	40	48	49	51	47	54	55	57	64	61	60	71	**63·7**	11·2
28	73	76	81	83	85	85	79	79	75	73	72	71	69	73	60	68	56	59	57	68	64	67	72	75	71·6	10·9
29	75	80	84	87	87	92	90	85	74	65	56	52	48	50	44	43	51	47	56	61	66	68	64	63	66·4	**10·5**
30	68	70	79	83	86	88	83	75	77	65	64	59	57	61	63	65	78	82	90	92	93	89	88	88	76·3	12·0
31	90	91	93	94	94	94	83	80	90	86	91	88	86	87	89	92	94	97	96	97	96	94	97	95	91·3	14·5
Mean ...	89·1	90·1	90·5	90·8	**91·5**	90·8	88·2	85·9	83·3	79·6	77·5	77·0	74·5	**74·2**	74·6	76·4	77·2	79·3	82·2	85·1	86·5	87·5	88·4	89·0	83·7	13·3†
Vapour Pressure* ...	mb. 12·7	mb. 12·6	mb. 12·6	mb. **12·5**	mb. 12·6	mb. 12·9	mb. 13·3	mb. 13·6	mb. **13·8**	mb. 13·6	mb. 13·7	mb. 13·6	mb. 13·5	mb. 13·5	mb. 13·5	mb. 13·6	mb. 13·6	mb. 13·6	mb. 13·6	mb. 13·4	m b. 13·3	mb. 13·1	mb. 13·0	mb. 12·9	mb. 13·3‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	12.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	—

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

Percentages at exact hours, Greenwich Mean Time.

107. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **September, 1927.**

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

108. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

109. Aberdeen: North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **November, 1927.**

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

110. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1927.**

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

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

HUMIDITY : ANNUAL MEANS FROM HOURLY VALUES.

For exact hours, Greenwich Mean Time.

111. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **1927.**

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

* Computed from the mean temperature and mean relative humidity.

RELATIVE HUMIDITY : MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

112. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **1927.**

Month.	Mean.	Hour G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	81·8	+0·5	+0·4	+0·4	+0·9	+1·3	+1·2	+1·4	**+2·3**	+2·2	+1·3	+0·5	−1·3	−1·9	−2·9	**−3·0**	−2·2	0·0	+0·5	−0·6	−0·3	0·0	−0·8	−0·1	+0·5
Feb.	84·3	+2·1	+1·6	+2·1	**+2·8**	+2·0	+2·2	+2·3	+2·5	+1·4	−0·5	−2·8	−5·2	−4·9	**−5·9**	−4·4	−2·5	−0·6	−0·1	−0·2	+0·9	+1·8	+1·9	+1·5	+1·9
Mar.	83·3	+3·1	+3·5	+4·3	+4·3	**+5·4**	+4·6	+4·9	+3·6	+1·1	−1·5	−3·4	−6·5	−6·9	**−7·3**	−7·1	−6·7	−4·3	−2·4	−0·2	+1·2	+2·7	+2·3	+2·2	+3·1
April	**72·7**	+5·0	+4·4	+5·7	+6·0	**+7·4**	+7·3	+5·1	+2·4	−4·0	−6·2	−9·5	−11·2	−9·9	**−11·5**	−7·9	−8·0	−4·8	−1·1	+1·3	+4·7	+6·2	+6·6	+5·5	+6·4
May	79·0	+4·9	+5·7	+6·3	**+6·4**	+5·4	+3·7	+0·6	−1·2	−2·8	−5·5	−5·2	−4·1	−3·6	**−7·2**	−6·0	−4·5	−5·1	−3·7	−1·2	+0·7	+3·4	+3·7	+4·6	+4·6
June	79·1	+6·2	+6·5	**+7·0**	+7·0	+5·7	+3·6	+0·5	−2·6	−4·5	−5·2	−6·3	−5·0	−5·6	−5·8	−5·5	**−6·7**	−2·9	−3·4	−2·1	+0·2	+2·4	+4·5	+5·7	+6·4
July	**86·0**	+5·5	+5·5	**+5·6**	+5·2	+4·7	+3·9	+2·2	−0·1	−1·5	−3·2	−4·9	−5·1	−5·7	−6·1	−5·0	**−6·2**	−5·4	−4·2	−2·4	+0·6	+2·8	+4·1	+4·7	+4·7
Aug.	83·7	+5·7	+6·7	+7·1	+7·3	**+8·0**	+7·3	+4·6	+2·3	−0·4	−4·0	−6·2	−6·7	−9·3	**−9·6**	−9·2	−7·4	−6·6	−4·5	−1·7	+1·3	+2·5	+3·5	+4·4	+5·0
Sept.	85·4	+3·3	+3·2	+3·5	+3·9	+4·0	**+4·1**	+3·4	+0·9	−3·1	−3·7	−4·8	−5·4	**−6·2**	−4·8	−5·4	−5·0	−2·9	−0·6	+0·9	+2·4	+3·0	+3·1	+2·7	+3·4
Oct.	83·6	+3·5	+3·7	+3·6	+3·9	+3·3	+3·8	**+4·3**	+2·5	−0·4	−3·2	−4·0	**−5·5**	−5·0	−5·4	−5·4	−4·7	−3·4	−0·1	+0·5	+0·5	+1·5	+1·0	+2·1	+2·9
Nov.	81·7	+0·6	+0·8	−0·3	+1·5	+1·7	**+2·5**	+2·1	+2·3	+1·8	+0·3	−0·8	−3·4	**−4·1**	−2·2	−1·9	−2·0	−0·2	−0·1	+1·3	+1·4	+0·3	−0·4	−0·5	−0·8
Dec.	80·0	+0·6	**+2·0**	+1·7	+1·0	0·0	+0·5	−1·4	−1·2	−0·9	−0·9	−0·5	−1·4	**−1·7**	−1·7	−1·3	−0·1	+0·1	+0·2	−1·0	+0·5	+0·5	+1·4	+1·8	+1·7
Year	81·7	+3·4	+3·7	+3·9	**+4·2**	+4·1	+3·7	+2·5	+1·1	−0·9	−2·7	−4·0	−5·1	−5·4	**−5·9**	−5·2	−4·7	−3·0	−1·6	−0·5	+1·2	+2·3	+2·6	+2·9	+3·3

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 = 13·4 metres + 0·6 metres. **1927.**

Hour. G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm. 25·9	mm. 26·8	mm. 27·5	mm. 25·8	mm. 38·3	mm. 41·0	mm. 30·7	mm. 25·6	mm. 30·9	mm. 29·0	mm. 36·7	mm. 41·1	mm. 37·2	mm. 37·2	mm. **46·7**	mm. 37·8	mm. 36·3	mm. 46·5	mm. 42·7	mm. 46·6	mm. 46·0	mm. 43·5	mm. **25·1**	mm. 26·4	mm. 851·3
Duration	hr. 26·0	hr. 29·2	hr. 35·8	hr. 32·8	hr. **37·3**	hr. 36·7	hr. 31·8	hr. 27·9	hr. 30·1	hr. 26·7	hr. 29·4	hr. 29·8	hr. 32·3	hr. 30·2	hr. 31·5	hr. 31·9	hr. 32·2	hr. 36·6	hr. 29·8	hr. 33·1	hr. 33·0	hr. 34·2	hr. 26·2	hr. **25·6**	hr. 750·1

114. Aberdeen. NOTES ON RAINFALL. **1927.**

Notable Falls of the Year.—Apart from one fall of an exceptional nature, the year showed no strongly marked vicissitudes of rainfall. The exception referred to was the fall, mentioned below, of 71 mm. in 34 hours on 22nd and 23rd September, one of the heaviest falls ever recorded at Aberdeen.

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

Feb. 8—18.	11 days with less than 3 mm. of rain.
Mar. 13—22.	10 days with only 0·2 mm.
May 5—11.	7 days without rain.
July 10—19.	10 days with no rainfall at Aberdeen, but on the 10th there was a ↯ with a "cloudburst" at Culter, about 7 miles west of Aberdeen, which caused serious flooding.
Aug. 22—31.	10 days with only trifling showers yielding less than 1 mm.
Oct. 3—12.	10 days with only 0·5 mm.
Nov. 24—Dec. 5.	12 days with slight showers yielding only 1 mm.

Wet Periods.—(With notes of the heavier rates of fall.)

May 4.	20 mm. fell in 14 hrs.
Sept. 6—8.	57 mm. in all fell in three separate falls, the first 30 mm. falling in less than 5 hours. During this period 5 mm. fell in 9 minutes, and 10 mm. in 28 minutes, the highest rates of fall for the year.
Sept. 22—23.	Very heavy continuous fall of 71 mm. in the 34 hours following 2 hr. on the 22nd, but no exceptional rate of fall was recorded. (September was a very wet month ; 162 mm. in all were recorded.)
Oct. 2.	28 mm. fell in the 16 hrs. from 5 hr. onwards.
Nov. 6—12.	A wet week ; over 48 mm. were recorded.

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

115. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 13·4 metres + 0·6 metres. **January, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	·6	...	...	...	...	...	...	...	...	...	(·4)	(·8)	(·4)	(·4)	(·2)	(·1)	...	...	...	...	...	...	...	...	2·9	(4·1)
5	...	...	...	...	...	...	(·1)	(·3)	(·1)	(·2)	(·2)	(·2)	(·3)	(·5)	·4	·3	...	...	·1	...	...	...	...	...	2·7	**(8·6)**
6	...	...	...	...	...	·8	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·5
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	1·2	2·1	·8	·1	...	...	...	...	...	...	...	...	...	...	...	4·2	2·1
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	·1	...	...	...	...	...	...	1·7	1·0
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·9	2·3	1·9	·7	...	·1	...	**9·0**	4·3
13	...	·1	·2	1·4	·2	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	2·5	3·5
14	·1	·1	·6	...	·2	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·2
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	·2	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·3
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	(·4)	...	...	...	...	...	...	...	...	...	...	·7	...	·2	·2	...	1·5	(1·8)
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·2
21	·2	...	·2	·2	·1	·1	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	(2·6)
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·2	1·4	·9	·3	·1	·1	·1	6·4	5·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	·4	...	...	·1	...	2·3	0·9
26	...	...	...	...	...	...	...	...	·2	1·2	...	...	·2	2·5	·9	...	...	...	...	·2	·6	·1	...	...	5·9	3·9
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	·1	·1	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	·4	1·1	...	·9	...	·1	...	...	3·2	3·1
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	·2	·1	...	...	·2	·5	·1	...	...	...	·1	...	·1	...	...	...	...	...	...	...	1·3	2·3
Sum.	1·2	0·8	1·1	1·6	0·7	1·1	0·3	0·7	0·9	3·1	2·8	1·8	1·0	3·9	1·6	0·4	4·5	**6·3**	5·6	5·0	1·6	0·5	0·6	0·4	47·5	47·8
Total Duration.	hr. 2·0	hr. 2·0	hr. 1·8	hr. 1·4	hr. 1·7	hr. 1·3	hr. 0·7	hr. 1·7	hr. 2·4	hr. **3·1**	hr. 2·3	hr. 1·8	hr. 2·4	hr. 2·7	hr. 2·3	hr. 1·3	hr. **3·1**	hr. 2·9	hr. 2·3	hr. **3·1**	hr. 2·1	hr. 1·1	hr. 1·4	hr. 0·9	hr. 47·8	

116. Aberdeen : H_r = 13·4 metres + 0·6 metres. **February, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·2
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·6	2·0	1·7
3	2·6	1·7	·7	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	3·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·4	...	·1	1·0	...	...	·1	...	...	2·4	3·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	·2	·5	·8	·6	·8	1·2	1·0	1·1	·5	·3	·4	·5	·3	·1	...	·2	·1	...	·4	·2	...	·1	...	0·7	1·9
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·6	**14·9**
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·5
15	...	...	...	...	·8	·6	·7	·1	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	4·4
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	·1	...	0·5	0·8
20	...	...	...	·1	·3	·1	...	...	...	...	...	...	...	...	...	·3	·4	·1	·6	...	...	...	·1	...	2·0	2·7
21	...	...	...	...	...	...	·3	·3	·1	·1	·5	·1	...	...	·1	·1	...	...	...	...	...	...	...	...	1·6	5·0
22	...	...	...	...	...	...	...	...	...	...	·6	·4	·1	...	...	...	...	...	...	...	...	·1	·1	...	1·3	1·9
23	...	...	...	...	·2	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	·5	1·3	·5	·3	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	3·6
27	·2	·5	·1	...	·3	·5	·9	·1	·3	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	4·8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·3	·9	1·5	1·9	1·4	1·4	1·8	·6	...	...	**10·3**	8·4
Sum.	2·8	2·4	1·8	2·5	2·7	2·3	**3·3**	1·9	2·2	0·7	1·8	0·9	0·6	0·8	1·3	1·7	2·1	2·2	3·0	2·0	2·2	0·8	0·8	1·9	44·7	58·5
Total Duration.	hr. 1·3	hr. 2·3	hr. 3·0	hr. 3·0	hr. 4·0	hr. 3·6	hr. **4·5**	hr. 3·3	hr. 2·2	hr. 2·0	hr. 3·7	hr. 2·3	hr. 1·3	hr. 1·9	hr. 2·6	hr. 2·4	hr. 1·9	hr. 2·4	hr. 2·6	hr. 2·2	hr. 2·0	hr 1·1	hr. 1·4	hr. 1·5	hr. 58·5	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

117. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 13·4 metres + 0·6 metres. **March, 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	0–24	Duration 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·1	1·0	·7	...	·2	1·4	...	...	...	·2	...	·1	...	...	...	...	·1	·3	·5	·2	4·8	5·6
2	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·6	1·3	·8	1·1	·5	·6	·2	5·2	5·2
3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·0
4	...	...	...	...	·1	...	·5	·4	·2	·4	1·2	1·7	·2	·1	...	·2	...	...	...	...	...	...	...	...	5·0	6·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·7	·3	·1	·1	...	...	...	...	...	1·7	2·9
6	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	·6	·4	...	·1	·2	...	·2	1·3	·1	...	...	...	...	...	...	...	2·9	3·5
10	...	...	...	...	...	...	...	·1	...	·1	·4	·1	·3	...	...	...	...	...	...	...	...	...	...	...	1·0	1·4
11	...	...	·4	...	...	·1	...	·7	·3	·6	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	2·3	1·8
12	...	...	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·6
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	2·5	2·4	1·5	...	...	...	...	...	...	...	1·8	1·8	2·7	2·2	·9	·9	·1	**16·8**	**8·6**
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	·1	...	...	0·5	0·7
25	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·5	0·7
26	...	...	·5	·1	...	...	...	...	...	...	1·4	·6	·1	·1	·1	...	...	...	...	...	...	·5	...	...	3·4	2·9
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·4	·2	...	...	1·0	2·0
30	...	·1	·6	·6	·4	·5	·3	·1	·8	·7	·9	...	...	...	·2	...	·5	...	...	...	...	...	...	...	5·7	7·3
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	...	...	...	0·6	0·9
Sum.	0·2	0·2	2·9	0·9	0·6	1·7	1·6	3·8	4·6	**5·1**	4·0	2·5	0·8	0·5	1·4	2·8	0·9	2·6	3·6	4·0	3·8	2·6	2·0	0·5	53·6	52·1
Total Duration.	hr. 1·0	hr. 0·1	hr. 1·9	hr. 1·0	hr. 1·3	hr. 1·8	hr. 2·7	hr. 2·2	hr. 3·8	hr. **4·3**	hr. 3·2	hr. 2·2	hr. 1·6	hr. 0·6	hr. 2·2	hr. 3·6	hr. 1·1	hr. 1·8	hr. 2·4	hr. 2·8	hr. 3·1	hr. 3·4	hr. 2·8	hr. 1·2	hr. 52·1	

118. Aberdeen : H_r = 13·4 metres + 0·6 metres. **April, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	·1	·3	0·8	1·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·2	·3	·7	...	...	...	...	...	...	1·5	1·3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	3·1	4·2	3·8	·6	...	**12·8**	4·2
5	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	(·1)	...	...	...	...	...	...	...	...	0·3	0·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	...	·9	1·3	·9	...	...	...	...	3·9	2·2
7	...	...	...	·2	...	·1	...	...	...	...	...	...	...	...	...	·7	·1	...	...	...	...	...	...	...	1·1	1·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	2·3	1·0	·7	...	·3	...	·1	...	...	·1	·3	·1	·3	·1	...	·6	·5	...	·8	·9	8·1	5·1
10	...	·2	...	...	...	...	...	...	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·3
11	...	...	·1	·9	·2	·1	...	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	3·0
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	·5	2·2	2·4	·8	·1	...	...	·1	...	...	...	...	...	...	...	...	...	·2	·1	·9	7·3	5·0
14	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·7	...	...	...	...	·7	...	·1	1·8	1·5
15	·2	...	...	...	·2	·1	·1	...	...	·3	·2	...	1·5	·1	...	...	...	...	...	...	...	·1	...	...	2·8	1·7
16	...	...	...	...	·3	·2	·6	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·6
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	0·2	0·5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·2
23	...	...	·1	...	·1	·2	·1	...	...	...	...	...	·2	·3	...	...	...	·3	·1	...	...	...	...	...	1·4	2·3
24	...	...	...	...	...	·3	(·3)	·5	...	...	...	...	...	...	...	...	·1	·3	...	·5	·2	...	...	...	2·2	(2·0)
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·1	·2	·3	·4	·7	1·4	1·1	5·5	4·6
26	·5	(·4)	(·4)	(·4)	(·4)	(·3)	...	...	...	·1	·2	...	...	...	·1	...	...	...	(·1)	(·2)	(·1)	...	...	...	3·2	**(6·2)**
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	(·2)	(·1)	...	...	...	0·4	(2·7)
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·7)	(1·0)	(·4)	...	...	...	2·1	(1·7)
30	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	·1	·6	...	...	...	...	...	...	0·9	0·9
Sum.	0·9	0·6	0·6	1·5	4·0	4·5	4·2	1·6	1·4	0·4	0·5	0·2	1·9	0·7	0·7	1·9	3·0	3·1	3·1	**6·9**	6·1	5·7	3·0	3·3	59·8	50·4
Total Duration.	hr. 1·8	hr. 1·1	hr. 1·4	hr. 1·9	hr. 3·1	hr. 4·2	hr. 2·5	hr. 1·7	hr. 1·5	hr. 0·3	hr. 0·6	hr. 0·2	hr. 1·0	hr. 1·0	hr. 0·8	hr. 1·4	hr. 2·4	hr. 3·2	hr. 3·3	hr. **4·5**	hr. 4·0	hr. 3·5	hr. 2·6	hr. 2·4	hr. 50·4	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

119. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 13·4 metres + 0·6 metres. **May, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	·7	...	...	...	...	...	...	·1	·1	·2	...	...	...	...	...	...	1·0	3·7	2·6	·9	9·3	4·6
3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·8	·7	...	...	...	2·4	3·5
4	...	...	...	...	...	...	...	...	...	·5	1·7	1·3	1·3	·9	·3	·8	·9	·4	1·6	2·1	3·7	2·0	1·2	1·2	**19·9**	**13·7**
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	·2	·5	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·8
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	·1	·2	·3	·3	·5	1·0	·7	·8	·7	·1	·3	...	·3	·1	...	·1	·3	·5	·3	·1	·1	...	...	...	6·8	12·8
15	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	·4	1·0	...	·5	...	·7	...	·3	...	...	3·1	2·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	·2	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	0·7	0·8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	0·4	0·1
20	...	...	...	...	...	...	...	·5	·4	·5	·4	...	...	·1	...	...	...	...	...	...	...	...	...	...	1·9	3·3
21	...	...	...	...	...	...	...	·1	·1	...	1·0	1·8	1·0	·1	·1	·1	...	...	...	...	·2	·1	...	·1	4·7	4·1
22	·2	·2	·1	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·4
23	...	...	...	...	...	...	...	...	...	...	...	·2	·7	...	...	...	...	...	...	...	...	...	...	...	0·9	1·0
24	...	...	·1	·1	...	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·6
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·2
27	...	...	·1	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
28	...	·3	·3	...	·2	·2	...	...	...	·3	·1	·3	·1	·3	...	...	...	...	...	...	...	...	...	...	2·1	2·8
29	...	...	...	...	...	...	...	...	·1	...	...	...	·3	...	...	...	...	...	...	·1	·4	·1	·1	·4	1·5	1·8
30	·6	·6	...	...	...	...	...	...	...	·2	·7	·4	1·2	·2	...	·1	...	...	·1	·1	·2	·1	...	...	4·5	6·3
31	...	...	·1	...	·1	·1	...	...	...	...	...	...	...	·3	3·4	...	...	...	...	...	...	...	...	...	4·0	1·3
Sum.	1·1	1·3	1·2	1·3	2·2	1·8	1·0	1·5	1·3	1·6	4·2	4·6	5·2	2·2	4·6	2·1	1·2	1·6	2·5	3·9	**6·3**	**6·3**	4·0	2·6	65·6	66·9
Total Duration.	hr. 1·8	hr. 2·4	hr. 3·4	hr. 3·4	hr. 3·0	hr. 2·7	hr. 1·5	hr. 2·1	hr. 2·4	hr. 2·8	hr. 3·8	hr. 3·9	hr. **4·9**	hr. 2·3	hr. 1·9	hr. 2·0	hr. 1·5	hr. 2·7	hr. 3·2	hr. 3·1	hr. 4·0	hr. 3·1	hr. 2·3	hr. 2·7	hr. 66·9	

120. Aberdeen : H_r = 13·4 metres + 0·6 metres. **June, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	·5	·5	·1	·1	·1	1·1	3·0	3·7
2	·8	·1	·1	...	·1	...	...	...	...	...	...	·4	...	·1	...	...	...	·1	·2	1·3	...	...	...	...	3·2	3·3
3	...	...	...	...	...	...	...	...	...	...	...	1·8	·2	·7	...	...	...	...	...	...	...	...	...	...	2·7	0·6
4	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·9	1·3	·6	·1	...	...	...	...	...	...	3·3	1·6
5	...	...	·1	...	...	·1	...	·3	·1	...	...	(·1)	...	...	...	(·1)	...	...	...	...	...	1·0	...	...	1·8	(1·5)
6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	...	...	...	·5	...	...	·1	1·7	2·1	5·4	2·5
7	·5	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·6
8	...	...	...	·1	·1	·4	...	·2	·2	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	1·2	2·7
9	...	...	...	...	...	...	...	...	...	·4	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·6	0·5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·7	...	·3	·7	·1	·3	·2	·1	...	5·4	3·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·4	·3	·6	...	...	...	...	...	1·5	2·5
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	2·4	·1	...	...	...	2·9	1·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	...	...	...	...	·1	·1	...	·1	1·4	1·8
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	0·4	0·4
18	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
19	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	5·3	·5	·3	·6	(·5)	(1·5)	(...)	(...)	(...)	(...)	**8·9**	(3·4)
20	...	...	...	...	...	...	...	...	...	...	·3	·4	...	...	...	...	·1	·2	...	·5	...	·1	...	...	1·6	2·1
21	·3	...	...	·8	·9	·2	...	...	...	...	...	...	·9	1·8	·3	...	·1	...	...	...	...	...	...	...	5·3	4·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	·2	·5	·4	·6	·2	...	·2	·2	1·1	·5	·1	·1	...	...	...	...	...	...	...	...	...	...	...	4·1	**6·5**
24	...	...	...	...	...	·7	1·1	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	1·7
25	...	...	...	...	·3	·1	...	...	...	...	...	·2	·1	...	·4	·1	...	·1	...	...	...	...	...	...	1·3	2·2
26	...	·2	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·6	0·9
27	...	...	...	...	...	...	·8	·5	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·6	2·5
28	·2	·7	·3	...	·1	...	...	...	...	...	...	1·0	·1	...	1·2	...	...	...	...	...	...	...	...	...	3·6	3·3
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	(0·3)
Sum.	1·9	1·3	1·0	1·7	2·1	1·8	1·9	2·8	0·6	1·6	1·0	4·1	2·0	3·6	**10·1**	5·7	1·9	1·9	3·4	6·3	0·6	1·7	1·9	3·4	64·3	55·1
Total Duration.	hr. 2·6	hr. 2·8	hr. 2·2	hr. 2·2	hr. 2·8	hr. 2·9	hr. 1·7	hr. 2·5	hr. 1·2	hr. 1·4	hr. 1·1	hr. 2·3	hr. 2·4	hr. 2·5	hr. **3·5**	hr. 2·9	hr. 2·3	hr. 2·6	hr. 2·9	hr. 3·0	hr. 1·7	hr. 1·9	hr. 1·4	hr. 2·3	hr. 55·1	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

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) = 13·4 metres + 0·6 metres. **July, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	·2	·5	·2	·5	·4	·1	...	...	·1	...	...	...	...	...	...	2·0	5·2
5	...	...	...	...	1·3	...	...	...	...	...	...	...	3·2	4·0	·4	...	...	...	...	...	...	...	...	...	8·9	2·9
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·7	·1	...	...	...	...	...	1·4	2·3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·8
9	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	·2	...	·6	·6	·1	...	...	1·9	1·8
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	≡	≡	≡	(...)	(...)
22	≡	≡	≡	(·1)	≡	≡	≡	·1	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	(0·3)	0·5
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	4·7	·5	·2	...	...	...	...	6·0	2·0
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·9	...	3·6	2·4	·1	...	...	...	...	7·9	3·4
27	...	...	...	...	...	...	...	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	...	...	...	0·7	0·6
28	...	·3	·1	·4	2·8	3·1	2·8	1·3	1·4	1·5	1·4	1·0	·1	·3	...	...	...	...	...	...	·1	·1	...	...	**16·7**	**10·6**
29	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8
30	...	...	...	...	1·1	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	(·1)	...	...	...	...	...	1·3	1·1
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	...	0·3	0·4	0·5	5·3	3·2	2·8	1·4	1·4	1·7	1·9	1·8	3·9	4·7	1·4	1·3	1·3	**9·3**	3·1	0·9	0·8	0·2	...	0·2	47·8	32·6
Total Duration.	hr. ...	hr. 0·4	hr. 0·9	hr. 0·6	hr. 2·7	hr. 1·5	hr. 1·0	hr. 1·3	hr. 1·0	hr. 1·3	hr. 2·0	hr. 2·4	hr. 1·9	hr. 2·6	hr 1·7	hr. 0·9	hr. 1·7	hr. **3·7**	hr. 1·7	hr. 1·1	h r. 0·9	hr. 0·5	hr. ...	hr. 0·8	hr. 32·6	

122. Aberdeen : H_r = 13·4 metres + 0·6 metres. **August, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	0·3	0·7
6	·2	·1	·1	...	...	...	·1	(·1)	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	2·4
7	...	...	...	...	...	...	...	...	...	·1	5·4	·4	·1	...	...	...	...	...	...	...	...	...	...	...	6·0	1·9
8	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	...	...	...	...	...	...	·2	·7	2·3	1·0	7·3	3·8
9	5·2	5·2	2·2	·6	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**13·5**	4·8
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	·8	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·4
12	...	...	·1	...	...	·4	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·7	...	...	·6	·2	·3	·1	2·8	4·8
15	·1	·3	·5	·3	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·0
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·8	...	1·7	2·4	2·5	·7	·2	...	·1	11·5	**5·6**
17	...	...	·1	...	·2	...	...	...	...	...	...	3·5	1·0	...	...	...	...	...	...	...	...	...	...	...	4·8	1·3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	·3	·3	·4	1·5	2·5
21	·7	1·3	1·3	1·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·9	4·1
22	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·2	0·6
23	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
24	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	(0·4)
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·3
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
Sum.	6·3	**6·9**	4·4	2·4	0·8	0·6	0·3	0·1	0·2	0·3	5·4	4·7	1·1	3·1	1·1	3·0	0·8	2·4	2·4	3·0	1·5	1·5	3·2	1·7	57·2	38·2
Total Duration.	hr. 3·0	hr. 3·3	hr. **3·8**	hr. 2·3	hr. 1·7	hr. 0·9	hr. 0·9	h r. ...	hr. 0·7	hr. 0·4	hr. 1·0	hr. 1·3	hr. 0·6	hr. 0·4	hr. 0·6	hr. 1·1	hr. 1·0	hr. 1·6	hr. 0·9	hr. 1·5	hr. 2·1	hr. 3·2	hr. 3·1	hr. 2·8	hr. 38·2	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

123. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 13·4 metres + 0·6 metres. **September, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	hr.
1	≡	≡	(·1)	≡	≡	...	...	...	...	...	...	·5	·1	...	...	...	...	...	·1	...	1·6	·9	...	...	3·3	2·4
2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	5·5	4·3	6·6	11·6	·2	...	29·9	4·4
7	·1	...	1·9	·2	2·1	(7·8)	(1·0)	·1	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	13·6	4·6
8	...	...	...	...	...	2·1	·4	...	1·4	...	...	...	...	...	...	...	1·0	2·0	·1	...	4·7	1·1	·8	·1	13·7	5·8
9	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	·2	...	...	0·3	(0·6)
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	·1	·1	...	...	0·6	0·9
11	...	...	...	...	·3	·1	·4	·6	...	...	·3	·2	·2	...	...	...	...	...	...	...	...	...	...	...	2·1	2·9
12	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·2	...	1·1	(1·8)
13	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	0·3	(0·6)
14	...	...	...	...	...	·3	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	0·7	0·3
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	...	...	2·4	·5	·2	·5	...	...	...	...	4·8	3·0
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	(0·1)	(0·3)
19	...	...	...	...	...	...	...	...	...	...	·3	·2	·4	...	1·0	1·2	...	...	·3	·4	·4	·1	...	...	4·3	4·9
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	(0·3)
21	...	·1	·3	·8	1·0	·2	·4	·2	·1	...	·1	·1	·1	·3	...	...	...	...	...	...	...	·1	...	...	3·8	7·9
22	...	·5	·5	1·4	·8	·1	·8	·9	1·6	1·7	2·3	2·6	2·6	4·1	4·1	4·4	4·4	4·9	4·2	4·3	4·6	3·4	2·8	3·6	**60·6**	**21·6**
23	1·6	1·5	1·2	1·5	1·2	·6	·1	·2	·5	·4	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	9·1	9·7
24	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	0·5	0·3
25	...	...	...	...	...	...	...	...	...	·6	...	...	1·7	1·6	·7	·3	...	...	...	·2	·1	·1	...	...	5·3	4·1
26	·1	...	·1	·4	·5	·1	·1	...	...	...	...	...	...	...	·3	·6	·1	...	...	...	...	...	...	...	2·3	3·0
27	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	0·3	0·3
29	...	·4	·4	...	·3	·8	1·2	1·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·8	5·7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·9	2·7	4·6	4·4	6·2	12·1	4·4	3·4	3·9	2·7	3·3	4·5	5·2	8·0	6·2	6·9	8·1	9·1	10·4	9·7	**18·5**	17·9	4·3	3·7	162·1	86·8
Total Duration.	hr. 1·8	hr. 2·9	hr. 5·4	hr. 4·3	hr. 4·8	hr. 5·1	hr. **5·8**	hr. 3·5	hr. 3·4	hr. 2·4	hr. 3·5	hr. 3·7	hr. 3·3	hr. 3·2	hr. 3·0	hr. 3·8	hr. 2·4	hr. 3·4	hr. 3·5	hr. 3·5	hr. 4·6	hr. **5·8**	hr. 2·5	hr. 1·2	hr. 86·8	

124. Aberdeen : H_r = 13·4 metres + 0·6 metres. **October, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·5	...	...	...	...	...	...	...	...	...	...	0·7	1·6
2	...	...	...	...	...	·3	1·2	1·8	2·0	3·3	3·6	5·6	1·8	·5	4·3	1·8	1·4	·3	·1	...	·1	·2	...	...	**28·3**	12·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(...)	(·1)	(...)	(0·1)	(...)
9	(...)	(...)	(·1)	(...)	(...)	(·1)	(...)	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(0·4)	(1·0)
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	·3	...	...	...	...	·1	...	...	...	...	...	...	·1	...	...	...	·3	·1	·1	·1	1·1	2·6
14	·3	·1	·1	·4	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·1	·1	·2	...	...	...	...	2·1	1·9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·3	1·3	...	...	...	...	...	...	...	5·0	2·4
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	0·5	0·3
18	...	...	...	·1	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·6
19	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	·1	·3	·8	1·6	1·3	1·8	1·7	2·4	2·0	1·6	·4	·1	...	·9	·5	·8	·6	·3	...	...	·5	17·7	**15·8**
23	·1	...	...	...	...	...	...	...	·5	·4	·5	·4	...	...	...	...	...	·2	·6	·1	·1	·3	·1	·3	3·6	6·2
24	...	...	...	·1	...	...	...	...	...	...	...	...	·1	·2	...	·3	·4	...	...	...	...	·6	·1	1·8	2·7	
25	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	2·4	2·1	
26	·5	·3	·2	·1	...	...	...	...	...	...	·7	·9	·7	1·1	...	...	...	...	...	...	...	...	...	...	4·5	4·4
27	...	...	·2	1·1	4·3	1·3	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·5	3·9
28	...	...	...	...	...	...	...	...	...	...	...	...	2·1	·4	·5	·3	·8	·5	·7	...	·1	·2	·2	...	5·8	6·9
29	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·6
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	0·3	0·5
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·6	0·7	0·6	1·9	5·0	3·2	4·4	3·2	4·3	5·7	7·2	**9·0**	6·4	3·1	6·4	4·9	5·6	2·6	2·3	0·9	0·9	0·8	1·4	2·7	84·8	68·1
Total Duration.	hr. 1·8	hr. 2·0	hr. 1 5	hr. 2·4	hr. 2·2	hr. 2·9	hr. 2·9	hr. 2·5	hr. 2·6	hr. 3·4	hr. 2·9	hr. 3·8	hr. 3·4	hr. 4·2	hr. 3·6	hr. 3·6	hr. **5·5**	hr. 3·4	hr 2·7	hr. 2·1	hr. 2·2	hr. 1·8	hr. 2·2	hr. 2·5	hr. 68·1	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

125. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 13·4 metres + 0·6 metres. **November, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	·1	·1	3·2	1·1	·8	3·6	1·7	1·1	·3	·3	...	...	...	...	...	...	...	...	12·3	7·0
2	...	...	·4	·1	·1	1·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	·9	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	0·9
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	4·5	1·0	...	...	...	...	·1	...	...	...	5·8	2·5
7	·1	1·0	·1	...	1·0	·3	...	...	...	...	...	...	...	·3	·1	...	...	...	(·1)	(·5)	(*)	(·1)	(·5)	(·1)	(4·2)	(4·4)
8	(·2)	(·5)	(·6)	(·3)	(·2)	(·3)	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(2·3)	(4·5)
9	...	...	...	...	1·0	·4	·4	(·5)	(·5)	(·2)	(·8)	(1·0)	(·1)	(·2)	(·4)	(·4)	(·3)	(·3)	(*)	(*)	(*)	(·1)	(·1)	(1·6)	(8·3)	(8·0)
10	(·8)	(1·7)	(·5)	(·6)	(·8)	(·7)	(·7)	(·7)	(·6)	(·5)	(·5)	(·3)	(·2)	(·5)	(1·0)	(*)	(·6)	(·4)	(·7)	(·5)	(·6)	(·3)	(·1)	(·3)	(13·6)	(13·0)
11	(·3)	(1·0)	(·4)	(·5)	(1·3)	(·6)	(·9)	(·3)	(·3)	(·2)	(·3)	...	(·1)	...	(·6)	(·3)	(·2)	(·1)	(·2)	(·1)	(·1)	(·2)	(·1)	(1·2)	(9·3)	(9·2)
12	(2·5)	(·6)	(·6)	(·5)	(·1)	(*)	(*)	(·2)	(·4)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(4·9)	(5·0)
13	...	...	...	...	...	·1	·3	...	...	...	·1	...	...	...	...	...	...	·1	...	·5	·1	·2	·1	...	1·5	2·6
14	...	...	...	...	...	...	...	...	...	...	...	·2	1·8	1·2	·8	·1	...	...	...	...	...	...	...	...	4·1	3·6
15	(␣)	(␣)	(·1)	(␣)	(␣)	(·1)	(␣)	...	...	...	...	...	...	...	...	...	...	·1	·6	·3	·1	...	...	...	1·3	2·3
16	...	...	...	·3	·7	1·0	·6	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	3·4
17	...	·7	·9	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	2·2
18	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
19	...	...	·2	...	·1	·1	...	·1	·3	·7	...	·2	·2	·1	·2	...	...	...	...	...	·1	...	...	...	2·3	3·3
20	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·3	·3	·2	·2	...	...	...	...	...	1·2	2·8
21	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	0·4	(1·4)
22	·3	·5	·6	1·1	1·1	(1·8)	(1·2)	1·2	2·1	1·8	·1	·1	·8	·2	·3	·7	·2	·3	...	·1	·1	...	...	...	**14·6**	**15·8**
23	...	...	...	...	...	·5	·8	·3	·1	...	...	...	...	...	...	·1	1·3	1·6	·1	...	·1	1·3	·6	·1	6·9	7·0
24	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	0·2	(0·3)
30	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	(0·3)
Sum.	4·5	6·0	4·4	3·5	6·4	7·0	5·1	3·6	**8·7**	5·1	2·8	5·4	5·1	3·9	8·3	3·2	2·9	3·1	1·9	2·0	1·3	2·3	1·5	3·5	101·5	101·7
Total Duration.	hr. 4·5	hr. 5·7	hr. 5·7	hr. 4·7	hr. 5·7	hr. **6·6**	hr. 5·2	hr. 4·3	hr. 6·2	hr. 4·0	hr. 3·1	hr. 3·2	hr. 4·3	hr. 4·0	hr. 5·3	hr. 3·9	hr. 4·5	hr. 4·0	hr. 2·7	hr. 2·9	hr. 2·3	hr. 3·0	hr. 2·5	hr. 3·4	hr. 101·7	

126. Aberdeen : H_r = 13·4 metres + 0·6 metres. **December, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·1	...	...	...	0·3	1·0
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	(...)	(...)	(...)	(·1)	(...)	(...)	0·3	1·4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	·2	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·1
7	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	...	...	·2	...	...	...	...	...	...	0·7	2·2
8	...	·1	·2	·1	·1	...	·4	·2	·2	·1	...	...	·5	·6	·8	·4	·2	·1	·1	...	...	·1	·1	·1	4·4	10·2
9	...	·2	·2	·2	·2	·1	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	·5	·7	·4	3·1	8·3
10	·1	...	·4	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	1·3	3·0
11	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·1	...	...	0·3	1·0
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	0·2	(0·6)
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	1·4	2·2	2·3	1·2	·3	·2	...	*△	(·1)	*△	(·1)	*△	(·1)	...	...	...	...	...	(*)	(*)	(·4)	(·4)	(·2)	(·2)	(9·1)	(8·0)
16	(·1)	(*)	(*)	(*)	(*)	(*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(0·1)	(0·2)
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	(·3)	(·2)	(·1)	(·3)	(·2)	(·1)	(·2)	...	...	(·1)	(·1)	(·1)	...	(1·7)	(4·2)
19	(·1)	(·1)	...	...	...	...	...	...	...	(*)	(·1)	(*)	(·1)	(·1)	(*)	(·1)	(·4)	(·1)	...	(·4)	(·3)	(·4)	(·4)	(·4)	(3·0)	(5·2)
20	(·6)	(·6)	(1·0)	(·8)	(·6)	(·6)	(·6)	(·4)	(·4)	(·4)	(·4)	(·3)	(·2)	(·2)	(·2)	(·2)	(·2)	(·1)	(·1)	(*)	(·1)	(·1)	(*)	(·1)	(8·2)	(9·6)
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	·4	·1	...	·4	1·0	(1·8)
22	·5	·2	·1	·2	·4	·2	·1	...	...	...	·1	·7	2·2	·9	1·9	2·4	2·3	1·1	1·2	1·1	·8	1·0	·6	·6	**18·6**	**16·0**
23	·5	·1	...	·5	·6	·5	·2	·6	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	3·4	(6·3)
24	...	...	...	...	...	...	...	(·1)	(*)	(*)	(*)	(*)	(*)	(·1)	(*)	(*)	(*)	(*)	(*)	(·1)	(*)	(*)	(*)	(*)	(0·3)	(1·3)
25	(*)	(*)	(·1)	(*)	(*)	(*)	(*)	...	...	...	...	(·2)	(·3)	(·3)	(·3)	(·1)	(·3)	(·2)	(*)	(·2)	(·1)	(·1)	(·2)	(·1)	(2·5)	(4·8)
26	(·1)	(·1)	(·2)	(·2)	(*)	(·1)	(·1)	(·3)	(·3)	(·3)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(·1)	(*)	(·1)	(*)	(*)	(*)	(*)	(1·9)	(3·6)
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	·2	...	...	·3	...	...	...	...	...	(·1)	...	...	...	...	0·6	(1·2)
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	0·3	0·9
Sum.	3·5	3·6	**4·5**	3·6	2·3	1·7	1·4	1·6	1·4	1·0	1·8	1·6	4·0	2·7	3·6	3·9	4·0	2·3	1·4	2·0	2·4	3·2	2·4	2·5	62·4	91·9
Total Duration.	hr. 4·4	hr. 4·2	hr. 4·8	hr. 5·6	hr. 4·3	hr. 3·2	hr. 2·4	hr. 2·8	hr. 2·7	hr. 1·3	hr. 2·2	hr. 2·7	hr. 5·2	hr. 4·8	hr. 4·0	hr. 5·0	hr. 4·8	hr. 4·9	hr. 1·6	hr. 3·3	hr. 4·0	hr. **5·8**	hr. 4·0	hr. 3·9	hr. 91·9	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

127. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **January, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	·2	·2	...	...	—	—	—	—	—	0·4	6
2	—	—	—	—	—	...	...	·7	·7	1·0	1·0	·6	...	—	—	—	—	—	4·0	60
3	—	—	—	—	—	...	·1	·9	1·0	1·0	1·0	·9	...	—	—	—	—	—	4·9	73
4	—	—	—	—	—	...	...	...	...	·1	·1	·1	...	—	—	—	—	—	0·3	4
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	·2	1·0	1·0	·7	·9	...	...	—	—	—	—	—	3·8	56
7	—	—	—	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	—	**5·9**	**86**
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	...	·1	·6	...	...	...	...	—	—	—	—	—	0·7	10
10	—	—	—	—	—	...	·3	·3	·1	·3	1·0	·6	...	—	—	—	—	—	2·6	37
11	—	—	—	—	—	...	·1	·7	·3	...	...	·3	...	—	—	—	—	—	1·4	20
12	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1
13	—	—	—	—	—	...	...	·1	...	...	...	...	...	—	—	—	—	—	0·1	1
14	—	—	—	—	—	...	...	...	...	·4	·6	·9	...	—	—	—	—	—	1·9	26
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
16	—	—	—	—	—	...	·7	·6	1·0	1·0	·4	·6	...	—	—	—	—	—	4·3	59
17	—	—	—	—	—	...	...	·3	·7	·8	·8	·1	...	—	—	—	—	—	2·7	36
18	—	—	—	—	—	...	·9	·7	·7	·9	·4	·2	...	—	—	—	—	—	3·8	51
19	—	—	—	—	—	...	·3	1·0	1·0	·5	1·0	·9	·1	—	—	—	—	—	4·8	64
20	—	—	—	—	—	...	...	...	·6	1·0	1·0	·8	...	—	—	—	—	—	3·4	45
21	—	—	—	—	—	...	...	·1	·6	1·0	1·0	·2	...	—	—	—	—	—	2·9	38
22	—	—	—	—	—	...	·4	·1	1·0	1·0	·9	·8	...	—	—	—	—	—	4·2	55
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
25	—	—	—	—	—	...	...	...	...	...	·1	·1	...	—	—	—	—	—	0·2	3
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	·3	·5	·6	1·0	·8	...	—	—	—	—	—	3·2	40
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	...	...	...	...	...	...	...	·3	·3	...	—	—	—	—	0·6	7
30	—	—	—	—	...	...	...	·3	·9	...	·1	...	...	...	—	—	—	—	1·3	16
31	—	—	—	—	...	...	...	·3	...	·3	·7	·4	...	...	—	—	—	—	1·7	20
Sum.	—	—	—	—	...	...	3·9	8·5	11·8	11·8	**13·2**	9·6	0·4	...	—	—	—	—	59·2	—
Mean.	—	—	—	—	...	...	·13	·27	·38	·38	**·43**	·31	·01	...	—	—	—	—	1·91	26

128. Aberdeen : h_s = 20·7 metres. **February, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	·4	·9	1·0	1·0	·5	·7	·1	...	—	—	—	—	4·6	55
2	—	—	—	—	...	·9	1·0	1·0	1·0	1·0	·9	...	...	...	—	—	—	—	5·8	69
3	—	—	—	—	...	...	·5	·7	...	...	·1	·5	...	...	—	—	—	—	1·8	21
4	—	—	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	·9	·5	...	—	—	—	—	7·3	**86**
5	—	—	—	—	...	...	...	·1	...	...	...	...	...	...	—	—	—	—	0·1	1
6	—	—	—	—	...	·9	·7	...	...	...	1·0	1·0	·4	...	—	—	—	—	4·0	46
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	·5	·3	...	·5	·4	...	—	—	—	—	1·7	19
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
10	—	—	—	—	...	...	...	...	...	·1	·4	·8	·1	...	—	—	—	—	1·4	16
11	—	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	7·0	77
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	...	·1	1·0	1·0	1·0	·9	·1	...	...	...	—	—	—	—	4·1	45
14	—	—	—	—	...	·7	·9	1·0	·6	...	·2	·7	·5	...	—	—	—	—	4·6	49
15	—	—	—	—	...	...	...	...	...	·3	·1	·2	·5	...	—	—	—	—	1·1	12
16	—	—	—	—	...	·1	1·0	·4	·2	...	...	...	...	...	—	—	—	—	1·7	18
17	—	—	—	—	...	...	...	...	·1	·4	·4	·5	...	...	—	—	—	—	1·4	15
18	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	—	—	**7·5**	78
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
20	—	—	—	—	...	·8	·6	·5	1·0	·2	·7	...	...	...	—	—	—	—	3·8	39
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
22	—	—	—	—	...	...	...	...	...	...	...	·1	·1	...	—	—	—	—	0·2	2
23	—	—	—	—	...	...	...	...	·3	1·0	·7	·9	·1	...	—	—	—	—	3·0	30
24	—	—	—	—	...	·5	·8	1·0	1·0	1·0	1·0	1·0	·8	...	...	—	—	—	7·1	70
25	—	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	—	—	—	0·1	1
26	—	—	—	...	...	...	...	...	...	·2	...	·1	...	...	...	—	—	—	0·3	3
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
Sum.	—	—	—	...	0·3	6·4	**9·9**	9·7	9·7	9·4	9·1	**9·9**	4·2	...	...	—	—	—	68·6	—
Mean	—	—	—	...	·01	·23	**·35**	·35	·35	·34	·33	**·35**	·15	...	...	—	—	—	2·45	26

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

129. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **March, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
2	—	—	—	...	...	·4	·9	·4	·7	·1	·2	·5	...	...	...	—	—	—	3·2	30
3	—	—	—	...	...	·3	·9	·8	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	7·5	**71**
4	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
5	—	—	—	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	—	0·1	1
6	—	—	—	...	...	...	...	·5	·6	·2	·4	·5	·2	...	...	—	—	—	2·4	22
7	—	—	—	...	...	·5	1·0	·4	...	·1	1·0	1·0	1·0	·9	...	—	—	—	5·9	54
8	—	—	—	...	...	...	...	...	...	...	...	...	·2	·4	...	—	—	—	0·6	5
9	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
10	—	—	—	...	·1	·1	...	...	·6	·3	·7	·6	·8	·7	...	—	—	—	3·9	35
11	—	—	—	...	...	·3	...	·3	·6	·6	·7	·5	·5	·1	...	—	—	—	3·6	32
12	—	—	—	...	·7	·9	·8	·1	...	·2	·5	1·0	1·0	·9	...	—	—	—	6·1	54
13	—	—	—	...	...	·2	·2	·7	·8	·7	·5	·2	·1	·1	...	—	—	—	3·5	30
14	—	—	—	...	·2	·7	·5	·7	·8	·9	·4	·1	1·0	·3	...	—	—	—	5·6	48
15	—	—	—	...	...	...	...	...	...	...	·4	...	...	...	...	—	—	—	0·4	3
16	—	—	—	...	...	...	...	·1	·1	...	...	...	...	...	...	—	—	—	0·2	2
17	—	—	—	...	...	·3	·5	·4	·1	·4	·1	·9	·7	...	...	—	—	—	3·4	29
18	—	—	—	...	·4	1·0	1·0	1·0	1·0	·9	...	...	·1	...	...	—	—	—	5·4	45
19	—	—	—	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	·5	·3	—	—	—	**7·8**	65
20	—	—	—	...	·9	·2	...	...	·3	·5	·6	·4	·2	...	...	—	—	—	3·1	26
21	—	—	...	...	...	·3	·9	1·0	1·0	1·0	1·0	·8	·3	...	...	...	—	—	6·3	52
22	—	—	...	...	...	·1	...	·1	·4	...	·5	·9	1·0	·6	·4	...	—	—	4·0	33
23	—	—	...	...	...	...	...	·8	·8	·3	·1	...	...	...	...	...	—	—	2·0	16
24	—	—	...	...	·6	·9	·9	·4	·4	·6	·2	·1	·2	...	...	...	—	—	4·3	35
25	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
26	—	—	...	...	...	...	...	...	...	...	·6	...	·2	...	...	...	—	—	0·8	6
27	—	—	...	...	·2	·7	·5	·3	·8	·9	·2	...	...	...	...	...	—	—	3·6	29
28	—	—	...	...	·1	...	·4	·6	·8	·1	...	·1	·2	·2	...	...	—	—	2·5	20
29	—	—	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	—	—	0·2	2
30	—	—	...	...	...	...	...	...	·2	·5	·4	·5	·4	·7	·6	...	—	—	3·3	26
31	—	—	...	·9	1·0	1·0	1·0	1·0	·8	·5	·4	·2	...	·3	·1	...	—	—	7·2	56
Sum.	—	—	...	0·9	4·2	8·1	10·4	10·6	**12·8**	10·8	11·1	10·3	10·1	6·2	1·4	...	—	—	96·9	—
Mean.	—	—	...	·03	·14	·26	·34	·34	**·41**	·35	·36	·33	·33	·20	·05	...	—	—	3·13	27

130. Aberdeen : h_s = 20·7 metres. **April, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	·5	·8	·8	1·0	·7	·3	·4	...	...	...	·1	·2	...	—	—	4·8	37
2	—	—	...	·1	·6	·9	1·0	·8	·9	·7	·3	...	...	...	...	...	—	—	5·3	40
3	—	—	...	...	1·0	1·0	1·0	·8	·2	·3	·1	...	...	...	...	...	—	—	4·4	33
4	—	—	...	·2	1·0	·8	·4	·4	·5	1·0	·9	·2	·3	...	...	...	—	—	5·7	43
5	—	—	...	...	·1	...	...	·7	1·0	·7	·3	1·0	·3	·3	·1	...	—	—	4·5	34
6	—	—	...	·8	·9	1·0	1·0	·8	·6	·8	·4	·4	...	...	...	...	—	—	6·7	50
7	—	—	...	·2	·8	1·0	1·0	·4	·5	·3	·5	·5	·2	·1	...	...	—	—	5·5	41
8	—	—	·3	1·0	1·0	1·0	1·0	·8	·6	·7	·8	·6	·7	·8	·5	...	—	—	9·8	72
9	—	—	...	...	·3	·4	·8	·8	·8	·8	·7	·8	·8	·7	·1	...	—	—	7·0	51
10	—	—	...	·1	·6	·5	·3	·5	1·0	·9	·9	·3	·1	·9	·4	...	—	—	6·5	47
11	—	—	...	...	...	·2	·4	·9	·6	·4	·6	·4	·6	·5	·2	...	—	—	4·8	35
12	—	—	...	·4	·2	·9	·1	...	...	...	...	...	...	·5	·6	...	—	—	2·7	19
13	—	—	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	—	—	0·2	1
14	—	—	·3	1·0	1·0	1·0	·8	·8	·1	·7	...	...	·7	...	·7	·5	—	—	7·6	54
15	—	...	...	·3	·7	·3	·1	·4	1·0	·3	·8	·5	·9	1·0	·9	·2	...	—	7·4	52
16	—	...	...	...	·1	·2	·2	·5	·2	·7	·1	·2	·1	...	...	...	...	—	2·3	16
17	—	...	...	1·0	1·0	1·0	1·0	·6	...	·5	·5	·3	...	...	...	...	...	—	5·9	41
18	—	...	...	·2	...	·1	·1	·7	·8	·2	·1	·1	...	...	...	...	...	—	2·3	16
19	—	...	...	...	...	...	...	...	·1	·2	·4	1·0	·9	·9	·9	...	...	—	4·4	30
20	—	...	...	...	...	·1	·6	·3	·4	·5	·6	·1	·1	·6	...	...	...	—	3·3	23
21	—	...	...	...	...	·2	·5	...	...	·1	...	...	...	...	...	...	...	—	0·8	5
22	—	...	·2	·3	...	·1	·8	·2	...	·2	...	...	·5	·5	·8	·8	...	—	4·4	30
23	—	...	...	...	·5	·9	·9	1·0	·9	·3	·6	·4	·2	...	...	...	...	—	5·7	39
24	—	...	·4	·2	·2	·4	·2	·8	·9	·8	·9	·5	...	...	...	...	...	—	5·3	36
25	—	...	1·0	·9	...	...	...	...	...	..	..	·2	·2	·2	·3	·2	...	—	3·0	20
26	—	...	...	·3	·6	·8	·7	·7	1·0	1·0	1·0	1·0	·4	...	...	...	...	—	7·5	50
27	—	...	...	...	·8	1·0	·8	·9	·7	·7	·8	1·0	1·0	·9	·9	·4	...	—	9·9	66
28	—	...	1·0	1·0	·7	·9	1·0	1·0	1·0	·9	·6	·5	·1	...	...	...	...	—	8·7	57
29	—	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·7	...	...	—	**12·7**	**84**
30	—	·2	1·0	1·0	1·0	1·0	1·0	·4	·3	·2	·7	·2	...	...	...	...	...	—	7·0	46
Sum.	—	0·5	5·1	10·5	14·9	17·5	**17·7**	16·9	15·4	15·4	13·7	11·2	9·1	8·8	7·3	2·1	...	—	166·1	—
Mean.	—	·02	·17	·35	·50	·58	**·59**	·56	·51	·51	·46	·37	·30	·29	·24	·07	...	—	5·54	39

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

131. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **May, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	·8	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	**13·6**	**88**
2	—	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	—	0·2	1
3	—	...	·8	·6	·4	·7	·5	·2	...	...	...	...	...	...	...	...	...	—	3·2	21
4	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
5	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
7	—	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	—	0·2	1
8	—	...	...	...	·1	·5	...	·5	1·0	1·0	1·0	·9	...	...	...	...	...	—	5·0	31
9	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
10	—	...	...	...	...	·1	...	...	...	·1	...	...	...	...	...	...	...	—	0·2	1
11	—	...	·3	1·0	1·0	1·0	1·0	·5	·6	1·0	·7	·6	·7	·9	·6	·4	...	...	10·3	64
12	...	...	...	...	·2	...	·1	...	·1	·1	·1	·1	...	...	·1	...	...	...	0·8	5
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	·1	·1	·1	...	·3	·7	·1	·5	1·0	·2	·2	·8	...	...	...	...	4·1	25
16	...	·1	·6	·7	·8	·4	...	...	...	...	...	...	...	...	...	...	...	...	2·6	16
17	...	·3	·9	·8	·4	·9	·4	...	...	·6	·9	1·0	1·0	1·0	1·0	·9	...	...	11·1	67
18	...	·4	1·0	1·0	1·0	1·0	1·0	·9	1·0	·5	·3	·2	·2	·1	...	...	...	...	8·6	52
19	...	·8	1·0	1·0	·9	·7	·1	...	...	...	·7	·1	·7	·3	...	...	...	...	6·3	38
20	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·7	·2	...	...	1·8	11
21	...	·8	·7	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	...	1·7	10
22	...	...	·2	·4	·3	·8	·7	·5	·7	·4	·1	·8	·8	·9	1·0	1·0	·3	...	8·9	53
23	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	5
24	...	...	...	...	...	...	...	·6	·7	1·0	1·0	·8	1·0	1·0	·6	·2	...	...	6·9	41
25	...	...	...	...	·1	...	·1	·2	·3	·4	·3	·8	·5	·9	·9	1·0	·7	...	6·2	36
26	...	...	...	...	·3	·3	·3	·1	·3	·1	·1	·2	·2	...	...	·2	...	...	2·1	12
27	...	...	...	...	·1	·9	·1	...	·2	·4	·3	·2	...	·1	·2	...	...	...	2·5	15
28	...	·1	·6	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·1	6
29	...	·4	·7	·3	·5	·4	·3	·6	·4	·3	...	...	...	·1	...	·1	·1	...	4·2	24
30	...	...	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2
31	...	...	...	...	...	...	·2	·4	·2	...	...	...	·9	·1	...	...	...	...	1·8	10
Sum.	...	3·6	8·1	7·2	7·3	**8·8**	6·0	6·4	6·7	7·4	7·5	7·0	7·3	8·0	6·1	5·1	2·1	...	104·6	—
Mean	...	·12	·26	·23	·24	**·28**	·19	·21	·22	·24	·24	·23	·24	·26	·20	·16	·07	...	3·37	21

132. Aberdeen : h_s = 20·7 metres. **June, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1
2	...	...	...	...	...	...	·7	...	...	...	·7	·5	·5	·5	·2	...	...	...	3·1	18
3	·1	1·0	1·0	1·0	1·0	1·0	·8	·5	·2	·4	·2	·8	·3	·9	·5	·6	...	...	10·3	59
4	·2	·5	·2	...	·1	·6	·2	·1	·1	·3	·2	·1	...	...	...	·9	·8	·3	4·6	26
5	...	...	...	·1	·2	·4	·8	·9	·8	·9	·8	·1	·2	·5	·5	1·0	·3	...	7·5	43
6	...	·1	·2	·4	·8	·5	·5	·8	·2	·5	·2	·2	·1	·5	...	...	...	...	5·0	29
7	...	...	·2	·4	1·0	1·0	1·0	·8	1·0	·7	·9	·9	·8	·2	·1	...	...	...	9·0	51
8	...	...	...	...	...	...	...	·7	·6	·3	·2	·1	...	...	...	...	...	...	1·9	11
9	·2	·9	·9	·8	1·0	1·0	·6	·9	·8	·3	·6	·6	·8	·5	·8	·6	·7	...	12·0	68
10	...	·5	1·0	·3	·3	...	...	...	·1	...	·4	·1	·2	...	...	·2	·4	...	3·5	20
11	...	1·0	1·0	1·0	1·0	1·0	·8	·8	·1	...	...	...	·2	...	...	...	...	...	6·9	39
12	...	·7	·9	1·0	1·0	1·0	·9	·9	·4	·7	·1	...	·1	...	...	...	...	...	7·7	44
13	...	...	·2	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·3	2
14	·4	1·0	1·0	1·0	·7	·8	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	**16·0**	**90**
15	·3	·1	...	·5	·5	·8	1·0	1·0	1·0	1·0	1·0	·9	...	·7	·6	...	...	...	9·4	53
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	·7	·8	·1	...	·4	·1	·4	·9	·1	·4	·8	·4	·1	5·2	29
18	·1	·3	·9	·7	...	...	·1	·3	·6	1·0	·8	1·0	·8	·2	·1	·9	·2	...	8·0	45
19	...	...	...	·1	·9	·7	...	·1	·2	·4	·5	...	...	·4	...	·8	...	...	4·1	23
20	·2	·3	1·0	·2	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	2·0	11
21	...	...	...	·8	·8	·1	·5	·2	...	...	...	·5	·6	·3	·1	...	...	...	3·9	22
22	·1	·7	1·0	1·0	·4	·6	·4	·3	·7	·7	·8	·8	·7	...	...	...	...	...	8·2	46
23	...	...	...	...	...	...	...	...	...	·5	·9	·8	·1	·6	·6	·2	·1	...	3·8	21
24	...	...	...	...	...	...	...	...	·4	·6	·2	·1	...	·3	·7	1·0	·3	...	3·6	20
25	...	...	...	...	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·5	3
26	...	...	...	...	...	...	...	·2	·6	·8	·7	·5	...	...	...	...	...	...	2·8	16
27	...	...	...	...	...	...	...	...	·5	·4	...	...	...	...	...	...	...	...	0·9	5
28	...	...	...	...	...	...	...	...	...	·9	·3	·4	·7	·3	...	·9	·7	...	4·2	24
29	·1	·9	·6	1·0	1·0	1·0	1·0	1·0	1·0	·7	·1	1·0	·7	·1	·8	·4	...	...	11·4	64
30	...	...	·3	·2	...	...	...	...	·3	·1	·3	...	...	...	...	...	...	...	1·2	7
Sum.	1·7	8·0	10·4	10·6	10·9	11·9	10·9	10·5	10·6	**12·6**	11·0	10·8	8·8	7·1	6·4	9·3	4·9	0·8	157·2	—
Mean	0·5	·27	·35	·35	·36	·40	·36	·35	·35	**·42**	·37	·36	·29	·24	·21	·31	·16	·03	5·24	30

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

133. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **July, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	·5	·9	1·0	1·0	1·0	1·0	1·0	·9	·2	...	...	...	...	...	...	...	7·5	42
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	1
3	...	...	...	...	...	·1	1·0	1·0	·2	·4	·9	·9	1·0	1·0	1·0	1·0	·4	...	8·9	50
4	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	0·3	2
5	...	...	·2	·5	1·0	1·0	·9	1·0	...	...	...	...	...	...	...	...	...	...	4·6	26
6	...	·8	1·0	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	14·7	84
7	...	...	...	...	·5	·5	...	...	...	...	...	...	...	...	...	...	...	...	1·0	6
8	...	...	...	...	1·0	1·0	·9	·7	·4	·2	·1	·7	...	...	·1	...	...	...	5·1	29
9	...	...	...	·3	1·0	1·0	·6	·6	1·0	1·0	·8	1·0	1·0	1·0	1·0	·9	·6	...	11·8	67
10	...	·9	·6	·3	...	·4	1·0	·8	·5	·5	·4	·1	...	...	...	...	...	...	5·5	31
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	·1	...	·2	...	·2	...	...	...	...	0·5	3
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	·5	1·0	1·0	1·0	·7	·9	1·0	·3	...	...	6·4	37
15	...	...	...	...	...	...	...	...	...	·4	1·0	·1	...	...	...	·1	·5	...	2·1	12
16	...	·1	1·0	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	·3	**15·3**	**89**
17	...	...	...	...	·4	1·0	·9	·9	1·0	·6	...	·1	·1	...	·4	·1	...	...	5·5	32
18	...	·2	·4	...	·5	·4	...	·1	·1	·1	...	·7	·5	·9	1·0	1·0	·8	...	6·7	39
19	...	...	...	...	...	·1	...	·3	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	8·1	47
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	·5	·5	·9	·4	·6	·9	·2	...	...	...	...	...	...	...	4·0	24
24	...	...	...	...	...	·2	·1	1·0	·8	·1	·2	·1	...	...	·1	·1	...	...	2·7	16
25	...	...	...	...	...	...	...	...	...	·6	·7	...	...	...	·5	·4	...	...	2·2	13
26	...	...	...	...	...	·9	1·0	·5	·4	·5	...	...	...	...	...	...	...	...	3·3	20
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	1
29	...	...	...	...	·3	·4	·3	·6	·8	1·0	1·0	·8	·9	1·0	·9	·9	...	...	8·9	54
30	...	...	...	·1	...	...	...	·1	...	·5	·2	...	...	...	...	...	...	...	0·9	5
31	...	·2	·8	·5	·6	·5	·5	...	·8	·9	·9	·5	1·0	1·0	·8	·5	·4	...	9·9	61
Sum.	...	2·2	4·5	4·4	8·7	10·9	11·1	11·0	11·0	**12·7**	10·6	9·2	8·5	9·1	9·8	8·2	3·9	0·3	136·1	—
Mean.	...	·07	·15	·14	·28	·35	·36	·35	·35	**·41**	·34	·30	·27	·29	·32	·26	·13	·01	4·39	26

134. Aberdeen : h_s = 20·7 metres. **August, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·5	·7	·7	1·0	1·0	1·0	·2	...	11·8	73
2	...	·2	·7	·2	·3	·7	·9	·8	·7	·9	·8	1·0	1·0	·4	·5	...	...	...	9·1	56
3	...	...	...	·1	...	...	·1	·1	·1	·1	1·0	·9	1·0	·6	·9	·7	·2	—	5·8	36
4	—	...	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	...	—	8·7	54
5	—	...	...	...	...	...	...	...	·1	...	·1	·3	·7	1·0	·4	...	...	—	2·6	16
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
7	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	—	0·1	1
8	—	...	...	·2	·3	...	...	...	·1	...	...	...	...	...	...	...	...	—	0·6	4
9	—	...	...	...	...	...	...	·4	·9	1·0	1·0	1·0	·1	...	...	...	...	—	4·4	28
10	—	...	...	...	...	...	...	·6	·8	·8	·9	1·0	1·0	1·0	1·0	·8	...	—	7·9	51
11	—	...	...	...	...	...	...	...	...	·7	...	·1	·2	·3	...	·1	...	—	1·4	9
12	—	...	...	...	...	...	...	...	...	...	...	·2	...	...	·3	·8	...	—	1·3	8
13	—	...	·4	·1	...	...	...	...	·3	·1	...	...	...	·5	·5	...	...	—	1·9	12
14	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
15	—	...	·1	·4	·9	·7	·8	·8	·5	·6	1·0	1·0	·5	·3	·4	·6	...	—	8·6	56
16	—	...	·5	·6	·1	·6	·2	·1	·6	·1	·2	...	·3	...	...	...	...	—	3·3	22
17	—	...	...	...	·2	·7	·4	·5	...	·7	1·0	1·0	·3	·6	·4	·2	...	—	6·0	40
18	—	...	...	...	...	...	·7	1·0	1·0	·9	·4	...	·1	·1	...	...	...	—	4·2	28
19	—	...	...	...	1·0	·6	·9	·9	·9	1·0	1·0	1·0	·2	·5	...	...	...	—	8·0	53
20	—	...	·8	·6	·8	·6	·9	·9	...	·3	...	·2	...	...	...	...	...	—	5·1	34
21	—	...	...	...	·4	·3	·6	1·0	·6	·8	1·0	1·0	·8	·5	1·0	·5	...	—	8·5	57
22	—	...	...	...	...	·4	·9	·9	·6	1·0	1·0	·8	·1	...	...	...	...	—	5·7	39
23	—	...	...	...	·3	·6	...	...	·1	...	·2	...	·5	·5	·7	·1	...	—	3·0	21
24	—	...	...	...	·1	...	...	·1	...	...	·5	1·0	1·0	1·0	·9	...	...	—	4·6	31
25	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	—	**12·1**	**83**
26	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
27	—	...	...	·2	·8	·3	·6	·6	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	...	—	8·6	60
28	—	...	...	...	...	·5	·1	·7	·9	1·0	·9	·8	·3	·5	·3	·6	...	—	6·6	46
29	—	...	...	·4	·3	1·0	1·0	1·0	·9	·8	·8	1·0	·8	·9	·8	·1	...	—	9·8	69
30	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·8	·2	—	—	11·6	82
31	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·1	1
Sum.	...	0·2	3·0	5·3	8·5	10·6	12·2	14·4	14·1	15·8	16·3	**17·0**	13·6	13·5	10·7	5·8	0·4	...	161·4	—
Mean.	...	·01	·10	·17	·27	·34	·39	·46	·45	·51	·53	**·55**	·44	·44	·35	·19	·01	...	5·21	34

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

135. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **September, 1927.**

Hour. L.A.T.	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.	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	—	—	...	...	...	...	...	...	...	·7	·7	...	...	...	...	...	—	—	1·4	10
2	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·3	·1	...	...	—	—	9·1	65
3	—	—	...	...	·3	·9	1·0	·7	·7	·9	1·0	1·0	·9	·5	·1	...	—	—	8·0	58
4	—	—	...	·6	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	...	—	—	**11·2**	82
5	—	—	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	—	—	0·5	4
6	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
7	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	—	—	0·2	1
8	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
9	—	—	...	...	...	...	...	...	...	...	...	·6	1·0	·6	·1	...	—	—	2·3	17
10	—	—	...	...	...	·2	·2	·2	·5	...	...	...	·2	...	...	...	—	—	1·3	10
11	—	—	...	...	·1	·1	·4	·6	·5	·3	·4	·7	·9	·7	·5	...	—	—	5·2	40
12	—	—	...	...	·2	·2	·2	...	·2	...	·1	...	...	·1	...	...	—	—	1·0	8
13	—	—	...	...	·4	·4	...	...	·3	·1	...	...	...	...	...	...	—	—	1·2	9
14	—	—	...	·4	·7	·9	·7	·6	·8	·7	·5	·6	·6	·6	·3	...	—	—	7·4	57
15	—	—	...	·7	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	10·9	**85**
16	—	—	...	·2	·6	...	...	...	...	...	...	...	...	...	...	...	—	—	0·8	6
17	—	—	...	·9	1·0	1·0	·7	...	...	·1	·3	·8	·8	·7	·6	...	—	—	6·9	54
18	—	—	...	·6	·5	...	·5	·7	·5	1·0	·6	·3	·6	...	...	...	—	—	5·3	42
19	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
20	—	—	...	·1	...	·8	·3	·2	...	·1	·6	·1	...	...	...	...	—	—	2·2	18
21	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
22	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
23	—	—	...	...	...	...	...	...	...	·2	·1	·1	·1	...	...	...	—	—	0·5	4
24	—	—	...	...	...	...	·1	·1	·4	·2	·7	·8	·9	1·0	...	—	—	—	4·2	35
25	—	—	—	...	...	...	...	·2	...	...	...	...	...	...	...	—	—	—	0·2	2
26	—	—	—	...	...	·1	...	·1	·4	·1	·2	...	...	...	...	—	—	—	0·9	8
27	—	—	—	...	...	·4	·9	·1	...	·4	·4	·7	...	...	...	—	—	—	2·9	24
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
29	—	—	—	...	...	...	...	...	...	...	·3	1·0	·9	·8	·3	—	—	—	3·3	28
30	—	—	—	·1	·1	·1	·8	...	...	...	·3	·1	...	...	...	—	—	—	1·5	13
Sum.	—	—	...	4·5	6·9	8·4	8·6	6·5	7·3	7·8	9·1	**9·7**	9·2	7·0	3·2	0·2	—	—	88·4	—
Mean.	—	—	...	·15	·23	·28	·29	·22	·24	·26	·30	**·32**	·31	·23	·11	·01	—	—	2·95	23

136. Aberdeen : h_s = 20·7 metres. **October, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	·1	·2	·8	·1	...	...	...	...	·7	·4	...	—	—	—	2·3	20
2	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
3	—	—	—	·2	1·0	1·0	1·0	1·0	·4	·9	1·0	1·0	·7	·9	...	—	—	—	9·1	80
4	—	—	—	...	·5	1·0	·9	·8	1·0	·9	1·0	1·0	1·0	·3	...	—	—	—	8·4	74
5	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	...	—	—	—	8·6	77
6	—	—	—	...	...	...	...	...	...	...	·2	·2	·2	...	...	—	—	—	0·6	5
7	—	—	—	...	·8	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·6	...	—	—	—	**9·3**	84
8	—	—	—	...	·7	1·0	1·0	1·0	1·0	·8	·1	1·0	·2	...	...	—	—	—	6·8	62
9	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
12	—	—	—	...	...	...	...	...	·5	...	...	...	...	...	...	—	—	—	0·5	5
13	—	—	—	...	...	...	...	...	·4	·5	...	...	...	...	...	—	—	—	0·9	8
14	—	—	—	...	...	...	...	...	...	·1	·1	...	...	...	...	—	—	—	0·2	2
15	—	—	—	...	...	·3	...	...	...	...	...	...	...	...	...	—	—	—	0·3	3
16	—	—	—	...	·1	·6	·4	·4	...	...	...	...	...	...	...	—	—	—	1·5	15
17	—	—	—	...	·4	·4	·3	·3	·3	...	·4	·9	1·0	·3	...	—	—	—	4·3	42
18	—	—	—	...	·6	1·0	1·0	·6	·7	·1	·5	...	...	...	...	—	—	—	4·5	44
19	—	—	—	...	...	·3	1·0	1·0	·9	1·0	·7	·8	·6	...	...	—	—	—	6·3	62
20	—	—	—	—	·6	1·0	1·0	1·0	·9	·8	·9	1·0	·6	·5	—	—	—	—	8·3	83
21	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	—	8·4	**85**
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
25	—	—	—	—	...	...	...	...	...	...	...	·1	·7	·1	—	—	—	—	0·9	9
26	—	—	—	—	...	...	...	...	...	...	·4	·8	·7	·2	—	—	—	—	2·1	22
27	—	—	—	—	...	·8	·9	1·0	1·0	1·0	·9	·1	1·0	·4	—	—	—	—	7·1	75
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
29	—	—	—	—	...	·9	·9	1·0	1·0	1·0	·6	1·0	·9	...	—	—	—	—	7·3	78
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
31	—	—	—	—	...	...	...	...	...	·2	...	·7	·9	...	—	—	—	—	1·8	20
Sum.	—	—	—	0·2	5·8	11·5	**12·2**	11·2	11·1	10·2	9·8	11·6	11·9	4·0	...	—	—	—	99·5	—
Mean.	—	—	—	·01	·19	·37	**·39**	·36	·36	·33	·32	·37	·38	·13	...	—	—	—	3·21	31
Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

137. Aberdeen : h_s (height of recorder above ground) = 20·7 metres. **November, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
2	—	—	—	—	...	...	...	...	·1	·6	1·0	1·0	·9	...	—	—	—	—	3·6	40
3	—	—	—	—	...	...	...	...	...	...	·3	·6	·7	...	—	—	—	—	1·6	18
4	—	—	—	—	...	...	...	·7	·8	·9	1·0	1·0	·5	...	—	—	—	—	4·9	55
5	—	—	—	—	...	...	·1	·7	1·0	1·0	1·0	1·0	·6	...	—	—	—	—	5·4	61
6	—	—	—	—	...	1·0	1·0	·9	·8	·2	...	...	...	...	—	—	—	—	3·9	45
7	—	—	—	—	...	...	...	·2	·2	·1	·1	...	...	...	—	—	—	—	0·6	7
8	—	—	—	—	...	·6	·5	1·0	1·0	1·0	·9	1·0	·3	...	—	—	—	—	**6·3**	73
9	—	—	—	—	...	·2	·3	·2	...	·1	·3	·2	·1	...	—	—	—	—	1·4	16
10	—	—	—	—	...	...	·3	·2	·3	·2	·3	...	...	...	—	—	—	—	1·3	15
11	—	—	—	—	...	·1	·5	·8	1·0	·8	·7	·1	...	...	—	—	—	—	4·0	48
12	—	—	—	—	...	...	·3	·5	1·0	·9	1·0	1·0	·3	...	—	—	—	—	5·0	60
13	—	—	—	—	...	·1	·1	·2	...	·6	·6	·4	...	...	—	—	—	—	2·0	24
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
15	—	—	—	—	—	·1	1·0	·9	1·0	·3	...	...	...	—	—	—	—	—	3·3	41
16	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	·9	·2	—	—	—	—	—	6·1	**81**
25	—	—	—	—	—	...	·1	·4	·8	·9	·1	...	...	—	—	—	—	—	2·3	31
26	—	—	—	—	—	...	...	...	...	·3	·1	...	...	—	—	—	—	—	0·4	5
27	—	—	—	—	—	...	...	...	...	·9	1·0	1·0	·1	—	—	—	—	—	3·0	41
28	—	—	—	—	—	...	...	...	...	·5	...	...	...	—	—	—	—	—	0·5	7
29	—	—	—	—	—	...	1·0	1·0	1·0	·8	·3	·4	...	—	—	—	—	—	4·5	62
30	—	—	—	—	—	...	...	·3	...	·6	·2	·4	...	—	—	—	—	—	1·5	21
Sum.	—	—	—	—	...	2·1	6·2	9·0	10·1	**11·7**	9·9	9·0	3·7	...	—	—	—	—	61·7	—
Mean.	—	—	—	—	...	·07	·21	·30	·34	**·39**	·33	·30	·12	...	—	—	—	—	2·06	25

138. Aberdeen : h_s = 20·7 metres. **December and Year, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
2	—	—	—	—	—	...	...	...	·2	1·0	·2	...	...	—	—	—	—	—	1·4	20
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	·1	1·0	·8	...	...	·7	...	—	—	—	—	—	2·6	39
14	—	—	—	—	—	...	·3	1·0	1·0	·9	1·0	·2	...	—	—	—	—	—	4·4	66
15	—	—	—	—	—	...	...	·1	·2	·4	·3	...	...	—	—	—	—	—	1·0	15
16	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	2
17	—	—	—	—	—	...	·3	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	—	**5·0**	**76**
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
25	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	2
26	—	—	—	—	—	...	...	·1	·7	·5	·7	...	...	—	—	—	—	—	2·0	30
27	—	—	—	—	—		·2	·2	·3	·8	1·0	·5	...	—	—	—	—	—	3·0	45
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
30	—	—	—	—	—	...	·1	·1	·1	·2	...	...	...	—	—	—	—	—	0·5	8
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
Sum.	—	—	—	—	—	...	1·0	3·5	4·4	**4·8**	4·3	2·1	...	—	—	—	—	—	20·1	—
Mean.	—	—	—	—	—	...	·03	·11	·14	**·15**	·14	·07	...	—	—	—	—	—	0·65	10
Annual Totals.	1·7	14·5	31·1	43·6	67·5	96·2	110·1	118·2	125·0	**130·4**	125·6	117·4	86·8	63·7	44·9	30·7	11·3	1·1	1219·8	—
Annual Mean.	·00	·04	·09	·12	·18	·26	·30	·32	·34	**·36**	·34	·32	·24	·17	·12	·08	·03	·00	3·34	27
Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

139. Aberdeen : Dines anemograph from Jan., 1926. H_a (height of anemograph above M.S.L.) = Height of ground above

Hour. G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	2·7	240	3·8	240	5·5	220	4·1	230	3·6	230	5·2	240	4·3	230	3·9	250	5·5	250	5·5	240	5·4	240	4·1
2	220	3·5	220	3·5	200	5·5	190	2·8	180	2·1	230	2·5	230	5·0	220	2·6	230	3·1	220	4·8	210	7·7	190	6·5
3	210	6·5	210	6·5	210	5·5	220	4·3	240	3·1	230	2·7	240	3·2	230	2·1	220	2·4	170	2·4	210	3·3	240	6·0
4	300	5·1	310	5·0	320	6·2	320	7·0	310	5·3	310	4·0	260	2·8	260	3·4	280	3·3	270	3·0	310	5·7	300	5·8
5	280	3·9	250	3·4	240	2·6	240	2·5	—	1·5	230	3·1	220	2·1	210	1·6	—	1·1	—	0·8	150	3·3	150	3·3
6	190	3·5	180	3·9	200	3·4	200	3·0	190	2·5	180	5·3	190	5·1	220	3·5	220	4·3	210	5·3	220	4·0	190	3·5
7	—	1·1	210	1·8	210	2·0	170	1·6	—	1·5	—	1·0	—	1·0	290	3·3	290	3·6	290	3·4	300	4·0	300	4·1
8	—	1·2	220	2·2	220	2·6	210	1·6	180	2·0	210	2·0	—	1·5	210	3·1	200	3·6	210	4·2	210	3·5	240	2·1
9	280	6·5	280	7·1	280	6·5	260	4·5	190	2·5	190	2·7	220	1·7	190	1·7	230	2·5	260	4·6	270	5·0	280	6·0
10	260	5·0	250	5·4	250	5·4	250	4·5	260	5·6	270	6·4	280	6·3	290	6·0	280	5·5	290	2·2	290	3·2	270	3·2
11	200	3·4	210	3·4	210	3·2	200	1·9	170	2·4	190	3·4	210	4·2	190	4·6	190	3·9	190	4·3	190	5·1	190	6·8
12	280	2·4	280	4·1	270	3·7	270	3·8	280	2·6	180	1·6	210	2·5	210	2·5	230	2·5	220	2·5	200	3·4	190	3·4
13	150	6·4	160	6·4	180	5·1	170	4·0	170	2·9	—	1·5	—	1·1	290	2·2	290	2·6	280	2·0	270	2·8	250	2·5
14	10	1·7	130	6·9	120	8·2	110	9·5	110	7·6	110	5·5	100	6·3	100	6·4	80	6·3	90	6·2	80	5·1	80	3·5
15	280	2·5	280	2·3	280	2·5	280	2·7	290	2·8	260	2·1	270	2·5	250	2·4	270	2·9	270	2·3	280	2·3	270	2·1
16	300	4·5	300	4·4	280	3·5	280	3·5	290	3·4	290	3·6	280	3·1	270	2·5	260	1·6	260	2·3	—	1·4	—	1·5
17	—	1·4	—	1·4	—	1·2	290	2·0	290	2·0	280	3·4	280	2·0	280	3·5	—	1·5	280	2·4	290	3·1	290	2·5
18	290	4·5	290	4·1	290	3·4	290	3·5	300	4·3	300	4·5	300	5·4	300	5·2	290	5·0	300	5·4	300	5·5	300	4·7
19	320	4·6	320	5·0	320	4·6	320	4·6	300	5·4	300	6·0	300	5·7	300	5·7	300	5·4	300	5·5	300	5·7	300	6·7
20	290	4·0	290	3·7	280	2·8	270	2·5	270	2·0	280	2·0	—	1·5	280	1·8	—	1·5	250	2·1	—	1·5	—	1·5
21	170	5·7	180	4·5	190	5·1	180	4·9	180	4·2	190	3·7	180	3·6	190	3·1	190	2·9	210	2·2	190	2·8	220	3·4
22	—	1·2	230	1·6	—	1·0	—	1·1	—	1·4	220	2·5	210	2·4	220	1·9	—	1·2	—	1·5	—	1·5	220	2·7
23	210	2·1	230	1·9	210	3·0	210	2·3	200	2·7	190	3·0	190	3·4	200	4·6	200	4·2	190	3·9	200	3·1	210	3·0
24	220	3·1	220	2·8	220	3·6	220	3·4	210	2·7	190	2·8	180	2·2	190	3·5	180	3·6	170	5·6	170	8·5	170	8·4
25	200	5·9	190	6·0	190	6·8	190	5·2	190	3·6	250	1·9	—	1·4	—	1·1	300	1·8	—	1·5	—	1·0	200	3·5
26	230	3·8	230	4·4	210	5·7	230	5·3	200	3·1	200	2·0	170	3·0	180	1·8	160	6·0	160	6·0	160	6·1	150	8·7
27	230	8·5	220	7·0	220	3·9	210	6·1	210	6·3	220	5·0	220	5·4	220	6·2	210	8·9	200	8·9	200	7·2	220	6·9
28	200	6·9	210	8·3	240	9·4	230	9·8	230	9·5	220	7·6	220	9·4	220	6·9	210	9·9	200	12·5	200	8·1	200	11·2
29	220	7·8	240	5·9	210	6·9	240	3·7	220	2·8	230	1·9	—	1·3	—	1·3	300	2·9	290	2·3	270	4·8	260	4·5
30	210	9·4	220	8·5	220	8·4	240	9·6	240	10·4	230	7·7	220	6·4	220	7·3	210	5·1	200	5·9	210	7·0	210	9·4
31	210	6·4	220	4·8	220	4·5	220	3·5	240	4·6	250	3·0	280	4·6	280	4·3	290	5·4	300	4·5	290	6·5	280	6·6
Mean ..	—	4·4	—	4·5	—	4·6	—	4·2	—	3·8	—	**3·5**	—	3·6	—	3·5	—	3·9	—	4·1	—	4·4	—	4·8

140. Aberdeen : H_a = 8 metres + 13 metres.

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

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 8 metres + 13 metres.

January, 1927.

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

February, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

141. Aberdeen : Dines anemograph from Jan. 1926. H_a (height of anemograph above M.S.L.) = Height of ground above

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

142. Aberdeen : H_a = 8 metres + 13 metres.

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

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 8 metres + 13 metres.

March, 1927.

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

April, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

143. Aberdeen : Dines anemograph from Jan. 1926. H_a (height of anemograph above M.S.L.) = Height of ground above

Hour. G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	270	2·2	270	1·6	—	1·1	260	1·7	—	1·2	—	1·5	—	1·5	230	1·7	200	2·1	140	5·1	150	5·6	160	5·8
2	160	4·5	160	4·5	160	5·6	150	6·4	160	6·0	160	6·0	150	6·6	150	7·4	150	7·4	150	8·1	150	8·7	150	9·0
3	170	4·0	200	2·9	200	2·9	210	3·2	210	3·4	210	3·7	210	3·9	210	5·1	220	5·4	210	5·0	180	5·5	190	5·1
4	190	1·6	—	0·8	—	1·3	—	1·1	—	0·6	—	0·5	—	1·0	—	1·0	30	2·3	40	2·2	20	4·9	20	4·5
5	360	7·0	360	6·1	360	6·1	10	6·0	360	5·4	350	4·7	350	5·0	10	6·4	360	5·8	10	6·6	10	6·5	20	6·5
6	50	3·0	60	3·0	70	3·3	—	1·3	100	2·6	90	2·0	110	2·5	130	3·1	130	3·0	140	3·8	140	4·3	150	4·7
7	190	3·4	190	2·7	190	2·7	190	3·1	190	2·7	200	3·0	180	2·5	190	2·4	140	2·6	140	3·7	150	4·0	160	4·0
8	170	2·8	180	2·9	180	2·5	190	2·1	—	1·5	—	1·0	—	0·7	—	0·6	110	2·2	110	2·7	100	3·4	120	4·1
9	60	4·1	60	4·5	70	3·9	70	4·4	70	4·8	70	5·8	60	5·4	60	5·5	60	5·4	60	5·1	60	5·0	60	5·1
10	340	2·9	340	2·8	350	3·6	350	3·9	340	3·3	330	3·1	350	4·1	360	5·6	360	6·0	360	5·7	20	6·1	30	6·4
11	290	2·3	290	2·5	280	2·5	270	2·0	260	2·2	—	1·4	270	2·3	240	2·7	250	3·0	290	2·5	310	4·3	310	6·1
12	300	5·8	300	5·7	300	6·8	340	5·2	350	5·5	340	4·3	350	5·3	360	6·6	360	6·6	360	6·6	350	6·7	350	6·4
13	310	3·5	300	3·8	310	3·6	320	3·7	320	2·5	300	2·8	300	4·5	310	4·0	320	4·0	320	3·0	300	3·6	290	3·8
14	200	3·5	190	3·5	180	3·9	170	3·9	170	4·1	160	5·4	160	5·6	160	5·5	160	5·5	160	4·8	160	5·4	160	4·2
15	—	0·8	—	1·1	240	1·6	280	1·7	290	2·6	290	4·7	290	5·3	280	4·2	230	2·1	120	4·1	130	4·9	140	3·9
16	280	1·7	—	1·1	290	1·6	300	2·5	300	2·5	300	2·0	360	2·5	30	5·4	30	4·9	30	5·5	40	6·1	40	6·6
17	340	5·4	330	5·7	320	5·6	310	5·3	320	5·3	320	5·5	320	7·3	320	8·2	320	9·3	330	8·6	350	8·1	350	7·5
18	250	1·6	—	1·4	—	1·5	—	1·1	—	1·0	—	1·3	250	2·7	270	2·8	290	3·2	170	3·3	140	5·1	160	5·6
19	280	3·8	280	3·9	280	3·0	290	4·6	280	5·1	290	6·3	300	8·2	300	8·1	310	7·6	300	7·6	300	7·4	300	6·0
20	210	1·7	—	1·2	190	1·9	190	2·4	190	2·8	210	3·1	220	3·3	210	4·1	200	5·5	200	5·8	210	6·2	200	6·6
21	220	1·8	250	2·1	—	1·1	—	1·5	—	1·0	210	2·1	200	2·3	220	2·0	240	2·8	260	3·5	250	3·0	270	3·5
22	340	7·4	340	7·9	340	8·1	340	8·8	340	7·8	340	8·4	350	8·8	340	8·8	350	9·9	340	8·8	340	9·4	340	8·2
23	280	2·6	250	2·0	—	1·5	—	1·2	—	1·0	230	2·2	200	2·4	200	1·8	210	2·0	190	2·2	190	2·1	200	2·9
24	—	1·5	310	1·6	300	1·9	270	1·7	—	1·4	—	1·4	290	2·3	290	2·7	310	2·5	310	3·3	310	5·1	310	5·5
25	310	1·7	—	1·4	—	1·5	—	0·2	310	1·6	310	3·1	300	4·2	310	5·5	310	5·5	310	5·3	310	5·7	330	5·8
26	310	4·1	320	3·9	320	3·9	320	4·4	320	4·4	330	5·1	340	5·6	340	6·9	340	6·4	350	7·2	340	6·5	340	6·9
27	310	4·0	310	4·9	310	5·3	310	5·6	300	4·8	310	5·8	320	6·5	320	6·5	340	7·6	350	7·7	340	8·1	340	8·3
28	310	5·4	310	4·4	320	4·2	320	4·1	320	5·2	320	5·8	330	6·7	330	7·0	330	6·9	330	7·3	320	7·4	330	7·7
29	310	4·5	310	5·0	300	4·7	300	5·3	300	5·6	300	6·2	300	6·6	310	7·0	300	6·4	320	6·1	320	6·3	320	6·5
30	290	3·1	290	2·5	300	3·5	290	3·4	300	4·4	300	4·6	300	4·5	300	5·6	300	5·0	300	4·6	280	4·8	380	5·7
31	300	5·2	300	4·5	300	4·3	300	4·5	300	3·6	320	2·9	350	3·4	10	4·5	20	5·0	30	4·6	40	4·7	40	4·0
Mean	—	3·4	—	**3·3**	—	3·4	—	3·4	—	3·4	—	3·7	—	4·3	—	4·8	—	5·0	—	5·2	—	5·6	—	5·7

144. Aberdeen : H_a = 8 metres + 13 metres.

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

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L.+ h_a (height of anemograph above ground) =8 metres + 13 metres.

May, 1927.

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

June, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

145. Aberdeen : Dines anemograph from Jan. 1926. H_a (Height of anemograph above M.S.L.) = Height of ground above

Hour. G.M.T.	1.		2.		3.		4.		5		6.		7.		8.		9.		10.		11		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	•	m/s.	°	m/s.
1	10	1·7	20	2·7	20	3·3	40	3·9	30	3·4	20	3·5	20	4·3	20	4·9	30	5·5	30	5·6	30	6·0	40	6·2
2	350	3·9	350	4·0	350	4·0	350	3·9	350	4·5	350	4·0	340	3·5	340	4·4	340	4·5	340	4·5	330	4·8	350	5·2
3	170	2·2	180	2·8	180	2·6	180	3·0	170	3·0	180	3·5	170	4·4	160	4·6	170	4·5	160	4·7	150	4·6	160	3·4
4	—	1·4	—	1·2	160	1·7	150	3·8	140	4·4	140	6·5	140	6·4	140	7·0	140	7·9	140	7·4	150	6·9	160	6·4
5	—	1·0	120	2·5	—	1·0	120	1·7	110	2·0	130	4·7	140	6·3	160	4·0	150	6·6	140	7·0	150	7·8	170	5·2
6	—	0·3	—	1·2	190	1·6	180	1·7	170	2·3	170	4·1	170	4·2	160	3·4	160	3·7	130	5·0	140	4·6	150	4·5
7	—	0·2	—	0·4	—	1·4	—	1·5	—	1·4	—	1·4	310	2·1	350	3·5	30	5·8	30	7·2	20	7·6	20	7·7
8	100	5·6	110	4·1	130	3·3	120	2·5	130	2·8	—	1·5	—	1·0	—	1·5	110	3·5	110	3·5	110	2·6	100	1·8
9	—	1·3	360	2·2	330	1·8	340	2·1	360	2·0	360	2·2	360	2·4	30	3·7	30	4·2	30	3·7	30	4·6	20	4·7
10	300	3·6	300	5·0	300	5·1	300	4·9	300	5·1	300	5·5	300	5·2	310	4·7	350	2·2	330	3·7	330	3·8	70	2·8
11	330	4·4	330	3·5	330	3·7	330	3·5	330	3·7	330	3·6	340	3·6	340	3·7	340	3·8	350	3·2	360	3·1	360	3·4
12	—	1·2	—	1·0	—	0·7	—	1·0	—	1·5	—	1·5	120	1·8	120	1·6	100	1·8	100	2·8	120	2·6	110	3·0
13	170	3·5	180	3·2	180	2·6	180	2·6	180	2·7	180	2·6	180	3·3	170	3·9	170	4·0	180	4·6	170	6·0	170	4·5
14	190	2·8	190	2·6	200	2·3	210	2·3	—	1·4	190	1·8	190	2·6	180	2·1	190	2·1	140	2·8	130	3·5	130	5·0
15	160	2·8	180	3·0	180	2·0	—	0·9	—	0·4	—	0·3	—	1·0	—	0·8	—	1·5	—	1·2	—	1·5	70	1·8
16	320	2·6	310	3·4	310	3·0	300	3·1	310	3·0	310	3·7	340	4·6	340	4·8	330	5·0	360	6·1	350	6·5	340	6·4
17	310	4·8	320	4·3	340	5·8	340	5·9	340	6·0	340	5·6	340	6·5	340	7·1	340	7·4	340	7·1	340	8·0	340	7·8
18	330	4·4	330	4·8	330	4·8	320	4·9	320	5·6	320	5·8	320	4·9	330	6·5	330	7·4	340	6·6	340	6·0	330	6·2
19	—	0·8	—	1·5	—	1·1	—	0·3	—	0·2	—	0·9	—	0·7	—	1·0	100	3·0	120	3·6	120	4·0	120	5·5
20	180	3·6	180	4·0	180	4·6	180	3·5	180	4·5	180	5·0	170	5·0	170	4·4	170	5·0	170	5·0	160	4·6	160	4·4
21	150	2·7	150	1·6	170	2·4	170	3·1	170	3·4	160	3·4	160	3·5	160	4·5	170	4·0	150	3·0	150	4·6	150	4·9
22	130	2·0	120	2·2	—	1·0	—	0·8	—	1·5	—	1·5	360	2·6	20	3·5	20	4·1	20	4·5	20	4·1	20	4·3
23	310	4·5	310	4·0	320	3·6	310	3·6	310	4·2	300	4·2	310	4·0	310	4·6	300	4·7	310	3·0	100	3·3	100	2·8
24	—	0·9	—	0·8	—	0·8	—	1·0	300	1·6	—	1·0	300	2·0	310	1·6	300	2·3	310	3·2	290	3·6	200	3·7
25	250	2·1	230	3·8	240	4·2	210	3·9	210	3·6	210	3·8	220	4·5	210	4·8	190	4·4	220	4·7	210	3·8	220	4·0
26	190	1·7	200	1·6	—	1·5	190	4·1	180	3·2	190	4·9	190	5·0	190	5·5	180	6·6	180	7·0	170	6·4	170	6·7
27	160	2·5	130	1·7	—	1·2	—	0·5	170	2·0	150	1·6	150	3·0	160	2·8	110	2·1	150	3·4	140	3·4	160	4·0
28	—	1·3	—	1·3	—	1·2	—	1·0	—	1·4	—	1·4	—	0·5	—	1·5	300	2·0	300	2·7	300	3·2	300	3·7
29	—	0·0	—	0·2	—	0·8	—	0·5	—	0·9	—	0·5	—	0·5	—	0·5	110	1·7	170	2·0	160	4·2	160	4·6
30	140	1·9	—	1·5	—	1·1	—	0·8	160	2·4	180	3·0	180	3·0	180	4·0	170	5·1	170	4·9	170	5·0	170	5·2
31	190	2·6	—	1·4	200	2·6	180	2·5	180	3·6	180	3·4	190	5·4	170	3·5	180	5·3	190	·5·8	190	3·8	190	4·6
Mean ...	—	2·4	—	2·5	—	2·5	—	2·5	—	2·8	—	3·1	—	3·5	—	3·7	—	4·2	—	4·5	—	4·7	—	4·7

146. Aberdeen : H_a = 8 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	180	4·1	180	3·6	190	2·7	—	1·5	—	1·4	180	3·1	180	3·5	190	4·2	180	5·1	180	5·8	170	5·5	160	6·2
2	—	1·4	—	0·6	—	0·8	—	0·8	—	0·5	—	1·0	—	0·5	—	1·4	200	2·0	120	3·8	190	3·7	240	3·9
3	200	3·0	200	2·5	220	3·2	220	3·4	230	2·3	220	3·4	230	3·3	220	2·5	220	3·4	230	2·0	210	2·6	230	3·6
4	—	0·5	—	1·2	—	1·4	290	1·8	—	0·8	—	0·5	—	0·8	190	2·0	180	4·0	160	4·5	160	4·8	150	5·6
5	—	1·4	—	0·8	150	2·4	160	2·4	160	3·4	160	3·9	160	4·5	160	4·3	140	3·6	160	3·6	150	3·5	160	4·0
6	130	1·8	130	2·1	—	1·5	—	1·1	—	0·8	—	0·5	—	1·1	130	2·7	120	3·5	120	3·2	120	3·0	100	3·3
7	20	2·1	50	2·3	—	1·4	50	2·0	60	3·5	40	3·4	40	4·0	40	5·0	30	4·3	30	3·7	60	5·9	90	5·0
8	170	3·6	170	3·5	—	1·4	110	1·6	—	1·0	—	1·0	170	2·1	150	4·0	150	6·2	140	6·4	150	5·4	150	4·5
9	10	4·2	360	4·0	320	2·2	300	2·2	280	2·0	—	1·5	190	1·7	170	3·5	180	4·1	160	5·0	180	5·3	166	5·5
10	70	3·5	60	3·5	60	3·3	70	3·2	70	2·3	40	2·0	—	1·0	—	0·5	—	0·7	—	1·2	100	2·4	150	3·9
11	—	0·1	—	0·3	—	0·4	—	0·5	—	0·4	—	0·9	—	0·5	—	0·6	—	1·5	—	1·4	60	2·8	50	2·2
12	—	0·3	—	0·6	—	1·0	—	1·5	330	2·2	310	1·6	320	1·9	320	1·6	20	2·8	20	3·3	350	4·3	350	3·8
13	270	1·7	280	1·9	290	2·4	300	1·7	290	1·6	290	2·5	310	1·7	—	1·3	40	2·0	80	1·8	110	2·0	100	3·0
14	100	1·6	90	1·7	—	1·4	—	1·5	60	3·2	70	3·2	70	3·7	70	3·8	60	4·2	60	4·0	50	4·2	40	4·0
15	20	4·2	20	4·2	10	4·0	10	4·1	360	3·5	360	3·9	10	6·1	20	7·1	20	7·4	20	8·2	30	8·0	30	7·0
16	290	3·6	290	3·5	290	3·5	290	3·0	290	3·4	250	2·7	270	3·6	260	2·4	290	2·2	290	2·2	300	3·1	320	3·7
17	—	0·8	—	1·0	—	1·0	—	1·0	—	1·0	—	1·4	—	1·4	220	2·3	240	1·8	10	2·2	130	4·2	160	4·0
18	—	1·5	—	1·0	—	1·2	—	0·9	—	0·8	—	0·8	—	0·7	—	0·6	—	1·5	90	2·0	100	2·5	100	3·0
19	300	3·0	300	3·2	290	3·4	310	2·8	310	3·1	310	3·8	320	3·7	340	4·5	330	4·6	330	5·3	340	5·4	340	5·5
20	290	1·7	270	2·0	290	2·5	—	1·4	—	0·8	—	1·0	—	0·9	—	0·7	120	3·4	120	4·1	120	4·7	130	4·7
21	110	1·6	—	0·8	—	0·8	—	1·0	—	1·5	—	1·0	—	0·7	—	1·4	—	1·2	100	2·6	110	3·6	130	4·5
22	—	1·4	—	1·3	—	1·0	—	1·2	—	0·8	130	1·7	—	1·2	110	2·1	110	2·8	110	3·7	100	3·6	90	3·3
23	310	3·5	300	3·4	310	2·9	320	3·7	320	4·3	330	3·9	320	3·9	320	4·4	340	5·6	340	5·8	340	5·9	340	4·7
24	290	2·6	290	1·7	300	2·0	300	2·3	290	2·0	—	0·7	—	0·7	—	1·2	—	1·5	70	2·1	60	2·7	70	3·2
25	300	3·7	300	3·7	300	4·3	300	3·9	290	4·0	290	3·6	290	3·1	300	2·0	—	1·5	100	2·6	120	4·0	130	5·0
26	—	1·2	—	1·2	220	2·3	220	2·5	210	2·7	210	1·7	190	3·0	190	4·4	200	4·3	190	5·3	200	5·6	210	5·5
27	180	5·5	180	5·0	200	7·7	200	6·0	210	8·2	210	9·8	200	9·2	200	8·3	200	8·1	230	7·6	240	7·6	240	10·0
28	190	4·2	180	3·7	200	2·6	—	1·5	210	2·5	210	3·0	200	2·4	220	2·5	190	4·3	190	3·7	180	4·6	170	5·0
29	—	1·0	—	1·3	190	1·7	—	1·4	180	1·7	180	2·6	—	1·5	220	1·8	200	4·8	210	5·0	220	5·6	250	4·5
30	230	2·5	230	2·1	210	1·6	210	1·9	—	1·2	—	0·6	—	1·1	200	2·5	190	2·8	190	4·3	180	5·1	180	6·0
31	180	2·0	160	1·8	160	2·0	160	2·6	150	3·4	150	4·0	150	4·4	140	4·1	140	5·2	140	6·9	150	5·6	150	5·2
Mean ...	—	2·4	—	2·2	—	2·3	—	2·1	—	2·3	—	2·4	—	2·5	—	2·9	—	3·6	—	4·0	—	4·4	—	4·6

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L.+h_a (Height of anemograph above ground) =8 metres+13 metres.

July, 1927.

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

August, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

147. Aberdeen : Dines anemograph from Jan. 1926. H_a (height of anemograph above M.S.L.) = Height of ground above

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

148. Aberdeen : $H_a = 8$ metres + 13 metres.

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

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 8 metres + 13 metres.

September, 1927.

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

October, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

R

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

149. Aberdeen : Dines anemograph from Jan. 1926. H_a (height of anemograph above M.S.L.) = Height of ground above

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

150. Aberdeen : H_a = 8 metres + 13 metres.

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

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

M.S.L.+h_a (height of anemograph above ground) =8 metres+13 metres. **November, 1927.**

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

December and Year, 1927.

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

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES TUBE ANEMOGRAPH.

151. Aberdeen: H*a*=8 metres+13 metres. **1927.**

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

* Defective Record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

152. Aberdeen: H*a*=8 metres+13 metres. **1927.**

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	day. h. m.
Jan.	—	0	4	23	201	457	63	0	200	16	28	16	31	28 16 30
Feb.	—	0	2	3	89	439	141	0	220	11	3	15	20	3 15 5
Mar.	—	0	2	20	164	480	80	0	90	15	25	20	21	25 20 40
April	—	0	5	20	257	388	55	0	280	13	29	15	24	23 2 45
May	—	0	0	0	241	441	62	0	130	10	2	17	16	22 11 55
June	—	0	0	0	165	454	101	0	300	10	14	7	20	14 7 5
July	—	0	0	0	114	504	126	0	30	8	7	13	13	4 11 10
Aug.	—	0	0	0	68	533	143	0	220	11	27	14	18	27 6 35
Sept.	—	0	2	10	132	491	87	0	30	13	22	19	20	23 8 55
Oct.	—	0	6	28	119	499	98	0	70	16	22	18	25	27 11 20
Nov.	—	0	7	106	192	395	27	0	110	15	19	10	21	23 21 20
Dec.	—	0	8	51	349	338	6	0	50	17	22	24	24	5 22 20
Year ..	—	0	36	261	2,091	5,419	989	0	50	17	Dec. 22	24	31	Jan. 28 16 30

153. Aberdeen. *Readings, in degrees absolute, at 9h, Greenwich Mean Time.* **1927.**

Month.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·1	77·2	77·8	79·2	80·1	81·4	83·1	85·6	86·1	83·7	82·2	79·7
2	78·1	77·2	77·8	79·3	80·0	81·4	83·2	85·7	86·0	83·6	82·2	79·7
3	78·2	77·2	77·9	79·3	80·0	81·4	83·3	85·7	86·0	83·6	82·2	79·6
4	78·2	77·2	78·0	79·2	80·0	81·6	83·4	85·8	86·1	83·4	82·2	79·5
5	78·2	77·1	78·1	79·2	80·0	81·6	83·4	85·8	86·0	83·4	82·2	79·4
6	78·3	77·1	78·2	79·2	80·1	81·7	83·6	85·9	86·0	83·2	82·2	79·3
7	78·2	77·2	78·3	79·2	80·1	81·8	83·6	86·0	86·1	83·1	82·2	79·3
8	78·1	77·2	78·3	79·2	80·1	81·9	83·7	86·1	86·1	83·0	82·0	79·3
9	78·0	77·2	78·3	79·2	80·2	82·1	83·9	86·1	86·1	83·0	81·8	79·4
10	77·9	77·2	78·2	79·2	80·3	82·2	83·9	86·1	86·1	83·1	81·7	79·4
11	77·9	77·3	78·2	79·2	80·4	82·3	84·1	86·2	86·0	83·1	81·3	79·4
12	78·0	77·3	78·1	79·2	80·5	82·3	84·3	86·2	85·9	83·1	81·1	79·5
13	78·1	77·2	78·1	79·3	80·6	82·2	84·4	86·3	85·8	83·1	80·9	79·5
14	78·1	77·2	78·1	79·4	80·6	82·2	84·5	86·4	85·7	83·2	80·6	79·5
15	78·1	77·1	78·1	79·5	80·7	82·3	84·6	86·3	85·6	83·2	80·3	79·5
16	78·1	77·1	78·0	79·5	80·6	82·3	84·7	86·3	85·4	83·2	80·2	79·3
17	78·1	77·0	78·1	79·6	80·7	82·3	84·8	86·3	85·3	83·2	80·0	79·2
18	78·1	77·1	78·1	79·7	80·7	82·4	84·9	86·2	85·2	83·1	79·9	79·0
19	77·9	77·1	78·1	79·7	80·8	82·4	85·1	86·2	85·1	83·1	79·8	78·8
20	77·8	77·2	78·2	79·8	80·8	82·6	85·1	86·2	84·9	83·1	79·8	78·7
21	77·8	77·2	78·3	80·0	80·9	82·7	85·2	86·2	84·7	82·9	79·9	78·6
22	77·6	77·2	78·4	80·1	81·0	82·8	85·2	86·2	84·6	82·8	79·9	78·4
23	77·4	77·3	78·6	80·3	81·1	82·8	85·3	86·2	84·4	82·7	79·9	78·2
24	77·4	77·4	78·8	80·4	81·1	82·8	85·3	86·2	84·3	82·4	79·9	78·1
25	77·4	77·5	78·9	80·4	81·1	82·9	85·3	86·2	84·2	82·2	79·8	78·0
26	77·3	77·6	79·0	80·5	81·2	82·9	85·3	86·2	84·1	82·1	79·8	77·9
27	77·2	77·6	79·1	80·4	81·3	83·0	85·4	86·2	83·9	82·1	79·9	77·8
28	77·2	77·7	79·1	80·3	81·4	83·0	85·4	86·2	83·9	82·1	79·8	77·8
29	77·2	—	79·1	80·2	81·4	83·0	85·4	86·1	83·8	82·1	79·8	77·7
30	77·2	—	79·2	80·2	81·4	83·0	85·6	86·1	83·7	82·1	79·7	77·6
31	77·2	—	79·2	—	81·4	—	85·6	86·1	—	82·2	—	77·6
Mean	77·8	77·2	78·4	79·7	80·7	82·3	84·5	86·1	85·2	82·9	80·8	78·9

Annual Mean at 124 cm. 281·2

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

154. Aberdeen. *Readings, in degrees absolute.* **1927.**

Month.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	74·9	72·9	78·6	72·3	**67·2**	74·4	82·1	80·3	**86·1**	75·7	76·0	72·1
2	75·9	68·6	78·8	68·7	75·0	80·8	82·4	78·0	78·5	74·9	81·0	76·1
3	73·8	**65·0**	77·0	70·3	76·3	73·0	82·3	86·4	79·8	73·8	78·1	71·9
4	70·4	75·6	72·9	69·4	80·8	78·0	78·4	83·0	81·6	74·4	77·1	76·5
5	**66·1**	70·1	76·8	73·3	78·4	72·6	80·6	82·6	83·0	71·5	74·7	75·5
6	72·8	72·3	70·9	71·7	77·2	78·9	**76·2**	86·8	84·8	81·6	68·7	79·8
7	69·1	77·1	72·7	72·9	75·4	79·2	77·2	86·9	85·5	75·8	72·8	**79·9**
8	71·8	76·0	71·0	72·8	77·8	77·6	82·9	83·5	77·9	74·4	69·8	78·3
9	74·7	69·8	71·3	72·1	79·5	70·9	**86·2**	86·7	83·8	81·7	70·2	78·2
10	**80·9**	74·3	72·1	74·8	74·3	71·4	81·9	**87·1**	78·0	**82·3**	71·9	78·2
11	76·3	68·4	73·3	72·1	69·7	**70·3**	85·3	80·0	79·5	78·8	72·3	76·4
12	70·9	66·8	72·7	74·2	77·4	72·3	84·1	85·9	78·4	78·0	71·0	74·8
13	76·9	71·3	**69·2**	76·2	75·4	73·2	84·5	76·6	75·6	79·5	**65·4**	72·0
14	75·4	70·5	72·7	74·8	76·3	74·7	85·4	77·4	77·7	80·8	74·8	69·8
15	68·7	75·4	73·2	74·1	78·7	70·8	85·2	83·6	78·1	79·1	70·2	71·8
16	70·2	74·6	77·1	74·7	76·2	79·9	80·7	75·8	73·9	74·0	74·7	70·2
17	66·4	73·3	75·4	75·8	75·6	**82·6**	81·1	82·8	75·0	79·4	76·3	64·8
18	68·1	72·1	71·0	75·3	71·6	76·4	84·2	78·7	74·4	74·0	79·2	**63·3**
19	72·0	69·4	**81·0**	79·0	75·2	77·6	82·8	80·2	74·3	74·1	76·5	66·6
20	71·0	74·1	80·7	80·5	79·2	80·6	82·4	**74·8**	*	70·4	76·3	68·7
21	73·8	75·2	79·7	79·0	73·1	81·6	84·8	84·6	80·2	**67·5**	76·3	73·0
22	66·5	75·0	77·7	**80·7**	78·6	73·8	84·5	81·1	79·1	70·4	77·3	74·5
23	67·9	**78·4**	74·2	74·3	70·3	80·3	84·6	83·4	79·9	79·6	77·3	74·2
24	72·5	74·1	76·3	71·9	**81·6**	78·0	81·3	81·5	77·0	79·0	73·2	73·6
25	77·1	69·7	75·1	71·9	77·7	73·6	80·1	77·2	78·6	79·8	73·4	71·3
26	72·1	73·2	77·3	70·8	76·3	77·3	80·4	77·9	80·4	81·1	76·4	69·3
27	73·8	78·0	73·0	**65·4**	74·4	81·3	82·2	84·9	75·9	77·7	**81·5**	70·3
28	74·2	78·3	73·2	66·5	75·7	81·7	85·8	80·8	75·6	73·5	71·1	66·0
29	72·7	—	76·1	66·3	74·8	77·4	85·3	77·8	80·7	80·4	73·4	68·7
30	74·7	—	78·4	71·3	76·6	78·6	83·2	77·1	**73·1**	79·3	69·2	73·1
31	74·1	—	70·6	—	79·3	—	82·1	83·5	—	80·1	—	75·4
Mean	72·4	72·8	74·8	73·1	76·0	76·6	82·6	81·5	78·8†	76·9	74·2	72·7

Annual Mean 276·1‡

* Reading not available. † Mean for 29 days only. ‡ Mean for 364 days only.

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

155. Aberdeen. **January, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	A-St : St-Cu.	A-Cu : Fr-Cu.	Ci-St : A-Cu.	9	10	7	6	8	1	j	k	k	j	j	j	...	...	...	...	...	...	c to bc *a*:bc to c *p*:c to b *n*: ♊ 21h-23
2	A-Cu.	A-Cu : Fr-Cu.	A-St : St-Cu.	1	2	3	4	8	10	k	j	j	j	i	i	...	...	...	...	...	...	b to bc *a* : bc to c *p* : c, ● 0 later *n*
3	A-St.	A-Cu : Fr-Cu.	—	1	2	1	1	0	0	j	H	k	j	j	j	...	...	...	...	...	...	Fine throughout. [bc *n* : ♊ 2
4	A-St : Cu-Nb.	Cu-Nb.	St-Cu : Cu-Nb.	2	2	5	8	5	5	j	j	k	i	j	j	...	...	✳ 0	✳	...	...	● and p ✳ 0 early, b, c p ✳ *a*:cp ✳
5	Nb.	Nb.	Nb.	10	10	10	10	10	9	G	F	G	G	G	G	✳ 0	...	✷ 0	● 0	✷ 0	...	o ✳ 0, ✷ 0 m *a* : o ✷ 0 *p* : o ✷ 0 to c *n* [⊠ 5·0 c.n
6	Nb.	A-Cu : Cu.	A-St.	10	2	3	6	9	10	H	i	i	G	i	H	● 0	...	...	...	...	...	o ● to b and bc *a* : bc *p* : c to o *n*.
7	A-St.	St-Cu.	St-Cu.	1	1	1	1	1	2	G	H	i	i	i	i	...	...	...	...	...	...	b ␣, b *a* : b, b ␣ *p* and *n* : ♊ 18h-24
8	St-Cu.	A-St : St-Cu : Nb.	St-Cu.	9	10	10	9	3	8	H	G	H	G	H	H	...	● 0	...	...	...	...	b ␣ early, c to o ● *a* : c *p* : bc and c
9	St-Cu.	A-Cu : St-Cu.	Ci : St-Cu : Fr-St.	9	8	8	7	1	1	j	i	k	j	j	j	...	...	...	...	...	...	bc and c *a* : bc *p* : b *n* ♍ 19h.
10	St-Cu : St-Cuf.	A-Cu : St-Cu.	Ci-Cu : A-Cu lent.	1	3	8	5	4	8	k	k	k	k	k	j	...	...	...	...	...	...	b to c *a* : bc *p* : c *n*.
11	St-Cu.	St-Cu : Nb.	A-St : Nb.	6	6	9	9	10	7	j	i	j	j	j	j	...	...	● 0	...	...	...	bc, c ● 0 *a* : c ●, ● 2 *p* : c ● 0 to bc
12	—	A-St : St-Cuf.	Nb.	0	2	10	10	10	10	i	i	H	H	H	H	...	...	...	...	●	● 0	b ␣ to c *a* : c to o ● *p* : o ● 0 *n*.
13	A-St : Nb.	St-Cu : St-Cuf.	St-Cu : Nb.	10	3	10	9	10	10	H	i	i	H	H	H	● 0	...	...	● 0	● 0	...	bc and c ● 0 *a* : c ● 0 *p* and *n*.
14	A-St : Nb.	A-Cu : Cu-Nb.	St-Cu.	10	10	8	2	7	1	i	j	k	j	j	i	...	...	...	...	...	...	c ● 0, p ● 0 △ 0 *a* : bc and b *p* : b ␣
15	St-Cu.	Ci-St : St-Cu.	St-Cu.	1	6	5	8	8	9	i	i	G	G	G	G	...	...	...	...	...	...	b and bc ␣ *a*:c ␣ *p*:c *n*:⊕ 12h-13
16	A-St : St-Cu.	Ci-St : St-Cu.	Ci.	3	4	3	2	1	2	k	G	H	H	G	G	...	...	...	...	...	...	✷ early, bc *a* : b *p* : b ␣ *n* : ⊕ 13
17	St-Cu.	Ci-Cu : Cu-Nb.	A-Cu : St-Cu.	2	2	1	5	1	2	H	D	H	G	H	H	...	...	...	...	...	...	b ␣ f and m *a*:bc ␣ *p*: b f, b ␣ *n*.
18	St-Cu.	St-Cu : Cu-Nb.	St-Cu.	6	3	1	1	1	2	j	j	j	j	j	j	...	● 0	...	...	...	...	bc ␣, p ● 0, b *a* : b *p* : b ␣, p ✷ 0 △
19	St-Cu.	A-Cu : St-Cu.	A-Cu : St-Cu.	1	3	3	1	1	1	k	j	k	j	k	j	...	...	...	...	...	...	bc and b *a* and *p* : b ␣, p ✳ 0 △ 0 lat [*n* : ♍ 23
20	A-St : Nb-Cuf.	St-Cu.	St-Cu.	10	9	1	1	4	10	H	G	i	H	H	H	✳ 0	✳ 0	...	...	...	...	c ✷ 0 △ 0, p ✷ 0 *a* : b *p* : bc to c, ✷ 0 late
21	A-St : Nb.	A-Cu : St-Cu.	St-Cu.	10	10	1	4	2	2	H	G	i	i	G	i	...	...	...	...	...	...	c ● 0 to b *a* : b and bc *p* : b ␣ *n*.
22	St-Cu.	St-Cu.	—	1	1	1	1	0	0	H	E	i	H	H	G	...	...	...	...	...	...	b ␣, f *a* : b *p* : b ␣ *n*.
23	Ci-St : A-St.	A-St : St-Cu.	A-St : St-Cu.	10	9	9	8	8	2	H	G	i	i	i	i	...	...	...	● 0	...	...	␣ early, c *a* : c, ● 0 *p* : bc to b ␣ *n*
24	Ci-St : St-Cu.	A-St:St-Cu:Fr-Nb.	Nb.	3	8	10	10	10	10	i	G	H	H	H	H	...	...	...	...	●	●	b ␣ to c *a* : c to o ● *p* : o ● q *n*.
25	A-St : Fr-Nb.	A-St : Fr-Nb.	A-St : Fr-St.	10	10	10	5	2	2	i	i	i	i	i	i	...	...	...	...	...	...	● 0 to c *a* : c to b *p* : b to o ● 2 to b
26	A-St.	Nb.	A-St : Nb.	6	10	10	10	10	8	i	H	H	H	H	i	...	●	●	...	● 0	...	␣ early, c to o ● *a* : ● 0 *p* : c q *n*.
27	St-Cu.	A-Cu : Fr-Cu.	A-Cu.	5	6	5	2	1	7	i	i	k	k	k	j	...	...	...	...	...	...	bc and c q *a* : bc and b p ● 0 *p*:bq, bc
28	A-St : St-Cu.	A-St : Nb-Cuf.	Nb-Cuf.	5	8	10	9	6	7	j	i	j	j	k	j	...	...	...	...	●	...	● 0, c q p ● 0 *a* : c p ● q *p* : bc q ●
29	A-St : St-Cu.	A-St : St-Cu.	A-Cu : St-Cu.	10	10	9	8	2	1	i	H	k	j	j	j	...	● 0	...	...	...	...	c and o ● 0 *a* : c *p* : b and c *n*.
30	A-Cu : St-Cu.	A-Cu : St-Cuf.	A-St : St-Cuf.	7	7	8	10	10	1	k	j	j	j	j	j	...	...	...	...	...	...	bc and c *a* : c *p* : c to b *n*.
31	St-Cu : Nb-Cuf.	St-Cu : Cu-Nb.	St-Cu.	9	9	9	8	1	0	j	j	j	j	j	j	...	● 0	...	...	...	...	c p ● 0 *a* : bc and c p ● 0 *p* : b *n*.
Mean Cloud Am'nt				5·7	6·0	6·1	5·8	5·0	4·8													

156. Aberdeen. **February, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St-Cu : Cu-Nb.	Cu-Nb.	A-Cu : St-Cu.	3	7	1	3	1	0	k	j	k	k	k	k	...	...	...	...	...	...	bc, c p ✷ 0, b *a* : bc and b *p* : b *n*.
2	Cu-Nb.	Ci.	A-St.	1	1	2	7	10	10	k	k	k	i	H	H	...	...	...	...	...	✳	b *a* : b to c *p* : c to o ✳ *n* : ⊕ 15h-17
3	A-Cu : St-Cu.	Ci-St:A-Cu:Fr-Cu.	A-Cu : Fr-Nb.	4	8	7	7	5	4	i	G	k	j	i	i	...	...	...	...	● 0	...	o ✷ to bc and c q *a* : bc q ● 0 *p* : ●
4	St-Cu.	Cu.	—	1	1	1	1	0	0	k	k	k	k	k	k	...	...	...	...	...	...	b, b q *a* : bc p ● 0 q *p* : b *n*. [bc
5	A-Cu.	A-St : St-Cu.	Nb.	3	8	9	10	10	7	G	H	i	i	H	H	...	...	...	●	●	...	bc ␣ to c p ● 0 *a* : o ● *p* : o ● to c
6	St-Cu.	A-Cu.	St-Cu.	1	2	7	2	9	10	k	k	j	j	i	H	...	...	...	...	...	...	b *a* : b to c *p* : c ● 0, c *n*.
7	Nb.	Nb.	A-St : Nb.	10	10	10	9	10	2	G	F	G	G	G	H	●	●	● 0	● 0	● 0	...	o ● and f *a* : c ● 0 *p* : c ● to b *n*.
8	St-Cu.	St-Cuf.	St-Cu.	10	3	8	2	1	0	j	j	j	j	H	H	...	...	...	...	...	...	bc and c *a* : c to b *p* : b *n*.
9	St-Cu.	St-Cu.	St-Cu.	9	7	10	10	10	10	i	i	i	i	H	H	...	...	...	...	...	...	␣, bc and c *a* : c *p* and *n*.
10	St-Cu.	St-Cu.	—	9	9	9	2	0	3	i	i	i	i	G	G	...	...	...	...	...	...	c *a* : c to b *p* : b and bc *n*.
11	—	A-Cu.	A-Cu.	0	0	1	0	1	0	i	G	H	H	G	G	...	...	...	...	...	...	b ␣ *a* : b *p* : b ␣ *n*.
12	St-Cu.	St-Cu.	St-Cu.	4	7	10	9	9	10	F	E	F	G	G	H	...	...	...	...	...	...	bc ␣, f and z *a* : c *p* : c *n*.
13	St-Cu.	Ci : Ci-Cu.	A-St : St-Cu.	1	1	1	9	10	10	H	G	G	F	F	G	...	...	...	...	...	...	b ␣ *a*:b to c z *p*:c, p ● 0 late *n*:♍ 23
14	Ci : Ci-St.	Ci-St : A-St.	A-St.	1	3	8	5	2	3	j	D	G	G	H	H	...	...	...	...	...	...	p ● 0 early, b ␣. bc f, c *a* : bc *p* an [*n* : ⊕ 12h-14
15	A-St : Nb.	Ci-St : St-Cu.	Ci-St : St-Cu lent.	10	9	4	6	4	2	F	D	G	i	F	G	● 0	● 0	...	...	...	...	c ● 0, f to bc *a* : bc, z *p* : f to b m
16	A-Cu to St-Cu.	St-Cu.	St-Cu.	6	4	8	10	9	9	E	G	F	G	F	G	...	...	...	...	...	...	bc f to c m *a* : c m *p* : c *n*.
17	St-Cu.	A-Cu : St-Cuf.	St-Cu.	9	10	4	3	4	3	F	F	H	i	i	i	...	...	...	...	...	...	c to o, m, bc *a* : bc *p* and *n*.
18	St-Cu : Cu-Nb.	Ci-St : Cu.	Ci-St : Cu-Nb.	1	1	3	2	1	1	k	k	k	k	k	k	...	...	...	...	...	...	Fine throughout.
19	A-Cu.	A-St : St-Cu.	A-St.	9	10	10	10	10	10	i	i	i	i	i	G	...	...	...	...	...	...	␣, c *a* : c, ● 0 *p* : o ● 0, o *n*.
20	St-Cu.	A-Cu : Cu.	Nb.	8	2	8	9	10	10	j	j	k	k	j	j	...	...	...	...	...	...	c ● 0 to b to c *a* : c, o ● 0 *p* : o ●, o
21	Nb.	Nb-Cuf.	Nb.	10	9	9	9	9	9	G	H	H	H	G	G	● 0	● 0	● 0	...	...	...	c and o ● 0 *a* : c ● 0 *p* : c *n*.
22	Nb.	Nb.	A-Cu : St-Cu.	10	10	10	3	8	10	G	F	G	F	F	G	● 0	● 0	...	...	...	● 0	o ● 0 m *a* : bc m *p* : o ● 0 *n*.
23	Nb.	Ci : A-Cu : Cu.	St-Cuf.	10	10	3	2	10	9	G	G	i	i	H	H	● 0	...	...	...	...	...	o ● 0, bc *a* : b to o *p* : c *n*.
24	Ci-St : A-St.	A-Cu : St-Cuf.	A-Cu : St-Cuf.	3	3	3	3	5	0	H	H	H	i	H	H	...	...	...	...	...	...	bc *a* and *p* : b *n*.
25	Ci : A-Cu.	St-Cu.	St-Cu : St-Cuf.	2	8	9	10	9	7	F	E	G	i	i	i	...	...	...	...	...	...	b ␣ m to c f *a* : c *p* : bc *n*.
26	Nb.	St.	St-Cu : St.	10	10	8	8	9	10	H	H	H	H	H	H	● 0	...	...	...	...	...	o ● 0, c *a* : c *p* : ● 0, o *n*.
27	Nb.	Nb : Fog.	St : Fog.	10	10	10	10	10	10	H	H	D	F	D	D	● 0	● 0	...	...	...	...	o ● 0 to o f *a* : o m and f e *p* : o f e
28	Fog.	Nb.	Nb.	10	10	10	10	10	10	C	F	F	F	G	G	...	...	● 0	●	●	●	o f_2 e, ● 0 *a* : o ● m *p* : o ●, om *n*.
Mean Cloud Am'nt				5·9	6·2	6·5	6·1	6·6	6·0													

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

157. Aberdeen. **March, 1927.**

Day.	Cloud Forms. 7h	9h	18h	Cloud Amount (All Forms.) 9h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Nb : Fog.	Nb.	Nb-Cuf.	10	10	10	10	9	10	B	C	G	i	i	H		●	●⁰	●⁰	●⁰	●⁰	o f_2 e ● *a* : o ●⁰ *p* : c ●⁰ *n*.
2	St-Cu : Nb-Cuf.	Ci-Cu : St-Cu : Cu.	Nb.	9	1	8	6	10	10	j	k	k	j	i	i	...	...	...	...	●	●	c, b, c *a* : bc to o ● *p* : o ● *n*.
3	St-Cu : Nb-Cuf.	A-Cu : Cu.	A-Cu : St-Cu.	10	2	3	3	2	1	j	k	k	j	j	j	●⁰	...	...	...	...	...	o ● to b and bc *a* : bc y *p* : b *n*.
4	Nb.	A-St : Nb.	St-Cu : Fr-Nb.	10	10	10	10	2	8	G	G	G	G	i	i	●	●⁰	●⁰	●⁰	...	...	o ● *a* : c ●⁰ *p* : b and c *n*.
5	St-Cu.	A-St : Nb.	A-St : Nb.	6	9	10	10	10	10	i	i	H	H	H	H	...	...	●⁰	●⁰	●⁰	...	bc and c, ●⁰ *a* : c ●⁰ *p* : o, b late *n*.
6	St-Cu.	A-Cu : Cu.	St-Cu : Cu.	8	9	8	8	9	6	l	i	k	k	k	k	...	...	...	...	...	...	c, c p ●⁰ *a* : c p ● *p* : c p ●⁰, bc *n* :
7	A-Cu : St-Cu.	St-Cu : Cu.	A-Cu : St-Cu.	8	4	8	3	1	9	k	k	j	j	i	H	...	...	...	...	...	...	bc and c *a* : bc *p* : b to c *n*. [卌 23h.
8	Ci-St : Cu.	St-Cu : Cu-Nb.	A-St : Cu.	4	9	9	9	5	2	i	i	H	i	j	i	...	...	●⁰	●⁰	...	...	⌴, c ●⁰ *a* : c ●⁰ *p* : bc to b *n*.
9	St-Cu : Cu.	St-Cu : Nb.	St-Cu : Nb-Cuf.	10	10	9	9	8	8	H	H	H	H	i	i	...	●	●⁰	●⁰	...	...	c ● and ●⁰ *a* and *p* : c *n*.
10	St-Cu : Cu-Nb.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	4	8	7	3	1	4	j	j	k	k	k	j	...	...	...	...	...	...	bc ⌴, c p ● △ *a* : bc p ●, p▲ *p* : bc *n*.
11	A-Cu : Cu-Nb.	Cu-Nb.	St-Cu : Cu-Nb.	8	9	4	8	4	1	j	j	k	k	k	k	...	...	...	...	...	...	c p● *a* : bc p ●⁰, p △⁰ *p* : bc p●⁰, b *n*.
12	Ci-Cu : Cu-Nb.	St-Cu : Cu.	Ci : St-Cu.	1	3	6	3	1	0	k	k	k	k	j	j	...	...	...	...	...	...	bc p ●, b ⌴, bc *a* : bc *p* : b *n*.
13	St-Cu.	St-Cu : Cu.	Ci : Cu.	5	6	2	4	1	6	j	j	k	k	j	j	...	...	...	...	...	...	bc ⌴, b *a* : b and bc *p* and *n*.
14	Ci-St : Fr-Nb.	St-Cu : Cu.	Ci : Cu.	8	4	4	8	1	5	H	F	j	i	H	j	...	...	...	...	...	...	p ●⁰ early, bc *a* : c to b *p* : bc *n*.
15	Nb.	St-Cu.	A-St : St-Cuf.	9	10	9	9	8	9	i	i	i	i	H	H	...	...	...	...	...	...	c and o *a* : c, ●⁰ late *p* and *n*.
16	A-Cu : Nb.	A-Cu : St-Cu.	A-Cu : A-St.	8	8	9	9	8	5	H	H	i	H	G	G	...	...	...	...	...	...	c *a* and *p* : bc *n*.
17	A-St.	A-Cu : St-Cuf.	Ci.	3	4	8	3	3	0	H	H	H	H	G	G	...	...	...	...	...	...	bc and c *a* and *p* : b *n*.
18	Ci.	Ci : Fr-Cu.	A-St : Fr-Nb.	1	1	5	8	9	8	F	F	j	j	i	i	...	...	...	...	●⁰	...	b ⌴ z and f *a* : c, c ●⁰ *p* : c *n*.
19	St-Cu : Fr-St.	A-Cu : Fr-Cu.	A-Cu : St-Cu.	8	6	3	1	5	9	j	k	k	k	j	j	...	...	...	...	...	...	bc and c *a* : b and bc *p* : c *n*.
20	Ci-Cu : A-Cu : St-Cu.	St-Cu : St-Cuf.	A-Cu : St-Cu. : St.	4	8	8	8	8	9	k	k	j	j	j	j	...	...	...	...	...	...	bc, c *a* : c *p* and *n*.
21	A-Cu : St-Cu.	A-Cu : Cu.	A-St : St-Cu.	9	8	5	2	9	9	j	j	j	j	G	G	...	...	...	...	...	...	c, bc *a* : b to c *p* : c *n*.
22	A-St : Nb.	A-Cu : Nb.	Cu.	10	8	9	2	1	2	H	i	j	j	j	j	●	...	●⁰	...	...	...	c p ●⁰ *a* : b *p* : b and bc *n*.
23	A-St:St-Cu:Fr-Nb.	A-St: St-Cu: Fr-St.	Nb.	10	10	8	10	10	10	j	G	i	H	H	H	...	●	...	...	●	●	c to o ●, ●², c *a* : c, o ● *p* : ● and
24	A-Cu:St-Cu:Nb.	A-Cu : Cu.	A-St : Nb.	8	2	7	9	8	9	j	k	j	i	H	H	...	...	...	...	...	...	b and c *a* : c p ●⁰ *p* : c p ● *n*. [●² *n*.
25	Nb.	St-Cu : Nb.	Nb.	10	10	10	10	10	9	H	H	i	i	i	i	...	●⁰	●⁰	...	...	...	o to ●⁰ *a* : o ●⁰ *p* : c q *n*.
26	A-St : Nb-Cuf.	Cu-Nb.	A-Cu : Cu-Nb	10	10	9	5	3	3	j	i	j	j	j	i	●	...	...	...	...	...	c p ● and p ●² △ *a* : bc p ●⁰ *p* :
27	Ci : St-Cu.	Ci : Cu.	Ci-Cu : St-Cu.	7	4	5	9	7	0	k	k	j	i	H	i	...	...	...	...	...	...	bc *a* : c *p* : bc, b *n*. [bc, p ● *n*.
28	St-Cu : Cu.	A-Cu : Cu.	St-Cu.	7	7	8	7	8	9	j	k	k	j	i	i	...	...	...	...	...	...	p ● early, bc *a* : c p ●⁰ *p* : c *n*.
29	St-Cu : St.	St-Cu : St.	St.	9	9	10	9	10	10	G	i	H	H	F	G	...	...	...	...	...	●⁰	c *a* : c to o m *p* : o ●⁰ *n*.
30	Nb.	A-Cu : Nb-Cuf.	St-Cu : Cu-Nb.	10	10	8	5	3	0	G	G	k	j	k	k	●	●	...	...	...	...	o ●, c *a* : c p ●, b *p* : b *n*.
31	St-Cu.	Cu.	St-Cu : Cu-Nb.	1	1	7	9	2	0	k	k	l	j	i	i	...	...	...	●⁰	...	...	b, bc *a* : c p ●⁰ *p* : b *n*.
Mean Cloud m'nt.				7·3	6·8	7·3	6·7	5·7	5·8													

158. Aberdeen. **April, 1927.**

1	Ci-St : Cu.	Ci-St : Cu.	A-St : Cu-Nb.	7	6	6	8	5	2	j	k	l	k	i	i	...	...	...	...	...	...	bc *a* : bc, c *p* : c p ●⁰, b *n* : ⊕ 6h-14h.
2	Ci-St : Cu-Nb.	Ci-St : Cu-Nb.	A-St : Nb.	7	5	6	10	10	10	j	j	j	i	i	i	...	...	...	...	●⁰	●⁰	bc *a* : c, c ●⁰ *p* : c ●⁰ *n* : ⊕ 6h-8h.
3	A-Cu.	Cu : Cu-Nb.	St-Cu : Cu-Nb.	1	1	8	6	4	1	j	j	k	k	j	i	...	...	△⁰	...	●⁰	...	b ⌴, c p △⁰ *a* : c p ● *p* : bc p ●⁰, b *n*.
4	A-Cu : St.	St.	A-Cu : Fr-Nb.	3	3	1	6	10	10	G	H	i	i	H	H	...	...	...	...	●⁰	●	⌴, bc and b *a* : bc, c ●⁰ *p* : o ● q *n*.
5	A-St : Cu-Nb.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	9	9	6	4	7	2	j	i	k	k	j	i	...	●⁰	...	...	●⁰	...	c p ●⁰ *a* : bc p ●⁰, p △⁰ *p* : bc p ●⁰, [b *n*.
6	St-Cu.	A-Cu : Cu-Nb.	Cu-Nb.	1	1	4	8	9	8	j	k	k	k	j	j	...	...	●⁰	...	●	...	b ⌓, bc p ●⁰ *a* : c p ● *p* and *n*.
7	St-Cu : Cu-Nb.	St-Cu : Cu-Nb.	A-Cu : Cu-Nb.	2	1	8	8	8	2	j	k	j	j	k	j	...	...	●⁰	●	...	...	b and c p ●⁰ *a* : c p ● *p* : c p ●⁰, b *n*.
8	False Ci : Cu-Nb.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	2	1	2	7	2	0	k	k	k	k	k	k	...	...	...	...	...	...	b ⌓, bc p ●⁰ *a* : bc p △⁰ *p* : bc p ●⁰,
9	Nb.	Ci : Cu-Nb.	Cu-Nb.	9	3	5	6	3	8	j	k	k	k	k	k	●	...	●⁰	...	...	●	c p ● *a* : bc p ● *p* : c p ● *n*. [b *n*.
10	Cu-Nb.	Cu-Nb.	Ci : St-Cu : Cu.	2	6	4	4	3	3	k	k	k	k	k	j	...	...	...	...	...	...	bc and c p △ *a* : bc p △ *p* : bc *n* : [卌 21h.
11	A-St : Fr-Nb.	St-Cu : Cu.	St-Cu.	10	7	7	7	6	5	k	k	k	k	k	j	●⁰	...	...	●⁰	...	...	c ●, bc q *a* : bc p ●⁰ q *p* : bc p ✱
12	St-Cu.	A-St : Cu.	A-Cu : Cu-Nb.	5	6	10	10	2	1	j	k	k	j	k	k	...	...	●⁰	...	...	...	bc *a* : c ● to b *p* : b *n*. [△⁰ q *n*.
13	Nb.	A-Cu lent : St-Cu : Cu.	A-St : St-Cu.	10	10	9	10	9	10	i	j	k	k	k	j	●	●⁰	...	...	...	●⁰	o ● to c p ● *a* : c *p* : c to o ●⁰ *n*. [c, ● late *n*.
14	—	A-Cu : Cu.	St-Cu : Cu-Nb.	0	3	5	9	2	9	k	k	k	j	k	k	...	...	...	●⁰	...	...	●⁰ early, b to bc y *a* : c ●⁰, b *p* : b to
15	St-Cu : Fr-Nb.	Cu-Nb.	St-Cu : Cu.	7	9	9	7	1	9	k	k	k	k	k	j	...	...	●²	...	...	●⁰	c p ● *a* : c p ●², b *p* : bc, c ●⁰ *n*.
16	St-Cu : Nb-Cuf.	Ci-St : Cu.	A-St : St-Cu.	7	9	7	7	9	6	k	j	k	k	j	j	●	●⁰	...	...	...	...	c p ● *a* : bc and c *p* : bc *n* : ⊕ 13h.
17	Ci-Cu : A-Cu lent.	A-Cu : Cu.	A-Cu lent : St-Cu.	2	1	7	10	9	1	l	l	l	l	l	k	...	...	...	...	...	...	b q, bc p ●⁰ *a* : bc y, c *p* : c to b *n*.
18	A-Cu.	A-Cu : Cu.	St-Cu.	8	8	8	9	9	7	j	j	j	j	H	j	...	...	...	...	...	...	c *a* and *p* : bc *n*.
19	Ci-St : St-Cu.	St-Cu : Cu.	Ci-St : St-Cu lent.	9	9	7	3	2	8	k	k	k	k	k	k	...	...	...	...	...	...	c, c p ●⁰ *a* : bc *p* : bc *n* : ⊕ 7h.
20	Ci-Cu : St-Cu.	Ci-Cu : St-Cu : Cu.	Ci-St : St-Cu : Cu.	8	7	7	9	8	1	k	k	k	k	k	k	...	...	...	...	...	...	bc and c *a* : c *p* : bc, b *n* : ⊕ 11h·30m.
21	St-Cu : Nb-Cuf.	St-Cu : Fr-Cu.	Nb.	9	9	9	10	10	10	k	k	k	j	j	j	●⁰	...	...	●⁰	●⁰	...	c ●⁰, c *a* : c ●⁰ *p* : o ●⁰, c *n*.
22	A-Cu:St-Cu:St-Cuf.	A-Cu lent : Fr-Cu.	A-Cu : St-Cu : Cu.	6	6	7	6	1	1	k	k	k	k	k	k	...	...	...	...	...	...	bc q ●⁰ *a* : bc p ●⁰ q y *p* : bc p ●⁰ *n*.
23	St-Cu : Cu.	Cu-Nb.	A-St : Nb.	8	5	9	8	10	2	k	k	k	k	j	j	...	...	△	...	●	...	bc, p ✱⁰, q *a* : c p ●△ *p* : c ●, bc and b *n*. [c p ●, b *n*.
24	Cu-Nb.	Ci-St : Cu.	A-Cu : Nb-Cuf.	8	9	5	8	9	2	j	k	k	j	j	j	✱	...	...	...	●⁰	...	c p ● and p ✱⁰ *a* : bc and c ● *p* :
25	A-Cu : Fr-Cu.	A-Cu : Cu.	A-Cu : Cu-Nb.	4	9	9	9	3	10	k	k	k	k	k	j	...	...	...	●⁰	●⁰	✱⁰	bc to c q *a* : c p ✱, △ q *p* : o ✱⁰ *n*.
26	Cu-Nb.	Ci-Cu : Cu-Nb.	A-Cu : Cu-Nb.	5	5	3	7	9	3	k	j	k	k	k	k	...	...	...	...	✱⁰	...	bc p ✱⁰, p △⁰ *a* : bc p ✱ *p* : c p ✱, b *n*.
27	St-Cu : Cu.	False Ci : Cu-Nb.	Cu : Cu-Nb.	8	2	6	2	4	2	k	k	k	k	k	k	...	...	✱⁰	...	...	...	bc p ✱⁰ q *a* and *p* : p ✱⁰, b *n*.
28	Ci to Ci-Cu.	A-St : Fr-Cu.	A-St : Cu-Nb.	3	2	7	7	9	10	k	k	k	k	j	j	...	...	...	...	✱⁰	...	bc and b y *a* : bc y, c ✱⁰ *p* : c ✱⁰, c *n*.
29	Cu : Cu-Nb.	A-Cu : Cu.	Cu-Nb.	1	1	1	3	8	9	k	l	k	k	F	j	...	...	...	...	✱	✱⁰	b *a* : bc q *p* : c p ✱² *n*.
30	Cu.	Cu : Cu-Nb.	A-Cu : Cu-Nb.	1	1	8	8	8	4	k	l	k	k	k	i	...	...	●⁰	●⁰	●⁰	...	b to c p △ *a* : c p ✱, p● △ *p* : bc *n*.
Mean Cloud m'nt.				5·4	5·1	6·3	7·2	6·3	5·2													

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

159. Aberdeen. **May, 1927**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	A-Cu : Cu-Nb.	Cu.	Ci : Cu.	1	2	1	1	2	2	k	k	j	j	j	j	...	...	...	...	...	...	Mainly fine throughout.
2	Ci-St : Cu.	A-Cu : Nb-Cuf.	A-St : Nb-Cuf.	9	9	9	10	10	10	j	i	j	j	i	H	●0	...	●0	...	...	●	c p ●0 *a* and *p* : c to o ● *n*.
3	Ci-St : St-Cuf.	A-St : St-Cuf.	A-St : Nb.	1	6	10	10	10	10	i	i	i	i	G	G	...	...	...	...	●0	●0	b to c *a* : c ●0 *p* and *n*.
4	Nb.	Nb.	Nb.	10	10	10	10	10	10	G	G	G	i	H	H	●0	●0	●	●	●	●	o ●0, ● *a* : o ● *p* and *n*.
5	St.	St-Cu : St-Cuf.	St-Cu : Fr-St	10	10	10	10	10	10	j	k	k	k	k	j	...	●0	...	...	...	...	o, c ●0 *a* : c *p* and *n*.
6	St-Cu.	St-Cu : St-Cuf.	St-Cu : St.	10	10	10	10	10	1	j	j	i	j	j	j	...	...	...	...	...	...	c *a* and *p* : c to b *n*.
7	St.	St.	St.	10	10	9	9	10	10	H	H	i	i	G	D	...	...	...	...	...	...	o to c *a* : c to o *p* : o m, f e *n*.
8	Fog.	Fog.	Fog.	10	3	1	1	10	10	E	F	H	H	D	F	...	...	...	...	...	...	o fe to b *a* : b to o f *p* : f o m *n*.
9	St-Cu : St-Cuf.	St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	j	j	j	j	...	...	...	...	...	...	Cloudy throughout.
10	St-Cu.	St-Cu : Cu.	St-Cu : Cu.	10	9	9	9	9	6	j	k	k	k	k	k	...	...	...	...	...	...	c *a* and *p* : bc *n*.
11	Ci-St : A-Cu.	A-Cu : Cu.	Ci-Cu : A-Cu.	4	4	5	7	6	9	k	k	k	j	j	j	...	...	...	...	...	...	bc y *a* and *p* : ⊕ 6h-10h.
12	St-Cu : Nb-Cuf.	St-Cu : Cu.	St-Cu : Cu.	9	9	9	8	9	10	k	k	k	k	k	k	...	...	...	...	...	...	c p ●0 *a* and *p* : c, c ●0 *n*.
13	St-Cu : St-Cuf.	St-Cu : Cu.	St-Cu.	10	10	10	10	9	9	j	k	k	k	j	j	...	...	...	...	...	...	c p ●0 *a* : c *p* and *n*.
14	Nb.	Nb.	Nb.	10	10	9	10	10	9	G	G	i	i	H	H	●	●0	●	●0	●	...	o ● and ●0 *a*, *p* and *n*.
15	Ci-St : St-Cu.	St-Cu : Cu-Nb.	St-Cu : Cu-Nb.	7	8	6	7	8	8	l	k	j	j	H	j	...	...	...	...	●0	...	bc, c p ●, p △0 *a* : c ● *p* : c p ● *n*.
16	St-Cu : Cu.	St.	St.	2	10	10	10	9	10	j	G	j	j	k	k	...	...	...	...	...	...	b to o *a* : o to c *p* : c *n*.
17	St-Cu : Cu-Nb.	A-Cu : Cu-Nb.	Ci : Cu.	3	8	7	2	1	1	k	k	k	k	k	k	...	...	...	...	...	...	bc, c p ● *a* : bc, b y *p* : b *n*.
18	—	Ci : Cu.	Ci : St-Cu : Nb.	0	1	7	8	9	7	j	k	j	j	k	j	...	...	...	...	...	...	b y, bc *a* : c p ●0 *p* : c p ●0, bc *n*.
19	Ci : Cu.	Ci-St : Cu-Nb.	A-Cu:St-Cu:Cu-Nb.	2	7	9	8	9	9	k	k	k	k	k	j	...	...	...	...	...	...	b to c *a* : c p ● △ *p* : c p ●0, c *n* : ☂
20	A-St.	A-St : Fr-Nb.	A-St : A-Cu : Cu.	10	10	10	9	5	6	i	i	j	j	k	j	●0	●	●0	...	...	...	c ● *a* : c p ●0, bc q *p* : bc *n*. [9h-13
21	St-Cu : Cu.	St-Cu : Nb-Cuf.	A-Cu : Nb-Cuf.	8	9	10	9	8	9	j	k	k	k	k	k	...	...	●0	●	●0	●0	c p ●0, c ● *a* : c p ●0 *p* : c ●0 *n*.
22	A-Cu : Cu-Nb.	Cu-Nb.	St-Cu : Fr-Cu.	6	4	8	7	1	1	k	k	k	k	k	k	...	...	...	...	...	...	bc p ●0 q *a* : bc p ●0, b *p* : b *n*.
23	Ci-St to A-St.	A-St : Fr-Nb.	A-St : Nb-Cuf.	9	10	10	10	10	9	i	j	j	j	j	j	...	...	...	...	●0	...	c, c ● *a* : c, c ●0 *p* : ●0, c *n* : ⊕ 6h-7
24	A-St : Nb.	Cu.	Cu.	10	9	3	3	8	7	k	k	l	l	k	k	●0	...	...	...	...	...	c p ●0 *a* : bc y *p* : bc *n*.
25	St-Cu : Cu.	Cu.	Cu.	8	9	8	6	2	0	k	k	l	k	k	k	...	...	...	...	...	...	bc and c *a* and *p* : b *n*.
26	St-Cu : Cu-Nb.	St-Cu : Cu-Nb.	St-Cu : Cu.	9	6	10	9	9	6	k	k	k	k	k	k	●0	...	...	...	...	...	c p ●0 *a* and *p* : bc, p ●0 late *n*.
27	A-Cu : Cu-Nb.	Cu-Nb.	Cu : Cu-Nb.	7	7	9	8	9	9	k	k	k	k	k	k	...	...	●0	...	...	●0	c p ●0 *a*, *p* and *n*.
28	A-Cu : Cu-Nb.	A-St : Cu-Nb.	A-Cu : Nb-Cuf.	9	9	9	10	9	8	k	k	k	k	k	k	●0	...	...	...	...	...	c p ● *a*, *p* and *n*.
29	Cu : Cu-Nb.	False Ci : Cu-Nb.	A-Cu : Cu-Nb.	8	8	7	9	7	8	k	k	k	k	k	k	●0	...	●0	...	...	●	c p ● *a*, *p* and *n*.
30	St-Cu : Nb.-Cuf.	A-St : Nb.-Cuf.	A-Cu : Nb-Cuf.	10	10	10	10	9	10	k	k	j	k	k	j	●0	●0	●	●0	●0	●0	c p ●0 *a* : c ●0 *p* and *n*.
31	St-Cu : Nb-Cuf.	A-Cu : Nb-Cuf.	St-Cu : Cu-Nb.	10	8	9	8	8	2	k	j	k	j	j	i	●0	...	●0	●	...	...	c ●0 *a* : c p ● *p* : b *n*.
Mean Cloud Am'nt				7·5	7·9	8·2	8·0	7·9	7·3													

160. Aberdeen. **June, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day
1	St-Cu : St.	Nb.	St.	8	10	10	10	10	10	j	j	G	H	F	G	...	...	●	●0	...	●0	c to o ● *a* : o ●0, m *p* : o ●*n*.
2	St-Cu : Nb-Cuf.	St-Cu : Cu-Nb.	St-Cu : Cu-Nb.	9	8	9	2	8	3	H	j	H	H	i	F	...	...	...	...	△	...	c p ● *a* : c p ●0 △0 *p* : c p ●, bc z
3	Ci : A-Cu.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	1	2	7	6	3	6	l	l	j	j	j	j	...	...	△2	...	...	...	b to c p ●2 △2, bc *a* and *p* : c p ●
4	A-St : Nb.	Cu-Nb.	A-St : Cu-Nb.	9	8	9	10	9	1	j	k	j	j	k	k	●0	...	...	●0	...	...	c p ● *a* : c ☇ p ●2 *p* : c to b *n*. [bc
5	Cu-Nb.	Cu-Nb.	Cu-Nb.	7	7	6	6	6	9	l	l	l	l	k	j	●0	...	●0	...	...	...	bc p ●0 *a* and *p* : c, p ●2 *n*.
6	Cu-Nb : Cu.	A-Cu : Cu-Nb.	False Ci : St-Cu.	8	9	5	7	9	9	k	k	k	j	i	i	...	●0	...	...	...	...	c p ●0 *a* : bc p ● *p* : c p ●0, o ●
7	A-Cu : Cu-Nb.	Ci-St : A-Cu : Cu.	Ci-St : A-Cu : Cu.	4	5	6	3	5	7	k	k	k	k	k	k	...	...	...	...	...	...	●0 early, bc *a* : bc *p* and *n* : ⊕ 10h.
8	Nb.	Ci-Cu:A-Cu:Cu-Nb.	A-Cu : Cu-Nb.	9	10	6	9	9	8	j	k	k	j	k	k	●0	...	...	...	●0	...	c p ●0 *a*, *p* and *n*. [☔ 24
9	Ci-Cu : Cu-Nb.	Cu-Nb.	A-Cu : Cu-Nb.	1	4	8	8	6	3	l	k	k	l	l	k	...	...	...	...	...	...	b q to c p ● *a* : c p ●0 △0 *p* : bc *n*
10	St-Cu : Cu.	Ci-St : St-Cu : Cu.	St-Cu : Cu.	6	9	9	8	9	7	l	k	k	k	l	k	...	...	...	...	...	...	bc, c *a* : c p ●0 *p* : c p ●0, bc *n*.
11	St-Cu.	St-Cu : Cu.	St-Cu : Nb.	1	1	9	9	9	9	l	k	k	k	j	j	...	...	...	●2	●	●0	␣, b to c p ●0 *a* : c p ●2 *p* : c ●0
12	Ci : St-Cu.	Ci : A-Cu : Cu-Nb.	St-Cu : Nb.	1	2	7	9	9	9	l	l	k	k	k	j	...	...	●0	...	●0	...	b to bc *p* ●0 *a* : c p ● *p* : c ●0 to bc
13	St-Cu : St.	St-Cu : St.	Cu : St.	9	9	10	10	9	8	j	k	H	i	H	H	...	...	...	...	...	...	c p ●0 *a* : c *p* : c p ●2, bc *n*.
14	Nb-Cuf.	Cu.	Cu : Fr-Cu.	4	4	2	3	1	1	k	l	l	k	l	k	...	...	...	...	...	...	p ●0, bc, b q y *a* : b q y *p* : b *n*.
15	Ci : St Cu.	Ci-St.	A-Cu : St-Cuf.	7	6	5	6	7	6	k	k	k	k	j	j	...	...	...	...	...	...	b and bc *a* : bc *p* and *n* : ⊕ 12h-16h
16	A-St : Nb.	Nb.	Nb.	10	10	10	10	10	10	j	i	H	G	G	G	...	●0	●0	●0	●0	●0	c, o ●0 *a* : o ●0 *p* and *n*.
17	A-St:St-Cu:St-Cuf.	Ci : A-Cu : Cu.	A-Cu : Cu.	9	7	5	8	4	1	H	k	j	j	j	j	...	...	...	...	...	...	c to bc *a* : c p ● *p* : b *n*.
18	A-Cu : Cu : St-Cuf.	Ci : A-Cu : Cu-Nb.	A-Cu : Cu.	7	9	5	4	4	2	j	j	k	k	k	k	...	...	...	...	...	...	bc, c p ● *a* : bc *p* : b *n*. [c ● *p* : c ● 0
19	St-Cu.	Cu-Nb.	St-Cu : Cu-Nb.	7	7	8	9	8	8	k	k	k	k	k	j	...	...	●0	●0	●0	●0	bc, c p ●0 *a* : p ●, ☇ ●2 K Q 14h-20
20	St-Cu : Cu-Nb.	St-Cu : Nb-Cuf.	St-Cu : Nb-Cuf.	8	10	9	9	9	10	j	i	k	k	j	j	...	●0	...	...	●0	...	c p ● *a* : c, c p ●0 *p* : c ● *n*.
21	A-Cu : Cu-Nb.	St-Cu : Nb-Cuf.	Cu-Nb : Nb-Cuf.	2	9	10	7	9	9	j	k	i	k	k	k	...	...	●	...	●0	...	b to c p ● *a* : c p ●0 q *p* : p ●0, c
22	Cu.	A-Cu : Cu-Nb.	A-St : Cu : Fr-Cu.	7	6	6	6	9	9	l	l	l	l	k	j	...	...	...	...	...	●0	bc q *a* : bc, c *p* : c ●0 *n*.
23	A-St : Nb.	A-Cu : Cu-Nb.	A-Cu : Cu : Fr-Cu.	10	10	8	7	7	5	i	j	k	j	j	j	●0	●	...	...	...	...	c ● to p ● *a* : bc *p* : bc, c *n*.
24	Nb.	St-Cu : Cu : Fr-St.	St-Cu : Cu.	10	9	8	8	6	6	i	k	k	k	k	k	●	...	...	...	...	...	o ● to c *a* : c, bc *p* : bc *n*.
25	A-Cu : Cu-Nb.	A-St : Nb-Cuf.	A-St : Nb-Cuf.	8	8	10	10	10	7	k	k	j	j	k	k	...	...	●0	●0	●0	...	c, c p ●0 *a* : c ●0 *p* : ●0, bc *n*.
26	St-Cu : Nb-Cuf.	A-Cu : Cu.	A-St : Nb.	10	10	8	9	10	10	k	k	k	k	i	i	●0	...	...	...	...	●0	c p ●0, c *a* : c, c ●0 *p* : o ●0 *n*.
27	A-Cu : Cu-Nb.	Ci : A-St : Nb-Cuf.	A-St : Nb-Cuf.	9	9	7	9	9	9	k	k	k	k	k	k	●	...	...	...	...	...	c p ● *q a* : c p ●0 *p* : c p ●0 *n*.
28	A-Cu : St-Cu.	A-St : Cu.	Ci : A-Cu : Cu.	9	10	4	3	6	3	H	i	j	j	k	k	...	●0	...	...	...	...	c p ●0 *a* : c p ●, bc *p* : bc, b *n*.
29	A-Cu.	St.	A-Cu : Fr-St.	1	1	7	1	3	8	j	j	j	j	j	j	...	...	...	...	...	...	b, bc *a* : b and bc *p* : c and bc *n*.
30	A-Cu:A-St:Fr-Cu.	Fr-St.	St.	10	10	6	10	10	10	i	i	i	i	H	F	...	●0	...	...	...	...	c ●0 *a* : o, o m e *p* : o f e *n*.
Mean Cloud Am'nt				6·7	7·3	7·3	7·2	7·4	6·8													

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

161. Aberdeen. **July, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-Cu : Fr-St.	Ci : St-Cuf.	Nb-St.	6	3	3	10	10	10	j	j	j	j	j	j	...	...	...	...	●0	●0	bc *a* : bc to o ●0 *p* : o ●0, o *n*.
2	St.	St-Cu.	St-Cuf.	10	10	10	9	8	10	j	j	k	k	k	k	...	...	...	...	...	...	o to c *a* : c *p* : c to o *n*.
3	St-Cu : St.	A-Cu.	Ci.	10	7	6	1	1	1	i	j	i	i	i	H	...	...	...	...	...	...	c, bc *a* : b *p* : b ☌ *n*.
4	A-Cu : St.	Nb.	Nb.	9	10	10	9	10	1	H	H	H	H	H	H	...	●0	●0	...	●	...	c to o ●0 *a* : c, o ● *p* : o ●0 to b, c *n*.
5	A-Cu : Fr-Nb.	Cu-Nb : Fr-Nb.	Nb.	7	1	10	10	10	8	i	i	H	H	H	H	...	...	●2	...	...	...	● early, b to o ☇ ●2 *a*: ☇ ●2 to o ●*p* : [c to bc *n*.
6	A-Cu : Cu.	False Ci : Ci-Cu.	False Ci : Ci-Cu.	4	2	1	1	1	2	j	k	i	i	j	i	...	...	...	...	...	...	bc, b *a* : b *p* : b ☌ *n*.
7	St.	St.	Nb.	9	9	9	10	10	10	H	j	G	E	H	H	...	...	...	●0	●0	●0	bc and c *a* : c, o ● f e *p* : o ●0, o *n*.
8	St.	A-Cu : St.	A-Cu.	8	2	6	6	8	10	H	H	i	j	j	j	...	...	...	...	...	...	c, b, bc f *a* : bc to c *p* : c, c ●0 *n*.
9	A-Cu : St-Cu.	Ci-St : A-Cu.	Ci.	6	4	4	2	1	1	j	j	k	k	k	k	...	...	...	...	...	...	p ● early, bc *a* : bc, b *p* : b *n*.
10	A-Cu.	A-Cu : Cu-Nb.	A-Cu : Cu.	4	5	6	8	7	8	k	l	k	k	k	k	...	...	...	...	...	...	bc *a* : T, bc *p* : c *n*.
11	A-St : Fr-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	j	j	j	j	...	●0	...	...	...	...	c, ●0, c *a* : c *p* : c to o *n*.
12	St.	A-Cu : St-Cuf.	St-Cuf.	10	10	8	9	9	10	i	j	j	j	j	i	...	...	...	...	...	...	o to c *a* : c, bc *p* : c, o *n*.
13	St.	St.	St-Cuf.	10	10	10	10	9	10	i	i	i	i	j	i	...	...	...	...	...	...	o, ●0, o *a* : o, c *p* : c, o *n*.
14	St.	St.	A-Cu.	10	10	1	1	1	10	G	G	i	i	H	G	...	...	...	...	...	...	o ●0 to b *a* : b *p* : b to o *n*.
15	St.	St-Cu : Cu.	St-Cu : Cu.	10	10	7	9	9	3	E	F	j	i	j	i	...	...	...	...	...	...	o f e to bc *a* : bc, c *p* : bc *n*.
16	Ci : Cu.	Ci : Cu.	Ci : Ci-Cu.	1	1	1	1	1	1	l	m	m	m	m	l	...	...	...	...	...	...	b () y *a* and *p* : b *n*.
17	St-Cu.	Ci-Cu : Cu.	Ci : St-Cu.	9	3	9	9	7	7	k	k	k	k	k	k	...	...	...	...	...	...	bc and c *a* : c, bc *p* : bc, c *n*.
18	St-Cuf.	St-Cu.	St-Cu : Cu.	8	9	9	8	2	1	k	l	l	l	l	l	...	...	...	...	...	...	c, c p ●0 *a* : c to b *p* : b *n*.
19	St-Cu.	Ci : Cu.	Ci : St-Cu.	10	9	1	2	1	2	k	k	k	k	k	k	...	...	...	...	...	...	c to b *a* : b *p* and *n* : ⊕ 13h.
20	A-Cu : Fr-St.	Nb.	Nb.	9	10	10	10	10	10	j	i	H	H	H	H	...	...	●	●0	●	●0	c to o ● *a* : o ● *p* : o ●0, o m *n*.
21	St : Fog.	St.	St : Fog.	10	10	10	10	10	10	E	D	F	C	B	C	...	...	●	...	...	...	o f, fe ● *a* : o f_2 *p* : o f_2 e *n*.
22	St : Fog.	St-Cu : St.	St-Cu : St-Cuf.	10	10	9	9	9	10	C	E	H	j	k	j	...	...	...	...	...	●0	o f_2 e, ●0, c *a* : c *p* : c, o ●0, c *n*.
23	St-Cu : Fr-St.	Ci-St : A-Cu : Cu.	St-Cu : Cu-Nb.	9	6	6	8	10	8	j	k	k	k	j	j	...	...	...	...	...	...	c to bc *a* : c p ●2 *p* : c p ●, bc *n*: ⊕ 13h.
24	Ci-St:A-Cu:St-Cu.	St-Cu : Cu.	St-Cu : Cu-Nb.	8	8	9	9	8	8	k	k	k	k	k	k	...	...	...	...	●0	...	c *a* : c, c p ●0 *p* : c, bc *n*.
25	A-St:St-Cu:M-Cu.	Ci : A-Cu : Cu.	A-Cu : Cu.	10	9	7	9	4	4	k	j	l	k	j	j	...	...	...	...	...	...	c to bc y *a* : c y *p* : bc *n*.
26	St-Cu : Fr-St.	A-Cu : St-Cu : Cu.	Nb.	8	3	7	10	10	10	j	j	j	H	G	F	...	...	...	●0	●2	...	c to bc *a* : c ●0 to o ●2 *p* : o m ,f e *n*.
27	Fog.	Nb.	St-Cu : St.	10	10	10	10	9	10	D	B	G	G	H	H	...	●0	●0	...	...	...	o f_2 e, f_2, ●0 *a*:o ●0 to c *p*:c to o *n*.
28	Nb.	A-St : Nb-Cuf.	A-Cu : Nb-Cuf.	10	10	10	9	9	9	H	H	j	k	k	j	●	●	●0	...	●0	●0	o ● *a* : c p ●0 *p* : c ●0 *n*.
29	Fog.	St-Cu : Cu.	A-Cu lent.	10	7	2	3	2	1	D	G	k	j	j	H	...	...	...	...	...	...	o f to b *a* · bc and b *p* : b to bc *n*.
30	A-Cu:St-Cu:St-Cuf.	A-Cu : Fr-St.	A-St : Nb.	9	10	4	10	10	10	G	i	H	H	G	H	...	...	...	...	●0	...	p ● early, c to bc *a* : c ●0 *p* : c ●0 to b *n*.
31	St-Cu : Fr-St.	Ci : Cu : Fr-Cu.	Ci : St-Cu : Cu.	2	5	2	8	2	1	j	j	k	k	j	j	...	...	...	...	...	...	b and bc *a* : b and c *p* : b and bc *n*.
Mean Cloud Am'nt				8·3	7·2	6·7	7·4	6·7	6·6													

162. Aberdeen. **August, 1927.**

1	A-Cu:St-Cu:Fr-St.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	4	1	3	6	1	1	j	j	j	j	j	j	...	...	...	...	...	...	b and bc *a* : bc *p* : b *n*.
2	St-Cu.	Ci : A-Cu : Cu.	Ci-Cu:A-Cu:St-Cu.	6	2	3	2	7	9	k	k	k	k	k	j	...	...	...	...	...	...	b and bc y *a* : bc *p* : c, c ●0 *n*.
3	A-Cu : St-Cu.	A-Cu : Cu.	Ci-St : A-Cu : Cu.	8	9	8	4	2	2	k	k	k	k	j	j	...	...	...	...	...	...	c *a* : bc p ●0, b *p* : b *n*.
4	St-Cu.	Ci.	Ci-St : A-St.	9	1	1	3	5	10	H	i	k	j	k	j	...	...	...	...	...	...	c to b *a* : bc *p* : c *n* : ⊕ 18h.
5	A St : Nb.	A-Cu : St-Cu.	A-Cu : St-Cuf.	10	10	9	8	7	10	i	i	j	i	i	E	...	...	...	...	...	...	●0 early, c *a* : c, bc *p* : bc, o f e ●0 *n*.
6	Nb : Fog.	St.	Fog.	10	10	10	10	10	10	D	E	G	G	D	D	●0	...	...	...	...	...	o f ●0, m *a* : o, o fe *p* : o f e, ●0 *n*.
7	St : Fog.	Nb : Fog.	St-Cu : Fr-St.	10	10	10	10	7	9	D	D	C	E	F	i	...	●0	●0	...	...	...	o fe ●0, f_2 ●2 *a* : o fe, ●0, bc m *p*:c *n*.
8	Ci-St : Fr-St.	A-St : St-Cuf.	Nb-St.	7	9	10	10	10	10	i	i	i	H	i	D	...	...	...	...	●0	●	bc to c *a* : c p ●2, o ●0 *p* : o f2 ●2 *n*.
9	A-Cu : Fr-Nb.	Cu-Nb.	St.	9	10	1	4	9	10	i	H	j	i	i	H	...	...	...	...	...	...	o ●2 to ●0, c to b *a* : bc *p* : c to o *n*.
10	St.	St-Cu : Cu-Nb.	St-Cu.	10	10	2	1	1	1	F	F	i	j	j	j	...	...	...	...	...	...	o m, p ●0 to b *a*:b *p*:b to c ☌ *n*.
11	St-Cu.	A-Cu : Cu-Nb.	A-St : Cu-Nb.	9	8	7	7	8	10	H	i	i	i	H	E	...	...	...	...	...	...	c p ● *a* : bc p ●0 *p* : c to o f *n*.
12	A-Cu : Fr-Nb.	A-St : Nb-Cuf.	A-Cu : St-Cu : Cu.	9	10	10	8	2	1	i	i	k	k	l	k	...	...	...	...	...	...	f, p ● early, c, c p ● *a* : c to b *p* :
13	St-Cu : Cu.	St-Cu : Fr-Cu.	Ci : A-Cu : St-Cu.	9	9	9	9	4	9	k	k	k	k	k	j	...	...	...	...	...	...	c *a* : c to bc *p* : c *n*. [b ☌ *n*.
14	A-Cu.	A-St : Nb.	A-Cu : Nb-Cuf.	8	9	10	10	9	10	k	k	k	j	k	j	...	...	●0	●0	●0	●	c, c ●0 *a* : c ● *p* : c ●, c *n*.
15	A-Cu : Nb-Cuf.	Ci-Cu : St-Cu : Cu.	Ci-Cu:St-Cu:Fr-Cu.	3	6	4	6	3	9	k	k	l	l	k	k	...	...	...	...	...	...	c p ● early, bc *a* : bc *p* : c to b *n*.
16	Ci : A-Cu : St-Cu.	Ci-Cu : A-Cu : Cu.	A-St : Nb.	5	8	8	9	10	10	k	k	k	i	i	i	...	...	...	●2	●	●0	bc and c *a* : c p ●2 *p* : c● to ●0 *n*.
17	A-Cu:St-Cu:Nb-Cuf	A-Cu:St-Cu:Cu-Nb.	A-Cu:Cu-Nb:St-Cuf	9	7	4	2	3	4	i	k	k	k	j	H	...	...	...	...	...	...	c ●0 to bc, c p ●2 *a* : bc *p* : bc, c *n*.
18	Fog.	Ci-St : A-Cu : Cu.	A-Cu : Cu.	10	3	6	9	8	2	D	E	k	k	k	k	...	...	...	...	...	...	o f to bc *a* : c *p* : c to b *n*.
19	Ci-St:A-Cu:St-Cuf.	Ci : Cu.	A-Cu : St-Cu : Cu.	7	7	4	2	8	8	k	k	l	k	j	j	...	...	...	...	...	...	bc *a* : b to c *p*:c to b *n*:⊕ 7h-9h
20	A-Cu : St-Cu.	A-Cu : Cu.	A-St : St-Cu.	5	6	8	8	10	10	j	k	j	k	j	H	...	...	...	...	...	●0	bc *a* : c, c p ●0 *p* : c ●0 *n*.
21	Nb.	A-Cu : Cu-Nb.	A-Cu : Cu : Fr-St.	9	8	3	2	4	9	j	k	j	j	j	i	...	...	...	...	...	●0	c ● to bc T *a* : bc T, b *p* : bc, c ●0 *n*.
22	A-Cu:St-Cu:Fr-St.	A-Cu:Cu-Nb:Fr-St.	A-St:A-Cu:Cu-Nb.	9	6	3	5	9	9	G	j	j	j	j	j	...	...	...	...	...	...	●0 early, bc *a* : bc to c *p* : c, c p ●0 *n*.
23	Ci-Cu:A-Cu:St-Cuf.	Ci : A-Cu : Cu.	A-Cu : St-Cu : Cu.	7	8	9	9	4	8	k	j	k	l	l	k	...	...	...	...	...	...	c p ●0 *a* . c to bc *p* : bc to c *n*.
24	St-Cu : Nb-Cuf.	St-Cu:Cu-Nb : Cu.	A-Cu : St-Cu : Cu.	9	9	8	2	2	1	j	k	k	k	k	k	●0	...	...	...	...	...	c p ●0 *a* : c to b *p* : b ☌ *n*.
25	Ci.	Ci-Cu : Cu.	St-Cu.	1	1	1	1	6	1	H	k	k	k	k	k	...	...	...	...	...	...	b *a* : b to bc *p* : bc to b *n* : ⊕ 9h.
26	A-Cu:St-Cu:Fr-St.	A-St : St-Cu.	A-St : St-Cu.	9	10	10	9	10	7	j	j	j	k	j	k	...	●0	...	...	...	...	c ●0, c *a* : c *p* : bc *n*.
27	A-Cu : St-Cuf.	Ci-Cu lent : Cu.	Ci-Cu : A-Cu : Cu.	5	3	2	3	8	1	k	k	k	k	k	k	...	...	...	...	...	...	bc q, b y *a* : bc y *p* : c to b *n*.
28	Ci-Cu:A-Cu:A-St.	A-Cu : Cu.	Cu : Cu-Nb.	8	3	3	6	6	1	k	k	k	k	k	k	...	...	...	...	...	...	c to bc *a* : bc, p ● *p* : b *n*.
29	St-Cu : Nb-Cuf.	Cu.	Ci : A-Cu : Cu.	5	1	3	2	2	1	j	k	l	k	k	j	...	...	...	...	...	...	p ●0, b and bc *a* : b y *p* : b ☌ *n* :
30	—	St-Cu : Cu.	Ci : Cu.	0	0	1	1	2	1	H	j	k	k	j	j	...	...	...	...	...	...	b, b y *a* : b *p* and *n*. [♅ 21h-22h.
31	A-St:St-Cu:Nb-Cuf.	A-Cu:St-Cu:St-Cuf.	St.	9	10	9	10	10	10	j	i	j	i	F	F	...	...	...	...	...	...	c p ●0 *a* : c to o m *p* : o m f *n*.
Mean Cloud Am'nt				7·4	6·6	5·8	5·7	6·0	6·3													

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

163. Aberdeen. **September, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Fog.	A-St : St.	A-Cu : St-Cu : Fog.	10	10	6	9	10	10	E	D	H	F	E	j	...	...	...	...	...	●0	o f e to o ● m, bc *a* ; c m and f_2 *p* : c p ●0 to b *n*.
2	A-Cu : St-Cu.	Ci-St : Fr-Cu.	A-St : Fr-Cu.	1	1	3	3	9	2	j	k	j	j	j	j	...	...	...	...	...	...	b to bc *a* : bc to c *p* : c to b *n* :
3	Ci : A-Cu.	Ci-St : Cu.	Ci-Cu : A-Cu.	7	3	5	4	4	3	H	i	i	i	j	i	...	...	...	...	...	...	bc *a*, *p* and *n*. [⊕ 11h-14h.
4	St-Cu.	St.	Ci-St.	2	3	1	1	2	9	j	j	k	k	k	i	...	...	...	...	...	...	b and bc *a* : b *p* : b to o *n*.
5	St.	St.	St.	10	5	10	9	10	10	F	H	i	H	H	H	...	...	...	...	...	...	o f, m, bc and o *a* : c, o *p* : o, ●0 late *n*.
6	St.	St.	Nb : Fog.	9	10	10	10	10	10	H	H	H	G	C	G	...	...	...	●0	●	●	c to o *a* : o ●0, f_2 e ● *p* : of T ● and ●2 m *n*. [c to b *n*.
7	Nb.	A-St : Nb.	St-Cu : Cu.	10	10	10	10	8	1	i	i	i	j	k	k	●0	...	●0	●0	...	...	o ●0 and ●2 to c ●0 *a* : c ●0, c *p* :
8	A-St : Nb.	A-Cu : Nb.	A-St : Nb.	10	10	9	10	10	10	i	F	i	i	F	H	●0	●0	...	...	●	●0	c and o ●0 m *a* : c, c ● m *p* : c ● *n*.
9	A-St : Fr-Nb.	A-Cu : St-Cu : Nb.	St-Cu : Cu.	10	9	10	3	7	8	k	j	k	l	k	j	...	...	...	...	...	...	c p ●0 *a* : b and c *p* : c p ●0, c *n*.
10	St-Cu : Fr-Nb.	St-Cu : Cu-Nb.	Ci-Cu:St-Cu:Cu-Nb	7	7	9	8	8	3	j	k	k	k	k	k	...	...	...	...	...	...	bc and c *a* : c p ●, p ● ▲ *p* : [bc p ●0 *n*.
11	Cu-Nb.	Cu-Nb.	St-Cu : Nb-Cuf.	10	8	7	4	7	3	j	k	k	l	l	k	●	...	...	...	●0	...	c p ● q *a* : bc p ●0 *p* and *n*.
12	Cu-Nb.	St-Cu : Cu-Nb.	A-Cu:St-Cu:Nb-Cuf	9	4	9	9	8	8	j	k	k	j	k	k	●0	...	●0	...	●0	●0	c p ●0 *a* and *p* : c p ● *n*.
13	Ci-Cu : St-Cu.	A-Cu : Cu.	A-St : St-Cu : Cu.	6	8	8	9	9	9	j	j	l	k	k	k	...	...	...	...	...	...	bc and c p ●0 *a* : c p ● *p* : c *n*.
14	St-Cu : Cu-Nb.	Cu to Cu-Nb.	A-Cu : Cu-Nb.	3	4	4	4	1	4	k	k	l	k	k	k	...	...	...	...	...	...	bc p ●0 *a* and *p* : bc *n*.
15	Ci-St : Cu-Nb.	Ci : Cu.	Ci-Cu : A-Cu.	1	2	2	2	3	3	i	k	k	j	j	k	...	...	...	...	...	...	b and bc *a* : b *p* : bc ⊃ *n*.
16	A-Cu : St-Cu.	A-St : Fr-Nb.	A-St : Nb.	7	9	10	10	9	2	k	j	H	j	j	k	...	...	●0	●0	●	...	bc ⊃, c ●0 *a*: c ●0, ●2 K Q *p*: c ● to
17	Ci-Cu : St-Cu : Cu.	A-Cu : St-Cu : Cu.	A-Cu:St-Cu:Fr-Cu.	1	4	9	5	3	10	k	k	k	k	k	j	...	...	...	...	...	...	b to c *a* : bc p ●0 *p*: b to c *n*. [b *n*: ⊕ 8h
18	A-Cu lent : Cu.	A-Cu : Cu : Cu-Nb.	A-Cu : Cu-Nb.	1	9	2	7	5	1	k	k	k	k	k	k	...	...	...	...	...	...	bc p ●0 *a* and *p* : b *n*.
19	A-St : A-Cu.	A-St : Nb.	St-Cu : Fr-Nb.	9	10	10	10	9	10	i	i	i	H	H	H	...	...	●0	●0	●0	●0	c, c ●0 *a* : c ● and ●0 *p* : c ● 0 to b *n*.
20	Ci-St : A-Cu : St-Cu.	Ci : A-Cu : Cu.	St-Cu : Fr-St.	6	6	8	9	9	10	j	j	k	j	H	i	...	...	...	●0	...	...	bc, c p ●0 *a* : c ●0 *p* : c *n* : ⊕ 6h-8h.
21	A-St : Nb-Cuf	A-St : Nb.	A-St : Nb-Cuf.	10	10	10	10	9	9	j	k	k	k	k	j	●0	●0	●0	●0	●0	...	c ●0 *a* and *p* : c *n*.
22	Nb : Fr-Nb.	Nb.	Nb.	10	10	10	10	10	10	i	i	i	i	i	H	●	●	●	●	●	●	o ● to o ● and ●2, q *a*, *p* and *n*.
23	A-St : Nb-Cuf.	A-Cu : Nb-Cuf.	A-Cu : Fr-Nb.	10	10	8	8	8	9	j	j	k	k	j	j	●	●	...	...	...	...	c ● q *a* : c p ●0 q *p* : c to b *n*.
24	A-Cu : St-Cu.	Ci : Cu-Nb.	A-Cu : Cu-Nb.	9	9	6	3	2	4	k	j	k	k	j	j	...	...	...	...	...	...	c, c p ● *a* : bc p ●0 *p* : b and bc *n*.
25	St-Cu : Fr-Nb.	A-St : Cu-Nb.	St-Cu : Fr-Nb.	9	9	10	10	9	2	k	j	j	j	j	j	●0	...	●0	●	●0	...	c ●0 to ●2 *a* : c ● *p* : c ●0, b and [bc *n* : ♊ 23h.
26	St-Cu : Fr-Nb.	A-Cu : Nb-Cuf.	A-Cu : Nb-Cuf.	8	9	8	10	9	8	j	k	k	j	j	j	●0	...	...	●	...	...	c p ●0 *a* : c ● *p* : c to b *n*.
27	St-Cu : Fr-Nb.	Ci : A-Cu : Cu-Nb	Ci : St-Cu : Fr-Cu.	10	1	3	4	3	2	i	j	k	k	G	i	●0	...	...	...	...	...	b and bc p ●0 *a*, *p* and *n*.
28	A-St : Fr-Nb.	A-St:St-Cu:St-Cuf.	A-St : Nb.	10	10	10	10	10	10	i	j	j	j	i	i	...	...	...	●0	●0	●0	c q *a* : c ●0 *p* and *n*. [et seq.
29	Nb.	A-St : Cu-Nb.	St-Cu : Cu-Nb.	10	10	9	3	2	1	H	j	k	j	j	H	●	...	...	...	...	...	o ● to c *a* : c to b *p* : b *n* : ♊ 21h 30m
30	Ci-Cu : St-Cu.	Ci-Cu : A-Cu : Cu.	A-St : St-Cu.	3	6	9	9	9	4	j	j	j	j	k	j	...	...	...	...	...	...	bc, c *a* : c *p* : c to b *n* : ♊ 19h et seq.
Mean Cloud Am'nt				7·3	7·2	7·5	7·1	7·1	6·2													

164. Aberdeen. **October, 1927.**

1	A-Cu : St-Cu.	A-St : Nb.	Ci-Cu : St-Cu.	8	3	9	7	3	3	k	k	j	j	j	j	...	...	●0	...	...	...	bc and c, ●0 *a* : c p ●, bc *p* : bc *n*.
2	Nb.	A-St : Nb.	A-St : A-Cu : Nb.	10	10	10	10	8	3	i	H	i	j	k	k	●	●	●0	●	●0	●0	o ● to c ● q *a* and *p* : bc p ●0 q *n* :
3	St-Cu : Cu.	Ci-St : Cu.	Ci-Cu : Fr-Cu.	1	1	2	3	2	1	k	l	l	k	j	j	...	...	...	...	...	...	b *a* : bc *p* : b, bc p ●0 late *n*. [♊ 21h.
4	St-Cu.	Cu.	Ci : St-Cu.	8	1	1	1	1	1	j	k	l	k	j	H	...	...	...	...	...	...	c to b *a* : b *p* and *n*.
5	Ci.	Ci.	A-Cu.	1	1	1	1	8	10	G	F	i	G	F	F	...	...	...	...	...	...	b ⌴, b *a* : b to c *p* : c z *n*.
6	St-Cu.	A-Cu.	A-Cu : St-Cu.	9	10	8	8	8	8	j	j	j	j	i	H	...	...	...	...	...	...	c *a* and *p* : c p ●0, bc *n*.
7	Ci-Cu : St-Cu.	Cu.	St-Cu.	1	1	1	1	3	0	i	j	k	j	H	H	...	...	...	...	...	...	b *a* and *p* : bc and b ⊃ *n* : ♊ 21h.
8	Ci.	Ci : St-Cu.	St-Cuf.	1	0	5	8	9	10	F	G	j	j	j	i	...	...	...	...	...	●0	b m ⊃ to bc *a* : c *p* : c, o ●0 *n*.
9	Nb-St.	Nb : St-Cuf.	St-Cu.	10	10	9	8	8	9	i	i	j	i	H	H	●0	●0	●0	...	...	...	o ●0 *a* : c *p* and *n*.
10	St-Cu.	St-Cu.	St-Cu.	8	9	9	9	9	9	H	G	H	G	F	G	...	...	...	...	...	...	c *a* and *p* : c z, c *n*.
11	St-Cu.	St-Cu.	St-Cu.	9	9	9	9	10	10	H	H	i	i	H	H	...	...	...	...	...	...	Cloudy throughout.
12	St.	St-Cu : St.	St-Cu.	9	9	9	8	9	9	i	G	i	G	F	G	...	...	...	...	...	...	c *a* and *p* : c z, c *n*.
13	A-Cu : Fr-Nb.	St-Cu : St-Cuf.	St-Cu : Nb-Cuf.	8	7	8	10	10	9	i	j	k	k	j	j	...	...	...	●0	●0	...	●0 early, bc, c p ●0 *a* : c ●0 *p* and *n*.
14	St-Cu : Fr-Nb.	St-Cu : Nb-Cuf.	St-Cu : Cu.	9	10	8	9	10	8	j	j	k	k	k	j	...	...	...	...	...	...	c ●0 *a* : c *p* : c p ●0, c *n*.
15	A-Cu : St-Cu.	A-Cu : Nb.	A-Cu : Nb.	8	8	10	9	10	10	i	i	i	H	j	j	...	...	●0	...	●0	...	c *a* : c ● and ●0 *p* : c ●, bc *n*. [♊ 24h.
16	Ci : A-Cu : St-Cu.	A-St : Nb.	St-Cu : Nb.	8	6	10	10	9	8	l	k	j	H	G	j	...	...	●0	●	...	...	bc, c ●0 *a* : o ● *p* : c ●0 to b *n* :
17	St-Cu : Cu.	Cu-Nb : Fr-Nb.	St-Cu : Cu-Nb.	4	7	7	2	3	3	k	k	k	k	k	k	...	...	...	...	...	...	bc p ●0 *a* and *p* : bc p ● q *n*.
18	Cu-Nb.	A-Cu : Cu.	A-Cu : St-Cu.	1	1	8	9	5	0	k	k	k	j	j	j	...	...	...	...	...	...	p ● early, b to c *a* : c p ●0 *p* : b & bc n
19	St-Cu : Cu-Nb.	Cu-Nb.	Cu-Nb.	1	1	2	2	1	1	k	k	k	k	j	j	...	...	...	...	...	...	b and bc p ●0 *a* and *p* : b *n*. [⊕ 11h
20	Cu-Nb.	Cu.	St-Cu : Cu-Nb.	1	1	3	3	1	1	k	k	k	k	j	j	...	...	...	...	...	...	b ⌴ to bc *a* : b and bc *p* : b ⌴ *n*
21	Ci : Cu-Nb.	Cu.	Ci : Cu.	1	1	1	1	1	0	k	j	k	k	j	G	...	...	...	...	...	...	Fine throughout.
22	Nb.	Nb.	Nb.	10	10	10	10	10	10	j	j	H	H	H	H	●	●	●	●0	●	●0	Dull and rainy.
23	Nb.	A-St : Nb-Cuf.	A-St : Nb-Cuf.	10	10	10	10	10	10	j	i	j	i	H	H	...	●	...	...	●	●0	Dull and rainy.
24	St-Cu.	Nb.	Nb.	7	9	10	10	10	10	i	G	j	H	i	i	...	...	●0	●0	...	...	p ●0 early, bc to o ●0 *a* : o ● *p* & *n*.
25	Ci : A-Cu.	A-St : St-Cuf.	A-Cu : Fr-Nb.	7	8	9	8	8	10	j	k	j	j	j	i	...	...	...	...	●0	...	● early, bc and c *a* : bc, c ●0 *p* : [b to o ● *n*.
26	A-Cu : St-Cu.	A-St : Nb.	Cu.	7	9	10	4	1	0	j	F	G	j	i	H	...	...	●	...	...	...	o ● to bc to c ● *a* : c ● to b *p* b.
27	A-Cu : Nb-Cuf.	Cu.	Cu.	8	5	3	1	1	1	j	k	k	k	j	i	●	...	...	...	...	...	c ●, ●2 to bc q y *a*:b q *p*:b *n*. [b to c*n*.
28	Ci : A-Cu.	Nb.	Nb.	5	9	10	10	10	10	j	j	G	G	G	G	...	...	●	●0	●	●0	b to o ● *a* : o ● and ●0 *p* and *n*.
29	A-Cu : Nb-Cuf.	Ci : Cu.	A-Cu lent.	9	2	1	1	8	10	k	k	l	k	H	H	...	...	...	...	...	...	●0 early, c q to b *a* : b to c *p* : c p ●0,
30	A-St : Fr-St.	A-St : Nb-St.	A-St : Fr-Nb.	9	9	10	10	9	4	i	i	H	H	i	i	...	...	●0	●0	...	...	c *a* : c ●0, c *p* : c to b and bc *n*. [c *n*.
31	A-St : St-Cu.	A-Cu : St-Cu : Cu.	A-Cu.	7	8	8	1	9	2	j	k	k	j	j	i	...	...	...	...	...	...	b to c *a* : c, b, c *p* : c to b *n*.
Mean Cloud Am'nt				6·3	6·0	6·8	6·2	6·6	5·8													

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

165. Aberdeen. **November, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-St : Nb.	Nb.	Nb.	10	10	10	10	10	10	H	G	G	G	G	F	●0	●	●	●	●0	…	c ●0 to o ● a : o ● p : ●0, o m n.
2	A-St : Nb.	Ci-Cu : A-Cu.	Ci.	10	8	1	1	1	4	H	H	j	k	k	j	●	…	…	…	…	…	c ● to b y a : b p : bc and c n.
3	A-St:A-Cu:Fr-Nb.	A-St : St-Cu : Cu.	Cu.	10	10	7	1	1	4	j	j	l	k	k	j	●0	…	…	…	…	…	c ●0 to bc a : bc, b p : b and bc n.
4	Ci-Cu : St-Cu.	St-Cu : Cu : Cu-Nb.	St-Cu : Cu.	2	9	3	1	1	5	j	j	k	k	k	j	…	●	…	…	…	…	b and bc, c p ● a : bc p ✱0, b p:bc n.
5	A-St : St-Cu.	St-Cu : Cu.	A-Cu : St-Cu.	10	8	1	1	2	2	j	j	k	k	i	i	…	●0	…	…	…	…	c p ●0, b y a : b y, b p : b n.
6	Cu-Nb.	Cu-Nb : Nb-Cuf.	St-Cu : Cu-Nb.	1	1	8	10	1	2	k	k	k	j	k	k	…	…	…	✱	…	…	b ⌴ to c a : c ✱ to b p : b and bc n.
7	A-Cu : Cu-Nb.	A-St : Cu-Nb.	St-Cu : Cu-Nb.	9	9	4	6	2	3	k	k	k	k	k	k	…	…	…	…	…	…	c p ● a:bc p✱0△0, b ⌴ p:b & c p✱n.
8	Cu-Nb.	Cu-Nb.	St-Cu lent.	5	8	2	3	1	2	j	j	k	j	k	k	✱0	…	…	✱0	…	…	bc p ✱0 a and p : b and bc n : ▨ 3 cm
9	Cu-Nb.	Cu-Nb : Fr-Nb.	Nb.	8	2	8	3	8	2	j	j	j	j	j	k	✱0	…	✱0	…	✱0	…	c p ✱, p ✱ and p ✱ △ a and p: bc, c [✱ n.
10	Nb.	Cu-Nb.	Cu-Nb.	10	9	9	7	5	8	j	k	k	k	j	j	✱0	…	✱0	…	✱	✱	c p ✱ and p ✱ q a, p and n : ▨ 1·5cm.
11	Cu-Nb.	A-Cu : Cu-Nb.	Cu-Nb.	2	2	4	7	2	2	k	k	k	k	j	k	…	…	…	…	…	…	bc p ✱ and p ✱ △ a, p and n : ▨ [2.5 cm.
12	Cu : Cu-Nb.	Ci-Cu : St-Cu.	Ci-Cu : St-Cu.	4	6	5	2	1	1	k	j	k	j	i	i	…	△0	…	…	…	…	c p ✱ △, bc a: b p:b to c n:▨ 2.5 cm.
13	St-Cu : Nb.-Cu	Ci-Cu : Nb-Cuf.	St-Cu : Nb.	9	5	6	8	10	10	k	k	k	k	j	i	●0	…	…	…	…	●0	c p ●0, bc a : c, c ●0 p : o ●0, c n.
14	St-Cu.	Nb.	St-Cu.	8	8	10	10	3	1	j	j	F	G	H	i	…	…	●	●	…	…	c to o ● z a : o ● to bc p : b n.
15	St-Cu.	A-St.	A-St : Nb.	1	1	6	9	10	10	k	F	G	E	G	G	…	…	…	…	●0	…	b ⌴, m a : c z and f, ●0 p : c ●0 to o m n.
16	A-St : Nb.	A-St : Fr-Nb.	A-St : Nb.	10	10	8	10	10	8	H	H	H	F	G	G	●0	●0	…	…	●0	…	o ●, c ●0 a : c m, c ●0 p : c ●0, c n.
17	St-Cu.	St-Cu.	St-Cu.	9	9	9	8	9	8	H	F	H	G	G	H	…	●0	…	…	…	…	c ● and c a : c and c m p : c n.
18	A-St : Nb-Cuf.	Nb.	Nb.	10	10	10	10	10	10	j	i	i	i	i	i	●0	…	…	●0	…	●0	c ●0 to o a : o ●0 p and n.
19	A-St : Nb-Cuf.	A-St : Nb-Cuf.	Nb.	10	10	10	10	10	10	j	i	j	j	j	j	…	●	●	…	…	…	c to o ● and ● ▲ a and p : o ● ▲ to
20	St-Cu.	Nb.	Nb.	8	8	9	10	10	10	j	j	j	j	j	j	…	…	●	●	●	…	c p ●0, p ▲0 a:o ● p:o ●0, c n. [c n.
21	Nb.	Nb.	Nb.	9	10	10	10	10	10	j	j	j	j	j	j	…	…	…	…	…	…	c and o ● a, p and n.
22	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	G	H	H	H	H	●	●	●0	●	●0	●0	Overcast and rainy throughout.
23	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	H	i	H	H	H	●	●0	…	…	●	●0	Overcast and rainy throughout.
24	St-Cu.	St-Cu.	St-Cu.	1	1	1	1	1	0	H	i	k	k	j	j	…	…	…	…	…	…	●0 early, b a : b p and n.
25	A-Cu.	A-Cu.	A-Cu : Fr-Cu.	1	3	2	8	9	10	j	j	j	j	i	H	…	…	…	…	…	…	b and bc a : bc, c p : c n.
26	A-Cu : St-Cu.	A-Cu : Cu : Fr-Cu.	A-Cu : St-Cuf.	8	8	9	8	10	10	j	j	j	j	j	j	…	…	…	…	…	…	Cloudy throughout.
27	A-Cu : St-Cu.	False Ci : A-Cu.	—	8	8	1	1	0	0	k	k	k	k	j	j	…	…	…	…	…	…	c to b a : b p and n : ♕ 18h et seq.
28	St-Cu.	A-St : St.	A-St : Fr-St.	10	9	9	10	10	10	i	i	i	i	j	j	…	…	…	…	…	…	c, c q a : c p : c to b n.
29	St-Cu.	Cu-Nb.	St-Cu : Cu.	1	1	6	1	3	8	k	k	k	k	k	j	…	…	●0	…	…	…	b, bc p ●0 a and p : c n.
30.	St-Cu.	St-Cu.	Nb.	6	6	5	6	10	8	H	E	i	i	i	i	…	…	…	●0	●0	…	bc ⌴, f, p ●0 a : bc p ●0 p : c n.
Mean Cloud Amnt				7·0	7·0	6·4	6·4	6·0	6·3													

166. Aberdeen. **December, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-Cu : St-Cu.	St-Cu.	A-St : St-Cu.	5	7	9	10	8	10	j	H	H	H	H	H	…	…	…	…	…	…	bc and c a : c p and n.
2	A-Cu : St-Cu.	A-St to A-Cu.	A-St.	8	9	4	4	1	9	i	i	H	F	F	F	…	…	…	…	…	…	c a : bc to b z p : b and c m n.
3	St-Cu : St.	St-Cu : Fr-St.	Nb.	10	10	10	10	10	10	H	F	G	F	G	H	…	…	…	●0	●0	●0	c and c z a : o ●0 p and n.
4	St.	Nb.	Nb.	10	10	10	10	10	10	i	H	F	F	F	H	…	●0	●0	●0	●0	…	o, o ●0, m a : o ●0 m, o ●0 p and n.
5	St-Cu : Nb.	Nb : Fr-Nb.	Nb.	10	10	10	10	10	10	H	H	i	H	H	H	●0	…	…	…	…	…	c ●0, o a : o ●0, o p : o, o ●0 n.
6	Nb : Fr-Nb.	A-Cu : Fr-Nb.	A-St : Fr-Nb.	10	10	9	9	10	10	H	H	i	G	i	i	…	●0	…	…	…	…	o, o ●0 a : c p : c n.
7	Nb.	Nb.	Nb.	10	10	10	10	10	10	H	H	H	H	H	H	…	●0	●0	…	●0	…	o, c, o ●0 a : o ●0 p : o ●0, o n.
8	Nb.	Nb.	Nb.	10	10	10	10	10	10	G	G	G	F	G	G	●0	●0	●0	●	…	●0	o ●0 a : o ● m p : o ●0 n.
9	A-St : Nb.	Nb.	Nb : Fr-Nb.	10	10	10	10	10	10	H	G	G	H	H	H	●0	●0	…	●0	●0	●0	c ●0 a : o ●0 p and n.
10	Nb.	Nb.	A-St : Nb.	10	10	10	10	10	10	j	H	H	H	H	H	…	…	●0	…	…	●0	o, c, ●0 a : ●0, c p : o ●0 n.
11	St-Cu : Fr-Nb.	St-Cu : Nb-Cuf.	St-Cu : Fr-Nb.	8	9	9	9	10	10	j	j	j	j	j	j	…	…	●0	●0	…	…	c ●0 a, p and n.
12	St-Cu : Nb-Cuf.	St-Cu : Nb-Cuf.	St-Cu.	10	10	10	10	10	10	j	j	j	j	j	j	●0	…	…	…	…	…	c ●0, c a : c p and n.
13	St-Cu : Fr-Nb.	St-Cu : Cu-Nb.	A-Cu : Fr-Cu.	2	7	8	8	6	6	k	i	k	j	j	j	…	●0	●0	…	…	…	bc p ●0 a : c p ✱0 p : bc p ✱0, b n: ♕ 18h-24h. [♕ 23h
14	A-Cu.	A-Cu : Cu-Nb.	A-Cu : Cu-Nb.	3	2	1	4	3	10	H	H	i	H	H	H	…	…	…	…	…	…	bc, b ⌴ a : b, bc p ✱0 p : c p ✱0 n :
15	St-Cu : Fr-Nb.	Cu-Nb.	Cu : Cu-Nb.	9	8	3	3	3	10	j	j	j	j	j	i	…	…	…	…	…	✱0	c p ✱ △ a : bc p : bc, c ✱0 n.
16	St-Cu : Nb-Cuf.	St-Cu.	St-Cu.	8	9	8	8	8	8	j	j	j	j	j	i	…	✱0	…	…	…	…	c p ✱0 a : c p : c to b n : ▨ 1 cm.
17	St-Cu.	A-Cu : Cu.	St-Cu.	1	1	1	2	1	1	i	G	j	j	H	H	…	…	…	…	…	…	b ⌴, b a : b p : b and c n.
18	A-Cu : St-Cu.	St-Cu : Fr-Nb.	St-Cu : Nb-Cuf.	3	8	10	9	6	9	k	j	E	F	H	F	…	…	✱0	✱0	✱0	✱0	bc, c ✱ f a : c ✱0 m p and n.
19	St-Cu.	St-Cu : Nb-Cuf.	Nb-Cuf.	8	8	7	9	9	8	k	k	k	k	k	k	…	…	…	✱0	…	✱0	c p ✱0 and p ✱2 a, p and n : ▨ 2 cm.
20	Cu-Nb : Nb-Cuf.	A-Cu : Cu-Nb.	A-St : Nb-Cuf.	8	8	9	10	10	10	G	H	H	H	H	i	✱	…	…	✱0	✱0	…	c p ✱, p ✱ △ q a and p : c p ✱6 n : [▨ 10 cm.
21	St-Cu : Nb-Cuf.	A-St : Nb-Cuf.	A-St : Nb-Cuf.	10	10	10	10	10	10	j	i	H	H	H	H	…	…	…	●0	✱0	✱0	c a : c ●0 to ✱0 p : o ✱0 n : ▨ 8 cm.
22	Nb.	Nb.	Nb.	10	10	10	10	10	10	i	H	H	H	H	H	●0	…	●	●	●	●	Dull and rainy throughout.
23	Nb.	St-Cu.	St-Cu : Nb.	10	10	10	9	10	10	j	k	j	j	j	j	●	…	…	…	●0	…	o ● to c a : c ●0 p and n.
24	St-Cu.	A-Cu:St-Cu:NbCuf.	Nb-Cuf.	9	9	9	8	2	1	k	k	k	k	k	k	…	…	…	…	…	…	c p ✱ △ a : c p ✱0 p : bc p ✱0 △0 n.
25	St-Cu : Cu.	Ci-Cu:A-Cu:Cu-Nb.	Cu-Nb : Fr-Nb.	4	8	6	7	4	3	k	k	j	j	j	k	…	…	…	…	△	…	bc p ✱ △ q a, p and n. [▨ 3 cm
26	Cu-Nb.	Cu-Nb.	Cu-Nb.	1	9	4	2	8	9	k	D	k	k	k	k	…	✱2	…	…	✱0	…	bc p ✱ and p ✱2 a and p : c p ✱0 n :
27	St-Cu.	St-Cu.	St-Cu.	8	4	6	1	1	1	j	k	k	j	i	H	…	…	…	…	…	…	c p ✱0, bc a : bc to b p : b ⌴ n : ♕ 17.35-18h ▨ 2.5 cm.
28	St-Cu.	St-Cu : Fr-Cu.	St-Cu.	1	1	1	5	8	8	H	D	D	F	F	F	…	…	…	…	…	…	b ⌴, f Va ; b c m f p : c m n : ▨ 2 cm
29	St-Cu.	St-Cu : Nb-Cuf.	Nb-Cuf.	9	9	8	9	6	8	F	E	j	j	j	i	…	…	✱0	●0	●0	…	p △0, c f ✱0 a : c ●0 p : bc, c ●0 n :
30	St-Cu.	Cu.	Cu.	5	6	7	7	5	8	k	i	j	i	j	j	…	…	…	…	…	…	bc a and p : c n. [▨ 1.5 cm.
31	St-Cu.	Nb-Cuf.	Nb.	10	9	10	10	10	4	j	i	i	i	H	G	…	●0	●0	●0	…	…	c p ●0, o ●0 a : o ●0 ▲0 p : o to b n.
Mean Cloud Amnt				7·4	8·1	7·7	7·8	7·4	8·2													

n'ual Mean Cloud Am'nt	Cloud Forms.	6·8	6·8	6·9	6·8	6·6	6·3	Cloud Amount (All Forms).	Visibility.	Precipitation.	Remarks on the Weather of the Day.

M.O. 310
(Eskdalemuir)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

ESKDALEMUIR

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

1929

T

ESKDALEMUIR OBSERVATORY.

Latitude	55° 19′ N.
Longitude	3° 12′ W.
G.M.T. of Local Mean Noon	12h. 13m.

Heights in metres above Sea-Level.

Barometer	237·3
Rain-gauge	242·0
Dines Tube Anemograph	250

Heights in metres above ground.

Thermometer Bulbs	0·9
Sunshine Recorder	1·5
Dines Tube Anemograph	15
Beckley Rain-gauge Rim	0·4

INTRODUCTION.

SITE.

Eskdalemuir Observatory, some 3½ miles (5½ kilometres) north-north-west of Eskdalemuir Parish Church in the county of Dumfries-shire, is situated on a rising shoulder of moorland which is bounded on the east by the road which leads north to Ettrick and Selkirk, on the west by the small Davington Burn, and at the southern extremity by the small hamlet of Davington.

The hillside in the immediate vicinity of the Observatory slopes generally from the north-west to south-east. The mean height above sea level of the Observatory site is about 800 feet (244 metres). Cassock Hill, slightly more than a mile distant to the north-west, is 1,205 feet (367 metres), while the bench mark at Davington School, ¼ mile (0·4 km.) to south-east, is 699 feet (213 metres) above M.S.L. To the east the ground slopes fairly rapidly to the valley bottom, the level of the Ettrick road at a point about ¼ mile (0·4 km.) east of the underground magnet house being 682 feet (208 metres). The River White Esk is rather less than ½ mile (0·8 km.) to the east. Immediately beyond the river, and almost due east of the Observatory, Dumfedling Hill rises to a height of nearly 1,200 feet (366 metres) above M.S.L. Some 4 or 5 miles (8 km.) to the north is a high ridge, following approximately the boundary between Dumfries-shire and Selkirkshire, the highest point of which is Ettrick Pen (north-north-west) 2,200 feet (670 metres) above M.S.L. Rather more than half a mile (0·8 km.) to the west, and beyond Davington Burn, the ground rises to 1,040 feet (317 m.), and reaches nearly 1,200 feet (366 m.) half a mile (0·8 km.) further on. To the south and south-south-east the Observatory commands a view of the White Esk Valley as far as Hartmanor, 4 miles (6½ km.) distant, and beyond that the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. The surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass-covered hills and moorland.

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

The selection, in the early years of the century, of this isolated site for the Observatory was dictated by the desire to reduce to a minimum the possibility of artificial magnetic disturbance due to electric traction and power circuits, and in this connection it may be noted that there is no town, industrial centre, or point of railway within a radius of 9 miles (14½ km.) from the Observatory.

Photographs, site plan, and a brief description of the Observatory will be found in the Introduction to *The Observatories' Year Book*, 1923.

METEOROLOGY.

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

Notes on Instruments.

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

Pressure.—The standard mercury barometer, Kew pattern, is situated in a north window embrasure on the ground floor of the main building.

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

As in former years, records of pressure were also obtained from (*a*) a Dines float barograph[1], of which a description will be found in the Introduction for 1923, 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. 10, except that a special enclosure is provided inside the hut to accommodate the optical and photographic arrangements.

The recording dry bulb thermometer which had been in use for several years was accidentally broken on January 17, 1927. Another recording thermometer was substituted at once. The scale value of the new dry bulb record is 1a. =3·064mm. on the paper as compared with 1a. = 2·790mm. for the old dry bulb record; the wet bulb scale value is 1a. = 2·438mm., while the time scale is 1 hour = 9·250mm.

As auxiliary recorders of temperature there are, in the same louvred hut :—

(*a*) A psychrograph, pen recording, which is in effect a bimetallic spiral thermograph with two spirals, one of which is kept dry and the other wet. The records are of 24 hours' duration.

(*b*) A bimetallic spiral thermograph, of which the record is changed every week. It is described in the *Meteorological Observers' Handbook.*

Humidity.—In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph which is situated in a Stevenson screen about midway between the louvred hut and the main building.

As is stated on p. 15, the records from this instrument are utilised when the wet bulb reading does not exceed 273a. On the records obtained in 1927 a change of 10 per cent. in relative humidity is represented by about 0·8 centimetre, the time scale being 1 hour = 3 millimetres.

Rainfall.—The recording instrument is a Beckley self-registering rain-gauge, which is described on p. 11. The time scale of the record is 1 hour = 9·24 millimetres on the paper and the rain scale has a magnification of 3·35. The instrument has been in use at Eskdalemuir since 1908 and was originally installed at Fort William in July, 1890.

[1] In December, 1924, this instrument was removed from the underground magnet house, overhauled, and installed against the north wall of the laboratory on the ground floor of the main building.

The conical part of the gauge funnel is surrounded by a cylindrical copper casing lined with asbestos on the inner side and of diameter equal to that of the funnel, viz. 11·27 inches (28·6 cm.). Within the enclosure so formed is a gas jet, and a flame of suitable dimensions is maintained, as circumstances dictate, to melt snow which may be collected.

The gauge is surrounded by a circular turf wall or dyke, the top of which is on a level with the rim of the gauge; the external and internal diameters of the dyke being 11·5 feet (3·5 m.) and 7 feet (2 m.) respectively.

A standard 8 inch (20·3 cm.) rain-gauge is situated some 24·5 feet (7·5 m.) to the east of the Beckley gauge and is surrounded by a turf dyke of similar dimensions. Readings of amounts of rain received in the 8 inch gauge are made at 7h and 18h G.M.T. It is customary to adjust the indications of the recording gauge to agree with the readings of the standard check gauge.

As in 1926, autographic records of precipitation were obtained by means of a Hellmann-Fuess snow-gauge (1). From February 22 until the end of the year this instrument was situated in a pit a few feet to the north of the position shown in the site plan in the Introduction to *The Observatories' Year Book*, 1923. The pit was about eight feet in diameter and the rim of the gauge was between two and a half and three feet above the level of the ground surrounding the pit. The action of the instrument was not entirely satisfactory and the records were utilized only in the event of failure or uncertainty of the Beckley autographic record.

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

The recorder is fixed on a stone pillar and has a reasonably free exposure, the chief obstacles being hills to east and west. The elevation of hills between 70° and 110° east of south varies from 2·5° to 5°, while between 50° and 135° west of south the high ground varies in elevation from 3° to 4·4°, being generally about 3·5°. As sunshine can be recorded when the sun is 3° above the horizon only in the most favourable circumstances, it appears that the loss of record occasioned by the neighbouring high ground is of relatively small extent and is confined mainly to a possible defect of record at the beginning of the day during a few weeks centred about the equinoxes.

Solar Radiation.—Measurements of the intensity of radiation received from the sun by a surface which is normal to the line drawn from the instrument to the sun are effected by means of an Ångström compensating pyrheliometer.[2] The intensity of radiation is expressed in milliwatts per square centimetre (1mw. per sq. cm. = 0·01435 gramme calorie per sq. cm. per minute). In addition, the value is given of the function (p/p_0) sec Z, in which p is the barometric pressure at the observatory in millibars at the time of the observation, p_0 is 1000 millibars, and Z is the zenith distance of the sun. This affords a measure of the mass of atmosphere which the solar radiation has had to penetrate before reaching the earth. Entries in the column headed "Sky" are intended to show the presence or absence of haze, mist or cloud in the direct path of the solar radiation recorded.

Wind.—A Dines tube anemograph, furnished with direction recorder, is situated in the main building. The vane-head is 15 metres above a tangent plane to the slope of the hillside and approximately 7 metres above the general level of the roof of the building.

The anemograph vane in use throughout 1927 is that which was introduced in August, 1925. It differs from that formerly in use in that the greatest dimension of the fin is vertical instead of horizontal, and that the cross-section of the fin is of aerofoil shape. A twin-lever direction recorder has been in use since June, 1925. In this instrument a pen is carried by each of two pivoted arms, upper and lower. A projection from each arm engages with a flange of a dual helical device cut in a short cylinder (of vertical axis) which rotates with the vane, being connected thereto by a vertical "rod" consisting of steel tubing 1·5 cm. external diameter.

[1] Met. Zs., Vol. XLI, 1906, p. 337.

[2] For description see *The Observer's Handbook*, 1921, Ed., Meteorological Office, London; *Astrophysical Journal*, Vol. IX, 1899; *Actes de la société royale des Sciences d'Upsal*, 1893; also *Geophysical Memoirs*, No. 21 (1923), Meteorological Office, London.

No modifications to the anemograph were made in 1927. On some days in December choking of the head with snow rendered the record unreliable.

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 (40m.) is a rather large building, of which the height is somewhat greater than that of the main building. With winds from nearly due west the direction records show markedly greater turbulence than with other winds.

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

Visibility.—The descriptions of the selected visibility objects, together with the distances and bearings from the point of observation, are given in the subjoined table. Auxiliary objects and guide criteria are given in brackets. Certain of the nearer objects may be identified by reference to the photographs and site plan published in *The Observatories' Year Book*, 1923. 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 toward south to south-east, *i.e.*, down valley. Four miles or so to the north of the Observatory the hills rise in places to rather more than 2,000 feet above sea level and at times visibility in this direction is distinctly less than towards south. On other occasions the hills to the north are visible, but nearer objects down the valley are invisible owing to valley mist. With the exception of the cottage at Finglandshiel, and Cauldkine Hill, the objects more distant than D are below the level of the Observatory. There are no objects at distances which approximate sufficiently closely to the standard distances for objects H, J, and K. When it is estimated that the range of visibility is such that objects at these standard distances would be visible the corresponding small letter entries are made in the Diary of Cloud and Weather. The estimates of visibility in the dark depend largely on the judgment of the observer. There are no lights other than those in the Observatory buildings and in two cottages within a radius of one mile.

VISIBILITY OBJECTS AT ESKDALEMUIR.

Object.	Description.	Distance.	Bearing.
A	(i) White wooden post	25 yards	NE.
	(ii) Twigs on trees nearest the boundary wall in front of the main building	25 ,,	S.
	(iii) Small thermometer screen—viewed from steps facing the back entrance to the main building	26 ,,	NNE.
B	(i) Theodolite pillar	55 ,,	N.
	(ii) Chimney (or cowl) on the large thermometer screen	60 ,,	NE.
C	Posts and shafts on underground magnetograph house ...	107 ,,	N.
D	Standards on Observatory water reservoir	217 ,,	NNW.
E	(i) Church and Manse, Davington	550 ,,	SE.
	(ii) (Davington Farm House)	470 ,,	SSE.
F	(i) Chimneys at Burncleuch	1180 ,,	SSE.
	(ii) (Cottage at Finglandshiel)	1550 ,,	NE.
G	Trees at Garwaldwaterfoot	2160 ,,	SSE.
H (h)	(Lower slope of Raeburn Hill)	2⅛ miles	SSE.
I	Hart Manor	4 ,,	SSE.
J (j)	(Cauldkine Hill, 1,478 feet, near Westerkirk; not clearly visible)	10½ ,,	SSE.
K (k)	(Cauldkine Hill, 1,478 feet, near Westerkirk; plainly visible)		
L (l)	No objects available		
M (m)			

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

IDENTIFICATION NUMBERS OF INSTRUMENTS IN USE IN 1927.

Standard Kew pattern Barometer		M.O.	1320
Standard Dry Bulb Thermometer		M.O.	19123
Standard Wet Bulb Thermometer		M.O.	1695
Hair Hygrograph		M.O.	59
Recording Beckley Rain-gauge			4
Control Rain-gauge		M.O.	391
,, ,, glass for		M.O.	1354
Campbell-Stokes Sunshine Recorder		M.O.	99
Ångström compensating Pyrheliometer			116
Dines Tube Anemograph		M.O.	1032
Grass Minimum Thermometer ..	to August 11 ..	M.O.	13
	August 12 to 17 ..	M.O.	7
	from August 18 ..	M.O.	23008

CORRECTIONS TO INSTRUMENTS IN USE IN 1927.

The corrections to the instruments in use during 1927 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 in 1927 and, with the exception of the grass minimum thermometer, in previous years. The date on which each of the instruments mentioned was brought into use is given for purposes of reference.

Kew pattern barometer, M.O. 1,320. December 16, 1913.

at	920	940	960	980	1,000	1,020	1,040	1,060 mb.*
	−0·4	−0·3	−0·2	−0·1	−0·1	0·0	+0·1	+0·1

attached thermometer : +0·1 at 290a.

Dry Bulb Thermometer, M.O. 19,123. January 27, 1919.

at	263	268	273	278	283	288	293	298	303a.
	+0·2	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1

Wet Bulb Thermometer, M.O. 1,695. November 1, 1915.

at	260	265	270	275	280	285	290	295	300	305a.
	+0·20	+0·15	+0·15	0·00	−0·10	−0·15	−0·15	−0·10	−0·10	−0·10

Grass Minimum Thermometers.	at	253	263	273	283	293	303a.
M.O. 13. August 1, 1918.		–	−0·2	0·0	0·0	0·0	0·0
M.O. 7.		–	−0·2	0·0	−0·1	+0·1	0·0
M.O. 23008. August 18, 1927. ...		−0·1	−0·2	0·0	0·0	−0·1	−0·2

NOTE ON THE REDUCTION OF BAROMETER READINGS.

The Kew pattern mercury barometer, M.O. 1320, by J. Hicks, London, has been used as the standard instrument since December 16, 1913. Before this date a Fortin barometer, 657, was the standard instrument.

1. *Reduction to Pressure at Station Level.*—For this purpose it has been the custom to apply to a reading of the Kew pattern barometer a total correction embodying the separate corrections in respect of index error, temperature, and gravity. The corrections for index error (including those for capacity and capillarity) as given in the N.P.L certificate dated November 26, 1913, are reproduced above. The corrections for temperature are those given in the *International Meteorological Tables* as appropriate to a Fortin barometer. At the time the index corrections of the barometer were determined, the comparisons were made at ordinary room temperatures in the neighbourhood of 60° F. (288*a*), and as the observing barometer was regularly read at room temperatures, which did not differ materially from 60° F., the practice of using corrections appropriate to a Fortin barometer, although technically incorrect, would not lead to appreciable systematic error in practice.

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

In the following table are set out the corrections to the barometer readings on this account, for various readings of the attached thermometer.

If the temperature is $\left\{\begin{matrix}\text{above}\\\text{below}\end{matrix}\right\}$ 288a $\left\{\begin{matrix}\text{subtract}\\\text{add}\end{matrix}\right\}$ the correction :

Attached thermometer.	Corrections.	Attached thermometer.
a	*mb.*	*a.*
288	·00	288
287	·01	289
286	·01	290
285	·02	291
284	·03	292
283	·04	293
282	·05	294
281	·06	295
280	·07	296

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

$g = 980{\cdot}617\ (1 - {\cdot}00259 \cos 2\lambda)\ (1 - 5z/4E)$

where λ = latitude

z = height of the station

E = earth's radius

are as follow :—

at reading of	900	920	940	960	980	1000	1020	1040	mb.
Correction	+·78	+·80	+·81	+·83	+·85	+·87	+·88	+·90	mb.

2. *Reduction to Mean Sea Level.*—The correction to reduce pressure at station level (p) to pressure at sea level (P) is $P - p$

where $\log_e (P/p) = \dfrac{\bar{g}z}{K\bar{T}}\left(1 - \dfrac{3\bar{w}}{8p}\right)$ ..... (*A*)

z = height of station in centimetres.

e = base of Napierian logarithms.

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

$\bar{T}$ = mean absolute temperature of air column between Station level and Mean Sea level.

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

$\bar{g}$ = mean value of the acceleration due to gravity in the air column. This mean value coincides with the value of gravity at some definite height h above mean sea level, and is given by

$$980{\cdot}617\ (1 - 0{\cdot}00259 \cos 2\lambda)\ (1 - 2h/E).$$

For the relatively small height of Eskdalemuir we can write $z/2$ for h (Actually the term $2h/E$ exercises no appreciable effect on the final result in this case).

It will be noted that the above expression for g differs from that in a preceding paragraph as regards the correction for altitude ; the one referring to determination of gravity at the earth's surface, the other at a point above the earth's surface. This difference is in accordance with the usage of the *International Meteorological Tables*, and it has been decided to make no change, although recent work on isostasy indicates that in many cases the correction $2h/E$ is more nearly in accordance with observation than the correction $5z/4E$.

The term $\left(1 - \dfrac{3\bar{w}}{8p}\right)$ in the above formula represents approximately the ratio of the density of moist air to that of dry air at the same temperature. Since the value of $\bar{w}$ is not known, an approximate correction on account of the effect of water vapour in the air column is made, so that in practice the correction for the reduction of station-level pressure (p) to sea-level pressure (P) is taken to be

$$P - p = p_o - p - \frac{w\dagger}{100}$$

where $\log_e \dfrac{p_o}{p} = \dfrac{\bar{g}z}{K\bar{T}} = \dfrac{\bar{g}z}{K\,(T + 1)}$ ..... (*B*)

* This value depends on a co-efficient of expansion of dry air of 1/273.

† The correction $-\dfrac{w}{100}$ is the approximate value at Eskdalemuir of the difference $P - p_o$, as computed from equations (*A*) and (*B*).

w is water vapour pressure *at station level.* T is the absolute temperature of the air at station level, and e, $\bar{g}$, z, $\overline{T}$ and K have the same values as before.

In computing the value of $p_0 - p$ the value of $\overline{T}$ has been taken to be the air temperature at station level increased by 1a, i.e., a uniform lapse rate of 1° C in 119 metres has been assumed to apply at all times of day and all seasons of the year. The values of $p_0 - p$ for different values of p and of air temperature at station level, in accordance with equation (B), are given in the subjoined table. As indicated in the formula above the allowance for the water vapour in the air column is made by subtracting $w/100$ (w being the water vapour pressure at station level) from the value of $p_0 - p$ extracted from the table.

CORRECTIONS USED AT ESKDALEMUIR FOR REDUCING PRESSURE AT STATION LEVEL TO PRESSURE AT MEAN SEA LEVEL.

Air Temperature at Station Level.	Pressure at Station Level in Millibars.											
	920	930	940	950	960	970	980	990	1000	1010	1020	1030
a.	Millibars.											
260	29·05	29·37	29·68	30·00	30·31	30·63	30·95	31·26	31·58	31·89	32·21	32·53
261	28·94	29·25	29·57	29·88	30·20	30·51	30·83	31·14	31·45	31·77	32·08	32·40
262	28·83	29·14	29·45	29·77	30·08	30·39	30·71	31·02	31·33	31·65	31·96	32·27
263	28·72	29·03	29·34	29·65	29·97	30·28	30·59	30·90	31·21	31·53	31·84	32·15
264	28·61	28·92	29·23	29·54	29·85	30·16	30·47	30·78	31·09	31·41	31·72	32·03
265	28·50	28·81	29·12	29·43	29·74	30·05	30·36	30·67	30·98	31·28	31·59	31·90
266	28·39	28·70	29·01	29·31	29·62	29·93	30·24	30·55	30·86	31·17	31·47	31·78
267	28·28	28·59	28·90	29·20	29·51	29·82	30·13	30·43	30·74	31·05	31·36	31·66
268	28·17	28·48	28·79	29·09	29·40	29·71	30·01	30·32	30·62	30·93	31·24	31·54
269	28·07	28·37	28·68	28·98	29·29	29·59	29·90	30·20	30·51	30·81	31·12	31·42
270	27·96	28·27	28·57	28·88	29·18	29·48	29·79	30·09	30·40	30·70	31·00	31·31
271	27·86	28·16	28·47	28·77	29·07	29·37	29·68	29·98	30·28	30·59	30·89	31·19
272	27·76	28·06	28·36	28·66	28·96	29·26	29·57	29·87	30·17	30·47	30·77	31·07
273	27·65	27·95	28·25	28·55	28·85	29·15	29·46	29·76	30·06	30·36	30·66	30·96
274	27·55	27·85	28·15	28·45	28·75	29·05	29·35	29·65	29·95	30·25	30·54	30·84
275	27·45	27·75	28·05	28·34	28·64	28·94	29·24	29·54	29·84	30·13	30·43	30·73
276	27·35	27·65	27·94	28·24	28·54	28·84	29·13	29·43	29·73	30·02	30·32	30·62
277	27·25	27·55	27·84	28·14	28·43	28·73	29·03	29·32	29·62	29·91	30·21	30·51
278	27·15	27·45	27·74	28·03	28·33	28·63	28·92	29·22	29·51	29·81	30·10	30·40
279	27·05	27·35	27·64	27·93	28·23	28·52	28·82	29·11	29·40	29·70	29·99	30·29
280	26·95	27·25	27·54	27·83	28·13	28·42	28·71	29·01	29·30	29·59	29·88	30·18
281	26·86	27·15	27·44	27·73	28·02	28·32	28·61	28·90	29·19	29·48	29·78	30·07
282	26·76	27·05	27·34	27·63	27·92	28·21	28·51	28·80	29·09	29·38	29·67	29·96
283	26·67	26·95	27·25	27·53	27·83	28·11	28·40	28·69	28·98	29·27	29·56	29·85
284	26·57	26·86	27·15	27·44	27·73	28·01	28·30	28·59	28·88	29·17	29·46	29·75
285	26·48	26·76	27·05	27·34	27·63	27·91	28·20	28·49	28·78	29·07	29·35	29·64
286	26·38	26·67	26·96	27·24	27·53	27·82	28·10	28·39	28·68	28·96	29·25	29·54
287	26·29	26·58	26·86	27·15	27·43	27·72	28·00	28·29	28·58	28·86	29·15	29·43
288	26·20	26·48	26·77	27·05	27·34	27·62	27·91	28·19	28·48	28·76	29·05	29·33
289	26·11	26·39	26·67	26·96	27·24	27·53	27·81	28·09	28·38	28·66	28·94	29·23
290	26·01	26·30	26·58	26·86	27·15	27·43	27·71	27·99	28·28	28·56	28·84	29·13
291	25·93	26·21	26·49	26·77	27·05	27·33	27·61	27·90	28·18	28·46	28·74	29·02
292	25·83	26·11	26·40	26·68	26·96	27·24	27·52	27·80	28·08	28·36	28·64	28·92
293	25·75	26·03	26·31	26·59	26·87	27·15	27·43	27·71	27·98	28·26	28·54	28·82
294	25·66	25·94	26·21	26·49	26·77	27·05	27·33	27·61	27·89	28·17	28·45	28·73
295	25·57	25·85	26·13	26·40	26·68	26·96	27·24	27·51	27·79	28·07	28·35	28·63
296	25·48	25·76	26·04	26·31	26·59	26·87	27·14	27·42	27·70	27·97	28·25	28·53
297	25·40	25·67	25·95	26·22	26·50	26·78	27·05	27·33	27·60	27·88	28·16	28·43
298	25·31	25·58	25·86	26·13	26·41	26·69	26·96	27·23	27·51	27·79	28·06	28·33
299	25·22	25·50	25·77	26·05	26·32	26·59	26·87	27·14	27·42	27·69	27·97	28·24
300	25·14	25·41	25·69	25·96	26·23	26·51	26·78	27·05	27·32	27·60	27·87	28·15
301	25·05	25·33	25·60	25·87	26·14	26·42	26·69	26·96	27·23	27·51	27·78	28·05
302	24·97	25·24	25·51	25·79	26·06	26·33	26·60	26·87	27·14	27·41	27·68	27·96
303	24·89	25·16	25·43	25·70	25·97	26·24	26·51	26·78	27·05	27·32	27·59	27·86
304	24·81	25·07	25·34	25·61	25·88	26·15	26·42	26·69	26·96	27·23	27·50	27·77

Changes from previous years.—(1) In previous years the correction for the effect of the height of the station on the variation of gravity was not used in computing pressure at station level, although the correction for the effect of latitude on the variation of gravity, which is much more important, was used. Accordingly all values of station level pressure published from 1911 to June, 1927, inclusive should be decreased by about ·05 mb.

(2) In previous years the small correction just referred to was incorporated in the table for reduction to sea-level ;* hence any sea-level pressures published prior to 1927 are on balance correct on this account.

(3) In previous years the temperature of the air column was taken to be the temperature at station level, and not 1° C higher than that value. On this account pressures at sea-level published prior to 1927 should be decreased by about 0·1 mb.

(4) In previous years no correction on account of humidity was made. On this account pressures at sea-level published prior to 1927 should be decreased by an amount averaging about 0·1 mb. to make them comparable with those now published.

(5) The net result of the effects enumerated in paras. 1–4 is that values of pressure for sea-level at Eskdalemuir published in years prior to 1927 require decreasing by 0·2 mb. to make them comparable with the values now published.

Notes on the Meteorological Summaries.

The number of years for which meteorological results are available is insufficient as yet to yield a completely representative set of normal values. Although certain meteorological data are available for 1909 and 1910 it is only since 1911 that the reductions have been made in accordance with an approximately uniform plan. In the following notes the normal or average values referred to are for the period 1911 to 1926, unless otherwise stated.

Pressure.—As was the case generally in the British Isles the mean pressure for the year was below normal, the defect at Eskdalemuir being 1·5 mb. Only in February, May, October, November, and December were the monthly means above normal. The extreme instantaneous values recorded were 1013·0 mb. on December 28 and 942·4 mb. on December 22, the absolute range of 70·6 mb. being the largest recorded in that month. The greatest and least mean daily values are 1011·8 and 947·1 mb. on December 28 and March 25 respectively. The largest values of the range during a calendar day are 39·1 mb. on January 12 and 33·9 mb. on October 29. The mean value of the absolute daily range of pressure varies between 10·5 mb. in January and 4·5 mb. in July; the greatest departures from normal are a defect of 17 per cent. in February and an excess of 22 per cent. in October. The annual mean value of the daily range is 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 forenoon and at 16h or 17h. In all months, excepting February, April, May and November, of 1927, the night maximum is the larger, and except for January, February and November this is true of the representative inequalities for the years 1911–20. The principal minimum in the latter inequalities is in the afternoon except in February, March, August and November, but in 1927 the principal minimum falls in the early forenoon only in September and December. Compared with the mean diurnal inequality for 1911–20 the values of the mean inequality for the year 1927 are algebraically less from 12h to 20h and greater from 21h to 10h, but at no hour is the difference from the assumed normal more than 0·1 mb. The differences show a fairly smooth progression, the maximum positive and negative departures of the 1927 values occurring at 1h and about 15h, respectively. In other words, relatively speaking the afternoon trough in 1927 is enhanced, the night crest enhanced and somewhat prolonged in time, the early forenoon trough diminished and the forenoon crest enhanced.

* *C.f.* International Meteorological Tables pp. B. 33-45. The allowance for the effect of the height variation of gravity upon the mercury of the barometer is implied by the use of 18429·1 instead of 18400 in the formula for *m* at the foot of B. 45.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1927 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 co-efficients for the individual months of 1927 the unit employed was ·01 mb.; but for the seasons and the year the inequalities were taken to ·001 mb., and in these cases the values of c_1 etc. are given to three decimal places. Although for 1927, as for recent years, the phase angles are given to the nearest 1°, this course is scarcely justified, at least for the third and fourth components, by the character of the data from which the harmonic coefficients for the months and seasons of a single year are computed. The phase angles α_1 etc. given in the table below refer to Local Mean Time, whereas in the corresponding tables for 1922 and 1923 the phase angles refer to Greenwich Mean Time.

As is usually the case the amplitude and phase of the 24-hour term fluctuate irregularly from month to month. The ratio of the mean of the twelve monthy values of c_1 to the value of c_1 for the year as a whole exceeds unity but is smaller than in the years 1922–5. c_1 is noticeably high for January and low for November. The variation in the phase of this term is least in the four summer months. The values of c_2 for the year and the seasons exceed the corresponding normals, but the values of α_2 are very close to normal. February and October are the only months in which α_2 departs by more than 10° from the normal value. The variation in the 8-hour term from month to month is fairly normal, the amplitude being largest in winter months and least at the time of equinoctial phase transition. The values of c_3 for the year, winter, and equinox are above normal; α_3 for winter and summer is very close to the normal value. For the 6-hour term, also, the amplitude for winter and equinox, more particularly for winter, is above normal. Only for October does α_4 depart from the normal value by more than 25°.

Harmonic Coefficients of the Diurnal Inequality of Atmospheric Pressure—Eskdalemuir, Longitude 3° 12′ W.

Values of c_n, α_n in the series $\Sigma c_n \sin(15nt^0 + \alpha_n)$, t being Local Mean Time reckoned in hours from midnight.

Month and Season.	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.	1927.	1911–20.
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
Jan. ...	·62	·094	76	346·4	·36	·235	151	151·6	·15	·125	349	345·3	·10	·046	208	213·9
Feb. ...	·14	·118	328	215·1	·26	·273	154	138·1	·10	·083	349	341·2	·04	·042	63	67·7
Mar. ...	·17	·128	122	185·3	·42	·304	138	145·3	·07	·053	342	335·0	·08	·051	33	24·5
Apr. ...	·23	·205	357	92·3	·26	·299	149	154·8	·04	·022	157	156·3	·05	·045	1	355·7
May ...	·30	·225	20	52·7	·26	·270	141	147·4	·06	·075	154	160·1	·03	·035	315	330·1
June ...	·13	·152	41	53·9	·21	·234	143	146·1	·07	·084	162	160·6	·03	·018	323	325·7
July ...	·27	·171	66	69·4	·31	·211	150	141·2	·08	·077	160	155·8	·03	·023	276	300·0
Aug. ...	·20	·114	93	114·6	·27	·239	148	147·7	·04	·057	178	157·2	·05	·047	344	330·8
Sept. ...	·14	·121	168	87·7	·30	·313	148	151·6	·02	·012	26	110·7	·05	·050	340	344·7
Oct. ...	·13	·110	101	76·0	·31	·315	179	159·5	·13	·060	33	8·2	·05	·041	339	32·9
Nov. ...	·04	·125	246	183·5	·20	·242	158	168·1	·13	·101	359	9·2	·01	·015	153	146·2
Dec. ...	·20	·137	123	97·1	·23	·213	150	146·9	·13	·124	2	4·2	·08	·067	223	212·8
Arithmetic mean	·21	·142	...	...	·28	·262	...	...	·09	·073	...	...	·05	·040	...	...
Year ...	·144	·085	70	90·8	·279	·260	151	150·1	·036	·020	15	41·7	·017	·016	319	341·9
Winter ...	·178	·038	78	165·4	·263	·236	153	150·9	·126	·106	355	355·5	·039	·023	206	189·1
Equinox ...	·072	·108	95	103·9	·314	·306	153	152·8	·044	·021	26	4·4	·052	·044	3	8·9
Summer ...	·199	·153	53	67·2	·263	·238	146	145·8	·063	·074	162	158·5	·030	·030	320	324·3

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

(1) "On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfriesshire," by A. Crichton Mitchell, D.Sc., *Quarterly Journal of the Royal Meteorological Society*, Vol. L., No. 210, April, 1924.

Temperature.—The mean temperature, 279·80 a. (44°·3 F.) for the year 1927 is very slightly less than the normal value. Monthly mean values depart from the corresponding normals by amounts varying between +1·5a. (2°·7 F.) in March to −2·6a. (4°.7F.) in December. June and December are the coldest months of the name since records commenced at Eskdalemuir. The extreme temperatures recorded during the year were 296·3a. (74°·0F.) on May 8 and 262·7a. (13°·4F.) on January 20. The latter day, February 11, and December 31, with mean daily temperatures of 268·4 or ·5a. (23°·8 or ·9F.), were the coldest of the year. According to mean daily temperature, July 10, with 290·7a. (63°·8F.) was the hottest day of the year. The absolute maximum temperatures for March and November and the minimum temperatures for July are the highest, while the maximum temperatures for April, June and December are the lowest on record for the respective months. Cases of rather large change in mean daily temperature within a few days are :—a fairly steady rise from 273·7a. (33°. 3F.) on April 28 to 289.3a (61°·3F.) on May 8, and a continuous fall from 286·2a. (55°·8F.) on November 2 to 271·2a. (28°·8F.) on November 8. The values of the absolute range of temperature within a calendar month vary between 27·8a. (50°·0F.) in May, a high value for that month, and 16·2a. (29°·2F.), which is an unusually low value for July. Values not in excess of 273·0a. (32°·0F.) are :—mean daily temperature on 32 days (14 in December), minimum temperature on 104 days (20 in December, 16 in April), and maximum temperature on 10 days (seven in December).

The mean absolute daily range of temperature varied from 9·8a. (17°·6F) in May to 3·4a. (6°·1F.) in December, the mean value for the year being 7·3a. (13°·1F.). In seven months, including the months July to September, the mean value is less than the corresponding normal ; the value for February is about 30 per cent. in excess and the value for December 35 per cent. in defect of the normal. The greatest daily ranges were 17·7a. (31°·9F.) on May 7 and 16·2a (29°.2F.) on June 15 (due largely to the minimum temperature 272·5a. (31°·1F.) early on that day), while the least range was 0·9a. (1°·6F.) on December 4 and 8, two sunless days.

In April, July, and September the range of the mean diurnal inequality is more than 5 per cent. below, and in February, March, May and November more than 5 per cent. above the range of the mean diurnal inequality for the years 1911–23, the greatest positive departure from the normal being 39 per cent. in February and the greatest negative departure 15 per cent. in April and July.

Humidity.—As is mentioned in the General Introduction, owing to a change in the hygrometric tables used the results for 1926–7 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 1927 are +3 in February, −5 in March and −3 in June. The mean relative humidity, 83·5 per cent., for the year is the same as for 1925 but is less than that for the other years since 1922 ; whilst the mean vapour pressure, 8·2 mb., is smaller than in any of the years 1923–6. The extreme daily mean values of relative humidity and vapour pressure were 99·1 per cent. on February 19, 57·3 per cent. on June 14, 16·6 mb. on September 6, 3·4 mb. on December 17. The lowest hourly readings of relative humidity, between 20 and 30 per cent. occurred on April 30 and May 1. In all months but two the diurnal variation of relative humidity exhibits a maximum at 13, 14 or 15h ; the minimum occurs at from 3h to 7h, being later in winter than in other months.

Precipitation.—1927 was a wet year, the total amount of rainfall, 1747·6mm. (68·80in.), being exceeded only by that for 1916. Only the totals for February, May, and December are below normal. The totals for June and September are about twice the normal amounts for those months. The total rainfall recorded in the three months June to August, viz., 486·3 mm. (19·15 in.), or in the four months June to September, viz., 713·4 mm. (28·09 in.), is greater than that for the corresponding groups in any previous year. At the other extreme, the amount, 45·0 mm. (1·77 in.) in December, is the smallest recorded in that month and is only about one-fourth of the normal. Precipitation fell, at the rate of not less than 0·1 mm. per hour, for a total period of 1303·2 hours, *i.e.*, in the aggregate for rather more than one-seventh of the whole year. The monthly duration was greatest, 156·1 hr., in September, the duration for January being only one hour less, and least, 60·1 hr., in December. For the year as a whole the average rate of fall per hour is 1·34 mm. ; the rate of fall during

individual months ranges between 1·75 in August and 0·75 in December. The greatest amount recorded during a calendar day was 48·2 mm. (1·90 in.) on September 29. There were 77 days (17 in May) on which no precipitation was recorded and, in addition to these, 33 days on which precipitation occurred, but in amounts too small to be measured. Precipitation amounting to 0·2 mm. or more was recorded on 237 days ; to 1·0 mm. or more on 190 days ; to 20·0 mm. or more on 22 days.

Snow or sleet fell on 47 days, but on no day from May 1 to November 6, inclusive. Observations of " snow lying " at 7h. number 24, 14 of which were in December. There were no large falls of snow. The depth of snow observed lying at 7h on January 5 and 21 was 7 cm. In contrast to conditions in the southern parts of England the snowfall at Christmas was comparatively slight, but there were drifts up to about 50 cm. deep at the Observatory and local roads were blocked in places for a time on December 26–28.

Sunshine.—The year's total duration of bright sunshine, 1111·3 hr., represents 24·9 per cent. of the theoretically " possible " duration ; whereas the average percentage of " possible " for the years 1911–26 is 27·1. As regards the percentage of " possible " April was the sunniest, and December the least sunny (as also the driest) month of 1927. In comparison with the normals the sunshine duration for February is in excess by about 15 per cent., while the durations for January, March, June, September, and December are deficient by amounts which range from 18 to 29 per cent. of the normal duration. No sunshine was recorded during the first sixteen days of December, nor from the 20th to the 25th, inclusive, of that month. In all, there were 100 days without sunshine, 23 of these being in December and 16 in January, and 65 days with 50 per cent. or more of the " possible " sunshine. The days with most sunshine were May 8 with 13·8 hr. (88·3 per cent.) and June 10 with 15·2 hr. (88·3 per cent.), but the amounts 7·9 hr. (89·9 per cent.) and 7·8 hr. (90·8 per cent.) registered on November 8 and 11, respectively, represent the highest values of the percentage of " possible " sunshine.

Wind.—The mean speed for the year, 5·0 m/s (11·2 mi/hr) is practically equal to the normal. In comparison with the normal values for individual months the mean speeds for April and November exhibit the greatest relative excess, and those for February and December the greatest relative deficiency. There were 33 hours of gale force (mean speed greater than 17·1 m/s), a greater number than in any other year since 1922. Six hours of gale occurred on January 26 and ten on January 28. In the 60-hour interval between January 26d 11h and 28d 22h the mean hourly speed was 10·8 m/s (24·2 mi/hr) or more in 47 hours and less than 9·0 m/s (20·1 mi/hr) in only one hour. The average speed for the five days January 24–28 is 12·2 m/s (27·3 mi/hr). The highest gust of the year, 39·3 m/s (88·4 mi/hr), the highest hourly speed, 24·1 m/s (53·9 mi/hr), and the highest mean daily speed, 16·8 m/s (37·6 mi/hr) occurred on January 28. October 25–30 was another windy interval, the mean daily speeds ranging from 9·0 m/s to 11·7 m/s and averaging 10·3 m/s (23·0 mi/hr). A gust of 33·1 m/s (74·0 mi/hr) occurred on October 29. The quietest days were March 7 and December 1, with mean speeds of 0·3 and 0·2 m/s. In only one hour between November 30d 20h and December 2d 18h was the mean hourly speed as great as 1·1 m/s (2·5 mi/hr).

There was a remarkable dearth of westerly winds (between south-south-west and north-north-west) in December and marked scarcity of easterly winds (between north north-east and south-south-east) in January and April. The predominance of winds from between south and west was greatest from January to April and in June.

Grass Minimum Temperature.—There were 108 occasions of ground frost (*i.e.*, grass minimum temperature not greater than 272·1a. or 30°·4 F.), but none of these occurred between June 15 and September 12. The occurrence of as many as seven ground frosts in June is unusual. The lowest grass minimum temperature was 260·9a. (10°·3 F.) on January 20, but readings less than 263·0a. (14°·0F) occurred in February, April, May, November, and December. On each of the mornings November 6–15, inclusive, the reading was below 272·1a. The mean grass minimum temperature for each of the months January, February, April, and December is less than 273·0a. (32°·0F.). The mean values for July and August are high and that for June is low in comparison with the values in the previous years.

Cloud and Weather.—(A) The mean amount of cloud observed at the six hours of observation is 7·6 which is slightly less than in 1926. January and March have the largest mean amount, 8·1, and November has the smallest, 6·6. The largest mean amount for an observational hour is 8·7 at 13h in March and at 7h in July; the least is 5·6 at 21h in November. For the year as a whole there was most cloud at 13h and 15h and least at 21h. In eight months the mean cloud amount was least at 21h and in the same number of months greatest at 13h or 15h. November 11 is the only day of the year on which no cloud was seen at the normal hours of observation.

(B) Thunder was heard on 23 days, a greater number than in any of the years 1910–26. Seven of these days occurred in each of the months July and August. There were observations of solar halo on 14 days (five of which were in May), of lunar halo on two days, and of aurora or auroral glow on four days.

(C) The numbers of occasions on which the range of visibility was estimated to be (1) not greater than 500 metres (550 yards), corresponding with the entries X to E, and (2) at least 20 kilometres (12½ miles), corresponding with the entries k, l, m, are summarized below. The limitations to which the estimates of visibility are subject are mentioned on p. 143. It is to be noted that the group (1) above consists of the occasions which are held to merit the description as "fog, moderate, thick, or dense," while the entries k, l, m, denote "very good or excellent visibility."

There were fewer occasions of fog and also of estimates k, l, and m together than in 1926. The total number of estimates l and m together is considerably higher than in 1926. It may be remarked, however, that the personal factor enters rather largely into the estimates l and m. Fog was most frequent in February, but entirely absent (at the standard hours of observation) in June and December. 11 of the 19 occasions of fog in February were of wet fog. Occasions of very good and excellent visibility were most frequent in April, May, June and September. In these months and October the combined entries of l and m are most frequent. There were 19 estimates of m, visibility 50 km. (31 mi.) or more, distributed among 15 days. 15 of the 19 occasions were at 15h or 18h, 14 were associated with increasing barometric pressure, and 14 with winds from west-south-west through north to north-east.

1927.	Number of occasions of—													
	Visibility X to E.							Visibility k, l, m.						
	7h	9h	13h	15h	18h	21h	Total.	7h	9h	13h	15h	18h	21h	Total.
Jan.	1	—	1	—	—	—	2	1	5	7	8	2	1	24
Feb.	7	3	2	2	4	1	19	1	4	2	3	—	—	10
Mar.	3	2	—	1	2	1	9	13	6	8	11	11	3	52
Apr.	1	—	—	—	1	1	3	16	15	21	15	15	11	93
May	1	—	—	—	—	—	1	13	16	14	16	15	12	86
June	—	—	—	—	—	—	—	18	13	18	17	18	16	100
July	—	—	—	—	—	1	1	4	6	24	14	10	4	62
Aug.	3	—	—	—	—	—	3	4	10	9	14	11	5	53
Sept.	2	—	—	—	—	—	2	11	14	19	13	13	13	83
Oct.	—	—	—	—	1	1	2	8	10	12	13	4	4	51
Nov.	1	—	1	—	—	1	3	11	10	8	12	9	9	59
Dec.	—	—	—	—	—	—	—	5	5	5	6	2	2	25
Year	19	5	4	3	8	6	45	105	114	147	142	110	80	698

ATMOSPHERIC ELECTRICITY.

Notes on the Instruments.

Autographic records of atmospheric electrical potential gradient were obtained by means of an electrograph of the Kelvin water-dropper type, the potential at the water-jet being registered by a Dolezalek quadrant electrometer. In all essential details the electrograph arrangements, the method of making scale and insulation tests and the method of reducing the autographic curve readings to potential gradient in the open were as described in *The Observatories' Year Book*, 1922, pp. 75–76.

The scale value of the photographic record obtained by means of the Dolezalek electrometer remained at about 3·1 volts per millimetre during 1927. 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) varied from four in January to eleven in March, each determination being based on about fifteen or more readings (at intervals of one minute) of the potential in the open. The values of the monthly reduction factor finally adopted for 1927 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. The final values, which are given in Table 264, range from 6·34 in May to 6·08 in October. The mean of the twelve monthly reduction factors is 6·19 for 1927, as compared with 6·14 for 1926.

All determinations of scale value and reduction factor were obtained with a particular Wulf quartz-thread electrometer. Between November, 1926, and April, 1927, a number of calibrations of this instrument were carried out, employing a potentiometer and a Weston standard cell. The finally adopted calibration, which is in close agreement with that used in 1925, was employed in reducing the results for 1927.

IDENTIFICATION NUMBERS OF INSTRUMENTS USED IN 1927.

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 3h, 9h, 15h and 21h G.M.T. on all days, while values for all hours are assigned on days classified as 0*a*, 1*a* or 2*a*. The character figures are given in Table 267, the significance of these symbols being as follows :—

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

1, denotes one or more excursions of limited duration to the negative side of the scale during the same period.

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

a, denotes that within the 25 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1,000 volts.

b, denotes that, during the same period, a range of 1,000 volts or more 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 was reached in at least six hours.

Table 264 contains the values of electrical potential gradient at 3h, 9h, 15h and 21h G.M.T. daily, the value for a given hour representing the mean for the period of 60 minutes centring at that hour. Blanks indicate that the trace was in some way defective. 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 265 are given, for 0*a* 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 1*a* and 2*a* days combined appear in Table 266.

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.

Contrary to the practice followed in some earlier years[1] the mean values of potential gradient given in Table 264 are of two kinds, viz., (*a*) the means 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 3h, 9h, 15h and 21h, on a sufficiently large number of days, will approximate closely to the mean value derived from all hourly values of all the days.

The (*a*) mean exceeds the (*b*) mean in all months excepting October, and is exceeded by the mean value on 0*a* days in all months with the exception of July. The 0*a* mean value in this month is, however, only slightly less than the (*a*) mean. The general tendency is for the 1927 values to exceed those of 1926, this being the case in nine months for the (*a*) mean, in seven months for the (*b*) mean,and in eight months for the mean for 0*a* days.

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 0*a* days are as follow :—

	0*a* v/m.	(*a*) v/m.	(*b*) v/m.
1922	257	225	182
1923	278	235	159
1924	236	214	157
1925	284	243	209
1926	249	201	177
1927	259	223	193

Each of the three mean values for 1927 is greater than the corresponding value for 1926, the mean value for 0*a* days and the (*a*) mean being close to the 1922 values. The annual mean value on 0*a* days is nearly equal to that, 260 v/m, for the years 1913–26. The highest value of the (*a*) mean and of the (*b*) mean occurred in February, a month in which both rainfall and mean wind speed were below average. The mean on 0*a* days for February was also high, being 381 v/m, although the actual highest monthly mean for 0*a* days was 391 v/m in October.

[1] *i.e.*, prior to 1923.

Noteworthy occasions of high potential gradient were as follow :—

(i) January 20d 18h 50m to 24h. The mean potential gradient during this interval was 750 v/m, and was associated with continuous slight snow.

(ii) February 15d 6h to 24h. High potential gradient nearly all day during fog. The mean potential gradient was 575 v/m.

(iii) Fog persisted until 21h on 16th February, accompanied by high positive potential gradient. A potential gradient of more than 970 v/m was reached at 19h.

(iv) August 5d 20h to 6d 8h. The high mean value of about 700 v/m was reached in this interval during fair weather and light winds.

(v) October 9d 20h. to 10d 4h. A mean potential gradient of about 650 v/m was attained during fog.

(vi) October 10d 15h to 11d 8h. High positive potential gradient during fog. The mean potential gradient was 670 v/m.

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

(i) January 24d 17h to 25d 1h 15m. More than eight hours of continuous negative potential gradient, the mean value of which for the interval was —1400 v/m.

(ii) February 22d 2h to 8h. Six hours of continuous negative potential gradient, during which values below —1700 v/m were reached.

(iii) June 16d 15h 50m. to 22h 10m. More than seven hours continuous negative potential gradient during continuous rain. The lowest value reached was less than —1300 v/m.

(iv) June 23d 0h 30m to 8h 50m. More than eight hours continuous negative potential gradient, during which rapid oscillation occurred, the limits of registration being exceeded at times.

(v) October 22d 10h 15m to 17h 55m. This was part of a very disturbed period, in which the limits of registration were exceeded for nearly four hours in all, and in which a potential gradient of considerably less than —1400 v/m was reached.

(vi) November 1d 10h 30m to 19h. During this interval values of potential gradient considerably below —1400 v/m were frequently attained.

In all the above cases continuous moderate or heavy rain was falling.

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

(i) March 25d 11h to 21h 40m. A long period of negative potential gradient during rain and sleet was broken by three excursions to the positive, one of which reached +1300 v/m, and lasted for half an hour. The limits of registration were exceeded on both positive and negative sides.

(ii) May 4d 13h 20m to 20h 10m. This was a highly disturbed period during continuous rain. The potential gradient was mainly negative, with occasional movements, lasting a few minutes, to beyond the limits of registration on the positive side. The range shown is greater than 3100 v/m.

(iii) May 16d 13h 30m to 20h. A quick rise to high positive potential gradient during a thunderstorm with heavy rain was followed by six hours of negative potential gradient, practically four hours of which were beyond the limits of registration. Values greater than +1300 v/m and considerably less than —1800 v/m were attained.

(iv) June 28d 17h 50m to 29d 4h 25m. A very highly disturbed period, during rain. Mainly negative, though with excursions to beyond the limits of registration in both positive and negative directions at times. The range shown is greater than 3100 v/m.

(v) August 8d 12h 10m to 20h 10m. Two excursions to high positive values for short intervals interrupted this period of negative potential gradient during rain. The potential was considerably less than —1700 v/m at times.

Although there are considerable irregularities in the mean diurnal inequalities of potential gradient on *oa* days for individual months, the mean inequalities for the seasons resemble fairly closely the normals for 1913–23. As is usual, the principal minimum in winter occurs in the early morning; but the principal maximum, in the evening, is later than is usual in this season, and the tendency towards a small secondary maximum in the forenoon is not so clearly shown as in most years. In the mean diurnal inequality for the four equinoctial months the chief features are a minimum at 13h or 14h and a maximum at 21h. In the summer inequality the minimum occurs in the afternoon, there being little difference between the values from 11h to 15h., and the chief maximum at about the normal time, viz., 21h. The secondary maximum at 6h in the inequality for summer is largely due to the contribution made by August, but the feature is present in the inequalities for each of the other three months.

TERRESTRIAL MAGNETISM.

Notes on the Instruments.[1]

The magnetographs, which have been in regular use for fifteen years or more, are situated in the east chamber of the underground magnet house and are 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).

The declination magnetograph which was formerly in use for many years at Kew Observatory was erected in the west room of the magnet house in 1927. Records were obtained regularly during the last five months of the year.

The diurnal range of temperature in the east chamber of the magnet house is normally negligible. Temperature is ascertained daily at 9h 30m by the thermometers within the instrument cases. The daily values appear in Tables 271, 275, etc.; the monthly means of the readings so obtained during 1927, together with the mean values for the years 1911–26, were as follow :—

EXCESS OF MEAN TEMPERATURE ABOVE 280a.

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1927	3·8	3·2	3·0	3·1	3·4	4·2	5·1	6·4	7·1	6·6	5·9	4·8
Mean 1911–26	3·6	3·0	2·7	2·5	2·8	3·6	4·7	5·7	6·4	6·3	5·6	4·6

The annual range of temperature during 1927 was 4°·4 C., the mean range for the previous fifteen years being 4°·2 C.

The north and west component instruments are of the bifilar type, by Adie. In each of these instruments the torsion of a bifilar suspension, of fine tungsten-steel wire, is utilised to bring the magnet into an azimuth approximately perpendicular to the direction of the component of which the changes are recorded. In December, 1927, determinations of the azimuth of the magnetograph magnets were carried out, by comparing the deflections produced by an auxiliary magnet with its axis (*a*) true north-south, or east-west and (*b*) inclined at a known small angle to those azimuths. It was found that the departures of the azimuths of the magnetograph magnets from the nominal azimuths were not more than 0°·5. On December 31, between 23h and 24h, slight adjustments for azimuth were made to the north and west instruments and the scale value of the former was increased slightly.

[1] For more detailed accounts of the magnetographs, absolute instruments, and normal methods of procedure, see *The Observatories' Year Book*, 1922, pp. 77 *et seq.*

The instrument for the vertical component is a multiple magnet balance designed by the late Professor W. Watson, F.R.S. This instrument is very sensitive to mechanical disturbance. No changes were made to this instrument in 1927.

The constants of the magnetographs were as follow :—

	North.	West.	Vertical.
Time scale .. .. 1 hour =	15·5 mm.	15·5 mm.	15·5 mm.
Time marks	Every two hours, beginning at exact hour.		
Error of time mark	Not more than ± 1 min.		
Period of vibration, seconds	13·9	9·9	7·4
Logarithmic decrement[1]	·365	·569	—
Angular equivalent of 1 mm. on paper, radians ..	·00032	·00032	·0003
Twist of bifilar suspension	60°	30°	—
Ratio $\frac{\text{length of bifilar suspension}}{\text{mean breadth of suspension}}$	66	100	—
Temperature coefficient, per 1° C.	−9 γ	−2 γ	+26 γ
Direction of marked pole	West.	North.	—
Azimuth of magnet	270°	0°	346°

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

The scale values of the magnetographs were determined at intervals of two weeks. In the following table are given the scale values, obtained by overlapping means, which were employed in reducing the curve readings.

SCALE VALUES OF THE MAGNETOGRAPHS (γ per mm. on the paper).

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Instrument.. ..	4·90	4·90	4·90	4·90	4·90	4·91	4·91	4·90	4·91	4·89	4·89	4·89
West Instrument	6·62	6·62	6·62	6·63	6·63	6·62	6·62	6·62	6·60	6·60	6·61	6·61
Vertical Instrument ..	4·30	4·30	4·30	4·31	4·30	4·30	4·30	4·37	4·48	4·36	*4·30 4·29	†4·28 4·29

* to 15th. † to 16th.

The fortnightly determinations indicate that the scale value of the vertical instrument increased from 4·30 in July to 4·50 in mid-September and then decreased to 4·30 in November. Daily scale values were obtained by interpolation. The values given for August, September and October in the above table are the means of the daily values employed.

Absolute observations of horizontal force, declination,[1] and inclination were taken, usually twice weekly, in the east magnetic hut. Declination and horizontal intensity were determined by means of the Kew pattern unifilar magnetometer placed on Pier No. 5. In the deflection experiment of the horizontal intensity determination observations were made for three distances of the collimator magnet, viz., 25, 30, 35 cm.

As in recent years, the procedure in respect of the P and Q correction, $\log_{10}(1+P/25^2+Q/25^4)$, which is used in the reduction of the horizontal intensity observations, differed from that which had been followed from the latter part of 1913 until 1923. Throughout the period named the value of the correction adopted for a given month was the mean derived from the observations obtained during the seven months including the given month as fourth of the seven. The monthly values so derived show considerable fluctuations, and it is improbable that P and Q actually

[1] After July declination was determined on 24 or more days in each month.

varied to the extent implied. The value of the correction used in reducing the horizontal intensity observations of 1927 is the mean of the mean values for each of the years 1917–26, viz., ·00537.

The values of P, Q, and $\log_{10}(1+P/25^2+Q/25^4)$ are as follow :—

Year.	P.	Q.	$\log_{10}(1+P/25^2+Q/25^4)$.
1917	+6·862	+418·9	·00520
1918	+7·604	+ 68·6	·00533
1919	+9·126	−603·5	·00563
1920	+8·224	−216·6	·00544
1921	+7·978	+ 25·3	·00554
1922	+6·607	+513·1	·00513
1923	+6·371	+614·3	·00508
1924	+7·899	−128·6	·00531
1925	+8·214	−261·7	·00538
1926	+9·675	−938·4	·00564
1927	+10·422	−1265·0	·00580

The mean annual value of the P and Q correction has been increasing since 1923. The mean value of the logarithm for the years 1917–27 is ·00541. Had this value, instead of ·00537, been used in reducing the observations made in 1927 the published values of H, N, W and V would be increased by 0·8, 0·7, 0·2, and 2·1*y* respectively.

Until it was possible to resume observations with the Schulze inductor (on Pier No. 6) towards the end of March, and also during some weeks afterwards, observations of inclination were made with the Dover dip circle placed on Pier No. 3 in the west hut. As is stated on pp. 141–2 of the *Observatories' Year Book*, 1926, the average difference between the indications of the dip circle and the inductor appeared to be negligible in March-April, 1927, whereas in April, 1926, the inclination values obtained by the dip circle exceeded those obtained by the inductor by about 0′·4. Following the practice adopted in 1926 the vertical force values based on the dip circle observations in January-March, 1927, have been diminished by amounts decreasing from 4γ in January to 0γ at the end of March. At times during 1927, and in the early months of 1928, the behaviour of the dip inductor was somewhat unsatisfactory. A sudden apparent increase of fully 40γ in the deduced vertical force base line value occurs between the observations at the end of September and those at the beginning of October. There is no evidence on the autographic records of vertical force that any discontinuity occurred at this time and it is concluded that some change in the inductor must have taken place. It is believed that the formation of a black deposit, a friction-oxidation product, on the commutator and brushes of the inductor was responsible for most of the apparent observational irregularities. In assigning vertical force base line values the apparent discontinuity mentioned and other irregularities have been smoothed out.

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

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 60a, are also given. For each set of absolute observations are shown the deduced base line values of N, W, and V and, in brackets, the adopted base line values. Thus, the entry 15823 (18) signifies :—deduced base line value 15823, adopted base line value 15818. The adopted values were obtained as described in the foregoing, and therefore the base line values corresponding to dates between those given in the table may be obtained by interpolation. For dates before March 23 the values of I and the deduced base line values for V are based on dip circle observations, the corresponding adopted base line values being obtained as described above.

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

Eskdalemuir: **1927.**

Date.	Declination.		Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
	h. m.	° ′ ″	h. m.	° ′	h. m.	γ		15,000 γ +	4,000 γ +	44,000 γ +
Jan. 3	14 21	15 31 43	12 33	69 40·7	11 20	16629	906·0	751 (56)	200 (199)	787 (801)
5	14 25	15 31 15	10 49	69 39·6	12 2	16635	906·3	755 (55)	200 (199)	800 (02)
7	14 25	15 32 42	—	—	11 45	16610	905·9	757 (54)	199 (99)	—
11	14 25	15 32 20	10 53	69 40·5	11 51	16605	905·4	751 (54)	202 (199)	800 (02)
12	—	—	11 46	69 40·3	—	—	—	—	—	793 (803)
14	14 29	15 31 10	10 51	69 40·4	12 0	16624	905·9	753 (53)	199 (99)	787 (803)
18	14 19	15 33 0	10 51	69 42·4	12 5	16615	906·1	757 (53)	197 (99)	813 (04)
21	14 40	15 30 40	10 49	69 40·7	11 57	16642	905·8	762 (52)	204 (199)	806 (05)
25	14 21	15 32 30	10 38	69 40·7	11 48	16631	906·3	753 (52)	197 (99)	807 (07)
28	14 31	15 30 10	10 51	69 40·7	12 10	16616	905·5	738 (52)	195 (99)	787 (808)
Feb. 1	14 19	15 32 43	15 12	69 40·5	12 1	16617	905·8	750 (51)	199 (99)	800 (10)
4	14 21	15 29 15	10 45	69 42·3	12 2	16634	906·3	755 (51)	198 (99)	870 (11)
8	14 27	15 33 23	10 52	69 39·5	12 7	16658	906·8	759 (50)	205 (199)	787 (813)
11	14 21	15 30 0	10 31	69 40·8	12 5	16614	906·1	749 (50)	201 (199)	791 (815)
15	14 19	15 33 52	—	—	11 55	16641	905·5	749 (50)	200 (199)	—
16	—	—	11 55	69 41·1	—	—	—	—	—	827 (18)
18	—	—	15 29	69 41·3	—	—	—	—	—	820 (20)
19	9 9	15 26 51	—	—	11 17	16632	906·5	750 (50)	198 (99)	—
23	15 20	15 30 16	10 44	69 41·3	11 49	16643	906·1	753 (50)	198 (99)	832 (22)
23	—	—	14 37	69 40·7	—	—	—	—	—	847 (22)
25	14 19	15 30 13	10 35	69 42·1	11 59	16628	905·9	751 (50)	198 (99)	816 (23)
Mar. 1	14 23	15 34 45	10 54	69 41·1	12 11	16627	906·5	755 (50)	201 (199)	839 (24)
2	—	—	11 41	69 41·5	—	—	—	—	—	858 (25)
2	—	—	12 29	69 41·0	—	—	—	—	—	837 (25)
4	14 27	15 31 45	10 35	69 41·4	11 53	16626	906·1	752 (51)	199 (99)	822 (25)
8	14 27	15 32 30	10 50	69 41·0	11 59	16629	905·7	743 (51)	194 (99)	797 (827)
10	—	—	10 37	69 45·1	—	—	—	—	—	849 (27)
11	14 23	15 33 9	10 38	69 42·9	11 51	16628	906·4	752 (51)	198 (99)	828 (28)
12	—	—	10 45	69 42·2	—	—	—	—	—	839 (28)
14	—	—	15 33	69 41·9	11 45	—	905·8	—	—	838 (29)
15	14 25	15 34 0	11 35	69 40·8	—	16623	—	750 (51)	198 (99)	822 (29)
16	14 25	15 35 57	—	—	12 4	16647	906·3	757 (51)	197 (99)	—
17	—	—	10 49	69 43·5	—	—	—	—	—	851 (30)
18	14 39	15 32 47	10 47	69 43·3	11 46	16631	906·5	761 (51)	202 (199)	895 (30)
18	—	—	15 24	69 41·5	—	—	—	—	—	856 (30)
21	—	—	10 39	69 41·9	—	—	—	—	—	833 (31)
23	14 35	15 34 5	10 43	69 41·8	11 41	16610	905·9	750 (51)	200 (199)	829 (31)
24	—	—	15 13	69 40·5	—	—	—	—	—	831 (31)
25	14 46	15 33 28	10 45	69 41·1	11 44	16631	906·4	749 (51)	196 (99)	828 (31)
28	—	—	15 19	69 40·8(C)	—	—	—	—	—	848 (32)
29	14 59	15 30 19	10 47	69 42·0	11 44	16644	906·2	756 (51)	201 (199)	849 (32)
30	—	—	12 23	69 41·9(C)	—	—	—	—	—	865 (32)
31	—	—	14 55	69 41·0(C)	—	—	—	—	—	850 (32)
31	—	—	15 43	69 39·9(C)	—	—	—	—	—	838 (32)
Apr. 1	14 24	15 33 40	10 59	69 43·3	11 53	16626	906·2	753 (51)	198 (99)	836 (32)
5	14 23	15 33 3	12 27	69 42·9	11 22	16647	906·5	763 (51)	202 (199)	870 (32)
7	15 0	15 37 15	—	—	—	16659	—	760 (51)	201 (199)	—
8	15 5	15 33 3	11 11	69 43·9(C)	11 23	16590	906·1	761 (51)	199 (99)	873 (32)
8	—	—	12 7	69 43·3(C)	—	—	—	—	—	849 (32)
9	—	—	11 55	69 44·0	—	—	—	—	—	865 (32)
12	13 37	15 32 29	9 4	69 41·9	11 18	16616	906·1	748 (52)	200 (199)	812 (32)
12	—	—	11 33	69 42·9(C)	—	—	—	—	—	823 (32)
15	13 45	15 33 23	8 54	69 45·2	10 33	16589	906·1	751 (52)	198 (99)	827 (32)
16	—	—	11 3	69 43·7(C)	—	—	—	—	—	832 (32)
18	—	—	11 29	69 43·1(C)	—	—	—	—	—	829 (32)
18	—	—	12 17	69 43·7	—	—	—	—	—	886 (32)
19	13 17	15 32 48	8 50	69 42·2	11 18	16619	906·1	755 (52)	197 (99)	834 (32)
19	—	—	10 38	69 42·2(C)	—	—	—	—	—	830 (32)
19	—	—	11 23	69 42·2(C)	—	—	—	—	—	844 (32)
19	—	—	14 29	69 40·5(C)	—	—	—	—	—	827 (32)
19	—	—	15 20	69 40·6(C)	—	—	—	—	—	840 (32)
20	—	—	8 59	69 41·2	—	—	—	—	—	827 (32)
22	13 29	15 33 45	8 55	69 40·5	11 1	16626	905·8	748 (52)	197 (99)	812 (32)
26	13 31	15 30 43	8 49	69 42·1	11 19	16632	906·4	753 (52)	210 (199)	836 (32)
26	—	—	10 21	69 43·5(C)	—	—	—	—	—	861 (32)
26	—	—	11 11	69 42·1(C)	—	—	—	—	—	833 (32)
26	—	—	13 56	69 40·0(C)	—	—	—	—	—	828 (32)
26	—	—	14 43	69 39·7(C)	—	—	—	—	—	829 (32)

ABSOLUTE DETERMINATIONS—*continued.*

Date.	Declination.			Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.		Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
	h. m.	° ′	″	h. m.	° ′	h. m.	γ		15,000 γ +	4,000 γ +	44,000 γ +
Apr. 26	—	—		15 30	69 40·3(C)	—	—	—	—	—	835 (32)
27	13 33	15 31	9	8 57	69 41·1	11 5	16644	906·2	758 (52)	199 (99)	846 (32)
27	—	—		14 36	69 40·0(C)	—	—	—	—	—	846 (32)
27	—	—		15 23	69 39·7(C)	—	—	—	—	—	852 (32)
28	—	—		13 48	69 40·3(C)	—	—	—	—	—	826 (32)
28	—	—		14 35	69 39·6(C)	—	—	—	—	—	818 (32)
28	—	—		14 38	69 40·2	—	—	—	—	—	849 (32)
29	13 43	15 32	45	8 49	69 40·5	11 1	16641	905·8	749 (52)	200 (199)	822 (32)
29	—	—		13 48	69 39·3(C)	—	—	—	—	—	826 (32)
29	—	—		14 36	69 38·1(C)	—	—	—	—	—	821 (32)
30	—	—		9 8	69 42·1	—	—	—	—	—	821 (32)
30	—	—		11 27	69 41·1(C)	—	—	—	—	—	826 (32)
May 3	13 21	15 34	51	8 47	69 41·3	11 18	16613	905·7	751 (53)	197 (99)	835 (32)
5	14 5	15 28	32	10 15	69 44·3	11·19	16601	905·9	755 (53)	198 (99)	849 (32)
5	—	—		10 34	69 44·5(C)	—	—	—	—	—	828 (32)
7	—	—		11 8	69 41·4	—	—	—	—	—	846 (32)
10	13 45	15 28	45	8 55	69 42·2	11 15	16637	906·6	768 (53)	206 (199)	891 (31)
10	—	—		13 51	69 41·5(C)	—	—	—	—	—	890 (31)
13	14 27	15 30	27	8 51	69 40·6	11 20	16635	905·7	746 (54)	209 (199)	826 (31)
13	—	—		10 41	69 41·3(C)	—	—	—	—	—	824 (31)
13	—	—		11 29	69 40·9(C)	—	—	—	—	—	827 (31)
16	—	—		10 59	69 42·7	—	—	—	—	—	855 (30)
16	—	—		14 15	69 40·6	—	—	—	—	—	839 (30)
17	13 31	15 29	13	9 1	69 41·9	11 21	16629	906·0	760 (54)	201 (199)	858 (29)
17	—	—		10 41	69 42·1(C)	—	—	—	—	—	841 (29)
17	—	—		11 29	69 41·9(C)	—	—	—	—	—	842 (29)
17	—	—		15 18	69 39·8	—	—	—	—	—	851 (29)
18	—	—		8 57	69 42·3	—	—	—	—	—	848 (29)
18	—	—		14 33	69 40·3(C)	—	—	—	—	—	847 (29)
18	—	—		15 23	69 40·0(C)	—	—	—	—	—	858 (29)
20	13 49	15 36	8	8 51	69 41·6	11 21	16692	906·4	770 (55)	203 (199)	859 (28)
21	—	—		8 48	69 41·5	—	—	—	—	—	859 (28)
23	—	—		14 7	69 39·6	—	—	—	—	—	866 (27)
23	—	—		15 9	69 39·1	—	—	—	—	—	853 (27)
24	13 23	15 27	33	8 51	69 40·3	11 23	16629	905·9	759 (55)	199 (99)	812 (27)
24	—	—		10 43	69 40·2(C)	—	—	—	—	—	840 (27)
24	—	—		11 33	69 39·7(C)	—	—	—	—	—	854 (27)
25	—	—		8 59	69 39·9	—	—	—	—	—	818 (26)
27	13 19	15 27	40	8 48	69 39·2	11 20	16636	906·1	757 (55)	199 (99)	788 (825)
27	—	—		10 47	69 40·3(C)	—	—	—	—	—	835 (25)
27	—	—		11 35	69 40·1(C)	—	—	—	—	—	823 (25)
28	—	—		9 1	69 41·5	—	—	—	—	—	821 (25)
30	—	—		11 29	69 41·5(C)	—	—	—	—	—	856 (24)
30	—	—		14 49	69 39·8	—	—	—	—	—	871 (24)
31	13 15	15 32	13	8 49	69 41·3	11 4	16641	906·4	770 (56)	204 (199)	855 (24)
31	—	—		14 5	69 39·6(C)	—	—	—	—	—	869 (24)
31	—	—		15 13	69 38·7	—	—	—	—	—	879 (24)
June 3	13 33	15 31	6	8 46	69 40·9	10 31	16648	906·1	758 (56)	198 (99)	820 (22)
3	—	—		14 21	69 38·8(C)	—	—	—	—	—	841 (22)
7	13 31	15 30	31	8 55	69 41·4	11 23	16608	905·1	741 (57)	194 (99)	771 (820)
7	—	—		11 17	69 41·9(C)	—	—	—	—	—	795 (820)
10	13 37	15 29	39	9 3	69 39·6	11 21	16629	905·7	752 (58)	200 (199)	805 (19)
10	—	—		10 38	69 39·3(C)	—	—	—	—	—	813 (19)
10	—	—		11 27	69 39·5(C)	—	—	—	—	—	820 (19)
11	—	—		11 28	69 40·2	—	—	—	—	—	809 (18)
14	13 23	15 30	48	8 55	69 40·6	11 12	16637	905·3	758 (58)	197 (99)	801 (16)
14	—	—		10 48	69 42·5(C)	—	—	—	—	—	849 (16)
14	—	—		14 22	69 40·4(C)	—	—	—	—	—	842 (16)
17	13 41	15 30	59	8 57	69 40·5	10 51	16632	905·4	753 (59)	196 (200)	788 (815)
17	—	—		14 27	69 39·4(C)	—	—	—	—	—	805 (15)
21	13 43	15 27	23	8 51	69 40·4	11 17	16642	905·9	762 (59)	198 (200)	810 (13)
22	8 27	15 16	37	11 35	69 40·9(C)	—	16635	—	760 (59)	202 (00)	827 (13)
23	13 21	15 29	24	—	—	—	16627	—	753 (60)	196 (200)	—
24	13 19	15 27	17	8 49	69 39·5	10 37	16623	905·9	752 (60)	197 (200)	793 (812)
24	—	—		15 20	69 39·8(C)	—	—	—	—	—	797 (812)
25	8 33	15 15	53	—	—	—	16619	—	752 (60)	196 (200)	—
27	8 39	15 17	39	—	—	—	16601	—	762 (61)	197 (200)	—
28	13 27	15 27	54	11 22	69 41·5	10 31	16636	906·2	762 (61)	200 (00)	822 (10)
29	9 17	15 17	18	—	—	—	16618	—	762 (61)	198 (200)	—
30	13 35	15 28	33	14 15	69 38·0(C)	—	16635	—	762 (61)	199 (200)	800 (09)

ABSOLUTE DETERMINATIONS—*continued.*

Date.		Declination.			Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
		Mean Time.	D.		Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
		h. m.	° ′ ″		h. m.	° ′	h. m.	γ		15,000 γ +	4,000 γ +	44,000 γ +
July	1	13 47	15 29 9		8 46	69 41·9	10 29	16575	905·4	759 (62)	199 (200)	803 (08)
	1	—	—		14 37	69 39·8(C)	—	—	—	—	—	805 (08)
	5	13 35	15 32 51		14 17	69 40·2	11 3	16658	905·3	760 (63)	201 (00)	830 (06)
	6	—	—		13 47	69 39·3(C)	—	—	—	—	—	792 (805)
	7	8 27	15 15 5		9 9	69 40·4	10 59	16619	905·7	755 (63)	197 (200)	749 (805)
	8	8 34	15 15 49		14 13	69 41·3	—	16618	—	754 (63)	200 (00)	—
	11	9 14	15 20 9		8 50	69 40·7	11 5	16620	905·9	766 (64)	204 (00)	807 (03)
	12	13 39	15 26 29		14 24	69 39·5(C)	—	16634	—	767 (65)	203 (00)	835 (02)
	13	9 19	15 17 43		8 55	69 39·6	—	16621	—	763 (65)	201 (00)	761 (802)
	15	9 16	15 18 13		8 46	69 40·1	11 3	16611	905·9	763 (66)	201 (01)	757 (800)
	20	13 19	15 29 14		11 39	69 41·5	10 45	16619	906·0	774 (68)	205 (01)	824 (797)
	25	13 45	15 28 37		8 47	69 41·9	10 29	16629	905·8	769 (70)	202 (01)	788 (92)
	27	13 39	15 29 17		8 57	69 42·5	11 27	16639	905·9	774 (70)	199 (201)	799 (90)
	29	13 21	15 30 50		8 46	69 41·0	10 56	16643	906·1	777 (71)	201 (01)	810 (788)
Aug.	2	—	—		8 53	69 40·9	11 25	16615	905·7	—	—	789 (84)
	3	8 41	15 18 27		—	—	—	—	—	770 (73)	200 (01)	—
	5	13 27	15 28 39		8 51	69 40·8	11 29	16633	905·5	776 (73)	199 (201)	780 (80)
	9	13 15	15 26 50		8 45	69 39·5	11 18	16633	905·5	777 (75)	199 (201)	794 (75)
	12	8 23	15 13 59		8 46	69 39·5	10 29	16632	905·4	775 (76)	200 (01)	756 (71)
	16	13 11	15 28 37		8 46	69 41·3	11 19	16625	905·9	777 (77)	203 (01)	766 (66)
	19	13 27	15 33 50		8 47	69 40·3	11 21	16628	905·8	775 (78)	199 (202)	746 (62)
	19	14 21	15 31 23		—	—	—	16634	—	773 (78)	201 (02)	—
	23	13 17	15 28 35		8 51	69 42·6	11 25	16610	906·1	782 (78)	203 (02)	755 (57)
	26	8 55	15 15 5		8 37	69 41·5	10 27	16598	905·8	779 (79)	200 (02)	743 (53)
	31	13 37	15 26 40		9 1	69 43·3	10 41	16614	905·4	781 (80)	205 (03)	764 (47)
Sept.	2	13 37	15 28 8		8 37	69 42·2	11 31	16610	905·7	778 (80)	205 (03)	733 (45)
	5	13 17	15 25 27		11 31	69 43·4	10 41	16603	905·6	780 (80)	204 (03)	768 (42)
	9	13 23	15 29 47		8 39	69 40·7	10 27	16606	906·0	783 (81)	203 (03)	732 (40)
	12	13 29	15 28 20		8 53	69 41·5	11 25	16626	906·2	787 (81)	203 (04)	745 (40)
	16	13 33	15 26 47		8 35	69 40·6	11 21	16619	906·1	790 (81)	206 (04)	751 (41)
	19	13 29	15 26 35		8 53	69 40·3	11 23	16600	906·1	783 (81)	207 (04)	737 (43)
	23	13 33	15 23 45		8 45	69 40·6	10 25	16669	908·1	824 (780)	214 (04)	831 (745)
	26	13 19	15 29 19		9 9	69 41·5	11 20	16600	905·7	776 (79)	203 (04)	727 (47)
	30	13 17	15 26 43		8 46	69 39·7	10 47	16605	906·1	776 (79)	203 (04)	690 (750)
Oct.	3	14 19	15 24 35		11 55	69 42·4	11 7	16611	906·0	779 (78)	204 (04)	783 (52)
	7	10 5	15 19 23		10 29	69 43·7	11 13	16570	906·3	784 (77)	206 (04)	793 (54)
	10	14 9	15 28 45		11 57	69 44·0	11 11	16595	905·0	774 (76)	199 (203)	775 (56)
	14	14 13	15 23 25		12 21	69 43·7	11 33	16602	906·1	777 (76)	203 (03)	776 (58)
	17	14 15	15 24 50		12 15	69 43·5	11 31	16612	905·5	772 (75)	203 (03)	792 (60)
	21	9 23	15 16 41		10 17	69 40·7	10 53	16622	906·7	781 (74)	206 (02)	770((62)
	24	14 13	15 23 23		12 27	69 43·5	11 44	16596	905·6	769 (73)	199 (202)	806 (764)
	28	14 17	15 21 7		12 17	69 42·0	11 9	16617	905·9	775 (72)	202 (02)	795 (66)
	31	14 13	15 22 17		11 55	69 41·9	11 7	16620	906·2	774 (72)	201 (02)	789 (68)
Nov.	4	—	—		10 57	69 41·1	—	—	—	—	—	757 (71)
	5	10 57	15 20 15		—	—	10 29	16618	905·6	769 (71)	199 (201)	—
	7	14 15	15 21 49		12 27	69 41·5	11 31	16627	906·2	773 (70)	203 (01)	798 (72)
	10	14 19	15 21 50		12 25	69 41·4	11 39	16624	906·4	773 (69)	205 (01)	800 (774)
	14	14 21	15 19 55		12 16	69 41·1	11 25	16622	905·9	766 (68)	197 (201)	774 (77)
	21	14 19	15 19 57		12 5	69 41·6	11 16	16612	906·2	768 (66)	199 (201)	779 (81)
	25	14 33	15 20 42		12 41	69 40·7	11 25	16632	906·3	770 (64)	203 (01)	804 (785)
	29	14 45	15 23 17		12 14	69 40·3	11 25	16612	905·8	758 (63)	201 (01)	771 (87)
Dec.	2	14 15	15 22 42		12 15	69 40·9	11 17	16613	906·2	760 (62)	199 (200)	801 (789)
	5	14 13	15 19 59		12 27	69 40·0	11 33	16594	906·0	760 (61)	204 (00)	800 (791)
	9	14 9	15 19 22		12 19	69 41·3	11 21	16597	906·4	762 (60)	196 (200)	789 (93)
	12	14 15	15 19 3		12 21	69 39·6	11 34	16623	906·1	757 (59)	199 (200)	772 (95)
	16	14 25	15 19 38		11 56	69 40·0	11 12	16612	905·9	762 (58)	204 (00)	722 (99)
	20	14 43	15 18 15		12 9	69 40·6	11 19	16632	905·6	762 (57)	202 (00)	821 (03)
	23	14 21	15 19 20		12 15	69 40·6	11 23	16620	905·7	755 (56)	199 (200)	788 (806)
	27	14 59	15 17 17		12 23	69 39·6	11 39	16632	906·1	761 (55)	200 (00)	816 (10)
	30	11 39	15 18 40		12 21	69 40·4	10 37	16612	906·2	748 (55)	195 (200)	793 (813)

NOTE.—Before March 23 the values of I were obtained with the dip circle. Dip circle observations after that date are marked with C.

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 centring at the given hour. 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 1927.

Unifilar Magnetometer, Kew pattern.. .. .. (with collimator magnet, 60a, and mirror magnet, 60c).	Elliott, No. 60.
Dip Inductor	Schulze, No. 103.
Dip Circle .. .. {with needles 74 (1) and 74 (2)}.	Dover, No. 74.

Notes on Tables.

The hourly values of N, W, and V, obtained as described above, appear in three of the four monthly tables. The mean value for the day is computed according to the expression

$$x = \{\tfrac{1}{2}(x_0 + x_{24}) + x_1 + x_2 + \ldots\ldots\ldots + x_{23}\}/24.$$

The letters " Q " and " D " denote the five quiet and the five most disturbed days as selected at De Bilt.

In the fourth table for each month are given :—

(*a*) the values and times of the daily maximum and minimum and the values of the absolute daily range for each of the components N, W and V.

(*b*) the value of ΣR^2[1] for each day. ΣR^2 is written for $R_N^2 + R_W^2 + R_V^2$ where R_N, R_W, R_V denote the absolute ranges for a calendar day of the north, west 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 underground magnetograph chamber.

In *The Observatories' Year Book* for the years 1922–6 the fourth table for each month contains the values of the " characteristic ratio," ρ, which is the ratio of the value of ΣR^2 for a given day to the mean monthly value of ΣR^2. To some extent this ratio serves as an index of the degree of disturbance on a given day relatively to other days of the same month. It enables the most highly disturbed days to be identified with fair certainty, but is of less use in distinguishing between the quieter days of a month : especially in summer months, when even the quiet day range is large, and in months in which very large disturbance occurs. Another defect is the great difference in the significance, in different months, of one and the same value of the

[1] See also p. 164.

ratio. Further, as long as record is liable to be lost during the larger disturbances the exact value of the ratio cannot be computed in some cases. Some of the drawbacks mentioned could be diminished by relating the ratio of the daily value of ΣR^2 not to the mean value of ΣR^2 for the month but to a quantity which approximates to the mean value of ΣR^2 for a long period, *e.g.*, for 11 years. It is considered that, on the whole, the application of ΣR^2 as a criterion of disturbance or activity is not materially increased by the publication of the values of "ρ" and it has been decided to discontinue the publication of this ratio.

Hourly values of declination, for August to December, are not given in this volume. They have been published weekly, primarily for the use of mine surveyors, in "The Colliery Guardian" and "The Iron and Coal Trades Review."

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 316 to 333. In calculating diurnal inequalities the non-cyclic change has been eliminated on the assumption that its time-rate is linear. Inequality values are first calculated to 0·01 γ and then rounded off to 0·1 γ. The inequalities of H, D, and I have been computed from those of N, W, and V by means of the formulae:

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

$$\delta H = \delta N \cos D + \delta W \sin D$$

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

in which δD and δI are expressed in minutes of arc, and where H, D, and I for any given month are the respective mean values for that month as published in Table 337. 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 334, and the values of the non-cyclic change of N, W, and V are given in Table 335.

The results of harmonic analysis of the mean diurnal inequalities of N, W, and V for the months, seasons[1] and year are to be found in Tables 338 and 339, in which are given the values of a_n, b_n, c_n, and α_n, in the two equivalent series $\Sigma\,(a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\Sigma\, c_n \sin(15nt^\circ + \alpha_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of α_n refer to Local Mean Time. The values of the harmonic coefficients have been computed from the unrounded values of the inequalities and have been corrected, where necessary, on account of the fact that the hourly values are not instantaneous values but are mean values. The factors by which the coefficients have to be multiplied (*vide* Report of the British Association, 1883, p. 98) are 1·00286 for a_1, b_1, c_1; 1·01152 for a_2, b_2, c_2; 1·02617 for a_3, b_3, c_3; and 1·04720 for a_4, b_4, c_4. Finally, the values were rounded off to 0·1 γ.

The mean values of the squares of the absolute daily ranges are summarized in Table 336.

In Table 337 appear for the months and year the mean values of N, W, V, D, I, H and Total Force, T. The means of the four latter elements are derived from the corresponding mean values of N, W and V, which are the means of hourly values on "all" days in the month or year. Tables 340 and 341 contain mean values of the magnetic elements for 1927 and recent years at a number of observatories.

---

[1] The seasons are defined for this purpose as follows:—*Winter*, January, February, November, December; *Equinox*, March, April, September, October; *Summer*, May, June, July, August.

Review of Results of Magnetic Observations.

Mean and Extreme Values of the Magnetic Elements, 1927.—The mean values[1] are given below in Table I along with the corresponding values for the previous year. The values of N, W, 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 H, D, I, and T have been deduced from the values of N, W, and V.

TABLE I.

Year.	H.	D. (West).	I.	N.	W.	V.	T.
	γ	° ′	° ′	γ	γ	γ	γ
1926	16648	15 35·3	69 40·3	16035	4474	44939	47923
1927	16631	15 22·7	69 40·2	16036	4410	44887	47869

Westerly declination was on the average 12′·6 less in 1927 than in 1926. The rate of decrease is slightly less than in the two immediately preceding years, but slightly greater than the average rate, 12′·4, during the years 1920–1927. Between 1913 and 1920 the average rate of decrease was 9′·3. As compared with the 1926 value horizontal force shows a fall of 17γ, which is the same as the fall from 1925 to 1926 but rather greater than the average annual rate of decrease between 1912 and 1927. Practically no change in the average value of the north component has occurred since 1925, but as in recent years the west component decreased by rather more than 60γ. Inclination apparently remained almost unchanged. The values of vertical and total force obtained for 1927 are rather more than 50γ less than the corresponding values for 1926.

Mean values derived from (*a*) international quiet days and (*b*) international disturbed days are as follow: (*a*) N, 16039 γ; W, 4411 γ; V, 44887 γ; (*b*) N, 16030 γ; W, 4409 γ; V, 44889 γ.

The differences between the mean annual values of N, W, and V, derived from " all," international quiet, and international disturbed days in 1926 and 1927, are given below, together with the mean differences for the years 1915–1925. In every year of the series quoted the mean value of N and of W on quiet days exceeded the mean value on " all " and on disturbed days. The only years in the period 1915-25, for which either the " all " or the disturbed day mean value of V exceeded the quiet day value were 1917, 1919, 1921.

	Quiet day mean-"All" day mean.			Quiet day mean-Disturbed day mean.		
	N	W	V	N	W	V
	γ	γ	γ	γ	γ	γ
1927 ..	+2·9	+1·1	−0·3	+ 9·1	+2·4	−2·7
1926 ..	+4·8	+2·0	−0·7	+16·1	+5·7	−1·4
1915-1925	+2·7	+1·2	+0·7	+ 8·5	+3·3	+1·5

The resultant vector representing the average excess of the mean values on " all " days over the mean values on quiet days, for the years 1915-1925, has a magnitude of 3γ ; its azimuth is 156°, measured from true north through east, and it is inclined at about 77° to the upwardly 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 N, W, and V recorded during 1927 are given in Table II.

[1] See remarks on p. 157.

TABLE II.

Component.	Maximum.			Minimum.			Absolute Annual Range.
	Value.	Date, 1927.		Value.	Date, 1927.		
	γ	d h m		γ	d h m		γ
North	16280	Oct.	12 12 48	15653	Aug.	21 1 17	627
West	4603	May	3 16 51	4083	Aug.	21 1 17	520
Vertical ..	> 45156	Oct.	Between 12 15 32 and 12 18 10	< 44566	Aug.	Between 21 1 15 and 21 1 58	> 590

The actual extreme values of V cannot be determined, the recording spot of light being then beyond the edge of the paper. The true minimum value occurred either in the interval quoted above or between 2h 14m and 4h 28m on July 22. For similar reasons it is possible that the lowest value of N occurred between 2h 20m and 2h 55m on July 22. For each of the three components the absolute range recorded in 1927 is less than in 1926 but greater than in any of the years 1922–5.

Magnetic Character of the Year.—General agreement not having been reached yet as to the most suitable method of obtaining a numerical measure of magnetic activity, the Eskdalemuir practice of tabulating for each day the value of ΣR^{2}[1], *i.e.*, the sum of the squares of the absolute daily ranges of N, W and V, has been continued. The evaluation of the mean daily values of Σr^2, the sum of the squares of the hourly ranges of N, W, and V, has not been carried out since 1925, but the values of hourly ranges have been tabulated and are available for the purposes of investigation. The magnetic character figures which were assigned in accordance with the international scheme are summarized in Table III. These character figures were assigned quite independently of knowledge of the values of ΣR^2. Table III contains also the monthly mean value of the international character figures, which for 1927 are based on the estimates made at 41 observatories, and the mean monthly values of ΣR^2 for " all," " 0 " " 1," " 2," international quiet (Q), and international disturbed (D) days.

The Eskdalemuir and the international mean character figures for the year are slightly less than for 1926, and thus indicate at least an interruption of the increase which had been in progress, concurrently with an increase in sunspot number, since 1923. The mean sunspot numbers for the years 1923-7, are, in order, 5·8, 16·7, 44·3, 63·9, 69·0. The number of days to which the character figure " 0 " was assigned in 1927 at Eskdalemuir is again rather noticeably small in comparison with the number in years before 1926. According to the criterion mentioned in the discussion of the 1926 results it appears that in 1927 as in 1925–6 the standard adopted for a " 0 " day was more severe than in 1922-4. The figure " 2 " was assigned to 39 days in 1927, as compared with 48 in 1926 ; but in retrospect it appears that this figure was assigned rather too liberally in March, 1927. 30 of the 39 Eskdalemuir " 2 " days are included among the international disturbed days ; the mean value of the international figures on the 39 days is 1·55. In 1927 there are 26 days on which the international character figure exceeds 1·4, and on eight of these it is 1·9 or 2·0 : the corresponding numbers in 1926 being 32 and 10. Pairs of consecutive days with an international figure greater than 1·4 occur on seven occasions in 1927, as against 13 occasions in 1926 ; no group of three, or more, such days occurs in 1927 whereas there are three such groups in 1926. The character figures suggest that March and September were the most disturbed, and June and November the least disturbed, months in 1927. In no other November (*i.e.*, since 1906) is the mean international character figure as small as in 1927.

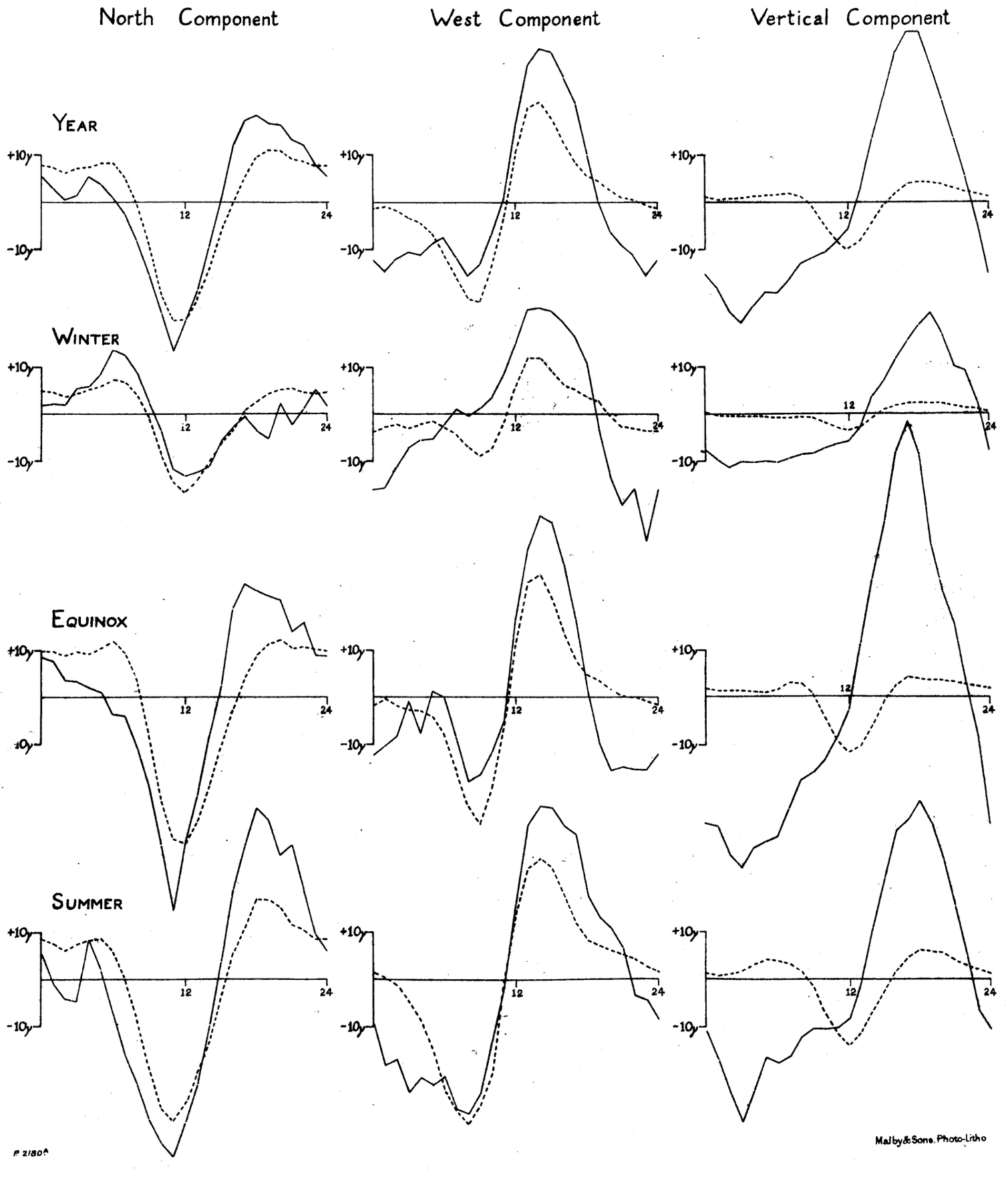
[1] See p. 161.

Plate III.

To face page 164.

Diurnal Variation of Magnetic Force
Eskdalemuir 1927

Quiet Days ..... *Disturbed Days* _____



P 2180A

Malby & Sons, Photo-Litho

Plate IV.

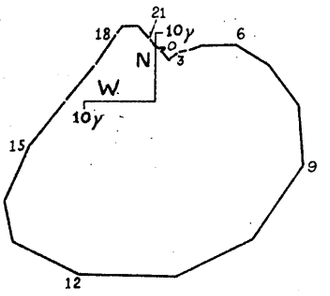
To face page 165

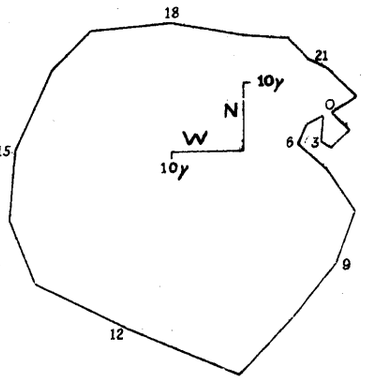
Vector Diagrams illustrating Diurnal Variation of Magnetic Force

Eskdalemuir 1927

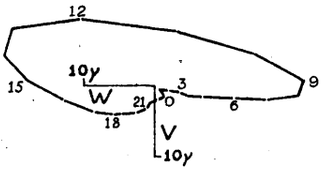
Quiet Days | *Disturbed Days*

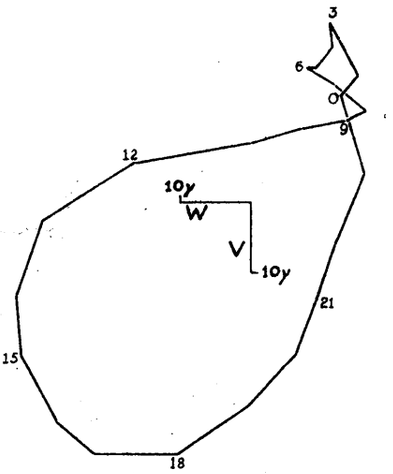
Horizontal Components



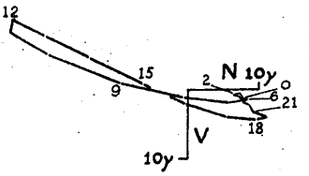


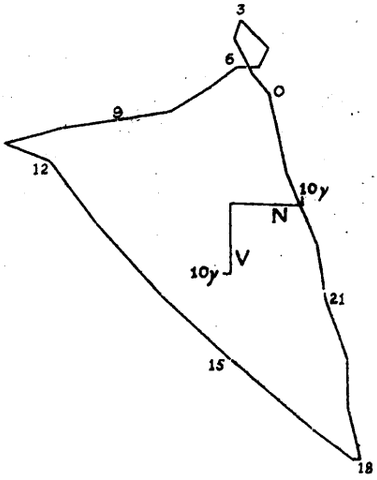
Prime Vertical Components





Meridian Components





P 2180A

Malby & Sons, Photo-Litho

In Table III the annual mean values are the means of the monthly values entered in the corresponding columns. If equal weight be allowed to individual " 2 " days the mean annual value of $\Sigma R^2/100$ on these days is 1278. The mean values of ΣR^2 for all, " 2 " and D days for July, August, October, and the year are less than the true values because in either or both of N and V the limits of registration were exceeded on three days. The mean value of ΣR^2 for all days is considerably less than in 1926 ; it exceeds the value for any of the years 1922-5, but is less than the value for any of the years 1916-19. Forty-five per cent. of the annual total of ΣR^2 is contributed by the 26 days with international character figure greater than 1·4 ; the average value of $\Sigma R^2/100$ on the remaining 339 days being 153. Only in July, August and December is the value of ΣR^2 on all or D days greater than in 1926. The value of ΣR^2 for November is notably small even for a winter month.

TABLE III.

Month.	Magnetic Character Figures. Number of			Mean Character Figure.		Mean Value of $\Sigma R^2/100$.					
	" 0 " days.	" 1 " days.	" 2 " days.	Eskdale-muir.	Inter-national.	" All" days.	Q days.	" 0 " days.	" 1 " days.	" 2 " days.	D days.
1927.						γ^2	γ^2	γ^2	γ^2	γ^2	γ^2
January ..	6	22	3	0 ·90	0 ·62	173	20	20	99	1023	642
February ..	5	19	4	0 ·96	0 ·66	146	28	28	128	382	363
March ..	5	16	10	1 ·16	0 ·80	299	86	95	142	654	900
April ..	10	17	3	0 ·77	0 ·60	278	118	112	216	1188	855
May ..	7	21	3	0 ·87	0 ·65	298	102	115	217	1298	976
June ..	9	20	1	0 ·73	0 ·47	151	78	88	168	382	267
July ..	7	22	2	0 ·84	0 ·56	303	106	105	158	2589	1198
August ..	9	18	4	0 ·84	0 ·61	436	72	87	161	2458	2042
September ..	6	23	1	0 ·83	0 ·77	250	82	79	267	899	593
October ..	7	17	7	1 ·00	0 ·84	565	58	55	174	2026	2422
November ..	16	14	0	0 ·47	0 ·35	57	20	22	98	—	186
December ..	8	22	1	0 ·77	0 ·63	133	15	16	146	784	456
Year, 1927 ..	95	231	39	0 ·85	0 ·63	258	66	68	164	1244	908
Year, 1926 ..	90	227	48	0 ·89	0 ·65	465	63	65	180	2167	2048
Year, 1925 ..	145	191	29	0 ·69	0 ·56	172	48	56	154	767	541
Year, 1924 ..	191	153	22	0 ·54	0 ·55	121	39	43	113	715	424
Year, 1923 ..	235	111	19	0 ·41	0 ·48	115	32	42	129	776	408
Year, 1922 ..	174	145	46	0 ·65	0 ·65	205	47	64	221	720	601

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 316–333, and the corresponding inequality ranges in Table 334. The inequalities of N, W, and V for international quiet and disturbed days are shown graphically in Plates III and IV, the representation in the latter plate being in the form of vector diagrams.

In the majority of months the range of the mean diurnal inequality of N, W and V on " all " days is less than in 1926, but the range of the N inequality for summer and of the W inequality for equinox exceeds the corresponding quantity for 1926. For the international quiet days the range exceeds the 1926 value in from five to seven months—according to the component, but in each case including the four equinoctial months—and the range of the mean diurnal inequality for the year as a whole is slightly greater than in 1926. The values of the range for W and V for equinox are high. Except in either two or three of the months July, August, September, December, the disturbed day inequality ranges are smaller than in 1926. On comparing the inequality ranges, for " all " and quiet days, with those of other years it is seen that the values for 1927 resemble those in 1918 or 1919.

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 1927 values expressed as a percentage of the average values. The units employed are 1γ for force and 1′ for declination. The mean sun-spot number for 1916-26 is 46·7 ; that for 1927 is 69·0. It is only on international quiet days that the 1927 ranges exceed the average values for 1916-26 in all seasons and for all components, the excess being greatest for winter and equinox. The 1927 values for "all" days are above the average for equinox and summer, and, the range in V excepted, for the year.

		"All" days.					International quiet days.					International disturbed days.				
		N.	W.	V.	H.	D.	N.	W.	V.	H.	D.	N.	W.	V.	H.	D.
Year	1916–26 ..	36·6	38·7	21·9	35·6	8·26	32·7	37·0	12·1	32·4	8·00	48·3	53·7	65·6	49·7	11·14
	1927 % ..	107	110	95	109	110	109	114	115	113	114	103	90	94	106	95
Winter,	1916–26 ..	22·1	27·7	15·9	18·3	6·31	19·0	19·4	5·2	15·9	4·42	30·1	49·5	53·8	27·5	10·50
	1927 % ..	104	97	72	106	100	123	107	111	128	110	89	101	61	79	103
Equinox,	1916–26 ..	41·5	44·2	27·2	39·0	9·57	37·8	42·0	13·1	37·2	9·04	56·0	65·3	82·0	55·4	13·76
	1927 % ..	114	115	107	118	112	115	126	124	116	124	124	87	116	131	90
Summer,	1916–26 ..	54·0	55·6	26·5	56·1	11·33	45·6	53·4	19·8	46·7	11·12	78·3	67·9	70·2	85·5	12·80
	1927 % ..	105	106	106	105	105	103	106	102	105	103	94	96	97	90	97

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

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

Month.	Mean Absolute Daily Range.						Mean Daily Range expressed as Percentage of Yearly Mean.					
	1927.			Mean 1916–26.			1927.			Mean 1916–26.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January ..	63	71	32	69	73	39	73	86	70	80	88	81
February ..	64	77	39	69	76	38	74	93	85	80	92	80
March	94	95	71	95	94	57	109	114	154	110	113	119
April	100	97	52	98	88	54	116	117	113	114	106	113
May	105	97	52	102	88	59	122	117	113	119	106	123
June	81	80	34	92	85	46	94	96	74	107	102	96
July	99	84	44	86	82	43	115	101	96	100	99	90
August ..	107	88	63	98	88	55	124	106	137	114	106	115
September ..	108	87	46	100	92	63	126	105	100	116	111	131
October ..	118	109	72	94	93	57	137	131	157	109	112	119
November ..	42	48	16	62	66	34	49	58	35	72	80	71
December ..	55	67	31	60	64	33	64	81	67	70	77	69
Winter ..	56	66	29	65	70	36	65	80	63	76	84	75
Equinox ..	105	97	60	97	92	58	122	117	130	113	111	121
Summer ..	98	87	48	95	86	51	114	105	104	110	104	106
Year	87	83	46	86	83	48	—	—	—	—	—	—

Owing to the limits of photographic registration being exceeded on three disturbed days the absolute daily range values given in the above table for N in July and V in July, August, and October are less than the true values. The values of the mean daily range for the year are from 12 to 15γ less than the corresponding values for 1926. In each of the three components the mean range for each of the months July, August, and December is greater than in 1926. Smaller mean ranges for November have occurred only in or near to sunspot minimum years (1913, 1923). The annual means of the daily range in N and W are practically the same as in 1920, while the annual mean value of the range in V equals that for 1922.

The frequency distribution of absolute daily ranges recorded in 1927 is shown in Table V, which also contains the percentage distribution for the period 1916–1926.

TABLE V.—FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

Range.	Number of Cases 1927.			Percentage Distribution.					
				N.		W.		V.	
γ	N.	W.	V.	1927.	1916–26.	1927.	1916–26.	1927.	1916–26.
0–9	0	0	29	0·0	0·0	0·0	0·0	7·9	6·3
10–19	2	1	61	0·5	1·7	0·3	0·9	16·7	20·2
20–29	13	23	89	3·6	4·9	6·3	4·5	24·4	24·8
30–39	32	28	60	8·8	7·8	7·7	7·5	16·4	14·3
40–49	29	18	40	7·9	9·9	4·9	10·6	11·0	8·1
50–59	44	34	14	12·1	12·2	9·3	12·0	3·8	4·8
60–69	44	59	20	12·1	12·9	16·2	13·1	5·5	4·2
70–79	55	55	6	15·1	10·3	15·1	12·4	1·6	3·1
80–89	30	37	12	8·2	8·1	10·1	8·6	3·3	2·3
90–99	30	31	3	8·2	6·5	8·5	7·5	0·8	2·1
100–109	17	14	6	4·7	5·3	3·8	4·7	1·6	1·1
110–119	14	14	2	3·8	4·0	3·8	3·5	0·5	1·2
120–129	11	9	2	3·0	3·5	2·5	2·7	0·5	0·8
130–139	4	8	0	1·1	2·6	2·2	2·2	0·0	0·8
140–149	5	5	2	1·4	1·7	1·4	2·2	0·5	0·5
150–159	3	4	1	0·8	1·3	1·1	1·2	0·3	0·7
160–169	5	4	3	1·4	1·2	1·1	0·9	0·8	0·5
170–179	9	3	2	2·5	0·8	0·8	1·0	0·5	0·4
180–189	3	3	2	0·8	0·6	0·8	0·7	0·5	0·5
190–199	0	3	0	0·0	0·5	0·8	0·6	0·0	0·3
200+	15	12	11	4·1	4·4	3·3	3·1	3·0	3·1
Days omitted	0	0	0	..	..	..	..	..	..

TABLE VI.—PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR, 1927.

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:—N, 15000 γ; W, 4000 γ; V, 44000 γ.

No.	From	To.	North Component.					West Component.					Vertical Component.				
			Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	Range.
	d h m	d h	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	γ
1*	Jan. 1 8 48	Jan. 2 24	1099	1 22 50	1005	2 14 59	94	476	1 16 20	262	1 22 45	214	925	1 22 44	882	2 3 53	43
2*	Jan. 3 16 42	Jan. 6 19	1140	4 20 14	971	4 21 19	169	472	5 14 3	312	4 20 30	160	939	4 23 21	892	4 20 18	47
3	Jan. 7 8	Jan. 8 6	1103	7 22 12	857	7 20 8	246	494	7 17 8	239	8 0 5	255	1042	7 17 55	785	7 21 3	257
4*	Jan. 24 3 44	Jan. 27 6	1106	24 23 44	991	26 11 11	115	497	26 5 30	371	26 3 14	126	919	26 18 10	855	26 5 39	64
5*	Feb. 9 16 57	Feb. 10 24	1073	9 17 20	944	10 0 12	129	509	9 20 16	343	9 22 43	166	971	9 20 58	826	10 0 2	145
6	Feb. 24 2	Feb. 27 8	1102	26 23 39	965	25 11 41	137	504	24 14 4	319	24 22 44	185	947	24 18 28	849	25 3 50	98
7	Feb. 28 12	Mar. 1 24	1118	1 0 33	983	1 13 41	135	477	1 12 50	348	28 23 25	129	957	28 19 40	852	1 0 50	105
8	Mar. 8 20	Mar. 10 20	1094	9 23 41	929	10 12 36	165	497	9 14 42	343	9 0 19	154	986	9 17 11	810	9 23 50	176
9	Mar. 14 0	Mar. 19 8	1128	17 19 3	913	17 21 48	215	516	16 5 6	298	17 18 51	218	1050	17 18 48	753	18 0 9	297
10	Mar. 20 7	Mar. 21 3	1074	20 23 32	956	20 11 40	118	502	20 14 40	384	20 19 10	118	954	20 15 2	877	20 23 10	77
11	Mar. 26 0	Mar. 29 5	1149	27 19 20	947	28 0 9	202	498	27 14 41	344	27 19 19	154	985	26 18 11	798	28 3 32	187
12	Apr. 7 8	Apr. 8 20	1085	7 21 1	955	8 14 58	130	490	7 15 35	371	8 0 16	119	962	7 18 50	884	7 12 0	78
13*	Apr. 8 23 2	Apr. 10 18	1163	9 15 18	942	9 12 19	221	521	9 15 6	359	9 8 22	162	1011	9 17 21	892	9 10 46	119
14	Apr. 11 3	Apr. 12 24	1147	11 17 2	977	11 10 50	170	479	11 15 13	357	11 23 28	122	1025	11 17 48	852	12 2 43	173
15*	Apr. 13 23 48	Apr. 15 19	1160	14 6 12	879	14 10 19	281	517	14 16 10	252	14 8 47	265	1081	14 14 22	866	14 8 51	215
16	Apr. 23 12	Apr. 25 16	1124	23 22 19	973	24 11 33	151	490	24 14 49	358	24 20 40	132	949	24 16 18 and 24 17 31	834	25 0 48	115
17	May 3 3	May 4 5	1199	3 16 49	992	3 12 16	207	603	3 16 51	318	3 23 50	285	990	3 17 50	884	3 11 26	106
18	May 4 11	May 6 4	1135	5 21 46	875	5 8 18	260	509	5 6 23	290	5 2 30	219	944	5 12 3	755	5 4 43	189
19	May 7 4	May 10 7	1169	9 16 16	951	7 13 25	218	523	7 15 0	358	7 22 50	165	1068	7 15 26	849	9 1 14	219
20	May 19 5	May 21 6	1121	19 16 52	946	20 10 46	175	503	20 14 45	366	19 7 7	137	945	19 17 18	873	21 2 18	72
21*	May 27 4 32	May 29 6	1165	28 17 48	1000	28 10 46	165	485	28 17 48	359	28 7 10	126	945	28 19 50	864	28 12 17	81
22†	June 4 12	June 6 4	1105	5 22 53	997	5 11 10	108	463	5 14 42	345	5 23 37	118	918	5 18 3	837	6 0 50	81
23	June 10 8	June 12 24	1097	11 16 31	968	12 9 27	129	471	11 16 29	370	12 8 51	101	921	11 18 57	866	12 11 26	55
24	June 26 8	June 27 20	1139	26 20 51	1001	27 8 21	138	485	26 13 49	354	26 23 33	131	924	26 17 42	855	27 5 6	69
25	July 1 7	July 2 6	1096	1 16 57	958	1 13 52	138	460	1 15 49	365	1 7 2	95	898	1 21 8	863	1 11 41	35
26*	July 21 21 1	July 23 2	1207	22 15 49	<735	Between 22 2 20 and 22 2 55	>472	520	22 15 0	201	22 5 31	319	1031	22 15 50	<656	Between 22 2 14 and 22 4 28	375
27	July 23 10	July 25 8	1083	24 17 42	921	23 10 56	162	442	23 16 58	353	23 10 32	89	906	23 17 50	866	23 23 0	40
28	Aug. 1 14	Aug. 3 19	1090	1 15 8	994	3 11 48	96	447	2 16 8	366	1 22 41	81	914	1 17 31	831	3 3 46	83
29	Aug. 19 10	Aug. 22 24	1236	21 17 55	653	21 1 17	583	474	20 15 47	83	21 1 17	391	979	21 17 47	566	Between 21 1 15 and 21 1 58	>413
30*	Aug. 29 0 3	Aug. 31 6	1105	29 18 30	911	30 11 5	194	473	29 13 12	344	29 4 49	129	961	30 17 50	830	29 3 32	131
31	Sept. 1 11	Sept. 2 18	1148	1 15 26	967	2 11 26	181	455	1 12 51	357	1 16 51	98	943	1 15 22	858	1 22 58	85
32	Sept. 3 10	Sept. 5 22	1135	4 18 42	960	4 9 59	175	455	4 14 10	314	4 18 37	141	957	4 16 42	841	4 3 1	116
33*	Sept. 6 16 40	Sept. 11 4	1223	10 21 50	960	7 11 36	263	475	10 21 46	299	9 19 0	176	907	9 18 59	798	10 21 59	109
34	Sept. 14 21	Sept. 15 24	1139	14 21 37	968	15 10 23	171	449	15 13 39	336	14 22 0	113	894	15 17 0	840	15 2 3	54
35	Sept. 25 0	Sept. 27 2	1137	25 22 38	957	26 11 20	180	448	26 14 12	322	25 22 49	126	890	26 16 15	805	26 2 50	85
36	Oct. 2 13	Oct. 3 7	1072	3 2 0	1003	2 13 9	69	436	2 13 28	303	2 22 32	133	889	2 18 12	797	3 2 18	92
37	Oct. 5 15	Oct. 6 18	1130	5 20 51	1002	6 10 0	128	435	6 2 59	290	5 20 44	145	896	5 20 46	798	6 3 12	98
38	Oct. 7 2	Oct. 8 16	1066	8 2 5	880	7 23 32	186	453	7 13 22	257	7 22 46	196	922	7 14 34	673	8 1 35	249
39*	Oct. 9 20 33	Oct. 11 2	1110	9 20 36	925	10 9 10	185	452	10 14 57	315	10 8 27	137	924	10 16 9	835	10 22 50	89
40*	Oct. 12 10 24	Oct. 13 22	1280	12 12 48	800	12 10 51	480	553	12 15 40	140	12 10 51	413	>1156	Between 12 15 32 and 12 18 10	714	12 23 51	>442
41*	Oct. 22 6 39	Oct. 24 8	1143	22 6 40	730	22 7 30	413	573	23 6 15	288	22 8 50	285	919	23 10 50	693	23 3 54	226
42*	Nov. 18 4 36	Nov. 19 12	1070	18 7 29	982	18 19 11	88	452	18 14 0	264	18 22 32	188	912	18 17 29	831	19 0 51	81
43*	Dec. 12 19 44	Dec. 14 17	1082	14 5 42	951	13 15 19	131	460	13 13 4	261	13 21 11	199	994	13 16 4	797	14 2 16	197
44*	Dec. 17 5 13	Dec. 19 24	1076	19 3 30	962	18 19 52	114	445	19 6 50	239	18 20 30	206	918	17 14 8	772	19 3 37	146
45*	Dec. 28 14 36	Dec. 29 18	1067	28 20 11	1004	28 22 31	63	431	28 16 39	261	28 20 9	170	931	28 20 3	867	28 15 55	

† No record from 4d 21h to 5d 6h.

The intervals of maximum frequency are the same as in 1926, viz., 70–79γ for N, 60–69γ for W, and 20–29γ for V. In 1923, the year of the last sunspot minimum, the intervals were 40–49γ for N and W, 10–19γ for V.

On 41 days in 1927 the absolute range in either N or W was 160γ or more. The numbers of such days in the years 1915 to 1926 were, in order, 30, 47, 35, 56, 58, 36, 27, 32, 11, 10, 24, 46. The frequency of occurrence in 1927 of ranges in excess of 199γ is about one-half that in 1926. There were seven days on which the range in each of N, W, and V was 200γ or more, as compared with 18 such days in 1926.

Irregular changes in Declination.—In connexion with the supply of declination data to mine surveyors it has been the practice since May, 1928, 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 months August to December, 1927, and the actual frequencies of occurrence of hourly ranges in the last three of the four divisions mentioned are set out below. Owing to defects in the record ranges could not be assigned to the hourly periods between November 30d 14h and December 2d 24h and between December 18d 1h and 18d 10h. A range of 30′ is equivalent to a change of 145γ in the component of horizontal force perpendicular to the magnetic meridian.

Range Interval.	Number of cases per month. August.	September.	October.	November.	December.
5′ to 15′	68	78	97	23	49
15′ to 30′	9	12	25	0	9
> 30′	1	0	11	0	0

Hourly Distribution. August to December, 1927.

Range Interval	Hour ending at (G.M.T.). 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5′ to 15′	13	14	12	15	8	12	7	8	8	6	7	11	8	9	12	10	14	14	16	22	22	21	24	22
15′ to 30′	3	3	5	3	1	0	1	2	2	1	0	0	0	1	2	2	3	2	9	3	3	4	3	2
> 30′	0	1	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1	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 will result 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. In the five months considered ranges in the first interval were nearly twice as frequent, and in the second interval thrice as frequent, between 16h and 4h as between 4h and 16h. Seven of the twelve hours in which the range exceeded 30′ occurred on October 12.

Principal Magnetic Disturbances during 1927.—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, 1927.

January.—A prominent feature of a moderate disturbance which began with a small "sudden commencement " at 1d 8h 48m is the large depression in W between 1d 22h and 24h. This component decreased by 172γ between 22h 22m and 22h 45m

and then in the ensuing 55 minutes increased by 152γ. The associated movements in N and V were much smaller, and were of opposite sign to those in W.

A somewhat inconspicuous "sudden commencement" at 3d 16h 42m marks the beginning of a disturbed period of about 74 hours' duration. The major changes occurred between 18h and 24h on the 4th. Short-period agitation occurred during the daylight hours of the 5th and 6th.

The first indications of the largest disturbance recorded since October, 1926, are at about 8h on the 7th and are followed at 10h 24m by the first sharp movement which, in N and W, resembles an oscillatory "sudden commencement." Activity was greatest between 7d 16h and 8d 3h. N was mainly below the undisturbed value throughout the disturbance, and W during seven hours after 7d 18h. The value of V was above the undisturbed from 7d 11h to 7d 20h and then below until 8d 4h. Aurora with a certain amount of vertical structure was observed at Eskdalemuir at 17h 50m on the 7th; for about half-an-hour after 18h a bright glow was visible towards north and north-east but thereafter the development of mist and cloud prevented further observation, although later in the evening a glow was noted through gaps in the cloud.

After four quiet days a rather small but well-defined "sudden commencement" occurred at 24d 3h 44m and was followed by comparatively small oscillations of short period. Before this disturbance had subsided there occurred at 24d 23h 41m another but larger "sudden commencement," the initial changes being N, +66γ; W, −8γ, +70γ; V, −9γ. The maximum development of this moderate disturbance did not take place until between 25d 20h and 26d 8h.

February.—Moderate disturbance on the 3rd and 4th followed a small "sudden commencement" which occurred at 3d 10h 41m.

Conditions were quiet from 5d 21h to 8d 8h.

Moderate disturbance developed shortly after 8d 9h and continued until the following day. Increased activity followed a "sudden commencement" at 9d 16h 57m. In the ensuing disturbance the range in W exceeded that in N. This is frequently the case during winter months at Eskdalemuir.

Irregular changes of moderate magnitude occurred frequently during the interval 11th to 20th. After three quiet days there followed further periods of disturbance (mainly of an undulatory character) from 24d 2h to 27d 8h and from February 28d 12h to March 1d 24h. An auroral glow was seen at Eskdalemuir between 21h and 21h 30m on February 24.

March.—Disturbance was of frequent occurrence, but was on no occasion of quite the first order of magnitude. The most quiet intervals were on the 2nd, 4th (to 22h) and from 21d 3h to 25d 11h.

The principal disturbance of the month is regarded as beginning shortly before 14d 0h, but the maximum phase was deferred until the 16th–17th. In N and V the evening crest, which is a characteristic of a certain type of disturbance, was an hour or two later on the 17th than on the 16th; while the night trough in V occurred earlier in the first portion than in the second portion of the maximum phase. Although there were no large changes after 18d 2h short-period oscillations continued until 18d 18h.

Further rather large disturbance consisting of two parts separated by a quiet interval from 6h to 12h on the 27th occurred on 26th–28th.

April.—Comparatively slight disturbance on the 1st began with a small "sudden commencement" at March 31d 17h 27m. Conditions were fairly quiet on the 3rd and 6th. After two or three hours of quiet conditions, following moderate disturbance on the 7th and 8th, a rather slow "sudden commencement" occurred at 8d 23h 2m. The principal part of the ensuing disturbance is confined to the interval 9d 12h to 9d 22h and consists chiefly of an enhancement of the value of all three components. Further rather large disturbance occurred during the twenty-four hours beginning

at 11d 3h. The more prominent features are the maxima in N and V between 17h and 18h on the 11th and the minimum in V between 2h and 3h on the 12th.

One of the largest disturbances of the year began at 13d 23h 48m with a clearly defined "sudden commencement" in which the sharp initial changes are N, -7γ, $+78\gamma$; W, -11γ, $+70\gamma$; V, -6γ. Between 5h 20m and 9h on the 14th very rapid short-period oscillations occurred. At times these were of considerable size in N and W; *e.g.*, in a group of such oscillations between 8h 45m and 8h 55m the ranges in N and W were approximately 170γ and 260γ, respectively. The main part of the disturbance may be regarded as ending at about 14d 19h, but N remained considerably below the quiet-day value for several hours afterwards and the curves are not tolerably free from irregularities until 15d 19h. Aurora[1] reaching to an altitude of from 10° to 40° was seen between 11h and 12h G.M.T., April 14, from S.S. "Maloja," 35° 24′ S, 122° 38′ E.

A comparatively long spell of quiet conditions, from the 16th to the 22nd, is centred about 27 days after a shorter similar spell in March.

Moderately large disturbance occurred between 23d 12h and 25d 16h, but the curves show no especially noteworthy features.

May.—Moderate disturbance which began about 3d 3h reached its maximum development between 3d 11h and 3d 20h. The maximum value in N and W occurred in the course of a sharp peak movement between 16h 41m and 17h 0m; at the culmination N and W were respectively 115γ and 129γ greater than the mean of the values at the beginning and end of the sharp movement. The associated changes in V were small.

Moderate disturbance which began about 11h on the 4th became larger on the 5th, the larger changes occurring between 2h and 10h and between 21h and 24h on the latter day. Noticeable depressions in value occurred in W between 4d 22h and 5d 4h, in V between 5d 0h and 5d 9h and in N between 5d 4h and 5d 18h.

Further rather large disturbance occurred between noon and 20h on the 7th and was followed by pulses of disturbance on the 8th and 9th. In certain main features the sequence of magnetic events during the interval May 7–9 is similar to that in the (27 days earlier) interval April 9–11.

A "sudden commencement" at 27d 4h 32m was followed on that day by comparatively slight disturbance, but the degree of unrest was greater on the 28th, and more particularly between 16h and 22h.

June.—This was a comparatively quiet period. The chief disturbances (in none of which did the range in N or W exceed 140γ, or the range in V 70γ) were those of the 5th, 11th–12th, and 26th. The first of these appears to be another member of the series occurring on April 9–11, May 7–8; while the second may represent a recurrence of the moderate disturbance of May 15–16. Only minor irregularities are seen on the curves for the 18th to 25th inclusive.

July.—Rather large irregularities in N occurred between 12h and 18h on the 1st.

A "sudden commencement" occurred at 5d 0h 50m, but the subsequent disturbance was slight.

Moderately large irregularities occurred on the 7th, 17th, 19th and 20th.

The storm of the 21st–22nd, although of comparatively short duration, is one of the largest of the year. It began, apparently, with a well-defined "sudden commencement" at 21d 21h 1m, although a smaller preliminary movement occurred seven minutes earlier. The magnitudes of the initial sharp change beginning at 21h 1m are N, $+113\gamma$; W, $+25\gamma$; V, -9γ. N did not return to the undisturbed value until about three hours after the sharp rise; while V remained about 30γ below the undisturbed value until a few minutes before 2h on the 22nd. Between that time

[1] *Marine Observer*, Vol. V, p. 63.

and 2h 20m a large and rapid decrease in N and in V occurred, and both traces pass off the sheet for an interval. This rapid decrease in N and V marked the beginning of an interval of rapid oscillatory activity which continued until about 16h. From 2h until shortly after 12h the value of V was considerably less than the undisturbed; the same is true for N except at 4h–5h. Each of the components reached its highest value for the disturbance between 15h and 16h on the 22nd. Declination was most westerly at 2h 47m and most easterly at 3h 40m, the range being 1° 11′. Irregularities ceased soon after midnight. The possibility of a connection between this storm and the observed activity of a particular region of the sun is mentioned by A. A. Buss in *Nature*, vol. CXX, p. 227.

In the disturbance which occurred during several hours after 23d 10h the most prominent feature is a "bay" in N between 23d 10h and 12h; N decreasing to about 75γ below the undisturbed value.

Slight to moderate disturbance had been in progress for a few hours before the occurrence of a "sudden commencement" at 26d 21h 3m, and continued throughout the 27th.

The disturbances of July 1, 7, 22 follow respectively the three chief disturbances of June after an interval of 25 or 26 days.

August.—The chief periods of unrest were 1d 14h to 3d 19h, 5d 8h to 5d 24h, 19d 12h to 22d 24h, 29d 0h to 31d 6h. There were a number of fairly quiet days but on no day are the curves of exceptional smoothness.

The disturbance of the 19th, a prominent feature of which is a "bay" in N between 12h and 13h, may be regarded as precursory to the much larger disturbance of the 20th and 21st, for both of which days the mean international character figure is 2·0. A sudden decrease of about 30γ in N and 40γ in W at 20d 6h 36m marks the onset of the larger disturbance. A conspicuous feature is the large depression in the value of all components between 20d 22h and 21d 6h; the absolute minimum value, for the storm, in each component occurring between 1h and 2h on the 21st. Intense short-period pulsatory activity occurred between 7h 40m and 10h on the 21st (*cf.* April 14), and in the course of large and rapid oscillations during this interval both N and W fell to not far short of the minimum value reached between 1h and 2h. Apart from large oscillations in N between 21d 16h and 20h activity was less in the second than in the first 24 hours of the main disturbance.

During otherwise fairly quiet conditions groups of waves occurred between 9h and 10h, 11h and 12h, 13h and 14h on the 27th. In the first group, the largest and most regular, there are at least six or seven waves; the period is approximately three minutes and the double amplitude 15γ in N and W and 5γ in V. Similar but smaller waves occurred between 6h and 10h or 11h on the 25th and 26th.

A "sudden commencement" at 29d 0h 3m (initial changes:—N, +49γ; W, +31γ; V, −5γ) was followed by rather large disturbance which continued for about two days.

September.—Disturbance was of frequent occurrence, the character figure 0 being assigned to only six days, but the highest character figure was assigned to only one day, viz., the 10th. The quietest interval was from the 21st to 24th.

Two prominent peak movements in N occurred on the 1st, between 15h and 15h 40m, and between 16h 40m and 17h 30m. In each of these N rose to a value about 110γ above the undisturbed; the associated changes in W and V were smaller, being negative in W and positive in V.

During the moderate disturbance between 3d 10h and 5d 22h the principal changes occurred between 16h and 23h on the 4th.

In the course of moderate disturbance on the 6th there occurred at 16h 40m what appears to be a "sudden commencement." Disturbance continued, with but little intermission, until the early hours of the 11th. The pulse of disturbance on the 10th is noteworthy chiefly on account of a large oscillation in N between 21h and 23h. At the culmination of this oscillation, at 21h 50m, N was nearly 190γ in excess of the

mean value for the year. The ranges in the interval mentioned were N, 240γ; W, 146γ; V, 95γ.

Apart from a few hours of quiet conditions early on the 27th, there was almost continuous moderate disturbance from the 25th to 30th. S.S. "Maresfield"[1] reports that in the interval September 24 to 29, when between 57° 21'N, 23° 27'W, and 51° 51'N, 55° 18'W, six consecutive auroral displays were observed.

October.—Moderately large disturbance occurred, more particularly in W, between 2d 17h and 3d 4h, and between 5d 19h and 6d 5h. The 24-hour period beginning at 4d 10h is one of the quietest of the month.

Further disturbance developed gradually in the early hours of the 7th and attained considerable size later in the day. Perhaps the chief feature is the lowered value of each component during the night hours of the 7th–8th.

There was moderate to slight disturbance during several hours after a "sudden commencement" at 9d 20h 33m, but larger changes set in rather abruptly at 10d 8h 24m and continued until about midnight. From the point of view of absolute range the disturbance was not large, especially in V, but it is of interest on account of the occurrence of practically continuous short-period pulsatory effects from 8h 24m until between 18h and 19h.

One of the larger disturbances of the year opened with a sharply oscillatory "sudden commencement" at 12d 10h 24 to 25m. Large changes followed immediately, both N and W being considerably less than the undisturbed value for an hour or more after the "sudden commencement." The main part of the storm ended at about 13d 3h, but minor changes continued for some hours and there was a further outburst of activity between 12h and 18h on the 13th. The largest changes in N and W took place on the 12th between 11h and 13h and between 17h and 21h. The highest value of N in 1927 occurred at 12d 12h 48m and was followed by a fall of 347γ in the ensuing 17 minutes. The highest absolute value of V for the year also occurred during this storm, viz., at some time between 15h 32m and 18h 10m on the 12th, the recording spot passing beyond the edge of the paper. The minimum in V, shortly before midnight, is much less prominent. The absolute ranges in this storm were N, 480γ; W, 413γ; V, >442γ; declination, 1° 14'. Aurora[2] is reported to have been witnessed on the 12th, apparently between 12h and 15h G.M.T. from S.S. "Port Auckland," 45° 20'S, 102° 30'E, and from S.S. "Banffshire," 35° 45'S, 150° 46'E.

During otherwise fairly quiet conditions somewhat similar "bay" movements, positive in N and negative in W, occurred between 21h and 23h on the 18th and between 19h and 21h on the 19th and 20th.

Another of the larger disturbances of the year began with great suddenness at 22d 6h 39m. The initial changes beginning at the time stated are N, −11γ, +109γ; W, −53γ, +106γ; V, + 3γ, −9γ. These are followed by a rapid return of N and W to near the undisturbed value and then, almost immediately, short-period fluctuations, some very large, set in and continue until 16h; although after 10h the amplitude of the oscillations of shortest period decreases. In the course of an oscillation N decreased by 402γ between 7h 24m and 7h 30m, its value at the latter time being the lowest for this disturbance. In the same six minutes the range in declination amounted to about 50'. After a comparatively quiet interval, 16h to 24h, further large changes occurred, but without the rapidity which is a feature of the first phase of this storm. From 2h to about 10h on the 23rd N and V were mainly considerably less than, and W greater than, the undisturbed value. The highest value of W and the smallest value of N in this part of the disturbance occurred shortly after 6h, while the minimum in V occurred a few minutes before 4h. No very prominent maximum in V occurred. Later on the 23rd disturbance was less. The absolute ranges in this distrubance are N, 413γ; W, 285γ; V, 226γ; Declination, 1° 12'.

[1] *Marine Observer*, Vol. V., p. 183.

[2] *Marine Observer*, Vol. V., p. 202.

Aurora[1] was seen at about 22d 10h G.M.T. from S.S. "Tahiti," 37° 32'S, 179° 27'W; and at 5h to 6h G.M.T. on the 23rd from S.S. "Benalder," 36° 56'N, 76° 2'W, and from S.S. "City of Chester," 40° 10'N, 70° 0'W.

The interval between the large disturbances of August 20—21 and October 12—13 approximates to two solar rotation periods; apart from moderate activity on September 14 conditions were fairly quiet near the middle of the interval mentioned.

November.—The chief interruption of the quiet conditions which prevailed early in the month was a slight disturbance between 4d 19h and 5d 2h. Very slight disturbance followed a "sudden commencement" at 9d 5h 26m.

A disturbance, following the storm of October 22—23 at an interval of 27 days, began with a small "sudden commencement" at 18d 4h 36m. This movement is preceded by a similar one at 17d 12h 47m. The main part of the disturbance occurred between 18d 11h and 19d 2h; from 18h to 23h W was on the average about 60γ less than the corresponding value on quiet days. The ranges in this disturbance are N, 88γ; W, 188γ; V, 81γ; Declination, 37'.

Other disturbances, sometimes of short duration and never of more than rather moderate size, occurred on the 19th, 20th, 21st, 24th, 26th, 27th, 29th, 30th.

December.—Conditions were less quiet than during November. Moderate disturbance occurred on the 1st, 2nd, 5th, 6th, 8th (18h to 24h) and 9th.

Shortly after noon on the 13th, and thus several hours after a small "sudden commencement" at 12d 19h 43 to 44m, a rather considerable disturbance developed. N was mainly less than the quiet-day value from 13d 14h to 14d 5h, and W from 13d 16h to 14d 5h. In V somewhat prominent peak maxima occurred near 16h and 18h 20m, and principal and secondary minima near 2h 20m and 5h 40m, respectively, on the 14th. The ranges are N, 131γ; W, 199γ; V, 197γ; declination, 41'. This disturbance may be regarded as ending at 14d 17h, but minor irregularities continue until the following day, between 17h and 19h of which rather large changes were recorded.

A small abrupt movement at 17d 5h 13m initiated a disturbed spell which lasted for more than 48 hours. Rather large depressions in W centred near 14h and 19h on the 17th are associated with flat peaks in V and somewhat irregular changes in N. On the second day the disturbance exhibits some of the more usual phenomena, *e.g.*, rather prolonged depression in N and in W and, from a later hour, in V. Faint auroral glow was seen at Eskdalemuir between 18h and 21h on the 18th.

From the 20th until the latter part of the 28th the curves are never more than slightly disturbed.

Disturbance of a moderate order began in a not very abrupt "sudden commencement" at 28d 14h 36m. The principal changes occurred between 19h and 22h on the 28th. Between 19h 49m and 20h 10m N, in a series of oscillations on which were superposed small-period pulsations, increased by 54γ and then in the following hour fell irregularly by about the same amount. Whilst N increased W decreased by 130γ and then, whilst N fell irregularly, W increased by 106γ. V attained a not very prominent maximum at 20h 3m, but did not return to the undisturbed value until some hours later. Aurora was witnessed at Cambridge[2] and Eskdalemuir at about 20h on the 28th. At Eskdalemuir a glow at a low elevation was seen at 19h 30m, or a little later. At 19h 45m diffuse streamers were noticed to north-west. The display reached a maximum in the few minutes around 20h, when streamers, shafts, increased elevation of band or arc, and at times a ruddy glow were observed. The display ceased before 20h 45m.

Slight disturbance on the 31st began with a small "sudden commencement" at 31d 5h 21m.

---

[1] *Marine Observer*, Vol. V, p. 202.

[2] *Nature*, Vol. CXXI., p. 32.

Readings in millibars at exact hours, Greenwich Mean Time.

167. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **January, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	990·7	990·3	990·0	989·3	989·6	989·1	988·7	988·8	988·9	989·4	989·1	988·3	988·0	987·8	987·7	987·7	987·0	987·4	988·1	987·9	988·1	988·2	988·2	988·1	988·7
2	988·1	988·2	988·1	988·0	987·3	986·9	987·1	987·3	986·7	986·8	986·6	985·7	985·3	984·4	983·6	982·6	981·9	981·3	980·9	980·7	979·6	978·3	977·9	976·9	984·4
3	975·7	975·0	974·4	974·6	974·4	973·9	973·9	974·1	974·0	973·9	973·7	973·4	972·7	972·2	971·8	971·3	971·8	972·1	972·5	972·6	973·3	973·5	973·2	973·4	973·5
4	973·5	973·2	973·9	974·4	975·5	976·1	977·3	978·4	979·6	980·8	981·2	981·1	981·1	982·4	983·8	985·4	986·8	987·7	988·5	988·9	989·6	990·2	989·7	989·6	981·7
5	988·8	987·9	987·2	986·4	984·9	983·9	982·9	982·4	982·4	982·4	982·3	982·2	982·1	982·1	982·4	982·5	982·6	982·5	983·0	983·3	982·9	982·9	982·6	982·4	983·7
6	980·5	979·7	978·5	977·3	975·8	974·9	974·2	974·2	973·9	973·6	972·8	972·7	972·3	971·8	971·6	972·2	971·7	971·2	970·8	970·2	970·3	970·6	970·3	970·0	973·6
7	970·0	970·0	969·8	969·6	969·9	970·4	970·3	970·7	971·3	971·6	972·1	972·7	973·8	975·2	976·7	978·5	980·2	981·7	982·5	984·1	985·1	985·5	986·2	987·1	975·7
8	987·4	988·0	988·8	988·8	989·1	989·6	989·8	990·0	989·7	989·9	989·4	988·7	987·1	986·6	986·3	985·6	984·9	985·0	985·7	986·3	986·5	986·2	987·5	989·0	987·7
9	988·9	990·0	989·7	991·1	990·9	991·8	991·4	991·9	992·6	992·2	991·7	991·4	991·9	992·7	993·6	994·0	994·3	993·9	994·3	994·6	994·3	993·5	995·2	994·7	992·4
10	995·8	994·7	994·2	994·0	993·6	993·5	994·6	995·2	995·7	998·6	998·4	998·5	998·5	998·6	998·6	998·9	998·9	998·8	999·1	999·2	999·2	998·7	998·5	997·5	**997·1**
11	997·2	996·2	995·3	993·8	993·1	993·3	992·9	992·4	992·2	991·7	990·9	989·6	988·1	986·2	985·6	984·9	984·6	984·5	984·8	984·7	984·0	984·2	984·3	984·6	989·4
12	984·7	985·0	985·8	986·1	985·6	985·1	985·1	984·1	983·3	982·7	980·8	978·2	975·2	971·8	968·6	965·9	962·4	959·0	956·4	955·0	952·9	950·8	948·7	947·2	972·5
13	946·1	945·6	946·6	947·2	948·4	949·9	948·7	950·4	950·5	952·0	951·7	952·0	951·9	952·2	952·9	953·2	953·8	954·3	954·5	954·7	954·8	954·5	954·3	953·7	**951·3**
14	953·7	954·0	953·8	953·5	953·0	952·9	952·8	952·9	952·9	952·5	952·5	952·1	952·4	952·2	952·4	952·4	952·4	952·2	952·5	952·7	952·7	952·8	952·7	952·3	952·8
15	952·3	952·3	952·5	952·4	952·6	952·6	953·1	953·6	954·5	954·8	955·3	955·7	956·4	957·3	958·0	958·6	959·1	959·8	960·2	960·9	961·4	961·7	962·1	962·1	956·4
16	962·2	962·6	962·6	962·7	962·9	963·0	963·1	963·6	964·0	964·3	964·2	964·1	963·8	963·8	963·9	964·2	964·6	965·0	965·1	965·4	965·6	965·7	965·8	965·9	964·0
17	965·8	966·0	966·3	966·4	966·4	966·5	967·3	967·7	968·4	968·5	968·8	968·8	968·9	969·1	969·5	970·2	970·9	971·5	972·2	973·0	973·7	974·2	975·0	975·9	969·4
18	976·5	977·2	977·9	978·5	978·9	979·3	980·0	980·5	981·2	981·8	982·3	982·4	982·8	983·1	983·5	983·9	984·6	985·2	985·6	986·2	986·6	987·0	987·4	987·7	982·3
19	787·8	987·9	988·1	988·4	988·4	988·6	989·1	989·4	989·7	989·9	989·8	989·8	989·4	989·3	989·1	989·1	988·9	988·7	988·3	988·1	987·8	987·5	987·1	986·3	988·6
20	985·5	985·3	984·5	984·1	983·2	982·6	981·8	981·7	981·2	980·9	980·3	979·1	978·1	977·0	976·5	976·1	975·7	975·0	974·4	973·9	973·4	973·0	972·1	971·4	978·9
21	970·6	970·1	969·7	969·1	968·7	968·8	968·6	968·6	969·2	968·9	968·8	968·4	967·9	967·7	968·2	969·0	969·4	969·4	969·9	970·1	970·4	970·3	970·8	970·7	969·3
22	970·6	970·6	970·3	969·9	969·5	969·2	968·9	969·1	969·4	969·5	969·7	969·7	969·6	969·6	969·8	969·9	970·3	970·5	970·6	970·6	970·8	970·7	971·1	971·2	970·0
23	971·1	971·3	971·3	971·3	971·2	970·8	970·6	970·7	970·7	971·1	971·0	970·9	970·5	970·9	971·4	972·2	972·3	972·7	972·8	973·1	973·4	973·5	973·9	974·6	971·7
24	975·4	976·4	976·7	976·4	976·6	976·2	976·1	975·7	974·9	974·4	973·2	972·3	971·2	970·1	969·5	969·1	968·9	968·6	968·3	968·3	968·5	968·7	968·8	972·6
25	969·3	969·8	970·0	970·3	970·4	970·5	970·7	971·1	971·5	972·1	972·3	972·6	972·5	972·6	973·0	972·9	973·8	975·1	976·6	977·2	978·1	978·6	979·6	980·2	973·1
26	980·2	980·3	980·2	979·5	978·3	977·5	976·9	975·3	974·6	972·4	969·6	966·4	963·3	960·2	958·3	957·3	957·2	958·1	961·2	964·2	966·8	969·2	971·0	972·2	969·8
27	972·0	971·0	970·7	969·5	970·0	969·9	969·2	968·5	968·9	969·3	969·8	970·1	970·1	970·6	971·2	972·3	973·7	974·4	975·5	976·6	976·7	976·3	974·6	974·1	971·8
28	972·3	971·7	972·1	972·4	972·4	971·7	970·3	968·4	966·3	964·5	961·9	959·2	956·8	956·2	956·1	957·1	958·0	958·9	959·9	961·1	961·2	962·3	960·9	961·4	964·1
29	959·9	958·1	955·3	952·2	949·8	947·0	945·2	944·7	945·6	947·6	950·2	951·2	951·5	952·7	954·7	955·3	955·8	956·3	956·4	956·6	957·3	957·6	957·1	956·9	953·2
30	957·1	957·0	955·9	954·9	955·3	954·9	955·1	955·2	955·7	955·9	955·6	954·6	954·2	953·5	953·3	953·0	952·7	952·5	952·5	952·1	953·0	953·0	953·4	953·5	954·4
31	953·9	954·5	955·0	955·0	954·8	954·8	954·6	956·0	956·4	957·3	957·8	958·0	958·0	958·1	958·9	959·5	960·0	961·0	961·5	961·8	962·2	963·2	963·7	964·3	958·1
Mean (Station level)	**974** ·31	974 ·19	974 ·04	973 ·78	973 ·57	973 ·39	973 ·23	973 ·32	973 ·44	973 ·61	973 ·39	972 ·93	972 ·47	**972** ·23	972 ·29	972 ·43	972 ·56	972 ·73	973 ·06	973 ·36	973 ·55	973 ·62	973 ·67	973 ·67	973 ·30
Mean (Sea level)	**1003** ·28	1003 ·15	1002 ·99	1002 ·73	1002 ·51	1002 ·32	1002 ·16	1002 ·26	1002 ·37	1002 ·53	1002 ·25	1001 ·74	1001 ·25	**1000** ·98	1001 ·05	1001 ·23	1001 ·39	1001 ·57	1001 ·93	1002 ·24	1002 ·46	1002 ·55	1002 ·62	1002 ·63	1002 ·19

168. Eskdalemuir : H_b = 237·3 metres. **February, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	964·7	965·3	965·9	966·2	966·8	967·3	968·1	968·8	969·6	970·5	971·1	971·6	971·9	972·5	973·3	973·8	974·7	975·6	976·2	977·0	977·4	978·2	979·1	979·6	971·4
2	980·2	981·1	982·0	983·3	983·9	984·1	984·6	985·9	987·0	987·5	987·9	988·5	988·3	988·5	988·7	988·7	988·8	988·9	989·0	988·4	988·1	987·7	987·0	987·1	986·3
3	986·6	986·2	985·9	985·7	985·7	986·0	986·1	987·0	987·0	987·5	987·9	987·2	987·4	987·1	986·5	986·1	985·7	986·1	985·8	985·7	985·8	985·2	984·7	984·5	986·3
4	984·0	983·9	985·3	986·9	988·5	989·1	990·1	991·4	992·3	993·1	993·3	994·0	994·5	995·0	995·8	996·6	997·2	997·8	998·3	998·6	998·7	999·2	999·5	999·5	993·1
5	999·3	998·9	998·2	998·0	997·5	997·1	996·5	995·8	994·8	993·9	992·7	991·5	990·1	988·3	987·0	986·0	986·7	987·0	987·9	988·2	988·9	989·8	991·3	992·6	992·6
6	994·3	994·9	995·7	996·6	997·7	998·2	999·4	999·8	000·7	001·3	002·0	002·5	002·5	002·4	002·7	003·2	003·7	004·3	004·7	004·8	004·8	004·9	004·7	004·7	001·0
7	004·7	004·5	004·0	003·8	003·6	003·4	002·9	002·6	002·5	002·1	002·1	002·0	001·9	001·6	001·6	001·7	002·2	002·8	003·3	003·7	004·1	004·1	004·3	004·7	003·1
8	004·8	004·6	004·5	004·4	004·4	004·1	004·2	004·5	004·5	004·8	004·9	004·6	004·2	004·0	004·0	004·3	004·5	004·7	005·0	005·4	005·7	005·7	005·7	006·0	004·7
9	005·9	005·8	005·8	005·9	005·6	005·7	005·9	006·2	006·3	006·4	006·4	006·3	006·0	005·5	004·9	004·7	004·7	004·5	004·7	004·7	004·6	004·6	004·5	004·3	**005·5**
10	004·3	004·2	004·1	003·9	004·0	003·9	003·9	004·2	004·3	004·6	004·5	004·6	004·1	003·7	003·0	002·7	003·0	003·0	002·9	003·1	003·0	002·7	002·5	002·5	003·7
11	002·4	002·2	002·1	002·1	001·8	001·7	001·8	002·1	002·3	002·5	002·4	002·1	001·6	001·1	001·1	000·9	001·2	001·4	001·3	001·2	000·9	001·0	000·8	000·7	001·7
12	000·3	999·9	999·6	999·4	999·0	998·8	998·6	998·6	998·5	998·3	997·9	997·4	996·9	996·7	996·3	996·0	995·9	995·8	995·7	995·7	995·3	995·3	995·2	995·3	997·5
13	995·3	995·3	995·3	995·6	995·4	995·2	995·3	995·5	995·8	995·8	995·8	995·5	995·0	995·0	994·7	994·6	994·7	995·0	995·1	994·9	995·0	995·5	995·7	996·2	995·3
14	997·0	997·1	998·0	998·5	999·7	000·5	001·1	001·7	001·9	002·1	002·4	002·6	002·5	002·4	002·3	002·3	002·4	002·8	002·8	002·7	002·9	002·8	002·4	002·8	001·3
15	002·5	002·6	002·2	001·9	002·0	002·1	002·3	002·5	002·6	002·6	002·6	002·7	002·6	002·5	002·5	002·5	002·4	002·4	002·4	002·4	002·5	002·4	002·3	002·0	002·4
16	001·9	001·7	001·3	001·0	001·0	000·8	000·6	000·7	000·9	001·1	001·0	001·0	000·8	000·6	000·3	000·1	000·0	000·0	000·0	999·6	999·7	999·6	999·4	999·2	000·6
17	999·1	998·9	998·5	998·2	997·8	997·3	997·2	997·4	997·4	997·2	997·0	996·5	996·3	996·1	995·7	995·5	995·8	995·6	995·7	995·6	995·5	995·3	995·3	995·3	996·8
18	995·3	995·0	995·0	994·6	994·6	994·7	994·7	995·0	995·2	995·4	995·4	995·5	995·6	995·2	995·0	995·3	995·3	995·4	995·8	996·0	996·1	996·5	996·8	996·9	995·4
19	996·7	996·4	996·0	995·7	995·7	995·6	995·4	995·4	995·0	994·9	994·4	993·9	993·3	992·6	992·0	991·3	990·7	990·4	989·4	988·9	988·1	987·4	986·5	986·1	992·8
20	985·4	984·7	984·1	983·1	982·4	981·9	981·5	981·1	980·5	980·3	980·3	979·6	978·4	977·9	977·4	976·9	976·9	976·5	976·2	975·9	975·6	975·4	974·9	974·4	979·5
21	974·1	973·6	973·2	972·5	971·9	971·6	971·3	971·1	970·6	970·3	969·9	969·7	969·1	968·9	968·6	968·1	968·0	967·7	967·5	966·9	966·4	966·1	965·5	965·1	969·7
22	964·5	963·8	962·8	962·0	961·0	960·7	960·5	960·2	960·0	959·7	959·5	959·3	958·8	958·3	957·7	957·5	957·1	957·0	956·9	956·9	956·7	956·6	956·3	955·9	959·3
23	955·4	954·9	954·4	954·3	954·4	954·7	954·9	955·3	955·3	954·8	954·6	954·9	954·9	955·1	955·4	956·8	957·6	958·4	959·0	959·7	960·3	960·6	961·0	961·4	**956·5**
24	961·7	962·0	962·0	961·6	961·8	962·1	962·6	963·1	963·0	963·0	963·1	963·0	962·8	962·9	963·1	963·2	963·5	964·0	964·5	964·8	965·2	965·5	965·8	966·1	963·3
25	966·3	966·3	966·3	966·1	965·9	965·8	965·7	966·0	966·0	965·4	965·0	965·0	964·2	963·6	963·4	963·2	963·1	963·0	963·3	963·4	963·5	963·7	963·5	963·7	964·7
26	964·0	964·1	964·1	964·1	964·5	964·9	965·2	965·5	966·0	966·2	966·1	965·8	965·5	965·0	964·5	963·4	962·9	962·1	961·1	960·1	959·2	958·4	957·6	957·2	963·4
27	957·0	956·7	956·2	956·0	956·0	956·2	956·5	957·2	957·5	958·0	958·7	959·2	960·0	960·8	961·8	962·5	963·4	964·5	965·5	966·0	966·9	967·3	967·3	967·8	960·6
28	968·2	967·5	966·4	966·0	965·3	965·0	964·8	964·3	963·7	962·6	962·0	961·6	960·6	959·5	958·9	957·8	957·1	956·5	955·7	955·2	954·7	954·3	954·0	954·0	960·9
Mean (Station level)	986 ·28	986 ·15	986 ·03	985 ·98	986 ·00	986 ·02	986 ·13	986 ·39	986 ·47	**986** ·50	986 ·46	986 ·36	986 ·06	985 ·81	985 ·65	**985** ·56	985 ·69	985 ·83	985 ·92	985 ·91	985 ·91	985 ·92	985 ·84	985 ·91	986 ·04
Mean (Sea level)	1015 ·69	1015 ·58	1015 ·48	1015 ·42	1015 ·46	1015 ·47	1015 ·58	1015 ·84	**1015** ·85	1015 ·79	1015 ·65	1015 ·49	1015 ·12	1014 ·85	1014 ·68	**1014** ·62	1014 ·85	1015 ·06	1015 ·18	1015 ·20	1015 ·22	1015 ·27	1015 ·20	1015 ·28	1015 ·33
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

169. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **March, 1927.**

Station Level — Day.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	953·9	953·6	953·5	953·6	953·6	954·2	955·1	955·8	956·8	957·9	958·7	959·3	960·0	960·4	961·0	961·0	962·0	962·8	963·2	963·5	964·1	964·4	965·2	966·0	958·9
2	967·0	967·3	967·4	967·3	968·2	969·0	969·7	970·1	970·4	970·7	970·7	969·1	968·6	967·0	965·2	962·8	961·3	960·3	959·8	959·8	960·2	960·9	961·0	961·6	965·7
3	961·6	962·1	963·0	965·2	967·3	968·7	970·8	972·3	972·8	974·9	976·0	976·9	977·2	976·9	977·0	976·5	977·0	977·0	976·9	976·6	975·5	974·5	973·3	972·3	972·4
4	971·1	969·5	968·1	966·4	965·7	964·4	963·4	962·9	962·7	962·8	962·7	962·4	961·9	961·2	961·0	960·6	960·4	960·4	960·2	960·2	960·0	959·3	958·8	958·5	963·0
5	958·4	957·9	957·2	956·4	956·0	955·4	955·4	955·2	955·2	954·9	954·5	954·2	954·0	953·8	954·0	954·1	954·4	955·0	955·8	956·3	956·9	957·4	958·0	958·6	955·8
6	959·2	959·4	959·2	959·4	960·1	960·3	959·9	960·3	960·0	960·1	960·3	961·1	961·6	961·8	961·2	961·0	961·5	961·9	962·8	962·8	962·7	962·6	962·6	962·4	960·9
7	962·1	961·6	961·0	960·7	960·5	960·2	960·1	960·2	960·4	960·4	960·4	960·2	960·0	959·7	959·8	959·9	959·9	959·9	959·8	959·7	959·7	959·4	959·2	959·0	960·2
8	958·8	958·8	958·5	958·5	958·9	958·9	959·6	960·2	960·6	961·2	962·1	962·7	962·9	963·4	963·5	964·3	964·7	965·4	965·9	966·0	966·3	966·6	967·0	967·3	962·4
9	967·6	967·8	967·8	967·6	967·6	968·0	968·0	968·2	968·5	968·8	968·8	968·7	968·3	968·2	968·3	968·5	968·7	969·0	969·6	969·9	969·9	970·0	970·4	970·7	968·6
10	971·1	971·7	972·0	972·0	972·3	972·9	973·2	973·9	974·3	974·8	975·0	975·2	975·2	975·2	975·4	976·0	976·5	977·3	978·1	978·8	979·4	980·2	980·6	981·4	975·3
11	982·0	982·4	982·7	983·1	983·8	984·1	984·9	985·6	986·1	986·6	987·0	987·8	988·1	988·5	989·1	989·8	990·3	991·1	992·3	992·9	993·3	993·8	994·1	994·2	987·8
12	994·5	994·5	994·4	994·5	994·6	994·9	995·4	996·2	996·6	996·6	996·8	997·0	996·7	996·7	996·8	996·9	996·9	997·4	997·6	997·8	997·9	998·2	998·3	998·2	**996·4**
13	998·0	997·8	997·3	996·9	996·9	997·1	997·0	997·3	997·3	997·3	997·2	996·7	996·1	995·8	995·3	995·0	995·0	995·2	995·0	995·0	995·1	995·0	994·7	994·4	996·3
14	994·3	994·1	993·8	993·7	993·5	993·4	993·4	993·5	993·6	994·0	993·5	993·6	993·4	993·2	993·2	992·9	993·0	993·4	994·0	994·2	994·5	994·8	995·0	995·2	993·8
15	995·2	995·0	994·5	994·3	994·4	994·6	994·7	994·9	994·8	994·2	994·4	993·9	993·7	992·9	992·9	992·8	992·8	993·1	993·5	993·9	994·3	994·8	995·1	995·1	994·2
16	995·0	995·1	995·2	994·9	995·3	995·6	995·8	996·2	996·6	996·5	996·2	995·9	995·3	994·6	994·1	993·7	993·2	993·4	993·4	993·2	992·9	992·7	992·6	992·1	994·6
17	991·6	991·1	990·5	990·1	989·7	989·6	989·7	989·8	989·7	989·7	989·4	989·1	988·7	988·1	987·9	987·8	988·1	988·5	989·0	989·7	989·9	990·1	990·4	990·8	989·6
18	990·9	990·8	991·0	990·9	991·1	991·4	991·7	992·0	992·4	992·5	992·5	992·5	992·8	992·6	992·3	992·3	992·4	992·4	992·5	992·5	992·5	992·5	992·7	992·8	992·0
19	993·0	992·8	992·8	992·5	992·3	992·5	992·9	993·5	993·3	993·6	993·9	994·0	993·8	993·8	993·5	993·5	993·4	993·6	993·7	993·4	993·1	993·1	993·1	992·9	993·3
20	992·6	992·2	991·7	991·5	991·7	991·8	991·9	992·3	992·5	992·5	992·8	992·9	992·2	991·4	991·2	990·9	990·6	990·6	990·6	990·9	991·0	991·0	991·1	990·8	991·7
21	990·3	989·9	989·0	988·8	988·4	988·2	987·7	987·2	986·7	986·4	985·7	984·8	984·0	983·0	981·7	981·1	980·5	980·3	980·1	979·9	979·3	978·8	978·7	978·1	984·4
22	977·1	976·7	976·0	975·5	974·8	974·5	973·9	973·9	973·5	973·2	973·2	973·5	973·6	973·5	974·0	974·1	974·0	974·3	974·2	974·1	973·7	972·9	972·2	971·2	974·2
23	969·4	967·7	966·0	964·4	963·0	962·0	961·6	961·5	961·1	960·8	960·5	959·3	958·1	956·9	955·0	954·0	953·2	953·0	953·0	952·9	952·5	952·2	952·1	952·6	958·8
24	953·4	953·6	953·5	953·5	953·7	954·0	954·2	954·5	954·5	954·5	954·4	954·4	954·7	954·8	955·1	955·3	956·0	956·2	956·8	957·2	957·5	957·5	957·1	956·5	955·0
25	955·8	955·1	953·9	952·3	951·2	950·4	949·1	948·4	946·9	946·3	945·1	944·4	943·9	943·9	943·5	943·4	943·5	943·5	943·7	943·4	943·4	943·5	944·2	944·6	**947·1**
26	945·2	945·3	945·8	946·2	946·9	947·4	948·0	948·7	949·2	949·5	950·0	950·4	951·1	951·4	951·8	952·3	953·0	954·1	954·9	955·4	955·8	956·3	956·9	957·3	950·7
27	957·8	957·9	958·0	958·3	958·9	959·5	960·1	961·0	961·5	961·9	962·6	963·1	963·5	964·0	964·5	965·2	965·9	966·9	967·9	968·9	969·5	970·2	970·7	971·1	963·4
28	971·4	971·9	972·0	972·4	973·0	973·6	974·4	975·1	975·9	976·4	976·5	976·6	976·8	976·9	976·9	976·6	976·7	977·1	977·1	977·2	977·0	976·7	976·4	976·1	975·3
29	975·2	974·9	974·3	973·4	973·1	972·8	972·7	972·4	972·3	972·2	972·3	972·2	972·1	971·9	971·8	971·7	971·5	971·9	971·7	971·7	971·3	970·3	969·6	968·8	972·3
30	967·8	966·8	965·1	963·9	963·0	962·6	963·1	963·8	965·0	965·8	966·7	967·4	968·0	969·0	969·8	970·4	971·8	973·0	974·2	975·7	977·7	977·6	979·1	979·8	969·2
31	980·1	980·7	981·1	981·3	981·2	981·1	981·2	981·2	981·1	980·7	980·2	979·7	979·0	977·9	977·2	976·5	976·2	976·1	976·6	977·2	977·4	978·0	978·5	979·1	979·2
Mean (Station level)	974 ·24	974 ·07	973 ·75	**973 ·53**	973 ·57	973 ·65	973 ·83	974 ·13	974 ·27	974 ·44	974 ·52	974 ·48	974 ·37	974 ·14	974 ·00	973 ·90	974 ·01	974 ·33	974 ·64	974 ·86	974 ·98	975 ·01	975 ·12	975 ·15	974 ·27
Mean (Sea level)	1003 ·15	1002 ·96	1002 ·63	1002 ·43	1002 ·47	1002 ·56	1002 ·73	1002 ·97	1003 ·00	1003 ·07	1003 ·07	1003 ·02	1002 ·86	1002 ·59	1002 ·45	**1002 ·37**	1002 ·47	1002 ·98	1003 ·38	1003 ·66	1003 ·84	1003 ·90	1004 ·02	**1004 ·09**	1003 ·01

170. Eskdalemuir : H_b = 237·3 metres. **April, 1927.**

Station Level	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	979·8	980·4	981·0	981·9	982·7	983·4	984·5	985·3	985·8	986·2	986·4	986·4	986·6	987·0	987·1	987·6	987·9	988·1	988·2	988·8	989·2	989·0	988·8	989·0	985·7
2	989·0	988·8	988·3	988·2	988·2	988·0	987·6	987·3	987·0	986·3	986·0	985·2	984·4	983·7	983·8	983·4	982·9	982·1	982·1	981·8	981·3	980·8	980·5	980·3	985·1
3	980·3	980·3	980·0	980·1	980·4	980·9	981·5	981·7	982·4	982·9	982·9	983·1	983·6	983·9	984·1	984·2	984·5	984·8	985·0	985·2	985·3	985·2	985·2	985·3	982·9
4	984·7	984·5	983·7	983·1	982·7	982·4	981·9	981·1	980·4	979·5	978·6	977·9	976·8	975·6	973·8	972·0	970·2	968·7	967·8	967·7	967·8	968·0	868·4	968·7	976·4
5	968·8	968·9	968·7	968·3	967·7	967·6	967·6	967·6	968·7	968·8	968·9	968·8	968·9	969·9	969·3	969·2	969·7	970·3	970·1	970·8	970·6	970·4	970·0	969·9	969·1
6	969·6	969·5	969·2	968·6	968·8	969·1	969·6	970·1	970·5	970·7	971·2	971·8	972·2	972·4	972·8	973·2	973·7	974·3	974·1	974·3	974·1	973·7	973·4	973·0	971·6
7	972·4	971·8	971·1	970·2	969·6	969·1	968·4	968·1	967·5	967·1	966·7	966·3	965·5	964·6	964·2	963·7	963·8	964·0	964·2	964·6	965·0	965·2	965·5	965·6	966·9
8	965·6	965·7	965·7	966·0	966·2	966·4	966·9	967·4	967·7	968·3	968·6	968·5	968·5	968·5	968·7	968·9	969·2	969·8	970·2	971·1	971·7	972·0	972·3	972·4	968·5
9	972·5	972·5	972·7	972·8	973·0	973·0	973·4	973·4	973·4	973·3	973·5	973·7	973·7	973·5	973·7	973·9	974·2	974·9	975·3	976·1	976·1	976·4	976·7	976·8	974·0
10	977·0	977·1	977·3	977·8	978·5	978·9	979·7	980·4	981·4	982·0	982·8	983·3	983·8	984·2	984·6	985·3	985·9	986·8	987·5	988·1	988·5	988·4	988·2	988·2	982·9
11	988·2	987·5	986·9	985·9	985·4	984·9	984·6	984·3	983·2	982·5	982·6	983·1	984·2	984·5	984·6	985·6	986·5	987·6	988·9	990·0	991·4	992·1	992·7	993·3	986·6
12	993·8	994·0	994·4	994·5	994·9	995·7	996·2	996·4	996·5	996·6	996·5	996·3	995·9	995·6	995·1	994·6	994·5	994·2	994·6	995·2	995·8	995·3	995·3	995·0	**995·2**
13	995·2	995·7	994·9	994·3	994·1	993·8	993·1	992·0	991·9	991·6	990·7	989·3	989·1	988·1	987·3	986·3	985·2	984·3	983·6	982·5	982·2	980·5	979·6	978·6	988·8
14	978·1	977·6	977·7	977·9	978·4	978·8	978·3	978·7	978·6	978·4	977·4	976·7	975·8	974·6	973·5	972·7	972·3	972·5	972·3	972·8	972·5	972·2	972·1	972·3	975·6
15	973·3	974·4	975·2	976·0	977·4	978·5	979·3	980·4	981·3	981·8	982·3	983·0	984·1	984·6	985·0	985·2	986·1	986·5	987·5	988·3	989·2	989·7	990·3	991·3	982·5
16	991·4	991·8	992·5	992·8	993·0	993·5	994·0	994·4	994·7	994·6	994·2	994·2	994·3	994·1	994·2	994·2	994·3	994·5	994·7	994·6	994·6	994·4	994·2	993·8	993·8
17	993·4	993·0	993·0	992·8	992·8	993·0	993·1	993·0	992·7	992·9	992·5	992·2	992·1	991·8	992·0	991·9	991·9	992·0	992·3	992·6	992·9	993·2	993·8	993·9	992·7
18	994·1	994·2	994·2	994·3	994·6	995·0	995·2	995·2	995·2	995·7	995·7	995·7	995·6	995·6	995·3	995·1	994·8	994·3	994·4	994·5	994·5	994·5	994·8	994·8	994·9
19	994·4	994·0	993·6	993·5	993·4	993·7	993·6	993·6	993·5	993·3	993·3	993·3	993·3	993·1	993·1	992·5	992·2	992·0	992·1	992·0	992·3	992·2	991·9	991·8	993·1
20	991·6	991·0	990·1	990·5	990·2	990·2	990·0	989·5	988·9	988·3	988·1	987·7	987·4	986·8	985·8	984·9	985·5	986·2	986·6	985·9	986·0	985·4	985·6	985·7	988·0
21	985·2	985·7	986·1	985·9	985·9	986·8	987·3	987·6	988·2	988·5	988·6	988·1	988·2	987·8	987·3	986·9	986·3	986·2	985·7	985·8	984·9	984·5	984·1	983·2	986·5
22	982·1	980·8	979·8	978·5	979·1	979·5	979·4	978·3	977·5	977·1	976·6	976·1	975·3	974·5	974·1	973·7	972·8	972·5	972·0	971·4	970·5	970·2	970·0	969·6	975·8
23	969·3	969·1	969·4	969·6	970·6	972·0	974·2	976·3	978·4	979·5	979·5	979·9	980·9	981·2	981·4	981·0	980·6	980·2	979·8	979·6	979·0	978·6	978·1	977·6	976·7
24	977·0	976·4	976·4	975·9	975·5	975·3	974·9	974·8	974·8	974·7	974·2	973·5	972·5	971·4	970·2	968·9	968·3	967·4	967·7	967·9	968·0	968·1	968·2	968·1	972·3
25	968·0	967·6	966·9	966·5	966·0	965·3	963·9	962·6	960·9	959·2	958·4	958·4	958·2	959·0	959·8	961·3	962·1	963·0	964·4	965·5	967·3	968·6	969·7	970·5	**963·8**
26	971·4	972·3	973·0	973·6	974·5	975·4	976·0	977·1	977·8	978·5	979·4	979·9	980·2	980·3	980·8	981·1	981·9	982·4	983·0	983·6	984·2	984·6	984·9	984·8	978·9
27	984·9	984·8	984·2	983·5	983·3	983·3	983·0	982·6	982·7	982·9	982·6	983·6	983·3	983·8	984·0	984·3	984·5	984·8	085·2	085·7	086·2	087·1	087·8	088·0	084·3
28	988·2	988·6	988·9	989·1	989·4	989·9	989·9	989·7	989·5	989·2	988·5	988·2	987·5	987·2	986·7	985·8	985·1	984·4	983·7	983·4	983·2	983·3	983·3	983·8	987·0
29	984·2	984·1	984·0	984·1	984·4	984·5	984·6	985·0	985·0	985·6	985·6	986·0	986·2	986·2	986·5	986·4	986·5	987·1	987·6	987·5	988·2	988·9	989·3	989·4	986·0
30	989·3	989·6	989·6	989·6	989·5	989·8	989·6	990·0	990·2	990·3	990·5	990·6	990·5	990·5	990·6	990·7	991·3	991·2	991·6	991·9	992·6	993·0	993·0	993·1	990·7
Mean (Station level)	981 ·76	981 ·72	981 ·62	981 ·53	981 ·67	981 ·92	982 ·04	982 ·13	982 ·21	982 ·21	982 ·09	982 ·01	981 ·95	981 ·80	981 ·65	**981 ·48**	981 ·49	981 ·57	981 ·73	981 ·96	982 ·16	982 ·18	982 ·25	**982 ·26**	981 ·88
Mean (Sea level)	1010 ·92	1010 ·90	1010 ·82	1010 ·73	1010 ·86	1011 ·07	1011 ·10	1011 ·09	1011 ·06	1010 ·96	1010 ·75	1010 ·66	1010 ·62	1010 ·45	1010 ·30	**1010 ·16**	1010 ·21	1010 ·36	1010 ·61	1010 ·92	1011 ·19	1011 ·24	1011 ·37	**1011 ·42**	1010 ·81
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

171. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **May, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	993·2	993·3	993·5	993·6	993·7	993·8	993·8	994·0	994·1	994·1	994·1	993·8	993·6	993·3	992·8	992·5	992·2	992·2	992·3	992·5	992·4	992·1	991·9	991·5	993·1
2	990·7	989·9	989·5	989·0	988·5	987·8	987·0	986·6	985·6	984·9	984·0	983·0	982·0	980·7	979·5	978·6	977·6	977·0	975·8	975·8	976·0	975·7	975·6	975·4	982·7
3	975·5	975·7	975·9	976·2	976·5	976·8	977·3	977·5	977·4	977·8	978·0	977·8	977·5	977·1	976·9	976·9	977·0	977·2	977·7	978·2	978·5	979·1	979·6	980·0	977·3
4	980·1	980·1	980·2	980·2	980·7	981·1	981·3	981·8	982·3	982·3	982·4	982·3	982·3	982·5	982·2	982·9	982·8	983·0	983·2	983·0	983·1	983·8	984·1	984·8	982·1
5	985·0	985·4	985·9	986·3	986·7	987·4	987·8	988·6	989·0	989·2	989·8	990·0	990·9	991·0	991·0	991·0	991·6	992·0	992·4	992·9	993·0	993·4	993·3	993·3	989·7
6	993·7	993·8	993·7	993·6	993·9	994·2	994·5	994·8	995·0	995·2	995·2	995·2	995·0	995·0	994·9	994·8	995·0	995·3	996·0	996·5	996·7	996·8	997·0	997·0	995·0
7	997·2	997·3	997·3	997·3	997·4	997·4	997·8	997·9	997·9	997·8	997·5	997·3	997·1	997·0	996·9	996·8	996·8	997·0	997·5	997·8	999·7	997·7	997·6	997·6	997·4
8	997·4	997·4	997·1	996·8	996·8	996·5	996·2	996·1	995·7	995·4	995·1	994·7	994·4	993·7	993·3	992·9	992·5	992·5	992·5	992·8	993·3	993·4	993·4	993·7	994·8
9	993·9	994·2	994·2	994·2	994·4	994·7	994·9	994·7	994·5	994·3	994·4	994·3	994·5	994·4	994·4	994·5	994·6	994·8	995·4	995·8	996·4	996·9	996·8	997·1	994·9
10	997·4	997·6	997·8	997·9	998·4	998·8	999·3	999·6	000·0	000·4	000·9	001·0	001·0	001·2	001·5	001·7	002·0	002·2	002·9	003·2	003·6	003·8	004·1	004·1	000·7
11	004·1	003·9	004·0	004·0	004·0	004·1	004·3	003·7	003·0	002·7	002·2	001·8	001·1	000·4	999·4	998·6	998·0	997·5	997·2	997·0	996·7	996·0	995·7	995·0	**000·8**
12	994·5	994·2	993·8	993·7	993·4	993·6	993·6	993·7	993·7	993·5	993·5	993·8	994·3	994·5	994·1	994·0	994·1	994·2	994·4	994·9	995·2	995·3	995·5	995·5	994·2
13	995·4	995·7	995·5	995·5	995·4	995·6	995·4	995·3	995·2	995·2	994·9	994·5	994·1	993·6	993·3	992·8	992·1	991·7	991·5	991·2	991·0	990·7	990·2	989·6	993·7
14	989·0	988·4	987·8	986·9	986·1	985·6	985·0	984·6	984·2	983·7	983·0	982·4	982·0	981·7	981·3	980·8	980·1	979·4	979·2	979·1	979·3	979·1	979·5	979·5	983·0
15	979·2	978·7	979·1	979·0	978·8	979·0	979·3	979·7	979·8	979·7	979·5	975·4	979·5	979·6	979·6	979·5	979·8	979·8	980·0	980·0	980·3	980·3	979·8	979·7	979·5
16	979·5	979·0	978·8	978·6	978·2	978·0	977·7	977·5	977·3	976·8	976·3	976·4	976·2	976·2	976·9	977·6	978·5	978·7	979·0	978·9	979·4	980·0	980·5	981·0	978·2
17	981·5	982·2	982·4	983·0	983·6	984·3	984·9	985·7	986·3	986·8	987·3	987·8	988·3	988·5	988·9	989·2	989·6	989·9	990·4	991·2	992·0	992·5	992·9	993·0	987·3
18	993·2	993·4	993·4	993·6	993·6	993·8	994·1	994·2	994·0	993·9	993·8	993·8	993·6	993·5	993·5	993·6	993·4	993·4	993·4	993·6	993·9	994·2	994·0	994·2	993·7
19	994·3	994·4	994·5	994·5	994·6	994·8	995·1	995·2	995·2	995·1	995·0	994·7	994·6	994·6	994·6	994·4	993·9	993·8	993·4	994·1	994·2	993·8	993·3	992·8	994·4
20	992·4	991·9	991·3	990·7	990·1	989·7	988·9	988·2	987·5	987·1	986·2	985·3	984·4	983·6	982·4	981·1	980·0	979·3	979·3	979·2	978·7	978·5	978·2	977·8	985·0
21	977·1	976·7	976·1	975·7	975·1	974·6	974·2	973·8	973·8	973·4	973·1	973·2	973·8	974·2	974·9	975·2	975·8	976·9	977·8	978·8	979·8	980·2	981·0	981·9	**976·0**
22	982·4	982·7	983·2	983·4	984·1	985·1	986·5	988·0	989·1	989·8	991·1	991·4	991·7	991·8	992·1	992·2	992·3	992·7	992·8	993·6	994·1	994·4	994·7	994·8	989·5
23	994·9	994·8	994·5	994·7	994·6	994·5	994·3	994·6	994·7	994·1	994·1	993·9	993·6	993·2	992·6	992·7	992·4	992·7	992·8	992·9	993·1	993·2	993·3	993·6	993·8
24	993·3	993·7	993·3	993·4	993·3	993·1	993·7	993·9	993·9	994·2	994·6	994·7	994·0	994·3	994·4	994·4	994·4	994·5	994·8	994·7	994·5	994·9	995·0	995·1	994·1
25	994·7	994·7	994·5	994·5	994·5	994·7	994·7	994·7	994·8	994·6	994·6	994·3	994·1	993·4	993·0	992·9	992·9	993·1	993·2	993·7	994·2	994·6	994·9	995·0	994·1
26	994·9	994·7	994·1	994·2	994·5	994·6	994·8	994·9	994·5	994·5	994·2	994·2	994·2	994·1	993·9	993·4	993·2	992·8	992·9	993·0	993·2	993·2	993·1	992·9	994·0
27	992·5	992·2	991·9	991·7	992·0	992·1	992·1	992·1	992·0	991·9	991·7	991·3	991·2	991·1	990·8	990·6	990·2	990·5	990·3	990·0	989·9	989·8	989·6	989·2	991·2
28	988·6	988·3	987·8	987·5	987·3	986·9	987·0	986·8	986·2	986·4	986·1	986·1	985·6	985·4	985·2	985·0	984·6	984·4	984·3	984·6	985·0	984·9	984·9	984·6	986·1
29	984·5	984·3	984·2	983·6	983·6	983·5	983·5	983·5	983·3	983·2	983·1	982·9	982·7	982·6	982·5	982·2	981·9	981·8	981·8	981·8	981·7	981·8	981·8	981·8	982·9
30	981·5	981·4	981·3	981·1	981·1	981·3	981·7	982·1	982·0	982·0	981·7	981·5	981·3	981·2	981·3	981·1	980·9	980·7	980·7	980·7	980·9	980·8	980·7	980·6	981·3
31	980·3	979·7	979·6	979·4	979·5	979·5	979·3	979·3	979·2	979·0	979·0	978·8	978·7	978·6	978·7	978·7	978·7	978·8	979·1	979·6	980·2	980·4	980·5	980·3	979·4
Mean (Station level)	989 ·42	989 ·35	989 ·23	989 ·15	989 ·18	989 ·25	989 ·35	**989** ·45	989 ·39	989 ·32	989 ·23	989 ·08	988 ·92	988 ·76	988 ·60	988 ·47	**988** ·35	988 ·38	988 ·52	988 ·74	988 ·97	989 ·07	989 ·11	989 ·11	989 ·03
Mean (Sea level)	**1018** ·56	1018 ·51	1018 ·44	1018 ·40	1018 ·38	1018 ·34	1018 ·28	1018 ·27	1018 ·11	1017 ·95	1017 ·81	1017 ·60	1017 ·38	1017 ·19	1017 ·04	1016 ·92	**1016** ·84	1016 ·93	1017 ·15	1017 ·47	1017 ·81	1017 ·99	1018 ·10	1018 ·15	1017 ·83

172. Eskdalemuir : H_b = 237·3 metres. **June, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·1	979·9	979·4	979·7	979·5	979·3	979·3	979·3	979·2	978·8	978·8	978·9	978·6	978·3	978·2	977·9	977·8	978·1	978·6	978·8	979·2	979·4	979·5	979·5	979·0
2	979·6	979·6	979·9	980·0	980·3	980·8	981·2	981·5	981·7	982·2	982·4	982·7	982·7	982·4	982·5	982·7	983·1	983·4	983·7	984·4	985·0	984·9	985·2	985·5	982·3
3	985·3	985·4	985·6	985·6	985·9	986·2	986·6	986·6	986·5	986·6	986·8	986·7	987·0	986·8	986·5	986·7	986·7	986·7	987·0	987·4	987·7	988·0	988·1	988·1	986·6
4	987·8	987·4	986·5	986·3	986·0	986·1	985·9	985·7	985·3	985·3	984·8	984·4	983·9	983·5	983·4	983·0	983·0	983·1	983·4	983·1	983·4	983·4	983·2	983·0	984·7
5	982·8	982·9	983·0	983·1	982·9	982·9	982·8	982·8	982·2	981·6	981·3	981·1	980·6	980·3	979·7	979·4	979·2	978·8	978·8	979·1	979·4	979·2	979·5	979·5	981·0
6	979·6	979·8	980·4	980·8	981·3	981·8	982·5	983·0	983·1	983·4	983·7	983·9	984·0	983·9	983·9	984·2	984·2	984·1	984·2	984·2	984·4	984·4	984·2	983·9	982·9
7	984·0	983·8	983·6	983·5	983·3	983·4	983·3	983·2	983·2	983·1	983·0	982·7	982·2	981·9	981·6	981·6	981·4	981·5	981·8	981·9	981·9	982·1	982·1	981·9	982·6
8	982·0	982·0	982·0	982·1	982·4	982·9	983·2	983·4	983·5	983·6	983·8	983·7	983·8	984·1	984·7	984·6	984·6	984·9	985·2	985·4	986·0	986·1	986·4	986·7	983·9
9	987·0	987·0	987·3	987·4	987·5	987·8	987·9	988·1	988·2	988·3	988·3	988·0	988·1	988·2	988·3	988·0	988·0	988·2	988·4	987·9	988·3	988·4	988·2	988·5	987·9
10	988·5	988·3	988·0	987·9	987·8	987·8	987·6	987·2	987·0	986·8	986·4	985·9	985·6	985·5	985·3	985·2	985·1	985·0	985·1	985·1	985·6	985·9	985·9	986·1	986·5
11	986·4	986·4	986·7	986·9	987·4	987·8	988·0	988·1	988·2	988·2	988·2	988·0	988·0	987·9	987·6	987·5	987·4	987·6	987·9	988·1	988·2	988·3	988·3	988·1	987·7
12	988·0	987·8	987·8	988·0	988·1	988·2	988·2	988·2	988·1	988·1	988·3	988·0	988·0	988·0	987·7	987·7	987·7	987·7	988·0	988·3	988·5	988·8	988·9	988·8	988·1
13	988·9	988·7	988·6	988·6	988·5	988·6	988·7	988·7	988·6	988·7	988·6	988·5	988·3	988·3	987·9	987·5	987·5	987·8	987·9	988·1	988·5	988·8	988·9	989·2	988·4
14	989·3	989·2	989·3	989·3	989·6	989·9	990·1	990·1	990·4	990·9	991·0	991·1	991·0	990·8	990·8	990·7	990·9	991·5	992·2	992·9	993·0	993·3	993·6	990·8	
15	993·8	994·2	994·3	994·2	994·4	994·6	995·0	995·2	995·3	995·2	994·9	994·7	994·8	994·6	994·1	993·8	993·5	993·4	993·2	992·9	992·8	992·6	992·0	991·1	**994·0**
16	990·3	989·8	988·8	988·1	987·5	986·3	986·2	985·7	985·1	984·5	983·5	982·6	981·9	981·1	980·8	980·2	980·2	979·7	979·3	979·3	979·1	978·9	978·3	977·7	983·4
17	976·7	976·0	975·3	974·5	873·8	974·2	972·8	972·2	971·9	971·8	971·7	971·4	971·6	971·1	971·2	971·4	971·3	971·8	972·2	972·7	973·3	973·5	973·6	973·8	973·0
18	973·7	973·7	973·5	973·5	873·4	973·6	973·7	973·8	973·8	973·6	973·6	973·5	973·5	973·2	972·6	971·9	971·0	971·1	970·3	970·1	969·6	969·3	969·1	969·0	972·4
19	968·8	968·5	968·4	968·6	968·6	968·7	969·0	969·2	969·7	970·2	970·6	971·0	971·0	971·4	972·1	972·6	973·3	973·8	974·3	975·3	976·4	977·4	977·8	978·5	979·4	**972·0**
20	980·2	981·3	981·9	982·5	982·5	983·7	984·5	984·7	985·2	985·3	986·0	986·2	986·7	987·0	987·2	987·3	987·7	987·6	987·4	986·7	986·0	984·9	983·8	982·8	984·9
21	981·8	980·5	979·6	979·5	979·1	978·7	978·4	977·8	977·2	977·1	976·4	975·9	976·5	977·7	978·0	978·0	979·2	981·1	981·5	981·4	983·4	983·9	984·8	985·7	979·7
22	986·6	987·2	987·7	988·2	988·7	989·4	989·5	990·0	989·9	990·0	989·9	989·5	989·2	989·1	988·6	987·1	985·2	983·7	982·6	982·0	981·8	981·9	981·6	981·6	986·8
23	981·6	981·1	980·7	980·6	980·4	980·3	980·1	980·3	980·4	980·2	980·0	980·1	980·4	981·0	981·7	982·3	982·5	982·7	982·5	982·3	982·3	981·7	981·1	980·0	981·1
24	978·8	977·1	975·6	974·4	973·5	973·0	972·9	973·0	973·4	974·0	975·2	976·5	977·6	978·9	980·0	981·0	981·5	982·1	982·8	983·3	983·7	984·1	984·1	984·0	978·3
25	983·9	983·4	983·5	983·0	982·9	982·5	982·0	982·0	981·6	980·8	979·7	978·5	976·8	975·0	972·8	970·9	969·4	968·5	968·1	967·0	966·9	967·1	967·9	968·2	976·3
26	968·5	969·4	970·2	970·9	971·4	972·3	972·8	973·1	973·2	973·3	973·1	973·2	973·1	973·0	973·2	972·9	972·9	973·1	973·4	973·7	973·9	973·7	973·8	973·8	972·5
27	973·5	973·1	973·1	973·2	973·3	973·4	973·9	974·2	974·5	974·3	974·7	974·7	975·2	975·1	975·8	976·0	976·1	976·4	976·5	976·9	977·6	977·6	977·8	975·1	
28	977·7	977·4	978·4	978·0	978·0	977·8	979·0	979·4	979·3	979·5	979·5	979·8	979·9	980·1	979·8	979·7	979·4	979·3	979·5	979·3	979·2	979·1	978·7	978·3	979·0
29	978·0	977·6	977·1	976·6	976·2	976·3	976·1	976·2	976·1	975·7	975·6	976·0	976·1	976·2	976·1	975·9	976·2	976·5	977·0	977·1	977·7	978·1	978·1	978·1	976·7
30	977·9	977·7	978·2	978·3	978·2	978·2	978·3	978·2	978·3	978·3	978·2	978·1	977·8	977·5	977·5	976·9	976·8	976·4	976·8	977·1	977·6	978·0	977·9	977·4	977·7
Mean (Station level)	982 ·04	981 ·87	981 ·81	981 ·78	981 ·75	981 ·88	981 ·98	982 ·03	982 ·00	981 ·98	981 ·93	981 ·84	981 ·81	981 ·75	981 ·67	981 ·52	**981** ·44	981 ·52	981 ·66	981 ·74	982 ·04	**982** ·10	982 ·09	982 ·04	981 ·85
Mean (Sea level)	**1010** ·79	1010 ·65	1010 ·59	1010 ·58	1010 ·49	1010 ·49	1010 ·48	1010 ·43	1010 ·36	1010 ·29	1010 ·19	1010 ·04	1009 ·95	1009 ·86	1009 ·81	1009 ·67	**1009** ·60	1009 ·75	1009 ·96	1010 ·14	1010 ·57	1010 ·70	1010 ·75	1010 ·73	1010 ·29

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

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

PRESSURE.

Readings in millibars at exact hours, Greenwich Mean Time.

173. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **July, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	977·3	977·2	976·8	976·5	976·5	977·3	976·9	977·1	977·3	977·1	977·2	976·8	976·6	976·3	976·4	976·8	976·7	976·9	976·9	977·6	977·4	977·0	977·3	977·7	977·0
2	977·4	977·2	977·0	977·8	977·7	977·6	977·7	977·9	977·9	978·5	978·5	978·6	978·3	977·7	977·6	977·4	977·3	977·2	977·4	977·4	977·9	978·0	977·7	977·6	977·7
3	977·5	977·3	977·0	976·9	976·9	976·9	976·8	977·0	977·2	977·2	977·2	977·3	977·3	977·2	977·0	976·8	976·8	976·2	976·1	976·7	975·7	975·4	975·0	974·5	976·7
4	973·9	973·4	973·8	972·2	971·9	971·4	971·5	971·5	971·5	971·3	971·6	971·7	972·4	973·2	973·6	973·7	974·2	974·5	975·1	975·7	976·1	976·1	976·2	975·8	973·4
5	975·2	974·3	973·6	973·5	973·4	973·7	973·7	974·3	974·1	974·3	973·8	972·7	971·9	971·5	972·6	972·9	973·9	975·1	976·1	976·6	977·2	977·9	978·3	978·9	974·5
6	979·4	979·7	980·0	980·4	980·7	980·8	981·1	981·1	981·2	981·5	981·6	981·7	981·8	982·2	982·3	982·1	981·9	981·9	982·3	982·6	982·7	982·7	982·7	982·8	981·5
7	982·9	982·7	982·0	981·9	982·4	982·7	982·1	982·7	982·6	982·3	982·0	980·3	979·3	978·4	978·1	977·9	977·4	977·6	978·0	979·0	979·8	980·7	981·9	982·6	980·7
8	983·4	984·1	984·4	985·0	985·4	986·1	986·2	986·8	986·6	986·3	986·5	986·5	986·4	986·5	986·3	986·1	985·9	985·8	985·7	985·7	986·0	986·0	985·8	985·2	985·7
9	984·9	984·2	983·9	983·5	983·1	982·9	982·9	982·7	982·4	982·1	982·2	982·6	982·5	982·4	982·2	982·1	982·3	982·5	982·6	983·0	983·2	983·5	983·5	983·6	983·0
10	983·3	983·2	983·1	983·5	983·8	984·3	984·6	984·7	984·9	985·2	985·3	985·4	985·5	985·7	986·0	986·0	986·2	986·3	987·0	987·1	988·4	987·5	988·0	988·2	985·5
11	988·3	988·4	988·6	988·8	989·1	989·3	989·8	989·9	990·2	990·2	990·2	990·1	990·1	989·9	989·7	989·4	989·3	989·5	989·7	990·0	990·8	990·9	990·9	990·8	989·7
12	990·3	990·5	990·3	990·4	990·2	990·2	990·4	990·4	990·1	989·9	989·8	989·5	989·5	989·4	989·4	989·1	989·0	989·1	989·2	989·4	989·8	990·0	990·2	990·3	989·9
13	989·9	989·8	989·7	989·5	989·5	989·5	989·5	989·8	990·1	989·9	989·8	989·8	989·8	989·7	989·6	989·4	989·2	989·4	990·0	990·7	990·9	991·2	991·4	989·9	
14	991·2	990·9	991·0	991·3	991·5	991·8	992·2	992·1	992·4	992·7	992·9	992·9	992·9	992·8	992·9	993·0	993·0	993·2	993·3	994·0	994·5	994·8	994·9	995·1	992·7
15	995·1	995·2	995·2	995·7	995·6	995·7	995·8	996·0	996·1	995·9	995·8	995·8	995·7	995·7	995·6	995·6	995·6	996·1	996·7	997·0	997·6	997·9	998·0	997·9	996·1
16	997·8	997·7	997·6	997·7	997·9	998·0	998·0	998·1	997·6	997·4	997·2	997·0	996·7	996·2	996·2	995·8	995·6	995·5	995·4	995·5	995·8	996·2	996·1	995·9	**996·8**
17	995·4	994·7	994·4	994·1	994·2	994·3	994·3	994·1	994·0	993·5	993·1	993·0	992·5	992·1	991·8	991·6	991·3	991·5	991·8	992·0	992·4	992·4	992·4	992·3	993·1
18	992·3	992·3	992·3	992·4	992·5	992·5	992·7	992·8	992·6	992·9	993·0	993·0	993·1	993·3	993·4	993·5	993·5	993·5	993·9	994·2	995·0	995·7	995·4	995·4	993·3
19	995·4	995·4	995·5	995·5	995·5	995·4	995·4	995·5	995·5	995·5	995·5	995·5	995·4	995·1	994·6	994·1	994·0	993·9	994·0	994·2	994·5	994·7	994·4	994·2	995·0
20	994·0	993·5	993·2	992·5	992·5	992·2	991·9	991·6	991·2	991·1	990·7	990·5	990·1	989·8	989·5	988·9	988·5	988·1	987·6	987·4	987·2	986·9	986·3	985·9	990·2
21	985·4	984·7	983·9	983·4	983·2	982·9	982·5	982·2	981·8	981·1	980·8	980·1	979·9	979·4	978·8	978·2	977·7	977·4	977·0	976·9	976·6	976·3	975·8	975·1	980·3
22	974·9	974·5	974·1	973·9	973·8	973·8	973·9	974·0	974·1	974·0	974·0	974·0	974·0	973·8	973·8	973·6	973·6	973·9	974·3	974·7	974·9	975·2	975·4	975·5	974·2
23	975·6	975·6	975·6	975·7	975·9	976·4	976·6	976·9	977·3	977·6	978·3	978·9	978·7	978·5	979·8	980·3	980·9	981·2	981·4	982·0	982·4	982·5	982·5	982·5	978·7
24	982·4	982·2	982·1	981·9	981·9	982·0	981·9	982·1	982·1	982·2	982·6	982·7	982·5	983·1	983·5	983·9	984·1	984·1	984·5	985·2	985·5	985·9	985·9	985·6	983·3
25	985·4	985·4	985·3	985·0	985·1	985·2	985·1	985·2	984·9	985·2	984·8	984·9	984·7	984·7	984·8	984·9	985·0	985·1	984·9	984·8	985·1	984·8	984·4	984·2	985·0
26	983·8	983·3	982·9	982·6	982·7	982·6	982·6	982·6	982·3	982·0	981·7	981·5	980·9	980·4	980·3	979·9	979·3	978·8	978·9	978·8	978·6	978·4	978·0	977·4	981·0
27	976·9	976·5	976·0	975·3	974·8	974·6	974·5	974·3	974·0	973·3	972·5	972·2	971·8	971·3	971·0	970·4	969·8	969·6	969·5	969·5	969·5	969·4	969·3	969·0	972·5
28	968·6	968·6	968·6	968·6	968·7	968·9	969·2	969·7	970·0	970·1	970·2	970·6	970·6	970·7	971·2	971·6	972·0	972·5	973·1	973·8	974·4	975·0	975·3	975·8	**971·0**
29	975·8	976·0	976·1	976·7	977·1	977·5	977·9	978·2	978·6	978·9	979·2	979·2	979·3	979·5	979·5	979·5	979·5	979·5	979·3	979·6	979·7	979·5	979·4	979·5	978·5
30	979·3	979·3	979·2	979·0	978·7	978·5	978·4	978·1	978·1	977·6	977·2	976·7	976·5	976·2	975·9	975·8	976·3	976·6	977·7	978·4	979·1	979·3	979·3	979·3	977·9
31	979·3	979·3	979·3	979·3	979·6	980·2	981·0	981·4	981·5	981·5	981·6	982·0	982·2	982·4	982·6	982·5	982·5	982·4	983·1	983·2	983·6	983·6	983·6	983·6	981·6
Mean (Station level)	983 ·62	983 ·45	983 ·31	983 ·24	983 ·28	983 ·39	983 ·45	983 ·57	983 ·55	983 ·49	983 ·45	983 ·34	983 ·19	983 ·07	983 ·10	982 ·99	**982 ·98**	983 ·05	983 ·29	983 ·61	983 ·94	**984 ·03**	**984 ·03**	983 ·99	983 ·43
Mean (Sea level)	1011 ·85	1011 ·69	1011 ·55	1011 ·48	1011 ·49	1011 ·53	1011 ·52	1011 ·57	1011 ·47	1011 ·34	1011 ·24	1011 ·09	1010 ·90	1010 ·75	1010 ·79	1010 ·69	**1010 ·69**	1010 ·85	1011 ·17	1011 ·58	1012 ·02	1012 ·17	**1012 ·21**	1012 ·19	1011 ·40

174. Eskdalemuir : H_b = 237·3 metres. **August, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	983·3	983·1	982·8	982·6	982·7	982·8	982·8	983·0	982·8	982·4	982·5	982·8	982·8	982·7	982·6	982·5	982·6	982·8	983·1	983·5	983·9	984·3	984·4	984·5	983·0
2	984·8	985·0	985·0	985·3	985·3	986·0	986·5	986·9	987·3	987·8	988·1	988·6	989·3	989·7	990·1	990·6	990·7	991·3	991·8	992·6	992·9	993·0	993·4	993·6	988·8
3	994·0	994·2	994·4	994·6	994·9	995·2	995·5	996·2	996·7	996·7	997·0	997·0	997·4	997·5	997·5	997·4	997·5	997·8	998·0	998·4	998·6	998·7	998·7	998·6	996·7
4	998·6	998·4	998·4	998·2	998·4	998·5	998·3	998·1	997·8	997·0	996·4	996·2	996·0	995·5	994·8	994·4	993·9	993·2	993·2	993·3	993·5	993·2	992·9	992·6	996·0
5	992·0	991·5	991·0	990·7	990·2	990·0	989·8	989·7	989·4	989·5	988·8	988·1	987·6	987·1	986·5	985·9	985·4	985·2	985·2	985·0	985·1	984·9	984·8	984·4	988·0
6	984·3	983·4	983·1	982·9	982·8	982·5	982·3	982·0	981·8	981·2	980·7	980·2	979·9	979·4	978·9	978·3	977·7	977·5	977·1	977·1	977·0	976·5	976·4	975·8	980·1
7	975·3	974·6	973·9	973·7	973·4	973·1	972·2	972·5	972·2	972·2	972·4	972·7	973·5	973·5	973·8	974·2	974·4	974·6	975·1	975·7	976·3	976·2	976·3	976·4	974·1
8	976·5	976·5	976·5	976·6	977·0	977·6	977·8	977·8	977·8	977·6	977·6	977·4	977·2	976·1	975·3	974·9	974·6	974·1	973·7	973·8	973·7	973·4	973·1	972·7	975·9
9	973·1	973·2	972·9	972·9	973·1	973·2	973·2	973·5	973·4	973·1	972·9	972·5	972·5	972·4	972·6	972·2	972·4	972·4	972·6	972·8	973·1	973·2	973·5	973·8	972·9
10	974·0	974·0	974·0	974·2	974·4	974·4	974·5	974·9	975·2	975·4	975·5	975·4	975·5	975·3	975·6	975·4	975·2	975·0	975·0	975·1	975·2	975·3	975·3	975·3	974·9
11	975·3	975·5	975·7	975·7	976·1	976·4	976·7	977·1	977·5	977·5	977·5	977·6	977·7	977·7	977·7	977·8	978·1	977·9	978·1	978·4	978·8	978·7	978·7	978·7	977·3
12	978·4	978·0	977·6	977·6	977·5	977·5	977·6	977·5	977·5	977·5	977·5	977·5	977·3	977·2	977·0	977·3	977·3	977·7	978·2	978·8	979·5	980·0	980·0	980·0	978·0
13	980·1	980·2	980·2	980·2	980·3	980·8	981·1	981·3	981·4	981·6	981·6	981·5	981·3	981·1	980·8	980·5	980·3	980·2	980·2	980·2	979·8	979·2	978·7	978·1	980·5
14	977·7	977·1	976·5	975·6	975·3	975·0	974·9	974·7	974·4	974·1	973·6	973·2	973·3	973·1	972·8	972·9	972·4	972·6	972·6	972·8	972·7	972·4	972·3	972·1	974·0
15	971·9	971·4	970·9	970·8	970·5	970·5	970·5	970·6	970·6	970·8	971·1	971·6	972·1	972·3	972·3	972·6	972·9	973·3	973·9	974·4	974·8	975·0	975·3	975·6	972·3
16	975·7	975·8	975·9	976·1	976·3	976·5	976·7	977·0	977·2	977·3	977·5	977·5	977·6	977·6	977·6	977·6	977·9	978·1	978·4	978·8	978·9	978·9	979·3	979·6	977·4
17	979·7	979·7	979·7	979·7	979·7	980·1	980·3	980·7	980·7	980·9	981·0	980·9	981·0	981·0	980·9	980·7	980·6	980·7	981·1	981·1	981·0	981·0	980·9	980·8	980·6
18	980·3	980·0	979·6	979·2	979·1	978·9	978·8	978·8	978·7	978·7	978·6	978·2	977·6	977·2	976·9	976·7	976·6	976·6	976·8	977·0	977·0	976·9	976·9	976·8	978·1
19	976·7	976·8	976·8	976·9	977·0	977·3	977·7	978·1	978·3	978·5	978·7	978·9	978·9	979·2	979·4	979·4	979·4	979·9	980·3	981·0	981·2	981·1	981·1	980·9	978·8
20	981·1	980·6	980·2	979·4	979·1	978·0	977·3	976·9	975·7	974·4	973·6	972·4	971·7	970·5	970·0	969·6	969·0	968·5	968·6	968·7	968·7	968·7	968·2	967·9	973·6
21	967·6	967·5	967·4	966·9	966·9	966·9	966·7	966·5	966·3	965·9	965·8	965·1	964·7	964·4	964·2	963·6	963·3	962·8	962·8	962·8	962·8	962·6	962·3	962·1	965·0
22	961·8	961·6	961·2	960·9	960·7	960·7	960·6	960·6	960·6	960·5	960·4	960·5	960·6	961·2	961·8	962·3	963·0	963·8	964·8	965·6	966·5	967·0	967·8	968·4	**962·5**
23	968·7	969·2	969·5	969·8	970·3	971·1	972·0	972·8	973·5	974·5	975·1	975·2	975·7	976·4	977·0	978·0	978·3	978·8	979·5	980·0	980·3	980·7	980·8	981·2	975·1
24	981·2	981·2	981·2	981·2	981·4	981·7	982·0	982·3	982·4	982·1	982·2	982·2	982·2	982·3	982·4	982·5	982·7	983·1	984·3	985·0	985·5	986·0	986·6	987·0	982·8
25	987·3	988·0	988·4	988·9	989·7	990·5	991·2	991·2	991·6	991·8	992·0	992·3	992·3	992·3	992·3	992·3	992·3	992·6	992·9	993·3	993·4	993·1	992·7	992·5	991·3
26	992·0	991·2	991·0	990·2	990·0	989·5	989·7	989·4	988·8	988·6	988·7	988·6	988·4	988·0	987·3	987·0	986·8	986·6	986·3	986·0	985·3	985·1	984·2	983·3	988·2
27	982·7	981·6	981·4	980·7	979·7	979·6	979·0	978·8	978·7	978·8	979·5	979·6	979·6	979·6	979·6	979·7	979·9	979·8	980·2	980·7	980·8	980·8	981·3	981·6	980·2
28	981·5	980·8	981·1	981·0	980·2	980·6	981·0	980·9	981·0	981·7	981·4	981·6	981·8	982·1	982·5	982·8	983·2	983·8	984·3	985·0	985·1	985·1	985·2	985·4	982·4
29	985·2	984·6	984·6	984·6	984·8	985·1	985·5	986·3	987·1	987·5	988·2	988·7	989·5	990·1	990·5	991·3	992·2	993·1	994·0	995·2	995·9	996·6	997·0	997·5	989·5
30	997·9	998·0	998·4	998·5	998·6	999·1	999·5	999·7	999·7	999·8	999·5	999·6	999·3	999·1	998·6	998·3	998·0	998·4	998·4	998·7	998·5	998·5	998·6	998·5	**998·8**
31	998·4	998·1	997·5	997·3	997·5	997·4	997·2	997·3	996·8	996·9	996·5	996·1	995·3	994·6	994·7	994·0	993·8	993·6	993·3	993·1	992·8	992·5	992·0	991·7	995·5
Mean (Station level)	981 ·20	980 ·99	980 ·87	980 ·74	980 ·74	980 ·85	980 ·93	981 ·07	981 ·06	981 ·04	981 ·03	980 ·96	980 ·95	980 ·85	980 ·77	980 ·73	**980 ·72**	980 ·83	981 ·09	981 ·42	981 ·57	981 ·57	**981 ·57**	981 ·53	981 ·04
Mean (Sea level)	1009 ·43	1009 ·24	1009 ·11	1009 ·01	1009 ·01	1009 ·09	1009 ·07	1009 ·11	1008 ·99	1008 ·87	1008 ·81	1008 ·69	1008 ·68	1008 ·55	1008 ·47	**1008 ·45**	1008 ·48	1008 ·65	1009 ·02	1009 ·45	1009 ·68	1009 ·72	**1009 ·75**	1009 ·73	1009 ·04

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

175. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **September, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	991·4	990·9	990·7	990·3	989·8	989·7	989·8	989·9	989·9	989·9	989·6	989·6	989·7	989·7	989·3	989·5	989·7	989·7	990·1	990·4	990·8	991·0	991·5	991·6	990·2
2	991·7	992·0	992·2	992·6	993·1	993·8	994·2	994·5	994·9	995·0	995·0	995·3	995·2	995·3	995·3	995·3	995·4	995·7	996·0	996·5	996·7	996·7	996·7	996·4	994·7
3	996·3	996·0	996·0	996·1	996·1	996·2	996·3	996·3	996·2	996·1	995·9	995·6	995·3	995·0	994·7	994·4	994·4	994·1	994·7	994·9	995·0	994·9	995·0	994·7	**995·5**
4	994·4	994·0	993·7	993·3	993·4	993·4	993·4	993·4	993·0	992·9	992·5	992·3	991·9	991·5	991·1	991·0	990·8	990·8	990·7	991·1	991·1	990·7	990·5	990·4	992·2
5	989·8	989·5	989·0	988·5	988·7	988·6	988·6	988·5	988·4	988·4	988·0	987·4	986·9	986·6	986·4	986·5	986·4	986·1	986·6	986·7	987·1	986·9	986·6	986·8	987·7
6	986·6	986·3	986·0	985·5	985·4	985·3	985·3	985·3	985·2	985·0	984·8	984·6	984·4	983·7	983·5	983·0	982·7	982·8	982·9	983·2	982·9	982·9	982·8	982·9	984·4
7	982·8	982·8	982·6	982·2	982·4	982·8	982·8	983·5	984·5	984·7	985·3	985·9	986·4	986·8	987·1	987·7	988·3	988·7	989·4	989·7	990·0	989·9	989·8	989·2	985·9
8	988·6	987·9	987·5	986·5	985·5	984·9	984·0	983·5	982·7	981·7	981·0	980·1	979·3	978·2	977·4	976·1	975·2	973·1	972·4	970·8	969·6	968·6	969·1	969·3	979·3
9	969·8	969·4	969·2	969·0	968·1	968·9	970·2	972·1	973·5	974·0	975·1	975·3	976·2	976·4	976·9	977·2	977·6	977·9	978·4	978·6	978·6	978·6	978·6	978·1	974·3
10	978·1	977·7	977·1	976·4	975·9	975·5	975·4	975·1	975·0	974·6	974·1	973·8	973·5	973·5	973·4	973·9	974·1	974·6	975·2	976·0	976·5	977·0	977·3	977·6	975·5
11	978·1	978·2	978·5	978·8	979·4	979·9	980·2	980·5	981·5	981·7	982·1	982·4	982·8	983·3	983·6	983·8	983·9	984·5	985·3	986·0	986·5	987·0	987·5	987·7	982·4
12	988·1	988·3	988·2	988·1	988·6	989·1	989·4	989·6	989·6	989·3	989·1	989·0	988·9	988·6	988·2	987·9	987·9	987·8	987·8	987·8	987·6	987·4	987·1	986·9	988·4
13	986·5	986·1	985·7	985·5	985·5	985·5	985·4	985·3	985·0	985·0	984·8	984·7	984·4	984·0	983·9	983·6	983·7	983·7	983·8	983·7	983·8	983·8	983·6	983·5	984·7
14	983·5	983·1	982·8	982·7	982·9	983·0	983·5	983·9	984·2	984·3	984·3	984·3	984·4	984·3	984·3	984·4	984·4	984·7	985·1	985·4	985·8	985·9	985·8	985·6	984·2
15	985·5	985·4	984·9	984·7	984·7	984·9	984·8	985·1	985·1	985·2	984·8	984·6	984·3	983·8	983·2	983·0	982·8	982·4	982·3	982·1	981·8	981·4	981·0	980·2	983·8
16	979·7	978·8	978·6	977·5	976·7	976·3	975·8	975·3	974·4	974·2	973·5	972·5	971·7	971·1	970·2	969·5	968·9	968·2	967·6	968·0	968·3	968·7	968·8	969·0	972·9
17	969·2	969·1	969·3	969·8	970·1	970·5	971·0	971·9	972·3	972·6	972·7	973·1	973·4	973·5	973·7	974·1	974·1	974·2	974·0	973·6	973·1	971·6	970·9	970·3	972·0
18	969·1	969·1	968·6	969·1	969·1	969·3	969·7	969·4	970·0	970·7	971·8	971·9	971·9	972·5	973·0	973·6	974·0	974·4	974·9	975·4	975·4	975·5	974·7	975·0	971·9
19	974·6	974·1	973·3	972·3	971·5	971·0	970·3	970·0	969·5	968·7	968·3	967·9	968·4	967·9	967·9	967·7	967·6	968·0	969·3	969·8	970·3	971·1	971·4	972·0	970·2
20	972·7	973·7	974·4	975·0	975·7	976·4	976·8	977·2	977·9	978·0	978·1	978·2	978·2	978·0	977·4	977·0	976·6	976·0	975·5	975·0	974·6	973·7	972·6	971·7	975·9
21	970·9	970·5	969·7	969·1	969·3	969·5	969·7	969·4	969·8	969·7	969·6	969·5	969·5	969·2	969·3	969·1	968·8	969·2	969·3	969·5	969·6	970·0	969·8	969·6	969·6
22	969·2	968·5	967·8	966·4	965·7	965·1	964·3	963·1	962·4	962·0	961·4	960·8	960·1	959·3	958·7	957·9	957·8	957·3	957·1	956·9	956·4	956·0	955·7	955·6	961·4
23	955·7	956·2	956·9	957·6	957·8	958·3	958·6	959·0	958·7	958·9	958·6	958·6	958·5	958·0	957·7	957·2	957·0	956·6	956·4	956·1	955·5	954·9	954·2	953·9	957·2
24	953·4	953·1	952·6	952·4	952·2	952·1	952·3	952·4	952·4	952·2	952·2	952·2	952·8	952·9	953·0	953·2	954·0	954·4	954·9	955·4	955·6	956·1	956·2	956·3	**953·5**
25	956·7	956·7	956·5	956·5	956·5	956·8	957·2	957·4	957·7	958·2	958·6	959·0	959·1	959·6	960·0	960·2	960·6	961·1	961·5	962·3	962·9	963·3	963·8	964·1	959·3
26	964·3	964·5	964·7	964·8	965·2	965·8	966·3	967·3	968·0	968·7	969·3	969·8	970·4	970·7	971·0	971·5	971·9	972·8	973·8	974·7	975·7	976·8	977·5	978·4	969·9
27	979·3	979·8	980·3	981·5	982·2	983·2	984·2	985·1	985·9	986·7	987·2	987·8	988·1	988·2	988·5	988·9	989·0	989·5	990·2	990·4	990·2	990·6	990·7	990·6	986·3
28	990·2	989·5	988·4	987·8	987·3	986·7	986·5	986·3	986·2	985·3	984·2	983·2	982·3	981·8	980·8	980·0	979·6	979·0	978·9	978·4	977·4	976·3	975·4	974·9	983·1
29	974·2	973·1	972·0	971·4	970·8	970·7	970·4	970·4	970·7	971·2	971·3	971·8	971·6	971·9	972·4	973·2	973·9	974·6	975·0	975·8	976·2	976·6	976·6	976·8	973·0
30	977·0	977·2	977·6	977·7	977·4	977·6	978·6	979·2	979·5	979·9	979·5	979·4	979·1	978·8	978·5	978·1	977·7	977·6	977·3	977·3	977·4	977·4	976·9	976·5	978·1
Mean (Station level)	**978** ·25	978 ·05	977 ·83	977 ·64	**977** ·57	977 ·69	977 ·83	978 ·00	978 ·14	978 ·16	978 ·09	978 ·02	977 ·96	977 ·80	977 ·68	977 ·62	977 ·63	977 ·68	977 ·88	978 ·05	978 ·08	978 ·04	977 ·94	977 ·85	977 ·91
Mean (Sea level)	**1006** ·75	1006 ·54	1006 ·32	1006 ·10	1006 ·03	1006 ·16	1006 ·23	1006 ·32	1006 ·33	1006 ·26	1006 ·12	1006 ·01	1005 ·94	1005 ·78	1005 ·66	**1005** ·62	1005 ·69	1005 ·85	1006 ·16	1006 ·41	1006 ·46	1006 ·45	1006 ·38	1006 ·32	1006 ·17

176. Eskdalemuir : H_b = 237·3 metres. **October, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	976·1	975·8	975·0	974·4	973·7	973·3	972·6	972·4	971·6	970·2	969·4	969·1	968·4	968·6	969·3	970·6	971·5	972·9	974·1	975·0	975·4	975·9	976·4	976·9	972·9
2	976·3	975·4	974·0	972·7	970·8	968·8	966·3	964·0	962·2	960·3	958·6	957·6	958·5	962·6	965·3	969·3	973·0	975·7	977·9	979·9	981·9	982·9	984·0	985·7	970·8
3	987·2	988·8	989·9	990·6	991·2	992·1	993·1	994·7	995·5	995·6	995·9	996·3	996·6	996·6	996·4	996·5	996·8	997·1	997·6	998·0	998·6	998·4	998·4	998·8	994·8
4	998·7	998·9	998·6	998·6	998·6	998·7	999·0	999·4	999·4	999·5	999·4	999·3	999·3	999·2	999·1	999·0	999·1	999·4	999·7	000·2	000·6	000·7	000·8	000·8	999·4
5	001·0	001·0	001·0	001·1	001·2	001·5	001·7	001·9	002·4	002·3	002·1	001·7	001·7	001·9	001·8	001·8	002·0	002·1	002·0	002·0	002·3	002·3	002·3	002·3	001·8
6	002·1	001·9	001·5	001·1	001·0	001·2	001·4	001·3	001·3	001·3	001·1	000·9	000·7	000·6	000·3	000·3	000·1	000·1	000·2	000·5	000·5	000·4	000·1	000·0	000·9
7	000·0	999·4	999·2	999·3	999·7	999·7	999·8	999·8	000·0	000·1	000·2	000·3	000·2	000·0	999·9	000·2	000·7	001·4	001·6	001·8	002·0	002·0	002·1	000·4
8	002·2	002·4	002·3	002·3	002·3	002·7	003·1	003·2	003·5	003·8	003·8	003·7	003·5	003·5	003·4	003·5	003·7	003·9	004·0	004·0	004·1	004·0	004·0	003·3
9	004·1	003·9	003·7	003·7	003·5	003·6	003·7	003·7	003·8	003·8	003·7	003·6	003·3	003·2	003·0	003·0	002·8	003·0	003·1	003·2	003·1	003·0	002·8	002·7	**003·4**
10	002·6	002·2	001·8	001·7	001·5	001·4	001·6	001·7	001·6	001·4	001·3	001·0	000·6	000·3	999·9	999·8	000·1	000·3	000·4	000·6	000·6	000·5	000·4	000·6	001·0
11	000·7	000·7	000·7	000·5	000·3	000·4	000·6	001·0	001·2	001·4	001·4	001·5	001·4	001·4	001·4	001·3	001·4	001·6	001·7	001·8	001·8	002·0	002·1	002·4	001·2
12	002·4	002·4	002·0	002·0	001·8	001·6	001·6	001·7	001·8	001·8	001·5	001·1	000·9	000·7	000·3	000·0	999·9	999·9	999·8	999·7	999·6	999·4	999·2	998·7	000·9
13	998·3	997·8	997·3	996·7	996·1	995·7	995·3	994·7	994·4	993·7	992·9	992·3	991·4	990·9	990·1	989·9	989·8	989·8	990·0	990·0	990·0	990·2	989·9	989·6	993·0
14	989·7	989·4	989·2	989·3	989·3	989·5	989·6	989·8	990·0	990·1	990·4	990·5	990·5	990·8	990·8	990·8	991·0	991·4	992·0	992·5	992·7	992·7	992·7	992·7	990·7
15	992·6	992·5	992·1	992·2	991·8	991·8	991·8	991·7	991·2	991·5	990·9	990·2	989·9	989·5	988·7	988·1	987·7	987·4	987·1	987·1	987·2	986·6	986·4	986·4	989·8
16	986·3	986·1	985·7	985·7	985·6	985·6	985·6	985·9	985·8	985·6	984·8	984·2	983·1	982·2	981·2	980·8	980·1	979·2	978·0	977·5	977·4	977·6	977·2	977·1	982·6
17	976·7	976·5	976·1	975·3	974·9	974·6	974·8	974·7	974·2	973·7	973·7	973·8	974·0	974·8	975·0	975·4	976·3	977·0	977·5	978·0	978·8	979·2	979·8	979·9	976·0
18	979·9	980·2	980·0	980·0	980·0	980·5	980·9	981·2	981·0	980·9	980·6	980·3	980·0	979·7	979·2	979·1	978·8	978·6	978·4	978·1	977·6	977·0	976·5	976·1	979·4
19	975·2	974·2	973·4	972·6	972·0	972·0	972·1	972·6	972·9	973·1	973·6	973·7	974·0	974·9	975·3	975·8	976·6	977·2	978·2	978·9	979·6	979·9	980·2	980·8	975·3
20	981·4	982·4	982·9	983·5	984·2	984·7	985·5	986·4	986·9	987·2	987·6	987·6	987·6	987·6	987·9	988·2	988·6	989·0	989·4	989·8	990·0	990·1	990·1	990·1	986·8
21	990·0	989·9	989·7	989·6	989·3	989·1	989·1	989·2	989·1	988·7	988·6	988·3	987·4	986·7	985·8	985·3	984·9	984·6	984·0	983·1	982·4	981·2	979·8	978·6	986·7
22	977·2	975·8	974·4	973·3	972·3	971·4	970·5	970·0	969·2	968·1	967·0	966·0	965·2	964·7	964·5	964·4	964·9	965·2	965·6	966·2	966·7	967·5	967·9	968·3	968·8
23	968·6	968·9	969·5	970·0	971·0	971·6	972·4	973·3	974·0	974·5	974·9	975·4	975·4	975·9	976·7	976·9	977·5	977·8	978·3	978·7	979·4	979·5	979·4	979·3	974·7
24	979·4	979·4	979·4	979·2	979·2	979·7	980·0	980·3	979·8	980·1	979·6	979·0	978·9	978·1	977·6	977·3	976·7	976·1	975·5	975·1	974·5	973·7	973·1	978·1
25	972·6	971·8	971·0	971·5	970·9	971·1	971·3	971·9	972·1	971·9	971·4	971·7	971·7	971·5	971·6	971·6	971·7	971·7	970·9	970·2	969·0	968·1	968·2	971·2
26	968·5	968·7	969·1	969·4	971·2	971·5	972·1	971·7	972·0	971·8	971·4	970·5	969·9	969·9	969·9	969·8	971·1	971·9	972·6	972·6	972·3	972·0	971·5	970·0	970·9
27	969·0	966·8	963·9	961·6	959·7	960·7	963·7	965·6	967·3	969·2	970·2	970·5	971·2	971·4	971·6	972·1	972·9	973·5	974·0	974·6	975·1	975·8	976·3	976·8	969·6
28	976·9	976·4	976·3	975·6	975·9	976·1	975·9	975·9	975·0	974·5	973·5	971·5	970·0	967·9	966·1	963·7	961·9	959·6	956·5	954·4	951·2	948·7	947·4	950·3	**967·8**
29	953·0	955·7	959·5	962·7	967·0	970·2	974·4	976·6	976·7	980·3	980·5	981·4	981·2	981·8	983·2	983·8	984·1	984·0	983·8	983·5	983·6	983·6	982·1	981·4	975·8
30	980·6	979·6	978·7	978·0	977·5	977·0	976·8	976·6	975·9	975·4	974·8	974·0	973·6	973·1	972·6	972·3	971·9	972·1	971·9	971·9	972·1	972·4	972·6	972·9	974·9
31	973·1	973·5	974·1	975·0	975·4	975·5	976·9	977·8	978·6	978·9	980·0	980·6	981·0	982·0	982·9	984·1	984·9	985·0	986·0	986·7	987·9	988·5	988·8	989·5	980·8
Mean (Station level)	985 ·24	985 ·11	984 ·90	984 ·81	**984** ·80	984 ·93	985 ·25	985 ·48	985 ·51	985 ·50	985 ·35	985 ·09	984 ·88	984 ·92	984 ·88	985 ·00	985 ·25	985 ·45	985 ·58	985 ·70	**985** ·80	985 ·73	985 ·58	985 ·68	985 ·26
Mean (Sea level)	1014 ·05	1013 ·93	1013 ·72	1013 ·63	1013 ·63	1013 ·77	1014 ·11	1014 ·23	1014 ·14	1014 ·00	1013 ·79	1013 ·49	**1013** ·26	1013 ·32	1013 ·28	1013 ·46	1013 ·81	1014 ·09	1014 ·28	1014 ·44	**1014** ·57	1014 ·52	1014 ·40	1014 ·51	1013 ·93

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	33.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

177. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **November, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	989·9	990·0	989·6	989·4	989·3	988·9	988·7	988·5	988·0	987·7	987·0	985·6	984·0	983·0	981·8	981·3	980·6	980·5	980·5	980·6	980·5	980·7	980·9	981·0	985·1
2	981·3	981·5	981·7	982·1	982·3	982·7	982·9	983·7	984·8	985·8	986·2	987·3	987·7	988·3	988·8	988·7	989·1	989·5	989·5	989·2	989·1	988·8	988·4	987·5	986·0
3	986·5	986·1	985·2	984·7	984·5	983·7	983·1	983·2	982·8	983·0	982·9	982·3	982·8	982·5	982·7	983·0	983·1	983·7	984·0	983·9	983·9	983·9	983·7	984·0	983·8
4	984·1	984·0	983·4	983·1	982·9	981·9	981·3	981·5	981·6	981·7	982·5	983·4	984·4	985·2	985·2	986·0	987·0	987·9	988·5	988·7	988·5	988·5	987·7	986·6	984·8
5	985·7	984·7	983·1	981·9	980·4	978·6	976·9	975·3	973·8	972·3	971·0	970·0	969·3	968·5	968·4	967·6	967·1	966·2	965·0	964·3	963·8	963·2	962·6	962·0	972·3
6	961·2	960·2	959·5	958·9	958·8	958·9	959·0	959·4	959·4	959·5	959·5	959·6	959·6	959·8	959·8	959·8	960·0	900·1	960·5	961·0	961·3	961·6	962·1	962·5	**960·1**
7	962·8	962·8	962·9	963·1	963·2	963·4	963·8	964·3	964·8	965·1	965·4	965·6	966·1	966·3	966·8	967·6	968·7	969·6	970·0	970·6	970·9	971·3	971·8	972·5	966·4
8	973·0	973·2	973·7	974·1	974·4	974·8	975·4	976·4	977·1	977·4	977·6	977·7	977·8	978·1	978·4	978·4	979·0	979·7	979·3	979·9	979·8	979·7	979·2	978·7	977·1
9	978·2	977·2	976·4	975·3	974·3	973·8	973·7	973·5	973·4	973·2	972·2	972·0	970·9	969·2	969·7	969·8	969·8	969·8	969·0	968·8	968·6	969·0	968·4	968·5	969·3	972·1
10	970·2	969·9	970·9	970·9	971·9	972·1	972·3	972·8	973·5	974·1	974·3	974·6	974·8	974·9	974·5	975·5	976·3	976·4	977·0	977·1	977·7	977·4	977·4	978·3	974·2
11	978·7	978·7	979·1	979·3	979·5	979·5	980·1	980·5	980·8	980·9	980·9	980·9	981·3	981·3	981·5	981·5	981·7	982·8	982·8	983·3	983·8	984·2	984·7	984·9	981·2
12	985·4	986·5	987·3	987·8	989·4	990·2	991·1	992·2	993·7	994·5	995·3	995·4	996·2	997·0	997·4	997·9	998·3	999·1	999·5	999·6	999·8	999·8	999·8	999·7	994·4
13	999·5	999·1	998·2	997·5	997·3	997·2	997·2	997·1	996·9	996·1	995·6	995·6	995·2	995·2	995·1	995·0	994·6	994·6	994·6	994·5	994·7	994·7	994·6	994·6	996·1
14	994·4	994·3	994·2	993·8	993·6	993·7	993·5	993·8	993·8	993·7	993·1	992·6	991·8	991·3	990·7	989·9	989·5	989·0	988·6	989·0	989·1	989·4	989·6	989·7	991·9
15	989·6	989·6	989·5	989·6	989·6	989·5	989·4	989·5	989·2	989·2	988·9	988·6	987·9	987·1	986·2	985·6	985·7	985·6	985·3	985·2	985·4	985·6	985·8	985·9	987·7
16	986·0	986·1	986·0	985·8	985·8	985·8	986·3	986·7	987·2	987·6	987·6	987·5	987·4	987·2	987·4	987·7	988·2	988·7	988·9	989·0	988·9	989·1	989·2	989·4	987·4
17	989·3	989·1	989·0	988·9	988·8	988·7	988·6	988·6	988·5	988·2	988·0	987·4	986·9	986·1	985·5	984·9	985·0	985·0	984·4	983·8	983·4	983·0	982·5	982·1	986·6
18	981·7	981·4	980·9	980·4	980·4	980·2	980·0	979·9	979·7	979·9	979·8	979·3	979·0	978·8	978·5	978·4	978·4	978·3	978·6	978·9	978·8	979·1	979·3	979·3	979·6
19	979·2	979·1	978·9	979·0	979·1	979·3	979·7	980·2	980·5	980·9	980·9	981·4	981·1	980·9	980·5	980·3	981·1	981·2	980·3	980·2	980·8	979·8	980·5	980·1	980·2
20	980·5	980·0	979·7	979·9	980·0	980·5	980·8	981·2	981·3	981·8	981·3	981·4	981·1	981·5	981·6	981·3	981·7	982·0	982·2	982·0	981·4	981·6	981·7	981·0	981·1
21	980·8	980·6	980·8	980·7	980·7	981·1	981·4	981·7	982·1	982·7	983·4	983·7	983·8	983·8	983·9	984·4	984·8	984·9	985·3	985·1	984·8	984·4	984·0	983·7	983·0
22	983·9	983·7	983·8	983·7	983·4	983·4	983·4	983·4	983·1	983·1	983·0	983·0	982·8	982·9	982·9	983·4	983·3	983·2	983·6	983·6	983·6	983·6	983·5	983·5	983·4
23	983·3	983·2	982·8	982·3	982·0	981·3	981·1	980·8	981·0	979·6	979·2	977·8	977·1	976·3	975·4	974·3	973·2	972·1	971·1	969·9	968·8	967·6	967·0	967·7	976·8
24	968·9	970·5	971·7	973·0	974·2	975·5	976·4	977·5	978·3	979·0	979·7	980·0	980·3	981·0	981·1	981·6	981·7	981·8	982·4	982·3	982·7	983·6	984·8	985·3	978·5
25	986·0	986·9	987·6	988·4	989·1	989·5	990·6	992·2	993·1	994·0	995·0	995·2	995·5	995·8	996·1	996·8	996·9	997·4	997·1	997·8	997·3	997·3	996·7	997·5	993·5
26	997·5	997·5	997·8	997·5	997·1	997·1	997·2	997·2	997·4	997·7	997·3	996·9	996·4	995·9	995·3	995·1	995·0	994·4	994·4	994·4	994·0	993·5	992·9	992·8	996·0
27	991·9	991·0	990·8	990·8	990·8	990·9	990·8	991·4	992·0	992·1	993·0	993·3	993·7	994·2	994·8	995·6	996·3	997·0	997·3	997·5	997·5	997·9	997·5	997·4	993·9
28	997·5	997·2	996·8	996·1	995·3	994·7	994·0	993·4	992·5	991·7	990·6	989·2	987·5	987·5	986·2	985·9	986·0	985·9	986·5	986·7	987·5	988·3	988·9	989·4	990·8
29	990·1	991·3	991·5	992·3	993·5	994·4	995·3	996·0	996·9	998·1	998·6	999·4	999·4	999·9	000·7	002·1	002·9	003·6	003·9	004·4	005·1	005·4	005·6	005·8	998·7
30	005·4	005·4	005·4	005·0	005·0	004·8	004·7	004·5	004·5	004·3	003·4	002·9	002·0	001·6	001·1	001·0	000·6	000·3	000·0	999·8	999·5	999·1	998·5	998·2	**002·5**
Mean (Station level)	984 ·08	984 ·03	983 ·94	**983 ·84**	983 ·89	983 ·87	983 ·96	984 ·21	984 ·39	**984 ·50**	984 ·46	984 ·33	984 ·13	984 ·04	983 ·93	984 ·01	984 ·19	984 ·34	984 ·34	984 ·37	984 ·38	984 ·35	984 ·34	984 ·35	984 ·17
Mean (Sea level)	1013 ·23	1013 ·19	1013 ·10	1012 ·99	1013 ·02	1012 ·99	1013 ·09	1013 ·31	1013 ·45	1013 ·49	1013 ·39	1013 ·23	1013 ·01	1012 ·92	**1012 ·86**	1013 ·00	1013 ·23	1013 ·41	1013 ·43	1013 ·47	1013 ·49	1013 ·48	1013 ·49	**1013 ·52**	1013 ·23

178. Eskdalemuir : H_b = 237·3 metres. **December, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	997·8	997·8	997·6	997·5	997·1	997·1	997·2	997·4	997·5	997·6	997·3	997·0	996·6	996·3	996·2	996·3	996·2	996·2	996·4	996·3	996·4	996·4	996·3	996·0	996·9
2	995·7	995·8	995·6	995·8	995·8	995·8	995·8	995·7	996·0	996·3	996·1	995·8	995·5	995·2	994·9	995·2	995·5	995·4	995·6	995·5	995·1	995·1	994·6	994·1	995·5
3	993·4	993·1	992·5	992·0	991·4	990·6	990·1	989·7	989·6	989·3	988·5	987·6	986·5	985·7	985·2	984·7	984·4	984·1	983·8	983·8	983·8	983·5	983·7	983·7	987·7
4	983·4	983·3	983·3	983·0	983·0	983·0	982·9	983·1	983·2	983·3	983·1	982·7	982·4	982·2	981·7	981·7	981·7	981·6	981·3	981·1	981·1	980·9	980·4	979·9	982·3
5	979·3	978·9	978·4	977·7	977·1	976·3	975·9	975·0	975·0	974·0	973·0	971·9	970·8	969·4	969·4	968·9	968·5	967·9	967·3	967·1	966·5	966·4	966·0	965·6	972·2
6	965·2	965·2	965·3	965·2	965·3	965·6	966·4	967·0	967·9	969·0	969·3	969·6	970·3	970·8	971·5	972·4	973·3	974·5	975·4	976·3	976·9	976·8	978·5	978·9	970·5
7	979·3	979·7	980·2	980·6	980·9	981·0	981·6	982·2	982·6	982·7	982·8	983·1	983·1	983·4	983·8	984·3	984·5	985·0	985·2	985·5	985·5	985·7	985·4	985·3	982·9
8	985·2	985·2	984·9	984·6	984·4	984·2	984·1	983·8	983·6	983·6	983·5	983·1	982·8	982·2	981·9	982·0	982·1	981·9	981·7	981·4	981·1	980·8	980·7	980·6	983·0
9	980·4	980·3	980·3	980·3	980·2	980·4	980·4	980·8	981·2	981·7	981·8	981·7	981·8	982·1	982·0	982·6	982·6	982·7	983·4	983·7	984·1	984·5	984·7	985·1	981·9
10	985·5	985·9	985·9	986·4	986·7	987·1	987·1	987·6	988·0	988·7	988·7	988·7	988·5	988·8	989·1	989·6	989·8	990·0	990·5	990·8	990·8	991·1	991·1	991·2	988·5
11	990·9	990·9	990·9	990·7	990·6	990·5	990·1	990·0	990·1	990·3	990·2	990·0	989·6	989·2	989·2	988·9	988·7	988·5	988·2	988·1	987·9	987·5	987·7	987·6	989·5
12	987·2	986·9	986·8	986·5	986·3	986·0	985·8	986·2	986·4	986·6	986·6	986·3	985·9	985·9	985·9	986·3	986·4	986·2	986·0	986·0	985·7	985·7	985·7	985·4	986·2
13	984·7	984·4	984·2	983·9	983·3	982·7	982·3	982·1	982·1	981·7	981·1	980·6	980·3	979·7	979·6	979·5	979·3	979·2	978·8	978·4	978·1	977·9	977·8	977·6	981·0
14	977·5	977·2	977·0	976·6	976·5	976·0	975·9	976·1	976·3	976·3	976·2	976·0	975·8	975·8	975·6	975·6	975·8	976·1	976·3	976·5	976·7	977·4	978·0	978·3	976·5
15	978·8	979·5	980·1	980·6	981·6	982·8	984·1	985·3	987·0	988·1	989·3	990·0	990·6	991·2	992·0	992·9	993·7	994·7	995·0	995·7	996·3	996·9	997·5	997·9	988·8
16	998·2	998·5	999·1	999·4	999·5	999·8	000·3	000·9	001·5	001·7	001·7	001·9	002·1	002·5	002·7	003·0	003·0	003·2	003·4	003·9	004·4	004·3	004·5	004·6	001·7
17	004·4	004·5	004·7	004·5	004·5	004·5	004·6	004·9	005·2	005·4	005·1	004·9	004·8	004·8	004·6	004·6	004·4	004·3	004·4	004·6	004·6	005·0	005·1	005·1	004·7
18	005·1	005·1	004·8	004·9	004·9	004·6	004·5	004·9	005·2	005·2	005·3	004·8	004·4	004·2	004·3	004·3	004·0	003·8	003·5	003·6	003·1	002·9	002·7	002·0	004·3
19	001·6	001·0	000·4	999·9	999·4	999·0	998·7	998·6	998·7	998·8	998·1	997·2	996·3	995·6	995·3	994·7	994·2	993·7	993·4	993·2	993·1	992·9	992·5	992·1	996·8
20	991·5	991·0	990·7	990·2	989·5	989·2	989·0	988·6	988·5	987·9	987·5	987·0	986·2	985·3	984·7	984·3	983·7	983·3	982·5	982·1	981·3	980·3	979·6	978·7	986·2
21	977·7	976·9	976·2	975·4	974·1	973·1	972·9	972·7	971·9	971·1	970·1	969·2	968·6	968·2	967·6	966·9	966·7	966·5	966·1	965·7	965·4	964·4	963·7	962·3	970·1
22	961·7	960·4	958·6	956·8	954·5	952·2	950·7	948·6	947·4	946·2	945·0	944·1	943·2	942·8	942·8	942·9	942·7	942·4	942·7	942·5	942·7	943·1	943·4	943·7	**947·9**
23	944·0	944·6	945·4	946·1	946·9	948·1	949·2	950·1	951·0	952·4	953·5	954·2	954·7	955·9	957·1	958·3	958·7	959·4	960·2	961·1	961·3	962·1	962·5	963·0	953·7
24	963·5	963·7	964·2	964·3	964·5	964·6	965·0	965·6	966·4	967·0	967·2	967·3	967·3	967·6	967·8	967·9	968·2	968·6	968·8	969·6	969·7	970·1	969·8	970·0	966·9
25	969·9	970·1	970·2	969·9	969·9	969·8	970·1	970·6	970·7	971·3	971·7	971·7	972·1	972·4	972·6	973·2	973·9	974·5	975·3	976·1	976·1	976·3	976·7	977·1	972·4
26	977·4	977·9	978·5	979·5	979·5	980·0	980·7	981·6	982·7	983·7	984·3	984·4	984·9	985·9	986·6	987·7	988·6	989·4	990·4	991·4	992·1	993·0	993·8	994·6	985·0
27	995·1	996·0	996·6	997·0	997·6	998·0	999·4	000·4	001·3	002·1	002·9	003·4	003·4	004·3	005·3	005·8	006·1	006·6	007·3	007·9	008·3	009·0	009·2	009·5	002·7
28	009·9	010·4	010·7	011·1	011·3	011·6	012·1	012·5	012·8	012·9	012·9	012·6	012·5	012·4	012·4	012·4	012·5	012·5	012·3	011·7	011·7	011·7	011·1	010·8	**011·8**
29	010·3	009·5	009·0	008·1	007·2	005·9	006·1	006·3	006·2	006·0	006·0	005·1	004·7	004·3	004·1	003·2	003·1	003·0	003·0	002·3	002·5	000·6	000·3	000·4	005·1
30	999·2	998·8	997·9	998·2	998·0	997·9	997·5	997·8	997·1	996·7	996·7	996·3	995·5	995·0	994·7	994·1	993·7	993·3	993·4	993·4	993·1	992·5	992·4	991·6	995·8
31	991·7	991·5	991·3	991·0	990·6	990·0	989·9	990·0	989·9	989·9	989·9	989·5	989·2	989·5	990·1	990·7	991·0	991·3	992·1	992·7	993·3	993·8	994·3	995·0	991·1
Mean (Station level)	985 ·98	985 ·93	985 ·85	985 ·71	985 ·55	**985 ·40**	985 ·50	985 ·68	985 ·90	986 ·05	985 ·98	985 ·73	985 ·50	985 ·44	985 ·51	985 ·64	985 **·71**	985 ·80	985 ·93	986 ·07	986 ·09	986 ·12	**086 ·12**	986 ·05	985 ·80
Mean (Sea level)	1015 ·53	1015 ·51	1015 ·43	1015 ·29	1015 ·11	1014 ·97	1015 ·08	1015 ·25	1015 ·46	1015 ·57	1015 ·46	1015 ·18	1014 ·93	**1014 ·87**	1014 ·96	1015 ·13	1015 ·24	1015 ·33	1015 ·48	1015 ·64	1015 ·67	1015 ·69	**1015 ·69**	1015 ·63	1015 ·33
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

179. Eskdalemuir : $H_b = 237{\cdot}3$ metres. **1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Station Level	mb. 982·17	mb. 982·05	mb. 981·90	mb. 981·78	mb. 981·77	mb. 981·83	mb. 981·93	mb. 982·09	mb. 982·17	mb. 982·20	mb. 982·13	mb. 981·98	mb. 981·82	mb. 981·69	mb. 981·62	**mb. 981·59**	mb. 981·64	mb. 981·77	mb. 981·94	mb. 982·13	mb. 982·27	**mb. 982·29**	mb. 982·28	mb. 982·28	mb. 981·97
Sea Level	011·06	010·96	010·81	010·70	010·67	010·70	010·75	010·85	010·85	010·80	010·67	010·48	010·29	010·14	010·08	010·18	010·18	010·37	010·61	010·86	011·05	011·11	011·13	011·16	010·68

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 : $H_b = 237{\cdot}3$ metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	**973·30**	+0·62	+0·53	+0·42	+0·19	+0·02	−0·12	−0·24	−0·12	+0·03	+0·23	+0·05	−0·37	−0·80	**−1·00**	−0·90	−0·73	−0·56	−0·36	+0·01	+0·34	+0·56	+0·67	+0·75	**+0·79**
Feb.	986·04	+0·07	−0·05	−0·15	−0·19	−0·15	−0·11	+0·01	+0·29	+0·38	**+0·42**	+0·41	+0·32	+0·04	−0·20	−0·35	**−0·42**	−0·28	−0·12	−0·02	−0·01	+0·01	+0·03	−0·03	+0·06
Mar.	974·27	+0·34	+0·13	−0·22	−0·47	−0·47	−0·42	−0·28	−0·01	+0·09	+0·23	+0·28	+0·21	+0·06	−0·20	−0·37	**−0·51**	−0·43	−0·15	+0·13	+0·32	+0·40	+0·40	**+0·47**	+0·47
Apr.	981·88	+0·09	+0·04	−0·09	−0·20	−0·07	+0·16	+0·26	+0·33	**+0·39**	+0·37	+0·23	+0·13	+0·05	−0·12	−0·29	−0·48	**−0·49**	−0·43	−0·29	−0·08	+0·10	+0·10	+0·15	+0·14
May	**989·03**	+0·20	+0·15	+0·05	−0·01	+0·03	+0·13	+0·24	**+0·36**	+0·31	+0·26	+0·19	+0·05	−0·09	−0·23	−0·37	−0·49	**−0·59**	−0·54	−0·39	−0·15	+0·10	+0·22	+0·28	+0·29
June	981·85	+0·15	−0·01	−0·07	−0·10	−0·13	+0·01	+0·12	+0·17	+0·14	+0·13	+0·08	0·00	−0·03	−0·09	−0·17	−0·31	**−0·39**	−0·31	−0·16	−0·07	+0·23	**+0·29**	+0·28	+0·24
July	983·43	+0·28	+0·11	−0·05	−0·12	−0·09	+0·01	+0·07	+0·18	+0·15	+0·08	+0·03	−0·09	−0·25	−0·38	−0·36	−0·47	**−0·50**	−0·43	−0·20	+0·11	+0·43	**+0·52**	+0·51	+0·46
Aug.	981·04	+0·28	+0·06	−0·08	−0·21	−0·23	−0·12	−0·05	+0·07	+0·05	+0·02	0·00	−0·08	−0·10	−0·22	−0·30	−0·35	**−0·37**	−0·27	−0·03	+0·29	**+0·43**	+0·42	+0·41	+0·36
Sept.	977·91	+0·11	−0·07	−0·27	−0·44	**−0·49**	−0·34	−0·18	+0·01	+0·17	+0·21	+0·16	+0·11	+0·07	−0·06	−0·16	−0·20	−0·17	−0·10	+0·12	+0·31	**+0·37**	+0·35	+0·26	+0·20
Oct.	985·26	+0·17	+0·03	−0·20	−0·31	−0·33	−0·23	+0·08	+0·29	+0·30	+0·28	+0·11	−0·17	−0·40	−0·37	**−0·43**	−0·33	−0·09	+0·08	+0·20	+0·30	**+0·38**	+0·29	+0·13	+0·21
Nov.	984·17	+0·04	−0·02	−0·12	−0·23	−0·20	−0·23	−0·15	+0·09	+0·25	**+0·35**	+0·30	+0·15	−0·06	−0·16	**−0·27**	−0·21	−0·05	+0·10	+0·08	+0·10	+0·10	+0·06	+0·04	+0·03
Dec.	985·80	+0·13	+0·09	+0·01	−0·13	−0·28	**−0·43**	−0·33	−0·14	+0·09	+0·23	+0·17	−0·07	−0·30	−0·36	−0·29	−0·15	−0·07	+0·02	+0·15	+0·29	+0·32	+0·35	**+0·36**	+0·30
Year.	981·97	+0·21	+0·08	−0·06	−0·18	−0·20	−0·14	−0·04	+0·12	+0·20	+0·23	+0·17	+0·01	−0·15	−0·28	−0·36	**−0·39**	−0·33	−0·21	−0·03	+0·15	+0·29	**+0·31**	+0·31	+0·30

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

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

181. Eskdalemuir : $H_b = 237{\cdot}3$ metres. **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	991·1	986·6	979·6	964·3	966·0	953·5	989·2	979·1	994·2	991·5	980·3	977·8	977·7	976·3	984·5	982·4	991·7	989·2	976·9	968·4	990·1	980·3	998·2	996·0
2	988·4	976·9	989·0	979·6	970·9	959·7	989·1	980·3	991·5	975·4	985·5	979·5	978·7	977·0	993·6	984·5	**996·8**	991·6	985·7	957·5	989·8	981·0	996·4	994·1
3	976·9	971·2	988·0	984·5	977·4	961·3	985·5	979·9	980·0	975·4	988·2	985·2	977·6	974·5	998·8	993·6	996·4	994·1	998·8	985·7	987·5	982·2	994·1	983·5
4	990·3	972·8	999·6	983·7	972·3	958·5	985·3	967·6	984·8	980·0	988·1	982·9	976·2	971·4	998·7	992·6	994·1	990·4	000·9	998·5	988·8	981·3	983·7	979·9
5	989·6	981·9	999·6	985·4	958·6	953·8	970·8	967·5	993·4	984·8	983·3	978·7	978·9	970·8	992·6	984·4	990·4	986·1	002·5	000·8	986·6	962·0	979·9	965·6
6	982·4	969·9	004·9	992·6	963·0	958·6	974·4	968·6	997·1	993·3	984·5	979·5	982·8	978·9	984·4	975·8	986·8	982·5	002·3	000·0	962·5	**958·8**	978·9	965·1
7	987·1	969·5	004·8	001·5	962·4	959·0	973·0	963·5	998·1	996·7	984·1	981·4	982·9	977·4	976·4	972·1	990·2	982·1	002·1	999·2	972·5	962·5	985·7	978·9
8	990·1	984·7	006·0	003·9	967·3	958·4	972·4	965·5	997·6	992·4	986·7	981·9	986·9	982·6	977·9	972·7	989·2	968·3	**004·3**	002·1	980·0	972·5	985·3	980·6
9	995·3	988·9	**006·5**	004·3	970·7	967·3	976·8	972·4	997·1	993·7	988·6	986·7	985·2	981·9	973·8	972·1	978·7	967·8	004·1	002·7	978·8	968·4	985·1	980·1
10	**999·4**	992·8	004·7	002·4	981·4	970·7	988·7	976·8	**004·2**	997·1	988·6	984·9	989·1	983·4	975·6	973·8	978·2	973·3	002·7	999·8	978·3	969·3	991·2	985·1
11	997·5	983·9	002·6	000·7	994·2	981·4	993·3	982·3	**004·2**	995·0	988·4	986·1	991·3	988·2	978·8	975·3	987·7	977·6	002·4	000·2	985·0	978·2	991·2	987·5
12	986·3	947·2	000·7	995·1	**998·3**	994·2	**996·9**	993·3	995·6	993·4	989·0	987·6	990·8	989·0	980·1	977·0	989·7	986·9	002·5	998·7	999·9	984·9	987·6	985·4
13	951·7	945·1	996·2	994·5	998·2	994·4	995·9	978·6	995·7	989·6	989·2	987·4	991·4	989·1	981·7	978·1	986·9	983·5	998·7	989·6	999·7	994·5	985·4	977·6
14	954·1	952·1	003·0	996·2	995·2	992·8	978·8	971·6	989·6	979·0	993·6	989·1	995·1	990·9	978·1	972·1	986·0	982·7	992·8	989·1	994·6	988·6	978·3	975·4
15	962·2	952·1	002·8	001·9	995·2	992·7	991·3	972·1	980·4	978·6	**995·4**	991·1	**998·1**	995·0	975·6	970·4	985·6	980·2	992·8	986·3	989·7	985·1	997·9	978·3
16	965·9	962·1	002·0	999·2	996·6	992·1	994·8	991·3	981·0	976·1	991·1	977·7	**998·1**	995·3	979·6	975·6	980·2	967·4	986·6	976·8	989·4	985·7	004·6	997·9
17	975·9	965·7	999·2	995·1	992·1	987·6	993·9	991·6	993·0	981·0	977·7	971·0	995·9	991·2	981·2	979·6	974·3	969·0	979·9	973·4	989·5	982·1	005·4	004·3
18	987·7	975·9	997·0	994·5	993·0	990·8	995·8	993·9	994·3	993·0	973·8	969·0	995·7	992·2	980·8	976·5	975·7	968·4	981·3	976·1	982·2	978·3	005·6	002·0
19	990·0	986·3	997·0	986·1	994·1	992·3	994·8	991·8	995·3	992·8	979·4	968·3	995·7	993·9	981·2	976·6	975·0	967·6	980·8	971·8	981·5	978·9	002·0	992·1
20	986·3	971·4	986·1	974·4	993·0	990·3	991·8	984·8	992·8	977·8	987·8	979·4	994·2	985·9	981·1	967·9	978·4	971·7	990·2	980·8	982·5	979·6	992·1	978·7
21	970·8	967·6	974·4	965·1	990·8	978·1	988·6	983·2	981·9	**973·1**	985·7	975·7	985·9	975·1	967·9	962·1	971·7	968·8	990·1	978·6	985·3	980·6	978·7	962·3
22	971·2	968·9	965·1	955·9	978·1	971·2	983·2	969·5	994·8	981·9	990·1	981·4	975·5	973·5	968·4	**960·4**	969·6	955·6	978·6	964·3	984·0	982·7	962·3	**942·4**
23	974·6	970·5	961·4	954·3	971·2	952·0	981·5	968·9	994·9	992·3	982·8	979·9	982·6	975·5	981·2	968·4	959·1	953·9	979·5	968·3	983·7	967·6	963·0	943·7
24	976·8	968·1	966·1	961·4	957·5	952·6	977·6	967·4	995·1	992·9	984·3	972·8	986·1	981·8	987·0	981·1	956·3	**952·1**	980·5	973·1	985·3	967·4	970·1	963·0
25	980·2	968·8	966·4	962·9	956·5	**943·3**	970·5	**957·9**	995·0	992·8	984·0	**966·7**	985·6	984·2	993·5	987·0	964·1	956·3	973·1	968·0	997·9	985·3	977·1	969·7
26	980·4	957·1	966·2	957·2	957·3	944·6	984·9	970·5	995·1	992·7	974·0	968·2	984·2	977·4	992·5	983·3	978·4	964·1	972·8	968·0	997·9	992·8	994·6	977·1
27	976·8	968·2	967·8	955·9	971·1	957·3	988·0	982·4	993·0	989·2	977·8	972·8	977·4	969·0	983·3	978·7	990·9	978·4	976·8	959·6	998·0	990·7	009·5	994·6
28	974·1	955·9	968·3	**953·9**	977·2	971·1	990·0	983·0	989·2	984·3	980·2	977·4	975·8	**968·5**	985·4	980·1	990·6	974·9	977·0	**947·3**	997·6	985·7	**013·0**	009·5
29	961·4	**944·6**	—	—	976·1	968·8	989·6	983·8	984·6	981·6	978·3	975·5	979·9	975·8	997·5	984·5	976·8	970·2	984·2	950·3	**005·9**	989·4	010·8	000·2
30	957·2	951·8	—	—	979·8	962·5	993·1	989·0	982·1	980·5	978·5	976·3	979·5	975·6	**999·8**	997·5	980·0	976·5	981·4	971·8	005·8	998·2	000·4	991·6
31	964·3	953·3	—	—	981·4	976·0	—	—	980·6	978·5	—	—	983·7	979·2	998·5	991·7	—	—	989·5	972·9	—	—	995·0	989·1
Mean.	978·58	968·12	989·46	982·37	978·61	970·55	985·98	977·60	991·81	986·33	984·64	979·06	985·76	981·31	984·18	978·32	981·65	974·37	989·41	979·99	988·34	979·82	990·42	981·65

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

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

182. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **January, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·0	78·5	79·3	79·0	79·1	79·4	79·7	79·7	79·1	78·9	79·7	79·6	79·6	79·9	79·8	79·7	79·8	79·7	79·9	80·2	80·8	80·2	79·7	80·0	79·6
2	79·9	79·9	80·0	79·8	79·8	79·8	79·7	79·5	79·6	79·5	79·7	79·7	80·0	79·8	79·5	79·2	79·1	79·2	79·5	79·7	79·6	79·7	79·7	79·8	79·7
3	79·9	80·0	80·5	79·1	78·7	78·1	77·9	77·0	76·6	76·6	76·6	77·4	76·9	76·7	76·4	76·0	75·3	74·6	74·8	74·8	74·3	74·1	73·1	74·0	76·8
4	73·7	73·7	74·5	74·0	73·5	72·7	72·0	71·1	70·2	71·0	73·0	74·0	74·0	74·0	72·7	72·1	70·0	69·2	68·3	68·1	67·6	67·0	68·8	69·3	71·5
5	70·3	70·7	70·2	70·2	70·8	71·2	72·2	72·0	72·3	72·8	72·9	73·5	73·7	74·4	74·4	74·7	75·0	76·1	75·3	75·8	75·3	75·4	75·0	74·7	73·2
6	74·7	74·9	75·3	76·0	76·8	77·0	78·2	78·7	79·1	79·0	78·9	79·0	78·9	78·3	78·1	77·9	77·8	77·5	77·0	76·7	76·0	76·5	76·0	75·9	77·2
7	75·9	75·2	75·4	75·7	75·8	75·9	75·9	75·8	76·1	74·8	75·1	76·0	76·7	77·2	77·1	76·0	75·6	74·1	73·3	73·3	73·7	72·7	72·7	72·8	75·2
8	73·0	73·7	74·1	74·0	75·0	75·9	75·9	77·7	77·6	78·2	78·9	79·1	79·6	80·8	81·7	82·2	82·6	82·8	82·0	82·0	81·5	80·8	80·4	80·2	78·6
9	80·0	79·9	79·8	80·0	80·5	80·1	80·2	80·5	79·9	80·2	82·3	83·0	83·1	83·3	83·6	82·8	82·9	83·3	83·1	83·0	82·7	82·6	82·2	81·9	**81·7**
10	81·2	81·1	81·3	81·4	81·3	81·3	81·8	81·7	81·3	81·7	81·4	81·7	81·2	81·6	81·7	81·1	81·1	80·9	80·9	80·8	80·9	80·6	80·3	80·2	81·2
11	80·0	79·8	79·4	79·4	79·2	79·3	79·2	79·2	79·2	79·1	79·4	79·5	79·2	80·0	80·0	80·1	80·3	80·8	80·0	79·7	79·0	78·4	78·2	77·9	79·5
12	76·9	77·1	76·9	76·3	75·8	76·0	75·5	75·1	75·9	76·2	76·9	77·2	77·3	76·9	76·5	76·7	77·4	78·8	80·0	79·3	78·6	78·0	77·8	77·0	77·1
13	77·2	77·0	76·3	76·0	75·1	74·1	74·3	74·1	74·0	74·0	74·1	74·7	74·8	75·0	75·0	75·0	74·8	74·8	75·0	75·1	75·7	76·1	76·8	77·0	75·3
14	77·0	76·0	75·6	74·9	74·9	75·3	75·7	75·9	76·3	76·7	76·9	77·1	77·1	77·1	76·9	**76·3**	**76·2**	76·0	**75·7**	**75·3**	75·3	74·9	74·4	74·6	76·0
15	75·0	74·9	74·8	74·7	74·1	74·9	74·9	75·0	75·0	74·8	75·3	75·2	75·4	75·2	74·9	74·3	73·7	74·3	74·7	74·9	74·0	74·0	74·1	74·4	74·7
16	74·0	73·5	73·1	73·4	74·0	74·3	73·1	72·7	73·1	72·5	73·5	74·0	74·7	74·7	74·7	74·3	74·0	73·7	73·8	73·9	73·7	73·1	73·0	72·2	73·7
17	72·0	71·9	72·7	72·3	71·8	71·5	72·0	71·0	70·8	70·9	70·3	70·7	71·2	72·0	72·2	71·5	70·4	71·4	71·4	71·5	71·0	70·9	70·0	69·9	71·3
18	70·2	71·7	71·0	72·8	73·1	73·1	73·0	72·0	73·4	73·9	74·8	74·9	74·7	75·4	75·0	74·5	74·5	74·7	74·7	74·8	74·5	73·6	72·9	73·6	73·5
19	73·0	74·6	73·8	72·9	72·9	72·5	72·2	72·4	72·0	72·7	74·6	74·9	75·4	75·2	73·7	72·3	70·4	70·1	68·4	67·5	66·8	65·9	65·5	65·1	71·6
20	64·7	64·9	64·0	63·8	63·8	63·4	62·7	63·4	64·6	65·7	68·4	71·0	71·4	71·9	72·6	72·7	72·8	72·9	72·2	72·2	72·2	72·3	72·6	72·8	**68·5**
21	72·8	72·8	72·8	73·0	73·1	73·4	73·6	72·1	73·2	72·6	72·8	73·2	73·0	73·2	73·5	73·5	73·6	73·6	73·4	72·5	72·4	72·5	70·2	69·6	72·8
21	70·2	70·5	70·2	71·2	71·1	71·9	71·9	72·0	72·3	73·2	72·6	72·8	73·0	73·2	73·7	73·5	73·2	73·2	73·2	73·3	73·2	73·1	72·9	72·9	72·4
23	72·9	72·9	73·0	73·8	73·2	73·8	73·8	74·0	74·5	74·7	75·0	75·0	75·6	75·7	76·1	75·8	76·1	76·3	76·5	76·4	76·4	77·0	76·8	76·9	75·0
24	76·8	76·5	76·3	76·6	76·8	77·6	77·6	77·7	76·8	76·4	76·7	76·9	78·6	78·7	79·1	79·6	79·8	79·4	79·2	79·1	79·2	79·4	79·4	79·4	78·0
25	79·2	79·0	79·0	78·8	78·8	79·1	79·0	79·2	79·2	79·2	79·2	79·1	79·1	78·9	78·8	78·8	78·4	78·2	78·2	77·5	78·2	77·6	77·6	78·2	78·7
26	77·9	78·3	78·4	78·5	78·5	77·8	77·5	77·4	77·4	78·2	78·6	78·8	79·5	80·2	80·9	79·3	78·1	76·7	76·5	76·2	75·5	75·6	75·5	75·3	77·8
27	75·7	74·9	77·1	77·3	77·1	76·8	77·2	75·6	75·6	75·6	75·9	75·9	76·0	75·7	75·2	74·8	74·6	74·6	74·8	75·5	75·7	76·8	77·4	77·2	75·9
28	77·6	78·3	78·5	78·5	78·5	78·6	78·7	78·8	79·1	79·5	79·4	79·5	78·6	78·9	79·0	78·5	78·5	77·7	77·6	77·6	77·1	76·4	75·5	74·8	78·2
29	74·8	74·6	74·9	74·8	73·6	73·4	73·3	73·3	73·4	73·0	73·7	73·5	73·8	74·1	74·0	74·3	74·4	74·9	75·0	75·2	75·4	75·0	75·0	74·3	73·5
30	74·7	74·5	74·7	74·7	74·6	74·7	74·6	74·7	74·7	75·0	75·6	74·7	75·8	75·6	75·9	75·5	75·3	75·3	75·7	75·8	74·8	74·8	74·9	75·4	75·1
31	75·3	75·3	75·1	75·1	75·5	75·4	75·3	74·9	75·7	76·0	76·9	78·0	76·5	77·1	76·5	76·1	75·6	75·7	74·7	75·0	75·6	75·1	75·7	76·0	75·7
Mean ...	75·3	75·4	75·4	75·4	75·4	75·4	75·4	75·3	75·4	75·6	76·1	76·4	76·6	**76·8**	76·7	76·4	76·2	76·1	76·0	75·9	75·7	75·5	75·3	**75·3**	75·8

183. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **February, 1927.**

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

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

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

184. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **March, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·0	79·0	79·3	79·1	79·0	79·2	79·4	79·4	79·4	79·4	79·6	80·6	80·6	80·4	80·2	79·8	79·5	79·5	79·0	78·9	79·0	79·0	78·9	78·8	79·4
2	78·9	79·3	79·0	78·6	78·6	78·5	78·5	78·6	79·3	78·8	78·9	78·7	78·6	78·8	78·4	78·3	78·6	79·3	79·6	78·8	78·2	77·8	78·1	78·1	78·7
3	78·8	78·3	77·8	77·9	78·3	78·0	77·6	77·6	78·4	79·4	79·7	80·4	78·4	79·7	81·0	80·2	79·3	76·2	76·8	76·7	77·4	77·2	76·8	76·7	78·3
4	77·2	77·5	77·6	78·3	78·8	78·8	79·1	79·7	80·1	79·6	79·5	79·5	79·5	80·0	79·6	79·2	78·7	78·7	78·3	78·3	78·0	78·0	77·9	77·4	78·7
5	77·4	76·9	76·9	77·0	77·0	76·9	76·4	76·1	76·1	76·8	78·4	78·7	78·3	78·3	77·6	77·6	77·6	77·4	76·7	76·6	76·8	76·8	76·8	76·6	77·2
6	75·9	76·1	76·3	75·8	75·8	76·6	76·8	76·8	77·3	77·5	77·2	78·6	78·8	80·2	79·6	78·3	77·5	76·2	75·7	75·8	75·5	74·4	73·8	71·9	76·7
7	71·6	70·4	70·0	70·0	69·6	70·0	70·4	71·5	72·6	73·9	75·1	76·4	76·9	77·6	77·7	77·7	77·5	76·6	76·3	76·3	76·0	75·9	75·4	74·9	**74·1**
8	73·9	73·9	73·8	73·7	73·3	73·3	73·7	73·9	74·9	76·7	77·2	77·2	77·3	79·3	80·0	79·0	77·2	76·3	76·5	76·8	76·4	76·4	76·3	76·0	75·9
9	75·3	74·5	73·9	73·3	73·9	74·0	73·9	74·2	75·0	76·9	78·8	78·2	80·0	80·8	80·3	78·5	78·3	77·8	75·9	76·2	76·7	76·6	75·8	76·0	76·5
10	76·1	75·9	75·7	74·9	74·4	72·5	73·0	73·9	75·9	76·7	78·4	78·0	79·3	79·3	80·3	79·4	77·3	77·6	75·7	75·8	73·5	72·8	73·5	73·1	76·0
11	73·1	73·7	73·5	73·2	74·0	74·2	74·2	74·9	76·9	78·7	78·1	77·7	77·6	77·7	78·3	77·0	76·6	75·1	74·9	74·6	73·9	73·2	73·1	73·1	75·3
12	73·1	73·0	73·1	72·0	72·9	73·3	73·4	74·5	76·2	77·5	78·9	77·6	79·4	79·4	77·9	77·8	77·2	75·8	73·2	72·9	72·1	73·0	72·1	71·6	74·9
13	71·1	70·9	71·7	71·8	72·3	72·8	73·5	73·9	74·9	74·8	77·2	77·8	77·9	77·4	77·6	77·9	77·3	76·0	73·4	72·4	72·7	72·1	73·0	72·1	74·3
14	71·4	71·5	73·0	72·6	71·7	72·1	72·2	73·1	74·4	75·2	76·5	76·9	**77·8**	77·7	77·2	77·3	76·5	75·3	75·3	75·2	75·2	74·8	74·9	74·3	74·6
15	74·2	73·8	73·8	72·3	71·3	71·0	71·3	73·1	75·2	76·7	78·1	79·0	79·1	79·6	79·9	80·2	79·5	79·2	79·5	78·6	78·1	78·1	78·6	78·2	76·5
16	78·5	78·4	78·6	76·8	77·1	77·3	77·1	77·7	79·0	81·3	82·2	83·3	85·0	85·3	85·0	83·4	83·1	81·6	80·4	78·9	76·8	77·1	76·7	76·7	79·9
17	76·0	76·2	75·2	74·6	75·0	74·0	73·4	75·0	76·9	80·4	82·3	83·4	85·5	86·6	86·8	85·6	84·2	81·2	79·8	75·9	75·3	74·1	74·9	73·7	78·6
18	74·1	74·9	75·6	75·0	73·6	73·0	72·7	74·3	78·0	81·1	83·3	83·1	82·1	81·5	82·0	81·4	79·8	79·1	79·0	79·6	79·9	79·8	79·8	79·8	78·3
19	79·6	79·6	79·6	79·6	79·7	79·7	79·7	79·8	80·2	80·3	80·4	80·4	80·5	80·4	80·4	80·3	80·3	80·4	80·1	80·4	80·4	80·1	80·1	80·1	80·1
20	80·2	80·6	81·2	80·8	80·5	79·5	79·5	79·5	79·6	79·4	79·0	78·8	79·2	79·4	79·6	79·5	79·4	79·4	79·2	79·1	79·0	79·2	78·9	78·8	79·6
21	78·8	78·9	79·0	79·2	79·4	79·5	79·6	79·8	80·6	83·2	85·2	85·8	86·5	87·8	88·8	88·5	87·4	85·0	82·2	81·3	80·7	81·0	80·3	79·6	**82·4**
22	79·6	79·7	80·7	80·7	81·2	81·0	81·2	81·0	81·0	81·0	80·6	80·4	80·9	81·2	81·4	81·2	80·4	79·8	79·5	79·5	79·5	77·4	76·9	76·9	80·2
23	76·2	78·9	79·1	78·5	78·5	78·7	79·2	79·6	79·8	79·7	80·2	80·6	80·6	79·9	80·4	80·5	80·4	80·4	79·4	77·9	76·9	77·6	76·7	75·6	79·0
24	75·5	75·3	75·6	75·4	76·0	76·1	75·1	75·6	76·5	77·7	79·5	78·5	76·7	77·9	76·8	79·3	77·1	77·2	76·7	76·6	76·1	75·0	74·9	74·7	76·5
25	74·9	75·9	74·9	75·9	76·7	76·9	77·2	77·7	79·1	78·3	78·6	77·6	77·6	76·2	76·2	76·0	74·9	74·6	73·8	73·6	73·9	73·8	73·4	73·1	75·9
26	72·7	72·1	72·9	73·2	72·9	73·0	73·5	73·9	74·5	76·0	76·6	77·6	77·6	78·5	78·2	78·7	77·6	76·5	76·0	75·6	74·6	74·2	73·5	73·3	75·1
27	73·3	73·5	73·5	73·9	73·9	74·8	75·3	76·1	77·6	80·3	80·2	79·5	81·1	80·6	81·2	80·6	80·3	79·5	78·7	76·3	75·6	75·1	75·4	75·5	77·1
28	75·8	76·4	77·3	77·5	76·6	75·1	75·6	77·9	79·0	79·7	80·7	80·9	81·7	82·0	82·3	82·2	81·6	80·2	78·8	76·9	74·3	74·4	75·3	74·8	78·2
29	75·2	75·8	74·9	73·4	72·5	72·4	73·5	75·6	76·9	78·0	78·8	79·8	80·4	80·4	80·3	80·0	79·5	78·7	78·6	78·6	78·5	78·6	78·8	79·1	77·3
30	79·4	78·8	78·7	78·7	79·6	79·8	79·6	79·5	79·7	78·7	78·6	78·5	79·7	80·4	81·2	80·3	78·7	78·5	77·8	77·6	76·9	76·7	76·7	75·9	78·8
31	75·5	75·0	74·8	73·3	73·9	74·2	74·8	75·0	77·6	78·6	79·6	79·0	79·4	81·1	79·8	80·9	79·7	78·7	77·6	76·1	75·0	74·8	73·9	73·2	76·8
Mean ...	75·9	76·0	76·0	75·7	75·7	**75·7**	75·8	76·4	77·5	78·5	79·3	79·4	79·8	80·2	**80·2**	79·9	79·1	78·3	77·6	77·0	76·5	76·3	76·2	75·8	77·5

185. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **April, 1927.**

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

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

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

186. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **May, 1927.**

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

187. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **June, 1927.**

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

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

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

188. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **July, 1927.**

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

189. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **August, 1927.**

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

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

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

190. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **September, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	86·4	86·8	87·3	87·7	87·8	87·8	88·1	88·1	88·5	89·6	90·4	89·6	88·6	88·0	87·8	87·5	87·5	87·1	86·8	85·9	85·9	86·0	85·2	84·9	87·5
2	83·8	82·2	83·1	82·2	80·9	82·4	83·1	83·2	84·9	87·3	88·8	88·7	88·8	89·2	89·4	89·5	89·4	87·3	83·9	81·9	81·5	80·6	80·0	79·9	84·8
3	79·7	80·6	79·8	79·7	80·5	79·8	82·7	85·5	87·8	89·6	90·7	91·4	91·4	90·4	90·5	92·3	91·4	89·8	87·8	86·4	85·1	84·9	85·0	83·4	86·0
4	83·2	83·6	83·2	82·7	81·8	82·4	83·3	86·1	88·6	90·5	91·3	91·4	92·1	92·0	91·9	91·3	90·4	88·5	85·8	84·1	84·2	84·0	83·3	83·7	86·6
5	84·0	84·8	85·1	85·0	85·1	85·6	85·9	85·9	86·9	87·8	89·6	92·0	92·1	92·3	92·2	91·1	89·6	89·1	87·8	87·6	87·7	87·7	87·7	87·6	87·8
6	87·6	87·6	87·6	87·3	87·3	87·3	87·7	87·8	88·2	88·6	88·4	89·2	90·5	90·6	91·4	91·4	90·8	89·6	89·1	88·6	87·7	87·8	87·8	87·8	**88·7**
7	87·6	87·6	87·2	86·7	86·0	86·7	85·1	85·0	85·7	86·0	87·7	87·8	87·8	89·5	89·1	88·6	87·7	85·6	84·1	81·4	80·1	79·7	79·0	78·8	85·6
8	79·8	80·7	81·3	84·6	84·8	85·0	85·0	85·3	85·5	85·9	86·0	86·4	87·0	87·7	87·6	87·3	87·4	87·7	87·8	87·9	88·6	88·2	85·8	85·0	85·6
9	84·2	84·2	84·2	84·9	85·6	85·8	85·9	85·9	85·9	85·7	85·9	86·8	86·7	87·6	85·8	84·9	84·5	84·1	82·7	81·5	82·2	80·8	80·9	80·4	84·6
10	80·4	80·0	78·9	79·5	80·0	80·5	81·5	82·3	84·6	85·4	85·8	85·0	85·0	83·8	86·6	83·6	83·9	81·8	81·5	81·4	81·8	81·0	80·5	79·6	82·3
11	78·7	79·8	79·5	79·9	79·7	79·3	80·4	80·6	82·3	83·4	83·2	83·7	83·7	84·1	83·9	84·2	83·8	82·0	80·7	80·6	81·3	81·0	80·9	80·9	81·5
12	81·0	79·6	77·9	77·2	76·0	76·4	78·2	79·3	81·6	82·7	83·3	83·4	83·5	83·4	83·3	83·2	83·0	82·9	82·3	81·9	81·6	81·7	81·5	81·4	81·1
13	80·3	80·6	80·7	80·5	80·6	80·6	80·7	81·1	82·2	83·2	83·8	84·0	84·1	83·9	83·3	83·3	82·5	81·9	81·4	81·4	81·0	80·7	80·6	80·5	81·8
14	80·3	80·1	79·9	80·0	80·0	79·9	79·7	79·7	80·9	82·1	82·9	83·3	81·8	82·7	83·0	82·7	81·9	81·4	80·6	80·5	81·2	80·5	80·3	80·4	81·1
15	80·4	80·6	81·0	81·3	80·8	81·4	81·6	82·2	84·1	85·0	86·4	86·4	87·3	87·4	86·8	85·0	84·1	82·7	79·6	78·7	77·8	75·9	75·5	74·8	82·1
16	74·1	74·0	74·1	73·5	73·2	72·5	74·6	77·4	81·4	81·3	82·2	82·4	83·8	83·7	83·1	83·1	82·5	82·5	82·6	81·3	80·7	80·5	80·3	79·6	**79·3**
17	78·5	79·5	79·6	80·3	79·0	78·6	80·4	82·1	83·1	84·0	84·7	84·1	83·3	83·3	84·7	82·4	81·6	80·5	80·5	79·5	79·5	79·7	80·4	79·6	81·2
18	79·3	79·0	79·1	78·8	78·7	79·1	79·5	80·5	82·2	82·2	82·1	83·1	85·1	84·0	85·0	84·1	83·7	83·0	80·4	78·8	78·7	80·5	80·2	79·5	81·2
19	78·5	77·8	77·9	77·7	77·9	78·4	79·0	79·6	80·4	81·5	83·2	85·1	84·1	84·3	84·1	85·9	84·7	84·2	83·5	83·4	83·3	82·8	83·0	83·2	81·7
20	82·8	82·5	82·3	82·4	81·5	82·0	82·1	82·7	83·4	83·9	84·4	85·1	85·1	85·1	84·3	84·3	84·1	83·6	83·3	82·8	82·5	82·4	82·5	82·4	83·2
21	82·4	82·4	82·4	82·4	82·4	82·4	82·4	82·6	82·7	83·2	83·2	83·2	83·2	82·8	82·4	82·3	82·3	82·2	82·2	81·8	81·6	81·4	81·6	81·4	82·4
22	81·4	81·5	81·5	81·6	81·7	81·9	82·2	82·4	83·4	84·3	84·6	84·9	84·5	84·3	84·1	84·1	82·9	82·0	81·4	80·8	80·3	79·6	79·5	78·7	82·3
23	79·2	78·7	78·1	78·0	78·1	78·2	78·6	79·4	80·5	82·2	83·7	83·2	83·8	83·2	82·4	83·3	81·9	80·2	78·0	76·8	78·3	76·8	76·0	75·9	79·8
24	75·1	75·1	75·2	75·8	78·7	77·6	78·2	79·1	81·8	83·1	84·0	84·9	84·1	83·7	83·6	84·9	83·1	81·5	80·4	79·0	77·7	77·7	77·2	76·7	79·9
25	75·9	76·3	75·9	76·2	76·3	75·8	78·6	81·2	82·2	83·1	82·8	82·5	83·6	81·8	81·7	81·9	81·4	81·2	80·7	80·5	80·4	80·3	80·4	80·5	80·0
26	80·4	80·4	80·4	80·3	80·3	80·4	80·5	81·4	82·2	82·2	83·2	83·8	83·2	84·0	83·8	83·1	82·1	80·7	79·8	81·2	80·9	80·8	81·1	80·0	81·5
27	79·2	77·8	77·8	77·0	78·2	75·9	76·7	79·4	82·4	83·3	84·1	83·6	84·6	85·0	84·6	84·5	83·8	80·9	80·5	77·8	76·5	74·8	74·0	73·8	80·0
28	73·9	74·7	76·2	79·5	79·6	79·5	80·6	81·4	82·5	83·1	83·1	83·1	83·2	83·2	83·6	83·8	84·0	84·0	83·9	84·0	84·2	84·1	84·1	84·0	81·6
29	84·1	83·9	83·9	83·9	82·2	81·4	80·6	80·5	79·6	80·4	80·8	81·6	82·8	82·3	82·7	80·5	80·6	79·7	77·3	77·0	76·8	77·8	76·5	77·7	80·7
30	77·8	78·5	78·5	78·6	79·1	78·8	79·3	80·6	81·5	81·6	82·4	83·1	82·7	82·8	82·3	82·0	81·7	81·5	81·5	81·8	82·0	82·0	81·9	82·0	80·9
Mean ...	80·7	80·7	**80·7**	80·8	80·8	80·8	81·4	82·3	83·6	84·4	85·1	85·4	**85·6**	85·5	85·5	85·2	84·6	83·6	82·6	81·9	81·7	81·4	81·1	80·8	82·8

191. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **October, 1927.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	82·1	82·4	82·5	82·4	82·5	82·4	82·6	82·7	83·3	83·8	83·6	83·9	84·2	85·0	85·0	83·3	82·2	81·8	80·7	79·8	79·4	78·7	78·0	77·2	82·2
2	77·5	77·9	77·9	78·0	78·2	79·1	80·2	85·1	85·6	86·0	86·4	87·0	84·4	80·4	79·6	78·7	78·7	78·7	78·7	78·7	78·6	78·7	78·7	78·2	80·4
3	78·2	77·9	77·2	77·0	77·0	77·2	77·9	80·0	81·1	82·1	82·9	83·5	82·1	82·2	83·0	83·2	80·8	79·5	77·0	76·0	76·1	74·6	73·3	74·0	79·0
4	73·5	73·0	73·0	73·5	73·1	73·0	73·0	75·0	78·6	82·4	82·5	82·7	83·6	84·8	85·1	85·0	81·5	78·5	77·0	75·0	75·9	75·4	74·8	74·0	77·7
5	73·4	73·0	72·7	72·5	72·4	72·5	73·0	74·9	78·0	82·1	85·4	86·5	86·2	86·1	85·2	85·0	84·1	83·4	82·8	82·7	82·2	82·0	81·6	81·6	79·8
6	81·5	81·8	81·6	81·7	81·9	82·1	82·1	83·3	84·3	85·6	87·2	87·4	89·0	88·0	88·6	87·0	86·5	85·1	85·0	84·0	82·3	82·0	80·8	80·1	84·1
7	80·9	80·6	80·6	80·1	79·9	78·9	78·3	81·0	84·2	87·1	85·9	87·4	90·5	91·5	91·7	89·3	87·5	84·6	82·3	82·1	82·0	80·7	79·9	78·9	83·6
8	79·5	78·0	78·9	78·9	78·1	78·5	78·9	80·2	82·3	82·6	83·5	84·4	85·4	84·9	85·0	85·1	84·8	84·6	84·3	84·0	83·7	83·4	83·2	83·1	82·2
9	83·5	83·1	83·0	83·0	83·0	83·0	83·1	83·2	84·0	84·6	85·2	85·1	85·3	85·4	85·2	84·8	84·0	81·4	79·6	78·8	77·9	77·9	78·1	78·1	82·6
10	77·0	76·2	76·0	75·0	74·1	73·8	73·5	75·3	79·3	84·8	85·7	86·1	87·0	87·0	85·3	82·1	80·4	79·9	79·8	79·7	79·6	79·5	80·0	80·1	79·8
11	79·9	79·5	79·2	78·8	79·0	79·0	79·1	79·5	80·3	81·1	81·8	82·0	82·0	81·6	81·1	80·1	79·5	79·7	79·8	79·7	79·3	79·0	78·9	78·4	80·0
12	78·1	78·1	77·7	77·8	77·8	78·0	78·3	78·9	78·9	79·1	79·9	80·6	80·7	80·8	81·1	81·9	81·5	81·5	81·0	80·6	79·4	79·4	79·3	78·9	79·5
13	79·1	79·8	80·5	80·1	80·0	79·8	80·0	83·0	83·5	83·6	83·9	84·1	83·9	84·5	84·9	84·5	83·0	81·2	81·2	81·5	82·5	82·0	81·9	81·9	82·0
14	81·9	81·9	81·8	81·5	81·2	81·1	80·6	81·6	81·8	82·0	82·2	82·3	83·0	82·6	82·9	82·4	81·9	81·5	81·1	80·8	80·6	80·2	80·2	80·5	81·6
15	80·1	79·9	79·6	79·0	78·9	78·9	78·8	79·2	79·7	81·5	81·5	81·1	81·5	81·9	81·9	81·9	81·9	81·9	81·1	81·1	81·1	80·9	79·2	78·8	80·5
16	79·2	79·2	79·5	79·6	80·0	79·0	79·0	80·6	81·5	83·4	82·4	82·3	83·0	83·0	83·0	82·8	82·9	83·1	83·4	83·3	83·3	83·6	83·1	83·1	81·7
17	83·1	82·9	82·6	82·4	82·4	82·6	82·5	82·2	82·7	83·1	82·7	82·4	82·6	82·0	82·2	82·1	81·5	80·0	79·9	79·6	79·2	79·0	78·8	78·0	81·6
18	78·0	77·1	78·0	77·1	77·5	77·5	77·0	78·0	79·8	81·6	82·4	82·9	81·7	82·0	81·6	81·0	79·6	78·0	77·1	78·9	78·1	78·0	77·0	78·9	79·1
19	79·3	79·9	79·9	79·9	79·9	79·9	79·8	79·1	79·5	79·7	80·0	81·4	80·7	78·8	78·6	78·2	77·4	76·5	76·0	76·0	75·8	76·5	76·5	75·2	78·6
20	75·5	76·0	73·5	73·0	72·8	72·0	71·0	72·6	74·7	78·0	79·8	80·0	80·9	80·0	79·5	78·9	78·0	77·0	74·9	73·0	72·0	71·6	71·2	70·9	75·3
21	70·9	70·1	70·5	70·6	69·9	69·8	68·8	71·5	73·6	76·5	78·1	79·0	79·4	79·8	79·3	78·9	78·0	77·5	77·6	77·1	76·7	76·5	76·6	76·9	**75·0**
22	77·9	78·9	79·5	80·2	80·3	80·6	80·5	80·5	81·1	81·3	82·0	82·5	82·8	82·5	82·4	81·8	81·4	80·9	81·0	81·0	81·0	80·9	81·0	81·0	80·9
23	80·9	80·8	80·5	80·6	80·5	80·2	80·2	80·1	81·0	81·5	81·9	81·5	82·1	81·0	81·5	80·0	78·8	77·2	76·0	76·0	75·8	75·8	74·9	74·9	79·4
24	74·0	74·1	74·9	75·7	76·4	76·6	77·2	78·8	79·3	81·0	81·1	81·2	81·8	81·8	81·5	81·5	82·0	82·6	83·0	83·4	83·9	84·0	84·1	84·9	80·0
25	85·0	85·6	85·8	85·9	86·1	86·0	86·0	86·0	86·0	86·5	86·8	86·9	86·0	85·6	86·2	86·5	85·6	85·2	85·3	85·3	85·2	85·2	85·7	85·0	**85·8**
26	84·5	84·1	84·1	84·1	83·9	83·5	83·3	83·9	84·4	85·0	85·1	85·4	85·8	85·7	85·0	85·1	85·0	84·0	84·0	84·0	84·0	84·5	84·5	84·2	84·5
27	84·4	84·4	85·6	85·6	86·0	86·0	83·5	82·9	83·2	83·0	83·7	83·6	83·9	83·9	84·1	82·9	80·2	82·3	82·9	82·0	82·2	81·9	82·0	82·0	83·5
28	81·8	81·9	81·8	81·9	81·2	81·6	81·8	82·4	83·0	81·9	82·0	82·0	81·8	82·6	84·7	84·9	85·0	85·5	85·0	83·3	82·0	82·5	83·8	83·8	82·8
29	83·8	84·0	82·0	81·8	81·5	81·6	81·7	81·5	82·2	82·5	83·0	82·9	83·6	83·9	83·5	82·2	80·5	79·8	80·5	81·3	81·5	81·5	81·1	81·5	82·1
30	81·2	81·2	82·1	82·7	83·8	83·9	84·1	84·7	85·2	84·9	85·2	86·1	85·9	85·9	85·7	85·9	86·0	86·0	86·0	85·8	85·4	85·0	84·6	84·4	84·6
31	84·4	83·8	83·2	83·0	82·8	81·9	81·3	81·0	81·6	83·5	83·2	82·5	82·6	82·8	83·1	82·1	80·8	81·3	8·05	79·0	78·0	78·0	78·9	79·9	81·7
Mean ...	79·7	79·6	79·5	79·5	79·4	79·4	**79·3**	80·3	81·4	82·6	83·1	83·4	**83·7**	83·5	83·5	82·9	82·0	81·3	80·8	80·4	80·2	80·0	79·7	79·6	81·0
Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

192. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metres. **November, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·5	80·3	80·9	81·0	81·6	82·1	82·0	81·9	81·8	80·9	81·1	81·2	82·9	83·5	84·0	84·1	84·5	84·9	85·0	85·0	85·0	85·0	85·0	85·9	82·8
2	85·6	85·5	86·2	86·4	86·8	87·1	87·0	87·1	87·2	87·5	88·0	88·0	88·0	86·9	86·5	85·8	85·0	84·8	84·8	84·3	84·5	84·4	84·9	85·1	**86·2**
3	85·3	85·1	85·2	85·1	85·5	85·4	85·2	85·2	85·6	85·8	85·9	85·9	85·8	86·4	86·1	86·0	85·2	84·5	83·9	84·1	84·5	84·1	83·9	83·9	85·2
4	83·5	83·3	83·1	83·3	83·1	83·2	83·3	83·1	83·1	83·4	82·2	82·0	82·2	81·5	81·0	80·2	78·8	77·1	75·6	76·0	76·0	76·5	76·2	77·2	80·8
5	76·9	78·2	78·0	78·0	77·8	77·9	78·0	78·5	79·0	79·4	79·7	80·1	79·0	78·8	76·5	76·7	77·0	75·6	75·5	75·9	75·6	75·1	75·0	74·3	77·4
6	74·4	74·2	74·7	74·6	74·5	73·9	73·5	73·8	75·7	75·9	77·4	77·0	77·1	76·8	76·2	75·2	74·9	74·9	74·9	74·1	74·1	75·0	75·1	74·5	75·1
7	74·8	74·5	74·3	73·6	73·4	73·5	73·0	73·4	74·5	75·0	75·8	75·8	75·6	75·1	74·7	74·1	73·7	73·6	73·2	73·0	72·7	71·6	71·5	71·0	73·9
8	71·0	70·0	69·8	69·7	69·9	69·0	67·0	70·0	72·0	74·2	75·0	75·1	75·1	74·9	74·1	72·8	71·0	70·6	70·6	70·9	70·5	69·8	68·0	66·9	**71·2**
9	68·0	68·8	68·9	69·6	73·6	74·4	73·7	74·6	74·0	75·3	77·2	77·3	77·4	77·5	74·1	73·6	73·5	72·5	72·6	72·7	73·0	73·3	73·6	73·7	73·3
10	73·5	73·9	73·6	74·0	73·9	72·9	72·6	72·6	73·5	73·9	74·4	74·9	74·9	74·8	74·7	74·1	73·6	73·2	72·5	72·2	72·3	72·1	72·1	72·1	73·5
11	72·5	72·5	72·1	72·1	72·1	72·0	72·3	72·8	73·8	74·4	74·9	75·2	75·4	75·2	74·7	73·1	73·0	71·7	72·0	72·0	71·0	71·5	71·4	71·6	72·9
12	72·0	72·4	72·6	72·5	72·5	73·0	73·2	73·6	74·2	75·6	76·5	77·0	76·6	76·0	76·0	74·6	73·0	72·5	72·7	71·9	71·0	70·9	69·1	68·2	73·3
13	67·6	66·7	68·0	70·0	72·0	71·8	72·0	74·6	75·6	76·9	77·4	77·9	78·1	78·3	78·1	77·7	77·9	78·0	77·8	78·3	77·2	77·1	78·1	77·9	75·0
14	76·5	76·1	76·0	76·0	76·0	76·0	76·9	77·0	77·5	78·7	78·7	78·7	80·0	79·2	78·9	78·8	78·9	79·0	78·2	77·9	76·5	76·0	74·4	72·0	77·4
15	72·0	71·0	70·0	69·0	69·1	69·1	69·6	70·0	70·6	71·7	73·0	73·9	75·0	75·2	75·3	75·3	75·6	76·5	77·5	77·4	77·8	77·0	75·1	74·5	73·3
16	75·0	75·1	75·2	75·5	76·0	79·3	79·3	80·0	80·0	80·7	81·2	82·1	81·9	81·9	82·2	82·0	81·7	81·2	81·2	81·4	81·2	81·0	81·1	81·0	79·7
17	81·0	80·6	80·4	80·1	80·0	80·0	79·5	79·5	79·5	80·0	81·7	80·7	80·4	80·8	80·7	79·0	78·3	78·1	78·0	78·4	78·3	78·3	78·1	78·0	79·6
18	78·0	77·1	77·4	77·8	78·0	78·5	79·0	79·4	79·0	78·8	78·1	77·9	77·8	77·7	77·5	77·5	77·7	77·9	77·9	78·0	78·0	77·9	77·5	77·2	78·0
19	77·1	76·9	76·5	76·4	76·5	76·5	76·6	76·7	76·6	76·5	76·4	76·5	76·6	76·5	76·2	76·1	76·0	76·1	76·0	76·1	76·2	76·0	75·9	76·2	76·4
20	76·0	76·0	76·2	76·7	76·5	76·4	76·0	76·0	76·1	76·0	76·1	76·1	76·2	76·5	76·4	76·4	76·5	76·5	76·3	76·4	76·3	76·4	76·5	76·5	76·3
21	76·4	76·4	76·3	76·5	76·5	76·6	76·9	76·9	77·0	77·3	77·1	77·0	77·0	77·0	76·8	76·9	76·7	76·8	76·9	76·6	76·0	75·7	75·7	75·6	76·6
22	76·0	76·1	76·2	77·0	77·3	77·5	77·7	77·7	78·2	78·1	78·7	78·9	79·3	79·2	79·1	79·0	79·1	79·0	79·0	78·9	79·0	79·0	78·9	78·5	78·2
23	78·0	78·0	77·9	77·7	77·5	77·1	77·0	76·7	76·5	76·5	76·6	76·9	77·0	77·1	77·2	77·7	77·9	79·3	79·7	79·9	80·4	80·6	81·0	82·7	78·1
24	81·6	80·0	79·6	79·0	78·3	77·7	77·8	77·0	77·4	78·9	80·0	79·8	80·1	80·0	79·2	78·9	78·2	78·0	78·4	79·0	79·2	78·7	77·3	77·5	78·9
25	76·9	76·5	76·5	76·4	76·5	76·5	77·0	76·8	76·0	78·0	78·5	79·7	80·3	80·1	80·0	79·9	79·8	80·1	80·1	79·7	80·1	80·6	81·0	81·0	78·6
26	80·5	80·5	80·9	80·9	80·9	80·9	80·6	80·6	80·9	81·0	80·9	80·9	81·0	81·1	80·9	80·6	80·5	80·5	80·4	80·4	80·2	80·4	80·2	80·2	80·7
27	80·1	79·9	79·9	79·8	80·0	80·1	80·0	80·4	81·0	80·9	80·9	80·2	81·1	81·2	79·0	76·7	74·9	75·0	74·0	72·9	72·5	71·9	71·2	71·4	77·9
28	70·9	71·2	72·0	72·1	72·4	72·2	73·0	74·0	73·7	74·7	76·7	79·2	79·9	80·0	80·5	80·6	80·8	81·1	80·0	79·2	79·2	79·0	79·1	78·2	76·5
29	78·2	77·7	76·5	76·4	75·3	74·8	74·8	74·6	75·0	76·5	77·5	78·0	78·1	78·0	76·7	75·1	75·4	75·1	74·6	74·4	73·3	71·8	71·9	71·4	75·6
30	71·9	72·0	71·2	71·3	70·9	70·5	71·0	71·0	70·9	74·0	75·8	76·5	76·8	76·2	75·0	74·4	72·6	71·1	69·9	70·4	71·0	72·3	72·8	73·0	72·6
Mean ...	76·4	76·2	**76·2**	76·3	76·5	76·5	76·5	76·9	77·2	77·9	78·4	78·7	**78·9**	78·8	78·3	77·8	77·4	77·2	77·0	76·9	76·8	76·6	76·4	76·2	77·2

193. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **December, 1927.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	73·6	73·6	73·6	73·6	73·7	73·8	74·0	74·0	74·3	74·7	74·9	75·3	75·4	75·5	75·4	75·1	74·4	73·8	72·9	73·1	73·5	73·4	73·5	73·6	74·1
2	73·3	72·7	72·0	71·7	71·9	73·0	73·4	73·9	73·7	74·0	74·6	75·0	75·3	75·4	75·2	75·4	75·3	75·3	75·3	75·5	75·6	75·5	75·2	75·1	74·3
3	75·0	75·0	74·8	74·8	75·0	74·8	74·7	74·7	74·7	74·8	75·2	75·3	75·1	75·1	75·1	75·0	74·9	74·6	74·1	74·0	74·1	74·0	74·0	73·8	74·7
4	73·7	73·5	73·2	73·2	73·1	73·3	73·3	73·2	73·4	73·3	73·1	73·5	73·8	73·8	73·5	73·2	73·2	73·2	73·2	73·5	73·6	73·4	73·3	73·0	73·4
5	73·0	73·0	73·1	73·3	73·6	73·8	74·1	74·7	75·2	76·0	76·3	76·7	77·2	77·1	77·2	77·4	77·8	77·8	77·8	77·7	78·0	77·9	78·4	77·8	75·9
6	78·0	78·7	79·0	79·3	80·1	80·5	80·5	80·4	80·3	80·2	80·7	80·8	81·1	81·0	80·8	80·7	80·8	80·6	80·3	80·5	80·1	79·4	77·8	78·0	**80·0**
7	78·1	78·0	77·9	78·2	78·0	77·7	77·2	77·6	78·3	78·8	79·0	79·2	79·2	79·0	78·3	78·2	78·1	78·0	77·7	77·5	77·5	77·3	76·9	76·9	78·2
8	77·3	77·3	77·2	77·1	77·0	77·0	77·0	77·0	77·0	77·0	77·2	77·4	77·5	77·5	77·5	77·3	77·3	77·3	77·2	77·2	77·2	77·0	76·9	76·9	77·2
9	76·7	76·3	76·1	75·5	74·9	75·1	75·3	75·3	75·8	75·9	75·8	76·2	76·7	76·6	76·6	76·7	76·6	76·9	77·1	77·4	77·6	77·8	77·8	77·8	76·4
10	77·2	77·3	77·8	77·2	77·7	77·7	77·8	78·1	78·2	78·3	78·3	78·3	78·3	78·2	78·3	77·9	77·7	77·5	77·0	76·5	76·1	76·3	76·4	76·4	77·5
11	76·4	76·0	75·8	75·8	75·7	75·6	75·8	75·9	75·9	75·9	76·3	76·3	76·2	76·2	75·9	75·5	75·7	75·9	75·9	76·0	75·6	75·5	75·2	74·9	75·9
12	74·7	74·2	74·4	74·2	74·5	74·5	74·2	74·6	74·5	74·7	75·0	75·3	75·1	75·1	75·0	74·7	74·3	74·1	73·8	73·8	73·8	73·7	73·8	73·8	74·4
13	73·7	73·7	73·6	73·4	73·3	73·2	73·3	73·1	73·0	73·2	73·7	74·1	74·1	74·1	74·1	73·6	73·2	73·0	72·8	72·8	72·7	72·6	73·0	73·1	73·4
14	73·1	73·1	73·0	72·6	73·0	72·9	73·0	73·1	73·0	73·5	73·7	74·0	74·3	74·2	74·1	74·0	74·3	74·1	73·8	73·2	73·0	73·0	73·0	73·0	73·4
15	73·0	73·2	73·5	73·5	73·7	73·7	73·9	73·6	73·6	73·6	73·7	73·6	73·6	73·6	73·5	73·1	72·8	72·2	70·3	69·0	68·7	68·8	70·0	68·7	72·5
16	69·8	68·7	68·4	69·2	68·8	68·2	67·4	68·2	68·4	68·9	70·0	70·2	70·7	70·6	69·5	69·8	69·8	70·1	70·1	69·0	69·1	69·5	69·7	70·0	69·3
17	69·8	69·8	69·5	69·4	69·2	67·6	67·7	65·2	66·4	67·5	68·5	69·7	70·1	70·4	70·5	69·9	67·9	67·5	67·8	68·2	69·0	70·1	70·1	70·1	68·8
18	70·2	70·2	69·8	69·0	69·7	69·2	69·6	69·9	70·1	70·7	70·7	71·0	71·6	71·3	70·3	67·8	66·3	66·4	66·4	66·4	67·2	69·5	68·9	69·4	69·3
19	69·0	69·2	69·1	68·6	68·7	68·1	68·0	68·3	67·3	68·9	69·2	70·5	69·7	69·8	70·3	69·8	67·9	68·1	68·8	68·8	68·8	68·8	68·0	68·3	68·8
20	68·1	67·8	67·9	68·0	68·2	68·2	68·7	69·2	69·8	70·0	70·4	70·5	70·5	70·4	70·3	70·0	70·0	70·1	70·0	70·0	70·1	70·2	70·0	69·9	69·5
21	69·9	69·8	70·0	70·0	69·6	69·5	69·7	69·6	70·6	71·1	71·7	71·8	72·1	72·3	72·2	72·3	72·2	72·7	73·0	73·1	73·2	73·3	73·4	73·5	71·5
22	73·7	73·4	73·4	73·6	73·7	73·8	74·5	76·5	77·0	77·5	77·1	76·7	76·4	76·2	76·2	76·4	76·5	76·5	76·7	77·1	77·1	77·4	77·4	77·1	75·8
23	76·9	76·8	76·7	76·2	75·9	75·6	75·2	75·0	75·0	75·0	74·9	74·9	74·9	75·0	74·7	74·7	74·7	74·7	74·9	75·0	74·8	74·8	74·8	74·7	75·3
24	74·6	74·5	74·4	74·5	74·3	74·2	74·1	74·2	74·6	74·9	74·9	74·6	74·9	75·1	74·8	74·3	74·0	74·0	74·1	73·9	73·9	73·8	73·9	73·4	74·4
25	73·3	73·2	73·1	73·0	73·0	73·1	73·2	73·3	73·2	73·2	73·1	72·9	72·0	71·9	72·7	72·4	71·9	71·5	72·1	71·2	71·3	71·0	71·1	71·0	72·5
26	70·8	70·9	71·0	71·0	71·4	70·8	70·7	70·8	71·0	71·7	71·3	71·8	72·0	71·4	71·4	71·6	71·8	71·5	71·7	71·6	71·9	72·1	72·3	72·7	71·4
27	72·2	72·4	72·1	72·4	72·0	72·1	72·0	72·2	71·9	72·6	73·1	73·6	73·1	73·7	73·8	73·1	72·7	72·7	73·5	73·8	72·8	73·7	73·7	72·9	72·8
28	72·8	70·4	71·1	70·6	71·6	69·8	69·3	69·2	68·9	69·0	69·9	70·8	71·8	71·1	69·6	69·0	68·0	69·0	68·0	68·0	68·3	70·3	70·8	71·8	70·0
29	71·8	71·0	71·2	72·6	72·9	72·8	72·3	72·2	72·4	73·0	74·0	74·0	73·9	74·4	73·9	72·4	72·0	72·1	71·9	72·1	72·0	72·0	72·1	72·6	72·5
30	72·9	73·0	73·0	73·0	73·0	73·4	73·2	73·0	73·6	73·9	74·1	74·2	74·1	74·0	74·0	73·3	73·4	73·0	72·8	71·8	71·1	70·0	69·9	69·0	72·9
31	68·0	67·2	67·0	66·0	67·6	67·2	65·9	67·7	68·5	69·8	70·0	70·5	70·8	70·9	70·5	70·2	70·2	70·0	69·7	69·0	67·5	65·9	65·1	64·2	**68·4**
Mean ...	73·2	73·0	73·0	72·9	73·1	72·9	**72·9**	73·0	73·2	73·6	73·9	74·2	**74·2**	74·2	74·1	73·7	73·4	73·4	73·3	73·1	73·1	73·2	73·1	73·0	73·4
Hour G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24	Mean

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

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

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

194. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metres. **1927.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
78·13	77·99	77·91	**77·83**	77·94	78·25	78·73	79·37	80·13	80·88	81·46	81·81	82·06	**82·19**	82·09	81·76	81·31	80·76	80·16	79·63	79·15	78·82	78·52	78·31	79·80

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

195. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
Jan.	75·80	−0·50	−0·46	−0·41	−0·41	−0·44	−0·39	−0·38	**−0·52**	−0·39	−0·24	+0·30	+0·64	+0·80	**+1·01**	+0·96	+0·64	+0·39	+0·37	+0·19	+0·12	−0·07	−0·28	−0·47	−0·47
Feb.	75·56	−0·96	−1·11	−1·35	−1·33	**−1·48**	−1·41	−1·35	−1·31	−0·67	+0·20	+1·05	+1·55	+2·11	+2·25	**+2·28**	+1·97	+1·13	+0·52	+0·20	−0·05	−0·19	−0·61	−0·68	−0·75
Mar.	77·45	−1·66	−1·58	−1·49	−1·81	−1·77	**−1·82**	−1·68	−1·06	+0·02	+0·99	+1·81	+1·98	+2·36	+2·73	**+2·76**	+2·47	+1·71	+0·91	+0·16	−0·37	−0·84	−1·09	−1·20	−1·56
April	77·80	−2·20	−2·44	−2·62	**−2·63**	−2·47	−2·03	−1·21	−0·22	+0·90	+1·81	+2·64	**+2·68**	+2·47	+2·64	+2·60	+2·27	+1·85	+1·25	+0·43	−0·24	−0·82	−1·10	−1·59	−1·94
May	80·95	−2·91	−3·17	−3·61	**−4·01**	−3·61	−2·51	−1·03	+0·06	+0·89	+1·77	+2·19	+2·63	+3·22	**+3·52**	+3·30	+3·14	+2·68	+2·03	+1·29	+0·39	−0·54	−1·35	−1·95	−2·42
June	82·32	−2·83	−3·15	−3·22	**−3·37**	−2·82	−1·63	−0·50	+0·45	+0·85	+1·35	+1·77	+2·33	+2·90	**+3·15**	+2·87	+2·67	+2·57	+1·89	+1·26	+0·26	−0·87	−1·50	−2·06	−2·38
July	**86·96**	−2·41	−2·51	−2·54	**−2·59**	−2·36	−1·67	−0·93	−0·24	+0·60	+1·20	+1·82	+2·16	+2·50	**+2·84**	+2·77	+2·57	+2·47	+1·72	+0·87	+0·01	−0·94	−1·44	−1·81	−2·06
Aug.	86·06	−2·12	−2·39	−2·42	−2·62	**−2·69**	−2·28	−1·42	−0·46	+0·68	+1·61	+2·13	+2·71	+2·69	+2·81	**+2·85**	+2·51	+2·23	+1·63	+0·57	−0·22	−0·97	−1·36	−1·68	−1·81
Sept.	82·76	−2·15	−2·11	**−2·15**	−1·96	−2·00	−2·01	−1·38	−0·50	+0·79	+1·64	+2·33	+2·67	**+2·83**	+2·79	+2·76	+2·47	+1·88	+0·91	−0·12	−0·84	−1·01	−1·32	−1·61	−1·89
Oct.	81·03	−1·38	−1·47	−1·51	−1·59	−1·62	−1·69	**−1·78**	−0·76	+0·37	+1·61	+2·10	+2·41	**+2·63**	+2·46	+2·45	+1·86	+0·95	+0·25	−0·22	−0·57	−0·85	−1·03	−1·26	−1·37
Nov.	77·16	−0·91	−1·04	**−1·05**	−0·96	−0·75	−0·69	−0·69	−0·35	0·00	+0·70	+1·27	+1·52	**+1·73**	+1·63	+1·14	+0·64	+0·27	+0·07	−0·12	−0·17	−0·33	−0·43	−0·67	−0·81
Dec.	**73·87**	−0·25	−0·46	−0·49	−0·54	−0·39	−0·53	**−0·56**	−0·39	−0·19	+0·20	+0·50	+0·78	**+0·89**	+0·89	+0 73	+0·39	+0·10	+0·07	−0·03	−0·15	−0·18	−0·09	−0·11	−0·20
Year	79·80	−1·69	−1·83	−1·91	**−1·99**	−1·87	−1·56	−1·07	−0·44	+0·33	+1·07	+1·66	+2·00	+2·26	**+2·39**	+2·29	+1·97	+1·52	+0·97	+0·37	−0·15	−0·64	−0·97	−1·26	−1·48

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

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

196. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metres. **1927.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	81·0	78·1	77·5	68·4	80·9	78·8	81·2	69·0	82·4	**68·5**	83·8	79·8	87·8	82·2	89·5	83·1	90·5	84·8	85·5	76·9	85·9	78·2	75·7	72·8
2	80·1	79·0	75·8	64·0	79·7	77·6	78·1	67·3	80·9	75·5	87·1	77·5	91·4	81·8	88·5	79·0	90·5	79·7	87·2	77·1	**88·5**	84·5	75·8	71·5
3	80·6	73·0	80·5	75·8	81·1	75·8	82·4	70·7	83·3	79·6	84·9	76·8	89·9	83·3	90·4	79·7	92·3	79·2	85·1	73·0	86·6	83·8	75·3	73·8
4	74·5	66·9	80·5	73·8	80·4	**67·2**	80·6	71·3	85·9	81·2	85·0	75·5	89·7	83·9	94·0	79·0	92·3	81·5	85·5	72·4	83·9	75·4	73·9	73·0
5	76·9	69·3	78·7	71·5	78·9	76·0	81·9	76·1	81·4	77·7	86·2	78·8	89·2	84·2	**94·3**	84·1	**93·1**	83·7	86·7	71·9	80·1	74·2	78·4	72·4
6	79·3	74·5	80·5	75·4	80·5	71·9	83·6	73·0	84·8	77·6	86·0	76·5	90·5	82·6	83·5	86·0	91·6	87·2	89·5	80·1	78·0	72·9	**81·2**	77·5
7	77·7	72·6	81·4	76·5	77·8	69·3	83·0	73·9	95·7	78·0	86·1	73·8	86·0	84·0	89·7	85·2	89·7	78·7	**92·1**	77·9	76·1	70·9	79·6	77·2
8	82·9	72·7	77·0	66·5	80·0	73·1	80·0	71·3	**96·3**	81·3	87·7	76·8	92·4	80·0	92·0	86·0	88·6	78·4	85·5	77·8	75·3	66·9	77·6	76·7
9	**83·7**	79·7	73·4	65·4	81·2	73·0	81·6	70·0	85·0	77·8	85·8	73·5	94·1	81·9	92·4	84·9	88·6	80·0	85·5	77·0	78·2	66·8	77·9	74·8
10	82·0	80·2	72·4	64·2	80·6	72·4	80·5	71·3	81·1	74·7	87·1	**71·9**	**96·0**	85·9	90·8	85·5	86·9	78·8	87·2	73·1	75·0	72·0	78·4	75·8
11	80·9	77·9	75·8	**63·0**	79·0	72·7	83·1	70·3	84·6	74·5	88·7	73·6	91·9	86·1	90·5	82·2	84·9	78·6	82·4	78·4	75·5	70·8	76·4	74·8
12	80·0	74·7	74·6	66·0	80·2	71·4	81·6	68·5	83·1	72·2	88·7	76·8	90·5	84·0	92·5	83·1	84·2	75·8	82·0	77·7	77·2	68·1	75·3	73·6
13	77·9	73·8	77·1	64·7	78·6	70·9	83·1	78·5	81·0	74·5	**90·0**	76·3	91·9	84·4	90·6	84·2	84·1	79·9	85·0	78·3	79·0	**66·5**	74·2	72·2
14	77·3	74·1	77·9	71·0	78·1	71·2	84·2	77·8	84·1	78·2	88·3	74·4	93·3	85·2	91·4	85·1	83·7	79·6	83·3	80·1	80·1	71·9	74·5	72·6
15	75·6	73·6	79·2	77·6	80·3	70·5	85·5	75·9	86·5	75·3	88·7	72·5	95·2	81·9	89·3	82·3	87·4	74·8	82·5	78·7	77·9	68·5	73·9	68·5
16	75·0	71·6	81·0	75·7	85·8	76·4	84·5	74·2	86·5	74·8	88·3	80·6	92·0	**79·8**	87·8	81·6	84·0	**72·5**	83·7	77·7	82·2	74·5	70·8	66·8
17	73·0	68·9	81·0	75·1	86·8	73·3	82·6	76·8	87·5	74·4	88·0	82·8	92·9	80·1	89·6	79·4	85·4	77·7	83·8	78·0	82·0	77·7	70·8	65·0
18	76·0	69·9	79·4	68·9	83·3	72·1	**85·8**	79·6	88·6	71·1	85·8	80·7	92·6	79·9	86·4	80·1	85·5	78·3	83·8	76·3	79·6	77·1	71·6	66·0
19	75·5	64·7	76·9	66·8	80·6	79·5	84·4	80·7	86·7	75·3	86·8	78·4	92·7	80·2	89·6	80·6	86·0	77·4	81·9	74·9	77·2	75·9	71·1	67·3
20	73·0	**62·7**	**81·6**	76·8	81·2	78·7	84·0	80·0	82·1	77·9	86·7	80·3	88·8	82·2	85·0	**76·4**	85·3	81·3	81·2	70·2	76·9	75·9	70·6	67·3
21	73·7	68·6	79·0	77·3	**89·0**	78·7	84·7	80·4	85·3	78·5	85·6	80·1	91·1	85·7	88·6	81·6	83·3	81·4	79·9	**68·8**	77·3	75·5	73·7	69·2
22	73·8	69·0	80·2	76·8	81·4	87·0	82·5	75·7	86·5	74·6	85·8	77·8	89·1	84·1	90·0	84·5	85·0	78·7	82·8	76·3	79·4	75·6	77·6	73·3
23	77·2	72·9	79·6	74·8	81·0	75·6	82·3	76·2	84·3	70·3	85·1	78·8	89·7	82·4	89·1	80·1	84·6	75·0	82·6	74·1	82·7	76·4	77·1	74·5
24	79·9	75·9	78·3	72·6	79·6	74·7	79·6	75·3	89·6	78·6	84·4	79·2	90·0	82·5	88·7	77·9	85·8	74·8	84·9	73·9	83·0	76·1	75·1	73·4
25	79·4	77·0	80·4	69·8	79·4	73·1	80·5	72·9	90·4	76·5	85·0	77·9	89·1	82·4	91·4	79·2	83·8	75·6	87·0	84·7	81·2	75·6	73·8	70·6
26	81·5	75·0	81·0	77·2	78·8	72·1	81·4	71·1	85·0	76·8	87·2	77·9	88·7	83·8	86·9	80·4	84·2	79·6	86·9	83·1	81·1	80·0	72·7	70·6
27	77·7	74·2	81·2	75·0	82·2	73·2	80·2	69·1	83·0	77·2	85·2	81·4	90·8	85·0	89·7	85·0	85·8	73·8	86·6	79·9	81·2	70·9	74·1	71·6
28	79·6	74·6	79·8	76·4	83·1	74·2	78·4	**66·1**	83·9	72·9	85·8	80·0	92·3	83·6	88·4	82·0	84·3	73·3	85·6	81·2	81·1	70·3	73·1	67·6
29	75·4	73·0	...	...	80·5	71·8	79·5	70·6	84·7	73·8	85·9	80·0	91·5	81·1	89·7	79·6	84·1	76·4	84·1	79·5	78·5	70·8	74·5	70·6
30	76·0	74·2	...	...	81·6	75·9	80·8	68·7	86·1	74·8	88·6	81·2	90·9	86·7	91·5	77·9	83·2	77·3	86·1	81·1	76·8	69·7	74·2	68·6
31	78·3	74·3	...	...	81·3	73·2	...	...	88·4	75·9	...	...	90·0	84·6	91·4	84·0	...	...	84·5	77·6	...	...	71·0	**63·9**
Mean	77·9	73·1	78·6	71·7	81·1	73·9	82·1	73·4	85·6	75·8	86·6	77·7	91·0	83·1	90·1	81·9	86·6	78·5	84·9	77·0	79·9	73·8	74·8	71·4

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

Percentages at exact hours, Greenwich Mean Time.

197. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **January, 1927.**

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

198. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **February, 1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

199. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **March, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	99	99	96	99	97	96	93	93	91	93	91	83	88	83	83	86	88	87	91	93	91	91	90	88	91·4	8·8
2	88	84	87	88	85	77	79	79	79	81	81	79	85	82	94	94	100	98	93	87	92	89	85	86	86·4	7·9
3	78	80	81	79	74	80	74	76	72	65	61	59	75	72	58	62	62	78	85	88	92	93	95	92	76·2	6·8
4	96	94	98	96	97	99	97	100	98	91	91	90	93	85	80	82	86	83	87	83	83	84	79	82	90·0	8·2
5	77	85	85	84	84	85	88	87	90	92	91	90	91	89	92	94	90	89	88	88	83	90	87	82	87·5	7·2
6	85	81	80	84	86	82	85	85	79	79	85	79	76	69	67	72	74	78	82	84	80	89	89	90	80·7	6·4
7	93	95	97	97	97	96	96	96	96	92	80	78	84	78	79	84	87	90	95	95	98	93	93	96	90·9	6·0
8	94	94	92	94	95	98	94	98	96	88	85	82	82	71	66	63	79	83	80	83	90	90	88	87	86·5	6·5
9	89	91	93	95	87	94	94	91	91	72	73	68	55	53	47	64	69	71	80	80	78	77	86	85	78·5	6·2
10	83	82	82	84	87	95	93	93	86	73	65	69	53	53	49	50	63	65	75	79	90	93	90	88	76·6	5·8
11	92	87	88	86	89	88	87	78	69	61	68	73	74	79	71	88	78	85	84	87	92	86	87	86	81·8	5·9
12	85	87	84	85	84	86	86	86	76	74	65	65	54	51	67	57	65	74	89	90	92	82	85	87	77·3	**5·4**
13	88	88	90	89	91	87	87	90	84	93	80	73	73	79	68	62	63	69	86	88	91	92	92	95	83·1	5·6
14	96	96	94	95	95	94	97	98	98	84	73	53	57	57	66	63	60	72	74	77	72	71	71	72	79·0	5·4
15	72	73	75	77	83	86	86	86	77	65	55	59	55	61	57	57	65	67	68	80	90	89	86	92	73·0	5·7
16	85	87	86	87	85	87	85	86	82	77	66	59	46	51	33	41	44	52	62	59	70	71	72	72	**69·0**	6·9
17	83	78	79	87	82	85	93	85	84	67	58	57	45	43	42	47	60	63	73	85	87	87	84	95	72·4	6·6
18	90	86	89	94	92	95	95	92	86	83	73	73	81	87	76	82	91	97	99	98	100	100	99	98	89·8	8·0
19	98	96	96	96	94	99	99	99	98	98	99	99	99	96	99	98	96	96	99	94	96	99	99	99	**97·5**	**9·8**
20	98	100	98	99	99	99	98	98	99	96	100	99	94	94	93	93	94	94	97	99	99	97	100	100	97·4	9·5
21	99	99	99	97	96	96	96	99	93	78	64	67	59	55	49	42	49	62	71	78	77	73	79	84	77·9	9·2
22	87	90	86	90	96	96	93	88	89	89	90	86	82	81	83	90	88	91	91	90	90	85	85	88	88·5	9·0
23	85	78	78	85	89	90	96	91	94	91	89	88	85	88	86	93	94	86	83	86	85	86	88	85	87·5	8·2
24	85	87	85	89	88	93	93	85	78	86	64	72	88	86	87	76	88	90	90	87	87	87	84	88	85·1	6·7
25	86	82	90	88	88	87	85	86	76	80	77	89	90	95	88	91	96	91	94	94	94	96	94	94	88·7	6·7
26	94	94	94	93	93	93	92	98	91	98	90	89	82	77	78	74	86	85	91	91	93	96	94	94	90·0	6·4
27	94	94	94	96	96	98	96	93	90	82	69	78	66	74	71	85	82	84	85	92	89	98	93	91	87·1	7·1
28	100	93	92	90	92	96	93	89	82	73	62	61	54	52	50	50	68	82	81	85	92	93	94	98	79·9	7·1
29	96	94	98	91	91	90	90	87	85	76	73	71	67	67	69	72	78	88	91	91	93	93	96	96	85·2	7·1
30	94	88	93	94	94	94	87	80	80	86	80	79	76	79	69	72	77	70	74	74	82	75	72	78	81·5	7·5
31	74	80	80	86	85	83	80	84	74	75	60	55	51	50	50	44	52	60	70	76	78	73	87	90	70·5	5·7
Mean ...	89·1	88·5	89·0	90·1	90·0	90·1	**90·5**	89·5	85·9	81·9	76·0	75·0	73·0	72·2	**69·8**	71·7	76·6	79·9	84·1	85·9	87·9	87·8	87·8	88·9	83·4	†7·1
Vapour Pressure* ...	mb. 6·7	mb. 6·7	mb. 6·8	mb. 6·7	mb. 6·7	mb. 6·7	mb. 6·8	mb. 7·0	mb. 7·2	mb. **7·4**	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·3	mb. 7·1	mb. 7·1	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·0	mb. 6·9	mb. 6·8	mb. 6·7	mb. **6·6**	‡7·0	

200. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **April, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	87	86	86	85	85	87	82	70	61	59	64	54	73	58	76	78	91	86	86	90	89	91	94	95	79·6	5·8
2	97	98	98	98	98	98	100	99	88	80	89	85	71	71	93	91	93	91	93	91	96	94	92	92	91·6	5·6
3	92	94	94	96	94	94	92	91	84	66	64	52	45	45	39	41	50	63	69	69	81	88	89	92	74·3	5·8
4	93	93	93	94	94	94	92	82	73	68	71	76	78	87	91	87	98	99	98	98	94	93	93	92	88·8	7·3
5	90	89	94	92	96	88	90	86	85	79	73	75	72	96	83	**68**	69	82	74	90	90	92	96	98	85·2	7·6
6	97	98	94	96	96	96	98	98	85	72	60	66	55	58	56	70	64	59	69	77	87	82	87	95	79·8	7·2
7	93	90	93	93	88	94	93	90	76	86	64	86	71	59	51	56	62	71	79	84	82	84	86	82	80·0	6·9
8	82	83	83	85	87	87	92	89	83	90	74	61	62	52	50	49	62	59	77	91	89	90	94	93	77·4	6·0
9	92	93	92	85	82	76	73	52	68	64	61	66	60	58	57	64	71	80	87	88	86	85	78	87	75·3	5·8
10	91	87	93	93	84	86	91	82	89	60	69	71	61	61	46	49	51	51	71	77	88	91	92	95	76·0	6·1
11	97	98	99	85	80	87	89	94	90	88	82	78	75	70	51	48	55	61	60	66	72	66	70	68	76·7	6·1
12	76	84	91	76	68	73	66	61	62	73	85	80	71	70	77	86	91	84	83	82	86	83	86	80	77·8	6·6
13	83	81	78	84	86	91	97	99	99	96	94	93	93	92	94	98	93	94	96	95	96	95	91	95	**91·9**	9·7
14	89	88	88	86	86	79	79	74	65	66	62	58	59	67	89	82	72	87	67	74	78	62	61	66	75·0	8·2
15	77	74	80	75	76	75	71	65	60	55	54	47	80	79	78	65	72	77	69	72	75	76	76	79	70·8	7·0
16	74	77	82	80	75	80	77	67	60	64	53	56	58	58	58	61	65	69	72	70	78	84	82	76	69·9	6·7
17	83	84	82	82	79	85	88	86	83	88	91	93	94	94	94	95	95	95	96	96	95	93	88	80	89·0	9·2
18	80	80	87	84	88	88	79	71	70	71	65	76	85	82	89	83	87	94	96	96	91	**91**	92	92	83·8	9·8
19	92	92	93	96	94	86	89	91	83	82	60	64	67	70	67	76	76	77	81	83	88	89	89	89	82·3	9·4
20	86	82	79	83	83	82	86	85	82	79	73	77	90	82	73	82	78	81	88	86	87	89	88	88	82·9	9·3
21	83	88	89	88	86	86	83	81	78	72	70	69	93	92	95	97	98	97	98	94	94	99	96	93	88·2	**10·2**
22	89	88	89	86	89	88	91	91	89	91	93	95	95	95	91	86	83	85	82	84	86	83	84	83	88·4	9·4
23	82	78	78	75	74	79	78	74	84	68	57	46	61	52	82	65	66	73	87	75	85	87	85	83	73·9	6·5
24	82	79	77	84	79	79	76	77	71	82	82	85	88	88	88	89	86	76	82	76	85	77	73	78	80·9	6·5
25	84	82	80	84	87	87	93	96	96	88	81	85	89	91	85	77	67	65	66	73	72	62	73	68	80·7	5·9
26	70	72	72	72	75	72	70	65	46	48	55	51	41	38	42	41	45	51	71	68	75	77	83	83	61·5	4·4
27	87	91	87	84	89	87	89	85	91	77	64	52	42	46	39	39	47	52	57	57	66	68	72	73	68·6	4·6
28	77	76	75	75	81	78	70	56	65	50	42	55	53	72	75	73	88	73	78	90	96	82	82	82	72·5	4·7
29	81	84	84	70	72	75	74	63	56	57	33	34	38	34	38	43	36	50	57	63	64	63	70	70	**59·0**	**4·1**
30	70	73	74	77	79	71	63	56	42	34	29	34	26	35	34	56	69	73	84	93	95	88	90	92	63·6	4·5
Mean ...	85·2	85·4	**86·1**	84·8	84·3	84·3	83·7	79·2	75·5	71·8	**67·1**	67·3	68·2	68·4	69·4	69·8	72·7	75·2	79·1	81·6	84·9	83·5	84·4	84·6	78·2	†6·9
Vapour Pressure* ...	mb. 6·3	mb. 6·2	mb. 6·2	mb. **6·1**	mb. 6·1	mb. 6·3	mb. 6·6	mb. 6·7	mb. 6·9	mb. 7·0	mb. 6·9	mb. 7·0	mb. 7·0	mb. 7·1	mb. **7·1**	mb. 7·0	mb. 7·1	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·6	mb. 6·5	mb. 6·3	‡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.	—

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

Percentages at exact hours, Greenwich Mean Time.

201. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **May, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	95	97	97	97	97	97	92	72	48	37	44	36	33	28	26	28	23	60	64	68	66	70	73	65	63·6	**4·7**
2	64	61	69	72	72	78	73	75	74	59	60	65	69	65	79	82	86	87	86	83	88	91	90	93	75·3	6·8
3	91	91	91	91	91	90	88	85	85	82	89	94	98	99	94	96	96	98	98	98	96	98	100	100	93·1	10·2
4	99	98	98	98	98	98	97	94	95	91	89	85	88	90	85	93	97	96	96	96	95	96	96	96	**94·3**	12·1
5	92	91	91	91	91	93	97	93	86	86	82	86	82	80	78	82	84	83	86	85	87	90	90	89	87·5	8·6
6	94	94	94	94	94	94	94	96	97	90	86	81	79	77	77	78	83	83	87	84	91	90	87	90	88·1	9·1
7	91	93	94	90	92	90	88	84	83	81	68	64	57	52	53	44	49	73	80	83	83	90	91	89	77·6	**12·1**
8	90	94	86	88	86	90	81	52	44	42	41	38	36	36	37	42	41	44	48	61	68	68	62	73	60·7	11·3
9	90	90	94	88	89	90	91	85	82	79	75	74	70	70	79	76	84	89	90	88	79	82	84	82	83·1	8·9
10	87	84	82	87	83	78	78	80	74	71	73	61	57	52	61	61	56	55	66	73	76	69	80	77	71·8	6·1
11	80	82	82	80	80	79	57	54	50	49	47	46	45	44	45	47	52	56	60	58	70	70	73	85	62·0	5·9
12	78	80	84	90	94	94	82	64	69	66	62	87	83	84	80	78	66	69	66	71	82	79	74	82	77·7	6·6
13	82	85	79	84	80	72	62	67	56	49	52	59	57	55	71	64	68	69	73	79	82	87	87	88	71·0	7·2
14	87	86	89	92	94	91	98	93	91	89	90	87	92	86	93	93	95	99	96	95	88	78	79	80	90·2	9·9
15	81	78	78	82	83	77	79	79	82	91	61	61	49	60	64	57	63	62	77	81	86	86	90	92	74·7	8·2
16	87	93	93	93	89	86	82	64	63	64	56	64	58	63	58	88	87	86	87	88	87	88	82	85	79 0	8·0
17	87	88	86	93	92	89	87	70	66	64	49	50	43	43	38	39	48	51	60	60	67	79	80	83	67·2	7·3
18	94	94	95	95	95	93	88	57	52	55	42	40	43	38	44	44	47	51	56	69	77	79	81	73	67·0	7·1
19	84	77	82	77	76	65	59	52	49	47	46	45	46	43	45	45	46	58	62	65	69	66	73	76	**60·5**	6·7
20	73	82	84	74	80	80	82	77	77	82	83	86	86	89	93	91	93	96	92	77	85	86	83	88	83·9	8·5
21	86	84	85	91	91	86	93	86	82	86	85	79	74	83	72	68	70	70	77	73	72	74	76	73	80·1	8·7
22	73	67	74	70	73	73	71	69	67	62	76	59	54	38	39	42	44	55	54	61	67	69	78	82	63·0	7·0
23	96	97	98	98	96	94	75	68	70	77	85	90	93	96	94	95	96	94	89	88	87	86	90	87	89·0	8·7
24	87	87	90	86	86	86	87	88	88	89	88	88	78	76	72	73	74	78	74	77	79	87	86	90	83·0	11·6
25	90	94	94	87	89	88	77	78	74	69	65	56	54	52	50	56	61	66	71	80	79	79	77	77	73·7	9·4
26	81	80	84	84	83	78	70	66	67	64	58	61	60	59	57	58	55	62	65	70	65	66	66	67	68·0	7·2
27	71	72	74	73	74	79	74	72	61	59	54	48	45	53	49	54	61	84	79	79	87	85	88	88	68·9	6·5
28	93	84	90	87	74	71	64	56	54	58	55	51	46	48	51	53	54	50	56	63	69	76	76	80	65·1	6·4
29	79	85	85	86	86	80	73	68	72	73	66	65	61	68	64	60	61	65	76	75	83	83	87	88	74·4	7·6
30	88	89	87	86	77	77	81	79	71	63	61	55	54	51	59	56	56	44	50	71	70	76	75	85	69·3	7·5
31	83	84	82	85	71	80	65	62	59	49	52	46	49	48	51	61	56	63	63	67	72	77	84	83	66·4	8·1
Mean ...	85·6	85·8	**86·8**	86·7	85·7	84·4	80·2	73·7	70·6	68·5	65·8	64·7	62·5	**62·1**	63·2	64·7	66·2	70·8	73·7	76·3	79·1	80·7	81·9	83·4	75·1	†8·2
Vapour Pressure* ...	mb. 7·4	mb. 7·3	mb. 7·2	mb. **7·0**	mb. 7·1	mb. 7·5	mb. 7·9	mb. 7·9	mb. 8·0	mb. 8·2	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·5	mb. **8·7**	mb. 8·7	mb. 8·4	mb. 8·2	mb. 7·9	mb. 7·7	mb. 7·6	mb. ‡8·0	

202. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **June, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	82	83	90	88	90	91	93	90	93	93	91	89	89	92	87	83	84	91	92	95	95	96	94	**89·8**	9·9
2	88	86	83	90	88	81	76	72	69	60	61	68	54	50	51	51	54	59	61	66	61	72	77	78	69·3	8·2
3	85	86	79	83	84	68	73	61	57	54	69	74	79	61	70	61	59	52	58	64	66	72	82	83	69·9	7·5
4	88	87	88	90	86	88	88	77	75	88	69	75	68	63	63	59	67	79	70	76	76	78	76	77	77·3	8·1
5	77	84	81	79	78	78	71	63	61	54	54	52	45	52	70	69	67	74	65	69	71	67	72	76	67·9	7·8
6	87	83	86	82	78	74	61	70	59	50	53	53	62	56	57	62	75	79	74	74	77	77	76	84	70·2	8·1
7	87	83	82	83	85	83	70	61	66	59	66	56	54	54	52	75	73	72	74	76	80	80	85	87	72·5	7·8
8	87	90	88	88	87	84	87	71	67	69	72	58	51	51	62	47	56	55	68	68	72	78	78	77	71·5	8·0
9	71	80	72	89	80	70	62	52	49	46	48	41	50	35	43	44	41	55	48	57	67	68	79	79	59·4	**6·0**
10	77	76	83	86	71	70	64	53	47	49	40	41	40	39	35	54	46	45	44	62	71	62	78	80	58·9	6·2
11	76	77	81	84	83	70	65	57	56	58	58	50	48	44	40	42	48	71	72	81	88	86	90	91	67·1	7·9
12	90	96	89	98	91	94	94	84	57	65	65	59	53	51	52	51	40	46	47	57	65	73	79	77	70·0	8·7
13	84	86	83	81	88	85	82	74	75	56	59	43	47	43	36	43	40	45	47	54	74	75	76	70	64·5	8·2
14	81	80	79	85	76	64	54	47	40	45	38	41	38	38	37	39	38	40	56	59	67	73	85	80	**57·3**	6·6
15	95	94	92	90	78	67	55	45	40	43	44	41	48	48	50	45	50	49	52	55	60	60	66	64	60·0	7·2
16	63	66	73	63	60	70	75	81	83	86	75	85	86	89	93	96	93	96	96	98	95	93	96	95	83·0	11·2
17	97	98	95	97	95	97	97	93	96	95	88	78	80	74	76	78	72	72	83	83	87	81	85	87	87·0	12·2
18	92	89	87	88	85	84	86	87	77	80	80	79	78	76	87	88	87	88	94	92	95	93	95	93	86·5	11·0
19	93	94	88	91	91	86	80	73	77	88	86	83	73	72	78	81	81	76	70	74	69	69	69	68	80·1	9·6
20	65	68	68	71	72	69	71	58	67	59	60	52	54	58	51	58	68	81	84	89	**92**	95	93	96	70·2	8·8
21	99	99	99	84	91	88	80	78	83	88	78	79	81	72	68	66	73	73	80	77	79	73	75	79	81·3	9·9
22	81	83	77	78	74	72	61	62	65	58	61	53	54	70	86	93	96	96	95	94	93	88	82	88	77·3	8·8
23	84	88	88	85	87	88	83	81	83	92	84	74	74	76	75	75	68	78	55	69	77	82	86	87	80·0	9·1
24	88	91	96	93	90	88	93	93	89	87	83	84	82	71	78	82	79	73	79	82	84	91	90	89	85·6	9·2
25	86	86	92	91	87	79	77	75	88	82	91	90	91	93	99	96	86	77	86	87	89	94	88	92	87·5	9·3
26	86	86	85	84	88	84	79	70	69	65	63	66	60	58	69	59	67	58	57	67	71	73	71	76	71·6	8·5
27	73	72	81	79	81	78	76	76	78	76	79	77	76	74	75	82	83	80	78	80	84	83	87	86	78·7	9·5
28	83	87	84	76	81	78	79	75	75	73	71	67	61	67	64	65	64	75	87	90	93	89	96	94	77·9	9·4
29	96	94	96	94	93	90	83	75	79	66	71	76	79	78	72	70	74	81	82	92	89	95	86	92	83·5	10·1
30	92	91	92	94	93	92	90	89	96	90	85	81	78	80	87	88	91	88	91	93	95	93	93	94	89·8	**12·3**
Mean ...	84·4	85·4	85·2	**85·5**	83·7	80·3	76·8	71·4	70·5	69·1	68·1	65·5	64·4	**62·8**	65·4	66·7	67·3	70·1	71·5	75·9	79·4	80·3	82·9	83·8	74·9	†8·8
Vapour Pressure ...	mb. 8·1	mb. 8·1	mb. 8·0	mb. **7·9**	mb. 8·1	mb. 8·4	mb. 8·7	mb. 8·6	mb. 8·8	mb. 8·9	mb. 9·0	mb. 9·0	mb. 9·2	mb. 9·1	mb. 9·3	mb. 9·4	mb. **9·4**	mb. 9·4	mb. 9·2	mb. 9·1	mb. 8·8	mb. 8·5	mb. 8·5	mb. 8·4	mb. ‡8·7	
Hour. G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

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

Percentages at exact hours, Greenwich Mean Time.

203. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **July, 1927.**

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

204. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **August, 1927.**

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

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

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

Percentages at exact hours, Greenwich Mean Time.

205. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **September, 1927.**

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

206. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **October, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	83	87	88	87	88	89	92	95	99	98	99	99	100	89	90	83	77	88	81	81	88	84	84	89·0	10·4
2	92	87	87	92	97	97	98	99	99	100	99	92	78	83	77	74	74	76	76	80	79	76	74	75	86·1	8·9
3	74	71	79	82	80	77	70	69	66	67	63	65	68	66	67	71	82	80	87	83	88	91	94	96	76·1	7·1
4	92	100	96	95	95	95	95	82	86	78	75	71	68	59	60	62	79	79	84	87	91	98	95	98	84·1	7·2
5	98	93	93	93	93	93	93	94	86	79	70	58	53	64	68	73	80	84	88	88	91	91	92	92	83·7	8·3
6	93	91	92	92	92	93	95	95	96	93	87	85	79	83	81	90	89	95	94	95	95	89	89	86	90·5	12·0
7	88	90	83	87	87	88	87	75	67	56	69	58	42	37	37	51	78	77	83	84	84	88	86	87	**73·7**	9·4
8	86	89	87	88	97	93	87	90	86	92	93	91	87	90	89	89	91	92	93	92	93	95	96	95	90·7	10·6
9	91	92	91	89	91	91	92	93	87	82	82	82	82	83	86	80	87	88	88	87	96	86	98	98	88·4	10·6
10	100	97	95	100	100	92	92	93	93	78	81	76	70	68	79	92	94	100	96	98	99	98	99	99	91·2	9·0
11	98	98	97	97	99	100	99	94	93	85	81	80	83	81	83	87	88	88	87	88	88	88	88	94	90·3	9·0
12	97	97	90	90	96	97	96	90	93	91	87	85	83	89	86	86	89	88	88	85	87	88	88	91	90·0	8·7
13	94	90	93	93	93	93	88	74	79	80	79	86	89	91	89	82	87	85	89	92	91	93	93	93	88·1	10·1
14	89	88	89	92	91	85	89	79	87	87	88	89	87	89	86	83	87	91	92	89	90	94	93	86	88·5	9·9
15	93	88	90	96	87	94	93	96	91	79	79	85	86	87	87	88	87	81	93	93	96	85	82	81	88·3	9·2
16	82	84	83	78	79	85	85	85	83	81	87	95	88	94	88	89	88	89	89	90	92	87	86	86	86·3	9·7
17	86	88	89	83	82	79	84	91	89	88	80	79	79	81	75	70	67	72	73	76	81	78	75	81	80·3	9·0
18	83	82	72	80	76	76	80	81	78	65	62	64	74	62	71	73	77	83	82	86	86	86	90	87	77·2	7·3
19	87	86	86	86	86	86	88	84	84	90	85	70	77	87	86	81	85	85	83	88	84	75	75	79	83·6	7·6
20	74	76	87	88	86	90	90	91	81	78	60	57	60	65	64	71	76	81	84	93	95	95	95	96	80·2	**5·8**
21	96	96	96	95	95	95	95	95	91	83	83	82	75	70	75	74	84	92	82	82	88	92	90	90	87·5	6·2
22	87	88	91	91	94	91	93	93	92	93	93	92	88	92	88	88	86	89	94	92	86	88	88	88	90·3	9·6
23	88	88	86	86	88	91	90	84	82	76	76	76	72	71	70	79	81	93	91	91	88	88	91	84	83·8	8·1
24	89	89	88	87	93	92	96	91	96	86	85	83	74	80	89	94	99	98	99	96	98	99	99	98	91·3	9·1
25	99	96	98	99	98	98	97	96	99	96	97	97	99	99	98	96	99	99	99	98	99	99	97	89	**97·7**	**14·4**
26	93	93	93	90	89	88	94	94	96	98	98	95	93	92	90	93	90	89	90	94	95	95	95	97	92·9	12·6
27	96	96	97	98	95	83	79	79	72	80	79	80	76	79	75	82	86	92	89	87	87	88	88	87	85·6	10·9
28	88	88	83	81	94	92	92	95	94	88	93	92	92	95	97	93	96	93	89	82	99	94	95	83	91·3	11·1
29	85	89	83	73	79	71	67	69	70	74	80	75	67	64	69	81	89	88	93	96	93	92	91	91	80·2	9·3
30	96	98	99	95	97	95	99	98	99	99	98	99	96	96	97	95	95	98	99	97	95	95	94	96	96·8	13·2
31	88	90	91	88	88	88	94	94	93	80	83	80	75	63	66	72	75	82	85	100	89	86	86	87	84·5	9·5
Mean ...	89·9	89·7	89·4	89·4	**90·5**	89·5	89·9	88·2	87·2	83·9	82·9	81·2	**78·7**	79·3	79·4	81·6	85·4	87·2	88·6	89·3	**90·5**	89·8	89·9	89·5	86·7	†9·5
Vapour Pressure* ...	mb. 8·8	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·7	mb. 8·6	mb. **8·5**	mb. 9·0	mb. 9·6	mb. 10·1	mb. 10·3	mb. **10·3**	mb. 10·1	mb. 10·1	mb. 10·1	mb. 9·9	mb. 9·8	mb. 9·5	mb. 9·4	mb. 9·2	mb. 9·2	mb. 9·0	mb. 8·8	mb. 8·7	mb. ‡9·3	
Hour G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

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

Percentages at exact hours, Greenwich Mean Time.

207. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **November, 1927.**

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

208. Eskdalemuir : Louvred Hut : h_t = 0·9 metres. **December, 1927.**

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

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

HUMIDITY: ANNUAL MEANS FROM HOURLY VALUES.

For exact hours, Greenwich Mean Time.

209. Eskdalemuir : (Louvred Hut) h_i = 0·9 metres. **1927.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 88·2	% 88·5	% 89·0	% **89·0**	% 88·9	% 88·4	% 87·6	% 85·0	% 82·8	% 80·3	% 77·8	% 76·5	% 75·6	% **75·2**	% 75·7	% 77·2	% 79·0	% 81·3	% 83·3	% 85·0	% 86·6	% 87·0	% 87·4	% 87·8	% 83·5
Vapour Pressure (in millibars)* ...	mb. 7·8	mb. 7·7	mb. 7·7	mb. **7·7**	mb. 7·7	mb. 7·8	mb. 8·0	mb. 8·2	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·7	mb. **8·7**	mb. 8·7	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·0	mb. 7·9	mb. 7·8	mb. 8·2

* Computed from the mean temperature and mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

210. Eskdalemuir : (Louvred Hut) h_i = 0·9 metres. **1927.**

Month	Mean	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	88·1	+ 0·7	+ 1·3	+ 1·7	+ 1·8	+ 2·1	+ 2·0	+ **2·1**	+ 1·8	+ 1·9	+ 1·3	+ 1·0	− 0·4	− 0·4	− **3·5**	− 2·5	− 2·5	− 1·6	− 1·4	− 1·7	− 1·9	− 0·8	− 0·5	− 0·3	+ 0·1
Feb.	**90·0**	+ 2·3	+ 3·0	+ 3·0	+ 3·0	+ 2·5	+ 2·4	+ **3·1**	+ 2·1	+ 1·2	+ 0·8	− 2·3	− 5·1	− 5·9	− 5·9	− **6·0**	− 3·8	− 2·6	− 0·8	− 0·5	− 1·1	+ 1·3	+ 2·4	+ 2·4	+ 2·6
Mar.	83·4	+ 5·6	+ 5·0	+ 5·5	+ 6·7	+ 6·6	+ 6·7	+ **7·1**	+ 6·1	+ 2·5	− 1·5	− 7·4	− 8·4	−10·4	−11·2	**−13·5**	−11·7	− 6·8	− 3·5	+ 0·8	+ 2·5	+ 4·6	+ 4·5	+ 4·5	+ 5·6
April	78·2	+ 7·1	+7·3	+ **8·0**	+ 6·6	+ 6·2	+ 6·1	+ 5·5	+ 1·0	− 2·7	− 6·4	**−11·1**	−10·9	−10·0	− 9·8	− 8·8	− 8·4	− 5·5	− 3·0	+ 0·9	+ 3·4	+ 6·7	+ 5·3	+ 6·2	+ 6·4
May	75·1	+10·3	+10·6	+**11·6**	+11·5	+10·5	+ 9·2	+ 5·0	− 1·5	− 4·6	− 6·7	− 9·3	−10·4	−12·6	**−13·0**	−11·9	−10·4	− 8·9	− 4·3	− 1·4	+ 1·3	+ 4·1	+ 5·6	+ 6·9	+ 8·4
June	**74·9**	+ 9·7	+10·7	+10·5	**+10·7**	+ 9·0	+ 5·6	+ 2·1	− 3·4	− 4·3	− 5·7	− 6·8	− 9·3	−10·4	**−12·1**	− 9·5	− 8·2	− 7·6	− 4·8	− 3·5	+ 0·9	+ 4·4	+ 5·3	+ 7·9	+ 8·7
July	83·4	+ 6·9	+ 6·6	+ 6·8	+ **7·4**	+ 7·2	+ 5·9	+ 4·4	+ 1·3	− 1·7	− 3·6	− 6·6	− 7·2	− 8·1	− 9·9	**−10·3**	− 8·5	− 8·8	− 5·4	− 1·7	+ 1·8	+ 4·6	+ 6·3	+ 6·4	+ 6·3
Aug.	85·9	+ 6·1	+ 6·8	+ 7·5	+ 6·9	+ 7·4	+ **7·5**	+ 5·9	+ 3·1	− 1·8	− 5·7	− 8·9	**−11·8**	−11·0	−10·6	−10·0	− 7·8	− 5·9	− 4·5	+ 1·4	+ 3·2	+ 4·6	+ 5·3	+ 5·8	+ 6·5
Sept.	83·9	+ 3·3	+ 4·5	+ **6·2**	+ 5·6	+ 5·6	+ 5·7	+ 5·2	+ 3·1	− 1·1	− 5·2	− 7·3	− 8·5	**− 9·1**	− 9·0	− 8·6	− 6·7	− 4·6	+ 0·2	+ 2·1	+ 4·2	+ 3·9	+ 3·8	+ 3·7	+ 2·9
Oct.	86·7	+ 3·2	+ 3·0	+ 2·7	+ 2·7	+ **3·7**	+ 2·8	+ 3·2	+ 1·5	+ 0·5	− 2·8	− 3·8	− 5·5	**− 8·0**	− 7·4	− 7·3	− 5·1	− 1·3	+ 0·5	+ 1·9	+ 2·6	+ **3·7**	+ 3·1	+ 3·2	+ 2·8
Nov.	85·7	+ 1·5	+ 1·4	+ 1·7	+ 1·8	+ 1·9	+ 1·8	+ **3·1**	+ 2·5	+ 1·9	− 1·5	− 3·8	− 4·3	**− 6·5**	− 5·0	− 2·4	− 1·0	− 0·1	+ 1·2	+ 0·6	+ 0·2	+ 1·1	+ 1·0	+ 1·3	+ 1·7
Dec.	86·5	− 0·1	+ 0·9	+ 1·6	+ **2·5**	+ 2·2	+ 2·2	+ **2·5**	+ 1·4	+ 0·4	− 0·5	− 1·2	− 1·7	− 2·1	− **2·2**	− 1·8	− 0·9	− 0·2	− 0·4	− 0·5	− 0·5	− 0·9	− 0·1	− 0·4	− 0·4
Year.	83·5	+ 4·7	+ 5·0	+ 5·5	+ **5·5**	+ 5·4	+ 4·9	+ 4·1	+ 1·5	− 0·7	− 3·2	− 5·7	− 7·0	− 7·9	− **8·3**	− 7·8	− 6·3	− 4·5	− 2·2	− 0·2	+ 1·5	+ 3·1	+ 3·5	+ 3·9	+ 4·3

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

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

211. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **1927.**

Hour G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm. 64·6	mm. 61·2	mm. 79·3	mm. 68·4	mm. 85·6	mm. 65·2	mm. 73·9	mm. 76·4	mm. 56·3	mm. 56·2	mm. 61·7	mm. **52·6**	mm. 53·3	mm. 87·4	mm. 82·4	mm. 101·1	mm. **109·6**	mm. 95·9	mm. 80·5	mm. 66·0	mm. 68·0	mm. **73·2**	mm. 57·1	mm. **71·7**	mm. 1747·6
Duration	hr. 50·6	hr. 49·0	hr. 57·3	hr. 55·6	hr. 61·4	hr. 57·5	hr. **65·5**	hr. 62·9	hr. 49·5	hr. 46·6	hr. 52·3	hr. 44·0	hr. 45·8	hr. 49·4	hr. 53·7	hr. 63·2	hr. 60·1	hr. 62·6	hr. 58·1	hr. 55·9	hr. 55·8	hr. 51·9	hr. **42·8**	hr. 51·7	hr. 1303·2

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

NOTES ON RAINFALL.

212. Eskdalemuir. **1927.**

Rainfall Duration.—There were 115 days on which no duration of rainfall was registered. There were 48 days on which the duration of rainfall was registered as 0·1 hour to 1·0 hour, 32 days with 1·1 to 2·0 hours, 75 days with 2·1 to 6·0 hours, 77 days with 6·1 to 12 hours, and 18 days with more than 12 hours. The day with the greatest duration was September 21st, when the duration was 23·8 hours, the amount falling being 24·6 mm.

Notable Falls of the Year.

(*a*) The greatest amount in a 60-minute period was 15·0 mm., which was recorded between 17h. and 18h., June 18th. On this day 9 mm. of rain fell in 9 minutes. On April 5th 5 mm. fell in 9 minutes, while on July 10th, 5 mm. fell in 6 minutes. Falls of 5 mm. in less than one hour occurred on 26 days.

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

Date.	Amount. mm.	Duration. hrs.
June 16th	27	10·9
September 20th—21st	33	32·6
September 22nd	42	10·8
September 28th—29th	53	12·3
November 1st—2nd	46	22·7
November 2nd—3rd	32	13·2

Wet Periods.

(*a*) There were two " rain spells " (*i.e.*, periods of fifteen or more consecutive days on each of which 0·2 mm. or more of rain fell), viz., January 2nd to January 16th, and February 19th to March 8th.

(*b*) There were no " wet spells " (*i.e.*, periods of fifteen or more consecutive days on each of which 1·0 mm. or more of rain fell). The period June 16th to July 1st failed to classify as a " wet spell " in having only 0·1 mm. on June 27th.

Dry Periods.

(*a*) There were no periods of " absolute drought " (*i.e.*, fifteen or more consecutive days on each of which less than 0·2 mm. of rain fell), or of " partial drought " (*i.e.*, twenty-nine or more consecutive days, the mean rainfall of which did not exceed 0·2 mm. per day).

(*b*) Two relatively dry periods were June 5th to June 15th, and October 3rd to October 14th, during which 0·6 mm. and 1·1 mm. fell respectively.

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, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0 5
2	...	...	...	...	·2	...	...	·1	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	1·0	1·5	2·8
3	2·7	2·0	1·5	·7	·9	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	·2	·3	...	...	10·2	5·8
4	...	...	·1	·2	·3	...	...	...	...	(·1)	(·2)	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	1·0	2·5
5	...	...	...	·5	·7	1·3	2·0	·6	·5	...	·1	·3	·2	...	·2	·5	·8	...	...	...	...	...	...	...	7·7	6·5
6	...	...	·2	·4	1·2	·7	1·0	·2	...	...	...	...	...	...	...	...	·2	1·3	·7	...	1·8	...	...	...	7·7	6·8
7	...	...	...	...	...	...	...	...	...	2·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·3
8	...	...	...	...	...	·1	·2	...	·9	·7	1·0	·9	1·5	2·2	3·4	2·1	·3	...	...	...	·2	...	...	...	13·5	9·5
9	...	...	...	...	...	...	...	...	...	1·6	·8	·1	·1	...	...	...	...	...	...	·1	·2	...	·6	·3	3·8	5·1
10	·3	·2	·4	·3	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	5·5
11	...	...	·2	...	...	·3	...	·1	·4	·5	·7	...	...	·2	1·0	1·9	1·9	1·4	...	...	·3	1·9	...	1·5	12·3	10·2
12	1·6	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·3	3·0	3·6	3·2	4·5	·6	·4	2·4	1·7	·8	**23·5**	10·2
13	·8	·5	·6	·2	·6	·6	·6	·2	...	...	...	...	·1	·1	·1	·2	·1	·1	·1	...	...	...	...	·1	5·0	**13·5**
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·2	...	...	0·3	1·0
15	...	...	·2	·1	·8	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·9
16	...	...	...	...	...	...	...	...	...	...	·1	(·1)	(·1)	(...)	·1	...	...	...	...	...	...	...	...	...	0·4	1·2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	·9	2·0	·9	...	...	·1	...	...	...	...	...	...	(...)	(·1)	(...)	(·1)	(...)	(·1)	...	...	...	...	...	...	4·2	3·2
22	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	0·7	1·4
23	...	...	...	...	...	...	...	...	...	...	·4	·3	1·2	·1	...	...	...	...	...	...	2·0	...	...	...	4·0	1·9
24	...	...	...	...	...	·3	·7	·4	·1	...	...	...	...	...	...	...	·2	1·3	1·8	1·9	3·9	4·0	3·9	2·9	21·4	9·2
25	2·2	·1	...	...	...	...	·6	1·0	2·1	·1	...	...	...	...	·4	·2	2·8	...	...	...	·8	5·6	·6	...	16·5	8·0
26	...	...	...	...	...	(·2)	·1	...	...	...	·8	1·9	1·0	1·2	...	...	·6	·4	2·8	·7	·7	·1	...	...	10·5	10·2
27	...	3·2	·3	...	·2	...	2·6	2·9	·7	...	·3	...	...	...	...	...	...	...	...	...	...	...	1·3	5·0	16·5	6·2
28	3·9	2·5	1·2	...	...	...	...	...	...	·5	·6	3·7	1·4	·2	...	...	...	...	...	...	...	...	...	...	14·0	7·0
29	...	...	·1	...	(2·5)	(2·5)	(2·4)	(·5)	(·3)	1·1	1·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	11·3	7·1
30	...	·8	·6	...	...	...	...	...	...	...	...	·5	1·1	...	...	...	...	·4	1·8	·7	·2	...	...	...	6·1	5·4
31	·6	·2	...	...	·2	·6	·1	2·7	...	·5	·3	...	·1	·3	...	·3	...	...	...	...	...	·8	·8	...	7·5	6·8
Sum.	13·0	11·5	6·4	2·4	7·7	6·8	10·3	8·7	5·0	7·6	7·4	8·4	7·0	4·9	6·6	8·3	10·6	10·2	11·7	4·2	11·0	**15·7**	9·5	12·6	207·5	155·1
Total Duration.	hr. 6·4	hr. 7·8	hr. **9·1**	hr. 4·2	hr. 8·4	hr. 7·3	hr. 7·1	hr. 7·6	hr. 4·5	hr. 6·8	hr. 8·6	hr. 6·3	hr. 5·5	hr. 4 6	hr. 4·8	hr. 5·3	hr. 7·1	hr. 7·6	hr. 5·1	hr. 4·2	hr. 7·9	hr. 6·8	hr. 5·9	hr. 6·2	hr. 155·1	

214. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **February, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	1·6	1·4	·9	1·2	1·6	·6	·5	·4	·7	1·6	1·1	·5	·4	·4	·2	...	...	...	...	...	1·0	1·0	3·5	4·1	**22·7**	**18·3**
4	3·1	·5	2·7	...	...	...	·3	·1	...	·2	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	7·5	3·4
5	...	...	...	...	...	...	...	...	...	·2	·3	·6	1·2	2·2	3·0	3·0	1·9	1·0	·1	...	...	...	...	...	13·5	8·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	0·3	0·4
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	0·1	0·1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·0	·4	·9	·3	·1	3·2	4·5
14	·1	...	...	...	...	...	...	(·1)	(≡)	...	(≡)	(·1)	(≡)	(·1)	(≡)	(·1)	(≡)	(·1)	(≡)	(·1)	...	...	...	...	0·7	0·3
15	...	...	(≡)	·2	(·1)	·2	...	(≡)	(≡)	(·1)	(≡)	(·1)	(≡)	(≡)	(·1)	(≡)	(≡)	(·1)	(≡)	(≡)	(·1)	(≡)	(≡)	...	1·0	1·7
16	...	...	(≡)	(≡)	(·1)	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·1	·2	·2	·6	·4	·2	·2	·3	2·9	9·3
20	·1	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·8	3·1
21	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	·1	·4	·4	...	...	...	...	...	...	1·1	3·7
22	...	...	·8	1·2	1·5	·7	·1	2·6	·4	...	...	...	...	...	·3	1·7	1·2	·4	·3	·4	·2	·1	...	·3	12·2	11·3
23	·2	·1	1·0	...	·1	...	...	...	...	...	...	...	...	·5	·6	·4	·9	...	...	...	...	...	...	...	3·8	5·1
24	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·6	·7	1·9	1·7
26	1·6	...	·4	·2	1·1	·5	...	·5	·3	...	·4	·6	·7	...	·3	...	...	...	...	·1	1·2	1·4	·3	·1	9·7	10·2
27	...	...	...	...	...	...	...	(·1)	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
28	...	·2	...	·1	...	...	...	·4	·5	·6	·2	...	·2	·4	·1	·1	...	...	...	...	·1	·8	1·0	...	4·7	7·0
Sum.	**6·7**	2·2	5·8	2·9	4·5	2·4	1·2	4·5	1·9	2·7	2·0	1·9	2·6	3·6	4·9	6·4	4·6	2·3	1·1	2·2	3·5	5·2	5·9	5·6	86·6	89·0
Total Duration.	hr. 4·4	hr. 2·2	hr. 3·4	hr. 3·9	hr. 3·1	hr. 4·1	hr. 3·3	hr. 4·1	hr. 3·2	hr. 2·1	hr. 2·9	hr. 2·7	hr. 3·2	hr. 3·3	hr. 3·9	hr. 4·4	hr. 5·1	hr. 3·6	hr. 2·7	hr. 3·3	hr. 4·8	hr. **6·3**	hr. 4·4	hr. 4·6	hr. 89·0	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

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, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	·4	·2	·1	...	...	·4	...	...	...	...	...	...	...	...	...	·9	·6	·4	...	...	...	3·0	5·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	2·8	3·9	·5	1·3	·2	1·8	·6	·2	1·2	**15·7**	8·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	0·5	1·9
4	·2	1·0	3·5	1·8	1·3	·6	1·2	1·9	2·6	·2	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	14·7	9·7
5	...	...	...	...	...	·1	1·4	·5	·2	·4	1·0	...	...	...	...	...	...	...	·1	...	...	...	...	...	3·7	4·9
6	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	**0·4**	1·1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	1·5	1·1	1·0	·7	4·4	4·3
8	1·5	·3	·5	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·1	·2	...	...	3·5	5·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	·2	...	...	...	...	...	0·7	0·4
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·2	0·4
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·5	...	1·4	2·6	**3·3**
16	·2	·3	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	0·4	0·8
19	...	...	...	·1	·9	·5	·3	·3	·1	·3	·8	1·3	·8	·3	·2	·1	...	·1	...	·1	·8	·5	1·3	·6	9·4	**16·6**
20	1·1	·8	·1	·1	·1	·1	·1	·2	·4	·3	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	4·0	10·4
21	...	...	...	...	...	(·1)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
22	...	...	...	·3	·4	·1	·6	·6	...	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	4·7
23	...	...	...	2·4	2·6	2·9	·9	·1	...	...	...	...	...	3·0	1·6	1·0	·2	·1	...	...	...	...	...	·3	15·1	9·0
24	...	...	...	...	...	·2	...	...	...	...	...	...	·2	...	...	...	·6	...	...	...	...	...	...	...	1·0	1·3
25	...	...	·9	·2	·3	...	...	...	...	...	...	·7	·7	1·9	1·7	·5	1·0	·8	1·1	2·1	·5	·1	...	...	12·5	11·8
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·2	·1	...	...	...	1·3	1·6
27	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
28	...	·1	1·9	1·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	2·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	·2	·3	1·2	3·1
30	...	2·8	1·1	2·6	·2	·3	·6	·1	...	·2	·5	·6	...	·2	·1	...	...	...	...	...	...	...	...	...	9·3	7·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·0	5·3	8·0	**9·9**	6·3	5·0	5·1	3·7	3·7	2·3	3·3	3·0	1·9	5·7	6·8	4·4	6·3	1·7	4·6	3·5	**6·5**	3·2	2·8	4·9	110·9	**116·1**
Total Duration.	hr. 3·1	hr. 4·6	hr. 5·3	hr. **8·2**	hr. 8·0	hr. 6·7	hr. 6·1	hr. 6·4	hr. 3·8	hr. 4·6	hr. 4·0	hr. 3·5	hr. 3·2	hr. 3·9	hr. 4·0	hr. 3·7	hr. 3·5	hr. 3·1	hr. 3·5	hr. 4·9	hr. 7·4	hr. 5·2	hr. 3·7	hr. 5·7	hr. 116·1	

216. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **April, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·6	...	...	...	...	...	...	...	5·6	0·4
2	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	·4	1·1	...	...	...	...	·6	·3	·5	·1	5·0	6·3
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	3·8	3·7	3·7	1·5	·1	...	...	15·8	5·3
5	...	...	...	...	2·1	·1	...	...	·1	...	...	...	·2	6·2	...	...	...	1·3	2·3	...	...	...	...	...	12·3	3·8
6	...	...	...	...	...	...	(≡)	...	(≡)	...	...	...	...	·1	...	·2	...	...	...	...	...	·3	...	·1	0·7	1·1
7	...	...	...	·3	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	·5	...	...	...	...	1·1	1·3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	0·5	0·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·2	0·3	0·7
10	·1	·1	·6	·4	·5	...	·2	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	4·9
11	...	...	...	...	...	...	1·1	1·6	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·7	2·8
12	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	·2	·1	...	...	...	...	...	...	0·6	1·6
13	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	·3	·5	·9	·9	·9	·6	1·0	1·3	1·9	2·2	10·8	**11·9**
14	1·7	·8	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·6	...	1·2	·1	...	...	...	...	...	6·2	3·6
15	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	...	·1	...	...	...	...	...	...	...	...	0·9	0·9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	(...)	(·1)	...	(...)	(·1)	·1	·1	...	0·5	1·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	...	·8	...	...	1·5	2·6
19	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·6
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	...	·3	0·9	2·0
21	·1	...	·1	·4	...	...	...	...	...	...	...	...	...	·2	·9	·4	·2	·1	·2	...	...	...	...	...	2·6	5·2
22	...	...	...	...	...	...	...	...	...	·3	·5	·8	2·1	1·7	3·3	2·6	·7	·2	...	·2	1·6	1·8	·2	2·1	**18·1**	11·2
23	·1	·5	...	...	...	...	...	...	·2	·5	·1	...	·1	...	·3	...	...	...	·2	·2	·3	·2	·3	·1	3·1	6·9
24	...	...	...	...	...	...	...	...	...	...	...	·5	·8	1·0	1·5	·5	·2	...	...	...	·5	...	...	...	5·0	5·8
25	...	...	...	...	...	·1	·4	1·2	1·3	1·5	·7	·7	·4	·2	·1	...	...	...	...	...	...	...	...	...	6·6	7·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	·5	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·1
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·3	·1	·2	1·0	...	...	...	...	2·2	2·7
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	2·3	1·4	0·7	1·1	2·6	0·2	1·8	3·1	3·2	2·5	3·6	2·6	4·2	9·6	7·6	7·7	**11·1**	7·9	8·2	6·9	5·6	5·4	3·0	5·1	107·4	92·1
Total Duration.	hr. 3·2	hr. 2·2	hr. 1·3	hr. 1·6	hr. 1·3	hr. 0·8	hr. 3·1	hr. 2·9	hr. 3·5	hr. 2·3	hr. 3·7	hr. 3·7	hr. 3·4	hr. 4·3	hr. 5·5	hr. 6·3	hr. 5·4	hr. 6·2	hr. 5·0	hr. 5·7	hr. 5·1	hr. **6·5**	hr. 3·9	hr. 5·2	hr. 92·1	
Hour. G.M.T.	3·2	2·2	1·3	1·6	1·3	0·8	3·1	2·9	3·5	2·3	3·7	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	**0–24**	

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

217. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **May, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·6	2·9	2·1	1·4	·1	1·6	·3	·3	11·6	6·9
3	·9	·7	·1	...	...	...	...	...	...	...	...	·8	1·3	·9	·9	·8	·8	2·2	1·8	2·4	1·7	·4	·3	·1	16·1	14·3
4	·6	1·0	3·1	1·2	2·2	·7	·2	...	·5	·2	·3	...	·3	·8	·6	2·2	2·9	1·8	1·4	·4	...	...	...	...	**20·4**	15·7
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·5
14	·5	·6	·3	·6	·8	·9	·8	·8	·1	·3	4·3	·3	·5	·8	·5	2·4	·8	·6	·3	...	...	...	...	...	16·2	**16·2**
15	...	...	...	...	...	...	...	...	...	2·2	...	·1	...	...	...	...	·1	...	...	...	...	...	...	...	2·4	1·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	7·2	4·4	·8	·4	...	...	...	...	18·0	4·4
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	·3	·7	·1	1·3	·7	·7	1·3	1·2	·2	...	...	...	...	...	6·5	8·5
21	...	...	·2	·2	·2	·3	1·0	·4	1·1	...	...	...	...	1·2	·1	...	...	...	·2	·5	...	...	...	...	5·4	8·3
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	·3	·4	...	...	...	...	·1	...	...	...	...	...	...	0·8	1·5
24	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·1	0·3
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	2·0	2·3	3·7	2·0	3·2	1·9	2·2	1·2	1·7	2·7	4·9	2·2	2·6	5·0	2·8	12·6	**14·7**	13·3	6·8	5·2	1·8	2·0	0·6	0·5	97·9	78·3
Total Duration.	hr. 3·0	hr. 2·9	hr. 2·7	hr. 2·5	hr. 2·7	hr. 2·8	hr. 3·2	hr. 1·7	hr. 2·5	hr. 1·4	hr. 2·6	hr. 2·8	hr. 4·1	hr. 4·5	hr. 4·2	hr. 5·4	hr. 6·3	hr. **6·6**	hr. 6·1	hr. 4·6	hr. 1·1	hr. 2·0	hr. 1·4	hr. 1·2	hr. 78·3	

218. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **June, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	1·2	2·1	·6	·8	·4	...	·2	·7	·1	...	...	...	...	...	·1	...	...	...	...	...	6·2	6·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	·2	·3	·6	...	3·2	...	...	...	...	...	...	...	...	...	4·3	1·8
4	...	...	...	...	...	...	...	...	...	1·1	...	·9	·2	·6	...	...	...	·4	...	...	...	...	...	...	3·2	3·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·2	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	1·7	3·4	4·9	3·2	3·1	2·9	1·4	1·4	2·6	1·3	26·5	11·2
17	·6	...	...	...	...	·1	·1	·1	2·2	·6	·2	...	...	...	...	...	...	·5	1·5	...	...	...	...	...	5·9	5·4
18	·2	·3	·1	·2	·1	·2	·4	...	...	...	·4	·1	...	1·7	1·7	1·1	2·3	15·0	2·3	1·3	...	...	...	...	**27·4**	8·9
19	...	...	...	...	...	...	·4	...	...	...	1·1	·7	...	...	·3	·2	·1	...	...	...	...	...	...	...	2·8	3·2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	·3	·3	·8	1·5	3·2
21	·8	·3	...	...	·4	1·8	·1	·3	·6	2·4	·2	·2	·6	·1	...	...	...	...	...	...	...	...	...	...	7·8	7·3
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·8	4·6	2·4	3·0	2·5	2·8	·5	...	·1	18·1	7·6
23	...	·2	·3	·3	·2	·1	...	...	...	·6	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·3
24	·8	1·3	1·1	1·3	1·5	1·2	1·4	1·6	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	11·0	8·9
25	...	...	...	...	...	...	...	...	·4	1·0	2·5	3·3	2·5	2·2	1·2	·4	·7	...	1·4	2·5	·2	...	·2	·8	19·3	**12·1**
26	·2	·2	·2	·1	·5	·2	·2	...	...	...	...	...	...	...	(·2)	...	...	...	...	...	...	...	...	...	1·8	5·6
27	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
28	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	2·7	·1	·2	...	·4	6·8	4·0
29	1·4	3·6	1·2	·6	·1	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	7·0	4·6
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·3	...	·2	·2	1·1	2·1
Sum.	4·0	5·9	3·3	2·5	4·0	6·0	3·2	2·8	4·0	5·8	5·3	6·3	4·2	5·0	8·7	7·0	12·6	**21·2**	13·5	13·7	4·9	2·4	3·6	3·6	153·5	99·4
Total Duration.	hr. 4·6	hr. 4·8	hr. 3·7	hr. 3·6	hr. 4·9	hr. 5·0	hr. 3·6	hr. 2·9	hr. 4·0	hr. 4·3	hr. 4·6	hr. 3·8	hr. 4·6	hr. 3·4	hr. 3·7	hr. 4·0	hr. 4·4	hr. 3·7	hr. 5·4	hr. **5·6**	hr. 3·7	hr. 2·9	hr. 3·2	hr. 5·0	hr. 99·4	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

219. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **July, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	·7	·2	·3	1·2	2·3	·6	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	5·7	5·1
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	·4	·6	·9	1·1	1·0	·8	·4	1·2	·2	2·2	·8	·3	·1	…	…	…	…	…	…	…	…	10·0	10·9
5	·4	…	·6	·1	…	…	…	·4	·2	2·0	2·3	·7	2·1	11·1	3·5	1·3	…	…	…	…	…	…	…	…	**24·7**	10·0
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	…	1·1	1·5	2·1	1·5	3·3	1·0	1·4	1·5	·9	·4	·4	·4	…	·1	·5	·3	·1	…	…	…	16·5	**13·1**
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	5·6	8·1	…	…	13·7	1·0
11	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·5
12	·3	·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	1·3
13	…	…	…	…	…	…	…	…	…	…	(·1)	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·5
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	7·0	…	…	…	…	…	…	…	…	7·0	0·8
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
16	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	…	…	…	…	…	…	…	(·1)	…	…	…	…	·1	…	…	·2	·4	·5	·6	·5	1·5	·6	·3	…	4·8	7·3
21	…	·5	·1	2·0	1·1	·6	3·7	1·3	·4	…	1·6	·2	…	·5	·2	…	…	…	…	…	…	…	…	…	12·2	8·7
22	…	…	…	…	…	…	…	…	…	·5	·5	1·3	·9	·4	…	…	…	…	…	…	…	…	…	…	3·6	2·5
23	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
24	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	0·3
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·1	3·1	1·0
26	·4	…	·2	·1	…	…	·4	·8	·1	·3	·2	·6	·4	…	…	…	…	…	…	…	…	…	…	…	3·5	6·8
27	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	3·9	·1	1·2	1·5	·5	·1	·2	·2	…	7·8	6·2
28	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·4
29	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
30	·1	·9	·2	…	…	·6	·7	·1	·1	…	…	…	2·4	1·6	1·2	1·1	…	·3	·9	…	…	…	…	·2	10·4	7·4
31	1·0	2·4	·9	·2	1·1	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·5	6·7	5·1
Sum.	2·6	4·9	2·2	3·4	5·1	6·5	8·6	5·4	4·9	4·3	7·3	4·5	9·0	**14·8**	5·6	14·0	0·5	2·1	3·5	1·3	7·3	8·9	0·5	3·8	131·0	88·9
Total Duration.	hr. 5·0	hr. 4·1	hr. 3·8	hr. 4·8	hr. 4·2	hr. 4·5	hr. 5·0	hr. **5·4**	hr. 3·9	hr. 4·3	hr. 5·1	hr. 4·3	hr. 4·8	hr. 3·6	hr. 4·1	hr. 4·9	hr. 1·1	hr. 2·2	hr. 3·4	hr. 3·0	hr. 2·1	hr. 2·3	hr. 1·5	hr. 1·5	hr. 88·9	

220. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **August, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	nm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	1·3	1·3	·4	2·5	·4	·5	2·0	·8	…	…	…	·4	·7	·2	…	…	…	…	…	…	…	…	…	…	10·5	8·5
2	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·2	…	…	…	…	·1	·1	…	…	…	0·6	1·9
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
5	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	·1	·3	3·4	5·3	1·7	3·9	2·0	1·3	…	·1	1·5	2·6	·9	…	1·5	1·4	…	…	…	…	…	…	…	26·0	10·3
8	…	…	…	…	…	…	…	…	…	…	…	…	·4	3·6	5·3	1·3	3·1	2·7	1·5	2·5	·2	…	·1	…	20·7	7·9
9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	6·0	1·1	·1	·3	…	·1	…	…	7·6	2·5
10	…	…	…	…	…	…	·3	2·7	1·9	…	…	…	…	…	·1	·6	1·2	7·7	1·8	5·4	·8	·7	·2	…	23·4	7·5
11	…	…	·1	·2	…	…	…	…	…	…	…	·1	·1	1·8	…	…	…	…	…	…	…	…	…	…	2·3	1·6
12	…	…	…	·1	2·3	·1	…	…	…	…	…	…	…	…	…	…	·1	·3	…	·2	…	·1	…	…	3·2	3·1
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·5	…	0·5	0·3
14	…	·3	1·6	2·9	2·9	·3	·4	…	·1	…	…	…	1·8	5·8	5·3	7·6	·9	·1	3·0	·2	·6	·4	·3	·4	**34·9**	**12·4**
15	…	…	…	…	…	·1	·3	1·8	…	1·7	·1	·2	·1	·2	…	…	…	…	·3	·2	…	…	…	…	5·0	5·6
16	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	0·3	1·0
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·3	·5	·7	·6	·4	…	…	2·7	5·6
19	1·5	·7	·2	·1	·3	…	…	…	…	…	…	…	…	·4	…	·1	…	…	…	…	…	…	…	…	3·3	3·9
20	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·6	·4	…	…	…	…	…	3·8	·3	5·1	3·0
21	…	…	…	…	…	…	…	·3	…	·3	2·7	…	…	·6	·1	·7	·6	·1	·3	·2	2·0	7·3	·8	2·3	18·3	7·4
22	1·3	·2	1·0	2·6	…	2·1	·4	·3	…	·2	…	…	…	2·2	…	…	…	…	**·1**	·4	·4	1·9	·1	…	13·2	**9·4**
23	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·6	…	…	…	…	…	…	…	…	…	0·7	0·8
24	(≡)	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	…	…	…	…	…	…	…	…	…	…	…	·8	1·5	…	…	…	…	2·4	0·7
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·5	·3	…	…	…	…	…	…	0·8	1·6
27	…	…	…	…	·3	4·1	·5	1·0	·6	1·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	7·8	5·3
28	…	·5	·5	1·2	·5	·1	1·3	1·7	·5	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	6·5	8·2
29	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
30	…	…	(≡)	(≡)	(·1)	(≡)	(≡)	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	…
31	·2	·4	·9	·4	2·0	1·3	·4	·1	…	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	5·9	6·7
Sum.	4·3	3·5	5·0	13·5	14·1	10·3	9·5	10·7	4·6	3·7	3·1	2·2	5·7	**16·0**	11·6	12·6	14·5	12·8	8·7	11·6	4·5	10·5	5·8	3·0	201·8	115·2
Total Duration.	hr. 2·8	hr. 4·6	hr. 5·7	hr. 6·6	hr. 6·7	hr. 6·6	hr. **7·5**	hr. 6·9	hr. 4·2	hr. 2·4	hr. 1·9	hr. 2·4	hr. 3·0	hr. 5·3	hr. 3·1	hr. 6·0	hr. 6·7	hr. 5·3	hr. 6·3	hr. 7·0	hr. 5·1	hr. 3·6	hr. 3·4	hr. 2·1	hr. 115·2	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

221. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **September, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·3	·2	·2	·4	·1	...	...	...	...	...	·2	·5	...	·8	·7	...	...	...	...	...	3·4	6·8
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	·4	·8	1·0	...	...	...	...	...	...	...	...	...	2·4	1·9	1·7	...	·1	...	·3	8·6	6·1
7	·4	1·4	2·0	·1	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·6	4·3
8	...	...	...	...	...	...	·2	·6	1·4	·6	·3	·4	·9	·8	·5	·3	1·0	·5	2·2	1·2	1·5	·3	...	...	12·7	15·3
9	·3	·3	·8	1·7	·4	·4	·9	·2	...	...	...	...	...	...	...	1·6	·2	...	...	...	...	...	...	...	6·8	8·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	·1	...	...	1·0	1·5	...	·1	·2	...	...	4·3	3·3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·2	·2	0·7	3·3
14	·1	·2	·3	·9	1·9	1·3	·8	·9	·1	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	6·9	8·5
15	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	2·1	1·5	...	...	...	4·1	3·7
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	(...)	(...)	(·1)	(...)	5·1	5·3	1·4
18	2·8	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	1·5
19	...	...	...	...	...	·4	·6	·5	·9	·4	·3	...	·2	2·5	5·0	·6	...	...	...	...	...	...	...	...	11·4	8·1
20	...	...	·4	...	...	·1	·2	·1	...	...	·3	...	...	...	·2	·6	1·3	·5	·8	·5	·4	·6	2·2	2·0	10·2	12·0
21	1·4	·9	·9	·6	·7	·8	·2	·3	1·3	1·5	1·0	·8	1·3	·9	1·5	2·0	·8	·6	·8	·3	1·5	2·4	1·7	·4	24·6	**23·8**
22	2·4	1·9	5·9	5·2	6·8	4·2	6·1	4·7	2·9	1·6	1·8	·6	·1	·1	·3	...	...	...	...	...	...	·1	·1	·1	44·9	13·6
23	·3	·8	1·3	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	3·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	0·5	0·9
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·8	...	·2	...	...	...	...	...	2·3	2·3
26	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	·1	...	...	...	...	·3	·1	...	1·0	1·3
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	·2	·2	·2	...	...	...	...	...	...	...	...	...	·2	·1	·2	·1	·7	1·3	·4	·3	2·6	5·8	12·3	9·3
29	2·6	5·0	6·9	7·5	9·7	2·8	2·2	2·8	3·8	·6	·1	...	...	2·8	...	1·2	·1	...	·1	...	...	...	...	...	**48·2**	11·9
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·7	3·5	·8	1·6	·1	·2	...	...	·1	7·7	6·9
Sum.	10·3	10·5	19·2	17·1	**20·0**	10·6	12·4	11·5	11·2	5·2	3·8	1·8	2·5	8·5	8·8	8·9	8·1	7·9	10·7	7·2	5·6	4·4	6·9	14·0	227·1	156·1
Total Duration.	hr. 6·8	hr. 6·3	hr. 8·0	hr. 7·7	hr. 6·6	hr. 7·3	hr. **10·2**	hr. 8·9	hr. 6·4	hr. 5·1	hr. 4·3	hr. 2·7	hr. 2·6	hr. 4·5	hr. 7·1	hr. 8·4	hr. 6·6	hr. 9·5	hr. 8·6	hr. 6·8	hr. 5·6	hr. 5·5	hr. 4·6	hr. 6·0	hr. 156·1	

222. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **October, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	·3	·8	2·6	2·3	2·1	1·6	·6	·4	·2	·1	...	...	...	...	...	...	...	...	...	11·0	7·9
2	...	...	·3	·1	1·1	1·9	2·6	5·6	2·0	3·2	3·7	1·5	·2	...	...	...	...	...	...	...	...	...	...	...	22·2	9·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	·1	·1	0·9	1·7
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·2	0·4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·4	·4	...	...	2·8	2·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	·2	·6	·1	...	...	·3	·3	...	...	2·6	4·9
17	...	...	·2	...	·1	...	...	...	·3	·1	·3	·1	·1	...	...	...	...	...	...	...	...	...	...	...	1·2	3·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	·2	...	·3	·1	1·4	3·0	·6	·4	·2	...	...	·9	·1	...	...	...	...	...	...	...	...	...	7·2	6·0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·4	·5	·9	·7	1·4	1·4	2·5	8·2	7·6
22	2·9	2·8	2·9	1·4	·2	...	...	·5	·9	1·4	1·9	1·5	·7	·9	·5	·7	·7	·6	...	...	...	...	·1	·1	20·7	15·8
23	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
24	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	1·3	1·9	1·8	1·2	1·0	2·7	·9	1·2	2·8	15·2	9·6
25	1·2	·4	·1	·4	·9	·5	·7	1·0	·2	1·2	·2	·2	·4	1·5	4·8	·8	...	·9	1·4	·6	2·4	4·2	2·6	3·7	30·3	**19·0**
26	·4	·1	...	·2	...	...	...	·2	·1	·4	·3	1·3	2·5	1·4	3·0	...	...	...	...	...	...	...	...	·1	10·0	6·1
27	1·2	2·5	5·6	2·9	3·7	·8	...	...	...	...	...	...	...	...	·2	·5	5·1	1·3	...	1·9	·1	...	...	...	25·8	8·0
28	...	...	...	...	...	...	...	...	...	·5	·8	1·1	·8	·1	1·5	1·7	4·1	·8	1·6	1·7	6·4	4·4	5·3	2·4	**33·2**	13·0
29	...	1·5	·8	·1	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	2·6
30	·1	·9	·1	...	...	...	...	·2	·5	·3	1·4	3·0	·5	...	1·0	·4	·2	·1	·5	·8	·2	...	...	...	10·2	10·8
31	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
Sum.	5·9	8·2	10·2	5·1	6·3	3·6	5·9	13·1	6·9	9·6	10·6	9·4	6·3	5·2	12·3	5·6	13·0	6·0	5·2	7·9	**14·2**	11·6	10·7	11·7	204·5	128·7
Total Duration.	hr. 3·1	hr. 5·3	hr. 5·9	hr. 3·8	hr. 4·6	hr. 3·0	hr. 4·4	hr. 5·5	hr. 5·3	hr. 6·6	hr. **7·9**	hr. 6·9	hr. 5·7	hr. 5·1	hr. 7·4	hr. 5·2	hr. 5·4	hr. 5·6	hr. 4·5	hr. 5·3	hr. 6·7	hr. 5·6	hr. 4·7	hr. 5·2	hr. 128·7	
Hour. G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

223. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height receiving surface above ground) = 242·0 metres + 0·4 metres. **November, 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	0–24	Duration. 0–24
Day	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	·2	2·3	2·7	2·6	4·8	2·5	4·1	5·1	2·5	1·7	·9	·6	·5	·5	1·4	32·4	**14·5**
2	1·1	1·5	4·1	1·6	2·2	1·4	1·1	·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	14·1	8·7
3	·9	2·1	5·5	1·9	4·3	4·1	1·8	3·3	1·8	1·3	2·5	1·0	1·2	·6	...	...	...	...	...	...	...	...	·6	·3	**33·2**	14·0
4	3·5	...	1·4	·4	...	·4	2·2	·5	·3	·4	·8	...	...	...	...	...	...	...	...	...	...	...	...	·2	10·1	5·3
5	...	...	·2	·6	·5	·3	·2	·2	·2	2·4	1·7	2·6	·3	·3	1·2	1·3	·1	·7	...	...	...	...	...	...	12·8	9·7
6	...	...	·2	·2	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·7	3·3
7	·9	...	...	...	...	...	...	...	(*°)	...	(...)	(·1)	...	...	...	...	...	(*°)	...	...	...	...	...	...	1·0	0·8
8	...	...	...	...	...	...	...	...	...	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
9	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	·6	1·0	·2	...	...	...	...	...	...	...	2·2	2·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	·1	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·9
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·5	·5	...	...	...	...	...	1·6	2·5
15	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·8	·7	1·3	1·0	·1	·1	...	...	...	...	4·7	6·3
16	...	·5	·7	·9	·4	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	3·9
17	...	·3	·8	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·9
18	...	...	...	...	...	...	...	...	1·2	·9	·7	·2	...	...	·3	·1	...	...	...	...	...	...	·6	·6	4·0	6·4
19	1·1	·9	1·3	1·5	1·2	·8	1·3	·3	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·6	8·4
20	...	...	...	...	·1	·1	·2	·1	...	...	·2	...	·2	·1	·1	...	...	...	...	...	...	...	...	·1	1·2	6·3
21	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	·2	·1	·3	...	...	...	1·1	4·4
22	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	0·9	1·9
23	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	·5	2·2	2·6	2·1	1·2	·2	·5	1·2	4·0	2·2	17·0	10·5
24	1·8	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	·4	...	·6	·6	3·9	2·1
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	·2	·5	1·0	3·4	2·7	1·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·6	5·9
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	3·2	2·3	1·6	...	...	...	...	...	9·2	3·8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	9·6	5·3	**14·5**	7·6	10·6	10·8	9·9	7·0	4·3	5·3	8·3	6·6	5·0	6·3	6·0	11·6	13·2	9·3	5·3	1·3	1·8	1·9	6·7	6·2	174·4	124·2
Total Duration.	hr. 5·9	hr. 3·8	hr. **8·1**	hr. 7·2	hr. 7·8	hr. 6·9	hr. 7·0	hr. 5·4	hr. 5·0	hr. 4·0	hr. 5·0	hr. 3·4	hr. 3·7	hr. 3·3	hr. 4·7	hr. 6·5	hr. 6·4	hr. 6·1	hr. 4·7	hr. 2·8	hr. 3·3	hr. 2·6	hr. 4·1	hr. 6·5	hr. 124·2	hr.

224. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **December, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	...	...	...	·1	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	·7	·7	·1	·6	1·0	1·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·4	5·5
7	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...	1·0	0·9
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·9
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·8
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·0	·8	·4	3·3	5·3
15	·7	·1	...	·1	...	·1	·4	·1	·2	·1	...	...	...	·2	...	·3	...	...	...	...	...	...	...	...	2·3	6·4
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·2	1·0	·4	·1	·9	·3	·2	3·2	6·6
22	·1	...	...	...	·1	·7	2·2	3·0	3·5	3·7	1·9	3·5	1·8	·9	...	...	·1	·2	·1	·5	·3	...	...	...	**22·6**	**15·1**
23	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·5	·1	·5	·1	...	...	...	...	...	1·3	4·3
24	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·7
25	...	...	...	...	...	...	...	...	...	...	...	·1	·5	1·0	·3	·2	·2	·1	...	...	·1	...	...	·1	2·6	5·6
26	·1	...	...	...	·1	·2	·2	·3	·1	·3	·1	·1	...	·7	·4	...	...	·2	...	...	...	...	...	...	2·8	6·3
27	(*°)	...	(·2)	...	(*°)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(*°)	(·1)	(*°)	...	...	...	...	...	...	...	0·1	...
Sum.	0·9	0·2	0·3	0·9	1·2	1·1	3·8	4·7	**4·9**	4·5	2·1	3·7	2·3	2·8	0·7	2·0	0·4	1·2	1·2	1·0	1·3	2·0	1·1	0·7	45·0	60·1
Total Duration.	hr. 2·3	hr. 0·4	hr. 0·3	hr. 1·5	hr. 3·1	hr. 2·5	hr. 5·0	hr. **5·2**	hr. 3·2	hr. 2·7	hr. 1·7	hr. 1·5	hr. 2·0	hr. 3·6	hr. 1·2	hr. 3·1	hr. 2·1	hr. 3·1	hr. 2·8	hr. 2·7	hr. 3·0	hr. 2·6	hr. 2·0	hr. 2·5	hr. 60·1	
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	

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

225. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **January, 1927.**

Day.	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.	Total for Day.	Per cent. of Possible.	Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_o sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
3	—	—	—	—	—	...	...	·6	·7	·9	·3	...	...	—	—	—	—	—	2·5	35	...	...	...	...
4	—	—	—	—	—	...	...	...	·4	1·0	1·0	...	...	—	—	—	—	—	2·4	33	12 20	53	4·73	Fr.-Cu
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	—	...	...	·9	·9	·4	...	...	...	—	—	—	—	—	2·2	30	...	...	...	...
7	—	—	—	—	—	...	...	...	...	·2	·5	1·0	...	—	—	—	—	—	1·7	23	...	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
15	—	—	—	—	—	...	...	...	·1	·8	·7	...	...	—	—	—	—	—	1·6	21	...	...	...	...
16	—	—	—	—	—	...	...	·1	...	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
18	—	—	—	—	—	·2	1·0	·3	·5	·4	·6	·1	...	—	—	—	—	—	3·1	40	...	...	...	...
19	—	—	—	—	—	·7	1·0	1·0	1·0	1·0	·9	**·3**	...	—	—	—	—	—	**5·9**	**75**	10 34	64	5·34	Ci-Cu.
20	—	—	—	—	—	...	·1	·1	·2	...	...	...	...	—	—	—	—	—	0·4	5	...	...	...	...
21	—	—	—	—	—	·2	·2	...	...	...	...	...	...	—	—	—	—	—	0·4	5	...	...	...	...
22	—	—	—	—	—	·2	·1	...	...	...	...	...	...	—	—	—	—	—	0·3	4	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
25	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	·1	1	...	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	·1	1	...	...	...	...
30	—	—	—	—	...	...	...	...	...	·9	·1	·2	...	...	—	—	—	—	1·2	14	...	...	...	...
31	—	—	—	—	...	...	·2	·1	...	·4	·6	...	...	...	—	—	—	—	1·3	15	...	...	...	...
Sum	—	—	—	—	...	1·3	2·6	3·1	3·8	**6·0**	4·9	1·6	...	...	—	—	—	—	23·3	—	—	—	—	—
Mean	—	—	—	—	...	·04	·08	·10	·12	**·19**	·16	·05	...	...	—	—	—	—	0·75	10	—	—	—	—

226. Eskdalemuir : h_s = 1·5 metres. **February, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	...	...	·3	·2	...	·5	·1	·8	·7	...	—	—	—	—	2·6	30	15 11	53	5·89	Cu.
2	—	—	—	—	·1	1 0	1·0	1·0	1·0	1·0	·3	...	...	...	—	—	—	—	5·4	62	12 7	69	3·26	Clear.
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
4	—	—	—	—	...	·1	·3	·8	1·0	·8	·9	1·0	·3	...	—	—	—	—	5·2	59	14 48	52	4·68	Fr-Cu.
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	·1	·9	·9	·9	1·0	1·0	1·0	·4	...	...	—	—	—	—	6·2	**69**	...	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
8	—	—	—	—	...	...	...	...	...	·3	·6	·4	·9	...	—	—	—	—	2·2	24	...	...	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
10	—	—	—	—	...	...	...	...	...	·3	·9	1·0	·7	...	—	—	—	—	2·9	31	...	...	...	...
11	—	—	—	—	...	...	·5	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	—	6·3	68	12 13	46	2·80	Haze.
12	—	—	—	—	...	...	...	...	...	·2	1·0	·7	...	...	—	—	—	—	1·9	20	...	...	...	...
13	—	—	—	—	...	...	...	...	·3	...	...	...	...	...	—	—	—	—	0·3	3	...	...	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
16	—	—	—	—	...	...	...	·3	·8	...	...	...	...	...	—	—	—	—	1·1	11	...	...	...	...
17	—	—	—	—	...	...	...	·1	1·0	·3	...	...	...	...	—	—	—	—	1·4	14	12 36	72	2·61	Cu.
18	—	—	—	—	·5	·9	·8	·9	·3	·1	·9	·7	·2	...	—	—	—	—	5·3	54	...	...	...	...
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
20	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
23	—	—	—	...	·2	·9	·5	·5	...	...	...	...	...	...	...	—	—	—	2·1	21	...	...	...	...
24	—	—	—	...	·2	·7	·4	...	...	...	...	...	...	...	...	—	—	—	1·3	13	...	...	...	...
25	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	·7	...	...	...	...	—	—	—	5·5	53	...	...	...	...
26	—	—	—	...	...	...	...	...	...	...	·4	·1	·9	...	...	—	—	—	1·4	13	...	...	...	...
27	—	—	—	...	...	...	...	...	·2	·5	...	...	...	...	...	—	—	—	0·7	7	...	...	...	...
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
Sum.	—	—	—	...	1·1	5·3	5·7	6·7	7·6	7·0	**7·8**	6·1	4·5	...	...	—	—	—	51·8	—	—	—	—	—
Mean.	—	—	—	...	·04	·19	·20	·24	·27	·25	**·28**	·22	·16	...	...	—	—	—	1·85	19	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_o sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		

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

227. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **March, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Ångström Pyrheliometer: Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
2	—	—	—	…	·1	·3	·1	…	…	…	…	…	…	…	…	—	—	—	0·5	5	…	…	…	…
3	—	—	—	…	…	·7	·9	·9	·6	…	·3	·7	·8	·6	…	—	—	—	5·5	51	…	…	…	…
4	—	—	—	…	…	…	…	…	…	…	·5	…	…	…	…	—	—	—	0·5	5	…	…	…	…
5	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
6	—	—	—	…	…	…	…	·1	·1	·1	1·0	1·0	1·0	·3	…	—	—	—	3·6	33	…	…	…	…
7	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
8	—	—	—	…	…	…	…	…	…	…	·6	1·0	1·0	·1	…	—	—	—	2·7	24	…	…	…	…
9	—	—	—	…	…	·3	·4	1·0	·6	·9	1·0	·9	·2	·3	…	—	—	—	5·6	50	12 55	84	1·97	Fr-Cu.
10	—	—	—	…	…	…	…	·6	…	·7	·5	·7	·4	·2	…	—	—	—	3·1	27	…	…	…	…
11	—	—	—	…	·5	1·0	1·0	1·0	·5	…	·1	·5	·2	… ·8	…	—	—	—	5·6	49	…	…	…	…
12	—	—	—	…	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	…	—	—	—	**9·6**	**84**	12 53	83	1·94	Fr-Cu.
13	—	—	—	…	·1	·1	…	·8	·4	·2	…	…	·4	·5	…	—	—	—	2·5	22	…	…	…	…
14	—	—	—	…	…	·2	·3	·5	…	·7	·2	…	…	·1	…	—	—	—	2·0	17	…	…	…	…
15	—	—	—	…	…	·9	1·0	1·0	·8	·2	…	…	…	…	…	—	—	—	3·9	33	…	…	…	…
16	—	—	—	…	…	…	·4	·3	·1	·7	·1	…	…	…	…	—	—	—	1·6	14	…	…	…	…
17	—	—	—	…	…	…	·8	·8	·8	1·0	1·0	1·0	·1	…	…	—	—	—	5·5	47	…	…	…	…
18	—	—	—	…	·3	·4	…	·3	·6	…	…	…	…	…	…	—	—	—	1·6	13	…	…	…	…
19	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
20	—	—	—	…	…	…	…	…	…	…	…	…	…	…	…	—	—	—	…	…	…	…	…	…
21	—	—	…	…	…	…	·6	1·0	·5	…	·7	·8	·5	·6	…	…	—	—	4·7	39	…	…	…	…
22	—	—	…	…	…	…	…	…	…	·1	·1	·2	·2	…	…	…	—	—	0·6	5	…	…	…	…
23	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
24	—	—	…	…	…	…	·5	·9	·4	·3	·3	…	·3	…	…	…	—	—	2·7	22	…	…	…	…
25	—	—	…	…	…	·6	…	…	…	…	…	…	…	…	…	…	—	—	0·6	5	…	…	…	…
26	—	—	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	—	—	0·1	1	…	…	…	…
27	—	—	…	…	…	·8	1·0	1·0	·9	·5	1·0	·7	·4	…	…	…	—	—	6·3	50	…	…	…	…
28	—	—	…	…	·1	…	·1	·3	·2	·4	…	·4	·5	·7	·1	…	—	—	2·8	22	…	…	…	…
29	—	—	…	(·4)	…	…	…	…	…	…	…	…	…	…	…	…	—	—	0·4	3	…	…	…	…
30	—	—	…	…	…	…	…	…	…	…	·8	·9	·8	…	·2	…	—	—	2·7	21	…	…	…	…
31	—	—	…	·2	·1	·5	·9	1·0	·9	·3	·7	·3	·7	…	…	…	—	—	5·6	43	…	…	…	…
Sum.	—	—	…	·6	1·9	6·8	9·1	**12·5**	8·4	7·1	9·9	10·1	8·5	5·1	·3	·.	—	—	80·3	—	—	—	—	—
Mean.	—	—	…	·02	·06	·22	·29	·40	·27	·23	·32	·33	·27	·16	·01	…	—	—	2·59	22	—	—	—	—

228. Eskdalemuir : h_s = 1·5 metres. **April, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	…	…	…	·3	·7	·3	·5	·2	·2	…	·1	·1	·2	…	—	—	2·6	20	…	…	…	…
2	—	—	…	…	·3	·7	…	…	…	…	…	…	…	…	…	…	—	—	1·0	8	…	…	…	…
3	—	—	…	…	…	·4	1·0	1·0	1·0	1·0	1·0	·9	·3	·3	…	…	—	—	6·9	53	…	…	…	…
4	—	—	…	…	·1	·5	·9	·1	…	…	…	…	…	…	…	…	—	—	1·6	12	…	…	…	…
5	—	—	…	·1	·2	·1	·5	·6	·7	·3	·2	·3	·1	…	…	…	—	—	3·1	23	…	…	…	…
6	—	—	…	…	…	·7	·9	·7	1·0	·9	·9	·8	1·0	·8	·6	…	—	—	8·3	62	…	…	…	…
7	—	—	…	…	·4	·7	·5	·6	·4	·9	·6	·8	·9	·8	…	…	—	—	6·6	49	…	…	…	…
8	—	—	…	…	…	…	·2	·8	·9	·5	·4	…	·1	…	…	…	—	—	2·9	21	…	…	…	…
9	—	—	…	·6	1·0	1·0	1·0	1·0	·6	…	·4	·2	·1	·3	·5	…	—	—	6·7	49	…	…	…	…
10	—	—	…	…	·6	1·0	·9	·8	·9	·9	·7	1·0	1·0	1·0	·3	…	—	—	9·1	67	…	…	…	…
11	—	—	…	…	…	…	…	·2	·6	·4	·5	·8	·5	·3	·6	…	—	—	3·9	28	14 19	83	1·64	Fr-Cu.
12	—	—	·4	·9	·7	·5	…	…	…	…	…	…	…	…	…	…	—	—	2·5	18	…	…	…	…
13	—	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	—	…	…	…	…	…	…
14	—	—	·6	·8	1·0	1·0	1·0	·8	·1	…	…	…	…	·3	…	…	—	—	5·6	40	…	…	…	…
15	—	—	·6	1·0	1·0	1·0	1·0	1·0	1·0	·8	…	·6	1·0	·4	…	…	—	—	9·4	67	11 58½	89	1·41	Cu.
16	—	—	·6	1·0	1·0	·9	…	·9	·9	·4	·3	·1	…	…	·1	…	—	—	6·2	44	…	…	…	…
17	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	…	…	…	…	…	…
18	—	…	…	·8	1·0	1·0	1·0	·7	…	…	…	…	…	…	…	…	…	—	4·5	32	…	…	…	…
19	—	…	…	…	…	…	…	·9	…	…	…	…	…	…	…	…	…	—	0·9	6	…	…	…	…
20	—	…	…	…	…	…	…	…	…	…	·2	1·0	·1	…	…	…	…	—	1·3	9	…	…	…	…
21	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	…	…	…	…	…	…
22	—	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	—	…	…	…	…	…	…
23	—	…	·8	·8	1·0	·6	…	·9	1·0	·7	·5	…	…	…	…	…	…	—	6·3	43	…	…	…	…
24	—	…	·1	…	…	…	…	…	…	…	…	…	…	…	·7	…	…	—	0·8	5	…	…	…	…
25	—	…	…	…	…	…	…	·1	·1	…	…	…	…	·4	1·0	·1	…	—	1·7	11	…	…	…	…
26	—	…	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·7	·6	·4	…	…	—	**11·4**	**77**	…	…	…	…
27	—	…	·8	…	…	…	…	1·0	1·0	·9	·3	1·0	·5	·4	·1	…	…	—	6·0	40	…	…	…	…
28	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	·8	·4	·2	·1	…	·1	·2	…	…	—	8·0	53	11 20	89	1·34	Cu.
29	—	…	…	…	·3	1·0	1·0	1·0	1·0	1·0	·8	·8	1·0	1·0	·8	·5	…	—	10·2	68	…	…	…	…
30	—	·1	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	·9	·8	·5	…	…	…	…	—	10·1	67	…	…	…	…
Sum.	—	·3	6·9	9·0	11·6	14·4	13·4	**15·6**	14·4	11·7	9·1	10·4	7·8	6·9	5·5	·6	…	—	137·6	—	—	—	—	—
Mean.	—	·01	·23	·30	·39	·48	·45	·52	·48	·39	·30	·35	·26	·23	·18	·02	…	—	4·59	33	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Ångström Pyrheliometer: Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

* c

DURATION OF BRIGHT SUNSHINE.

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

229. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **May, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	...	·3	1·0	1·0	1·0	·4	·8	·8	1·0	1·0	1·0	·4	...	...	...	—	8·7	57	...	...	...	...
2	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
3	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
4	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
5	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
6	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	—	0·1	1	...	...	...	...
7	—	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	—	11·4	73	...	...	...	...
8	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	**13·8**	**88**	...	...	...	...
9	—	...	...	...	...	·6	1·0	·8	1·0	1·0	1·0	·6	...	...	...	...	...	—	6·0	38	...	...	...	...
10	—	...	...	...	...	...	...	...	...	·5	...	...	...	...	·1	·1	...	—	0·7	4	...	...	...	...
11	—	...	·3	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	...	—	13·1	83	13 25	82	1·31	Ci.
12	—	...	...	·7	·5	...	...	...	...	...	...	...	...	...	...	...	...	—	1·2	8	...	...	...	...
13	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
14	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
15	—	...	·7	·4	·4	·3	·2	·7	·8	·9	·6	·2	·2	·3	·2	·1	...	—	6·0	37	...	...	...	...
16	...	...	...	·6	·8	1·0	·8	·6	·7	1·0	·8	...	...	...	...	...	...	...	·63	39	...	...	...	...
17	...	...	...	·1	·3	·6	1·0	1·0	·9	1·0	1·0	1·0	1·0	·7	·9	·6	·2	...	10·3	64	...	...	...	...
18	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	·6	·7	·1	...	...	11·4	70	11 37½	86	1·23	Fr-Cu.
19	...	·4	1·0	·9	·9	·9	1·0	·8	1·0	·9	·8	·7	·7	·8	...	...	...	...	10·8	66	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	·2	·3	·3	...	·1	1·0	·3	...	...	...	...	2·2	13	...	...	...	...
22	...	...	1·0	1·0	·6	·7	1·0	·4	·6	·5	·6	·7	·8	·7	·1	·7	...	...	9·4	57	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	·6	·5	...	·5	·4	·9	·6	...	...	3·5	21	...	...	...	...
25	...	...	·9	1·0	1·0	·7	·6	·9	1·0	1·0	·9	·6	·3	...	·1	·5	·1	...	9·6	58	...	...	...	...
26	...	...	...	...	·1	...	·3	·7	...	·1	·4	...	·7	1·0	·7	·3	...	...	4·3	26	...	...	...	...
27	...	...	...	...	...	·2	...	...	·3	·3	·5	...	·3	1·0	·5	·9	·3	...	4·3	26	...	...	...	...
28	...	...	(1·0)	(1·0)	(1·0)	(·8)	(·2)	(·1)	...	...	...	(·1)	...	...	·3	...	...	...	4·5	27	...	...	...	...
29	...	...	·6	·2	...	...	...	·4	·2	·1	...	...	...	...	...	...	...	...	1·5	9	...	...	...	...
30	...	...	...	...	...	·1	1·0	·8	·2	·6	·7	...	...	·1	·4	·3	...	...	4·2	25	...	...	...	...
31	...	...	·1	1·0	·9	·6	·7	·3	·6	·5	·4	·4	·1	·5	·5	·6	...	...	7·2	43	13 19	91	1·20	Fr-Cu.
Sum.	...	·4	7·0	11·1	11·3	11·5	12·8	12·1	12·4	**14·1**	13·2	9·5	10·1	9·8	7·9	6·7	·6	...	150·5	—	—	—	—	—
Mean.	...	·01	·23	·36	·36	·37	·41	·39	·40	**·45**	·43	·31	·33	·32	·25	·22	·02	...	4·85	30	—	—	—	—

230. Eskdalemuir : h_s = 1·5 metres. **June, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	1·0	·9	·5	·5	...	·1	...	·6	·9	·3	·1	·1	...	...	...	...	5·0	29	13 17½	91	1·21	Cu.
3	...	·5	1·0	1·0	1·0	·8	·5	·3	·5	·4	·5	·6	·1	·6	·4	·3	·2	...	8·7	51	...	...	...	...
4	...	...	...	·1	·1	·3	·2	·7	·8	·9	·5	...	...	...	...	·4	...	...	4·0	23	...	...	...	...
5	...	·5	·3	·9	·9	·5	·6	·9	·5	·1	...	...	...	...	...	...	...	...	5·2	31	...	...	...	...
6	...	·6	1·0	·9	·2	·2	·4	...	...	...	·1	...	...	...	...	...	...	...	3·4	20	...	...	...	...
7	...	...	·9	1·0	1·0	·1	·1	...	·5	·2	·3	·1	...	...	·1	...	...	...	4·3	25	...	...	...	...
8	...	...	...	...	·5	·5	·5	·4	·5	·4	·7	1·0	1·0	·8	·7	...	·1	...	7·1	41	...	...	...	...
9	...	·9	1·0	1·0	1·0	1·0	·5	·8	1·0	·8	·6	·4	·6	·7	·9	·9	·6	...	12·7	74	...	...	...	...
10	...	·8	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	·7	...	**15·2**	**88**	11 34½	91	1·17	Cu.
11	...	·3	1·0	·8	1·0	1·0	·9	·4	1·0	1·0	1·0	·8	·6	·4	...	...	...	...	10·2	59	...	...	...	...
12	...	...	...	...	...	·9	·2	...	·1	·9	1·0	1·0	·6	·6	·4	1·0	·3	...	7·0	41	...	...	...	...
13	...	...	·7	·4	1	·7	·2	·2	·2	1·0	·3	·6	·8	1·0	1·0	1·0	·7	...	8·9	51	...	...	...	...
14	...	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	·8	1·0	·3	...	15·0	87	11 37½	93	1·18	Fr-Cu.
15	...	·2	·8	1·0	1·0	1·0	·8	·6	·5	...	...	·2	·3	1·0	·3	...	...	...	7·7	45	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...	...	...	...	...
17	...	...	...	...	...	...	...	...	·9	·2	·4	·3	·1	·2	...	·1	...	...	2·2	13	...	...	...	...
18	...	...	...	...	·2	·3	·5	·4	...	...	...	...	...	...	...	...	...	...	1·4	8	...	...	...	...
19	...	...	...	·4	·5	...	...	...	...	·5	·8	·6	·3	·5	·5	·4	...	...	4·5	26	...	...	...	...
20	...	...	...	·4	·7	·3	·4	·8	·7	·8	·1	·4	·3	...	...	...	...	...	4·9	28	...	...	...	...
21	...	...	·1	...	·2	...	...	...	...	...	...	·1	·4	·4	...	...	...	...	1·2	7	...	...	...	...
22	...	·5	1·0	·9	·5	·1	·7	·6	·9	...	...	...	...	...	...	...	...	...	5·2	30	...	...	...	...
23	...	...	...	·2	·1	...	...	·2	·1	·1	·1	...	·1	...	...	·7	·3	...	1·9	11	...	...	...	...
24	...	...	...	...	...	...	...	·2	...	...	·3	...	...	·1	·3	·3	...	...	1·2	7	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·5	...	...	...	0·9	5	...	...	...	...
26	...	...	...	·4	·8	·3	·2	·6	·7	·8	·6	·6	·9	...	·9	·1	...	...	6·9	40	...	...	...	...
27	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	0·2	1	...	...	...	...
28	...	...	...	...	·3	·3	...	...	...	...	...	...	·2	·8	...	...	...	...	1·6	9	...	...	...	...
29	...	...	...	·2	·1	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·5	3	...	...	...	...
30	...	...	...	·1	...	...	...	...	·5	·5	...	...	...	...	...	...	...	...	1·1	6	...	...	...	...
Sum.	...	5·3	10·8	12·6	**12·7**	10·7	8·9	9·2	11·4	11·3	10·3	9·0	8·2	9·5	7·8	7·2	3·2	...	148·1	—	—	—	—	—
Mean.	...	·18	·36	·42	**·42**	·36	·30	·31	·38	·38	·34	·30	·27	·32	·26	·24	·11	...	4·94	29	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

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

231. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **July, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	...	...	...	...	...	...	...	·2	·5	1·0	...	...	...	...	...	...	1·7	10	...	...	...	...
2	...	...	...	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	7·6	44	...	...	...	...
3	...	...	...	...	...	...	...	·1	·4	·9	1·0	1·0	1·0	1·0	·3	...	...	...	5·7	33	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·7	·2	...	...	...	1·2	7	...	...	...	...
5	...	·1	...	...	...	...	...	...	...	...	...	...	...	·3	·1	·6	...	...	1·1	6	...	...	...	...
6	...	...	·7	·7	1·0	1·0	1·0	·2	·6	·4	...	...	...	·7	·6	...	...	...	6·9	40	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...	...	...	...	...
8	...	·1	·3	...	·1	...	·7	·7	·7	·7	·1	...	·9	1·0	·9	1·0	·8	...	8·0	47	...	...	...	...
9	...	...	...	...	...	·2	·7	·3	...	...	·3	·3	·5	·5	·3	·1	·1	...	3·3	19	...	...	...	...
10	...	·2	·6	·9	...	...	·2	·3	1·0	·9	·9	·5	...	·3	·6	·2	...	...	6·6	39	...	...	...	...
11	...	...	·2	1·0	·4	·5	·9	·9	·3	·1	·2	·1	·5	...	...	...	...	...	5·1	30	...	...	...	...
12	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	0·4	2	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	...	...	...	...	0·8	5	...	...	...	...
14	...	...	...	...	·1	...	...	·4	1·0	1·0	·5	...	·1	...	...	...	...	...	3·1	18	...	...	...	...
15	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·6	·6	·6	·3	·9	·4	...	...	...	9·8	58	...	...	...	...
16	...	...	...	...	...	·8	·8	1·0	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	10·9	65	...	...	...	...
17	...	·1	1·0	·6	1·0	·7	1·0	1·0	1·0	1·0	1·0	·9	1·0	·7	...	...	...	...	**11·0**	**66**	...	...	...	...
18	...	...	·5	·6	·3	·6	·2	·4	·6	·9	·3	·4	·5	·2	·7	·9	·3	...	7·4	44	...	...	...	...
19	...	...	·8	·3	·5	·9	·9	1·0	·3	·5	1·0	·7	·1	...	·5	·1	...	...	7·6	46	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·1	...	...	...	·8	·2	·2	·3	...	...	1·6	10	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	1	...	...	...	...
23	...	...	...	...	...	...	...	...	...	·1	·5	·5	·3	·5	·1	·6	...	...	2·6	16	...	...	...	...
24	...	·2	·9	1·0	·8	·7	·4	·2	·2	·8	·8	·7	·3	·1	·8	1·0	·1	...	9·0	55	...	...	...	...
25	...	...	...	...	...	·2	...	·4	...	...	·6	1·0	1·0	·8	·2	·1	...	...	4·3	26	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	1	...	...	...	...
27	...	...	...	...	...	...	·2	·4	...	...	·4	...	...	...	...	...	...	...	1·0	6	...	...	...	...
28	...	...	...	·3	·6	·7	·2	·5	·1	·6	·8	·3	·1	·1	...	...	...	...	4·3	27	...	...	...	...
29	...	...	...	...	·1	·2	·5	·8	·2	...	...	·1	·4	·1	·1	...	...	...	2·5	15	...	...	...	...
30	—	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	—	0·4	3	...	...	...	...
31	—	...	...	...	·1	·7	·6	·7	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	8·5	53	...	...	...	...
Sum.	...	·7	5·4	6·4	6·0	8·3	9·6	10·3	8·3	11·7	**12·5**	11·3	11·6	11·7	9·1	7·3	2·4	...	132·6	—	—	—	—	—
Mean.	...	·02	·17	·21	·19	·27	·31	·33	·27	·38	**·40**	·36	·37	·38	·29	·24	·08	...	4·28	26	—	—	—	—

232. Eskdalemuir : h_s = 1·5 metres. **August, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	...	...	...	·2	·1	·2	...	·4	·9	·6	·9	·9	·8	...	...	—	5·0	31	...	...	...	...
2	—	...	...	1·0	·9	1·0	·8	·9	·7	...	...	...	...	...	...	...	...	—	5·3	33	...	...	...	...
3	—	...	·4	·3	...	·4	...	...	·1	·1	·1	...	...	...	...	...	...	—	1·4	9	...	...	...	...
4	—	...	...	·6	1·0	1·0	1·0	1·0	·7	·9	·2	·5	·1	...	...	...	...	—	7·0	44	...	...	...	...
5	—	...	...	...	...	·1	·2	·2	·7	·8	1·0	1·0	·7	·7	·6	...	...	—	6·0	38	...	...	...	...
6	—	...	...	...	...	·3	·8	1·0	·9	·4	·3	·8	·9	1·0	·8	·1	...	—	7·3	47	...	...	...	...
7	—	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·0	·8	...	—	2·4	15	...	...	...	...
8	—	...	...	...	·2	·5	·3	...	...	...	...	...	...	...	...	...	...	—	1·0	6	...	...	...	...
9	—	...	...	...	·1	...	·6	·9	1·0	·5	...	...	...	...	...	...	...	—	3·1	20	...	...	...	...
10	—	...	...	...	...	·6	·8	·9	1·0	·7	1·0	...	...	...	...	...	...	—	5·0	33	...	...	...	...
11	—	...	...	...	...	...	...	·5	·3	·3	·6	1·0	·6	·9	·6	·4	...	—	5·2	34	...	...	...	...
12	—	...	...	·2	·8	·5	·9	1·0	1·0	·7	...	·1	·5	·1	...	...	...	—	5·8	38	...	...	...	...
13	—	...	...	...	...	...	...	...	·2	...	·1	·2	·5	·7	·5	...	...	—	2·2	15	...	...	...	...
14	—	...	...	...	...	...	...	·2	·4	...	...	...	·1	...	...	...	...	—	0·7	5	...	...	...	...
15	—	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	—	0·3	2	...	...	...	...
16	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·0	...	...	...	...	...
17	—	...	...	·2	·7	1·0	1·0	·1	·8	·5	·2	...	...	·5	1·0	·6	...	—	6·6	44	...	...	...	...
18	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·0	...	...	...	...	...
19	—	...	...	...	...	·8	·9	·8	·7	·5	·3	·8	·2	·8	·8	·6	...	—	7·2	49	...	...	...	...
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·0	...	...	...	...	...
21	—	...	...	...	...	...	...	·7	·3	·6	·3	...	...	...	...	...	...	—	1·9	13	...	...	...	...
22	—	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	—	0·4	3	...	...	...	...
23	—	...	...	...	...	...	...	·1	·8	...	·3	...	·2	·1	·8	·3	...	—	2·6	18	...	...	...	...
24	—	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	·3	·1	·4	·1	...	...	...	—	6·1	42	...	...	...	...
25	—	...	...	1·0	1·0	1·0	1·0	1·0	·9	·8	1·0	4	·5	·1	·7	·5	...	—	**9·9**	69	...	...	...	...
26	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	0·0	...	...	...	...	...
27	—	...	...	...	...	...	·1	·5	1·0	1·0	·9	·8	·7	·4	·3	...	...	—	5·7	40	...	...	...	...
28	—	...	...	...	...	...	...	·3	·5	·8	·9	·9	1·0	1·0	·7	...	...	—	6·1	43	...	...	...	...
29	—	—	...	...	·7	·9	1·0	·4	·9	1·0	·9	1·0	1·0	1·0	1·0	·1	—	—	**9·9**	**71**	...	...	...	...
30	—	—	...	·2	·6	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	·1	...	...	—	—	8·2	59	...	...	...	...
31	—	—	...	...	...	...	...	·2	...	·3	·3	·9	·9	·9	·2	...	—	—	3·7	27	...	...	...	...
Sum.	—	...	·4	3·5	6·2	10·3	11·6	13·1	**14·9**	12·7	10·6	10·0	9·6	9·9	9·8	3·4	...	—	126·0	—	—	—	—	—
Mean.	—	...	·01	·11	·20	·33	·37	·42	**·48**	·41	·34	·32	·31	·32	·32	·11	...	—	4·06	27	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

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

233. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **September, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	...	...	...	·2	·9	·6	·1	...	...	...	...	...	...	...	—	—	1·8	13	...	...	...	...
2	—	—	...	...	...	·1	·7	1·0	·8	·9	·6	·7	·4	·6	·2	...	—	—	6·0	44	...	...	...	...
3	—	—	...	·1	·9	1·0	1·0	·9	·7	1·0	·2	·1	·9	·1	...	...	—	—	6·9	51	...	...	...	...
4	—	—	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	**11·0**	**81**	...	...	...	...
5	—	—	...	...	...	...	...	...	1·0	·8	·5	·6	·2	...	...	...	—	—	3·1	23	...	...	...	...
6	—	—	...	...	...	...	...	...	...	...	·1	...	·2	...	...	...	—	—	0·3	2	...	...	...	...
7	—	—	...	...	...	...	...	...	·2	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	5·7	43	...	...	...	...
8	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·0	...	...	...	...	...
9	—	—	...	...	...	...	...	...	...	·1	·7	·1	...	...	...	...	—	—	0·9	7	...	...	...	...
10	—	—	...	...	·4	1·0	·6	·1	·1	...	·2	·9	·1	...	...	...	—	—	3·4	26	...	...	...	...
11	—	—	...	...	...	·3	1·0	·8	·2	·3	...	...	·1	·3	·4	...	—	—	3·4	26	...	...	...	...
12	—	—	...	·3	...	...	...	·1	...	...	...	·1	...	...	...	...	—	—	0·5	39	...	...	...	...
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·0	...	...	...	...	...
14	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·0	...	...	...	...	...
15	—	—	...	...	·4	1·0	1·0	1·0	1·0	·8	·9	·9	·3	·7	·5	...	—	—	8·5	67	...	...	...	...
16	—	—	...	...	·6	·7	...	...	...	·1	...	...	...	...	...	...	—	—	1·4	11	...	...	...	...
17	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	·3	·7	·9	·3	...	...	...	—	—	7·8	62	...	...	...	...
18	—	—	...	·3	·2	·5	:2	...	·1	·8	·4	·2	·8	·2	·1	...	—	—	3·8	30	...	...	...	...
19	—	—	...	...	...	...	...	...	...	...	...	·1	·6	·2	...	...	—	—	0·9	7	...	...	...	...
20	—	—	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...	...
21	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·0	...	...	...	...	...
22	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·0	...	...	...	...	...
23	—	—	...	...	...	·1	·3	·8	·9	·9	·9	**·6**	·8	...	...	...	—	—	5·3	43	...	...	...	...
24	—	—	...	...	...	·7	·8	1·0	·6	...	...	...	·7	·5	...	...	—	—	4·3	35	...	...	...	...
25	—	—	—	...	·3	·8	·8	...	...	·1	·1	...	...	...	...	...	—	—	2·1	17	...	...	...	...
26	—	—	—	...	...	...	...	...	...	...	·3	...	·2	...	...	—	—	—	0·5	4	...	...	...	...
27	—	—	—	·3	1·0	1·0	1·0	1·0	·8	·9	1·0	·4	·3	1·0	...	—	—	—	8·7	73	...	...	...	...
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	0·0	...	...	...	...	...
29	—	—	—	...	...	...	...	...	...	·5	·4	·9	·1	·2	...	—	—	—	2·1	18	...	...	...	...
30	—	—	—	...	·9	·9	·5	·5	·1	...	...	...	...	...	...	—	—	—	2·9	25	...	...	...	...
Sum.	—	—	...	1·7	6·7	10·4	**10·8**	9·8	8·6	9·5	9·0	8·5	8·0	5·8	2·6	...	—	—	91·4	—	—	—	—	—
Mean.	—	—	...	·06	·22	·35	**·36**	·33	·29	·32	·30	·28	·27	·19	·09	...	—	—	3·05	24	—	—	—	—

234. Eskdalemuir : h_s = 1·5 metres. **October, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	·1	...	·4	...	—	—	—	0·5	4	...	...	...	...
2	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	—	0·1	1	...	...	...	...
3	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	·8	·6	·7	1·0	·9	...	—	—	—	9·1	80	...	...	...	...
4	—	—	—	...	·4	1·0	1·0	·5	·2	·2	·6	1·0	1·0	·7	...	—	—	—	6·6	58	...	...	...	...
5	—	—	—	...	·8	1·0	1·0	1·0	1·0	·9	·5	·2	...	...	...	—	—	—	6·4	57	...	...	...	...
6	—	—	—	...	...	...	...	...	...	·6	·1	·6	·1	...	...	—	—	—	1·4	13	...	...	...	...
7	—	—	—	...	·6	1·0	1·0	·2	·4	1·0	1·0	1·0	1·0	·9	...	—	—	—	8·1	73	...	...	...	...
8	—	—	—	...	·9	1·0	·3	...	...	...	...	...	...	...	...	—	—	—	2·2	20	...	...	...	...
9	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	0·0	...	...	...	...	...
10	—	—	—	...	(1·0)	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	—	—	**9·6**	**88**	14 11	66	2·60	Clear
11	—	—	—	...	...	...	...	...	·1	·1	...	...	...	...	...	—	—	—	0·2	2	...	...	...	...
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	0·0	...	...	...	...	...
13	—	—	—	...	·2	...	...	...	...	...	...	...	...	·1	...	—	—	—	0·3	3	...	...	...	...
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	0·0	...	...	...	...	...
15	—	—	—	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	—	0·1	1	...	...	...	...
16	—	—	—	...	...	·1	·4	...	...	...	...	...	...	...	...	—	—	—	0·5	5	...	...	...	...
17	—	—	—	...	...	...	...	·1	·4	·6	·7	·6	·4	...	...	—	—	—	2·8	27	...	...	...	...
18	—	—	—	...	...	·2	·8	1·0	1·0	·5	·2	·3	...	·2	...	—	—	—	4·2	41	12 15	79	2·30	Ci.
19	—	—	—	...	...	...	...	...	·3	·4	·5	·1	...	...	...	—	—	—	1·3	13	11 58	81	2·31	Fr-Cu.
20	—	—	—	...	·7	1·0	1·0	1·0	1·0	·8	1·0	·4	·6	·1	...	—	—	—	7·6	75	...	...	...	...
21	—	—	—	—	·4	·9	·9	·3	·2	·2	...	...	...	...	—	—	—	—	2·9	29	...	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
23	—	—	—	—	...	·6	1·0	1·0	·9	·7	·6	·6	·1	...	—	—	—	—	5·5	55	...	...	...	...
24	—	—	—	—	...	...	·1	·1	...	...	...	...	...	...	—	—	—	—	0·2	2	...	...	...	...
25	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	·1	...	—	—	—	—	0·1	1	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	·2	·2	...	...	—	—	—	—	0·4	4	...	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
29	—	—	—	—	...	·7	·4	·4	·7	·8	1·0	·9	·5	...	—	—	—	—	5·4	57	...	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
31	—	—	—	—	...	...	·3	·6	·2	·7	1·0	·9	1·0	...	—	—	—	—	4·7	50	...	...	...	...
Sum.	—	—	—	·1	6·0	9·5	**10·2**	8·2	8·4	9·4	9·0	8·6	6·9	3·9	...	—	—	—	80·2	—	—	—	—	—
Mean.	—	—	—	·03	·19	·31	**·33**	·26	·27	·30	·29	·28	·22	·13	...	—	—	—	2·59	25	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

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

235. Eskdalemuir : h_s (height of recorder above ground) = 1·5 metres. **November, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
2	—	—	—	—	...	...	...	·4	·4	1·0	...	·4	...	...	—	—	—	—	2·2	24	...	...	...	...
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
4	—	—	—	—	...	·1	·3	·2	1·0	·5	·8	·4	·1	...	—	—	—	—	3·4	37	...	...	...	...
5	—	—	—	—	...	...	...	...	·2	·3	·1	...	...	...	—	—	—	—	0·6	7	...	...	...	...
6	—	—	—	—	...	·4	·7	·6	·6	·6	·5	·1	...	...	—	—	—	—	3·5	39	...	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
8	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	**7·9**	90	11 42	46	3·12	Haze
9	—	—	—	—	...	·1	...	·8	1·0	1·0	·9	·1	...	...	—	—	—	—	3·9	45	...	...	...	...
10	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	—	—	—	7·6	88	11 59	48	3·20	Haze
11	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	7·8	**91**	...	...	...	...
12	—	—	—	—	...	·9	1·0	1·0	1·0	·3	·1	·9	·7	...	—	—	—	—	5·9	69	...	...	...	...
13	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	0·1	1	...	...	...	...
14	—	—	—	—	...	...	·3	...	...	...	...	...	...	...	—	—	—	—	0·3	4	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
16	—	—	—	—	...	...	...	...	·1	...	...	...	...	...	—	—	—	—	0·1	1	...	...	...	...
17	—	—	—	—	...	...	·1	·9	·1	...	...	·5	·2	...	—	—	—	—	1·8	2	...	...	...	...
18	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	0·0	...	...	...	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
24	—	—	—	—	—	...	·2	·2	...	·4	·4	·3	...	—	—	—	—	—	1·5	19	...	...	...	...
25	—	—	—	—	—	...	·5	·1	·1	·9	·8	...	...	—	—	—	—	—	2·4	31	...	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
27	—	—	—	—	—	...	...	...	·6	1·0	1·0	·7	·2	—	—	—	—	—	3·5	46	...	...	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
29	—	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	—	—	6·6	87	11 58	45	4·34	Clear
30	—	—	—	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	—	5·9	78	13 1	47	5·70	Clear
Sum.	—	—	—	—	·3	4·9	8·0	9·2	10·1	**11·0**	9·7	8·4	3·4	...	—	—	—	—	65·0	...	—	—	—	—
Mean.	—	—	—	—	·01	·16	·27	·31	·34	**·37**	·32	·28	·11	...	—	—	—	—	2·17	26	—	—	—	—

236. Eskdalemuir : h_s = 1·5 metres. **December and Year, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
6	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
17	—	—	—	—	—	·3	1·0	1·0	·9	...	...	...	...	—	—	—	—	—	3·2	45	...	...	...	...
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
19	—	—	—	—	—	...	...	...	·4	·4	—	...	...	—	—	—	—	—	0·8	11	...	...	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	...	...	...	...	...
26	—	—	—	—	—	...	...	·4	...	·5	·1	...	...	—	—	—	—	—	1·0	14	...	...	...	...
27	—	—	—	—	—	...	1·0	1·0	1·0	1·0	·8	·7	...	—	—	—	—	—	5·5	78	...	...	...	...
28	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	·9	...	—	—	—	—	—	**5·7**	**81**	...	...	...	...
29	—	—	—	—	—	·1	·7	·5	...	·7	·9	...	...	—	—	—	—	—	2·9	41	...	...	...	...
30	—	—	—	—	—	...	·9	1·0	1·0	·7	·9	·3	...	—	—	—	—	—	4·8	68	...	...	...	...
31	—	—	—	—	—	...	·3	·3	...	...	...	...	...	—	—	—	—	—	0·6	9	...	...	...	...
Sum.	—	—	—	—	—	·4	4·7	**5·2**	4·3	4·3	3·7	1·9	...	—	—	—	—	—	24·5	—	—	—	—	—
Mean.	—	—	—	—	—	·01	·15	**·17**	·14	·14	·12	·06	...	—	—	—	—	—	0·79	11	—	—	—	—
Annual Total.	...	6·7	30·5	45·0	63·8	93·8	107·4	115·0	112·6	**115·8**	109·7	95·4	78·6	62·6	43·0	25·2	6·2	...	1111·3	—				
Annual Mean.	...	·02	·08	·12	·17	·26	·29	·32	·31	**·32**	·30	·26	·22	·17	·12	·07	·02	...	3·04	25	—	—	—	—

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

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

237. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Hour. G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	250	4·2	240	5·6	260	6·9	230	5·2	220	5·6	240	7·4	250	7·2	240	6·6	220	5·0	220	6·0	250	9·4	260	10·0
2	200	5·5	220	5·2	220	6·0	210	5·1	220	7·9	230	9·5	230	9·4	220	9·9	230	11·5	240	9·5	240	9·5	230	10·9
3	220	14·2	220	13·6	240	13·0	260	10·1	250	8·0	250	7·0	250	7·9	260	8·4	250	8·9	250	10·0	250	9·9	260	9·0
4	280	5·5	280	8·0	300	8·0	310	4·6	360	2·4	360	1·7	60	2·5	—	0·6	—	0·6	—	0·1	260	4·3	300	9·5
5	240	2·2	260	2·9	190	2·3	—	1·3	—	1·2	200	3·0	190	2·9	—	1·2	—	0·2	—	0·0	—	0·0	—	0·2
6	190	2·0	220	2·2	200	4·9	180	4·5	210	8·8	220	7·4	240	6·1	250	7·0	260	10·9	260	12·1	260	13·2	250	12·4
7	230	8·3	220	6·9	230	7·4	250	7·1	240	6·3	230	5·1	240	6·4	220	5·8	230	6·6	220	3·1	—	0·5	—	0·4
8	—	0·1	—	0·0	—	0·2	—	0·3	—	0·3	210	(2·6)	180	(3·9)	230	6·6	210	6·0	200	5·9	200	5·2	210	5·6
9	290	12·0	290	12·1	280	11·5	280	9·0	280	9·8	280	9·5	280	10·1	260	10·4	250	9·5	240	8·5	270	10·3	280	13·4
10	270	12·0	280	12·6	280	14·6	280	14·4	290	14·9	280	16·2	280	15·1	280	14·7	290	12·9	270	5·6	270	8·1	270	6·8
11	240	8·0	230	7·2	240	11·1	250	11·6	250	11·0	240	7·5	220	7·4	220	9·2	220	9·4	200	7·5	220	8·3	210	7·5
12	280	6·0	290	7·5	270	3·5	230	3·2	230	5·0	250	7·0	240	6·5	230	4·1	220	5·2	220	6·8	200	5·0	190	7·5
13	230	11·2	260	16·4	270	16·4	270	17·6	260	14·0	250	10·6	260	12·4	250	11·6	240	11·5	230	10·6	230	10·1	230	8·7
14	340	8·0	340	1·9	310	3·0	330	2·6	300	4·3	310	5·4	300	5·0	300	2·4	310	2·7	320	3·5	330	3·6	330	4·6
15	250	5·2	240	5·1	240	5·3	250	5·8	240	3·0	220	3·9	240	5·4	230	5·0	220	4·5	240	5·1	270	4·0	310	5·0
16	250	4·5	—	0·5	—	0·6	—	0·9	—	0·6	—	0·5	—	0·7	—	1·5	—	0·4	—	0·6	—	1·5	210	2·5
17	240	3·1	240	4·5	240	4·4	240	3·1	180	2·5	210	3·0	210	2·5	—	1·1	—	0·6	—	0·4	—	0·5	—	0·1
18	10	4·2	10	4·4	360	3·9	360	3·9	360	2·1	—	0·8	350	2·3	360	3·4	20	3·2	20	3·0	20	3·0	10	3·4
19	20	3·0	360	6·7	10	4·6	20	2·5	360	3·7	360	3·5	100	1·7	80	1·7	350	5·3	10	2·6	360	2·5	360	3·2
20	—	0·0	—	0·1	—	0·0	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·2	—	0·1	—	0·0	—	0·0
21	180	4·0	190	3·3	190	3·5	190	4·2	200	3·0	210	4·9	240	6·5	220	5·8	230	4·9	(200)	2·0	180	3·1	200	5·6
22	210	2·5	210	2·8	—	1·4	230	3·6	200	3·0	—	1·0	180	2·0	—	0·4	—	0·1	—	0·3	—	0·2	—	0·2
23	—	0·0	—	0·0	—	0·1	—	1·1	210	2·1	190	2·6	190	2·6	200	4·1	220	7·0	230	6·2	220	6·9	220	8·5
24	250	7·6	210	3·0	180	3·9	190	4·4	200	5·4	190	8·5	190	7·9	190	9·1	170	6·1	180	8·0	180	8·4	190	9·0
25	210	12·3	210	9·5	210	9·0	210	8·6	210	8·4	210	9·2	210	8·8	210	9·0	210	8·9	(210)	(8·5)	(210)	(8·2)	210	8·8
26	210	7·0	220	9·5	210	9·1	200	9·0	200	8·0	180	8·4	170	6·9	170	6·4	160	6·7	160	8·5	150	10·9	150	11·6
27	210	7·6	230	10·0	210	11·7	210	15·2	240	13·9	230	10·1	220	9·6	230	13·5	230	10·4	230	10·6	240	11·6	250	10·5
28	210	15·8	220	15·0	220	15·0	210	12·7	210	13·0	210	14·6	200	14·6	210	16·4	210	19·3	200	19·0	200	21·4	210	23·2
29	190	2·0	200	2·4	170	5·1	160	5·4	160	2·3	60	2·0	60	3·6	30	2·2	300	3·6	290	9·1	280	9·5	250	13·1
30	230	11·0	230	11·0	240	14·6	240	14·0	240	12·9	240	13·9	240	13·4	230	12·9	230	10·0	220	8·5	230	9·5	230	11·0
31	250	11·5	240	10·2	230	9·0	240	10·0	230	11·5	250	11·5	250	12·9	260	9·9	260	10·5	250	9·4	260	9·2	260	9·1
Mean ...	—	6·5	—	6·5	—	6·8	—	6·5	—	6·3	—	6·4	—	6·6	—	6·5	—	6·5	—	**6·2**	—	6·7	—	7·5

233. Eskdalemuir : H_a = 235 metres + 15 metres.

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

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time. **January, 1927.**

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
260	10·5	250	10·1	240	8·9	250	9·0	250	11·9	250	10·3	240	7·1	230	7·3	230	4·9	200	5·4	200	6·0	210	5·5	7·4	1
220	10·0	220	11·1	230	12·5	240	14·6	230	15·1	240	14·5	240	14·5	230	12·6	230	15·6	230	15·0	220	12·2	220	13·6	10·7	2
240	9·1	240	9·3	250	10·1	250	10·0	250	9·4	270	7·1	270	6·1	270	6·5	250	6·2	250	4·5	260	5·6	280	6·1	8·9	3
310	11·4	320	10·0	340	7·6	340	6·6	330	6·5	330	5·4	300	2·1	—	0·6	—	1·0	—	0·9	—	0·5	—	0·9	4·3	4
—	0·5	200	2·6	210	1·6	—	0·6	260	2·9	280	5·2	240	3·1	240	2·0	180	2·1	—	1·0	210	2·9	—	1·5	1·8	5
250	13·0	250	12·9	250	12·7	230	8·9	240	8·8	240	8·8	240	9·9	260	10·5	260	9·5	240	9·1	240	9·9	240	9·4	8·8	6
—	0·2	20	4·6	360	5·0	—	1·2	—	0·7	350	1·9	—	0·2	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	3·5	7
200	5·4	250	8·1	260	7·1	270	8·5	270	10·5	280	11·7	290	10·6	280	9·1	290	11·4	300	16·0	300	15·9	310	14·6	6·6	8
280	14·6	280	12·6	270	10·3	270	10·5	270	11·5	280	12·1	270	12·8	270	13·1	270	14·9	270	16·2	270	14·8	270	14·0	11·8	9
260	3·5	260	6·2	260	4·9	260	4·5	240	5·4	250	7·8	240	5·2	250	6·5	250	7·3	240	8·7	220	5·6	230	7·0	9·3	10
230	9·8	240	13·5	230	12·5	230	10·1	230	9·8	260	8·1	270	6·1	230	6·5	260	8·9	270	8·0	270	7·6	300	7·9	8·9	11
190	8·0	180	6·7	170	8·5	170	8·4	170	8·0	180	10·9	200	14·1	210	13·0	200	14·5	200	14·1	210	13·7	220	9·8	8·2	12
230	7·1	230	6·0	240	3·6	230	3·5	210	2·9	220	2·0	200	1·6	200	1·6	270	4·1	280	3·6	310	8·0	340	9·5	8·5	13
350	2·9	—	1·4	310	2·5	—	0·6	—	0·1	—	1·1	—	1·1	240	2·5	210	2·1	—	0·6	—	1·0	220	4·0	2·9	14
280	6·2	260	3·0	210	3·1	—	1·5	—	1·4	260	2·9	260	4·4	260	3·5	—	0·9	180	2·9	220	2·6	250	3·5	3·9	15
230	3·3	220	4·0	230	3·7	290	3·1	240	1·7	220	3·1	200	1·9	230	3·1	240	3·6	220	3·8	230	3·1	—	0·6	2·1	16
—	0·1	—	0·1	—	0·0	—	0·6	360	1·9	10	2·5	10	2·2	—	1·2	10	2·1	—	1·5	—	0·9	10	1·8	1·7	17
10	3·0	350	4·5	350	4·4	350	5·0	350	4·9	350	4·3	360	4·2	10	4·7	20	4·1	20	3·5	20	3·1	360	3·5	3·6	18
350	4·0	340	3·9	—	1·2	340	1·9	—	1·5	—	0·1	—	0·0	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	2·3	19
—	0·0	—	0·2	—	1·5	190	2·5	180	2·6	180	3·8	180	4·5	170	4·5	170	4·7	180	4·9	170	4·4	180	4·2	1·5	20
190	5·5	210	4·5	—	1·1	310	2·1	290	2·8	280	2·0	280	1·6	270	3·4	290	2·1	280	5·1	250	1·6	—	0·8	3·5	21
—	0·1	—	0·1	—	0·0	—	0·1	—	0·0	—	0·1	—	0·1	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	**0·8**	22
250	11·6	250	10·5	250	9·3	240	9·0	240	11·0	240	10·4	240	10·0	230	9·0	240	10·9	240	11·9	240	10·1	240	7·6	6·6	23
200	12·6	210	15·1	210	17·0	200	17·1	200	16·4	200	15·0	200	16·0	200	16·6	210	14·5	210	15·0	210	14·8	210	14·4	10·9	24
210	9·0	210	8·5	210	9·5	210	10·9	220	10·1	230	10·3	220	9·2	210	8·8	220	9·0	220	10·5	210	8·5	210	8·0	9·4	25
150	13·3	180	12·9	190	21·0	200	20·6	210	19·3	240	19·9	260	21·4	260	18·3	250	15·0	250	13·8	240	13·0	240	10·0	12·5	26
240	11·2	250	13·6	250	13·3	250	12·5	250	11·6	240	12·2	240	10·6	240	10·4	240	9·2	230	10·4	220	14·5	210	15·0	11·5	27
210	24·1	220	22·2	220	23·1	230	21·6	230	21·4	230	19·7	230	16·4	230	14·8	230	13·5	230	10·1	220	7·0	210	4·4	**16·8**	28
250	16·6	240	13·4	220	9·9	220	10·0	220	8·3	220	8·1	230	9·5	230	11·5	230	11·2	230	10·5	230	11·9	240	12·7	7·9	29
220	9·2	210	9·2	210	8·5	210	9·1	210	9·6	220	9·5	230	10·0	250	12·6	240	9·7	250	10·8	260	10·5	250	12·0	11·0	30
280	9·0	270	8·6	270	8·5	270	7·5	270	7·6	270	5·8	240	5·0	260	5·2	270	5·3	270	4·8	290	4·1	290	5·0	8·5	31
—	7·9	—	**8·1**	—	7·8	—	7·5	—	7·6	—	7·6	—	7·1	—	7·1	—	7·1	—	7·2	—	6·9	—	6·7	7·0	

February, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21	22.	23.	24.	Mean	Day.

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

239. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

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

240. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	10	4·6	20	5·9	360	4·5	10	4·1	20	3·5	360	3·5	360	3·1	10	3·8	360	3·5	360	2·6	270	2·3	290	3·1
2	—	0·0	—	0·1	—	0·1	—	0·0	—	0·1	—	0·1	—	0·0	—	0·0	—	1·0	210	2·3	250	4·6	230	4·6
3	—	0·5	—	0·1	—	0·0	—	0·0	—	0·0	—	0·1	—	0·2	310	4·3	320	6·0	310	5·5	320	8·1	310	9·0
4	—	0·5	—	0·8	—	0·6	—	0·5	—	0·3	—	0·1	—	0·1	180	2·0	160	5·0	150	6·0	150	6·5	160	6·6
5	240	8·3	230	5·5	210	5·6	210	6·5	210	10·4	220	10·0	220	11·8	230	11·6	230	9·9	230	11·1	230	12·0	220	13·5
6	220	1·7	—	1·2	—	0·8	—	0·5	—	0·4	—	0·1	—	0·0	—	0·8	260	5·1	250	7·4	260	7·5	250	8·1
7	200	2·0	210	2·6	230	1·9	—	0·7	—	0·7	—	0·1	—	0·6	220	3·4	240	4·0	250	4·0	250	3·6	250	5·0
8	270	6·0	260	5·5	260	4·8	240	4·5	230	3·4	250	2·6	300	2·6	10	3·2	40	4·1	20	4·5	30	3·7	40	3·9
9	—	0·9	—	0·8	—	0·7	—	0·2	30	2·0	360	5·0	10	3·1	360	4·9	360	6·5	20	7·2	20	8·1	20	7·9
10	10	6·9	20	7·2	20	8·5	20	9·5	30	9·9	20	11·6	20	12·5	30	13·6	20	13·4	20	14·0	20	13·4	20	13·4
11	—	0·3	—	0·3	—	0·6	260	4·8	250	5·2	260	6·2	220	4·1	200	3·1	280	6·2	280	10·1	300	11·1	300	10·0
12	—	0·7	—	0·7	—	0·6	330	2·8	310	4·3	310	3·1	290	3·1	290	4·3	280	5·1	(270)	5·0	(270)	4·2	260	5·0
13	280	7·6	200	3·5	240	4·7	240	5·9	210	5·5	190	4·1	210	7·2	220	8·0	220	8·6	220	8·7	230	10·1	230	11·4
14	250	9·2	270	8·0	300	6·4	—	1·5	230	3·1	260	4·5	310	7·6	310	5·0	280	3·5	270	4·4	260	5·1	240	7·5
15	310	9·5	310	9·5	330	9·0	280	5·4	300	7·0	320	10·6	320	9·5	310	9·1	310	8·3	310	6·9	300	7·5	300	6·9
16	260	5·0	320	4·5	310	2·9	320	2·1	350	3·4	340	5·8	330	5·2	330	4·7	320	4·0	330	3·5	300	5·0	290	6·1
17	220	4·5	220	5·8	210	4·5	220	5·0	240	7·5	210	5·4	200	5·6	220	9·2	220	9·1	220	8·1	220	9·9	220	9·8
18	—	0·6	—	0·5	250	1·9	—	0·9	230	2·0	—	0·9	240	2·4	240	2·2	230	4·5	(230)	6·4	240	6·9	230	7·5
19	270	2·6	250	2·6	230	2·6	220	3·5	240	4·4	260	4·0	240	4·2	230	5·9	230	7·1	240	9·2	250	9·8	240	9·6
20	250	8·0	250	9·6	240	10·0	210	7·2	190	5·3	210	5·4	200	5·6	220	7·7	230	10·4	240	11·8	240	12·0	240	12·5
21	260	12·1	260	12·3	270	11·2	270	10·4	280	10·6	280	7·5	270	7·2	270	6·4	270	5·0	250	5·7	250	5·9	240	7·1
22	230	11·7	240	15·0	240	17·4	240	18·4	240	14·5	240	12·6	230	12·0	240	15·0	240	16·1	230	16·5	230	16·6	230	15·0
23	270	11·0	280	10·1	280	11·1	290	11·6	300	15·9	300	15·5	310	12·5	330	10·5	330	8·0	320	7·6	310	7·9	300	12·1
24	300	10·0	300	9·1	300	7·4	290	6·6	300	6·5	310	6·0	300	8·5	310	8·0	300	7·5	310	4·9	330	1·7	—	0·6
25	280	7·0	280	6·0	290	7·1	290	5·1	270	3·5	230	3·6	230	4·2	190	1·8	210	5·5	250	9·6	260	7·6	310	5·0
26	320	9·4	310	9·9	300	10·1	300	9·0	310	8·5	310	7·0	300	9·0	310	9·1	320	9·4	310	7·6	310	7·2	300	7·0
27	—	1·1	210	1·6	250	4·7	260	6·7	230	5·6	220	6·6	220	7·4	240	10·0	270	9·1	290	9·1	280	10·0	280	10·6
28	300	2·5	—	0·7	—	0·8	—	1·0	—	1·4	—	0·5	—	0·4	200	2·6	240	5·2	230	7·5	230	8·2	220	8·5
29	—	015	—	0·4	—	0·2	—	0·2	310	3·5	300	6·5	300	7·0	300	7·1	290	8·7	300	7·9	290	7·5	300	8·6
30	80	5·0	180	4·4	220	3·0	160	2·4	300	2·9	280	3·0	300	7·8	300	9·2	290	7·0	300	5·5	290	5·0	280	5·0
Mean ...	—	5·0	—	4·8	—	4·8	—	**4·6**	—	5·0	—	5·1	—	5·5	—	6·2	—	6·9	—	7·3	—	7·6	—	8·0
Hour ... G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

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

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

March, 1927.

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

April, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
260	4·9	240	7·0	270	5·6	360	2·8	—	0·7	—	0·1	—	0·3	—	0·1	—	1·0	—	0·2	—	0·1	—	0·1	2·9	1
200	6·7	200	6·2	200	5·6	—	0·3	—	0·9	140	1·6	140	2·5	—	0·6	—	0·0	—	0·0	—	0·4	—	1·1	**1·6**	2
300	9·1	310	5·8	310	4·6	290	5·0	310	3·6	—	1·5	290	2·1	320	2·4	—	0·7	—	0·3	—	0·6	—	0·2	2·9	3
160	7·1	160	7·0	150	6·2	150	7·7	160	9·0	160	7·9	180	9·0	200	9·5	210	8·4	230	9·6	240	9·4	230	7·6	5·2	4
240	11·6	250	6·0	220	10·8	240	10·9	240	10·0	240	9·0	230	6·0	200	2·9	—	0·5	—	1·4	200	3·4	210	3·0	8·1	5
270	7·5	260	8·5	250	9·6	250	7·1	260	5·8	260	5·1	250	5·0	240	4·7	250	6·0	260	4·0	230	1·7	210	1·6	4·2	6
240	5·6	270	5·3	270	6·0	270	7·0	270	5·3	270	3·9	270	5·0	270	5·0	280	5·0	280	5·1	280	4·6	300	4·5	3·8	7
30	3·0	40	3·9	30	3·8	50	2·5	—	1·1	—	0·5	—	0·1	—	0·2	—	1·0	300	1·7	—	1·2	—	1·1	2·9	8
20	7·2	10	8·0	20	7·5	20	7·0	30	6·3	10	4·2	20	5·1	20	7·9	10	7·0	20	7·6	20	8·0	10	6·6	5·3	8
20	13·1	30	12·0	20	12·9	20	11·6	20	9·8	30	6·5	30	4·5	10	3·6	340	3·5	350	3·0	—	0·9	—	0·2	9·1	10
340	7·6	360	5·6	10	7·5	10	6·2	360	5·5	—	0·8	—	1·0	30	4·1	40	2·5	360	1·7	350	3·5	60	1·6	4·5	11
270	5·6	270	5·7	270	6·6	370	7·9	270	7·2	270	8·3	280	7·2	270	4·5	260	5·5	290	8·4	290	11·5	290	12·5	5·2	12
210	9·1	220	10·3	210	9·1	210	8·5	220	10·4	230	9·6	230	8·1	240	9·1	230	7·9	230	8·2	240	8·0	230	8·0	7·9	13
250	9·6	240	10·5	230	10·5	270	10·8	270	10·5	280	9·0	280	9·6	280	9·6	270	9·8	270	10·1	280	11·2	290	13·2	7·8	14
310	6·5	280	6·9	290	6·1	300	7·6	340	5·9	340	3·2	310	7·5	310	7·8	310	8·7	310	7·4	310	3·5	280	3·5	7·4	15
280	5·1	280	5·6	280	5·1	280	4·5	290	5·1	270	2·7	—	1·5	260	3·5	230	2·7	210	2·9	220	2·6	220	4·6	4·1	16
220	9·1	230	9·4	220	7·6	230	8·6	230	10·2	230	9·1	220	6·5	230	5·9	240	5·2	270	4·3	300	3·5	—	1·1	6·9	17
200	6·1	230	7·7	230	6·9	230	6·5	210	6·2	220	7·1	220	6·5	240	6·4	270	2·9	290	3·2	270	2·5	—	1·4	4·2	18
240	9·6	240	9·4	250	8·5	230	9·5	230	9·2	230	9·6	230	9·0	240	8·4	240	7·1	230	7·0	240	7·6	240	8·1	6·9	19
240	13·4	240	13·5	240	15·7	240	17·1	230	14·8	230	11·4	240	11·2	250	11·6	250	12·2	260	12·9	250	12·6	260	12·2	10·9	20
230	8·0	220	7·8	220	8·5	230	8·9	220	7·0	210	6·1	190	5·1	190	5·5	170	5·8	200	6·0	210	6·4	200	4·9	7·7	21
230	14·5	240	11·0	270	8·0	270	9·1	240	10·1	240	9·7	230	8·0	240	9·4	260	10·0	270	11·8	270	10·6	280	10·9	**12·5**	22
300	10·7	300	10·1	300	9·5	290	7·5	290	8·2	280	7·4	270	8·2	280	6·4	280	6·6	270	5·5	290	5·8	290	8·1	9·5	23
210	3·4	200	3·1	210	4·1	220	6·6	270	8·0	300	11·1	300	11·0	290	10·1	300	11·5	300	11·4	290	9·4	300	9·4	7·3	24
40	5·9	30	5·5	20	5·5	20	6·0	20	4·2	340	7·8	320	7·5	310	9·6	320	10·2	330	9·1	310	9·1	320	9·6	6·5	25
300	9·6	290	8·0	280	8·0	290	9·0	290	8·3	300	8·5	290	6·1	300	6·1	310	5·0	300	5·1	300	5·5	300	5·9	7·9	26
280	10·1	280	9·9	280	9·0	290	9·0	300	8·5	290	6·7	290	6·5	300	7·0	310	2·7	—	0·1	—	0·2	—	0·3	6·5	27
230	8·6	220	9·7	200	6·7	220	8·0	220	8·1	230	8·7	230	9·5	240	9·9	270	7·5	280	5·5	290	6·5	310	**2·9**	5·4	28
300	8·5	300	8·9	300	9·5	300	11·2	300	10·4	300	10·0	290	9·4	290	6·8	290	4·7	—	1·2	280	1·7	350	2·5	6·0	29
260	5·9	290	6·0	270	4·9	210	7·1	350	1·6	150	2·7	—	1·0	—	1·2	—	0·8	360	2·0	—	0·6	—	0·2	4·0	30
—	**8·1**	—	7·8	—	7·7	—	7·7	—	7·1	—	6·3	—	6·0	—	6·0	—	5·4	—	5·2	—	5·1	—	4·9	6·2	
13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

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

241. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

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

242. Eskdalemuir : H_a = 235 metres + 15 metres.

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

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

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

May, 1927.

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

June, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

243. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

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

244. Eskdalemuir : H_a = 235 metres + 15 metres.

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

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

July, 1927.

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

August, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

245. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

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

246. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	11·0	230	10·9	230	11·2	230	11·2	220	12·8	220	11·6	230	13·7	220	11·6	220	11·8	210	12·6	210	13·0	210	10·6
2	—	0·1	—	0·0	—	0·1	—	0·4	—	0·1	—	0·4	170	3·4	190	11·2	200	15·4	200	17·7	210	19·0	220	18·9
3	310	10·1	320	5·6	330	5·4	310	7·7	310	9·8	310	10·0	310	6·3	350	1·8	300	3·0	290	4·4	290	7·3	290	6·0
4	—	0·1	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	140	1·7	—	0·9	150	2·0
5	350	1·6	—	0·7	—	0·2	—	0·3	—	0·1	—	0·2	—	0·1	—	0·1	—	0·0	—	1·4	170	3·5	240	5·6
6	—	0·1	—	1·0	—	0·5	140	2·1	150	2·3	—	1·0	—	1·2	160	2·1	150	2·7	(190)	2·5	(240)	3·0	200	5·8
7	200	4·6	190	5·2	150	2·2	150	3·0	—	0·5	—	0·5	—	0·3	—	0·1	—	0·3	—	0·4	—	0·1	—	0·2
8	—	1·4	—	0·9	360	2·5	—	1·5	350	2·8	360	2·7	—	1·5	40	4·0	50	4·5	40	2·4	50	2·5	—	1·5
9	110	3·3	120	1·8	130	2·1	—	0·8	—	1·0	—	0·7	—	0·7	—	1·0	160	2·8	160	4·0	150	4·1	150	3·3
10	—	0·4	—	0·6	360	2·1	360	2·0	360	2·0	—	1·3	—	0·9	—	0·3	—	0·2	70	2·0	70	4·2	60	3·6
11	40	3·8	40	4·2	40	4·5	20	5·0	20	4·5	30	5·0	30	5·1	30	4·3	40	4·0	50	3·6	60	3·5	(60)	(3·5)
12	—	1·0	—	1·0	360	(2·0)	—	(1·0)	—	0·2	—	1·3	—	0·8	280	2·3	290	1·8	280	2·0	—	0·3	330	2·1
13	—	0·2	—	0·5	—	0·1	—	0·2	—	0·2	—	0·6	—	0·9	170	1·8	140	2·1	270	5·4	240	4·5	260	3·1
14	—	1·1	20	2·5	10	2·1	—	1·3	20	3·1	20	3·0	10	2·0	20	4·6	20	4·0	20	4·4	20	5·7	30	5·0
15	—	1·2	—	0·4	—	0·5	—	0·4	—	0·4	—	0·1	—	0·0	—	0·0	—	0·2	200	3·1	230	6·0	220	6·0
16	350	2·8	—	1·3	110	2·4	—	1·5	—	1·4	160	1·6	—	1·4	360	1·8	280	2·0	260	3·9	190	4·8	220	5·2
17	280	5·7	280	7·4	290	7·8	280	8·4	280	8·7	280	10·5	280	8·3	260	6·3	270	8·3	270	8·4	290	11·5	290	12·7
18	280	5·2	310	5·6	290	8·4	280	6·5	290	7·3	290	5·0	300	3·0	—	1·3	280	2·6	270	4·2	270	4·7	240	5·7
19	220	6·3	230	8·4	240	10·3	240	11·5	240	11·7	240	10·3	250	9·0	270	7·8	260	6·1	(260)	(5·7)	260	5·2	270	6·2
20	310	5·3	310	5·5	330	3·1	—	1·5	—	0·7	280	2·0	—	0·6	—	0·1	—	0·1	—	0·9	280	3·5	270	3·5
21	—	0·0	—	0·1	—	0·3	—	0·1	—	0·4	—	0·5	—	0·5	—	0·2	—	0·2	—	0·0	—	0·2	—	0·4
22	80	6·1	80	6·6	90	2·2	100	3·5	110	4·2	110	4·0	80	4·1	70	4·4	90	5·1	100	6·0	100	6·4	100	7·0
23	50	7·6	40	7·9	30	8·4	40	8·7	40	8·6	40	6·5	40	6·4	30	6·5	30	7·5	30	7·5	30	7·7	30	6·9
24	—	0·1	—	0·1	—	0·1	—	0·2	—	0·4	—	0·1	—	0·3	180	2·6	180	3·8	200	5·1	210	6·0	210	7·4
25	200	8·3	220	11·6	220	12·6	220	11·3	230	10·5	220	10·6	220	10·5	220	11·9	220	11·1	230	13·1	220	13·6	220	13·5
26	230	10·5	240	12·3	240	13·6	240	12·6	230	10·2	230	9·5	220	8·6	230	11·7	220	11·5	(200)	(10.5)	200	10·3	200	10·3
27	190	12·5	180	9·5	180	15·2	190	20·3	200	21·4	220	18·5	230	16·0	230	14·3	240	14·0	220	10·5	220	11·8	220	11·5
28	230	10·2	230	12·8	240	11·1	240	10·2	210	5·5	210	5·3	180	4·0	190	5·0	180	4·6	170	4·6	170	5·4	150	5·2
29	250	13·2	260	16·7	270	20·5	270	18·0	270	15·8	260	16·4	250	16·1	260	15·2	260	15·6	240	10·4	250	12·3	240	11·1
30	170	4·5	180	4·3	180	6·1	180	7·7	200	9·9	200	8·8	210	7·7	200	7·6	190	8·5	170	6·2	180	6·5	190	12·2
31	220	11·1	220	9·9	230	7·8	240	6·2	240	5·5	220	3·7	—	1·5	220	3·4	220	3·4	230	4·5	230	4·8	260	5·9
Mean ...	—	4·8	—	5·0	—	5·3	—	5·3	—	5·2	—	4·9	—	4·3	—	4·7	—	5·1	—	5·5	—	6·2	—	**6·5**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

September, 1927.

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

October, 1927.

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

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day

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

247. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

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

248. Eskdalemuir : $H_a = 235$ metres + 15 metres.

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

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

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres. **November, 1927.**

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

December and Year, 1927.

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

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES TUBE ANEMOGRAPH.

249. Eskdalemuir : H_a = 235 metres + 15 metres. **1927.**

Day.	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	17	16 38	8	0 15	13	16 0	11	14 0	11	17 50	9	2 45	**16**	17 10	12	10 35	10	11 0	20	7 0	22	14 20	3	18 40
2	23	21 15	13	13 25	19	23 30	13	14 20	16	13 20	13	12 40	14	2 5	13	12 30	9	14 45	30	14 20	19	10 40	6	21 20
3	21	1 25	**28**	22 15	**29**	3 40	13	12 30	15	19 0	13	12 0	13	11 50	11	9 45	7	13 0	17	0 30	19	14 5	9	18 5
4	17	13 15	23	2 15	18	15 45	15	19 50	9	23 35	17	13 20	15	16 15	5	14 40	9	21 55	6	13 40	19	0 55	8	2 10
5	10	18 5	20	22 40	12	4 50	20	18 10	13	7 55	14	15 45	14	17 35	7	12 55	10	18 0	8	12 25	21	10 15	17	18 10
6	19	11 20	15	0 1	20	11 5	15	15 40	10	6 5	8	15 0	11	9 45	11	13 40	6	11 45	9	14 15	12	17 50	17	0 20
7	12	0 5	10	11 20	4	16 20	12	15 40	7	6 35	9	16 25	16	13 40	11	12 0	13	8 10	7	1 55	13	13 40	9	9 50
8	23	22 10	8	0 10	11	15 15	10	0 45	9	17 0	13	15 30	9	16 35	10	15 40	24	23 5	7	7 30	12	10 20	5	23 30
9	25	13 30	10	19 30	10	14 10	16	17 15	12	14 5	14	13 25	12	10 5	7	9 40	24	5 35	7	10 25	18	21 50	7	17 10
10	28	6 5	7	2 50	9	14 40	20	10 5	14	14 40	12	17 15	8	20 35	13	10 45	9	13 5	7	15 50	21	4 20	11	12 55
11	19	14 30	7	21 35	15	16 0	18	10 30	12	23 10	11	3 20	9	14 15	13	14 30	14	7 55	7	5 40	15	2 20	15	21 50
12	25	18 15	5	6 25	13	13 5	19	23 55	10	11 40	9	15 0	8	4 35	7	20 40	8	18 25	5	14 50	15	1 45	10	2 0
13	26	4 0	9	20 25	11	16 20	17	0 10	8	14 20	9	17 30	5	19 25	9	22 25	7	17 5 22 0	10	9 50	15	10 30	6	23 45
14	14	0 40	10	19 55	10	12 30	19	15 35	13	13 40	9	8 10	8	15 5	9	3 30	14	12 55	10	13 10	11	16 40	16	20 50
15	11	12 30	10	3 30	11	11 20	19	0 5	14	1 25	11	16 25	10	17 25	13	13 0	12	6 25	9	18 45	4	18 20	15	6 35
16	8	20 5	7	12 45	10	15 25	11	1 35	13	15 50	18	16 55	9	13 50	9	14 45	14	17 45	18	22 20	12	20 55	9	9 25
17	6	2 0	10	16 25	11	15 15	14	17 20	9	12 35	13	16 40	10	8 40	9	13 20	15	23 40	22	11 50	11	22 10	7	23 35
18	8	18 10	9	9 25	13	15 5	11	18 25	11	14 0	17	13 50	7	20 10	10	12 20	15	7 40	14	3 0	18	9 35	7	14 10
19	10	2 5	13	16 25	13	21 10	15	10 20	14	18 25	20	18 35	7	13 30 19 15	11	17 20	17	17 0	17	5 15	21	7 30	10	2 40
20	8	18 10	10	13 5	17	11 40	22	15 45	**22**	15 50	15	0 2	6	15 25	11	11 20	14	1 0	9	1 40	19	20 35	18	16 30
21	10	6 40	11	17 45	12	15 45	21	2 20	15	21 50	**22**	16 25	9	2 50	13	14 5	10	13 50	13	19 20	20	5 30	11	9 5
22	5	3 25	10	23 10	22	10 55	**26**	3 50	16	6 25	19	19 25	5	6 25	10	0 10	15	23 50	12	11 40	9	0 5	**22**	8 15
23	17	22 0	13	15 10	16	7 45	23	5 40	15	19 10	13	13 55	13	12 45	11	14 25	18	2 5	14	5 0	**25**	21 55	19	8 50
24	26	20 0	8	0 35	11	1 30	18	18 35	11	0 40	13	10 40	14	13 10	11	18 15	7	11 45	13	18 50	19	0 5	15	16 40
25	24	16 15	8	18 10	19	11 35	16	10 25	8	15 20	17	23 50	16	15 15	8	16 45	11	9 0	22	22 50	17	23 0	19	10 45
26	23	19 15	15	21 50	8	12 15	17	13 15	9	11 40	18	1 20	12	0 35	14	15 35	11	23 10	18	3 5	17	2 25	16	10 30
27	27	4 25	7	0 10	11	17 20	18	12 15	13	17 25	15	2 5	7	7 55 12 40	**21**	11 30	9	0 10	30	5 5	17	2 20	16	5 40
28	**39**	12 55	11	7 40	7	17 5	15	13 55	10	9 50	16	5 50	12	16 55	11	14 35	**26**	24 0	26	19 20	20	13 10	9	0 20
29	22	13 20	—	—	10	13 5	18	17 35	7	12 15	10	13 0	11	23 30	13	12 5	25	0 50	**33**	2 45	11	19 10	17	22 30
30	20	5 25	—	—	22	19 5	14	14 30	9	8 55	13	17 40	15	16 5	7	13 30	17	15 15 19 45	21	12 35	5	12 20	22	3 10
31	19	0 5	—	—	12	1 5	—	—	9	18 55	—	—	15	17 50	10	15 15	—	—	17	0 30	—	—	8	10 40

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

250. Eskdalemuir : H_a = 235 metres + 15 metres. **1927.**

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No. Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	13th, 26th, 28th	17	20	143	253	213	118	0	210	24·1	28	13	39	28 12 55
Feb.	—	—	3	22	97	348	205	0	210	15·9	3	22	23	3 22 15
Mar.	3rd	3	8	47	259	286	149	0	300	19·9	3	3	29	3 3 40
Apr.	—	—	12	72	347	195	106	0	240	18·4	22	4	26	22 3 50
May	—	—	2	6	271	316	151	0	230	16·1	20	16	22	20 15 30
June	—	—	6	26	311	268	115	0	210	14·7	22	12	22	21 16 25
July	—	—	2	7	212	366	159	0	40	12·0	1	17	16	1 17 10
Aug.	—	—	1	13	165	373	193	0	240	13·6	27	10	21	27 11 30
Sept.	8th, 28th, 29th	4	7	34	221	299	162	0	200	18·3	28	24	26	28 24 0
Oct.	2nd, 27th, 29th	8	11	90	203	258	185	0	200	21·4	27	5	33	29 2 45
Nov.	23rd	1	17	78	336	193	112	0	200	17·4	23	22	25	23 21 55
Dec.	—	—	10	27	246	323	148	0	80	15·6	30	3	22	22 8 15
Year	11 days.	33	99	565	2,921	3,438	1,803	0	210	24·1	Jan. 28	13	39	Jan. 28 12 55

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

Readings, in degrees absolute.

251. Eskdalemuir. **1927.**

Month	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	74·5	72·9	78·6	71·5	**62·8**	77·5	80·9	83·5	83·2	79·8	75·0	67·5
2	78·9	62·6	77·0	65·3	74·9	74·0	81·5	77·1	79·4	73·9	84·3	69·1
3	76·5	73·0	76·4	72·7	78·8	74·0	80·9	83·9	76·2	73·9	83·6	74·0
4	67·5	74·6	74·5	68·2	81·5	71·5	84·9	75·9	78·8	70·3	83·4	73·0
5	63·8	69·9	75·5	76·0	78·9	77·5	80·7	82·6	80·7	68·7	72·7	72·5
6	73·7	73·0	74·1	71·2	77·1	73·7	81·0	83·4	86·2	80·6	71·6	76·2
7	74·0	74·9	67·8	72·0	77·0	71·1	83·1	87·3	84·6	75·1	69·9	74·9
8	69·9	72·0	72·0	73·0	78·0	76·8	77·1	83·3	76·8	73·9	**62·6**	76·6
9	78·2	63·3	70·9	69·0	78·3	71·1	79·0	84·1	83·2	82·2	63·7	73·0
10	79·5	70·4	70·1	73·3	76·6	**67·8**	83·7	84·2	76·4	69·9	70·2	76·0
11	78·7	**61·8**	69·8	68·1	73·3	70·7	85·6	85·6	75·0	78·3	69·1	74·4
12	73·9	64·2	70·1	66·3	70·0	73·8	83·9	78·7	71·8	77·2	67·0	73·4
13	73·0	62·8	**66·9**	79·0	73·3	74·4	84·4	82·9	78·2	75·1	63·3	72·6
14	72·4	72·0	69·5	76·1	77·9	70·8	83·8	84·8	78·5	77·0	72·0	71·3
15	72·9	77·0	67·8	73·2	76·6	69·5	79·0	85·7	78·2	77·1	65·9	72·7
16	71·0	76·5	74·1	71·1	73·0	79·0	82·6	80·8	**70·0**	74·3	73·5	**62·4**
17	68·9	74·6	71·8	74·4	72·7	83·0	**76·7**	77·0	73·0	80·6	78·4	63·8
18	67·4	70·9	69·5	78·8	68·3	81·0	77·0	75·0	75·9	73·5	75·0	**63·7**
19	68·9	66·4	78·8	79·6	72·0	74·2	77·8	82·1	74·8	73·3	75·6	63·9
20	**60·9**	75·5	79·1	79·3	77·0	78·0	79·1	**74·0**	79·5	67·8	75·4	**62·4**
21	72·0	77·0	78·2	80·3	77·0	81·1	86·1	79·8	81·6	**66·0**	75·6	69·5
22	65·1	75·3	77·0	79·6	77·0	76·0	83·0	84·0	80·9	75·8	74·9	72·5
23	72·3	73·7	73·7	74·7	67·7	78·9	81·3	83·4	77·0	79·4	76·5	74·6
24	75·0	73·0	73·6	73·7	83·1	76·0	79·0	76·8	72·0	69·8	75·5	73·2
25	78·5	69·0	72·0	73·0	73·7	75·8	79·1	75·2	73·1	82·2	74·8	72·1
26	74·9	76·2	70·4	69·7	74·1	77·2	85·0	76·0	79·0	82·2	78·2	69·5
27	73·9	76·1	71·4	66·8	75·0	80·1	82·5	84·6	71·8	81·9	79·1	70·4
28	73·5	72·0	72·2	**62·9**	69·7	80·2	84·5	81·6	70·3	80·1	68·7	67·5
29	72·6	—	69·8	67·6	70·4	79·0	78·2	78·1	79·9	79·9	70·8	63·2
30	73·3	—	78·0	66·6	71·9	79·4	86·9	77·3	72·8	77·2	68·0	70·2
31	73·7	—	71·2	—	73·5	—	85·9	83·0	—	79·3	—	62·8
Mean	72·6	71·5	73·0	72·4	74·6	75·8	81·7	81·0	77·3	76·0	73·1	70·3

NOTES.—(1) The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 is written 75·0.
(2) The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.
(3) Annual Mean 275·0.

252. Eskdalemuir. **January, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St-Cu.	St-Cu.	Nb : St-Cu.	10	10	10	9	10	10	j	j	k	k	j	j	...	p●0	...	...	p●0	...	bc, op ●0, o *a* : c, p ●0 *p* : o, p ●0 *n*:
2	St-Cu.	St-Cu.	St.	10	10	10	10	10	10	j	j	j	I	i	h	...	d_0	...	...	...	...	op ●0, oid_0, o *a*:o, om_0 *p*:oid_0 m_0, o m_0 *n*.
3	St-Cu.	Cu : St-Cu.	St : Fr-St.	3	8	6	7	4	5	j	j	j	j	j	j	...	...	...	...	...	...	o ●early, c, bc *a*: bc, c, o ●*p* : bc, cp✻0 *n*.
4	St.	Fr-Cu.	—	1	7	1	3	0	1	j	k	k	k	j	j	...	...	...	...	...	...	b, bc, o✻0 m_0, b *a* : op✻ m_0, b *p*:b *n*.
5	Nb.	St.	St : Fr-St.	10	10	10	9	3	4	f	h	F	j	j	j	✻	...	...	...	...	...	o✻m, o ●d_0, om *a* : c, o ●0, bc *p*: bc, c *n*.
6	Nb.	St-Cu.	Nb : A-St.	10	8	9	8	10	7	h	j	j	k	j	i	●0	...	...	...	●	...	od_0m_0, o ●0m_0, *ca*:c, o ●, q at 17h *p*:o●, *cn*.
7	St.	St-Cu.	A-Cu.	10	10	8	3	1	8	h	h	j	k	k	i	...	●0	...	...	...	...	om_0e, o ● d m_0, c *a* : c, b ⌴ *p* : bc ♕ 18h, cm_0 ⌴ *n*. [cp ●0 *n*.
8	St.	Nb.	Nb : Fr-Nb.	10	10	10	10	9	7	l	F	F	h	j	j	...	...	●0	●	●0	...	om, ofe, od ● m *a* : o ● m, c *p* : ci ●0, bc.
9	St-Cu.	St-Cu.	Fr-Nb : St-Cu.	10	10	9	10	9	10	j	F	j	j	h	h	...	●	...	...	...	●	b, c, o, o ● m, c *a*:cq, oi ●, cm_0 *p*:oi ● m_0 *n*.
10	St-Cu.	Nb : St-Cu.	St-Cu.	6	7	10	10	10	10	j	k	k	j	j	j	...	...	d_0	...	...	...	oi ● m_0, ⩳ 6h, bc, pd_0 *a* : opd_0 p : o *n*.
11	Nb.	Nb.	St-Cu.	10	10	10	10	10	5	h	G	F	G	j	k	d_0	d_0	d_0	●0	...	...	oid m_0, od_0 f *a* : o ● m_0, o *p* : cp ●, bc *n*.
12	St-Cu.	Nb.	Nb.	4	10	10	10	10	10	j	h	j	I	h	h	...	...	●	●	●0	●	oi ●, bc, om_0 *a* : o ●, o ●0 m_0 *p* : o ●, o ●2 m_0 *n*.
13	Nb.	Nb.	Nb.	10	9	10	10	10	9	h	j	j	I	h	j	✻	...	✻	d_0	d_0	...	o ● m_0, ⩳ 3-4h, oi ✻ m_0, c, o ✻ *a* ; od_0 m_0 *p* : om_0 c *n*.
14	St-Cu.	St-Cu.	Nb : St-Cu.	8	7	10	10	10	10	j	k	k	j	j	j	...	...	...	...	d_0	d_0	bc, c, o *a* : o, oid_0 *p* : od_0 *n*.
15	St.	St : St-Cu : Ci.	St-Cu : A-St.	10	10	6	8	10	9	i	I	j	j	j	j	...	...	...	...	...	...	od_0, oi ●0, om_0, bc *a* : bc, o⌴ *p* : c ⌴ *n*.
16	St-Cu.	St.	St-Cu.	6	6	10	10	9	7	j	j	I	I	i	j	...	...	...	pd_0	...	...	bc ⌴, cp ●0, o p ✻0 at 10h 15m, om_0 *a* : op ✻0, opd_0 *p* : bcp ✻0, bc *n*.
17	St-Cu.	St : A-St : Ci-St.	St-Cu : A-St.	9	7	8	6	7	7	j	j	k	k	j	j	...	...	...	...	...	...	bc⌴⊕0, c⌴ *a* : bc⌴ *p* : bc⌴, ⓤ 21h *n*.
18	Cu : St-Cu.	Cu : St-Cu.	St-Cu.	3	6	6	7	9	8	k	k	j	j	j	j	...	...	...	...	...	...	bc⌴ *a* : bc m_0, c *p* : cp ✻, c, bc⌴ *n*.
19	St-Cu.	Ci.	A-St.	1	1	2	4	1	2	j	k	k	j	h	h	...	...	...	...	...	...	b⌴, b *a* : bc, b⌴ m_0 *p* : b⌴ m_0, ⓤ *n*.
20	Ci.	St-Cu.	Nb.	2	1	10	8	10	10	j	j	j	j	h	h	...	...	...	...	✻0	✻0	b⌴, o⌴ *a* : c, o ✻0 m_0 *p* : o ✻0 m_0 *n*.
21	St : St-Cu.	Nb.	Nb.	9	9	10	9	9	3	j	I	h	h	h	j	...	...	✻0	✻0	✻0	...	✻ 7 cms, o ✻ m_0, c, o ✻0 m_0 *a* : oi ✻0 m_0 *p* : ci ✻0 m_0, bc *n*.
22	St : St-Cu.	Nb.	St.	9	8	10	10	10	10	h	I	I	I	i	i	...	...	✻0	p✻0	...	...	✻ 5 cms., cm_0, op ✻0 m_0, p △ 10h 7m, o ✻0 m_0 *a* : op ✻0 m_0, cm_0 *p* : om_0 *n*.
23	St.	St : St-Cu : Ci.	St : St-Cu.	10	8	9	8	10	8	g	G	h	j	j	j	...	...	...	...	...	...	✻ 1 cm. om_0, op ● 11h *a* : cm_0, c *p* : o, c, o ●, c *n*.
24	Nb.	St-Cu.	Nb.	10	10	10	10	10	10	i	I	j	j	j	j	●	...	...	...	●	●	c, oi ●m_0, o *a* : oi ● ⩳ 15-16h *p*:o ●m_0 *n*.
25	Nb.	St.	St-Cu.	10	10	10	9	8	10	g	h	D	I	i	j	●0	●0	...	...	...	p●	o, o ●0 m_0, ofe *a* : o ● m_0, cm_0, oi ● q *p* : cm_0, op ● △, p ●, c *n*.
26	St-Cu : A-St.	Nb.	Nb.	9	10	10	10	10	8	j	I	h	k	j	i	...	...	●0	...	●	p●	c, cp ●0, om_0, o ●0 m_0 *a* : o ●0 m_0, ⩳ 15-18h *p* : o ●, ⩳, cp ● m_0 ⩳ *n*.
27	Nb : St-Cu.	Nb : St-Cu.	St-Cu.	10	7	10	10	10	8	i	j	j	I	j	j	...	...	...	p✻0	...	...	op ●, ▲ 4h, o ● ▲ q, bc, op ▲ ● m_0 *a* : op ✻0 m_0, cp ✻0 p : bc, c *n*.
28	Nb : St-Cu.	Nb.	St-Cu.	10	10	10	10	10	3	i	I	I	I	j	j	p●0	d_0	●2	...	...	...	oi ●0, p ●0 m_0, od_0 m_0 ⩳ 9-13h, o ●2 m_0 *a*:om_0 ⩳ 13-18h *p*:bc ⩤ 18-21h, b *n*.
29	Nb.	St : Ci.	St-Cu.	10	10	9	9	4	4	h	I	I	j	j	j	✻	✻0	...	...	...	...	✻ 4 cms. o ✻ m_0, cm_0 *a* : c, bc *p* : b, bc, ⩤ 23h 15m *n*.
30	St-Cu.	Cu-Nb : Ci.	Nb.	10	9	5	8	10	6	j	j	k	k	j	i	...	...	...	...	●	...	op ●, c, op ✻ △, bc *a* : bc, c p. op ●, ci ●, bcm_0 *n*. [bc p ●0 *n*,
31	St-Cu.	Nb : A-Cu.	St-Cu.	9	10	9	7	4	7	j	h	j	k	k	j	...	p●	p✻	p●0	...	p●0	op ●, cp ✻ *a* : cp ● △, bc *p* : b.
Mean Cloud Am'nt				8·0	8·3	8·6	8·5	8·0	7·3													

253. Eskdalemuir. **February, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St-Cu.	St-Cu : Ci.	St-Cu.	5	9	7	6	2	0	j	j	k	j	j	j	...	...	...	...	...	...	cp ✻, bc, c *a* : bc, cp ●0 14h 25m, b
2	—	Ci.	St-Cu.	0	0	2	8	10	10	j	j	j	j	j	j	...	...	...	...	...	...	b⌴, b *a* : c ⊕, o *p* : o *n*. [⌴ *p* : b⌴ *n*.
3	Nb.	Nb.	St.	10	10	10	10	10	10	h	F	F	G	f	g	●0	●	d	d0	...	●0	o, o ●0 m, o ● d m *a* : oid_0 m_0, om_0 *p* : o m_0, o ●0 *n*.
4	Nb.	Nb : St-Cu.	St-Cu.	4	4	6	7	3	3	j	j	j	j	j	j	p●0	...	p●0	p●0	...	...	bc, p ●0, bc *a* : bcp ●0 *p* : bc *n*.
5	St : St-Cu.	Nb.	Nb : St-Cu.	10	10	10	10	9	7	j	h	h	G	j	j	...	●0	●0	●	...	...	b⌴, o ●0 m_0 *a*:o ●m_0, o *p*:c, cp ●0, bc *n*.
6	St-Cu.	Cu : A-Cu.	St-Cu.	1	3	3	4	10	4	j	j	j	j	h	j	...	...	...	...	...	p●0	b, bc *a* : b, om_0 *p* : bcp ●0 *n*.
7	St : St-Cu.	Cu : St-Cu.	Nb.	9	10	9	10	10	10	j	j	j	j	h	i	...	...	...	p●0	●0	...	bcp ●0, c *a* : op ●0, o ● m_0 *p* : oi ●0 m_0, o m_0 *n*.
8	St Cu.	St-Cu.	—	9	10	8	4	0	2	j	k	j	j	j	h	...	...	...	...	...	...	om_0, c *a* : bc, b⌴ *p* : b⌴ m_0 *n*.
9	St-Cu.	St-Cu.	St-Cu.	10	6	10	9	10	9	j	j	I	I	h	i	...	...	...	...	...	...	o⌴, op✻0 m_0 *a* : cm_0 o⌴m_0 *p* : c⌴m_0 n.
10	St-Cu.	St-Cu.	—	10	9	7	2	0	1	i	I	h	I	h	h	...	...	...	...	...	...	o⌴m_0, bc⌴0 *a*:bc m_0, b⌴m_0 *p*: b⌴m_0 *n*.
11	St.	—	—	9	5	0	0	0	0	g	G	h	h	h	g	...	...	...	...	...	...	c⌴ m_0, b z0 *a* : bz, b⌴ m_0 *p*:b⌴ m_0 *n*.
12	St-Cu.	St.	—	9	10	10	0	0	0	g	h	h	G	f	f	...	...	...	...	...	...	c ⌴ m_0, om_0 *a* : bm_0 *p* : b ⌴ m *n*.
13	St.	St-Cu : A-St.	Nb.	10	10	9	9	10	10	f	F	G	h	g	g	...	...	...	...	●0	●	o⌴m, cm_0 *a* : cm_0, o ●0 m_0 *p* : o ●m_0 *n*.
14	St.	Nb.	St.	10	8	10	10	10	10	c	l	C	F	c	f	...	...	d_0	d_0	...	...	od_0 fe, c⌴, od_0 f *a* : od_0 f, od_0 m_0, ofe
15	Nb.	St.	St.	10	10	10	10	10	10	D	C	C	F	d	c	d_0	...	...	...	...	...	ofe, *a*, *p and n*. [*p* : om e *n*.
16	St.	St : A-Cu.	St.	10	10	10	10	10	10	C	C	F	C	c	g	...	...	...	...	...	...	ofe, om *a* : of *p* : om_0, *n*.
17	St.	St-Cu : Ci.	St-Cu : A-St.	10	10	9	10	10	7	D	F	j	j	j	j	...	...	...	...	...	...	ofe, c *a* : o *p* : o, bc *n*.
18	St-Cu.	Cu : Ci-St : Ci.	St-Cu.	6	2	8	7	7	2	k	k	j	j	j	i	...	...	...	...	...	...	bc, b, c *a* : c, bc *p* : b⌴ m_0 *n*.
19	St-Cu.	Nb.	Nb.	10	10	10	10	10	10	I	I	h	G	f	f	...	...	d_0	●0	●0	d_0	o⌴ m_0, od_0 m_0 *a* : o ●0 m *p* : od_0m *n*.
20	St.	St-Cu : A-St.	St : St-Cu.	10	10	10	10	8	10	C	k	k	k	j	j	...	...	...	...	...	...	ofe, o *a* : o, oid_0, c *p and n*.
21	St.	Nb.	St.	10	10	10	10	10	10	C	E	G	D	d	h	...	...	d_0	...	d	...	of, od_0 m_0 *a* : oidf *p* : om_0 *n*.
22	Nb.	St-Cu.	Nb.	10	10	10	10	10	10	I	G	I	h	h	h	●0	...	...	●	●0	...	o ●m_0, om_0 *a*:o ●0 m_0 *p*:oi ●0 m_0, om_0 *n*.
23	St-Cu.	Nb : St-Cu.	St-Cu.	5	4	10	9	9	10	j	j	j	I	j	h	...	...	...	●	...	...	o, c, bc, op ●0 *a* : oi ● m_0, c *p* : om_0 *n*.
24	St.	St-Cu.	St-Cu.	10	6	9	9	8	3	I	j	j	k	j	j	...	...	...	...	...	...	om_0, op ✻0, bc, c *a* : c *p* : c, b, bc *n*.
25	A-St.	Ci-St.	St-Cu.	1	2	4	10	10	10	E	F	j	k	h	h	...	...	...	...	...	●0	bf ⌴, bcy *a* : bcy, op ●0, om_0 *p* : oi ●0 m_0 *n*.
26	St.	St : Nb.	St-Cu : Ci-St.	10	10	10	10	9	10	h	G	h	I	i	h	...	...	●0	●	...	●	o ● m_0, om_0, o ●0 m_0 *a* : oi ● m_0, cm_0 *p* : o ● m_0 *n*.
27	St : St-Cu.	Cu : St-Cu.	Fr-Cu : St-Cu.	10	9	7	9	7	5	j	j	j	j	j	j	...	p●0	...	...	...	...	om_0, cp ●0, c *a* : c, cp ●0 *p* : c, bc, *n*.
28	St-Cu : A-St.	Nb.	St : St-Cu.	10	10	10	10	10	10	j	I	I	j	i	h	...	●0	●	●0	...	●0	o, o ● m_0 *a* : o ● m_0, om_0 *p* : o ●0 m_0 *n*.
Mean Cloud Am'nt				8·1	7·7	8·1	8·0	7·6	6·9													

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

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	Nb : St-Cu.	St-Cu.	10	10	10	9	10	10	I	I	I	j	k	h	...	●0	●0	...	...	...	oi ●0m0 *a* : o ●0m0, c, o *p* : o, o ●0,
2	St-Cu.	St-Cu.	Nb.	7	9	10	10	10	10	k	j	j	h	h	h	...	...	...	●	●0	●0	c,bc,o *a*:o ●,o ●0m0 *p and n.* [oid0m0 *n.*
3	St-Cu.	Nb : St-Cu : A-Cu.	St-Cu.	9	1	9	6	4	9	k	k	k	k	k	h	...	...	p●0	...	...	...	c, bc, cp ●0 *a* : bcy, bc *p* : bc, cm0 *n.*
4	Nb.	Nb.	St : Fr-Cu.	10	10	10	8	10	8	G	I	h	j	j	j	●0	●0	●	...	...	...	o ●m0, oi ●m0*a* : oi ●m0, c, op ●0 *p* :
5	Nb.	St-Cu.	Nb : A-St.	10	10	10	10	10	7	I	I	j	I	I	j	●	●0	...	d0	●	...	o ●0m0,c,op ●0 *a* :od0m0, [op ●0,c *n.* o ●m0*p* : o ●0m0, bc *n.*
6	St-Cu.	St-Cu.	Fr-Cu : St-Cu.	10	9	9	2	1	4	k	k	k	l	k	j	...	...	...	...	...	...	o, c, o ●0, c *a* : c, b *p* : b, bc *n.*
7	St-Cu.	St.	Fr-St : St-Cu.	8	10	10	10	9	10	k	k	j	j	j	h	...	p✱0	...	...	...	●	c␣, op✱0, o *a* : o, cp ●0 *p* : c, o ●m0 *n.* [c, oi ●0 *n.*
8	St-Cu.	St-Cu.	Cu : St-Cu.	8	9	9	6	7	10	k	j	h	j	k	j	...	...	...	...	p●0	●0	o ●m0, o✱, cm0 *a* : bc, bcp ●0 *p* :
9	Nb : St-Cu.	Cu.	Cu : St-Cu.	5	4	4	6	8	9	k	j	k	l	k	k	...	...	...	...	...	...	o, bc, bcp ●0, bcy *a* : bcy, c *p* : bc,c *n.*
10	St-Cu.	Cu : St-Cu.	Nb : St-Cu.	3	8	7	7	8	4	k	j	k	k	k	j	...	...	...	...	▲	...	bc␣, c, bcy *a* : bcy, cp▲ *p* : cp, ⩽ 19h 30m–20h 45m, bc *n.*
11	St-Cu.	St-Cu.	St-Cu.	3	2	8	8	3	1	k	k	j	k	k	k	...	...	...	p●0	...	...	bc␣, b, cp ●0 *a* : cp ●0, p △ 16h, bc *p* : bc, p ●0, b *n.*
12	Cu : St-Cu.	Cu : St-Cu.	Cu.	3	3	6	5	4	3	k	j	k	k	k	k	...	...	...	p●0	...	...	bc␣, bcy *a* : bcy, bcp ●0, bc *p* : bc *n.*
13	St-Cu.	St-Cu.	St-Cu.	7	8	9	9	5	1	k	j	k	k	k	j	...	...	...	...	...	...	bc␣, cp✱0 7h 40m, op✱ *a* : cp ●0, bc *p* : bc, b *n.*
14	Cu : St-Cu.	Nb : St-Cu.	St-Cu.	8	7	8	8	8	10	j	j	j	j	I	j	...	...	...	...	...	...	c␣, bc, cy *a* : c, cz0 *p* : cz0, o *n.*
15	Cu : St-Cu.	A-Cu : Ci-St : Ci.	St.	6	4	7	10	10	10	j	j	j	I	I	h	...	...	...	...	...	●0	bc␣,bcy *a*:bcy, oz0y *p* : oz0 : o ●0m0 *n.*
16	St : Cu : Ci-St.	St-Cu : Ci-St.	St-Cu : A-St.	8	9	7	10	10	10	j	j	j	j	h	h	...	...	...	...	...	...	o ●0m0, c, bcy ⊕ *a* : bcy ⊕, oy z0 *p* : o z0 ⊔ *n.*
17	St : St-Cu : Ci-Cu.	Ci-St.	A-Cu : Ci.	9	8	6	6	8	9	h	h	j	j	I	g	...	...	...	...	...	...	cm0, bcy *a* : bcy, cz0 *p* : bm0 *n.*
18	St.	St-Cu.	St.	9	9	10	10	10	10	F	G	h	j	D	c	...	...	...	...	...	...	bm, om0 *a* : of *p* : of, ofe *n.*
19	St.	Nb.	St.	10	10	10	10	10	10	C	E	G	C	C	g	●0	d	d	...	...	●0	ofe, odf,odm0*a* :ofe *p* : ofe,id,o ●0m0*n.*
20	St.	St.	St.	10	10	10	10	10	10	C	E	h	h	F	f	...	d	...	...	...	...	o ●0f, ofe, odf, om0 *a* : om *p and n.*
21	St.	A-Cu : A-St : Ci.	St-Cu : A-Cu.	10	8	9	6	8	8	C	j	j	j	j	j	...	...	...	...	...	...	ofe, o, c *a* : bcy, c *p* : c *n.*
22	Nb.	St.	St : St-Cu.	10	10	10	9	9	9	F	I	I	I	j	h	●	...	...	...	...	...	o ●m, om0 *a* : cm0 c *p* : cm0, b *n.*
23	Nb : Fr-Nb.	St : Nb.	Nb : Fr-Nb : St-Cu.	10	9	10	10	9	6	I	I	I	I	j	j	d	d	●0	●0	p●0	...	bc, cdm0, o ●0m0 *a* : o ●m0, cp ●0 *p* : bc, b *n.* [*p* : c, bc *n.*
24	Fr-St : A-St : Ci.	St : Fr-St.	Nb : St-Cu.	9	10	10	9	9	8	I	j	I	j	j	j	...	...	...	...	...	...	cp ●0, cm0, oi ●0m0, om0 *a* : c, cp ●0
25	St : Fr-St.	Nb.	Nb.	10	7	10	10	10	8	j	j	I	j	I	i	●0	...	●	●0	✱0	p●0	c, o ●, bc, o ●m0 *a* : o ●m0, o✱0m0 *p* : o✱0m0, cp ●0m0 *n.*
26	St.	St-Cu.	Cu-Nb : Nb : St-Cu.	10	10	10	9	9	8	I	I	h	h	j	j	...	...	...	...	...	...	⊠<1 cm. bc, o, om0 *a* : o, c z0 *p* : op ●, cp ●0, c *n.* [cp ●, bc *n.*
27	St.	Cu-Nb : Cu.	Cu-Nb : Nb : Cu.	10	7	8	8	9	4	h	j	k	k	j	j	...	...	...	...	p●0	...	o, ofe, om0, bcp ●, c *a* : cp ●0, c *p* :
28	St-Cu.	St-Cu.	Cu-Nb : Cu : St-Cu.	9	9	9	9	8	6	l	k	j	k	l	j	...	...	...	...	...	...	op ●, c, cy *a* : cy, c *p* : c, b, bc␣ *n.*
29	St : A-Cu.	St-Cu.	Nb.	9	10	9	10	10	10	j	j	j	j	h	g	...	...	...	...	p●0	d	bc␣, c, op ●0, c *a* : o, op ●0m0 *p* : oid m0 *n.* [bc, b *n.*
30	St-Cu.	Nb : St-Cu.	Cu : Fr-Cu.	10	10	8	6	5	2	k	j	j	l	k	j	...	p●0	p●	...	...	...	o ●, oi ●, cp ● *a* : bcp ●, bc *p* :
31	St-Cu : Ci.	Cu : St-Cu : A-St.	Cu : St-Cu : A-St.	8	9	8	8	9	2	k	k	k	l	j	j	...	...	...	...	...	...	b, c, cy *a* : cp ●0, cy *p* : cy, b *n.*
Mean Cloud Am'nt				8·3	8·0	8·7	8·2	8·1	7·0													

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-St.	Cu-Nb : Cu.	Cu-Nb : Cu.	10	9	9	9	5	1	j	k	k	k	j	j	...	...	p●0	p●0	...	...	b, o, c⊕9h, cp ●0 *a* ; op ✱2△2 16h 20m–16h 45m, bc *p* : bc, b␣ *n.*
2	St : A-St.	Nb : St-Cu : A-St.	St : St-Cu : A-Cu.	10	9	10	10	9	10	k	k	j	h	j	h	...	...	...	...	...	✱0	b␣, o␣, op ●, o *a* : op✱, o✱, ✱m0, c *p* : o✱0m0 *n.*
3	St.	Cu : Ci-Cu : Ci.	Fr-Cu : Ci-St : Ci.	10	9	7	6	9	2	I	j	k	k	l	k	...	...	...	...	...	...	om0, bcy *a* : bcy, c *p* : c, b␣ *n.*
4	St : A-St.	St-Cu : A-St.	Nb : A-St.	9	6	10	10	10	10	k	k	I	h	G	G	...	...	...	●0	●	●	b␣, bc, op●0, om0 *a* : op ●0, oi ●0m0, o ●2m0 *p* : o ●m0 *n.*
5	St-Cu.	Nb : St-Cu.	Nb.	9	10	8	8	9	7	j	j	j	j	h	j	...	...	...	...	●	...	oi ●, p ●, op ●△, c *a* : op ●▲2 q, T at 14h 10m, ⩽ 17h 21m *p* : c, bc *n.*
6	St.	Nb : St-Cu.	Cu : St-Cu : A-Cu.	10	7	7	7	3	8	D	j	k	m	j	j	...	...	p●0 △0	...	...	●0	bc, ofe, bc, bcp ●△ y *a* : bcy () *p* : bcy, c ●0 *n.* [cp ●, bc *n.*
7	St : St-Cu.	Cu-Nb : Cu.	Cu-Nb : St-Cu.	8	7	6	6	8	4	I	j	k	j	j	j	...	...	...	...	...	...	op ●, cm0, cp ●, bc *a* : bcy, cp ●0 *p* :
8	Nb : St-Cu.	Cu : Fr-Cu.	Cu : A Cu : Ci.	9	10	6	6	4	8	j	j	k	j	k	j	p●0	...	...	...	...	...	bc, cp ●0, o, bcy *a* : bcy *p* : c, cp ●0 *n.*
9	Ci.	) St-Cu.	Cu : Ci.	3	5	8	7	3	2	k	k	k	k	j	j	...	...	...	...	...	...	cp ●0, b␣, cy *a* : bcy, cp ●0 q, bc *p* : bc, cp ●, b *n.*
10	St : St-Cu.	St-Cu.	St-Cu.	9	5	7	5	5	2	k	k	k	k	l	k	...	...	...	...	...	...	cp ●, c, bc, p ●△ 10h 10m, bc *a* : bcp ●, bcy *p* : bc, b *n.*
11	Nb.	Nb : St-Cu.	St-Cu.	10	10	10	6	4	0	h	h	k	k	l	k	●	...	p ●	...	...	...	b␣, c, o ●m0, o✱m0 8h 30m, c, op ● *a* : c, bcy *p* : bcy, b *n.*
12	St-Cu.	St-Cu.	St-Cu.	7	8	10	10	10	10	l	k	k	l	j	j	...	...	...	...	...	...	bc, cy, cp ●0, o *a* : o, od0, o *p* : o *n.*
13	St : Nb.	St.	Nb.	10	10	10	10	10	10	h	F	I	I	h	G	d0	d0	...	...	d	d	oid0m0, om, *a* : odm0 and om0 *p* : odm0, o ●m0 *n.* [c, b *n.*
14	Cu : Ci.	St-Cu.	Nb : St-Cu.	7	7	10	10	9	1	k	k	m	j	k	l	...	...	...	●	p●2	...	o ●m early, c, o () y *a* : o ●, cp ●2 *p* :
15	Cu.	Nb : Cu : Fr-Cu.	Fr-Cu : St-Cu : Ci.	1	2	8	7	8	1	k	k	l	k	l	l	...	...	...	...	...	...	b, by, cp ● *a* : c, cp ●0 *p* : c, b *n.*
16	Cu : Ci.	Cu : St-Cu : Ci.	St-Cu.	2	9	9	10	9	8	k	k	k	k	k	k	...	...	...	...	...	...	b, c ⊕9h, cy *a* : o, c *p* : c *n.*
17	St-Cu.	St.	Nb.	9	10	10	10	10	10	k	j	G	G	G	G	...	...	...	d0	d0	d0	c, o, oid0m0, om0 *a* : oid0m0 *p and n.*
18	St-Cu : A-Cu : Ci.	Nb : St-Cu.	Nb.	8	5	10	10	10	10	k	k	k	j	G	I	...	...	...	...	d	d0	o, c, bc, o *a* : o, odm0 *p* : oid0m0,
19	St-Cu : A-Cu.	St-Cu.	St-Cu.	8	9	10	10	10	10	h	I	k	k	k	j	...	...	...	...	...	...	op ●, cm0, o *a* : o *p and n.* [op ● *n.*
20	St.	St.	St : Nb.	10	10	10	7	10	9	j	j	h	I	I	I	d0	...	d0	...	d0	...	o, od0, oid0m0 *a* : od0m0, bcm0, ⩻ 16h, od0m0 *p* : od0m0, cm0 *n.*
21	St-Cu : A-Cu : Ci.	St : Nb.	St.	9	10	10	10	10	10	j	k	G	G	E	A	...	...	d0	d0	d0	...	o ●0 early, c, o, od0m0 *a* : od0m0, od0f *p* : ofe *n.*
22	Nb. : A-St.	Nb.	Fr-St : St-Cu.	10	10	10	10	10	10	h	I	G	h	j	h	●0	d0	●	●	...	●	ofe, ⩻3–4h, o ●0m0, oid0m0 *a* : o ●m0, o *p* : c, oi ●m0 *n.*
23	Nb : Cu.	Nb : Cu : Ci.	Nb : St-Cu.	4	8	9	9	10	10	j	j	l	l	l	I	p●0	p●0	p●0 ▲0	...	...	●0	op ●, p△9h 13m, cp ●0▲0 y *a* : cp ●0 *p* : oi ●m0, b *n.*
24	St-Cu : A-St.	St : Nb.	Cu.	9	10	10	10	2	2	k	j	j	h	l	j	...	p●0	●	●	...	...	b, c, op ●0, o ● *a* : o ●m0, b *p* : b, cp ●, b *n.*
25	Nb.	Nb : St-Cu.	Cu : St-Cu : A-Cu.	10	10	10	10	2	2	I	I	k	j	l	k	●	●	...	...	...	...	bc, o ●m0, c, oi ●0 *a* : op ●△, p✱, b *p* : b *n.* [bc, (), b *n.*
26	Fr-Cu : A-Cu.	Cu.	Cu-Nb : Cu.	2	1	5	7	4	1	l	l	k	l	m	k	...	...	...	...	...	...	b␣, b, bcy *a* : bc, p△y, p✱0 *p* :
27	St-Cu.	Cu : St-Cu.	Fr-Cu:St-Cu:A-Cu.	8	10	6	7	8	6	k	h	l	l	l	k	...	✱	...	...	...	...	b, b␣, o✱m0, bcy *a* : bcy, p✱0 15h 40m *p* : bcy, bc *n.*
28	—	Nb : St-Cu.	Cu : Nb : St-Cu.	0	2	7	10	8	8	l	k	l	I	k	j	...	...	...	p✱0	...	...	b␣, b, cp✱0 11h 40m *a* : op✱0, p△0 15h 5m, c *p* : cp✱0, p ●0c *n.*
29	Nb : St-Cu.	Nb : Cu.	Cu : St-Cu.	8	1	6	7	3	0	l	m	l	l	l	k	...	...	p✱0	...	...	...	bc, cp✱0, by (), bcp ✱0y *a* : bcy *p* : bcy, b *n.* [c *n.*
30	Fr-Cu.	Cu : St-Cu.	Cu-Nb : Cu : St-Cu.	1	3	6	6	8	7	k	k	k	m	j	k	...	...	...	...	...	...	b, bcy *a* : bcy, (), cp✱0 *p* : c, bc,
Mean Cloud Am'nt				7·3	7·4	8·5	8·3	7·3	6·0													

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

256. Eskdalemuir. **May, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	—	Cu : Fr-Cu.	St-Cu : A-St.	0	5	5	7	9	10	k	l	l	l	j	I	...	...	...	...	...	...	b, bcy *a* : bcy⊕ 15h, cy *p* : cy, o *n*.
2	St-Cu : A-St.	Nb : St-Cu : A-St.	Nb : A-St.	10	10	10	10	10	10	k	k	I	I	G	h	...	...	...	●0	●	p●	o, op ●0 *a* : o, o ●0, ●m0 *p* : o, op ●*n*.
3	St.	Nb.	Nb.	10	10	10	10	10	10	I	j	I	I	G	F	...	...	●0	●	●	●	oi ●0m0, om0, o ●m0 *a* : o ●m0 *p and n*.
4	Nb.	Nb : St-Cu.	Nb : A-St.	10	10	10	10	10	9	I	I	j	j	j	j	d0	d0	d0	●0	●	...	o ●m0, od0m0, od0 *a* : o ● *p* : o, c *n*.
5	St.	St.	St : St-Cu.	10	10	10	9	10	8	I	j	j	j	j	j	...	...	...	...	...	...	om0, o *a* : c, o *p* : o, c *n*.
6	St.	St.	St.	10	10	10	9	8	10	h	I	I	h	h	F	...	...	...	...	...	...	om0 *a* : cm0 *p* : om *n*.
7	Fr-St.	Cu.	Cu-Nb : Cu.	7	0	1	1	7	1	I	I	j	j	j	G	...	...	...	...	...	...	bcm0, b *a* : b, bc *p* : bm0 *n*.
8	—	Fr-Cu.	St-Cu.	0	0	1	1	1	0	j	j	j	I	j	I	...	...	...	...	...	...	b, by *a* : by *z*0 *p* : by, b *z*0 *n*.
9	St.	Fr-St : St-Cu : Ci.	St.	10	8	4	7	10	10	h	h	j	j	I	j	...	...	...	...	...	...	om0, bc *a* : bc, om0 *p* : o *n*.
10	St-Cu.	St-Cu.	St-Cu.	10	10	9	10	8	8	j	j	j	k	k	k	...	...	...	...	...	...	o, cy *a and p* : cy, bc, c *n*.
11	Cu : St-Cu.	Fr-Cu : Ci.	Fr-Cu : Ci.	7	1	2	2	2	1	k	k	k	k	k	j	...	...	...	...	...	...	cy, by *a* : by⊕ 15h *p* : b *n*.
12	St-Cu : A-Cu.	Nb : St-Cu.	St-Cu.	6	9	10	10	9	9	j	j	j	k	k	k	...	p●0	p●0	p●0	...	...	b, cp ●0 *a* : op ●0, c *p* : c *n*.
13	St-Cu.	St-Cu : A-St.	Cu : St-Cu.	10	10	10	10	7	10	l	k	j	I	j	j	...	...	...	d0	...	...	o, oy *a* : od0m0, bc *p* : c, o, o ●0m0 *n*.
14	St.	Nb : A-St.	Nb.	10	10	10	10	10	10	E	h	I	I	G	I	d0	d0	●0	●0	●0	...	o ●m0, od0 f, o ●0m0 *a* : o ●0m0 *p* : oi ●0m0, om0 *n*.
15	St-Cu.	St-Cu : Cu.	Cu : St-Cu : A-Cu.	8	10	8	6	7	4	j	j	k	k	l	I	...	p●0	...	...	...	...	c, op ●0, cy *a* : bc, cp ●0 *p* : bc *n*.
16	Cu : A-Cu.	Cu : A-Cu.	Nb.	8	7	6	9	10	9	k	k	j	j	j	k	...	...	...	...	...	...	c, b, bcy *a* : c T, ≤y, o ●2, ● *p* : o ●0, c *n*.
17	St-Cu.	Cu.	Cu : Fr-Cu.	9	9	5	4	3	1	j	k	k	j	k	k	...	...	...	...	...	...	c, bcy *a* : bcy *p* : b *n*.
18	Cu.	Fr-Cu : Ci-St.	Fr-Cu : Ci-St : Ci.	1	1	3	7	9	5	k	k	k	k	l	k	...	...	...	...	...	...	b, by, bcy *a* : bcy, cy, ⊕ *p* : cy⊕, bc *n*.
19	Cu : Ci-St : Ci.	Cu.	St-Cu : Ci-St.	8	6	5	8	10	10	k	k	k	k	k	k	...	...	...	...	...	...	c, bcy *a* : cy⊕, oy *p* : oy, o *n*.
20	St-Cu : A-St.	Nb.	Nb.	10	10	10	10	10	7	j	j	I	h	I	k	...	p●0	●	●0	●	...	o, op ●0, o ●m0 *a* : oi ●m0, o ●m0 *p* : o ●0m0 *n*.
21	Nb : A-St.	Cu-Nb : Cu : Ci.	Nb : St-Cu.	10	9	9	9	9	8	j	k	k	l	l	k	●0	...	...	p●0	...	p●0	oi ●0, cp ●0, c *a* : cp ●0 *p* : cp ●0, b, *n*.
22	Cu : St-Cu : A-Cu.	Cu : A-Cu.	St-Cu : Ci.	4	9	7	6	7	9	l	j	l	m	m	k	p●0	p●0	...	...	...	...	bcp ●0, bcy *a* bc()y *p* : bc()y, c *n*.
23	St-Cu : Ci-St.	Nb.	St.	10	10	10	10	10	10	k	k	h	I	h	k	...	...	d0	...	...	...	o⊕ 7h, o, odm0 *a* : oidm0 *p* : om0, c, o *n*.
24	Nb : St-Cu.	St-Cu : A-Cu.	St-Cu.	9	9	8	8	8	8	j	l	k	k	k	k	p●0	...	...	...	...	...	cp ●0, c *a* : c *p* : bc, c *n*.
25	Cu.	Fr-Cu : Ci.	Cu : St-Cu.	4	6	6	5	8	4	j	j	j	j	j	I	...	...	...	...	...	...	b, bc, bcy *a* : bcy, c *p* : b, bcm0 *n*.
26	St-Cu.	St-Cu.	Cu : Fr-Cu : St-Cu.	8	9	9	8	7	10	j	k	k	k	k	j	...	...	...	...	...	...	c, o, c *a* : cy, c *p* : c, o *n*.
27	St-Cu.	St-Cu.	Cu : St-Cu.	9	9	9	7	8	4	k	k	k	l	l	j	...	...	...	...	...	...	c, o, cy *a* : bcy, cp ●0, c *p* : cp ●0, bc *n*.
28	Fr-Cu : Cu.	Cu : St-Cu : A-Cu.	St-Cu : A-Cu : Ci-Cu.	3	6	9	10	8	10	l	k	k	k	k	j	...	...	...	...	...	...	bc, cy *a* : oy *p* : cy, o *n*.
29	Cu : St-Cu.	Cu : St-Cu.	St-Cu.	7	9	9	10	9	8	k	k	k	k	k	k	...	...	...	...	...	...	bc, c *a* : c, o *p* : c, c *n*.
30	St-Cu.	Cu : St-Cu.	Cu.	9	9	5	9	7	7	j	j	j	k	k	j	...	...	...	...	...	...	c, bcy *a* : c, bcy *p* : bcy, cp ●0, b *n*.
31	A-Cu.	Cu : Fr-Cu.	Cu : Fr-Cu.	6	6	7	9	6	10	l	l	l	l	j	I	...	...	...	...	...	...	bc, cp ●0, bcy *a* : cy, cp ●0, bcy *p* : c, om0 *n*.
Mean Cloud Am'nt				7·5	7·6	7·3	7·8	8·0	7·4													

257. Eskdalemuir. **June, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St : Nb.	St.	10	10	10	10	10	10	I	I	h	I	j	I	...	...	...	...	...	...	o ●m0, oidm0, om0 *a* : om0, o *p* : od0m0, om0 *n*. [c(), p ●0, y, c *n*.
2	Fr-Cu.	Cu : St-Cu.	Fr-Cu:St-Cuf:Ci-St.	6	9	5	9	8	9	k	k	k	l	m	k	...	...	...	...	...	...	bc, cp ●0, bcy *a* : cy, cp ●0 *p* :
3	Fr-Cu.	Cu-Nb : Cu.	Cu : Fr-Cu.	4	6	8	7	7	6	k	k	l	l	l	k	...	...	...	...	...	...	b, bcy, cp ● *a* : cp ●▲2 14h 17m–14h 25m, q T, bcy *p* : bcy, bc *n*.
4	St : Cu : Ci.	Cu-Nb : Cu.	Nb : A-St : Ci.	9	9	7	9	9	6	k	l	k	l	j	k	...	...	p ●	...	●0	...	bc, op●2 bcp● *a* : bcp ●, cy, c ●0 *p* : c,
5	Cu : Ci.	Cu : Ci-St.	St-Cu : A-St : Ci.	6	9	9	9	10	10	l	l	l	l	l	k	...	...	...	...	...	...	bc, cy *a* : cg, op●0, o *p* : o, c *n*. [bc *n*.
6	Cu : St-Cu.	Cu : St-Cu.	St-Cu : A-St.	7	6	9	9	10	10	k	k	k	k	k	k	...	...	...	...	...	p●0	b, bcy, cy *a* : cy,, op ● *p* : o, op ●0 *n*.
7	Cu : Ci.	Nb : St-Cu.	Cu : St-Cu : A-Cu.	3	9	9	9	8	9	k	j	k	j	k	k	...	...	p●0	...	...	...	bc, cp ●0 y *a* : o T p ●0, cy, c *p* : c, bc, c *n*. [bcy, bc *n*.
8	St-Cu.	Cu.	Cu : Fr-Cu.	8	7	7	6	4	4	j	j	k	k	l	k	...	...	...	...	...	...	c, cp ●0, bcy *a* : bcp ●0, bcy *p* :
9	Cu : St-Cu.	Cu.	Cu : Fr-Cu.	3	7	5	5	4	3	k	k	k	l	k	k	...	...	...	...	...	...	b, bc, bcp ●0, bcy *a* : bcy *p* : bc *n*.
10	Cu.	Cu : Fr-Cu.	Cu : Fr-Cu.	1	2	5	4	5	2	l	k	k	l	k	k	...	...	...	...	...	...	b, by, bcy *a* : bcy *p* : bcy, b *n*.
11	Cu : St-Cu.	Cu : Fr-Cu.	Cu : St-Cu.	4	3	4	5	5	4	k	j	j	j	j	I	...	...	...	...	...	...	bcy *a* : bcy, bc *p* : bcm0 *n*.
12	St : Cu.	Cu : St-Cu.	Cu : A-Cu.	8	7	6	6	5	3	G	h	j	j	k	k	...	...	...	...	...	...	op ●m0, cz0y, bcy *a* : bcy *p* : bc, bcz0 *n*.
13	A-Cu : Ci-Cu : Ci.	Cu : A-Cu : Ci.	Fr-Cu.	9	7	7	5	1	1	j	j	j	k	k	k	...	...	...	...	...	...	cp, bcy *a* : bcy, bcy *p* : by, b *n*.
14	Cu.	Fr-Cu.	St-Cu.	1	1	1	4	3	2	k	l	l	l	m	k	...	...	...	...	...	...	by, by *a* : bcy()*p* : bc *n*.
15	Cu : Ci-St.	Fr-Cu : A-St.	Cu : A-St : Ci-St.	3	5	10	7	8	10	k	l	l	k	k	j	...	...	...	...	...	...	b, bcy, oy, ⊕ *a* : bcy, cy ⊕ *p* : cy, o *n*.
16	St : A-St.	Nb.	Nb.	10	10	10	10	10	10	j	I	G	G	h	I	...	...	●0	●	●	●	o, om0, o ●0m0 *a* : o ●m0 *p and n*.
17	St : St-Cu.	Nb : St-Cu : A-Cu.	Cu-Nb : Nb : St-Cu.	10	10	9	9	9	2	j	G	j	j	k	k	p●0	●	...	...	...	●2	op ●0, o ●m0, c *a* : c, cp ●0 *p* : p ●2 19h 40m, b *n*. [o ●m0, c *n*.
18	Nb : A-St.	Cu-Nb : Cu.	Nb.	10	9	9	9	10	9	j	k	k	k	h	j	...	p●0	...	p ●	▲	...	o ● early, cp ●0 *a* : cp ●2, ●2▲m0 *p* :
19	Nb : Cu : St-Cu.	Cu-Nb:St-Cu:Ci-St.	St-Cu.	8	10	8	9	8	8	k	j	k	j	j	k	...	p●0	...	p●0	...	...	c, cp ●0, c *a* : cp ●0, c *p and n*.
20	St-Cu : Ci.	St-Cu.	Nb : St-Cu.	6	8	8	8	10	10	k	k	k	k	k	I	...	...	...	...	p●0	p●0	bc, cy *a* : cy, op ●0 *p* : op ●0m0 *n*.
21	St-Cu.	Nb.	Nb : St-Cu.	7	10	10	9	10	10	k	h	I	k	l	k	...	●	●	p●0	...	...	cp ●0, bc, o ●m0 *a* : cp ●0, o *p* : c, op ●0 23h *n*. [oi ●0m0 *n*.
22	Cu.	Cu : St-Cu.	Nb.	5	7	9	10	10	10	k	j	k	I	G	G	...	...	...	●	●	●0	bc, cp ●0, c *a* : c, o ●m0 *p* : o ● m0,
23	St-Cu.	Nb : St-Cu.	Nb : St-Cu.	8	9	9	9	9	8	j	j	k	k	k	k	...	p●0	...	...	...	...	oi ●0m0, cp ●0 *a* : cp ●0 *p* : bc, c *n*.
24	Nb : A-St.	St : St-Cu.	Cu : St-Cu : A-Cu.	10	10	10	10	8	7	I	j	j	j	k	j	●	...	...	...	...	...	o ●m0, op ●0, o *a* : c, bc *p* : bc, cp ●0 *n*. [o ●, i ●0m0, od0m0 *n*.
25	Cu : A-St : A-Cu.	Nb.	Nb : St-Cu.	9	10	10	10	9	10	j	j	h	h	h	h	...	●0	●0	d	...	d0	bc, c, o ●0m0 *a* : o ●0m0, odm0, c *p* :
26	St-Cu : Ci.	Cu : Ci.	Cu : Ci.	8	8	7	6	6	6	k	k	k	k	k	j	...	...	...	...	...	...	o ●0m0, cp ●, bc *a* : cp ●0, bcy, ⊕ 17h *p* : bcy, c *n*. [o *n*.
27	St-Cu : A-St.	Cu : St-Cu.	St-Cu.	9	9	9	9	10	10	k	k	j	j	j	j	...	...	...	...	...	...	bc, c, p ●0 19h 10m, c *a* : cp ●0, o *p* :
28	St-Cu : A-St.	St-Cu : A-St.	Fr-Nb : St-Cu.	10	10	10	10	9	10	k	j	k	k	j	h	...	...	...	...	●0	●0	op ●0 early, c *a* : o, c ●0 *p* : o ●, oi ●0m0 *n*. [14h 45m, o z0 *p* : om0 *n*.
29	Fr-St: St-Cu: A-Cu.	Cu-Nb : St-Cu.	St : A-St.	9	9	10	9	10	10	j	j	I	I	I	h	...	...	...	...	...	...	o ●, odm0, c, op ●0 *a* : og z0, op ●
30	St : A-Cu.	St-Cu : A-Cu : Ci.	Nb : A-St.	9	10	8	9	10	10	h	G	j	j	I	h	...	...	...	...	●0	...	cm0, c *a* : op ●0 14h, c, o ●0m0 *p* : op ●0m0, oi ●0m0 *n*.
Mean Cloud Am'nt				7·0	7·9	7·9	8·0	7·8	7·3													

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

258. Eskdalemuir. **July, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Nb : A-St.	St-Cu : A-Cu : Ci.	St.	10	10	8	7	10	10	I	I	j	j	I	I	●	●^{0}	…	…	…	…	o ●m_0, oi ●$^{0}m_0$, c *a*: bc, op●^{0}, om$_0$ *p*: om$_0$ *n*.
2	St.	Cu : Ci-St.	Cu.	10	10	2	1	1	3	I	j	k	k	j	j	…	…	…	…	…	…	om$_0$, b *a* : b *p* : b, bc ⌓, o *n*.
3	St.	Fr-Cu.	St Cu : Ci.	10	10	8	6	9	10	F	I	k	l	k	j	d_0	…	…	…	…	…	o, od$_0$m$_0$, om$_0$, c *a* : c, bcy *p* : c, op ● ^{0}2o^{h}50^{m}*n*. [c, bcz$_0$, c *n*.
4	Nb.	Nb.	St-Cuf : Ci.	10	10	10	10	8	7	G	h	I	j	j	I	●^{0}	●^{0}	●^{0}	…	…	…	o ●$^{0}m_0$, oi ●$^{0}m_0$ *a* : o ●$^{0}m_0$, c *p* :
5	St-Cu : A-St.	Nb.	Fr-St : St-Cu.	9	10	10	10	9	7	j	I	I	I	k	k	…	p●^{0}	●	●	…	…	op ●, c, o ●m*a*: o ●, ●^{2}m$_0$q, *cp*:c, bc *n*. [c z$_0$, cm$_0$ *n*.
6	Cu : St-Cu.	Cu : St-Cu.	Cu-Nb : A-Cu.	8	7	9	9	9	8	j	j	j	k	j	I	…	…	…	…	p●^{0}	…	bc, c *a* : c, bc, cp ●^{0}**u** *p* : op ●, u,
7	Nb.	St Cu : A-St.	St : Nb.	10	10	10	10	10	10	h	h	j	h	G	j	●	●^{0}	…	●^{0}	d_2	…	om$_0$, o ●m_0, o *a* : o, oi ●$^{0}m_0$, odm$_0$ *p*: od$_2$m$_0$, i ●d *n*.
8	St : Ci-St : Ci.	Cu : St-Cu : Ci-St.	Cu : Fr-Cu.	8	8	9	9	5	5	j	I	j	j	k	j	…	…	…	…	…	…	bc, c z$_0$, c *a* : c, bc *p* : bc, c *n*.
9	St.	St-Cu : Ci-St.	Cu : Fr-Cu : A-Cu.	10	8	9	8	8	7	I	j	k	k	k	k	…	…	…	…	…	…	om$_0$, c *a* : c, bc *p* : bc *n*.
10	Cu : A-Cu.	Cu : Ci-Cu.	Cu-Nb : Cu : St-Cu.	7	7	7	8	7	9	k	k	k	l	j	G	…	…	…	…	…	●^{2}	bc⌓, bcy *a* : bcT *p* : bc T, ⌅ 20^{h} 58^{m} m$_0$, c *n*.
11	St : A-Cu.	Fr-Cu : A-Cu.	St : St-Cu : A-St.	9	9	8	9	9	10	h	I	j	j	j	h	…	…	…	…	…	…	cm$_0$, c *a* : c *p* : om$_0$ *n*.
12	St.	St-Cu.	St : A-Cu.	10	9	9	10	9	9	j	j	j	I	h	h	…	…	…	…	…	…	●^{0}m$_0$, c *a* : c, om$_0$ *p* : cm$_0$ *n*.
13	St.	St.	St : Ci-Cu.	10	10	10	10	9	10	G	h	I	I	h	G	…	…	…	…	…	…	om$_0$, oi ●^{0}m$_0$, om$_0$ *a* : cm$_0$ *p* : om$_0$ *n*.
14	St.	Fr-Cu : Cu-Nb.	Cu-Nb : St-Cu : A-Cu.	10	9	8	9	8	7	G	G	h	h	j	h	…	…	…	…	…	…	om$_0$, c z$_0$ T ⌅ 12^{h} 36^{m} *a* : c z$_0$, T, o⌅ ●m$_0$ *p* : c, bcm$_0$ *n*.
15	Ci-Cu.	Cu : Fr-Cu.	Fr-St : Fr-Cu.	1	1	5	6	2	2	h	j	k	k	I	h	…	…	…	…	…	…	bm$_0$, T 18^{h}, by *a* : bcy, bm$_0$ *p* : bm$_0$, T 18^{h} 40^{m}, om$_0$, c *n*.
16	St : St-Cu.	Fr-Cu.	Fr-Cu : Ci.	10	8	7	4	3	2	I	k	l	l	l	l	…	…	…	…	…	…	om$_0$, c, bcy *a* : bcy *p* : bcy, b *n*.
17	Cu : A-Cu : Ci.	Cu : Ci-St : Ci.	St-Cu : A-Cu : Ci.	4	6	3	6	7	9	j	j	k	k	j	j	…	…	…	…	…	…	b, bc, ⌓ *a* : bcy *p* : bc, c *n*.
18	Cu : A-Cu.	Fr-Cu.	Cu : Ci.	7	6	7	7	5	6	k	k	k	k	j	j	…	…	…	…	…	…	bc, b, bcy *a* : bcy *p* : bc, b *n*.
19	Ci-Cu : Ci.	Cu : Ci-Cu : Ci.	Cu : Ci-Cu.	5	7	8	8	6	1	l	k	k	k	j	h	…	…	…	…	…	…	b, bc⌓, c *a* : c, bc *p* : bc, bm$_0$ ⌓ *n*.
20	A-St.	Nb.	Nb.	10	9	10	10	10	10	I	I	h	h	F	E	…	…	d	…	●	d_0	bm$_0$⌓, op ●^{0}m$_0$, c, od$_0$m$_0$ *a* : od$_0$m$_0$, o ●m_0 *p* : o ● m, odf *n*.
21	Nb.	St-Cu.	Cu-Nb : A-St : A-Cu.	10	10	10	9	9	10	G	I	j	j	k	G	●	…	…	…	…	…	od$_0$m$_0$,o ●m_0, oi ●*a*: oi ●, cT *p* : c, o *n*.
22	St.	St : Nb.	Cu-Nb : Nb : St-Cu.	10	10	10	9	9	10	I	I	h	j	I	j	…	…	●	…	…	…	opd$_0$m$_0$, oi ●m_0*a*: oi ●T, c*p*: cm$_0$, o *n*.
23	St : St-Cu.	Cu : St-Cu : A-Cu.	Cu : Ci-St : Ci.	10	10	9	9	8	7	I	I	j	j	k	j	…	…	…	…	…	…	o, om$_0$, c *a* : c, *p* : c, b, bc *n*.
24	Cu : A-Cu : Ci.	Cu : Fr-Cu : A-Cu.	Cu : Fr-Cu.	5	8	6	5	5	5	k	k	k	k	k	k	…	…	…	…	…	…	bc,cp ●^{0},bc,c,bcy*a*:bcy,c,bc*p*:bc,b,c*n*.
25	St.	St-Cu : Ci-Cu.	Cu : A-Cu : Ci-Cu.	10	9	7	6	8	10	j	j	k	k	j	I	d_0	…	…	…	…	…	c, o⌓, od$_0$, bc, c *a* : c, bc, c *p* : c, om$_0$, o●m_0 *n*.
26	St.	St.	Cu : Ci-St : Ci.	10	10	10	10	8	8	I	G	j	j	j	I	d	d_0	d_0	…	…	…	o, oidm$_0$ *a* : od$_0$, o, c *p* : c, cm$_0$ *n*.
27	St : St-Cu.	Cu : Cu-Nb.	Cu-Nb : Cu : A-St.	10	10	10	10	10	10	j	j	j	h	I	h	…	d_0	…	p●	●	●^{0}	cm$_0$, o, oid$_0$, o T *a* ; op ●$_2$ T, o ●m_0 *p* : o ●m$_0$, od$_0$m$_0$ *n*. [cm$_0$, b *n*.
28	Fr-St : St-Cu : Ci.	Cu-Nb : Cu.	Cu-Nb : Nb : A-St.	8	8	7	7	8	9	j	j	j	k	k	I	…	…	…	…	p●^{0}	…	o, c, bcp ● *a* : bc, cp ●^{0} *p* : cp ●^{0},
29	St.	Fr-Cu : St-Cu.	St-Cu.	10	9	8	8	9	10	I	j	k	j	j	I	…	…	…	…	…	…	b, om$_0$e, o, c *a* : c, *p* : c, om$_0$*n*.
30	St.	Nb.	Nb.	10	10	10	10	10	10	I	I	h	I	h	I	d_0	…	●	d	d_0	…	oi ●m_0 *a, p and n*. [o ●m_0 *n*.
31	St-Cu.	Cu : Fr-Cu.	Cu : Fr-Cu.	10	7	2	5	1	9	j	k	k	l	l	j	…	…	…	…	…	…	o ●m_0, o, b *a* : b, bc b *p* : b, c,
Mean Cloud am'nt				8·7	8·5	7·9	7·9	7·4	7·7													

259. Eskdalemuir. **August, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Nb.	Nb : Cu.	Cu : Ci-St.	10	9	7	7	5	6	I	j	j	k	k	j	d	…	p●^{0}	…	…	…	o ●^{0}m$_0$,cp ●*a*:bcp ●^{0},bc*p*:bc,cp ●^{0}*n*.
2	St-Cu.	Nb.	Nb : St-Cu.	4	6	10	10	10	10	k	k	I	k	j	I	…	…	d	d_0	…	d	bc, c, odm$_0$ *a* : oid$_0$, c *p* : oidm$_0$ *n*.
3	St : St-Cu : Ci.	Cu : St-Cu.	Cu : St-Cu.	7	7	8	9	9	2	j	k	k	l	k	k	…	…	…	…	…	…	o, bc, c *a* : c, *p* : c, b, bm$_0$ *n*.
4	Ci.	Fr-Cu.	Ci-St.	2	4	4	2	9	9	F	k	j	I	j	I	…	…	…	…	…	…	bm, bcy *a* : bcy, bz$_0$, c *p* : c⊕, om$_0$ *n*.
5	St.	Fr-Cu : St-Cu.	St-Cu : Ci.	10	9	5	7	4	3	j	j	j	j	j	h	…	…	…	…	…	…	cm$_0$, o, bcy *a* : bcy *p* : bc, bcm$_0$ *n*.
6	St.	Cu : Fr-Cu.	Cu : Ci-St.	10	8	6	6	4	10	I	h	I	j	j	G	…	…	…	…	…	…	bc, o, c, m$_0$ *a*: bcm$_0$, bc *p*: bc, om$_0$ *n*.
7	St.	St.	St-Cu.	10	10	10	10	5	7	I	j	I	I	j	j	●	…	●^{2}	…	…	…	om$_0$,o ●m_0,*a*:o ●^{2}m$_0$*p*:o ●^{2},o ●^{0},m$_0$ *n*.
8	St-Cu : A-Cu : Ci.	Nb.	St.	5	6	10	10	10	10	j	j	I	I	I	I	…	…	●	●	●^{2}	●^{0}	bc,o ●m_0,*a*:o ●^{2}m$_0$*p*:o ●^{2},o ●^{0},m$_0$ *n*.
9	St.	Cu.	St.	10	7	7	10	9	10	E	j	j	j	j	I	…	…	…	…	●	●^{0}	om$_0$,of,bc,T*a*:bc,o⌅, ●^{2},*cp*:c, oi ●^{0} *n*.
10	Nb : A-St.	St-Cu : A-Cu.	Nb.	10	7	6	10	10	10	G	j	j	I	j	j	●	…	…	●^{0}	●^{2}	●	oi ●m_0, bc *a* : bc, oi ●$^{0}m_0$, o ●^{2} *p* : o ●^{2}, oi ●, o *n*.
11	St : A-Cu.	Cu-Nb. : St.-Cu.	Fr-Cu : Ci.	9	9	7	7	6	3	I	j	j	k	l	k	…	…	p ●	…	…	…	o-bc, p ● *a* : cp ●^{2}, bc *p* : bc, c *n*.
12	St : St-Cu.	Cu : Fr-Cu.	Cu : St-Cu.	8	5	7	8	8	10	j	k	l	m	l	j	…	…	…	…	…	d_0	op ● early, c, bcy *a* : bcy, c(), cp ● *p* : cp ●, oid$_0$ *n*. [op ● *n*.
13	St : A-St.	Cu : Fr.-Cu.	St-Cu : Ci-St.	10	10	8	8	7	10	j	j	j	j	I	I	…	…	…	…	…	…	o, c *a* : c, cp ●^{0}, bc z$_0$ *p* : bcz$_0$, om$_0$,
14	Nb : A-St.	Nb : A-St.	Nb : A-St.	10	10	10	9	10	10	j	j	j	k	j	F	●^{0}	d_0	●^{2}	…	●	…	o ●,bc,o ●^{2}*a*: o ●^{2} and c*p*: oi ●m_0*n*.
15	Nb : A-St.	Nb.	Nb : A-St.	10	9	10	9	10	9	I	j	I	k	I	I	●^{0}	p ●	●^{0}	…	●^{0}	…	oi ●^{0}m$_0$, c, op ●^{2}, oi ●m_0 *a* : c, o ●^{0}, m$_0$ *p* : oid$_0$, c, m$_0$ *n*.
16	St-Cu.	Fr-Cu : St-Cu.	Nb : St-Cu : A-St.	10	10	10	10	10	8	k	I	k	k	k	j	…	…	…	…	p●^{0}	…	cm$_0$,o,oid$_0$m$_0$*a*:o,op ●^{0}*p*:op ●^{0},c *n*.
17	St-Cu : Ci-St.	Cu : Fr-Cu : Ci.	Cu : St-Cu : Ci.	6	6	8	6	4	0	j	k	l	l	l	j	…	…	…	…	…	…	c, bc, cy *a* : cy, bc *p* : bc, b *n*.
18	Fr-St : A-St.	Fr-Nb : A-St.	Cu-Nb : A-St.	10	10	10	10	10	10	k	j	j	j	I	I	…	…	…	p●^{0}	●^{0}	●^{0}	b, o ⌓, oi ●^{0} *a* : op ●^{0}, o ●$^{0}m_0$ *p* : oi ●^{0}m$_0$ *n*.
19	St-Cu : A-St.	Cu-Nb : Cu.	Cu : Ci-Cu.	10	7	8	5	4	2	j	k	j	j	j	j	…	…	p●^{0}	…	…	…	op ●^{0},bc,cp ●^{0}*a*:cp ●,T*p*:bc, b *n*.
20	St-Cu : A-St.	St-Cu : A-St.	Nb : A-St.	10	10	10	10	10	10	I	j	I	G	I	j	…	…	…	●^{0}	…	…	b,om$_0$,op ●*a*:oi ●^{0}m$_0$*p*:om$_0$,o ●*n*.
21	St.	Nb : St-Cu.	Nb : St-Cu.	10	9	9	10	9	10	F	I	j	j	j	j	…	…	p●^{0}	p ●	p ●	p●^{2}	oi ●m_0, cp ●T *a* : c and o, p ● *p*: cp ●, oi ●^{2} *n*.
22	St : St-Cu.	Cu : St-Cu.	Cu : St-Cu : A-St.	10	10	9	10	9	10	j	j	j	j	k	j	●^{0}	●^{0}	…	…	…	●^{0}	oi ●^{0}, c *a* : cp ●T, c *p*: oi ● *n*.
23	St : St-Cu : A-Cu.	Cu-Nb : Cu.	Cu-Nb : Cu : A-Cu.	9	9	9	9	5	1	k	l	k	k	j	j	…	…	●^{0}	p●^{0}	…	…	c,cp ●^{0},⌅13^{h}*a*:cp ●^{0},bc*p*:bc,b,bf*n*.
24	St.	Cu : St-Cu : Ci.	Cu : St-Cu : Ci-St.	10	8	8	9	9	9	C	k	k	m	m	k	…	…	…	…	…	…	ofe,cy,⊕*a*: cy⊕T,c()*p*: cp ●,c,b⌓ *n*.
25	Ci.	Cu : Ci-St : Ci.	Cu.	2	3	7	8	3	1	j	j	j	k	j	k	…	…	…	…	…	…	b⌓, bcy *a* : cy, bc*p* : b, c, ⌓ *n*.
26	St.	St.	St.	10	10	10	10	10	10	j	j	j	I	I	I	…	…	d	d_0	…	…	c, ⌓, o, oid$_0$ *a* : oid$_0$ m$_0$ *p* : om$_0$ *n*.
27	Nb.	Cu : Ci.	Cu : Ci-St : Ci-Cu.	10	10	5	5	3	8	h	h	j	j	k	j	d	d	…	…	…	…	o,o ●m_0, odm$_0$, bc*a*: bc, b,bc*p*: bc, o *n*.
28	Nb : A-St.	Cu : Fr-Cu : Ci.	Cu : Fr-Cu : Ci.	10	10	7	8	6	9	j	j	k	l	m	j	●^{0}	d_0	…	…	…	…	o ●^{0},oidm$_0$, bc*a*: bc,cjp, bc()*p*: b, o,c*n*.
29	St : Fr-St.	Cu : Fr-Cu.	Cu : Fr-Cu.	8	6	6	5	1	0	I	k	k	k	l	k	…	…	…	…	…	…	cm$_0$, bc *a* : bc, b *p* : b, b⌓ *n*.
30	—	Fr-Cu : Ci-St : Ci.	St-Cu : Ci-St.	0	1	4	3	7	8	E	k	k	j	j	j	…	…	…	…	…	…	bfe, b, bcy *a* : bcy *p* : bc, o *n*.
31	Nb.	St-Cu.	St-Cu : Ci-St.	10	10	8	6	4	1	G	I	I	I	I	h	●^{0}	…	…	…	…	…	oi ●^{0}m$_0$,cz$_0$ *a*: c, bc, z$_0$ *p*: bc z$_0$ bm ⌅*n*.
Mean Cloud am'nt				8·4	7·9	7·8	7·9	7·1	7·0													
	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

260. Eskdalemuir. **September, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	Nb : St-Cu.	Nb : A-St.	10	9	10	10	10	9	E	h	h	h	I	I	d_0	...	d_0	d_0	●	...	od_0 f, c, od_0 m_0 *a* : od_0, o, o ● m_0 *p* : oi ●
2	St.	Cu : Ci-St.	St-Cu : Ci-St : Ci.	10	9	7	6	5	1	E	j	k	k	k	k	...	...	...	...	...	...	ofe, bc *a* : bcy *p* : b, b n. [m_0 *n.*
3	Ci-St : Ci.	Cu : Fr-Cu.	Cu : A-St : Ci-St.	5	2	6	7	7	0	l	h	I	j	j	h	...	...	...	...	...	...	bc, m_0, b, bc z_0 *a* : bc *p* : bc, bm_0 *n.*
4	St-Cu.	A-Cu.	A-Cu : Ci.	3	0	1	1	2	3	j	j	j	l	k	k	...	...	...	...	...	...	bc, b *a* : byz_0, b *p* : b, bc *n.*
5	St.	Cu : Fr-Cu : Ci.	St-Cu.	10	10	8	6	9	10	h	h	k	j	j	i	...	...	...	...	...	...	bc, oz_0, bc *a* : bc, c *p* : c, om_0 *n.*
6	Nb : A-St.	Fr-St : Cu : St-Cu.	Cu-Nb : Nb.	10	10	10	9	10	10	h	j	j	j	h	h	●	...	...	...	●	●0	o,o ● m_0,c *a* : c, c$\lceil$ m_0 *p* : c$\lceil$, oi ●0 m_0 *n.*
7	Nb : A-St.	Fr-Cu : St-Cu.	St-Cu : Ci.	10	9	7	4	2	2	I	k	l	l	m	l	●	...	...	...	...	...	o$\lceil$, cp ● 0m_0, bc *a* : bcy () *p* : b, bc *n.*
8	Nb : Fr-St.	St.	St.	10	10	10	10	10	10	h	h	h	G	G	g	d	d	d	d	d	●0	c, odm_0 *a* : $oddm_0$ *p* : $oddm_0$, c ⩤ q *n.*
9	Nb : Fr-Nb.	Nb : St-Cu.	St-Cu.	9	10	9	10	7	4	h	k	k	k	l	l	d_2	d_0	p●0	●	...	...	c ●, oid, cp ● 0 *a* : cp ● *p* : c, bc *n.*
10	Fr-St : A-Cu : Ci.	Cu-Nb : Cu : Ci.	Nb : A-St.	8	4	9	7	10	10	j	k	l	m	h	k	...	...	...	...	●	●0	c, p, bc, cp ● 0 *a* : cp ●▲, c(), c ● m_0 *p* : cp ●, bc *n.*
11	Fr-St:Fr-Cu:A-Cu.	St-Cu.	Cu : St-Cu.	7	6	9	9	3	9	k	l	k	l	k	k	...	...	...	...	...	...	bc, cy *a* : cy, bc *p* : bc, c *n.*
12	St-Cu.	Fr-Cu : St-Cu.	Fr-Cu : St-Cu.	7	9	8	9	10	9	l	k	k	l	l	k	...	...	...	...	...	...	b, cp, bc, c *a* : c *p and n.*
13	St : A-St.	St : St-Cu.	St : Fr-St.	10	9	10	10	10	10	j	j	k	j	I	i	...	...	...	...	...	d_0	c, oid_0, c *a* : c, oi ● 0, om_0 *p* : oid_0
14	Nb : A-St.	Nb : Cu : A-St.	Cu : Ci-Cu : Ci.	10	10	10	9	8	9	j	j	l	l	j	j	●	...	p●0	...	...	...	cp ● 0 *a*, *p* and *n.* [m_0 *n.*
15	St : St-Cu.	Cu : St-Cu.	Fr-Cu : Ci.	6	5	6	3	4	2	k	k	l	m	m	m	...	...	...	...	...	...	cp ● 0, bc *a* : bc () *p* : b () *n.* [ci ● m_0, o, c *n.*
16	A-Cu : Ci.	St : St-Cu.	St : St-Cu.	4	7	10	10	10	10	k	j	k	j	I	i	...	...	...	...	d	...	bL, bc, cp ● 0 *a* : cp ● 0, cdm_0 *p* :
17	Cu : Fr-Cu : Ci.	Cu : St-Cu.	Cu : St-Cu : Ci.	2	4	7	4	8	5	k	k	l	l	k	j	...	...	...	...	...	p●0	c,b,cp● 0*a*:bcy,cp ● 0*p*:cp ● 0bc,o ●$\lceil$ *n.*
18	Cu : Fr-Cu.	Cu : St-Cu.	Cu : St-Cu.	3	5	6	5	4	2	k	k	k	k	k	k	...	...	...	...	...	...	oi ●,b,cp ● 0,bc *a* : cp ● 0,bc *p* : bc, b *n.*
19	St.	Nb : A-St.	Fr-Cu : St-Cu : Ci.	10	10	10	10	7	3	G	G	G	h	k	k	d	d	●	●2	...	...	b, o, odm_0, ci ● m_0 *a* : c ● m_0 o ●2 ●, o, c *p* : c, bc *n.*
20	Fr-St : Ci.	St-Cu : A-St.	St : Nb.	9	9	10	10	10	10	j	k	j	j	I	h	...	...	...	●0	●0	●	cp ● 0 *a* : cp ● 0, o ● 0m_0 *p* : o ● m_0 *n.*
21	Nb.	Nb : A-St.	St : Nb : A-St.	10	10	10	10	10	10	j	j	I	I	j	h	●0	●	●	●	●	●	Continuous ● all day.
22	Nb.	Nb : A-St.	Fr-St : Nb.	10	10	10	10	10	10	h	j	j	j	I	j	●2	●0	●0	●0	●0	●0	o ●2, ci ● *a* : c, oi ●0 *p and n.*
23	Fr-St : St-Cu : A-St.	Cu : Ci.	Cu : Ci.	9	7	8	6	5	1	l	l	l	l	k	k	...	...	...	...	...	...	o ●, bc, c *a* : c, bc *p* : bc, b *n.*
24	St-Cu : Ci.	Cu : St-Cu : Ci-St.	Cu-Nb : Cu.	9	8	9	8	8	3	k	k	l	l	j	j	...	...	...	...	●	...	b, cp, bc, c *a* : c, c ● *p* : c ● 0, b, bc *n.*
25	St : St-Cu.	Cu : St-Cu.	Fr-Nb : St-Cu.	8	8	9	10	10	10	k	k	l	j	j	j	...	...	...	●0	●0	...	ofe, early, c, *a* : c, o ● 0 *p* : ci ● 0, c *n.*
26	Fr-Cu : St-Cu.	Cu : St-Cu.	St-Cu : Ci-St.	9	9	9	9	7	9	j	j	j	k	j	j	...	d_0	...	...	...	p●0	c, cid_0 ●, c *a* : c, cp ● 0 *p* : bc,cp ● 0, c *n.*
27	Ci-St.	Cu : Fr-Cu.	St-Cu.	1	3	5	4	2	0	l	l	l	l	l	k	...	...	...	...	...	...	bc, bL, bcy *a* : bcy, b *p* : b, bc, b *n.*
28	Fr-St : St-Cu.	St.	Nb.	9	10	10	10	10	10	k	k	j	j	j	j	...	...	...	...	●0	●0	cp ● 0, c, oi ● 0 *a* : c, oi ● 0 ⩤ *p* : oi ● 0 ⩤ *n.*
29	Nb.	Cu : Fr-Cu.	St : St-Cu.	10	10	9	6	5	2	I	j	k	j	k	k	●	●0	...	...	p●0	...	o ●2, o ● m_0, c *a* : cp ●2, bcp ● 0 *p* : bcp ● 0, b *n.*
30	Fr-St : Ci-Cu.	St-Cu : A St.	Nb.	6	7	10	10	10	10	j	j	k	j	j	j	...	...	...	●0	●	...	b, bc, cp ● 0 *a* : c, op ●, oi ● *p* : o ●, o *n.*
Mean Cloud Am'nt				7·8	7·6	8·4	7·7	7·4	6·4													

261. Eskdalemuir. **October, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Nb.	St.	St-Cu : A-St.	10	10	10	8	9	5	I	n	G	j	k	k	●0	●	d_0	...	...	...	oi ● 0m_0, o ● m_0, od_0m_0 *a* : oidm$_0$, c *p* : c, bc *n.* [c, bc *p* : bc, b *n.*
2	St.	St : A-St.	Cu : A-Cu-Lent.	10	10	10	9	3	1	G	F	k	l	l	k	●	●	...	...	...	...	c, o ●i ●2m ⩤ *a*, cp ● 0 ⩤,
3	—	Cu : Ci-St.	Fr-Cu : A-Cu : Ci.	0	1	5	3	3	5	k	l	k	l	l	k	...	...	...	...	...	...	b, bc *a* : bcy *p* : bc *n.*
4	A-Cu : Ci-Cu.	Cu : Fr-Cu.	Ci.	3	3	5	4	4	1	k	k	k	l	l	k	...	...	...	...	...	...	bcL, bc *a* : bcy, bc *p* : bc, b, bL *n.*
5	Cu : Ci-St.	A-Cu.	St-Cu.	2	1	4	9	10	10	j	I	I	h	h	G	...	...	...	...	...	...	bL, bm_0, bcz_0 y *a* : cz_0 *p* : cm_0 *n.*
6	St : St-Cu.	St : St-Cu.	St : St-Cu : A-Cu.	9	10	7	7	5	4	F	G	I	I	h	h	...	...	...	...	...	...	cm_0p, bcz_0 *a* : bc z_0 *p* : bcm_0 *n.*
7	Cu : Ci.	A-Cu : Ci.	Ci.	5	5	5	4	4	1	j	j	j	k	I	j	...	...	...	...	...	...	bc, bcy *a* : bcy *p* : bcz_0, bp *n.*
8	Cu.	St.	St : St-Cu.	1	1	10	10	10	10	j	h	I	j	j	i	...	...	...	...	...	...	bp, oz_0 *a* : o, c, *p* : c, om_0 *n.*
9	St : St-Cu.	St-Cu.	A-St.	9	10	10	10	3	0	j	k	k	k	j	j	...	...	...	...	...	...	om_0, c *a* : c, bc *p* : bc, bp *n.*
10	A-Cu.	—	—	1	1	0	0	0	0	h	h	j	j	E	e	...	...	...	...	...	...	bfe, bm_0L. b *a* : b, bf *p* : bfe *n.*
11	St.	St.	St.	10	10	9	9	10	10	F	h	h	h	G	f	...	...	...	...	...	...	bfe, om, cm_0, *a* : cm_0, *p* : om, *n.*
12	St.	St.	St : St-Cu.	10	10	10	10	9	7	F	h	h	h	F	f	...	...	...	...	...	...	ome, om_0 *a* : om_0 *p* : c, bcz_0 *n.*
13	Cu : St-Cu.	St : Ci.	Cu : St-Cu.	7	8	9	9	2	9	j	j	I	j	h	h	...	...	p●0	...	...	...	b, c, cp ● 0m $_0$*a* : cp ● 0, bm_0 *p* : bm_0, cp ● 0m_0 *n.*
14	St-Cu.	St : Fr-Cu.	St.	8	9	9	9	9	9	k	k	k	k	j	j	...	...	...	...	...	...	cp ● 0 *a*, *p and n.*
15	St-Cu.	St.	Nb : A-St.	10	10	10	10	9	10	l	l	j	j	j	h	...	...	...	d_0	p●0	●	c, o *a* : cp ● 0 *p* : cp ●, op ● m_0 *n.*
16	St : St-Cu.	St : St-Cu.	St : A-St.	7	7	10	10	10	8	k	k	j	j	I	i	...	...	d_0	●	...	d_0	bc, cid_0 *a* : ci ● *p* : cid_0m_0 *n.*
17	St.	Cu : St-Cu.	Cu : Fr-Cu.	9	9	5	6	2	1	I	j	k	k	j	j	d_0	d_0	...	...	...	...	cid_0m_0, cp ● 0, bc *a* : bc, b *p* : b, bc *n.*
18	St-Cu : A-Cu.	St-Cu.	Cu.	8	8	8	8	1	2	k	k	k	k	j	j	...	...	...	...	...	...	bc, c *a* : cp ● 0, b *p* : b, bcp ● 0 *n.*
19	Nb.	Nb.	Cu.	10	8	7	7	1	1	j	m	l	l	j	j	●	...	...	p ●	...	...	cp ● 0,oi ●,cp ● 0()*a*:bcp ● *p*: b, bL *n.*
20	—	Cu : Fr-Cu.	Cu.	0	1	7	8	3	0	l	l	l	l	j	j	...	...	...	...	...	...	bL,b,bc *a*: bc, cp● 0▲, bc *p*: bc, bL *n.*
21	St-Cu : Ci.	Fr-Cu : A-St : Ci.	St.	3	4	9	10	10	10	l	l	l	k	g	g	...	...	...	...	●	●	bc, L, c *a* : c, o ● m_0 *p* : o ● m_0 *n.*
22	St.	Nb.	Nb.	10	10	10	10	10	10	I	I	I	I	g	i	...	●	●	●	●	...	o ● m_0 *a and p* : o ● m_0, bcp ● 0 *n.*
23	St.	Cu : Fr-Cu : Ci.	St-Cu : Ci-St.	10	5	7	7	7	9	j	j	j	k	j	j	...	...	...	...	...	...	c, o, bc *a* : bc *p* : bc, cp *n.*
24	St.	Cu : St-Cu.	Nb.	10	10	10	10	10	10	h	g	k	I	I	g	...	...	...	●	●	d	c, op ● 0, om_0, c *a* : c, o ● m_0 *p* : o ●, odm_0 *n.*
25	Nb.	St.	Nb.	10	10	10	10	10	10	G	h	h	h	h	h	●	●	...	●	●	●	o ● m_0, oi ● m_0 *a* : oi ● m_0 *p and n.*
26	St.	Nb.	Cu : Ci.	10	10	10	9	7	7	h	h	I	I	j	j	d_0	●	●	...	...	...	oi ● m_0 *a* : oi ● m_0, bc *p* : c, bc *n.*
27	Nb.	St-Cu.	Nb : St-Cu.	10	9	8	8	6	5	j	j	j	j	j	j	...	...	...	...	p ●	...	oi ●2 ⩤, c *a* : cp ●▲, KQ at 16h 45m, ⋉ *p* : bcp ●▲⋉, bc *n.*
28	St.	Nb.	Nb : Cu.	10	10	10	10	7	10	I	I	I	I	I	I	...	...	d_0	●	p ●	●	om_0, o ● m_0 *a* : oi ● m_0 q, bcp ● *p* : cp ●2, o ● m_0 *n.*
29	St-Cu.	Cu : Fr-Cu : Ci.	Cu : Fr-Cu.	9	5	4	7	3	9	j	j	j	j	j	j	...	...	...	...	...	p●0	o ●, c ⩤, bcp ● *a* : bc, *p* : bc, cp ● 0 *n*
30	St.	St.	St.	10	10	10	10	10	9	I	I	I	h	h	h	d_0	d	d	●	●	...	op ● 0, odm_0 *a*: odm_0, o ● m_0 *p*: o ● m_0, cm_0 *n.*
31	St-Cu : A-St.	Cu.	Cu : St-Cu.	10	8	3	3	2	1	j	I	k	k	j	j	...	...	...	...	...	...	cm_0, bcp ● 0 *a* : bc, b *p* : bp *n.*
Mean Cloud Am'nt				7·5	7·2	7·8	7·9	6·1	5·9													

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

262. Eskdalemuir. **November, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St : Fr-St.	Nb.	Nb.	10	10	10	10	10	10	j	I	h	h	h	h	...	●⁰	●	●	●	d	b⌒, o, o ● m_0 *a* : o ●m_0 *p* : o ●m_0, odm_0 *n.*
2	Nb.	Fr-Cu : Ci.	Fr-St : Ci.	10	10	8	6	5	10	F	F	j	k	k	d	●	...	...	...	...	...	o ●m, c *a* : bc *p* : bc, ofe, om *n.*
3	Nb.	St.	St : St-Cu.	10	10	10	9	9	9	D	F	E	j	k	k	●	●	...	...	...	...	o ●f, oi ●, c *a* : c *p* : c, cp ● *n.*
4	Nb.	Cu : Fr-Cu.	—	10	9	1	9	0	5	j	j	k	l	k	k	p●⁰	p●⁰	...	...	...	...	o ●, cp●, b *a*: b, c,b *p*: bc⌒, cp ●⁰ *n.*
5	Nb.	Cu : St-Cu.	Cu : Fr-Cu.	10	10	7	10	8	2	h	h	k	j	j	k	●⁰	●⁰	...	p ●	...	...	oi ●m_0, o ●⁰cp ●▲, bc *a* : cp ●▲q *p* : bcp ●, *b n.*
6	Cu : Fr-Cu.	Cu : A-Cu.	Cu.	3	5	7	7	4	3	j	j	j	k	i	j	...	...	...	...	...	...	b, c ●⁰, bc *a* : bc, *p* : bcp ●⁰ *n.*
7	St-Cu : Ci-St.	Cu : Ci-St.	St : A-St.	3	8	9	10	9	8	k	k	j	k	j	j	...	...	...	...	p✱⁰	...	cp ●, bc⌴, cp✱⁰, cp ●⁰ *a*: c *p*: cp✱⁰,
8	St-Cu.	St-Cu.	St-Cu.	1	2	1	1	1	0	k	k	j	j	j	k	...	...	...	...	...	...	b⌴, bp✱⁰, b *a* : b *p* : b⌴ *n.* [c *n.*
9	St : St-Cu.	St-Cu.	St-Cu.	9	7	1	10	1	0	j	j	j	I	j	j	...	...	...	✱	...	...	b⌴, cp✱, c, b *a* : b, o✱m_0 *p* : o, b *n.*
10	St-Cu.	Cu.	—	1	1	1	4	0	0	k	j	j	l	j	j	...	...	...	...	...	...	cp✱⁰, b *a* : b, bc, b *p* : b *n.*
11	—	—	—	0	0	0	0	0	0	l	k	j	l	l	l	...	...	...	...	...	...	b *a*, *p and n.*
12	Cu : Fr-Cu.	St-Cu.	—	4	3	7	1	0	0	k	k	k	l	k	k	...	...	p●⁰	...	...	...	b⌴,cp✱,bc,bcp ●⁰ *a*: bc,b *p*:b, b⌴ *n.*
13	Fr-Cu : St-Cu.	Cu : St-Cu.	St-Cu.	9	10	9	7	7	5	k	k	k	k	k	k	...	...	...	...	...	...	b⌴, bc, c *a* : c, bc *p* : bc, b⌴ *n.*
14	St-Cu.	St-Cu : A-Cu.	Nb.	8	9	9	9	10	1	k	k	k	j	h	j	...	...	...	d_0	●⁰	...	b⌴,c, cp ●⁰, c *a* : c, cd_0, o ●⁰m_0, *p* : o●⁰m_0, b, b⌴ *n.*
15	St-Cu.	St.	St.	8	9	10	10	10	10	k	k	j	j	h	h	...	...	●⁰	●⁰	●⁰	d_0	b⌴, c⌴, o, o ● *a* : o ● *p* : oid$_0$$m_0$, bf *n.*
16	St.	St.	St.	10	10	10	10	10	4	h	I	I	I	h	j	d_0	...	...	...	...	...	o ●m_0, om$_0$ *a* : om$_0$ *p* : om$_0$, bc *n.*
17	St : St-Cu.	St-Cu.	St.	10	9	8	4	2	2	h	j	j	k	j	j	...	...	...	...	...	...	oi ●m_0, c *a* : c, bc *p* : b *n.* [all day.
18	St-Cu.	St.	St.	9	10	10	10	10	8	I	I	I	I	i	i	...	●	...	●⁰	...	...	b, c, o ●, o *a*: o, o ●⁰, o *p*: c, o ● *n*: m_0
19	Nb.	St.	Cu : A-St.	10	10	10	10	9	10	h	I	I	j	j	j	●	...	...	...	...	...	o ●m_0, om$_0$ *a* : c, *p* : c o *n.*
20	Nb.	St.	St.	10	10	10	10	10	10	j	k	j	j	i	i	●⁰	...	d_0	...	d_0	...	oi ●⁰, oid$_0$ *a* : oid$_0$ *p* : oid$_0$$m_0$ *n.* [day.
21	St.	St.	St.	10	10	10	10	10	4	i	I	I	I	i	i	...	...	...	d_0	d_0	...	oid$_0$, o *a* : oid$_0$ *p*: od$_0$, bc o *n* : m_0 all
22	St.	St.	St.	10	10	10	9	10	10	i	I	I	I	i	i	...	●⁰	...	...	...	d_0	o, o ●⁰, o *a* : o, c *p* : o, oid$_0$ *n* : m_0 all day.
23	St.	St.	Nb.	10	10	10	10	10	10	i	I	h	G	g	g	...	...	...	●	●	●⁰	o, od$_0$, o *a* : o, o ● *p* : o ● *n* : m_0 all day.
24	St-Cu.	Cu : Fr-Cu.	St-Cu.	4	6	7	4	1	10	j	j	j	j	k	j	...	...	...	...	...	...	om$_0$, bc, ci ● *a* : c, b *p* : b, op ●, b *n.*
25	St-Cu.	St : A-Cu.	St-Cu.	4	3	7	4	9	7	j	I	j	j	j	j	...	...	...	...	...	...	o, b, bc *a* : bc, c *p* : cp ●⁰, bc *n.*
26	Nb.	St.	St.	10	10	10	10	10	10	i	j	j	j	j	j	p●⁰	...	...	...	...	...	c, op ●⁰, o *a* : o *p* : op ●⁰, o *n.*
27	Nb.	Cu : Ci-St.	Cu.	10	10	2	2	1	0	f	I	k	k	k	k	●	●⁰	...	...	...	...	o ● m_0, ci ●⁰m_0, b *a*: bc, b *p*: b,b⌴ *n.*
28	St : St-Cu.	St.	Nb.	7	9	10	10	10	10	k	j	I	I	h	h	...	...	...	d_0	●	...	b⌴ to om$_0$ *a* : om$_0$, o ●m_0 *p* : o ●m_0, om$_0$ *n.*
29	A-St.	—	—	1	1	0	1	0	0	k	k	k	k	k	k	...	...	...	...	...	...	om$_0$, b⌴, b *a* : b, *p* : b, b⌴ *n.*
30	St-Cu.	—	—	1	1	0	1	0	9	k	k	k	k	h	j	...	...	...	...	...	...	b⌴, b *a* : b, bc, b⌴m_0 *p* : b⌴m_0, [c⌴ *n.*
Mean Cloud m'nt				7·1	7·4	6·8	6·9	5·9	5·6													

263. Eskdalemuir. **December, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St.	A-Cu.	10	10	10	10	7	10	j	j	k	k	h	j	...	...	...	...	...	...	o ●⁰, op ●⁰, o *a* : o, c *p* : bcm$_0$, o *n.*
2	St.	St.	St.	10	10	10	10	10	10	i	j	I	I	i	i	...	...	...	...	...	...	om$_0$⌴, o *a* : om$_0$ *p and n.*
3	St.	St.	St.	10	10	10	10	10	10	I	h	I	I	h	g	...	...	...	...	...	...	om$_0$ *a*, *p and n* : pd$_0$ 19h 30m
4	St.	St.	St.	10	10	10	10	10	10	g	h	I	I	h	I	...	...	...	...	d_0	...	o *a* : o, od$_0$ *p* : od$_0$ o *n* : m_0 all day.
5	St.	St : St-Cu.	St-Cu.	10	10	8	9	9	9	h	I	h	h	h	h	...	...	...	...	...	...	o, c *a* : c *p and n* : m_0 all day.
6	Nb.	St : St-Cu.	St-Cu.	10	10	9	8	9	3	h	I	I	h	h	h	●⁰	●⁰	...	...	...	...	c, oi ●⁰, c *a* : c *p* : c, bc *n* : m_0 all day.
7	St-Cu.	St : St-Cu.	St.	3	9	9	10	10	10	h	h	G	h	g	g	...	...	...	...	...	...	cp ●⁰, bc, c *a* : c, op ●⁰ *p* : o *n* : m_0 all day. [cm$_0$ *n.*
8	St.	St.	St.	10	10	10	10	10	9	G	I	I	I	I	I	...	...	...	...	...	...	om$_0$, p ●⁰ 9h 30m *a and p* : om$_0$,
9	St.	St : St-Cu.	St.	10	10	10	10	10	10	h	I	I	h	h	h	...	...	...	...	...	...	c, oid$_0$ *a* : c, o *p* : o *n* : m_0 all day.
10	St.	St : St-Cu.	St.	10	10	9	9	10	10	h	I	I	I	I	I	p●⁰	...	...	...	...	...	o, cp ●⁰ *a* : c, o *p* : o *n* : m_0 all day.
11	St : St-Cu.	St : St-Cu.	St-Cu.	10	10	10	10	10	10	j	j	j	j	j	j	...	...	...	...	...	...	om$_0$, c *a* : c *p and n.*
12	Nb.	St-Cu.	St.	10	10	9	9	10	10	F	j	k	k	j	j	d	d_0	...	...	p▲⁰	...	c, oid$_0$, c *a* : c *p* : cp▲⁰, o *n.*
13	St.	St : St-Cu.	St.	10	10	9	9	10	10	h	h	j	j	j	j	...	...	p●⁰	...	...	...	om$_0$, cp ●⁰ *a* : c *p* : o, bc *n.*
14	St : A-St.	St-Cu : A-St.	St-Cu : A-St.	10	10	10	10	10	10	i	i	j	j	j	i	...	✱⁰	...	...	...	✱⁰	bc, cp✱⁰m_0 *a* : cp✱⁰, c *p*: c,o✱⁰m_0 *n.*
15	Nb.	Nb.	Nb.	10	10	10	10	4	0	h	G	I	h	h	j	✱	✱	✱⁰	✱⁰	✱⁰	...	✱ 3 cms., o✱⁰m_0 *a* : o✱⁰m_0, bci✱⁰m_0 *p* : bc, b *n.*
16	St : Fr-St.	Fr-St : Cu : St-Cu.	St.	7	7	9	8	10	10	h	G	j	j	j	j	...	...	p✱⁰	...	...	...	✱ 3 cms., b, cp✱⁰ *a* : c, o *p* : oc, *n.*
17	A-Cu.	St-Cu.	St-Cu.	1	1	9	9	1	5	k	k	k	k	j	g	...	...	...	...	...	...	✱ 3 cms., c, b,c *a* : c, b *p* : bcz$_0$ *n.*
18	St : St-Cu.	St-Cu.	St-Cu.	9	9	9	4	1	8	j	j	j	I	h	g	...	...	...	...	...	...	✱ 2–3 cms., bcz$_0$, c, cp✱⁰, c *a* : cp✱⁰, bm$_0$ *p* : b, cm$_0$⌴⩙ glow, op✱⁰ *n.*
19	St.	Fr-St : St-Cu.	St : St-Cu.	9	4	6	8	3	10	I	j	j	j	j	i	...	...	...	p✱⁰	...	...	✱ 2 cms., b⌴, cp✱⁰, bc *a* : cp✱⁰ *p* : bc, om$_0$ *n.*
20	St-Cu.	Fr-St : A-St.	St.	9	7	9	9	4	8	i	j	j	j	j	i	...	...	...	...	...	...	✱ 2 cms., op✱⁰, bc, c *a* : c, *p* : bc, cm$_0$ *n.*
21	Nb.	St.	St.	10	10	10	10	10	10	g	I	I	I	i	i	p✱⁰	...	...	d_0	●⁰	d_0	✱ 2 cms., op✱⁰m_0 *a* : op✱⁰, o ●⁰m_0 *p* : oi ●⁰, o✱⁰m_0 *n.*
22	Nb.	Nb.	Nb.	10	10	10	10	10	10	g	G	G	h	h	h	●	●	●	d_0	d_0	d_0	o, o ●m_0 *a* : oid$_0$$m_0$ *p* : oid$_0$$m_0$ *n.*
23	Nb.	St : Fr-St : A-St.	Nb.	9	10	10	10	10	10	h	j	j	h	h	i	d⁰	...	...	●	●⁰	...	ci ●⁰ *a* : o✱, oi ●⁰m_0 *p* : oi ●⁰m_0, c *n.*
24	St : St-Cu.	Fr-St : St-Cu.	St : St-Cu.	9	10	10	10	9	10	I	I	j	j	j	j	...	...	...	...	...	...	cm$_0$, ci ●⁰ *a* : c *p* : c, op✱⁰, c *n.*
25	St.	Nb.	—	10	8	10	8	0	1	I	I	F	I	j	j	...	...	✱	p✱	...	...	cp✱⁰, o✱m_0 + *a* : cp✱⁰m, b + *p* : bcp✱, b + *n.*
26	Nb.	Nb : Fr-Nb.	—	7	8	7	5	0	2	j	I	j	j	j	j	p✱ˢ	p✱ˢ	...	...	...	...	✱ variable bcp✱, + *a* : cp✱m_0, bc, + *p* : b, + *n.* [c, b *n.*
27	St : St-Cu.	Cu : St-Cu.	St-Cu.	1	2	2	5	2	1	k	k	j	k	k	j	...	...	...	...	...	...	✱ variable bcp✱⁰, b, + *a* : bc, b *p* :
28	St-Cu.	Cu.	Cu.	1	2	1	0	0	1	k	k	k	k	j	j	...	...	...	...	...	...	✱ variable b⌴, b *a* : b *p* : b⌴, ⩙ *n.*
29	St.	Cu.	St-Cu.	3	5	7	4	4	4	k	k	l	k	k	k	...	...	...	...	...	...	✱ variable bc⌴, bc *a* : bc *p* : bc⌴ *n.*
30	St.	Cu : Fr-Cu.	—	3	2	3	4	0	0	k	k	j	j	j	i	...	...	...	...	...	...	✱ variable bc⌴, b, bc *a* : bc, b *p* : b⌴, m_0 *n.*
31	St : Ci.	St : St-Cu.	St.	4	7	10	10	9	0	i	I	j	h	h	h	...	...	...	✱⁰	...	...	✱ variable bc ⌴m_0, c *a* : c, o✱⁰, cm$_0$ *p* : c, b⌴, m_0 *n.*
Mean Cloud m'nt				7·9	8·1	8·5	8·3	6·8	7·1													
Mean Annual Cloud m'nt				7·8	7·8	8·0	8·0	7·3	6·8													
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						Remarks on the Weather of the Day.

*F

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

264. Eskdalemuir. **1927.**

Month.	January Factor 6·10				February. Factor 6·15.				March. Factor 6·21.			
Hour. G.M.T.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
Day.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	91	100	149	55	136	132	288	903	z—	135	170	44
2	130	102	77	149	241	382	558	374	89	135	z—	z—
3	42	159	149	z±	— 269	187	206	6	4	179	170	608
4	123	257	119	580	17	63	115	168	— 733	116	286	179
5	474	64	z—	414	359	308	z—	153	174	—1351	25	569
6	76	159	202	z—	113	117	153	— 311	95	73	125	158
7	42	z+	299	578	428	122	296	250	129	176	152	— 585
8	448	— 293	z—	z±	181	138	223	317	— 25	282	208	— 675
9	76	121	93	129	227	132	235	210	170	172	120	145
10	34	95	113	60	99	229	321	573	114	176	125	289
11	z+	112	— 144	— 155	250	397	481	817	401	199	71	197
12	68	255	z—	z—	483	374	357	563	288	191	106	454
13	— 127	74	— 142	198	357	712	588	z—	251	135	77	228
14	329	100	153	142	250	401	497	166	135	174	189	274
15	— 140	160	285	495	130	229	581	959	110	170	224	— 301
16	170	168	— 246	403	—	—	626	667	158	334	266	— 675
17	217	206	251	473	395	581	250	367	—	—	247	457
18	389	195	421	266	204	227	250	821	405	477	255	430
19	261	140	586	578	344	430	— 109	323	309	332	284	10
20	246	244	438	851	319	151	122	728	81	286	195	291
21	z—	155	408	404	563	403	602	296	442	363	307	386
22	287	210	212	304	z—	115	z—	191	68	120	172	411
23	255	301	185	z+	z—	453	z—	583	176	199	z+	178
24	77	283	185	z—	416	892	—	—	—	—	124	351
25	—	—	353	z—	—	—	225	— 134	z—	212	— 191	— 741
26	291	319	136	— 40	z	290	115	—1585	125	118	214	178
27	z—	113	183	147	269	350	243	506	— 97	401	— 97	342
28	25	74	113	208	287	— 793	101	143	z±	116	141	293
29	z+	z+	77	221	—	—	—	—	176	131	172	60
30	91	85	185	244	—	—	—	—	z—	z—	181	268
31	42	z±	z—	93	—	—	—	—	179	156	172	334
(*a*)	179	164	224	318	276	313	310	438	185	206	177	285
(*b*)	147	156	173	300	233	212	273	409	129	148	166	144
Mean	(*a*) 221. (*b*) 194.				(*a*) 334. (*b*) 282.				(*a*) 213. (*b*) 147.			

Month.	April. Factor 6·28.				May. Factor 6·34.				June. Factor 6·31.			
Hour. G.M.T.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
Day.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	250	248	z+	716	214	135	161	198	127	177	189	96
2	215	235	z±	380	—	80	z+	z—	413	135	101	117
3	223	188	180	425	—	—	—	—	103	107	148	135
4	83	145	217	— 275	—	—	— 488	372	250	64	86	154
5	91	99	184	355	24	45	96	196	97	121	96	175
6	421	211	120	72	98	92	294	251	293	97	107	119
7	z±	177	235	208	—	361	233	196	138	76	z+	90
8	155	78	192	z±	451	212	167	514	68	127	406	220
9	419	332	231	229	—	—	118	116	197	158	129	224
10	z—	z+	138	200	61	6	98	157	156	181	166	232
11	114	— 6	223	372	80	118	196	486	113	133	123	351
12	252	151	97	177	278	174	— ·25	263	137	275	170	181
13	105	161	97	— 111	82	108	127	272	123	152	138	330
14	200	217	z—	159	— 51	310	— 73	220	220	349	154	298
15	175	217	z+	262	88	z+	157	296	257	172	183	154
16	258	134	136	433	347	208	z—	88	125	150	216	— 579
17	458	118	118	144	196	145	163	131	291	— 39	189	220
18	116	229	6	64	237	245	196	237	—	—	—	—
19	182	244	134	272	167	147	137	216	—	—	—	—
20	153	101	157	95	192	— 39	— 214	153	—	—	127	156
21	99	177	256	264	— 76	— 92	67	14	88	z+	97	107
22	95	50	z—	z—	214	— 423	135	161	154	142	— 449	z—
23	97	z+	233	— 204	135	171	200	120	— 131	— 88	— 64	355
24	177	132	— 132	z+	61	172	100	396	z—	— 45	84	156
25	175	z—	219	237	349	212	118	278	499	— 14	— 59	— 140
26	161	196	291	231	172	55	98	55	z—	121	z±	80
27	184	— 221	147	239	59	67	120	202	— 51	133	76	94
28	113	138	— 126	184	272	192	114	251	99	97	60	— 382
29	211	215	231	320	139	96	39	143	z—	175	191	326
30	192	151	310	190	98	67	65	100	408	357	82	441
31	—	—	—	—	253	135	100	118	—	—	—	—
(*a*)	192	174	181	259	178	148	137	214	198	159	144	200
(*b*)	202	145	158	194	154	98	103	214	181	135	128	133
Mean	(*a*) 201. (*b*) 175.				(*a*) 169. *b*) 142.				(*a*) 175. (*b*) 144.			

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z+, Indeterminate, positive value; z—, Indeterminate, negative value; z±, Indeterminate in magnitude and sign.
(*a*) Mean of all positive readings. (*b*) Mean from all complete days using both positive and negative readings.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

264. Eskdalemuir. **1927.**

Month.	July. Factor 6·25.				August. Factor 6·18.				September. Factor 6·11.			
Hour. G.M.T.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
Day.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	z —	—	173	231	71	191	117	254	264	300	196	186
2	116	190	130	398	588	138	78	151	505	—	—	—
3	81	107	177	52	185	229	176	212	—	—	—	—
4	—	107	202	402	115	132	115	227	—	—	204	277
5	145	—	z ±	295	176	225	153	569	178	161	140	161
6	107	—	101	211	894	309	134	332	176	—	—	—
7	268	z ±	178	91	29	76	z+	z+	—	—	267	528
8	225	431	173	720	176	—	−661	44	58	229	—	−124
9	—	—	153	407	705	287	z ±	z+	−2	206	47	220
10	136	—	565	z ±	—	—	187	17	167	180	133	−101
11	151	—	—	—	48	214	—	—	273	245	168	346
12	—	—	124	—	—	233	134	−180	262	252	206	333
13	145	114	118	243	71	73	134	115	196	153	26	127
14	404	161	z ±	145	− 367	168	−204	332	−19	—	—	—
15	272	153	136	194	197	63	115	139	—	—	198	355
16	—	—	153	384	99	73	—	308	112	299	151	88
17	180	132	116	56	164	206	159	363	322	151	221	236
18	—	87	145	275	162	189	− 31	69	21	144	174	561
19	136	113	136	114	42	48	170	300	131	269	z —	166
20	—	173	114	233	306	76	151	489	129	183	114	116
21	−41	299	114	231	525	162	151	− 4	34	−267	−338	—
22	574	111	200	101	—	—	151	z ±	z ±	—	193	− 47
23	134	227	134	314	170	172	z —	302	z —	170	200	294
24	72	116	99	145	319	321	149	178	159	—	228	615
25	126	111	116	159	243	287	166	437	271	—	−165	180
26	157	163	198	458	—	—	—	—	168	—	271	− 80
27	429	—	—	114	—	—	—	233	224	194	196	395
28	357	—	136	495	−535	111	117	363	—	—	17	37
29	—	—	33	256	113	—	151	273	z —	260	z ±	337
30	116	250	184	206	365	—	197	309	467	204	z —	60
31	—	—	114	171	134	262	—	424				
(*a*)	206	169	164	254	246	177	145	268	206	212	167	277
(*b*)	164	180	145	242	186	172	109	266	179	206	148	208
Mean	(*a*) 198. (*b*) 183.				(*a*) 209. (*b*) 183.				(*a*) 215. (*b*) 185.			

Month.	October. Factor 6·08.				November. Factor 6·10.				December. Factor 6·17.			
Hour. G.M.T.	3 h.	9 h.	15 h.	21 h.	3 hr.	9 h.	15 h.	21 h.	3 h.	9 hr.	15 h.	21 h.
Day.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	72	z —	191	366	182	145	z —	113	38	56	186	288
2	94	22	93	309	z —	394	186	538	241	209	385	207
3	—	—	163	253	z —	− 19	221	97	220	133	171	149
4	144	207	146	342	−167	39	110	223	150	149	169	150
5	220	207	537	477	− 69	− 32	z+	139	229	113	395	295
6	372	344	296	675	115	141	130	443	135	−308	—	—
7	446	316	237	228	260	303	136	471	—	—	—	—
8	220	418	102	57	130	167	322	246	—	—	66	337
9	126	137	152	538	167	448	z+	1006	149	197	508	34
10	590	337	420	879	249	223	195	370	259	182	—	—
11	559	398	374	522	167	227	259	484	—	—	235	115
12	581	561	318	781	z+	132	231	318	39	92	207	152
13	464	265	326	494	253	149	281	420	—	—	—	—
14	128	183	165	218	234	73	74	446	587	276	130	z+
15	111	129	109	44	244	314	z —	z —	21	−237	149	414
16	198	150	− 2	133	− 57	489	227	275	656	368	493	122
17	94	98	146	220	56	493	337	409	115	167	207	410
18	111	170	168	461	357	− 71	− 528	177	415	449	521	464
19	—	—	z —	331	z —	112	166	56	246	—	406	600
20	196	296	244	335	− 17	− 2	65	54	278	545	327	547
21	324	261	170	z —	71	52	37	z —	581	517	—	—
22	z —	z —	z —	203	39	−147	218	106	—	—	− 39	—
23	205	211	170	361	50	− 15	−521	240	55	56	− 51	118
24	78	446	94	52	113	190	264	58	85	130	167	154
25	170	z —	− 37	z —	158	253	190	257	98	94	227	286
26	39	91	z —	370	93	102	78	136	227	z+	z+	z+
27	z —	72	z —	z ±	233	32	188	298	—	—	254	404
28	148	368	—	—	128	231	24	97	205	113	382	417
29	—	—	276	—	201	130	286	247	320	425	357	310
30	—	—	—	—	126	206	216	366	147	149	314	397
31	—	—	200	601					243	393	288	436
(*a*)	237	247	222	370	165	210	185	289	230	229	284	296
(*b*)	260	258	216	375	130	153	121	277	195	190	284	282
Mean	(*a*) 269. (*b*) 277.				(*a*) 212 (*b*) 170.				(*a*) 260. (*b*) 238.			
Annual Means ... (*a*)									208	201	195	289
(*b*)									180	171	169	254
									(*a*) 223		(*b*) 193.	

The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z + Indeterminate, positive value; z — Indeterminate, negative value; z ± Indeterminate in magnitude and sign.

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

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

265. Eskdalemuir. * 0*a* DAYS ONLY. **1927.**

Month and Season.	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.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	− 30	− 57	− 47	−109	−118	−113	**−146**	−115	−135	−129	−103	−115	− 41	+ 18	+132	+143	+151	+185	**+188**	+163	+152	+112	+ 38	− 15	−171	3	295
Feb. ...	− 46	− 50	− 98	− 82	−104	− 82	**−108**	−106	− 79	− 68	− 66	− 32	− 33	− 33	− 50	− 29	+ 65	+106	+172	+218	**+229**	+195	+ 98	− 7	+113	8	381
Mar. ...	+ 34	+ 19	+ 19	+ 16	− 13	− 51	− 44	− 11	− 9	− 21	− 30	− 24	− **59**	− 42	− 55	− 48	− 41	− 5	+ 67	+ 90	**+100**	+ 54	+ 38	+ 20	+ 2	5	221
April ...	+ 3	+ 17	+ 29	+ 58	− 1	+102	+ 82	+ 29	− 22	− 74	− 71	− 62	− 81	**−122**	− 79	− 62	− 68	+ 19	+ 32	− 3	**+128**	+ 80	+ 69	0	+ 74	3	220
May ...	+ 45	+ 10	+ 24	+ 6	− 19	− 6	+ 36	− 44	− 37	− 36	− 46	**− 48**	− 44	− 40	− 39	− 37	− 19	+ 5	+ 5	+ **73**	+ 61	+ 42	+ 55	+ 63	+ 19	9	193
June ...	+ 23	+ 2	− 26	− 24	− 32	+ 27	+ 4	− 3	+ 9	− 23	− 34	− 31	− 36	− **39**	− 38	− 27	− 20	− 10	− 5	+ 43	+ **67**	+ 60	+ 59	+ 51	− 17	7	192
July ...	+ 40	+ 20	− 1	+ 3	+ 27	+ 33	− 7	+ 24	+ 17	− 13	− 37	− 32	− 52	− 58	− 59	− 52	− **72**	− 63	− 34	− 12	+ 78	**+123**	+ 72	+ 56	+ 16	5	196
Aug. ...	+ 24	+ 52	+ 73	+115	**+129**	+114	+ 45	− 23	− 51	− 87	**−113**	−106	−101	− 98	−111	− 98	− 80	− 56	+ 17	+ 73	+125	+ 91	+ 22	+ 40	− 90	6	256
Sept. ...	+ 56	+ 24	+ 39	− 41	− **72**	− 48	− 22	− 16	0	− 11	− 69	− 67	− 67	− 58	− 59	− 52	− 3	+ 2	+ 34	+111	+ 92	+104	**+137**	− 5	+ 68	3	240
Oct. ...	+ 27	− 23	− 25	− 52	− 29	− 21	+ 28	+ 6	− 68	−103	−137	**−148**	−143	−125	− 60	+ 3	+ 48	+110	+146	**+161**	+143	+131	+109	+ 23	− 54	8	391
Nov. ...	− 25	− 68	− 73	− 64	− **77**	− 60	− 66	− 49	− 39	− 18	+ 4	+ 4	+ 15	+ 21	+ 3	+ 41	+ 57	+ **92**	+ 74	+ 87	+ 91	+ 36	+ 15	− 11	− 31	7	222
Dec. ...	− 32	− 38	− 31	− 45	− 45	− 31	− 34	− 35	− 19	− 32	− **52**	− 22	− 13	+ 4	+ 32	**+113**	+103	+ 54	+ 52	+ 51	+ 15	+ 12	+ 20	− 29	− 14	11	295
Year ...	+ 10	− 8	− 10	− 18	− 29	− 11	− 19	− 29	− 36	− 51	− **63**	− 57	− 55	− 48	− 32	− 9	+ 10	+ 37	+ 62	+ 88	**+107**	+ 87	+ 61	+ 16	—	—	259
Winter	− 33	− 53	− 62	− 75	− 86	− 71	− **89**	− 76	− 68	− 62	− 53	− 41	− 18	+ 3	+ 29	+ 67	+ 94	+109	+121	**+130**	+122	+ 89	+ 43	− 15	—	—	298
Equinox	+ 30	+ 9	+ 15	− 5	− 29	− 5	+ 11	+ 2	− 25	− 52	− 77	− 75	− **87**	− 87	− 63	− 40	− 16	+ 31	+ 70	+ 90	**+116**	+ 92	+ 88	+ 9	—	—	268
Summer	+ 33	+ 21	+ 17	+ 25	+ 26	+ 42	+ 19	− 11	− 15	− 40	− 57	− 54	− 58	− 59	− **62**	− 53	− 48	− 31	− 4	+ 44	+ **83**	+ 79	+ 52	+ 53	—	—	209

266. Eskdalemuir. * 1*a* AND 2*a* DAYS ONLY. **1927.**

Month and Season.	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.	Non-cyclic change 24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	+ 33	+ 14	+ 31	+ 39	+ 13	− 34	− 40	− 23	− 14	− 2	− 11	+ 8	+ 8	+ 4	− 6	− 4	− 4	− **83**	− 49	+ 36	− 6	+ 6	+ **51**	+ 41	+ 79	5	148
Feb. ...	+ 40	− 45	+**136**	− 3	+ 22	+ 66	− 28	+ 4	− 5	− 28	**−102**	− 61	− 19	+ 33	+ 71	− 36	− 57	− 37	+ 38	+ 37	+ 29	− 15	+ 21	− 67	+ 51	3	303
Mar. ...	− 46	− 52	− 15	+ 44	+ 78	+ 38	+ **99**	+ 53	+ 28	− 44	− 41	− 14	− 51	− 55	− 69	− **78**	− 63	− 9	+ 59	+ 26	+ 84	+ 46	− 7	− 1	+ 81	5	243
April ...	+ 14	+ 31	+ 18	+ 25	− 27	− **32**	− 11	+ **58**	− 8	− 5	0	− 12	− 18	− 14	− 16	+ 28	− 3	− 6	+ 11	+ 31	− 12	− 12	− 18	− 11	− 95	7	169
May ...	+ 20	− 19	− 11	− 11	− 6	+ 9	+ 20	0	− 44	− 54	− 61	− **81**	− 41	− 25	− 24	+ 25	+ 35	+ 35	+ 29	+ 39	+ **46**	+ 36	+ 41	+ 43	− 55	7	130
June ...	− 11	− **47**	− 46	− 6	+ 52	+ 40	+ 2	− 30	− 11	− 11	− 13	− 17	− 27	− 36	− 24	− 20	− 16	− 10	+ 14	+ 61	+ **66**	+ 25	+ 46	+ 31	− 44	1	126
July ...	+ 34	− 38	− **55**	− 27	+ 15	− 36	− 20	− 24	− 29	− 21	− **55**	− 9	− 52	− 26	− 22	− 12	− 3	+ 33	+ 38	+ 81	+ 77	+ **95**	+ 71	− 7	0	5	166
Aug. ...	+ 1	− 11	− 25	− 10	− 1	+ 44	+ 46	+ 17	− 6	− 17	− 47	− 73	−**101**	− 57	− 6	− 5	+ 12	+117	+**154**	+ 34	− 2	− 7	− 35	− 15	+ 17	2	159
Sept. ...	+ 6	− 48	− 34	− 30	− 50	− 18	− 32	+ 48	+ 48	− 5	− 17	− 51	− 50	− 50	− **94**	− 60	+ 1	+ 52	+ **92**	+ 90	+ 42	+ 78	+ 62	+ 9	+ 1	2	131
Oct. ...	+ 3	+ 24	+ 1	− 5	− 13	− 30	+ 27	+ **87**	+ 39	− 10	− 38	− 29	− 39	− 73	− 77	− **94**	+ 29	+ 34	+ 53	− 38	+ 15	+ 50	+ 75	− 2	+ 36	5	182
Nov. ...	− 59	−129	−**188**	−180	−139	+ 42	+ 6	+ **99**	+ 96	+ 50	+ 37	+ 27	+ 18	− 5	+ 3	+ 35	+ 44	+ 76	+ 39	+ 2	+ 26	+ 85	+ 58	− 41	− 17	2	145
Dec. ...	− 22	− 43	− 60	− 50	− 73	− 64	−117	− 64	−**130**	− 74	− 9	+ 7	− 9	+ 31	+ 21	+ 48	+ 59	+ 90	+**120**	+106	+ 87	+ 73	+ 35	+ 39	+ 39	5	151
Year ...	+ 1	− 30	− 21	− 18	− 11	+ 2	− 4	+ 19	− 3	− 18	− 30	− 25	− **32**	− 23	− 20	− 14	+ 3	+ 24	+ **50**	+ 42	+ 38	+ 38	+ 33	+ 2	—	—	171
Winter	− 2	− **51**	− 20	− 49	− 44	+ 3	+ 45	+ 4	− 13	− 13	− 21	− 5	− 1	+ 16	+ 22	+ 11	+ 11	+ 11	+ 37	+ **45**	+ 34	+ 37	+ 41	− 7	—	—	187
Equinox	− 6	− 11	− 7	+ 8	− 3	− 11	− 21	− 61	+ 27	− 16	− 24	− 27	− 39	− 48	− **64**	− 51	− 9	+ 18	+ **54**	+ 27	+ 32	+ 41	+ 28	− 1	—	—	181
Summer	+ 11	− 29	− 34	− 13	+ 15	+ 14	+ 12	− 9	− 23	− 26	− 44	− 45	− **55**	− 36	− 19	− 3	+ 7	+ 44	+ **59**	+ 54	+ 47	+ 37	+ 31	+ 13	—	—	145

* NOTE.—For explanation of 0*a*, 1*a* and 2*a* Days, *see* page 231.

ELECTRICAL CHARACTER OF EACH DAY.

267. Eskdalemuir. **1927.**

Month.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.												
1	1*a*	0*a*	2*b*	1*b*	1*a*	1*b*	2*c*	1*b*	1*b*	2*b*	2*c*	1*a*
2	1*b*	1*b*	2*c*	1*b*	2*c*	1*b*	1*a*	0*a*	—	1*b*	2*c*	0*a*
3	2*b*	2*c*	1*b*	0*a*	2*c*	2*c*	1*a*	1*a*	—	0*a*	2*c*	0*a*
4	1*b*	1*c*	1*b*	2*b*	2*c*	2*c*	1*b*	0*a*	—	0*a*	2*b*	0*a*
5	2*c*	2*b*	2*b*	2*c*	1*a*	1*a*	2*c*	0*a*	0*a*	0*a*	2*c*	1*a*
6	2*c*	1*b*	1*a*	1*a*	0*a*	1*b*	1*a*	0*a*	—	0*a*	1*b*	—
7	1*b*	1*a*	2*b*	1*c*	0*a*	1*b*	2*c*	2*c*	—	0*a*	1*b*	—
8	2*c*	0*a*	2*b*	1*b*	0*a*	1*b*	0*a*	2*b*	1*b*	1*a*	0*a*	—
9	1*a*	0*a*	0*a*	1*b*	1*a*	0*a*	0*a*	1*c*	1*a*	0*a*	1*b*	—
10	1*a*	0*a*	0*a*	1*c*	1*a*	0*a*	2*c*	1*c*	2*b*	0*a*	0*a*	—
11	2*c*	0*a*	1*b*	2*b*	0*a*	0*a*	1*a*	1*b*	0*a*	0*a*	0*a*	—
12	2*c*	0*a*	0*a*	1*b*	1*a*	0*a*	1*a*	1*b*	0*a*	0*a*	1*b*	1*a*
13	2*b*	1*b*	1*a*	2*a*	1*b*	0*a*	1*b*	1*a*	1*a*	1*b*	1*a*	0*a*
14	1*a*	1*b*	0*a*	2*b*	2*c*	0*a*	1*b*	2*c*	2*b*	0*a*	1*a*	1*b*
15	2*b*	0*a*	1*b*	1*b*	1*b*	0*a*	0*a*	1*b*	0*a*	1*a*	2*c*	1*a*
16	1*b*	0*a*	1*a*	0*a*	2*c*	2*b*	0*a*	1*a*	1*b*	1*a*	1*a*	0*a*
17	1*a*	0*a*	0*a*	1*a*	0*a*	2*b*	0*a*	0*a*	1*b*	1*b*	1*b*	0*a*
18	0*a*	0*a*	1*a*	1*a*	0*a*	—	0*a*	2*b*	1*b*	1*a*	1*b*	0*a*
19	0*a*	1*b*	1*b*	0*a*	0*a*	—	0*a*	2*c*	1*b*	2*c*	2*b*	—
20	0*b*	1*b*	1*a*	1*a*	2*c*	—	1*a*	1*b*	1*b*	0*a*	2*a*	0*a*
21	1*b*	1*a*	0*a*	1*a*	2*c*	1*b*	1*b*	1*c*	2*b*	2*c*	2*b*	—
22	0*a*	2*c*	1*b*	2*c*	1*b*	2*b*	1*b*	1*c*	2*c*	2*c*	1*b*	—
23	1*b*	1*b*	2*c*	2*c*	1*a*	1*b*	0*a*	1*b*	2*b*	1*a*	2*b*	1*a*
24	2*b*	—	1*b*	2*b*	1*b*	2*c*	1*a*	1*b*	2*b*	2*b*	1*b*	0*a*
25	2*c*	—	2*c*	2*b*	0*a*	2*c*	1*a*	0*a*	2*a*	2*c*	0*a*	1*c*
26	2*c*	2*c*	1*b*	1*b*	1*a*	2*b*	1*a*	—	1*a*	2*c*	0*a*	1*c*
27	1*c*	1*a*	2*b*	1*b*	1*b*	2*a*	2*c*	—	0*a*	2*c*	2*b*	0*a*
28	2*b*	2*b*	1*b*	1*b*	0*a*	2*c*	1*b*	1*b*	1*b*	2*c*	2*b*	0*a*
29	1*b*	—	1*b*	1*a*	0*a*	2*b*	0*a*	0*a*	2*c*	2*b*	0*a*	0*a*
30	1*b*	—	2*c*	1*b*	1*a*	1*b*	1*b*	1*a*	2*c*	—	0*a*	0*a*
31	2*c*	—	0*a*	—	0*a*	—	—	1*a*	—	—	—	0*a*
Mean	1·29	0·81	1·06	1·20	0·87	1·15	0·87	0·93	1·12	0·97	1·17	0·36
No. of days used...	31	26	31	30	31	27	30	29	25	29	30	22

Annual Mean Character Figure 1·00.

Explanatory Note.—The electric 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 one or more excursions of limited duration to the negative side of the scale.

2, denotes negative potential extending in the aggregate over 3 hours or more.

" *a*," denotes that within the 25 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 1000 volts was reached in at least one but in fewer than six of the 25 hourly periods referred to above.

" *c* " denotes that a range of 1000 volts or more occurred in at least six of the 25 hourly periods.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

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

268. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **January, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	1035	1035	1037	1039	1030	1033	1035	1035	1035	1044	1039	1036	1031	1023	1031	1040	1030	1032	1042	1044	1045	1042	1036	1061	1031	1037
2	1031	1035	1022	1025	1036	1030	1030	1031	1030	1025	1021	1015	1008	1011	1016	1012	1027	1035	1029	1035	1030	1031	1035	1037	1036	1027
3	1035	1035	1035	1036	1035	1038	1036	1035	1034	1032	1024	1020	1020	1020	1024	1032	1035	1041	1041	1039	1039	1035	1034	1035	1033	1033
4 D	1035	1037	1040	1034	1040	1050	1039	1035	1034	1029	1019	1005	1000	1009	1010	1019	1025	1033	1025	1029	1091	1015	1020	1033	1029	1029
5	1029	1024	1020	1022	1024	1039	1039	1039	1039	1034	1029	1034	1026	1017	1029	1039	1038	1039	1034	1040	1038	1038	1039	1039	1034	1033
6	1034	1044	1031	1035	1031	1030	1031	1032	1030	1030	1029	1029	1024	1026	1025	1022	1033	1035	1040	1038	1039	1039	1039	1037	1034	1033
7 D	1033	1035	1034	1038	1038	1039	1039	1042	1039	1015	1019	995	970	965	993	999	990	998	970	946	921	950	998	985	960	**1001**
8	960	994	979	991	1001	1003	1003	1004	1014	1009	1004	999	990	994	999	1003	1006	1009	1014	1019	1020	1023	1020	1019	1019	1004
9 Q	1019	1019	1019	1023	1023	1023	1024	1024	1028	1024	1019	1009	1004	1005	1009	1014	1014	1019	1023	1024	1025	1024	1024	1026	1034	1020
10 Q	1034	1029	1025	1025	1023	1024	1029	1031	1029	1028	1024	1019	1014	1014	1014	1016	1020	1028	1028	1033	1037	1038	1036	1034	1039	1026
11	1039	1043	1038	1034	1034	1034	1034	1038	1033	1034	1029	1031	1023	1005	1003	1018	1021	1014	1009	1008	1018	1023	1029	1028	1028	1026
12	1028	1029	1030	1024	1029	1033	1027	1036	1033	1023	1033	1033	1024	1015	1012	999	1008	1013	1019	1023	1028	1031	1034	1038	1024	1025
13	1023	1018	1024	1018	1022	1022	1027	1029	1031	1019	1022	1027	1027	1016	1020	1002	1023	1028	1028	1032	1032	1033	1032	1025	1025	1024
14	1025	1034	1028	1027	1032	1031	1028	1031	1032	1028	1027	1023	1013	1012	1018	1018	1023	1028	1013	1028	1028	1033	1031	1037	1027	1026
15	1027	1032	1032	1030	1033	1037	1038	1038	1037	1034	1032	1019	1012	1014	1013	1012	1027	1027	1032	1032	1028	1026	1028	1029	1033	1028
16	1033	1036	1036	1033	1034	1041	1038	1038	1038	1033	1018	1014	1013	1014	1022	1023	1028	1031	1029	1022	1028	1036	1037	1038	1037	1030
17	1037	1037	1038	1040	1037	1039	1043	1042	1037	1038	1027	1025	1008	1002	1012	1020	1022	1023	1022	1024	1029	1032	1035	1034	1032	1029
18	1032	1028	1028	1035	1047	1038	1047	1033	1018	1022	1013	1003	999	993	999	1013	1025	1031	1034	1037	1037	1036	1032	1033	1033	1026
19	1033	1032	1042	1037	1032	1038	1041	1042	1028	1020	1013	1007	993	995	1008	1021	1021	1022	1017	1024	1042	1034	1036	1038	1036	1026
20	1036	1033	1034	1036	1038	1040	1042	1042	1040	1029	1020	1018	1013	1013	1014	1030	1032	1033	1035	1035	1036	1037	1037	1037	1037	1032
21 Q	1036	1037	1031	1036	1037	1037	1042	1046	1037	1033	1026	1017	1017	1021	1022	1026	1026	1029	1033	1034	1037	1041	1041	1041	1039	1033
22 Q	1039	1039	1040	1041	1041	1042	1046	1046	1045	1040	1031	1022	1018	1020	1026	1033	1034	1034	1036	1041	1041	1044	1042	1041	1040	1037
23 Q	1040	1039	1041	1040	1036	1041	1043	1044	1042	1037	1031	1025	1018	1018	1026	1030	1031	1035	1036	1039	1041	1041	1042	1041	1041	1036
24 D	1041	1043	1041	1042	1050	1052	1060	1067	1061	1051	1045	1028	1024	1031	1040	1046	1041	1042	1032	1032	1031	1031	1035	1036	1059	**1042**
25 D	1059	1046	1046	1051	1051	1052	1056	1060	1046	1036	1026	1022	1022	1017	1013	1029	1034	1034	1036	1036	1037	1024	1021	1029	1030	1036
26	1030	1037	1035	1046	1028	1035	1029	1025	1012	1012	1003	997	997	1008	1026	1027	1026	1012	1017	1021	1026	1036	1036	1035	1026	1023
27	1026	1027	1021	1022	1026	1031	1031	1032	1032	1031	1021	1014	1013	1016	1021	1022	1027	1020	1024	1031	1032	1036	1036	1034	1033	1026
28	1033	1036	1035	1036	1032	1032	1036	1037	1034	1035	1031	1031	1024	1018	1022	1025	1022	1027	1031	1030	1046	1031	1030	1042	1037	1032
29	1036	1030	1031	1032	1033	1035	1035	1035	1032	1030	1025	1020	1015	1020	1022	1021	1026	1024	1028	1030	1030	1036	1042	1035	1035	1029
30	1035	1035	1035	1035	1035	1036	1040	1040	1041	1033	1025	1024	1022	1025	1031	1031	1030	1035	1023	1031	1030	1044	1040	1042	1032	1033
31	1032	1035	1039	1035	1034	1035	1044	1050	1049	1041	1031	1024	1020	1020	1025	1029	1030	1035	1036	1036	1030	1033	1030	1030	1035	1034
Mean†	1031	1033	1031	1032	1033	1035	1036	**1037**	1034	1030	1025	1020	1014	**1014**	1018	1022	1026	1028	1028	1031	1035	1034	1034	1035	1034	1029

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

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

269. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **January, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	437	437	432	431	443	438	438	437	437	437	443	447	456	457	466	470	469	454	457	449	444	441	431	325	411	440
2	411	398	413	432	436	433	438	437	437	436	437	438	444	451	452	435	439	438	443	440	436	431	432	437	437	435
3	437	437	438	440	440	439	437	437	431	431	437	443	445	451	451	449	448	449	445	443	442	441	437	436	437	441
4 D	437	444	437	443	447	433	443	444	437	432	431	441	453	463	464	451	450	445	441	423	391	373	431	452	437	438
5	437	431	431	431	444	437	439	437	431	439	444	451	451	447	457	457	451	451	449	445	450	439	431	436	436	442
6	436	411	419	420	424	429	437	437	437	437	441	445	443	451	450	443	447	446	445	443	438	436	437	437	437	437
7 D	437	*	—	—	—	—	—	—	—	*	439	437	444	457	451	463	464	444	431	376	365	358	358	352	289	—
8	289	330	379	432	424	431	433	431	43	424	423	423	424	436	439	443	444	443	440	437	433	429	431	431	431	**423**
9 Q	431	431	433	437	437	437	437	43[illegible]	431	430	425	427	438	446	444	444	443	444	439	439	433	432	432	431	431	435
10 Q	431	430	437	432	431	431	433	433	434	435	431	437	445	451	450	449	445	444	443	441	439	437	437	436	432	438
11	432	421	423	428	437	438	443	444	443	435	429	445	451	458	457	448	448	458	451	437	445	438	437	437	437	441
12	437	431	464	431	429	431	439	437	430	421	432	437	444	457	464	458	453	454	445	443	437	431	423	412	417	439
13	417	412	413	431	437	436	433	433	430	432	430	431	443	457	462	446	451	449	445	443	437	431	432	424	431	436
14	431	424	430	432	431	430	431	431	431	431	428	431	439	450	451	449	451	452	437	444	444	437	419	390	430	434
15	430	428	437	437	437	438	439	437	432	425	429	437	445	457	459	444	444	446	444	443	438	433	417	430	443	438
16	443	438	437	445	457	445	441	431	428	419	417	431	443	452	463	451	445	444	443	437	431	437	437	434	437	439
17	437	438	437	437	437	439	440	441	437	434	429	436	450	457	462	449	443	438	435	427	434	431	428	421	430	438
18	430	436	453	451	429	438	443	443	444	431	427	429	441	451	457	443	436	439	441	441	437	437	435	423	425	439
19	425	437	437	433	437	437	438	437	443	439	437	451	445	444	445	444	437	443	437	437	423	436	437	431	432	438
20	432	437	438	439	441	441	438	437	431	428	426	431	443	445	443	441	442	439	439	437	431	434	437	437	437	437
21 Q	437	439	439	437	437	437	437	437	433	431	431	431	443	451	451	445	441	439	439	441	439	437	437	437	437	439
22 Q	437	437	437	439	440	441	438	437	437	434	432	437	449	455	457	451	450	448	448	446	443	438	437	437	437	442
23 Q	437	437	438	438	437	440	437	435	431	431	432	437	443	457	457	449	444	444	443	443	439	438	437	437	438	440
24 D	438	439	439	440	443	444	443	443	438	437	439	439	451	460	460	464	457	464	463	457	443	431	431	431	451	**446**
25 D	451	437	438	437	433	437	438	437	439	444	444	443	443	451	454	451	451	445	444	441	438	415	416	417	417	439
26	417	423	412	379	398	451	484	431	425	423	425	428	437	445	458	457	458	457	447	456	444	443	430	431	433	436
27	433	437	431	437	431	432	431	431	425	425	429	431	437	445	445	444	439	436	437	443	438	437	437	437	437	435
28	437	437	437	437	437	441	439	432	431	430	433	439	443	451	450	445	450	450	444	423	434	437	437	437	431	439
29	431	427	431	433	436	432	431	431	431	431	437	439	447	456	453	450	451	450	431	452	451	443	437	437	437	440
30	437	437	437	437	437	437	433	431	431	431	432	437	446	452	445	443	438	439	437	437	437	415	421	417	429	435
31	429	431	431	431	429	433	433	437	431	429	431	433	440	444	445	444	444	444	443	444	443	441	437	432	431	437
Mean†	428	428	432	434	435	437	439	436	434	431	432	437	444	452	**454**	449	447	446	443	442	437	433	432	**427**	433	438

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

† Mean of 30 days; 7th omitted. * Burner sooted up.

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

270. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **January, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1D	913	912	909	908	907	907	908	908	908	905	905	904	901	901	904	909	912	914	910	911	909	909	913	919	906	908
2	906	904	901	891	883	892	900	905	907	908	908	909	908	908	909	916	913	909	908	908	908	908	908	906	905	905
3	905	906	905	905	904	**904**	904	904	904	904	899	900	899	900	905	908	905	905	905	905	905	905	907	908	907	904
4D	907	904	904	904	900	**896**	898	899	900	904	907	908	907	905	908	912	913	913	915	925	909	913	926	937	932	909
5	933	919	916	914	908	905	904	904	902	900	900	899	904	909	912	910	910	909	909	912	911	914	914	914	914	909
6	914	915	910	906	906	906	905	904	902	900	897	896	900	899	905	909	909	909	910	909	906	906	905	905	905	905
7D	905	904	905	905	905	905	905	904	902	902	899	901	909	931	939	935	948	1011	1013	992	938	828	879	854	840	**916**
8	840	853	857	849	889	909	914	918	918	918	919	920	919	917	921	922	919	918	918	918	918	917	914	914	914	907
9Q	914	913	913	913	913	913	913	912	910	909	909	904	903	909	914	914	914	914	914	913	913	913	912	911	909	912
10Q	909	906	906	908	909	909	909	909	909	908	907	902	900	903	905	907	909	909	909	909	909	906	906	905	904	907
11	904	900	898	899	899	901	901	901	901	901	901	897	900	904	907	909	909	916	931	938	930	926	920	914	910	909
12	911	907	889	889	899	901	902	904	906	906	902	902	901	902	910	919	920	920	923	920	919	919	919	914	913	909
13	913	913	910	907	906	906	906	907	9p6	906	906	905	903	904	910	912	910	907	908	909	910	910	910	911	910	908
14	910	907	906	902	902	902	902	902	903	902	902	899	898	898	901	902	903	906	911	911	910	910	915	920	910	905
15	911	908	907	906	904	903	903	903	905	907	903	904	907	908	911	916	912	911	911	911	911	912	914	909	904	908
16	904	903	903	902	899	898	899	903	903	906	903	902	903	903	907	908	907	907	907	911	911	908	907	907	905	905
17	905	903	903	900	901	901	899	901	899	899	900	900	901	902	907	907	911	911	915	916	912	911	909	907	906	905
18	906	904	899	895	896	897	897	897	900	899	903	905	907	904	909	914	916	912	908	907	907	907	907	907	907	904
19	908	904	899	900	901	902	903	902	903	904	904	904	908	908	912	917	917	916	917	916	912	908	907	906	905	907
20	905	905	905	904	904	904	904	904	904	905	905	902	904	906	909	911	909	908	908	906	906	903	903	904	904	905
21Q	904	902	903	904	903	903	900	900	900	900	903	904	901	900	904	905	905	904	904	903	902	902	900	900	900	902
22Q	901	901	901	901	901	901	901	900	898	897	898	897	896	893	896	900	901	901	901	901	901	901	901	901	901	900
23Q	901	900	900	900	901	900	900	901	901	901	901	901	899	895	899	900	901	901	901	901	901	901	901	901	900	900
24D	901	902	902	901	899	898	897	894	897	897	897	897	893	893	898	902	898	900	905	912	917	918	915	910	898	902
25D	898	900	901	898	898	897	897	897	897	894	894	896	894	896	902	905	905	905	905	905	905	914	915	911	905	901
26	905	893	889	876	867	864	858	868	889	899	905	902	902	899	900	904	905	911	919	918	918	918	914	914	906	905	**897**
27	906	903	903	902	902	903	903	903	903	902	903	903	899	898	902	903	906	911	911	907	907	906	905	903	903	904
28	903	903	903	903	902	899	898	898	899	898	898	898	898	895	898	899	899	902	903	904	906	904	906	903	902	901
29	903	904	903	901	900	899	899	899	899	899	899	899	899	895	895	899	900	903	907	904	907	907	904	901	900	901
30	900	900	899	899	898	898	898	898	896	896	895	895	891	891	899	902	903	902	904	904	904	905	903	899	900	899
31	900	899	899	896	895	895	895	895	895	895	893	895	892	891	893	895	899	899	899	900	903	903	904	904	904	897
Mean†	905	903	901	**899**	900	900	901	901	902	902	902	902	901	901	905	908	908	908	910	**910**	910	909	909	909	906	905

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE :
MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

271. Eskdalemuir. **January, 1927.**

Day.	Terrestrial Magnetic Elements.																	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	North Component.					West Component.					Vertical Component.									
	Maximum 15000 γ +		Minimum 15000 γ +		Range.	Maximum 4000 γ +		Minimum 4000 γ +		Range.	Maximum 44000 γ +		Minimum 44000 γ +		Range.				
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ				*a.*
1	22 50	1099	1016	22 28	83	16 20	476	262	22 45	214	22 44	925	900	12 3	25	533		1	84·1
2	4 34	1057	1005	14 59	52	13 39	458	390	1 41	68	15 1	917	882	3 53	35	86		1	84·1
3	17 22	1048	1018	12 9	30	13 53	455	430	9 9	25	15 0	909	899	11 52	10	16		0	84·1
4	20 14	**1140**	971	21 19	169	13 21 and 23 10	471	312	20 30	159	23 21	939	892	20 18	47	561		2	84·1
5	16 47	1058	1009	13 9	49	14 3	472	417	22 20	55	0 2	932	897	9 45	35	67		1	83·9
6	0 53	1069	1008	14 41	61	13 58	458	395	0 42	63	0 40	919	893	10 48	26	84		1	83·9
7	22 12	1103	**857**	20 8	**246**	17 8	494	246	24 0	**248**	17 55	**1042**	**785**	21 3	**257**	1881		2	83·9
8	20 25	1025	916	0 1	109	13 26	449	**239**	0 5	210	14 30	922	840	0 2	82	627		2	83·9
9	24 0	1043	1003	12 27	40	13 16	450	424	10 9	26	16 39	915	901	11 46	14	25		0	84·0
10	20 23	1048	1009	13 56	39	13 9	455	427	1 3	28	16 20	910	900	12 1	10	24		1	83·9
11	0 14	1057	979	18 48	78	13 46	476	417	1 28	59	19 1	943	897	11 3	46	117		1	83·9
12	22 40	1061	988	15 13	73	1 58	483	399	22 32	84	19 50	923	880	2 19	43	142		1	83·9
13	20 50	1036	983	14 39	53	13 46	466	405	1 42	61	1 10 14 40	914	902	12 53	12	67		1	83·9
14	23 1	1062	998	18 2	64	13 59	453	364	22 42	89	22 50	924	898	12 30	26	127		1	83·9
15	9 19	1043	998	14 29	45	13 32	465	410	22 0	55	14 52	916	903	6 10 10 40	13	52		1	83·9
16	4 24	1047	1011	12 14	36	13 47	465	417	9 50	48	20 12	912	896	4 24	16	39		1	83·9
17	5 48	1047	996	13 9	51	14 2	464	411	22 50	53	19 5	916	899	8 50	17	57		1	83·8
18	4 10	1052	989	12 20	63	8 23	459	417	10 45	42	15 56	917	894	3 11	23	63		1	83·8
19	19 43	1048	983	12 29	65	11 13	463	403	19 39	60	18 12	918	899	1 56	19	82		1	83·8
20	6 25	1044	1009	12 30	35	13 40	455	423	10 38	32	14 30	912	900	11 24	12	24		0	83·7
21	7 3	1046	1013	11 37	33	13 52	451	429	10 57	**22**	15 12	908	899	7 30	9	17		0	83·7
22	7 30	1046	1017	12 22	29	13 57	458	431	9 22	27	17 50	901	893	13 58	**8**	16		0	83·7
23	5 31	1046	1016	12 30	30	13 43	461	430	8 23	31	10 5	902	894	12 55	**8**	19		0	83·7
24	23 44	1106	1002	13 51	104	23 44	496	424	23 41	72	21 19	918	893	12 54	25	166		1	83·7
25	0 49	1066	1007	13 48	59	13 28	463	408	21 0	55	22 3	916	893	12 23	23	70		1	83·7
26	22 36	1060	991	11 11	69	5 30	**497**	371	3 14	126	18 10	919	855	5 39	64	247		1	83·7
27	21 46	1038	1012	16 55	**26**	13 14	450	423	5 29	27	17 41	912	897	12 45	15	16		1	83·7
28	19 46	1056	1017	13 12	39	13 30	452	417	19 37	35	19 37	906	894	12 40	12	29		1	83·7
29	21 38	1049	1011	11 55	38	19 43	457	420	17 42	37	17 42	909	895	13 40	14	30		1	83·7
30	22 30	1055	1018	18 12	37	12 37	470	404	20 21	66	20 42	907	890	12 29	17	60		1	83·5
31	7 33	1053	1017	12 2	36	13 31	449	424	3 59	25	23 20	907	891	12 24	16	22		1	83·5
Mean	—	1058	996	—	63	—	464	393	—	71	—	920	889	—	32	173		0·90	83·8
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31		31	31

† Mean of 30 days : 7th omitted. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

§ For explanation see p. 161.

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

272. Eskdalemuir. (X.) 15,000γ (·15 C.G.S. unit) + **February, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1035	1035	1040	1041	1045	1045	1042	1045	1045	1045	1041	1036	1022	1007	1010	1020	1026	1029	1020	1006	1015	1025	1030	1032	1040	1031
2	1040	1035	1035	1035	1036	1037	1036	1036	1035	1032	1030	1025	1025	1021	1020	1019	1020	1021	1025	1023	1033	1040	1040	1037	1034	1031
3	1034	1036	1036	1040	1040	1040	1040	1036	1035	1035	1033	1041	1035	1031	1032	1032	1036	1045	1053	1045	1030	1017	1010	1025	1016	1035
4	1016	1020	1023	1034	1037	1038	1049	1040	1033	1025	1020	1019	1020	1025	1030	1028	1027	1030	1035	1040	1041	1035	1035	1031	1032	1031
5	1032	1031	1030	1031	1035	1040	1045	1042	1040	1031	1023	1018	1013	1014	1017	1020	1026	1030	1029	1031	1037	1036	1036	1036	1036	1030
6 Q	1036	1036	1036	1036	1036	1039	1040	1040	1039	1038	1029	1020	1017	1020	1021	1025	1025	1031	1040	1045	1045	1043	1044	1043	1045	1035
7 Q	1044	1040	1039	1039	1039	1038	1039	1039	1035	1034	1024	1016	1010	1011	1019	1029	1034	1039	1044	1046	1048	1049	1049	1049	1046	1036
8	1046	1045	1044	1044	1048	1048	1045	1044	1044	1038	1029	1020	1024	1030	1043	1039	1039	1043	1040	1040	1029	1029	1040	1036	1048	**1039**
9 D	1048	1046	1035	1032	1033	1044	1040	1040	1033	1027	1020	1011	1005	1010	1019	1024	1024	1052	1030	1034	1034	1010	998	1010	975	1026
10 D	975	995	1010	1010	1009	1010	1014	1016	1025	1029	1010	999	1004	996	994	999	1005	1015	1025	1031	1034	1034	1034	1032	1031	**1014**
11	1031	1030	1030	1031	1033	1034	1035	1035	1034	1034	1024	1017	1014	1011	1012	1019	1024	1016	1016	1026	1030	1032	1045	1020	1024	1026
12	1024	1024	1030	1030	1034	1030	1037	1045	1039	1034	1029	1022	1015	1015	1014	1015	1014	1024	1024	1014	1000	1010	1034	1029	1030	1025
13	1030	1033	1030	1035	1034	1038	1039	1040	1037	1034	1029	1010	981	993	1005	1015	1015	1024	1030	1024	1039	1044	1033	1036	1054	1027
14	1054	1034	1037	1028	1029	1028	1039	1038	1032	1034	1034	1011	1025	1021	1019	1019	1019	1020	1029	1034	1039	1039	1036	1035	1035	1030
15	1035	1044	1034	1041	1044	1042	1044	1034	1039	1039	1030	1025	1026	1024	1029	1029	1024	1029	1035	1041	1042	1044	1039	1044	1043	1036
16	1043	1052	1045	1039	1040	1043	1044	1045	1040	1028	1015	1020	1015	1010	992	1016	1024	1032	1032	1034	1029	1029	1053	1034	1035	1031
17	1035	1035	1039	1028	1039	1033	1035	1025	1029	1029	1024	1022	1023	1005	1005	1020	1029	1024	1029	1039	1049	1043	1040	1039	1049	1030
18	1049	1042	1038	1035	1039	1043	1042	1045	1044	1041	1029	1019	1017	1011	999	1013	1020	1029	1044	1034	1053	1040	1039	1043	1044	1034
19	1044	1040	1042	1036	1034	1044	1045	1048	1048	1036	1024	1023	1022	1015	1000	1015	1016	1024	1025	1035	1038	1059	1040	1043	1043	1033
20	1043	1044	1041	1044	1044	1036	1044	1044	1039	1039	1029	1022	1019	1023	1015	1024	1025	1030	1035	1038	1042	1034	1034	1039	1039	1034
21 Q	1039	1039	1040	1040	1044	1040	1040	1040	1035	1034	1020	1015	1015	1015	1019	1026	1033	1039	1040	1040	1039	1037	1039	1040	1040	1034
22 Q	1040	1047	1044	1044	1044	1044	1044	1044	1040	1034	1019	1014	1010	1011	1018	1029	1034	1039	1040	1044	1045	1047	1045	1045	1045	1036
23 Q	1045	1045	1045	1045	1048	1048	1049	1045	1040	1033	1019	1015	1014	1015	1019	1029	1036	1044	1045	1049	1049	1049	1050	1049	1050	1039
24 D	1050	1050	1053	1055	1051	1048	1054	1054	1045	1027	1039	1030	1015	991	1004	1011	1008	1029	1019	1030	1029	1025	1025	1015	1025	1031
25 D	1025	1024	1020	1020	1025	1020	1020	1026	1015	1006	1004	985	996	1015	1020	1029	1034	1027	1030	1034	1045	1020	1031	1039	1029	1021
26	1029	1019	1029	1034	1048	1037	1030	1025	1024	1020	1016	1006	1006	1011	1022	1029	1036	1019	1040	1035	1037	1035	1043	1029	1059	1028
27	1059	1034	1036	1030	1034	1041	1040	1025	1026	1020	1004	995	998	1000	1005	1020	1026	1034	1044	1042	1044	1040	1052	1041	1039	1028
28 D	1039	1036	1040	1039	1034	1030	1039	1039	1034	1034	1024	1015	1009	1005	1004	1021	1030	1030	1021	1029	1039	1024	1039	1039	1024	1029
Mean†	1037	1036	1036	1036	1038	1038	**1039**	1038	1036	1032	1024	1017	1014	**1013**	1014	1022	1025	1030	1033	1035	1037	1035	1037	1035	1036	1031

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

273. Eskdalemuir. (—Y.) 4,000γ (·04 C.G.S. unit) + **February, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	431	431	437	437	437	436	432	431	431	431	429	436	443	456	452	451	451	455	451	452	433	430	430	425	413	438
2	413	404	423	431	431	436	433	431	428	429	431	437	437	439	439	439	445	444	444	450	441	438	437	437	431	434
3	431	430	429	431	431	431	431	430	430	431	437	443	437	439	447	451	455	452	453	457	457	445	405	385	413	436
4	413	417	417	390	404	414	417	417	417	423	431	437	437	437	443	436	439	444	445	444	440	438	428	411	428	427
5	428	423	396	*	—	—	—	—	—	*	431	439	444	446	454	446	444	443	431	428	436	435	431	430	430	—
6 Q	430	431	431	431	435	437	432	431	426	423	425	430	431	437	439	444	441	443	443	443	437	434	433	431	432	434
7 Q	432	433	433	431	431	431	432	431	428	425	431	437	444	449	451	451	450	445	445	447	443	438	437	437	435	438
8	435	432	431	431	432	433	437	435	431	431	437	438	445	457	466	463	457	456	462	449	450	424	437	425	444	**442**
9 D	444	396	406	404	425	404	418	424	425	428	432	445	450	453	457	457	443	451	476	459	476	371	388	371	372	428
10 D	372	380	416	423	413	424	416	424	439	443	425	429	438	443	444	446	448	447	437	437	438	432	431	431	431	429
11	431	431	431	430	430	429	426	424	424	423	425	431	437	439	439	444	443	443	439	437	437	431	396	411	424	430
12	424	424	425	423	420	423	428	429	430	428	429	437	443	450	448	457	450	449	442	431	412	408	424	417	425	431
13	425	424	436	431	431	431	431	431	425	426	425	437	444	450	451	433	432	398	417	431	423	432	433	424	417	430
14	417	430	420	417	425	431	437	437	428	424	431	429	437	446	450	443	438	430	429	437	437	437	432	429	429	432
15	429	436	434	437	433	433	433	433	437	439	439	441	447	451	457	457	438	443	438	437	431	437	437	435	433	439
16	433	425	416	425	425	431	431	432	436	437	443	451	460	470	457	450	451	441	437	426	363	412	424	425	430	433
17	430	436	428	437	428	431	431	424	426	431	437	444	457	451	451	450	445	439	429	430	423	431	431	426	416	435
18	416	425	421	425	427	430	429	431	430	431	432	438	444	451	458	453	457	437	410	431	411	421	431	430	435	432
19	435	433	432	437	437	431	431	431	431	432	437	437	448	457	446	452	443	443	431	437	433	416	427	431	431	436
20	431	431	431	431	437	437	434	434	437	437	431	432	443	457	451	448	444	443	433	423	410	410	413	427	431	434
21 Q	431	431	431	431	430	432	431	430	425	427	429	434	444	450	451	448	444	443	437	437	431	431	431	431	435	435
22 Q	435	437	432	429	430	430	430	429	424	417	417	423	433	447	448	448	439	438	441	439	437	433	432	432	432	433
23 Q	432	432	431	431	431	431	426	426	424	419	423	430	437	451	451	450	446	445	446	444	443	438	437	437	437	436
24 D	437	437	431	433	417	412	423	429	425	453	455	451	464	478	496	483	474	484	446	417	417	424	399	352	414	439
25 D	414	418	429	439	437	408	411	429	426	425	431	437	431	440	445	445	445	443	444	444	398	422	424	433	411	430
26	411	400	405	412	411	406	421	423	423	421	431	433	444	455	458	445	449	419	411	437	437	417	425	421	417	**426**
27	417	417	419	418	417	418	418	424	425	424	427	431	438	453	450	451	439	436	423	434	431	436	424	419	424	429
28 D	424	425	428	423	431	419	423	417	417	412	417	423	434	451	450	463	462	464	464	451	404	431	417	371	391	429
Mean†	425	424	426	427	427	426	427	428	428	429	431	436	442	450	**452**	450	447	444	440	439	429	427	425	**419**	423	433

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.
† Mean of 27 days ; 5th omitted. * Burner sooted up.

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

274. Eskdalemuir. (Z.) 44,000γ (·44 C.G.S. unit) + **February, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	905	904	901	900	898	896	896	896	894	892	892	892	893	896	899	900	900	905	910	918	922	921	917	913	908	903
2	908	906	904	903	901	900	900	899	897	893	893	895	896	896	896	900	900	904	905	906	906	905	904	904	905	901
3	906	906	905	902	901	901	900	898	897	893	893	893	894	893	893	897	897	899	897	900	906	924	941	940	926	904
4	926	918	911	895	897	897	893	893	894	893	893	897	901	900	901	904	903	903	902	902	902	905	908	910	906	902
5	907	902	898	901	902	902	902	898	898	892	893	893	893	890	890	895	902	906	910	911	907	904	902	902	902	900
6 Q	902	902	902	902	902	902	902	901	900	898	894	892	892	894	894	896	898	901	902	902	902	902	902	901	899	899
7 Q	900	899	899	900	900	901	900	899	899	899	895	891	888	888	890	895	899	903	903	902	902	900	899	899	899	898
8	899	899	899	899	899	899	899	899	899	899	895	895	894	890	890	894	895	899	903	911	924	934	916	910	894	902
9 D	895	887	891	896	892	892	896	897	900	900	900	896	896	896	896	900	904	904	908	915	920	964	943	900	848	903
10 D	848	869	872	895	906	909	912	909	900	896	903	905	906	909	909	909	912	913	914	911	909	909	909	907	905	903
11	906	906	905	905	905	905	905	905	905	906	909	909	909	907	904	905	906	910	910	910	910	909	909	906	905	907
12	905	905	901	898	901	901	901	901	901	901	898	896	896	898	901	902	905	910	914	922	943	936	909	900	898	906
13	899	898	898	897	898	899	900	900	902	900	898	898	902	906	910	925	932	937	924	922	915	902	902	903	899	907
14	900	888	875	891	895	898	895	895	897	894	890	893	893	894	895	899	906	911	911	908	907	906	906	907	907	898
15	907	901	903	900	899	899	899	898	897	898	895	898	898	896	899	906	916	911	908	907	907	903	903	902	901	902
16	902	900	900	899	899	898	896	895	895	897	899	899	899	901	911	913	913	908	909	913	925	913	900	900	900	903
17	901	899	892	896	896	893	892	894	896	896	896	900	901	905	905	910	910	914	914	912	908	901	901	901	897	901
18	898	894	894	897	899	899	898	897	897	897	897	897	894	894	902	909	910	915	919	914	912	905	901	901	898	902
19	898	901	901	899	896	894	897	897	894	893	893	891	885	889	897	905	910	913	916	912	911	906	903	901	900	900
20	901	901	902	901	898	898	896	896	897	895	894	890	891	894	898	900	903	903	903	905	907	904	903	899	898	899
21 Q	898	898	899	899	898	898	896	895	898	898	895	894	894	894	895	898	898	898	899	900	902	902	900	899	898	898
22 Q	899	896	896	895	896	897	899	899	903	904	903	899	895	894	898	900	901	899	899	899	899	899	896	896	895	898
23 Q	895	895	895	895	895	895	895	895	895	893	891	890	890	891	892	892	893	894	895	895	895	895	895	895	895	**894**
24 D	895	892	892	891	891	891	891	888	891	886	881	883	883	887	896	905	920	930	944	943	940	938	934	929	908	905
25 D	909	904	897	878	853	867	879	881	885	892	892	894	897	895	893	895	900	901	903	905	913	914	914	908	900	894
26	900	909	906	902	890	884	892	897	900	901	896	893	893	893	896	905	910	919	922	909	908	912	908	904	883	902
27	884	884	889	892	895	897	897	901	901	901	902	902	902	902	905	906	909	907	909	906	906	905	901	898	901	900
28 D	901	901	898	901	898	898	898	900	901	901	898	894	893	894	900	906	915	923	927	936	949	934	931	923	910	**909**
Mean†	900	899	897	897	896	897	897	897	898	897	896	895	**895**	896	899	903	906	909	910	911	**913**	913	909	906	899	901

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

275. Eskdalemuir. **February, 1927.**

Day.	Terrestrial Magnetic Elements. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figures $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			*a.*
1	23 31	1049	1005	19 10	44	13 19	464	417	24 0	47	19 38	923	891	9 45	32	52	1	83·5
2	0 35	1044	1016	15 9	**28**	19 1	451	390	0 35	61	0 5 } 19 48 }	908	892	10 10	16	48	1	83·5
3	18 20	1064	1006	22 13	58	19 30	462	365	23 10	97	22 20	946	891	13 27	55	158	1	83·5
4	6 10	1051	1013	1 52	38	17 58 } 18 8 }	450	381	3 13	69	0 1	926	892	{ 6 23 } 9 42	34	74	1	83·5
5	6 22	1045	1011	12 10	34	14 26	458	384	1 52	74	19 10	911	889	13 40	22	71	1	83·5
6	23 48	1049	1016	12 18	33	15 3	447	423	9 11	**24**	1 0	903	890	11 22	13	18	0	83·5
7	22 23	1052	1009	12 20	43	15 6	453	425	9 10	28	17 0	903	887	12 28	16	29	0	83·5
8	23 57	1058	1010	20 20	48	14 15	482	417	20 38	65	20 38	939	890	14 1	49	89	1	83·5
9	17 20	1073	951	20 30	**122**	20 16	**509**	343	22 43	166	20 58	**971**	**827**	24 0	**144**	632	2	83·4
10	8 18	1042	**944**	0 12	98	9 1	463	364	0 18	99	17 31	917	826	0 2	91	277	1	83·4
11	22 8	1060	1010	18 4	50	17 48	450	385	22 28	65	19 0	910	902	14 30	8	68	1	83·3
12	6 38	1049	985	19 40	64	14 49	465	351	21 20	114	20 10	952	895	11 20	57	203	1	83·3
13	23 53	1064	974	11 46	90	13 59	464	366	17 8	98	17 9	941	896	2 43	45	197	2	83·1
14	0 28	1054	1009	11 5	45	13 30	457	405	0 50	52	17 30	912	871	1 47	41	64	1	83·1
15	0 44	1061	1015	16 8	46	14 22	469	424	1 10	45	15 48	920	894	9 45	26	48	1	83·1
16	21 48	1073	971	13 54	102	13 39	490	344	20 5	146	20 7	929	895	7 40	34	329	1	83·1
17	20 21	1078	990	13 19	88	12 11	464	411	{ 7 4 } 24 0	53	16 53	914	891	6 28	23	111	1	83·1
18	20 4	1063	990	13 30	73	13 49	470	384	19 48	86	17 52	923	893	11 30	30	136	1	83·1
19	20 54	1068	985	14 20	83	12 57	464	406	20 43	58	18 7	918	885	12 1	33	113	1	83·1
20	7 12 } 20 26 }	1049	1010	13 43	39	13 5	463	398	20 8	65	19 30	908	890	11 21	18	61	1	83·0
21	6 55	1048	1010	12 12	38	13 32	455	424	8 50	31	20 30	903	892	12 20	11	25	0	83·0
22	1 14	1054	1009	12 10	45	13 18	454	415	9 51	39	8 56	905	893	12 30	12	37	0	83·0
23	22 40	1051	1010	11 50	41	13 18	457	418	8 46	39	8 0	896	890	12 21	**6**	32	0	82·9
24	3 11	1060	985	13 20	75	14 4	504	**319**	22 44	**185**	18 28	947	878	9 40	69	446	2	82·9
25	20 11	1059	965	11 41	94	3 27	476	391	{ 20 16 } 20 28	85	21 17	917	849	3 50	68	207	1	82·9
26	23 39	**1102**	985	17 11	117	13 46	463	377	17 28	86	17 33	927	882	24 0	45	231	1	82·9
27	5 18 } 22 10 }	1055	990	10 39	65	12 42	457	398	0 27	59	18 0	910	882	0 8	28	85	1	82·9
28	22 31	1070	991	13 50	79	17 10	470	348	23 25	122	19 40	957	893	12 40	64	252	2	82·9
Mean	—	1059	995	—	64	—	465	388	—	77	—	923	884	—	39	146	0·96	83·2
No. of Days used.	—	28	28	—	28	—	28	28	—	28	—	28	28	—	28	28	28	28

† Mean of 27 days : 5th omitted. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

§ For explanation *see* page 161.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

276. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **March, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1024	1054	1030	1038	1034	1029	1048	1039	1025	1020	1015	1009	1005	1005	1005	1007	1020	1020	1029	1034	1049	1074	1049	1034	1035	1029
2Q	1035	1034	1035	1039	1037	1036	1038	1039	1038	1039	1025	1019	1016	1014	1010	1018	1020	1030	1039	1039	1040	1039	1043	1043	1043	1032
3	1043	1043	1042	1040	1044	1044	1039	1042	1044	1034	1030	1028	1027	1024	1025	1025	1029	1038	1035	1032	1064	1038	1042	1039	1039	1037
4	1040	1040	1038	1041	1042	1045	1045	1041	1039	1035	1021	1012	1006	1010	1014	1021	1030	1037	1042	1042	1040	1043	1041	1045	1045	1034
5	1045	1045	1045	1045	1045	1045	1049	1046	1045	1035	1025	1016	1016	1020	1026	1037	1041	1050	1049	1050	1053	1034	1036	1030	1049	1039
6	1049	1043	1040	1040	1040	1041	1045	1040	1040	1032	1025	1020	1016	1018	1016	1029	1035	1035	1040	1035	1035	1040	1040	1055	1035	1035
7	1035	1051	1041	1040	1035	1045	1045	1044	1038	1032	1020	1012	1011	1012	1025	1036	1040	1045	1045	1052	1041	1025	1027	1041	1039	1035
8	1039	1045	1046	1040	1040	1044	1045	1046	1041	1036	1023	1019	1011	1011	1025	1037	1045	1050	1055	1050	1046	1045	1032	1045	1040	1038
9D	1040	1034	1039	1065	1046	1033	1031	1045	1032	1045	1030	1015	1006	1016	1034	1036	1039	1021	1020	1025	1030	1026	1045	1021	1040	1032
10	1040	1035	1034	1041	1020	1024	1030	1024	1026	1011	976	967	978	996	1021	1022	1030	1023	1035	1037	1039	1040	1041	1040	1045	1022
11	1045	1040	1032	1036	1035	1041	1044	1038	1036	1031	1015	981	982	996	1005	1025	1035	1040	1036	1035	1035	1037	1060	1054	1040	1030
12	1040	1036	1035	1040	1042	1049	1034	1039	1045	1032	1020	998	992	1005	1017	1027	1037	1031	1045	1045	1045	1046	1046	1046	1047	1033
13	1047	1045	1067	1048	1051	1056	1054	1049	1026	1001	987	984	1001	1012	1015	1016	1026	1030	1039	1041	1044	1041	1041	1040	1046	1032
14	1046	1040	1048	1051	1040	1039	1039	1041	1033	1030	1026	1020	1015	1008	1024	1026	1011	1033	1035	1045	1049	1048	1050	1051	1054	1035
15	1054	1068	1045	1036	1030	1045	1040	1046	1040	1021	1011	1009	1013	1012	1011	1013	1025	1045	1030	1046	1042	1061	1050	1027	1031	1034
16D	1031	1035	1030	1012	1024	1007	992	1015	1016	1001	992	986	1002	995	1019	1030	1055	1047	1089	1011	1016	1016	1000	992	1014	**1017**
17D	1014	1020	1019	1025	1025	1030	1032	1013	1001	1000	991	994	994	1001	1016	1029	1040	1041	1061	1075	1019	996	1001	1020	986	1018
18	986	1015	1024	1028	1026	1027	1031	1030	1018	1010	1006	991	991	1002	1007	1025	1025	1034	1031	1042	1031	1042	1035	1036	1041	1022
19	1041	1030	1030	1030	1025	1033	1040	1032	1030	1021	1008	1006	1002	991	1007	1020	1035	1053	1045	1036	1041	1050	1051	1063	1046	1030
20	1046	1045	1043	1045	1043	1045	1032	1029	1025	1016	980	963	976	1003	1017	1011	1031	1022	1025	1047	1052	1031	1045	1050	1049	1026
21	1049	1028	1034	1037	1040	1038	1040	1041	1040	1034	1020	1011	1003	1006	1016	1025	1030	1031	1038	1041	1042	1046	1045	1045	1045	1032
22Q	1045	1045	1040	1040	1045	1045	1045	1045	1046	1041	1026	1015	1001	1003	1011	1023	1030	1035	1035	1044	1048	1053	1051	1049	1049	1036
23Q	1049	1046	1045	1047	1050	1051	1053	1050	1046	1038	1020	1007	992	997	1001	1011	1027	1041	1046	1050	1050	1049	1045	1047	1048	1036
24Q	1048	1046	1045	1045	1045	1045	1048	1048	1041	1030	1019	1008	1005	1008	1016	1023	1031	1037	1044	1045	1046	1050	1051	1052	1051	1037
25Q	1051	1049	1048	1049	1050	1050	1052	1054	1049	1039	1025	1019	1018	1018	1026	1026	1040	1053	1055	1058	1059	1057	1056	1055	1055	**1044**
26	1055	1055	1037	1048	1045	1045	1047	1046	1032	1012	1013	1017	1015	991	1006	1021	1037	1040	1035	1020	1030	1031	1025	1040	1036	1031
27 D	1036	1015	1036	1025	1025	1025	1030	1033	1021	1014	1006	997	986	990	1016	1031	1033	1020	1035	1079	1060	1026	1031	1040	992	1025
28 D	992	1012	1001	1035	1030	1030	1005	1007	1020	990	972	972	993	996	1020	1040	1032	1028	1035	1053	1039	1036	1035	1031	1046	1018
29	1046	1040	1041	1038	1035	1036	1042	1029	1020	1015	1006	1011	1015	1016	1022	1030	1045	1040	1035	1043	1060	1045	1044	1039	1049	1033
30	1049	1055	1045	1049	1050	1051	1049	1040	1031	1021	1015	1012	1016	1010	1017	1035	1045	1049	1050	1050	1046	1038	1038	1041	1055	1038
31	1055	1049	1041	1043	1041	1046	1055	1054	1044	1028	1012	1005	1002	1002	1013	1021	1033	1040	1045	1046	1059	1054	1058	1069	1055	1038
Mean	1039	1040	1038	1040	1038	1039	1039	1038	1033	1024	1012	1004	**1003**	1006	1016	1025	1033	1037	1041	1043	**1044**	1041	1040	1041	1040	1032

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

277. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **March, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	391	421	404	411	384	413	412	412	412	412	431	447	449	468	459	404	464	437	430	431	398	415	421	425	429	426
2Q	429	429	430	426	425	424	428	425	424	423	425	428	439	458	457	444	443	437	437	430	430	431	431	431	431	433
3	431	430	431	427	423	419	417	419	419	417	429	441	452	459	453	451	444	437	438	435	411	424	417	418	423	431
4	423	431	432	431	425	425	424	424	417	412	417	429	439	449	450	450	446	443	441	444	443	436	431	397	417	431
5	417	418	423	421	419	423	421	423	423	417	417	428	451	454	464	458	457	452	457	457	415	396	380	406	406	429
6	406	418	424	424	423	423	417	423	418	418	417	425	443	461	457	460	457	447	449	451	438	431	425	438	406	433
7	406	406	417	423	430	431	431	428	419	417	414	425	449	453	457	457	445	443	418	423	436	400	405	418	419	427
8	419	418	419	424	430	422	423	423	423	423	423	431	446	455	460	458	451	445	445	443	445	439	411	417	360	432
9 D	360	378	398	398	392	431	437	443	433	423	429	444	451	469	457	476	472	390	424	429	437	417	398	398	398	425
10	398	399	413	412	437	445	408	417	418	423	423	435	454	451	452	453	445	431	431	433	432	431	431	424	421	429
11	421	421	443	421	412	413	411	418	419	419	416	424	445	459	463	457	449	433	433	431	426	413	410	419	419	428
12	419	431	432	430	423	423	437	439	426	415	424	433	441	451	457	457	451	437	437	437	437	432	429	425	430	435
13	430	430	433	411	432	405	423	419	423	408	412	431	438	451	451	450	437	431	431	431	431	431	430	425	425	429
14	425	404	405	392	394	415	430	417	416	412	419	425	443	445	457	464	449	444	433	437	437	435	435	433	431	428
15	431	431	397	419	439	431	423	423	417	416	433	438	460	470	463	452	435	431	416	404	423	393	385	384	404	425
16 D	404	425	431	444	426	484	411	406	417	436	419	443	458	472	481	463	457	423	378	411	409	378	384	374	400	426
17 D	400	400	424	419	414	414	412	411	413	410	410	425	444	457	458	464	458	447	437	377	386	358	383	365	375	**416**
18	375	391	406	412	416	417	415	411	404	404	411	430	441	454	459	451	437	423	417	406	411	425	423	431	444	421
19	444	436	419	417	418	426	419	416	404	402	404	420	441	446	458	459	458	410	425	431	434	428	424	424	424	427
20	424	424	431	429	425	417	421	430	412	402	410	427	451	472	487	469	445	439	432	398	408	414	437	424	404	430
21	404	417	421	424	420	422	423	420	414	412	417	424	433	447	453	451	439	431	430	425	426	423	424	425	425	426
22 Q	425	425	425	424	424	424	424	420	411	407	411	424	443	463	464	461	447	437	429	431	431	423	424	429	429	430
23 Q	429	428	429	434	431	425	423	417	406	398	406	425	443	460	461	457	447	443	438	435	434	431	430	430	430	432
24 Q	430	430	429	426	427	424	423	417	411	404	411	424	440	451	457	453	445	438	434	433	431	431	432	430	427	430
25 Q	427	427	428	427	425	424	423	417	410	405	411	424	444	462	470	461	455	451	448	445	439	439	437	435	427	**435**
26	427	411	413	431	415	417	415	407	423	439	442	439	462	479	477	479	477	457	457	437	411	412	392	398	384	433
27 D	384	372	364	384	408	410	405	404	404	404	419	434	449	457	473	470	464	465	452	404	398	425	418	417	384	420
28 D	384	417	425	417	378	437	417	437	421	424	435	447	475	462	455	465	444	437	436	426	431	437	437	437	430	433
29	430	399	412	423	413	417	417	415	412	417	424	436	453	459	455	445	444	437	437	440	425	425	431	426	438	429
30	438	410	399	400	406	406	410	399	394	398	416	431	457	456	451	446	441	435	437	437	412	410	416	424	430	422
31	430	423	411	413	418	425	411	404	397	398	410	425	455	468	471	462	457	445	437	425	414	429	423	427	430	428
Mean	415	416	418	419	418	424	420	419	415	**413**	419	431	448	459	**461**	458	450	437	434	428	424	420	418	418	416	428

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

278. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **March, 1927.**

Mean. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	910	858	874	876	876	880	875	876	884	888	886	884	888	897	916	914	918	932	924	919	919	901	895	900	901	895
2 Q	902	904	903	903	902	902	902	899	899	899	898	898	899	899	908	919	915	911	907	907	906	906	905	905	904	904
3	904	903	903	902	902	902	902	898	897	898	895	894	894	897	898	902	908	911	911	911	912	906	907	907	903	903
4	903	902	902	902	903	902	902	902	902	903	902	895	890	890	895	899	902	904	904	903	906	908	907	910	905	902
5	906	904	904	903	903	903	901	900	900	897	895	890	885	886	889	891	898	900	901	903	918	918	916	912	906	901
6	906	903	903	904	905	904	903	903	901	900	900	899	896	895	899	904	912	917	917	921	925	921	913	903	886	906
7	886	882	890	895	898	899	899	900	902	899	895	894	891	894	895	900	904	908	912	911	912	921	918	909	909	901
8	910	908	904	901	900	901	901	900	900	898	896	896	894	895	896	901	905	905	904	904	905	909	922	916	909	903
9 D	909	896	896	882	878	862	839	840	860	869	873	874	884	898	908	909	930	985	962	940	926	926	918	887	827	896
10	827	861	863	858	823	823	861	886	896	896	901	901	904	922	917	917	918	918	913	910	909	908	908	908	901	**891**
11	902	902	896	880	893	897	897	901	901	901	897	896	900	903	905	910	914	915	914	914	917	921	905	888	893	903
12	893	897	898	899	901	901	901	896	900	905	901	897	897	897	901	902	905	912	910	910	909	908	909	906	905	903
13	906	905	890	885	881	880	881	888	894	897	898	894	894	898	902	906	911	911	908	907	907	907	907	907	906	899
14	906	906	902	893	885	887	888	897	903	903	902	898	894	896	898	916	924	920	919	911	909	908	907	906	899	903
15	899	878	876	884	884	881	886	893	897	898	894	885	881	884	893	902	911	919	922	923	916	909	897	889	890	896
16 D	890	897	898	881	867	837	850	859	859	863	873	882	896	914	939	960	983	1005	994	959	946	953	927	900	869	909
17 D	870	864	848	846	869	892	899	907	908	907	904	903	905	905	913	918	929	955	991	988	942	945	922	929	815	910
18	815	847	902	912	916	916	916	917	918	916	911	906	912	920	922	931	930	929	933	927	922	911	899	907	895	911
19	895	883	899	907	907	902	902	910	914	914	913	903	895	895	897	900	916	934	933	922	916	914	907	901	903	908
20	903	905	905	904	904	903	902	898	899	903	903	899	896	904	922	948	948	933	928	929	918	915	903	882	886	910
21	887	896	904	908	908	908	908	907	907	905	904	898	891	892	896	900	906	908	910	912	911	910	909	908	907	904
22 Q	907	905	906	908	908	908	905	905	906	904	900	892	888	888	895	904	912	917	917	913	912	911	908	905	905	905
23 Q	905	906	907	904	904	904	904	905	905	901	896	891	887	889	895	900	904	905	904	905	905	905	906	905	905	902
24 Q	905	905	905	906	907	907	907	908	908	906	899	891	884	888	891	896	900	903	904	905	905	904	904	904	904	902
25 Q	904	904	904	904	904	904	904	904	904	899	890	879	869	870	877	886	893	897	899	899	900	901	902	903	904	896
26	904	901	900	888	890	897	900	901	900	894	892	891	890	897	908	925	954	976	981	977	960	928	895	901	886	**914**
27 D	887	875	866	882	898	909	913	913	910	905	893	892	892	897	909	948	961	952	940	949	905	910	915	888	836	908
28 D	836	855	824	804	819	833	849	867	887	895	894	900	903	914	922	931	939	939	939	936	931	926	922	918	915	893
29	915	913	910	910	912	909	906	909	909	906	902	901	899	901	909	913	913	914	913	910	913	909	909	910	905	909
30	905	897	897	900	901	903	905	910	913	909	902	901	902	909	909	911	915	922	922	922	927	922	918	914	905	910
31	905	901	907	909	905	899	901	903	905	905	904	900	893	897	902	906	909	913	914	918	921	914	914	901	897	906
Mean	894	892	893	**892**	892	892	894	897	900	899	897	894	893	898	904	912	919	**925**	924	921	917	915	909	904	893	903

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

279. Eskdalemuir. **March, 1927.**

Day.	Terrestrial Magnetic Elements. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure. $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			*a.*
1	0 33	1118	983	13 41	135	12 50	477	370	3 55 / 20 14	107	17 11	940	852	0 50	88	374	2	82·9
2	21 54	1046	1005	14 39	**41**	13 3	464	421	8 59	**43**	15 10	920	898	12 30	22	40	1	82·9
3	20 13	1087	1015	11 18	72	12 41	472	390	19 46	82	19 48	920	893	11 10	27	126	1	83·0
4	22 42	1050	1006	12 23	44	14 33	451	390	22 40	61	23 0	911	889	12 30	22	61	1	83·0
5	20 25	1070	1011	12 37	59	13 45	476	370	21 58	106	20 4	921	882	12 20	39	162	1	83·0
6	22 58	1069	1011	14 2	58	14 28	470	397	24 0	73	20 16	929	886	23 40	43	105	1	83·0
7	0 52	1059	1006	12 43	53	14 19	459	392	0 15	67	21 19	923	881	0 55	42	91	1	83·0
8	23 18	1060	1006	12 20	54	14 49	466	363	24 0	103	22 17	923	892	12 15	31	145	1	83·0
9	23 41	1094	990	11 47	104	14 42	497	343	0 19	154	17 11	986	810	23 50	176	655	2	83·0
10	23 37	1074	929	12 36	145	12 20	473	382	0 3	91	13 8	925	817	4 11	108	410	2	83·0
11	22 20	1089	967	11 9	122	13 17	468	392	21 32	76	21 12	922	873	2 39	49	231	1	83·0
12	22 39	1059	986	11 48	73	14 19	463	412	8 30	51	17 21	913	893	0 1	20	83	1	83·0
13	1 50	1084	972	10 32	112	14 41	464	396	9 30	68	16 10	911	877	4 45	34	183	1	83·0
14	2 44	1065	1005	14 43	60	14 18	479	384	3 10	95	15 44	927	885	4 10	42	144	1	83·0
15	21 26	1089	1000	10 41	89	13 34	480	364	21 19	116	18 40	924	872	1 18	52	241	1	83·0
16	17 37	1123	944	5 37	179	5 6	**516**	331	18 12	**185**	17 34	1032	825	5 20	207	1091	2	83·0
17	19 3	1128	**913**	21 48	**215**	13 11	476	**298**	18 51	178	18 48	**1050**	800	24 0	**250**	1404	2	83·0
18	21 0	1060	947	0 7	113	12 52	470	351	0 18	119	17 54	934	**753**	0 9	181	597	2	83·0
19	22 46	1079	957	12 56 / 13 2	122	15 40	470	397	8 54	73	17 13	937	877	0 42	60	238	1	83·0
20	23 32	1074	956	11 40	118	14 40	502	384	19 10	118	15 2	954	877	23 10	77	338	2	83·0
21	21 12	1059	999	11 54	60	14 25	457	392	0 15	65	19 30	913	887	0 1	26	85	0	83·0
22	21 28	1075	996	12 18	79	13 58	468	404	8 32 / 8 59	64	17 40	920	887	12 30	33	114	0	82·9
23	5 35	1055	982	12 27	73	13 0	466	397	9 20	69	1 40	908	887	11 50	21	105	0	82·9
24	23 19	1061	1001	11 36	60	14 25	457	404	8 39	53	8 30	908	883	12 10	25	70	0	82·9
25	17 50	1066	1012	12 14	54	13 58	477	404	8 48	73	7 12	905	866	12 32	39	98	0	82·9
26	16 28	1072	981	22 6	91	14 39	492	376	21 48	116	18 11	985	883	3 22	102	321	2	82·9
27	19 20	**1149**	972	12 50	177	14 41	498	344	19 19	154	15 31	973	819	23 58	154	788	2	82·9
28	19 0	1067	947	0 9	120	12 22	497	352	3 43	145	16 32	942	798	3 32	144	562	2	82·9
29	20 15	1079	1000	10 10	79	13 1	464	385	1 14	79	19 58	915	897	12 12	**18**	128	1	82·9
30	18 19	1077	1002	12 42	75	13 9	470	391	8 22 / 20 10	79	20 8	930	896	1 30	34	130	1	82·9
31	22 32	1089	1000	11 54	89	14 0	477	392	8 55	85	19 30	922	892	12 10	30	160	1	83·0
Mean	—	1078	984	—	94	—	475	380	—	95	—	936	865	—	71	299	1·16	83·0
No. of Days used.	—	31	31	—	31	—	31	31	—	31	— —	31	31	—	31	31	31	31

§ For explanation *see* page 161. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

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

280. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **April, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1055	1045	1045	1045	1035	1047	1027	1040	1023	1011	1000	987	985	993	1003	1020	1022	1036	1046	1051	1054	1051	1050	1045	1034	1029
2	1034	1046	1041	1041	1045	1045	1043	1045	1031	1015	995	982	982	995	1010	1030	1036	1045	1053	1053	1055	1055	1056	1049	1053	1033
3	1053	1044	1040	1045	1041	1048	1045	1045	1034	1016	1006	996	995	1000	1020	1035	1043	1045	1050	1053	1053	1054	1055	1051	1054	1036
4	1054	1050	1049	1050	1050	1054	1054	1049	1041	1030	1011	1002	1002	1002	1018	1031	1036	1061	1065	1060	1074	1045	1046	1050	1046	1041
5	1046	1045	1049	1041	1046	1046	1050	1045	1041	1030	1011	996	987	1001	1020	1021	1030	1052	1045	1060	1056	1056	1051	1054	1055	1037
6	1055	1049	1041	1043	1049	1045	1049	1051	1053	1031	1016	1000	995	996	1012	1025	1040	1050	1050	1053	1050	1050	1049	1050	1049	1037
7	1049	1050	1050	1046	1050	1050	1050	1054	1046	1031	1016	1003	1002	1007	1007	1036	1045	1049	1045	1036	1039	1070	1030	1040	1047	1037
8	1047	1030	1040	1047	1035	1028	1040	1041	1022	1001	987	978	973	981	986	978	1000	1009	1034	1045	1045	1045	1045	1052	1054	1021
9D	1054	1056	1053	1050	1046	1045	1049	1053	1041	1026	1001	981	971	985	1012	1056	1083	1060	1016	1021	1020	1023	1025	1032	1034	1031
10	1034	1037	1025	1027	1030	1022	1030	1035	1033	1017	970	971	975	991	1011	1017	1020	1032	1044	1051	1052	1054	1055	1055	1053	1025
11D	1054	1050	1047	1046	1027	1055	1067	1057	1036	1026	997	981	992	992	1002	1046	1053	1120	1037	1035	1031	1041	1037	1022	1051	1035
12D	1051	1034	1050	1029	1032	1044	1042	1031	1037	1021	999	996	1004	1007	1026	1016	1043	1048	1053	1056	1061	1056	1058	1047	1044	1035
13	1044	1043	1043	1043	1041	1046	1047	1046	1046	1030	1012	998	993	994	1010	1028	1041	1049	1051	1060	1057	1057	1052	1050	1079	1037
14D	1079	1066	1074	1074	1089	1085	1081	1081	1075	1004	948	907	958	973	1017	993	1041	1047	1007	997	1026	1010	1013	1012	1011	1026
15	1011	993	1011	1013	1006	1012	1014	991	997	976	973	966	988	979	992	1021	1030	1034	1039	1037	1038	1039	1038	1039	1035	**1010**
16	1035	1031	1032	1031	1031	1034	1037	1031	1021	1006	992	990	980	1001	1008	1017	1024	1032	1042	1046	1047	1046	1040	1037	1036	1025
17 Q	1036	1036	1037	1037	1038	1041	1041	1039	1031	1013	992	977	982	992	1016	1022	1036	1050	1056	1056	1052	1050	1047	1046	1046	1030
18 Q	1046	1046	1046	1046	1046	1050	1055	1051	1036	1019	997	988	989	1007	1007	1030	1037	1045	1054	1055	1056	1051	1050	1047	1050	1036
19	1050	1047	1050	1046	1044	1047	1052	1052	1041	1011	1002	1003	1002	1003	1011	1026	1037	1049	1056	1060	1056	1056	1061	1055	1046	1038
20 Q	1046	1046	1046	1046	1046	1052	1055	1056	1050	1033	1012	1002	998	1001	1015	1032	1041	1055	1055	1058	1060	1058	1057	1056	1054	1041
21 Q	1054	1055	1052	1056	1057	1056	1058	1057	1052	1041	1026	1013	1006	1008	1018	1031	1041	1050	1055	1056	1055	1055	1052	1051	1051	1044
22 Q	1051	1051	1051	1051	1052	1055	1056	1056	1051	1038	1017	1007	1006	1012	1026	1037	1045	1051	1056	1060	1060	1060	1060	1060	1060	1045
23	1060	1060	1057	1058	1058	1060	1063	1061	1057	1046	1022	1016	1017	1021	1036	1088	1055	1033	1062	1066	1059	1051	1072	1056	1053	**1051**
24 D	1053	1041	1047	1051	1051	1040	1012	1036	1026	1017	1012	988	987	1002	1002	1021	1036	1045	1051	1055	1056	1071	1052	1051	1036	1033
25	1036	1046	1016	1036	1041	1033	1030	1026	1027	1017	1002	1002	1006	992	1007	1036	1033	1046	1051	1052	1053	1051	1049	1046	1045	1031
26	1045	1040	1039	1041	1038	1046	1041	1036	1026	1013	999	1001	1008	1021	1030	1037	1041	1051	1059	1065	1048	1046	1045	1049	1051	1036
27	1051	1050	1046	1046	1046	1046	1046	1036	1037	1029	1016	1007	1007	1018	1030	1041	1057	1056	1060	1057	1055	1055	1056	1056	1056	1042
28	1056	1053	1052	1049	1054	1054	1052	1047	1038	1027	1016	1008	1008	1016	1029	1040	1050	1058	1061	1061	1061	1061	1061	1061	1061	1045
29	1061	1059	1060	1059	1058	1057	1057	1053	1046	1034	1021	1015	1014	1026	1036	1046	1046	1066	1060	1066	1067	1070	1067	1070	1070	**1051**
30	1070	1068	1052	1056	1051	1056	1054	1042	1026	1012	1012	1008	1016	1024	1036	1048	1060	1061	1059	1065	1056	1072	1056	1054	1052	1046
Mean	1049	1046	1045	1045	1044	1047	1047	1045	1037	1021	1003	**992**	994	1001	1015	1030	1040	1049	1049	1052	1052	**1052**	1049	1048	1049	1035

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

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

281. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **April, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	430	423	420	420	438	418	424	418	399	399	406	424	444	460	461	458	444	432	424	424	430	425	415	406	412	426
2	412	438	418	416	418	412	417	409	391	387	398	418	439	452	455	451	445	439	438	437	438	438	435	412	381	425
3	381	400	416	418	418	418	413	405	398	397	404	418	438	450	456	456	447	438	431	431	431	428	423	414	444	423
4	444	425	424	424	422	422	418	410	404	389	399	412	445	464	472	464	451	445	434	412	375	411	415	419	420	425
5	420	425	410	432	405	406	405	399	398	391	405	420	443	457	454	454	444	444	432	424	430	417	418	406	405	422
6	405	405	410	419	418	412	411	411	399	400	412	424	449	457	464	455	450	444	437	438	432	425	430	428	430	427
7	430	430	425	424	420	418	417	407	398	398	405	414	438	465	480	484	481	471	458	436	425	399	414	410	391	**430**
8	391	391	391	391	396	399	410	407	410	404	409	438	458	477	464	451	457	437	429	425	424	424	424	426	426	423
9 D	426	424	421	418	415	410	405	397	386	384	392	412	433	464	483	496	471	451	418	404	411	423	429	430	430	425
10	430	426	430	419	419	418	416	404	394	403	414	440	450	447	450	440	432	426	424	430	433	432	430	429	426	426
11 D	426	424	424	424	420	411	392	393	390	389	397	405	426	439	445	464	462	460	418	430	424	407	414	418	403	420
12 D	403	416	424	418	410	412	407	399	385	393	399	409	430	446	460	439	443	437	432	424	410	418	419	430	430	420
13	430	430	425	424	424	418	412	405	391	385	392	405	425	443	456	450	444	439	433	432	431	431	430	428	450	425
14 D	450	425	425	426	433	437	428	405	378	383	372	365	373	392	418	446	462	433	412	406	405	419	415	418	419	**413**
15	419	431	413	418	425	417	399	392	389	390	399	418	440	445	455	451	431	425	424	424	424	424	425	424	424	421
16	424	430	431	430	424	417	406	391	385	385	393	413	430	445	444	438	430	424	418	418	418	418	424	425	426	419
17 Q	426	426	424	420	418	418	410	398	384	377	385	402	431	452	458	443	436	430	426	425	424	425	425	424	424	420
18 Q	424	424	424	422	418	416	406	391	383	379	392	413	439	466	453	451	439	432	431	428	426	425	429	426	424	422
19	424	424	424	419	418	417	411	397	385	384	404	416	437	451	458	451	440	436	432	432	431	430	428	410	407	423
20 Q	407	418	420	424	425	423	417	404	391	384	385	405	430	450	457	456	446	439	438	438	437	436	432	430	426	425
21 Q	426	425	424	430	431	426	417	399	389	385	385	401	423	442	448	445	439	432	430	430	429	431	428	426	425	423
22 Q	425	424	421	420	421	418	413	405	393	391	397	411	432	453	464	458	446	440	438	436	432	432	431	430	430	426
23	430	428	425	424	424	418	410	401	392	391	399	413	437	450	458	477	452	431	438	437	426	426	420	395	394	424
24 D	394	405	392	404	387	438	445	438	404	405	405	416	442	464	464	476	466	453	434	432	419	411	385	393	391	424
25	391	391	425	418	407	403	408	404	397	391	400	412	436	438	450	456	443	438	432	427	417	430	418	424	424	420
26	424	418	423	418	412	418	417	399	391	398	406	418	432	445	446	443	437	438	424	424	424	430	425	424	420	422
27	420	423	424	416	406	405	399	397	392	397	405	418	433	443	450	443	444	438	436	430	429	428	424	424	424	422
28	424	423	420	424	417	410	401	391	385	387	399	418	438	450	450	445	444	438	438	432	431	431	430	428	424	423
29	424	424	424	418	416	408	400	392	389	391	405	417	436	454	464	464	454	457	444	442	439	432	432	432	428	427
30	428	401	409	411	418	414	395	391	384	393	412	427	450	458	460	458	458	438	436	432	429	417	421	424	424	423
Mean	420	420	420	420	417	416	411	402	392	**391**	399	414	435	451	**457**	455	448	439	431	428	424	424	423	420	419	423

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

282. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **April, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	897	901	905	905	893	892	897	896	901	901	901	897	897	901	905	909	910	912	914	915	914	914	914	910	906	904
2	906	897	900	905	908	909	910	911	914	914	909	901	897	897	901	905	907	910	914	914	910	909	910	912	902	907
3	902	901	905	906	908	905	907	909	906	903	897	896	892	893	897	901	907	913	910	910	910	910	910	905	897	904
4	897	898	905	906	906	905	906	909	909	905	897	892	888	892	904	911	911	910	921	926	923	910	910	909	909	907
5	909	901	897	880	883	897	901	905	902	898	894	891	892	897	901	906	909	910	918	922	915	914	912	910	902	903
6	902	899	901	905	904	905	904	902	899	897	892	889	888	891	897	904	909	913	913	913	912	911	909	906	905	903
7	905	902	901	903	905	905	905	906	906	901	892	888	885	890	896	907	922	938	953	961	957	937	907	911	907	912
8	907	905	896	892	894	901	896	894	893	890	891	888	893	905	927	933	927	930	923	919	917	916	914	910	910	907
9D	910	907	906	909	910	910	911	910	909	905	897	893	895	909	930	961	998	1005	1001	970	948	930	919	914	913	927
10	913	903	894	902	909	914	914	914	914	910	910	908	906	911	914	918	922	923	922	918	916	914	913	910	910	912
11D	910	910	910	910	904	876	862	862	876	891	897	901	898	898	906	924	954	1011	1008	954	942	935	927	909	884	915
12D	884	901	892	869	902	910	914	915	918	914	914	911	906	907	912	923	927	927	923	923	919	915	906	908	909	911
13	909	906	910	910	910	913	914	914	914	909	905	905	904	902	909	918	921	919	918	917	914	913	913	913	906	911
14D	906	902	901	901	896	897	895	884	879	876	889	922	971	1023	1069	1030	1034	1017	958	935	935	926	919	920	921	**937**
15	921	892	884	892	892	891	909	918	924	925	922	916	923	927	927	938	939	927	919	918	919	918	918	918	918	916
16	918	918	914	913	913	913	918	921	922	919	913	910	910	912	916	918	918	919	923	921	921	920	919	918	918	917
17Q	918	918	918	918	918	918	922	926	926	923	915	909	901	902	913	920	919	919	919	918	917	914	914	915	915	917
18Q	915	915	915	915	916	916	918	918	916	913	906	901	896	893	902	910	914	914	914	915	915	915	914	914	914	912
19	914	914	914	914	913	910	910	913	913	905	894	892	892	891	900	908	910	910	912	913	913	913	912	910	910	908
20Q	910	910	910	910	910	910	914	918	915	911	905	902	898	897	898	905	910	914	913	910	910	909	909	909	909	909
21Q	909	909	909	908	905	904	905	905	904	901	897	892	888	888	892	897	903	906	906	905	905	905	905	905	905	902
22Q	905	906	906	906	906	906	906	907	905	904	898	892	888	886	888	892	897	901	901	901	901	901	901	901	901	900
23	901	902	902	902	904	905	905	901	898	892	883	880	879	882	890	904	917	918	910	910	914	916	907	887	886	900
24D	886	884	884	892	896	882	856	863	883	888	892	888	888	894	914	932	946	948	944	935	932	897	885	885	867	899
25	867	841	857	883	896	897	899	901	901	898	891	887	883	891	898	905	911	913	914	914	918	914	909	903	900	896
26	900	901	905	905	905	902	904	906	906	901	897	893	887	888	897	905	909	913	919	925	919	914	912	909	904	905
27	904	901	897	897	901	902	904	905	901	897	893	890	888	890	898	905	906	906	906	907	906	906	906	906	905	901
28	905	905	905	904	902	905	907	909	906	901	893	888	887	888	891	893	896	898	901	905	902	901	901	901	901	900
29	901	902	901	901	901	901	901	901	899	894	887	883	879	879	880	883	888	891	896	897	897	898	900	901	901	**894**
30	901	893	896	896	894	888	890	895	899	896	888	885	883	884	888	897	905	913	913	911	913	907	903	902	904	898
Mean	904	901	901	902	903	903	903	905	905	903	899	896	**896**	900	909	915	922	**925**	924	920	918	913	910	908	905	908

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

283. Eskdalemuir. **April, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figures $\frac{\Sigma R^2}{100\gamma^2}$ §.	Magnetic Character of Day	Temperature in Magnet House 200 +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ			*a.*
1	20 50	1059	12 10	981	78	14 44	476	8 42	397	79	18 19	917	4 44	888	29	132	1	83·0
2	23 46	1069	11 21	976	93	13 34	457	23 40	378	79	18 30	915	1 20	895	20	153	1	83·0
3	0 1 / 21 50	1060	11 4	991	69	14 10	460	0 9	377	83	17 1	914	12 10	892	22	121	1	83·0
4	19 49	1089	13 0	992	97	14 8	477	19 40	352	125	19 33	935	12 18	888	47	272	1	83·0
5	19 7	1066	12 9	977	89	14 25	465	8 48	390	75	18 40	923	3 19	871	52	163	1	83·0
6	0 9	1065	12 50	991	74	14 16	466	7 59	397	69	17 20	914	12 8	888	26	109	0	83·0
7	21 1	1085	11 41	996	89	15 35	490	20 52	372	118	18 50	962	12 0	884	78	279	1	83·0
8	23 4	1064	14 58	955	109	13 2	486	0 16	371	115	14 47	936	10 50	888	48	274	1	83·0
9	15 18	**1163**	12 19	942	221	15 6	**521**	8 22	359	162	17 21	1011	10 46	892	119	892	2	83·1
10	23 37	1061	10 20	962	99	12 44	458	7 46	391	67	16 39	923	2 18	892	31	153	1	83·1
11	17 2	1147	10 50	977	170	15 13	479	23 28	357	122	17 48	1025	6 50	858	167	717	2	83·1
12	21 28	1090	10 43	987	103	14 3	471	8 28	375	96	16 45	930	2 43	852	78	259	1	83·1
13	23 50	1128	11 52	988	140	23 50	491	8 48	379	112	16 1	921	12 40	901	20	325	1	83·1
14	6 12	1160	10 19	**879**	**281**	16 10	517	**252**	8 47	**265**	14 22	**1081**	8 51	866	**215**	1954	2	83·1
15	20 23	1046	10 53	960	86	14 28	471	381	8 28	90	15 30	944	1 30	876	68	201	1	83·1
16	19 22	1051	12 6	972	79	13 8	450	377	7 52	73	18 4	924	11 28	909	**15**	118	0	83·2
17	18 16	1061	11 1	975	86	13 50	458	373	9 6	85	8 0	926	12 19	897	29	155	0	83·2
18	19 50	1060	11 49	986	74	13 21	471	378	9 20	93	6 30	919	12 43	892	27	149	0	83·2
19	19 19 / 21 48 / 17 13	1065	9 30	997	68	14 25	459	378	8 52	81	7 40	914	12 40	889	25	118	0	83·2
20	21 27	1062	12 48	997	65	13 43	458	379	9 1	79	7 27	918	12 51	896	22	109	0	83·2
21	4 38	1062	12 18	1003	59	14 13	450	383	9 13	67	2 10	910	12 40	887	23	85	0	83·2
22	19 24	1061	11 35	1002	59	13 59	464	390	9 2	74	6 50	907	12 51	885	22	94	0	83·2
23	22 19	1124	12 58	1007	117	14 56	484	388	23 22	96	16 45	922	11 50	877	45	249	1	83·2
24	20 53	1110	11 33	973	137	14 49	490	358	20 40	132	16 18 / 17 31	949	6 2	853	96	454	1	83·1
25	0 42	1074	13 3	983	91	15 20	460	365	1 9	95	19 50	919	0 48	**834**	85	245	1	83·1
26	18 34	1075	10 31	997	78	14 0	451	391	8 0	**60**	18 40	926	12 12	885	41	114	1	83·1
27	16 16	1075	10 40	1004	71	13 34	454	390	8 26	64	19 3	908	11 40	888	20	95	0	83·1
28	18 36	1063	12 2	1006	**57**	13 32	452	383	7 22	69	17 13	909	11 27	885	24	86	0	83·1
29	18 57	1080	11 46	1011	69	14 32	472	387	8 8	85	0 50	904	12 45	877	27	127	1	83·1
30	0 36	1085	10 39	1002	83	13 20	464	380	8 1	84	17 12	914	12 33	882	32	150	1	83·1
Mean	—	1082	—	982	100	—	471	—	374	96	—	934	—	882	52	278	0·77	83·1
No. of Days used.	—	30	—	30	30	—	30	—	30	30	—	30	—	30	30	30	30	30

§ For explanation *see* page 161. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

284. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **May, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1052	1056	1057	1060	1056	1056	1054	1047	1037	1025	1011	999	1006	1021	1026	1045	1056	1061	1071	1069	1070	1056	1058	1056	1055	1046
2	1055	1051	1051	1047	1054	1052	1046	1046	1050	1041	1024	1012	1012	1019	1033	1040	1056	1063	1061	1065	1063	1065	1061	1065	1061	1047
3 D	1062	1062	1058	1058	1046	1056	1052	1052	1047	1031	1013	1008	998	1018	1052	1027	1095	1116	1104	1062	1042	1038	1030	1031	1033	1048
4	1033	1040	1042	1037	1038	1039	1037	1027	1025	1022	1012	1004	995	1000	1008	1036	1042	1058	1063	1062	1066	1041	1032	1030	1042	1033
5 D	1042	1053	1057	1061	1086	964	985	925	915	930	978	965	989	984	994	998	1014	1027	1056	1066	1056	1051	1056	1055	1042	**1013**
6	1042	1032	1029	1028	1036	1034	1041	1039	1037	1022	1010	998	993	984	993	1008	1033	1045	1047	1049	1051	1052	1048	1045	1042	1029
7 D	1042	1042	1043	1045	1051	1053	1060	1068	1049	1041	1034	1027	1018	1003	1017	1116	1080	1037	1026	1028	1022	1038	1032	1042	1027	1042
8	1027	1022	1009	986	1013	1038	1037	1032	1022	1008	978	980	987	1007	1012	1028	1042	1057	1072	1054	1051	1051	1048	1049	1054	1026
9	1054	1037	1037	1045	1051	1047	1042	1035	1023	1020	1005	1001	998	1011	1032	1072	1118	1096	1086	1070	1042	1029	1034	1041	1046	1043
10	1046	1037	1038	1044	1041	1050	1051	1047	1037	1027	1010	998	995	1004	1023	1040	1053	1065	1065	1060	1055	1052	1051	1048	1050	1039
11 Q	1051	1049	1043	1045	1048	1052	1049	1043	1032	1019	1005	999	1000	1007	1017	1032	1038	1044	1057	1063	1059	1054	1053	1053	1051	1038
12 Q	1051	1048	1048	1047	1048	1053	1053	1049	1045	1033	1017	1008	1009	1020	1038	1043	1055	1058	1070	1070	1064	1050	1053	1055	1058	1045
13	1058	1056	1053	1053	1053	1057	1054	1048	1048	1039	1024	1019	1023	1029	1035	1044	1049	1067	1063	1073	1073	1063	1056	1054	1052	1049
14	1052	1055	1063	1052	1057	1058	1059	1058	1047	1036	1014	1009	1031	1044	1048	1058	1063	1067	1063	1068	1062	1062	1060	1059	1059	1052
15	1059	1058	1063	1043	1058	1068	1068	1058	1044	993	997	1023	1023	1008	1019	1045	1063	1063	1060	1074	1061	1053	1053	1057	1049	1046
16	1049	1053	1054	1053	1052	1053	1049	1048	1044	1009	999	1000	1019	995	1023	1028	1044	1052	1061	1068	1062	1063	1053	1053	1058	1041
17 Q	1058	1049	1049	1058	1062	1054	1052	1048	1039	1027	1014	1010	1009	1014	1027	1038	1052	1063	1067	1063	1060	1056	1055	1059	1053	1045
18 Q	1053	1048	1048	1048	1048	1052	1048	1038	1029	1018	1013	1015	1023	1038	1029	1034	1048	1054	1064	1063	1063	1062	1062	1063	1063	1044
19	1063	1057	1056	1062	1066	1063	1062	1048	1029	1018	1019	1023	1013	1024	1023	1038	1077	1092	1067	1074	1063	1053	1044	1044	1045	1049
20 D	1046	1049	1061	1066	1069	1045	1034	1030	1029	1016	1005	984	1020	1040	1045	1024	1053	1088	1073	1052	1063	1049	1044	1045	1049	1043
21	1049	1053	1034	1022	1038	1047	1044	1034	1024	1018	1010	1005	1014	1019	1029	1036	1051	1064	1069	1079	1079	1064	1059	1059	1051	1042
22	1051	1039	1046	1045	1050	1060	1050	1040	1031	1025	1014	1010	1014	1020	1029	1047	1061	1062	1063	1064	1064	1063	1050	1050	1050	1044
23	1050	1050	1053	1053	1053	1053	1049	1049	1044	1043	1034	1029	1024	1027	1042	1049	1063	1074	1063	1070	1078	1061	1059	1055	1050	1051
24	1050	1049	1053	1060	1056	1058	1054	1047	1044	1031	1033	1036	1049	1034	1041	1047	1049	1049	1056	1063	1064	1063	1063	1060	1064	1051
25	1064	1055	1059	1055	1055	1064	1059	1055	1047	1040	1030	1030	1027	1027	1024	1040	1049	1064	1073	1070	1076	1069	1064	1065	1066	1053
26 Q	1066	1060	1055	1059	1059	1060	1059	1051	1035	1024	1015	1015	1016	1025	1025	1039	1044	1058	1068	1074	1074	1068	1064	1060	1061	1049
27	1061	1058	1055	1055	1054	1074	1067	1065	1064	1039	1030	1029	1026	1034	1038	1049	1063	1075	1090	1095	1083	1074	1078	1079	1071	**1060**
28 D	1072	1071	1068	1068	1068	1071	1065	1047	1025	1022	1011	1012	1021	1041	1030	1031	1065	1070	1104	1104	1080	1050	1027	1035	1040	1052
29	1040	1031	1036	1041	1030	1035	1040	1035	1025	1014	1010	1005	1002	1011	1033	1035	1054	1060	1064	1075	1070	1067	1067	1055	1046	1039
30	1046	1046	1045	1047	1051	1058	1055	1050	1035	1016	1011	1010	1008	1006	1020	1045	1054	1075	1079	1078	1060	1058	1056	1050	1050	1044
31	1050	1051	1055	1055	1055	1055	1051	1045	1035	1025	1014	1010	1006	1017	1039	1059	1070	1075	1075	1076	1074	1072	1063	1062	1060	1050
Mean	1051	1049	1049	1048	1052	1051	1049	1042	1033	1022	1013	**1009**	1012	1017	1027	1041	1057	1064	1068	**1068**	1063	1056	1053	1053	1052	1044

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

285. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **May, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	424	425	424	424	405	404	395	384	379	385	398	417	434	454	454	450	445	440	438	426	405	420	425	424	424	420
2	424	420	418	421	407	385	388	384	373	371	385	406	422	438	446	444	440	438	436	431	432	434	430	424	428	417
3 D	428	425	424	426	431	417	393	375	372	381	398	414	438	467	493	477	491	491	442	431	418	424	417	386	358	**426**
4	358	397	398	404	410	404	391	386	384	384	397	410	425	442	448	454	446	445	444	438	435	411	397	381	378	412
5 D	378	365	326	317	390	409	458	399	391	412	424	418	431	439	431	418	418	422	430	437	431	417	409	413	405	**408**
6	405	398	405	411	411	411	410	392	385	383	388	401	418	424	432	432	438	432	424	424	424	424	416	416	420	413
7 D	420	419	418	417	415	418	418	402	411	414	410	417	434	438	426	489	478	462	438	432	429	431	405	383	399	426
8	399	400	431	412	425	395	392	391	398	397	405	412	430	451	444	444	441	432	430	437	432	430	427	425	428	421
9	428	435	405	404	408	405	410	405	395	395	393	409	424	435	438	450	437	430	429	424	421	424	428	430	431	419
10	431	411	416	419	432	415	397	384	378	377	385	397	412	427	436	432	420	417	418	417	418	422	421	424	424	413
11 Q	424	424	419	418	411	405	398	392	390	391	400	418	436	445	445	439	431	424	423	419	416	418	424	425	424	418
12 Q	424	424	423	418	411	405	392	385	385	387	395	417	435	445	447	440	433	425	424	424	422	424	425	427	428	418
13	428	426	419	416	410	405	404	408	404	403	410	420	439	445	443	435	430	436	433	433	429	418	423	424	424	422
14	424	430	442	413	412	400	404	399	408	402	410	426	430	442	446	444	438	437	432	431	425	424	426	425	426	424
14	426	431	423	442	407	401	391	372	373	371	430	424	438	444	445	446	450	440	432	436	429	426	424	425	417	422
16	417	418	418	416	412	407	404	393	392	383	405	424	444	448	464	450	451	444	438	433	424	411	420	418	418	422
17 Q	418	418	418	417	418	412	404	391	385	389	398	411	424	436	444	439	437	431	426	423	422	424	424	411	412	417
18 Q	412	417	416	412	407	403	392	385	380	383	402	417	428	446	451	451	450	438	431	424	424	424	424	424	418	419
19	418	418	420	418	418	415	398	384	381	385	406	424	437	457	452	453	450	438	432	417	406	403	404	397	408	418
20 D	408	406	405	377	391	395	390	401	381	395	398	433	444	464	477	462	451	460	444	425	424	411	418	426	426	421
21	426	417	410	406	399	393	385	384	385	392	402	418	436	447	451	444	438	438	436	438	416	418	416	417	391	416
22	391	399	409	426	405	397	391	384	385	391	398	412	426	434	438	437	431	426	425	428	424	418	418	419	418	414
23	418	418	414	411	405	398	392	391	391	392	403	412	431	444	451	452	452	445	431	432	418	418	418	418	412	419
24	412	410	409	410	401	403	391	392	385	391	403	416	436	438	443	434	434	432	431	426	421	424	424	421	415	416
25	415	412	411	411	416	410	393	391	386	397	406	414	424	443	444	451	451	446	440	437	432	431	430	430	420	422
26 Q	420	414	411	411	403	396	388	381	378	379	391	407	423	433	432	437	430	426	425	430	429	425	424	424	422	413
27	422	417	411	411	406	402	379	381	387	399	412	416	430	438	438	438	438	437	444	446	437	430	431	423	418	420
28 D	418	422	422	419	405	397	383	365	377	379	391	414	430	453	458	453	460	444	441	405	412	395	391	416	415	415
29	415	423	410	405	398	390	381	374	375	385	405	423	443	446	451	444	438	430	423	425	417	416	405	404	411	413
30	411	416	412	407	403	395	385	375	371	374	391	405	424	432	444	451	444	439	431	422	420	424	424	418	417	413
31	417	412	414	415	410	399	391	385	386	395	410	424	443	453	459	458	451	442	438	431	430	412	403	403	402	420
Mean	415	415	413	411	409	403	396	388	**386**	389	402	415	431	443	**447**	447	443	438	433	428	423	420	418	416	414	418

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

286. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **May, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	904	903	902	897	893	896	897	897	897	892	885	880	877	881	887	892	895	899	904	909	915	909	906	905	904	897
2	904	905	904	901	896	900	902	901	901	897	888	887	888	890	892	900	909	910	913	913	909	906	906	905	901	901
3 D	901	901	901	901	898	889	892	899	900	893	888	886	884	888	904	916	934	970	986	965	952	937	930	917	905	914
4	905	904	909	912	910	912	913	909	908	901	897	896	893	893	897	901	905	909	913	917	920	927	926	918	905	908
5 D	905	889	845	798	768	764	770	793	844	875	915	927	941	930	925	923	923	923	923	929	930	927	892	883	900	**881**
6	900	909	913	913	909	909	909	913	911	909	906	904	905	915	918	921	915	914	918	918	918	918	914	913	910	912
7 D	910	910	910	912	911	908	905	906	905	905	902	899	897	918	958	1025	1051	1005	957	935	923	922	923	914	906	**930**
8	906	901	892	861	875	897	909	911	909	907	901	893	892	892	909	917	924	932	931	919	915	914	913	912	908	906
9	908	871	866	892	900	906	909	907	909	906	906	903	901	901	905	919	937	950	955	948	929	922	918	914	900	912
10	899	901	906	908	903	901	906	909	908	908	908	905	901	900	904	905	908	913	914	915	914	912	910	909	908	907
11 Q	908	908	908	908	910	912	912	911	909	903	896	892	887	887	892	902	905	908	908	912	915	912	908	907	906	905
12 Q	906	906	906	906	908	908	912	912	909	904	896	888	886	886	889	895	904	906	908	912	914	913	908	908	906	904
13	906	905	904	905	906	908	906	905	904	899	891	885	879	883	889	894	897	902	905	908	912	909	906	906	905	901
14	904	903	895	891	895	898	895	890	888	886	886	881	878	882	886	892	897	900	903	903	907	904	903	903	903	895
15	903	898	893	882	849	860	866	881	890	893	886	886	885	894	902	909	912	923	921	912	910	907	907	904	903	895
16	903	904	904	904	905	903	901	899	895	896	894	891	890	895	903	912	918	916	913	915	916	914	908	907	901	904
17 Q	900	897	897	898	898	902	906	906	906	902	899	896	894	894	897	899	906	907	911	911	911	906	906	906	903	902
18 Q	903	903	905	906	907	907	908	909	906	900	897	890	886	893	898	905	908	910	907	906	905	902	902	902	902	903
19	902	902	902	902	903	902	902	902	902	898	889	885	884	890	904	911	924	943	941	937	932	919	906	894	898	907
20 D	897	900	896	888	893	902	906	901	897	892	883	882	884	893	911	931	932	931	932	931	923	917	909	901	885	905
21	885	883	873	875	891	900	901	901	898	892	879	871	874	883	892	899	905	905	906	910	918	914	905	901	892	894
22	892	897	895	888	892	898	899	899	900	898	893	888	886	889	896	899	905	909	907	903	905	908	905	905	904	898
23	903	901	901	903	904	905	904	900	896	890	885	883	879	882	883	885	892	901	908	908	908	907	904	902	901	897
24	901	901	899	893	892	899	903	902	900	895	886	879	877	881	882	887	891	900	901	901	904	904	901	901	900	895
25	899	897	895	895	895	895	895	894	895	892	887	879	873	878	886	895	903	912	917	917	910	907	904	899	895	897
26 Q	895	891	895	898	902	903	900	899	895	891	891	889	886	889	891	892	895	899	902	900	902	903	902	900	899	896
27	898	899	898	898	898	897	896	890	885	877	874	877	881	881	885	890	893	894	894	894	897	899	897	894	894	891
28 D	894	893	894	892	897	898	899	898	893	889	876	870	865	869	888	899	902	910	919	942	942	937	923	911	898	900
29	898	894	897	901	902	901	902	902	902	898	894	886	885	895	902	904	907	906	907	906	909	910	903	899	899	900
30	898	898	899	900	902	904	905	904	903	898	892	888	880	884	890	897	902	907	915	916	914	906	903	902	902	900
31	902	902	902	901	903	905	905	902	901	897	890	889	889	892	895	898	910	914	910	907	906	905	905	898	894	901
Mean	901	899	897	894	894	896	898	898	899	896	892	889	**887**	891	899	907	913	917	**918**	917	916	913	908	905	901	902

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

287. Eskdalemuir. **May, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ			*a.*
1	19 47	1081	11 1	997	84	13 16	460	8 20	344	116	19 55	916	11 42	875	41	222	1	83·1
2	20 12	1079	11 19	1006	73	14 20	450	8 38	371	79	18 30	914	11 1	886	28	124	1	83·1
3	16 49	**1199**	12 16	992	207	16 51	**603**	23 50	318	**285**	17 50	990	11 26	884	106	1353	2	83·1
4	17 30	1081	11 40	985	96	15 10	464	0 0	351	113	21 25	928	13 2	892	36	233	1	83·1
5	21 46	1135	8 18	**875**	**260**	6 23	509	2 30	**290**	219	12 3	944	4 43	**755**	**189**	1513	2	83·2
6	20 42	1057	13 41	964	93	13 59	446	8 16	378	68	14 49	923	11 30	902	21	137	1	83·1
7	15 0	1164	13 25	951	213	15 0	523	22 50	358	165	15 26	**1068**	12 20	894	174	1029	2	83·2
8	17 48	1088	10 40	963	125	15 25	470	7 16	378	92	17 29	937	3 1	854	83	310	1	83·3
9	16 16	1169	11 41	996	173	0 44	481	8 5	385	96	18 16	956	1 14	849	107	506	1	83·2
10	17 49	1070	12 8	992	78	14 0 / 14 23	438	8 20	368	70	18 24	915	0 4	896	19	113	1	83 2
11	18 43	1070	11 38	997	73	13 18	450	8 11	389	61	19 50	916	12 1	886	30	99	0	83·2
12	18 26	1078	11 20	1006	72	14 16	452	7 45	383	69	20 23	917	12 28	883	34	111	0	83 2
13	20 35	1103	10 38	1018	85	13 11	450	8 35	399	**51**	20 25	914	11 58	879	35	111	1	83·3
14	19 0	1073	10 28	1000	73	1 54	456	9 18	396	60	20 21	907	12 11	878	29	98	1	83·3
15	19 5	1086	9 19	953	133	3 20	468	8 28	353	115	17 30	926	4 3	845	81	375	1	83·3
16	18 36	1081	13 16	980	101	14 4	471	8 51	375	96	16 10	921	12 8	890	31	204	1	83·3
17	17 39	1073	11 41	1005	68	14 32	445	8 14	379	66	19 0	912	12 20	894	18	93	0	83·3
18	17 39	1073	9 32	1007	66	14 33	460	7 39	378	82	16 40	911	12 2	885	26	118	0	83·4
19	16 52	1121	12 8	1008	113	13 8	464	7 7	366	98	17 18	945	11 15	882	63	263	1	83·4
20	17 14	1112	10 46	946	166	14 45	503	7 50	371	132	15 21	939	10 32	876	63	489	1	83·4
21	19 5	1088	11 10	1000	88	13 28	452	6 56	377	75	20 0	918	11 0	871	47	156	1	83·4
22	21 0	1070	10 51 / 11 43	1009	61	14 16	441	0 16 / 6 50	371	70	16 55	910	2 16	884	26	93	1	83·5
23	19 59	1088	11 55	1024	64	15 49	458	7 23	385	73	19 57	909	12 18	879	30	103	1	83·5
24	3 14	1070	13 22	1024	**46**	14 22	451	8 15	381	70	20 10	905	11 55	876	29	79	1	83·5
25	17 57	1083	14 4	1019	64	16 43	456	8 20	385	71	17 48 / 4 56	918	12 0	873	45	112	1	83·6
26	18 47	1077	10 23	1008	69	15 22	439	8 29	377	62	21 0	903	12 20	886	**17**	89	0	83·6
27	18 40	1105	9 42	1015	90	18 40	454	8 21	364	90	20 40	900	10 8	873	27	169	1	83·6
28	17 48	1165	10 46	1000	165	17 48	485	7 10	359	126	19 50	945	12 17	864	81	497	1	83·7
29	19 1	1087	11 47	1000	87	14 9	457	6 54	371	86	20 30	911	11 30	884	27	157	1	83·7
30	18 16	1087	12 43	1002	85	15 15	453	8 22	365	88	19 11	918	12 10	880	38	164	0	83·7
31	19 5	1083	12 8	1004	79	14 0	462	7 12	384	78	16 31	915	11 32	887	28	131	0	83·7
Mean	—	1097	—	992	105	—	467	—	369	97	—	927	—	876	52	298	0·87	83·4
No. of Days used.	—	31	—	31	31	—	31	—	31	31	—	31	—	31	31	31	31	31

§ For explanation *see* page 161. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

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

288. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **June, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1060	1056	1060	1060	1056	1059	1056	1050	1038	1023	1012	1010	1015	1020	1041	1044	1056	1066	1094	1105	1089	1095	1051	1059	1058	1053
2 D	1058	1055	1057	1056	1056	1064	1061	1056	1046	1024	1014	1016	1035	1021	1032	1050	1055	1060	1070	1084	1076	1071	1061	1060	1060	1052
3	1060	1061	1059	1056	1056	1056	1060	1060	1042	1021	1011	1005	1011	1022	1046	1061	1065	1068	1068	1070	1068	1059	1056	1059	1058	1050
4	1059	1057	1056	1057	1061	1065	1061	*	—	*	1027	1012	1012	1018	1026	1047	1056	1059	1077	1086	1086	1078	*	—	*	—
5 D	*	—	—	—	—	—	*	1071	1076	1047	1022	1007	1007	1008	1022	1027	1052	1066	1068	1070	1072	1071	1066	1071	1033	—
6	1033	1033	1040	1041	1049	1043	1042	1036	1027	1022	1012	1015	1017	1015	1023	1037	1051	1064	1068	1071	1066	1064	1061	1053	1054	1041
7	1054	1051	1042	1046	1056	1061	1056	1047	1033	1023	1011	1007	1016	1027	1026	1027	1051	1072	1082	1071	1066	1066	1061	1057	1053	1046
8 Q	1053	1052	1056	1057	1057	1058	1053	1041	1027	1016	1008	1015	1022	1032	1039	1053	1066	1066	1069	1067	1063	1062	1061	1060	1058	1048
9	1058	1057	1057	1056	1053	1056	1058	1050	1035	1026	1028	1028	1031	1042	1052	1056	1065	1067	1076	1076	1066	1064	1056	1060	1060	1053
10	1061	1062	1057	1060	1061	1060	1054	1046	1030	1039	1047	1044	1032	1031	1023	1063	1048	1078	1072	1073	1071	1067	1067	1074	1077	1055
11 D	1077	1074	1060	1062	1062	1059	1053	1053	1043	1033	1038	1034	1014	1033	1010	1023	1057	1062	1068	1077	1072	1071	1062	1059	1072	1052
12 D	1072	1053	1053	1057	1033	1040	1049	1043	1023	990	1003	1034	1030	1038	1046	1048	1048	1053	1060	1072	1077	1077	1058	1048	1049	1046
13	1049	1056	1058	1052	1047	1042	1051	1052	1043	1033	1024	1020	1030	1031	1047	1047	1049	1053	1062	1064	1067	1061	1062	1058	1058	1048
14	1058	1058	1057	1061	1062	1058	1060	1059	1049	1032	1018	1013	1018	1024	1028	1048	1058	1057	1073	1076	1072	1061	1057	1058	1053	1051
15	1053	1053	1054	1058	1065	1064	1058	1052	1047	1047	1028	1008	1004	1018	1032	1047	1058	1061	1072	1072	1077	1077	1067	1057	1052	1051
16	1052	1054	1057	1058	1057	1062	1060	1054	1044	1034	1018	1013	1017	1023	1038	1043	1050	1063	1067	1072	1069	1065	1062	1061	1058	1050
17	1059	1057	1058	1059	1064	1066	1055	1044	1039	1033	1027	1024	1019	1015	1034	1059	1063	1068	1071	1080	1078	1067	1060	1054	1053	1052
18	1053	1053	1056	1050	1058	1059	1056	1053	1043	1031	1019	1011	1014	1023	1035	1047	1063	1069	1075	1078	1072	1059	1059	1057	1049	1050
19 Q	1049	1052	1051	1055	1059	1049	1054	1048	1036	1029	1019	1014	1014	1021	1030	1039	1049	1059	1066	1068	1063	1059	1054	1054	1054	1046
20 Q	1054	1054	1054	1055	1059	1063	1061	1054	1044	1029	1014	1014	1026	1029	1033	1049	1053	1054	1062	1064	1063	1063	1060	1059	1055	1049
21 Q	1055	1053	1051	1052	1054	1058	1056	1054	1049	1035	1024	1022	1026	1033	1036	1049	1059	1073	1078	1073	1068	1063	1068	1063	1059	1052
22	1059	1063	1060	1061	1063	1069	1069	1060	1049	1037	1024	1024	1019	1025	1034	1043	1054	1083	1084	1087	1080	1066	1065	1064	1063	1056
23	1064	1057	1058	1062	1064	1062	1059	1054	1047	1034	1015	1011	1010	1023	1030	1039	1050	1069	1074	1075	1067	1064	1062	1056	1054	1050
24 Q	1054	1056	1055	1059	1062	1061	1056	1054	1050	1050	1044	1035	1032	1030	1030	1035	1044	1062	1070	1070	1072	1069	1069	1068	1069	1054
25	1069	1066	1064	1060	1057	1060	1060	1052	1045	1038	1031	1031	1029	1030	1031	1040	1055	1061	1064	1071	1072	1074	1069	1065	1062	1054
26 D	1062	1063	1059	1064	1064	1064	1060	1055	1049	1054	1055	1025	1029	1044	1079	1060	1077	1094	1075	1094	1075	1100	1070	1035	1040	**1062**
27	1041	1046	1047	1038	1034	1030	1041	1033	1011	1012	1015	1017	1019	1036	1036	1033	1036	1046	1061	1060	1061	1056	1054	1053	1054	**1038**
28	1054	1051	1047	1049	1046	1041	1037	1035	1029	1022	1019	1018	1026	1033	1032	1032	1041	1051	1066	1075	1075	1070	1072	1058	1052	1045
29	1052	1042	1051	1051	1053	1056	1056	1044	1040	1032	1025	1022	1032	1042	1052	1056	1061	1074	1084	1075	1065	1061	1056	1051	1051	1051
30	1051	1051	1049	1051	1056	1048	1046	1047	1043	1028	1013	1006	1020	1031	1041	1065	1056	1057	1066	1091	1089	1075	1075	1073	1066	1051
Mean †	1056	1055	1055	1055	1056	1056	1055	1049	1039	1030	1022	**1019**	1022	1028	1036	1046	1055	1065	1071	**1075**	1071	1068	1062	1058	1057	1050

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

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

289. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **June, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	402	406	411	405	404	398	386	376	372	378	391	412	438	452	464	457	457	451	452	448	430	391	400	411	416	417
2 D	416	412	424	425	418	397	390	386	384	385	408	410	436	451	457	457	451	444	437	437	431	422	411	419	417	421
3	417	411	406	417	418	431	417	404	397	397	410	417	431	445	458	459	450	445	443	435	424	425	423	421	417	**425**
4	417	413	412	419	419	398	384	*	—	*	400	412	430	443	445	448	441	436	437	433	433	431	*	—	*	—
5 D	*	—	—	—	—	—	*	421	410	380	408	423	437	445	457	457	453	444	437	424	417	423	406	364	364	—
6	364	398	404	414	398	386	383	378	374	380	398	413	430	438	444	443	434	431	429	427	424	419	418	417	417	411
7	417	417	423	431	406	390	384	379	384	393	404	417	436	451	447	440	443	438	431	424	424	424	424	425	423	419
8 Q	423	417	417	412	405	398	391	384	382	381	398	416	431	437	431	431	425	421	423	423	424	424	425	426	424	414
9	424	423	423	411	418	424	404	388	384	390	399	417	429	432	433	430	424	424	427	431	431	431	430	426	423	419
10	423	424	421	411	400	398	393	398	401	411	418	429	437	439	439	444	438	437	426	432	437	431	431	425	424	423
11 D	424	409	403	403	408	404	409	400	397	404	415	424	431	457	451	451	457	450	444	431	431	425	423	417	410	423
12 D	410	399	411	404	419	412	411	398	384	384	404	412	418	430	436	431	431	430	424	424	417	416	400	412	419	413
13	419	423	417	424	417	412	398	396	393	398	405	412	429	437	443	444	434	429	424	423	419	419	420	417	418	419
14	418	417	432	429	404	402	400	393	394	390	399	410	429	444	451	449	443	429	424	422	417	414	413	417	412	418
15	413	417	420	424	413	405	393	381	372	379	392	407	432	452	458	458	448	433	424	418	419	422	411	411	414	417
16	414	416	413	405	411	401	389	385	379	385	399	414	434	444	446	444	438	430	424	425	424	424	420	419	418	416
17	418	418	413	411	406	399	385	375	384	387	405	425	445	446	456	460	446	432	426	432	431	424	420	418	418	419
18	418	412	411	412	401	393	391	392	392	391	393	400	416	433	444	438	438	432	425	425	424	415	416	418	412	414
19 Q	412	412	403	406	398	399	388	385	385	393	405	412	428	441	446	439	433	430	426	425	424	418	418	416	413	414
20 Q	413	413	412	411	405	397	386	385	380	381	392	405	426	438	438	444	438	432	427	425	422	420	418	413	411	413
21 Q	411	413	418	407	399	391	386	385	385	385	401	414	426	432	435	437	432	432	432	431	425	424	419	418	413	414
22	413	417	406	399	393	385	376	383	385	387	399	413	434	451	460	460	456	456	444	435	431	421	418	411	405	418
23	405	400	399	403	396	391	375	376	391	392	396	409	425	438	444	440	438	438	432	432	421	424	418	413	413	413
24 Q	413	413	409	405	405	393	386	387	396	398	401	407	418	430	434	437	438	438	432	422	422	420	424	421	420	415
25	420	419	420	418	419	395	382	381	376	383	392	399	424	438	446	454	445	438	433	432	428	427	426	420	413	417
26 D	413	412	410	406	405	399	389	379	373	379	385	412	445	465	479	471	451	452	438	451	438	413	372	388	399	417
27	399	404	400	405	405	405	397	386	387	385	405	420	437	444	444	441	434	431	431	424	420	418	418	412	416	415
28	416	407	405	406	405	405	394	386	373	366	377	397	420	432	433	432	429	429	425	430	425	418	412	406	405	**409**
29	405	403	400	396	391	389	390	384	379	379	393	413	432	438	438	438	440	432	431	424	418	420	418	415	411	411
30	411	405	405	400	399	400	391	380	371	371	385	405	424	438	446	462	451	440	433	438	432	432	432	420	425	416
Mean †	413	412	412	411	406	400	392	386	**384**	387	399	412	430	442	**446**	446	441	436	431	429	425	421	417	416	415	416

† Mean of 28 days, 4th and 5th omitted. * Clock stopped.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322-333.

TERRESTRIAL MAGNETIC FORCE : VERTICAL COMPONENT.

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

290. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **June, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	893	893	890	891	896	900	901	902	897	892	883	875	870	873	877	883	887	892	895	903	910	900	896	897	896	892
2D	896	896	888	879	886	896	899	897	894	889	884	881	878	880	887	896	904	908	909	906	905	905	904	900	897	894
3	896	896	895	895	890	887	883	883	886	882	874	872	874	878	883	891	895	900	904	904	904	900	898	897	897	890
4	897	896	896	896	895	895	899	*	—	*	887	882	874	875	882	890	896	900	899	900	900	899	*	—	*	—
5D	*	—	—	—	—	—	*	881	882	885	885	882	886	890	893	902	907	911	916	916	911	907	899	881	856	—
6	855	841	867	882	889	901	903	903	897	888	885	881	877	879	880	885	890	895	898	901	901	901	897	897	894	888
7	894	893	893	889	893	898	898	898	896	888	888	881	876	877	883	889	893	897	903	906	904	898	897	895	895	893
8Q	895	896	897	897	899	901	901	901	897	893	885	878	876	884	891	893	895	902	906	902	901	898	897	897	897	**895**
9	896	894	894	896	896	892	887	891	888	884	875	875	879	882	891	896	897	903	906	909	909	905	904	900	897	894
10	897	896	896	896	899	899	896	892	888	879	874	871	877	888	897	905	909	903	905	905	902	900	899	893	886	894
11D	885	881	886	891	891	888	887	886	885	882	880	881	886	887	887	891	898	914	916	917	911	907	904	899	887	893
12D	887	881	883	887	887	879	882	887	891	887	877	871	870	878	889	901	908	905	904	903	904	902	900	896	895	890
13	894	891	890	890	886	886	890	891	895	895	894	890	883	884	890	892	894	898	899	899	899	898	895	894	894	892
14	893	893	890	881	882	888	885	889	887	885	884	885	877	876	881	892	897	898	900	898	898	898	896	893	891	889
15	891	893	890	890	890	893	894	893	893	889	889	883	877	877	879	882	890	899	902	902	898	897	896	892	893	891
16	892	892	892	892	893	893	894	892	892	886	886	883	875	875	883	890	893	896	896	894	892	892	891	889	892	890
17	892	890	892	892	892	892	893	892	888	884	880	879	876	882	881	886	898	905	906	904	901	900	897	896	895	892
18	895	893	892	888	888	892	892	888	883	876	871	872	875	876	880	887	893	898	898	899	898	897	896	892	892	888
19Q	891	891	891	891	891	889	887	888	891	889	882	877	877	879	881	883	889	893	896	896	896	895	892	891	891	889
20Q	891	891	891	892	893	894	894	895	895	892	888	885	881	882	882	883	887	891	895	896	896	895	892	891	891	891
21Q	890	890	890	890	890	891	894	891	890	886	881	880	883	887	887	886	886	890	894	899	897	894	890	890	890	889
22	890	886	887	890	892	890	890	886	882	878	878	878	877	877	878	886	894	899	903	904	904	899	896	890	890	889
23	890	889	890	890	893	894	891	886	882	881	874	869	865	868	873	878	882	886	890	895	898	895	893	891	890	885
24Q	889	889	889	889	889	890	890	888	884	881	877	873	875	880	881	883	886	891	892	894	893	889	889	889	888	886
25	888	887	886	889	889	889	886	885	885	876	867	862	867	873	876	879	884	887	889	889	889	889	889	889	889	883
26D	888	888	888	889	888	889	889	887	881	867	859	863	864	869	884	896	918	921	920	910	910	894	880	870	880	888
27	879	887	887	887	875	859	864	875	878	875	870	865	862	871	884	892	896	897	896	892	892	892	892	892	892	**882**
28	892	892	892	892	892	890	890	890	889	887	882	876	879	884	887	887	891	893	896	898	899	899	893	888	888	890
29	887	887	883	883	882	885	887	891	887	886	882	880	876	877	883	890	895	895	895	899	900	896	895	894	892	888
30	892	892	891	891	892	891	890	886	882	877	874	867	861	864	869	871	886	891	892	895	899	895	892	892	891	885
Mean †	890	889	889	890	890	891	891	890	889	884	879	876	**875**	878	883	888	894	898	900	**901**	900	897	895	893	892	890

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

291. Eskdalemuir. **June, 1927.**

Day.	Terrestrial Magnetic Elements. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figures $\frac{\Sigma R^2}{100\,\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ			a.
1	20 48	1124	11 25	1006	118	14 11	470	368	7 54	102	19 50	913	869	12 2	44	263	1	83·7
2	18 50	1094	12 29	1005	89	13 49	467	376	9 0	91	17 29	909	875	11 48	34	174	1	83·7
3	16 41	1081	11 8	1001	80	14 1	464	390	9 10	74	19 44	904	871	11 0	33	130	1	83·8
4	19 29	1101	12 32	1007	94	14 53	455	380	6 8	75	16 45	901	874	12 9	27	152	1	83·9
5	22 53	1105	11 10	997	108	14 42	463	**345**	23 37	118	18 3	918	855	24 0	63	296	1	83·9
6	18 31	1077	10 28	1003	74	13 28	450	361	0 1	89	6 29	905	**837**	0 50	**68**	180	1	83·9
7	18 11	1086	11 1	1002	84	12 48	455	377	7 20	78	19 30	906	875	11 40	31	141	1	83·9
8	17 41	1072	10 2	1007	65	12 31	437	378	8 22	59	18 0	906	874	11 51	32	87	0	83·9
									8 8									
9	18 28	1082	9 18	1023	59	13 52	438	383	8 31	55	18 40	909	873	10 21	36	78	0	83·9
10	17 13	1094	14 6	1013	81	15 34	464	390	6 20	74	16 6	913	870	11 0	43	139	1	83·9
11	16 31	1097	14 0	970	127	16 29	471	384	7 49	87	18 57	921	878	10 30	43	255	1	83·9
12	20 36	1092	9 27	**968**	124	15 19	445	370	8 51	75	16 12	909	866	11 26	43	229	1	84·0
13	19 54	1069	11 7	1015	**54**	14 14	447	384	7 35	63	18 29	900	882	12 30	**18**	72	1	84·0
14	17 53	1082	11 8	1008	74	14 8	453	384	8 51	69	18 18	902	876	13 11	26	109	1	84·1
15	22 3	1086	11 38	999	87	14 26	464	365	8 22	99	18 38	902	876	12 21	26	180	1	84·1
16	18 44	1073	11 9	1003	70	14 3	448	377	8 18	71	18 6	897	874	12 39	23	105	0	84·1
17	19 37	1084	12 31	992	92	14 59	465	371	7 8	94	17 52	906	875	11 53	31	183	1	84·1
18	18 31	1082	12 21	1007	75	13 41	445	385	8 41	60	18 42	900	870	10 20	30	101	0	84·2
19	18 56	1071	11 45	1011	60	14 3	448	383	6 49	65	19 31	896	875	11 32	21	83	0	84·2
20	22 31	1069	10 23	1010	59	14 46	450	379	8 40	71	19 30	897	879	12 21	**18**	88	0	84·3
						13 45												
21	17 51	1081	10 41	1020	61	15 20	438	379	8 32	59	19 20	899	879	10 29	20	76	0	84·3
			11 18															
22	19 26	1093	12 26	1015	78	14 40	465	372	5 36	93	19 12	905	874	12 29	31	157	1	84·3
23	18 32	1080	11 32	1006	74	14 14	446	371	6 0	75	20 10	899	865	12 5	34	123	1	84·3
24	18 22	1074	13 42	1026	48	17 10	439	385	6 29	**54**	19 20	894	873	10 48	21	57	0	84·3
25	21 1	1080	13 52	1025	55	15 2	458	372	7 59	86	18 32	890	860	11 5	30	113	0	84·3
26	20 51	**1139**	11 28	1010	**129**	13 49	**485**	354	23 33	**131**	17 42	**924**	858	9 50	66	382	2	84·5
27	18 18	1071	8 21	1001	70	13 10	452	375	8 31	77	17 22	899	855	5 6	44	128	1	84·5
						11 14												
28	21 49	1085	10 43	1013	72	11 25	438	362	8 52	76	18 38	900	875	10 50	25	116	1	84·6
29	17 43	1087	10 32	1012	75	15 58	445	378	9 49	67	20 0	900	874	12 42	26	108	1	84·6
30	19 33	1108	11 3	1001	107	15 9	466	365	9 2	101	19 56	900	860	11 45	40	233	1	84·6
Mean	—	1087	—	1006	81	—	454	375	—	80	—	904	870	—	34	151	0·77	84·1
No. of Days used.	—	30	—	30	30	—	30	30	—	30	—	30	30	—	30	30	30	30

† Mean of 28 days : 4th and 5th omitted. * Clock stopped. § For explanation *see* page 161.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

292. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **July, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	1067	1057	1057	1058	1062	1066	1062	1047	1036	1013	1017	1012	1027	1033	988	1045	1067	1077	1076	1077	1072	1072	1066	1070	1068	1051
2	1068	1066	1062	1058	1062	1066	1062	1048	1042	1032	1017	1008	1009	1014	1037	1062	1076	1067	1071	1096	1086	1087	1057	1051	1048	1054
3 Q	1048	1052	1052	1053	1052	1057	1047	1042	1035	1027	1018	1003	1006	1013	1033	1038	1056	1067	1071	1073	1067	1058	1058	1056	1056	1045
4	1056	1056	1057	1061	1065	1066	1057	1047	1039	1032	1022	1018	1018	1018	1027	1047	1066	1075	1071	1068	1076	1071	1066	1057	1057	1051
5	1058	1072	1067	1072	1067	1068	1063	1048	1039	1026	1015	1014	1028	1039	1037	1057	1067	1070	1070	1069	1065	1063	1062	1062	1058	1054
6	1058	1058	1060	1071	1072	1077	1069	1053	1048	1036	1024	1022	1022	1034	1041	1048	1053	1977	1083	1097	1076	1063	1063	1063	1062	**1057**
7 D	1062	1058	1054	1057	1062	1063	1063	1057	1049	1030	1022	1023	1009	1023	1018	1053	1053	1066	1068	1072	1063	1059	1059	1058	1057	1050
8	1057	1061	1056	1058	1069	1062	1034	1023	1043	1038	1018	1015	1023	1019	1019	1039	1048	1063	1067	1068	1068	1055	1052	1052	1048	1046
9	1049	1050	1049	1049	1051	1053	1048	1049	1044	1033	1019	1015	1018	1029	1033	1050	1049	1068	1071	1069	1065	1068	1055	1050	1049	1047
10 Q	1049	1049	1048	1048	1049	1050	1048	1045	1036	1024	1019	1019	1024	1032	1043	1053	1062	1070	1078	1064	1063	1059	1056	1058	1060	1048
11	1060	1054	1054	1054	1059	1059	1055	1054	1044	1029	1028	1024	1019	1033	1044	1054	1070	1068	1069	1064	1078	1068	1060	1054	1054	1052
12	1055	1056	1060	1061	1064	1062	1052	1056	1056	1045	1035	1032	1036	1034	1037	1049	1063	1065	1065	1064	1065	1068	1060	1055	1054	1054
13	1054	1054	1052	1056	1056	1058	1059	1056	1050	1037	1034	1030	1030	1036	1050	1055	1059	1064	1069	1075	1069	1070	1060	1065	1069	1054
14	1069	1054	1054	1056	1056	1052	1051	1044	1035	1029	1028	1027	1036	1044	1055	1056	1064	1066	1065	1064	1055	1058	1057	1059	1058	1051
15 Q	1059	1060	1060	1060	1060	1059	1052	1046	1043	1026	1020	1016	1034	1045	1051	1056	1057	1056	1065	1059	1062	1064	1060	1057	1055	1051
16 Q	1055	1052	1051	1051	1055	1057	1052	1044	1036	1027	1021	1026	1032	1045	1056	1069	1075	1066	1066	1065	1065	1065	1065	1066	1073	1053
17	1074	1067	1066	1072	1076	1071	1022	1046	1052	1041	1026	1012	1022	1019	1022	1038	1032	1062	1074	1071	1066	1066	1061	1058	1059	1050
18	1059	1060	1061	1058	1062	1066	1062	1055	1049	1030	1013	1010	1010	1022	1040	1052	1061	1067	1070	1068	1067	1062	1061	1058	1054	1051
19	1055	1058	1058	1058	1059	1062	1061	1053	1044	1038	1038	1028	1020	1040	1033	1072	1087	1077	1062	1077	1069	1063	1070	1055	1053	1056
20	1053	1053	1054	1057	1057	1058	1054	1052	1043	1027	1013	1004	1013	1018	1023	1043	1059	1078	1082	1092	1077	1063	1062	1059	1058	1050
21 D	1058	1048	1048	1058	1057	1048	1038	1040	1044	1033	1013	1011	1023	1023	1033	1038	1052	1062	1072	1070	1065	1123	1151	1083	1048	1054
22 D	1049	1049	929	843	1043	1010	815	912	946	981	987	989	1001	980	1073	1098	1093	1029	1098	1059	1034	1034	1025	1015	1015	**1003**
23 D	1015	1015	1017	1020	1024	1024	1020	1019	1019	1012	986	947	1010	1016	1018	1015	1029	1059	1054	1055	1064	1050	1043	1030	1034	1024
24	1034	1029	1027	1017	1023	1034	1020	1013	1000	999	991	995	996	1005	1034	1030	1041	1054	1064	1059	1067	1051	1040	1037	1036	1028
25	1037	1037	1036	1041	1036	1015	1032	1035	1028	1015	1015	1020	1020	1019	1029	1039	1037	1046	1054	1060	1066	1055	1046	1055	1045	1037
26	1045	1049	1035	1035	1036	1036	1035	1030	1025	1015	1006	1011	1018	1021	1030	1031	1043	1050	1063	1060	1069	1070	1068	1089	1065	1041
27	1065	1047	1046	1045	1042	1049	1041	1036	1030	1005	995	1002	1000	1018	1025	1040	1057	1068	1085	1085	1070	1055	1046	1043	1040	1041
28	1041	1043	1041	1043	1043	1036	1036	1042	1041	1029	1012	1007	1006	1012	1021	1031	1037	1050	1055	1057	1056	1053	1050	1048	1049	1037
29 Q	1049	1046	1046	1046	1046	1046	1045	1040	1035	1025	1020	1017	1017	1026	1038	1050	1051	1055	1055	1060	1059	1056	1052	1056	1051	1043
30	1051	1050	1051	1051	1055	1061	1056	1046	1042	1031	1020	1018	1026	1027	1036	1035	1045	1063	1071	1075	1076	1057	1051	1045	1042	1047
31	1043	1042	1044	1046	1051	1052	1049	1043	1033	1012	1014	1012	1009	1018	1030	1033	1051	1052	1061	1067	1052	1046	1047	1047	1047	1040
Mean †	1053	1051	1047	1045	1053	1053	1041	1040	1035	1025	1016	**1012**	1018	1025	1035	1048	1057	1063	1069	**1070**	1066	1063	1059	1055	1052	1046

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

293. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **July, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	425	405	387	392	395	393	387	379	387	379	385	404	425	432	430	445	445	439	429	425	426	418	418	412	418	411
2	418	411	392	399	399	398	391	387	379	370	386	401	424	439	454	458	455	445	438	433	432	413	406	413	407	414
3 Q	407	407	407	405	411	412	391	385	384	385	387	399	414	432	444	443	440	438	426	422	419	418	417	413	412	413
4	412	411	411	411	405	396	383	377	371	366	377	392	413	431	438	440	444	439	432	426	429	418	407	418	424	411
5	424	426	406	389	391	386	385	385	381	382	389	403	424	450	456	452	444	431	427	426	420	418	416	413	411	413
6	411	414	419	418	399	392	391	396	392	383	387	404	418	432	440	446	439	444	445	436	418	424	425	420	412	416
7 D	412	413	412	405	403	404	398	395	385	379	394	412	413	430	438	452	440	433	432	418	418	421	424	418	418	415
8	418	418	405	401	392	399	385	394	380	375	385	396	413	431	437	432	425	424	418	412	416	416	415	416	412	408
9	412	411	411	411	398	392	385	379	379	384	393	406	421	433	433	432	425	428	422	420	419	412	414	413	413	410
10 Q	413	411	411	405	399	391	385	384	378	380	400	418	429	426	425	424	418	418	420	419	418	418	418	418	418	410
11	418	406	407	405	401	397	391	387	387	393	393	400	416	425	426	429	431	426	424	420	426	419	424	421	416	411
12	416	418	422	418	402	399	399	393	391	393	407	420	431	427	427	432	432	425	416	412	418	422	420	419	418	415
13	418	412	409	405	399	392	386	383	379	379	393	406	418	426	438	437	431	425	418	420	425	425	411	413	411	410
14	411	399	407	412	397	388	383	379	379	385	399	413	431	439	438	434	434	425	418	417	416	412	411	411	412	410
15 Q	413	409	406	406	406	394	386	380	368	380	400	419	435	447	455	452	441	428	426	421	421	419	419	419	415	415
16 Q	415	415	412	406	400	392	381	379	376	385	402	418	432	439	440	444	444	437	428	423	419	425	420	420	423	415
17	423	421	397	400	402	398	425	445	415	397	400	416	433	445	453	453	446	439	430	421	417	419	415	413	408	**421**
18	408	406	402	406	401	391	380	372	372	373	389	406	422	432	440	440	439	435	427	419	415	413	408	406	406	408
19	406	408	402	400	398	394	386	386	386	382	394	407	425	445	446	466	455	440	433	439	428	423	405	400	404	415
20	404	401	400	400	400	394	392	386	379	379	386	406	425	437	437	443	441	433	437	409	413	420	423	415	434	411
21 D	434	414	413	394	392	380	386	383	379	384	392	400	414	427	435	432	427	426	425	419	414	421	380	419	397	407
22 D	397	410	412	361	274	302	315	386	357	366	379	394	433	447	465	492	446	426	414	399	415	432	413	401	400	**397**
23 D	400	393	392	388	388	382	380	375	372	377	366	373	406	425	427	422	425	433	412	417	419	406	411	414	394	400
24	394	395	408	398	405	394	379	379	363	366	373	388	412	425	433	428	426	420	420	415	414	400	400	400	404	402
25	404	400	399	392	385	388	380	365	365	366	376	393	414	426	434	433	421	425	426	425	419	406	406	408	410	402
26	410	404	392	399	386	384	386	386	381	380	380	392	412	427	434	433	427	420	415	410	403	414	415	408	399	404
27	399	388	386	379	367	366	366	372	366	367	375	394	419	433	442	434	432	426	425	441	438	399	392	392	405	400
28	405	408	421	412	386	380	379	361	360	367	378	395	417	433	439	433	418	407	406	406	407	407	406	406	406	402
29 Q	406	404	406	406	401	392	384	378	380	392	404	413	433	445	452	446	433	420	412	412	412	412	410	408	400	411
30	400	400	406	408	419	405	394	394	388	386	399	413	425	433	439	433	426	420	414	413	400	407	406	406	406	410
31	406	400	400	400	399	388	380	385	385	399	406	412	422	432	427	426	426	414	414	408	400	399	406	408	408	406
Mean †	411	407	405	401	394	389	384	384	**379**	380	390	404	422	434	439	**441**	435	429	424	420	418	415	412	411	410	409

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333

† Mean of 30 days, 8th omitted.

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

294. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **July, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 D	890	886	886	890	890	890	890	890	886	878	870	869	867	876	888	885	889	893	894	894	894	895	894	890	886	886
2	885	880	877	884	888	889	893	896	893	890	888	883	881	884	890	897	907	914	914	910	906	901	898	893	893	**894**
3 Q	893	893	893	893	893	888	883	884	889	893	889	884	880	884	884	884	893	896	896	896	894	893	891	891	890	890
4	889	889	890	892	892	893	895	891	885	880	873	871	867	870	871	873	883	892	899	893	892	892	893	888	888	885
5	888	883	873	875	884	888	892	891	888	887	883	876	874	874	879	880	884	892	893	892	892	888	888	888	888	885
6	887	887	887	883	884	887	887	887	887	887	882	879	877	878	882	882	885	887	891	901	908	899	892	889	887	887
7 D	887	878	880	886	887	886	882	883	883	882	882	875	879	887	891	896	906	908	908	909	904	899	895	891	891	890
8	890	889	887	890	887	886	887	882	883	885	881	874	874	*	—	—	—	—	—	—	*	896	894	891	890	—
9	890	890	890	889	889	890	890	890	887	887	886	884	885	886	886	889	895	894	894	894	895	896	893	891	890	890
10 Q	889	889	889	889	892	893	892	889	885	877	863	860	864	871	880	886	889	893	893	890	890	889	889	889	888	885
11	888	889	889	889	890	892	890	889	889	889	889	889	886	880	877	885	898	902	898	893	893	896	893	890	889	890
12	888	888	885	881	883	885	882	875	871	868	870	872	870	879	886	892	898	902	902	900	897	896	892	891	888	886
13	888	888	889	890	891	891	888	885	885	881	879	878	882	885	888	888	888	892	891	892	891	891	892	889	884	887
14	883	878	879	878	878	881	883	887	891	891	887	882	878	879	882	886	884	887	892	895	891	888	887	887	887	885
15 Q	886	886	886	886	887	889	886	882	878	876	868	861	860	864	873	886	890	894	890	886	886	886	885	882	882	881
16 Q	882	882	882	883	885	886	886	882	877	874	871	867	868	868	869	874	881	880	880	882	882	878	877	877	874	878
17	873	863	864	870	872	873	872	847	850	855	853	855	854	856	864	882	895	902	905	898	891	883	880	880	880	873
18	880	880	881	881	881	881	881	881	880	873	872	869	868	873	876	876	881	885	885	885	885	881	880	880	880	879
19	879	878	876	879	880	880	878	877	875	872	871	871	867	863	863	863	878	896	898	892	887	884	880	876	876	878
20	875	875	876	877	877	873	869	870	869	863	858	854	849	854	861	871	880	893	892	898	892	887	881	877	863	874
21 D	862	861	865	869	873	877	875	871	874	873	860	856	857	862	865	870	880	882	882	882	882	869	851	852	841	868
22 D	840	842	771	656	656	740	688	678	761	812	833	834	846	890	919	937	984	922	932	937	918	899	877	881	885	**836**
23 D	884	886	885	885	885	885	885	885	888	889	884	888	880	883	888	890	893	901	905	898	894	896	883	868	875	888
24	874	875	872	867	867	866	874	882	883	883	879	874	871	875	887	890	887	887	887	888	892	894	891	884	883	881
25	882	880	874	874	874	870	869	875	877	874	869	866	869	872	873	878	878	886	887	886	887	887	887	879	872	877
26	871	868	872	873	873	877	881	881	881	869	855	855	856	860	865	873	875	881	881	889	889	885	879	865	847	873
27	846	851	860	867	868	876	879	880	877	872	864	855	846	851	863	870	875	879	889	902	902	898	887	877	876	873
28	875	875	872	865	867	875	872	875	878	878	874	871	867	866	871	876	879	883	883	879	879	879	879	879	879	875
29 Q	878	878	878	878	878	882	882	879	875	871	865	855	850	852	858	867	871	878	883	879	877	877	877	877	878	873
30	877	877	877	877	875	874	876	877	877	877	874	871	865	865	876	884	885	886	886	886	888	883	882	881	879	878
31	878	879	879	880	881	884	880	872	868	867	865	866	863	863	876	884	889	896	898	898	897	892	884	881	880	880
Mean †	880	878	876	873	874	878	876	874	876	876	872	869	**868**	872	878	883	890	893	**894**	894	893	889	885	882	880	880

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

295. Eskdalemuir. **July, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum		Range.	West Component. Maximum 4000 γ +		Minimum		Range.	Vertical Component. Maximum 44000 γ +		Minimum		Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$§.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			*a.*
1	16 57	1096	958	13 52	138	15 49	460	365	7 2	95	21 8	898	863	11 41	35	293	1	84·6
2	18 52	1109	1003	12 19	106	15 26	464	365	8 40	99	17 40	915	876	1 40	39	226	1	84·6
3	18 52	1078	1000	11 2	78	14 8	448	379	7 44	69	18 40	897	880	12 10	17	111	0	84·7
4	20 23	1082	1013	13 31	69	16 11	446	365	8 33	81	18 3	900	867	12 13	33	124	1	84·7
5	0 57	1092	1013	10 50	79	13 28	471	379	8 48	92	18 1	895	871	2 28	24	153	1	84·7
6	19 1	1114	1017	11 15	97	18 10	453	379	9 8	74	19 43	912	875	11 33	37	163	1	84·7
7	16 57	1083	989	11 46	94	15 18	459	371	8 32	88	18 41	911	874	11 15	37	179	1	84·7
8	18 17	1082	999	6 25	83	13 59	442	372	8 41	70	20 55	898	873	12 40	25	124	1	84·8
9	21 17	1078	1009	11 35	69	13 29	439	377	7 22	62	20 52	897	882	12 21	**15**	88	0	84·8
10	17 50	1083	1014	9 48	69	12 2	431	373	8 28 6 30	58	17 29	894	859	11 0	35	93	0	84·9
11	16 9	1083	1015	11 40	68	16 9	435	385	8 23	**50**	16 52	902	876	13 36	26	78	1	84·9
12	20 49	1075	1025	12 40	**50**	15 37	438	386	8 12	52	17 45	904	867	9 20	37	66	1	84·9
13	18 50	1087	1026	11 41	61	14 19	444	378	8 48	66	21 48	893	877	11 11	16	83	1	84·9
14	0 18	1079	1025	10 30	54	13 7	444	377	7 51	67	19 2	895	877	3 30	18	77	1	85·0
15	17 41	1068	1011	10 39	57	13 45	459	366	7 50	93	16 45	895	858	12 0	37	133	0	85·1
16	16 3	1076	1019	10 23	57	16 2	445	374	8 10	71	5 25	886	865	10 48	21	87	0	85·1
17	18 9	1082	1003	10 41	79	14 28	462	392	5 28	70	18 0	906	844	7 5	62	150	1	85·1
18	18 10	1076	1008	12 15	68	15 34	445	365	8 31	80	17 18	885	867	11 35	18	113	0	85·2
19	15 38	1106	1015	12 11	91	15 38	478	379	7 0	99	17 38	902	862	14 40	40	197	1	85·3
20	19 20	1113	999	11 39	114	15 32	451	373	7 46	78	18 51	900	849	11 50	51	217	1	85·3
21	21 12	1205	999	11 30	206	21 9	443	353	21 56	90	17 0	882	836	23 45	46	527	2	85·3
22	15 49	**1207**	**735**	Between 2 20 and 2 55	**472**	15 0	**520**	**201**	5 31	**319**	15 50	**1031**	**656**	Between 2.14 & 4.28 Between 6.4 & 6.40	**375**	4652	2	85·4
23	18 12	1078	921	10 56	157	16 58	442	353	10 32	89	17 50	906	866	23 0	40	342	1	85·4
24	17 42	1083	985	10 22	98	14 1	435	359	8 8	76	20 59	895	866	2 35	29	162	1	85·5
25	20 23	1076	1006	4 34	70	14 51	439	359	7 33	80	20 38	890	865	11 2	25	119	1	85·5
26	23 20	1114	1002	10 9	112	14 27	439	376	9 52	63	19 12	890	846	23 47	44	184	1	85·6
27	19 3	1096	987	9 58	109	13 39	446	362	7 45	84	20 23	906	845	12 9	61	227	1	85·6
28	19 2	1061	1002	11 52	59	14 30	440	353	8 2	87	17 48	884	863	3 12	21	115	1	85·7
29	22 57	1065	1010	11 29	55	14 6	453	373	7 21	80	18 10	883	849	12 8	34	106	0	85·7
30	19 45	1086	1016	10 59	70	13 43	444	380	9 6	64	19 51	890	864	12 29	26	97	1	85·7
31	17 42	1076	998	8 41	78	13 29	434	379	5 50	55	18 28	900	860	12 52	40	107	1	85·8
Mean	—	1093	994	—	99	—	450	366	—	84	—	901	857	—	44	303	0·84	8·51
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

† Mean of 30 days, 8th omitted. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.
* Burner sooted up. § For explanation *see* page 161.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

296. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **August, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1046	1047	1046	1046	1051	1052	1046	1041	1037	1031	1027	1027	1026	1027	1037	1065	1076	1062	1056	1071	1063	1051	1036	1036	1036	1046
2	1036	1037	1041	1048	1042	1046	1026	1036	1024	1021	1017	1022	1021	1018	1022	1016	1041	1030	1060	1068	1066	1058	1061	1062	1066	1039
3	1067	1072	1048	1047	1033	1044	1038	1034	1036	1023	1018	1010	1003	1018	1019	1027	1042	1045	1056	1058	1062	1054	1053	1047	1052	1039
4	1052	1047	1047	1051	1055	1052	1041	1044	1038	1029	1018	1003	1006	1019	1029	1048	1076	1067	1062	1062	1053	1052	1052	1067	1058	1045
5	1058	1048	1042	1044	1042	1046	1048	1044	1030	1018	1008	1008	1005	1022	1029	1041	1050	1085	1079	1072	1062	1048	1050	1058	1039	1043
6 Q	1040	1048	1044	1049	1043	1044	1044	1039	1034	1034	1029	1032	1027	1026	1030	1044	1048	1044	1052	1054	1062	1056	1053	1048	1048	1043
7 Q	1048	1048	1044	1044	1041	1048	1040	1043	1040	1026	1023	1017	1024	1027	1029	1039	1048	1049	1057	1054	1050	1050	1052	1050	1049	1041
8	1049	1049	1052	1050	1048	1043	1039	1036	1029	1022	1014	1019	1019	1024	1034	1039	1039	1054	1054	1063	1055	1049	1048	1046	1048	1041
9	1049	1046	1050	1054	1054	1059	1049	1031	1045	1044	1034	1025	1029	1034	1031	1044	1050	1053	1055	1055	1055	1053	1053	1053	1051	1046
10	1051	1050	1049	1052	1049	1044	1041	1044	1044	1037	1024	1019	1020	1030	1044	1039	1036	1053	1065	1068	1067	1056	1057	1053	1049	1045
11	1049	1049	1057	1050	1049	1050	1049	1037	1040	1035	1034	1026	1019	1017	1015	1021	1029	1051	1067	1059	1059	1059	1055	1054	1054	1043
12	1055	1057	1056	1055	1055	1061	1062	1055	1046	1041	1016	1005	1002	1011	1025	1036	1048	1046	1057	1061	1065	1061	1055	1051	1050	1045
13 Q	1050	1046	1047	1047	1050	1051	1049	1042	1033	1028	1021	1016	1020	1025	1026	1035	1045	1055	1060	1060	1060	1055	1057	1055	1051	1043
14	1051	1050	1050	1050	1046	1050	1051	1045	1036	1030	1020	1011	1007	1017	1024	1031	1045	1060	1070	1071	1067	1062	1060	1079	1057	1045
15	1058	1052	1056	1066	1062	1064	1063	1051	1036	1017	1001	1006	1008	1012	1031	1038	1046	1057	1066	1066	1064	1062	1063	1075	1076	**1047**
16	1076	1047	1062	1060	1061	1057	1049	1037	1017	1017	1013	1017	1019	1022	1031	1040	1042	1053	1061	1062	1059	1055	1056	1055	1056	1044
17	1056	1060	1055	1051	1048	1047	1046	1038	1027	1012	1002	1002	1011	1022	1037	1046	1052	1061	1057	1055	1059	1060	1058	1061	1057	1043
18	1057	1052	1056	1052	1047	1051	1047	1037	1027	1018	1007	1009	1022	1027	1032	1042	1047	1051	1053	1057	1057	1062	1056	1058	1056	1043
19 D	1057	1055	1049	1050	1052	1053	1056	1049	1041	1028	1013	1003	965	994	1032	1043	1047	1057	1067	1077	1081	1086	1072	1086	1063	1047
20 D	1063	1086	1092	1044	1043	1057	1058	970	1009	984	976	975	974	1014	1009	1028	1081	1086	1101	1077	1081	1087	1014	961	939	1034
21 D	939	804	877	946	978	989	1032	1028	958	979	959	970	1008	998	999	999	1008	1061	1103	1063	1033	1033	1028	1027	1018	**994**
22	1018	1014	1004	1008	1008	1012	1011	1005	995	979	984	989	999	1003	1023	1038	1057	1053	1043	1057	1049	1056	1038	1033	1030	1020
23	1031	1028	1026	1028	1029	1029	1029	1024	1013	1004	995	999	1001	1003	1013	1027	1039	1061	1048	1045	1047	1044	1053	1034	1038	1027
24	1038	1044	1035	1029	1038	1039	1034	1021	1006	991	984	985	996	1005	1015	1026	1033	1049	1048	1053	1049	1054	1048	1046	1044	1028
25 Q	1044	1039	1040	1040	1039	1038	1032	1020	1009	1004	998	1002	1009	1019	1021	1026	1039	1042	1040	1045	1048	1050	1047	1039	1041	1030
26 Q	1041	1051	1043	1043	1039	1035	1043	1038	1028	1013	1002	1002	1005	1010	1011	1025	1038	1044	1049	1055	1048	1046	1048	1052	1052	1034
27	1052	1048	1044	1044	1047	1048	1048	1044	1033	1019	1006	1001	1004	1014	1013	1029	1044	1056	1056	1059	1060	1058	1058	1053	1046	1039
28	1046	1044	1048	1049	1052	1048	1044	1035	1028	1024	1010	1004	1006	1018	1024	1033	1032	1038	1048	1054	1058	1058	1054	1053	1058	1038
29 D	1058	1063	1049	1047	1053	1054	1053	1052	1050	1029	1014	1025	1000	1000	1025	1014	1040	1059	1064	1073	1049	1039	1053	1027	1029	1041
30 D	1029	1038	1035	1037	1045	1036	1009	935	938	943	927	936	952	968	1009	1053	1034	1054	1024	1028	1034	1038	1040	1036	1031	1007
31	1032	1033	1035	1030	1040	1036	1030	1008	995	996	976	998	1018	1015	1014	1025	1036	1053	1065	1056	1049	1044	1038	1035	1035	1027
Mean	1045	1040	1041	1042	1043	1045	1042	1031	1023	1015	1005	**1005**	1007	1015	1024	1034	1045	1054	1059	**1060**	1057	1055	1051	1048	1044	1037

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

297. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **August, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	408	412	400	401	400	392	386	384	386	392	399	406	414	419	421	431	433	421	414	419	400	380	380	378	386	403
2	386	393	406	404	399	400	422	432	407	396	400	406	420	425	427	428	439	419	419	400	408	412	406	406	414	**411**
3	414	386	388	400	407	393	396	380	380	386	376	385	396	409	415	414	420	418	410	407	408	410	408	406	406	400
4	406	406	427	414	386	379	378	379	384	384	400	406	420	433	433	426	430	419	414	412	413	413	412	415	403	408
5	403	401	400	402	394	388	385	386	386	390	400	413	432	439	441	432	420	433	420	414	419	407	410	401	402	409
6Q	402	399	401	401	406	401	387	381	382	392	400	407	419	423	420	425	415	410	409	412	412	408	412	408	408	406
7Q	408	410	406	400	394	393	394	400	394	393	400	408	421	425	425	420	419	408	408	412	413	412	407	406	400	407
8	400	400	400	400	399	393	387	390	397	405	412	425	439	440	433	427	414	413	406	400	406	408	411	411	408	409
9	408	405	406	404	412	401	392	406	402	406	406	413	421	430	426	419	409	400	405	406	409	407	406	406	401	408
10	401	400	399	395	392	380	389	386	386	388	396	406	417	433	435	426	415	406	404	406	399	400	410	406	393	403
11	393	413	390	383	392	386	382	391	388	386	394	406	418	420	419	417	412	412	408	413	410	402	406	404	406	402
12	406	408	400	395	393	394	380	374	373	373	380	394	413	427	433	433	422	406	406	405	407	407	402	406	406	402
13Q	406	402	402	400	399	392	386	379	373	379	387	400	419	433	439	432	425	419	410	408	411	406	408	402	406	405
14	406	406	407	406	399	392	380	377	377	386	399	408	426	440	439	431	423	419	414	406	405	408	408	406	390	407
15	390	400	399	419	386	380	372	360	366	374	382	405	421	439	443	433	421	419	414	413	414	412	412	421	393	404
16	393	394	407	394	387	380	374	362	366	383	394	413	425	433	432	426	419	414	413	412	406	407	408	406	406	402
17	407	420	401	391	393	388	385	381	374	373	387	402	434	446	441	434	428	420	413	410	413	415	411	405	393	407
18	393	401	401	395	394	387	381	378	374	370	382	398	415	427	426	426	426	421	420	420	413	414	409	401	401	403
19D	401	401	400	400	395	387	382	374	374	380	387	400	420	460	457	448	436	425	424	428	427	427	418	399	386	410
20D	386	399	401	387	401	388	381	354	439	427	414	401	422	446	442	447	463	456	448	415	407	387	382	340	322	408
21D	322	202	287	244	347	348	354	361	308	327	381	400	413	415	420	415	415	432	401	393	395	406	398	395	401	**367**
22	401	407	407	400	387	375	369	368	361	360	381	394	415	431	423	421	407	402	402	400	405	391	404	401	401	396
23	401	409	407	401	395	387	379	371	368	373	382	400	420	432	433	426	416	405	401	401	405	403	406	397	401	401
24	401	400	381	381	387	383	374	363	362	369	388	403	424	428	426	415	407	401	400	405	401	395	400	401	402	396
25Q	402	395	399	394	389	384	376	369	367	378	394	414	427	430	421	409	405	401	401	407	407	403	389	395	407	398
26Q	407	411	401	394	387	387	382	375	369	368	381	400	415	432	427	420	415	407	401	405	407	407	407	407	403	400
27	403	401	399	394	393	387	381	377	369	375	381	402	427	448	442	428	420	413	407	408	408	407	401	395	400	403
28	400	408	394	388	384	381	375	373	376	381	398	415	429	440	433	420	411	407	407	407	405	407	407	402	407	402
29D	407	410	386	418	361	360	368	366	380	389	413	428	447	458	448	426	420	426	401	413	401	407	407	413	387	406
30D	388	382	384	388	390	406	444	421	427	417	415	402	408	414	415	390	395	415	388	409	409	409	395	389	403	404
31	403	382	382	388	376	377	378	379	381	389	402	410	415	422	422	417	408	395	406	403	384	395	388	401	402	396
Mean	398	396	396	393	391	386	384	380	**380**	384	394	405	421	**432**	431	425	420	415	409	409	407	406	404	401	398	403

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : VERTICAL COMPONENT.

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

298. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **August, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	879	878	876	876	880	882	879	876	879	876	874	872	868	871	872	882	894	910	910	906	905	893	879	854	863	882
2	862	870	871	862	870	879	875	857	858	862	866	865	858	865	870	879	887	897	898	900	892	883	879	878	873	875
3	872	853	852	836	835	848	857	866	872	870	874	869	866	868	871	877	879	885	886	887	885	882	878	878	874	869
4	872	868	859	847	853	863	868	870	869	868	864	862	863	867	876	885	886	891	893	889	881	879	877	867	856	871
5	855	858	866	870	875	879	875	873	871	866	866	863	863	867	881	892	893	905	914	907	894	888	880	866	866	878
6 Q	865	866	869	871	874	874	874	877	875	874	870	869	866	869	874	875	878	879	881	882	880	879	879	878	878	874
7 Q	877	874	874	874	878	881	880	878	878	874	869	866	864	865	873	878	878	882	882	881	878	878	878	878	878	876
8	877	877	877	877	877	880	879	877	880	877	872	869	869	869	873	885	888	893	897	894	890	885	881	881	880	880
9	878	878	876	875	874	866	867	865	860	859	857	857	858	865	875	879	883	883	878	873	875	875	875	875	877	871
10	876	878	877	877	878	878	878	874	874	872	869	862	861	866	874	886	892	894	892	888	887	885	879	879	879	878
11	878	868	860	864	872	877	877	877	873	873	873	869	864	868	873	877	882	882	885	890	892	890	882	879	878	876
12	876	873	870	871	871	870	870	870	867	867	875	871	867	871	875	883	889	893	888	883	880	880	880	880	879	876
13 Q	878	879	879	879	879	879	879	879	877	874	866	865	860	861	870	874	878	879	880	881	879	879	878	874	874	875
14	873	873	873	873	876	878	878	878	877	873	865	862	857	859	864	870	875	880	882	882	882	878	878	869	869	873
15	867	869	868	858	863	872	873	876	874	870	867	859	853	854	859	871	876	876	876	872	872	871	871	864	850	868
16	849	858	857	861	866	870	871	871	869	861	854	845	842	849	857	865	871	872	872	872	873	871	871	871	871	864
17	870	859	858	865	869	874	874	878	876	870	862	852	844	848	854	865	871	874	880	882	879	874	870	869	869	867
18	868	865	865	866	870	873	873	874	872	865	856	847	852	860	868	874	875	873	872	872	873	873	873	873	873	868
19 D	871	871	871	871	870	871	873	875	872	865	858	857	857	849	857	869	875	873	872	870	869	868	871	863	867	867
20 D	866	867	867	858	855	845	853	870	845	848	857	867	881	902	902	892	906	932	941	941	919	852	832	717	708	868
21 D	707	628	593	650	810	874	891	896	892	897	896	900	887	888	897	901	905	926	963	940	918	896	871	870	866	**857**
22	864	855	852	854	859	868	881	886	889	890	888	883	881	881	890	895	900	901	891	890	890	887	882	882	878	881
23	877	872	871	871	871	876	882	887	888	883	876	874	874	877	885	889	893	897	890	886	885	885	881	880	880	881
24	879	871	871	875	879	883	884	888	892	887	880	872	871	875	879	883	885	888	887	884	888	884	881	879	876	881
25 Q	874	877	878	880	881	882	882	885	882	877	873	869	859	861	873	878	881	882	881	877	877	878	882	880	877	877
26 Q	876	869	868	870	872	874	872	873	873	871	864	863	860	862	868	873	877	878	879	877	877	877	876	874	872	872
27	871	872	873	875	875	876	876	876	871	863	855	852	856	866	871	872	872	875	872	872	876	876	876	873	871
28	872	867	868	871	873	873	874	873	871	870	867	861	857	861	873	879	883	880	879	875	875	875	875	875	871	872
29 D	870	865	866	852	843	848	852	857	857	857	861	853	857	872	888	892	892	907	942	945	919	905	895	887	881	879
30 D	879	873	872	873	873	873	859	845	841	849	865	881	896	908	917	945	940	950	953	914	900	895	888	881	860	**890**
31	859	858	867	868	872	877	881	881	884	879	876	873	870	872	876	880	894	907	907	903	898	885	882	880	880	881
Mean	866	861	**859**	860	868	872	874	874	873	871	868	866	864	868	875	882	886	892	**894**	891	887	881	877	870	867	874

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

299. Eskdalemuir. **August, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			a.
1	15 8	1090	1017	22 41	73	16 2	443	366	22 41	77	17 31	914	846	22 40	68	159	1	85·8
2	19 37	1086	1002	15 20	84	16 8	447	380	0 20	67	19 01	901	853	07 10	48	138	1	85·9
3	0 43	1089	994	11 48	95	0 14	437	368	8 6	69	18 40	887	831	03 46	56	169	1	85·9
4	16 10	1092	1000	12 2	92	1 59	451	367	7 21	84	17 50	894	846	03 28	48	178	1	85·8
5	18 43	1102	994	11 26	108	13 56	453	378	7 29	75	17 58	918	854	00 05	64	214	1	86·0
6	20 22	1068	1019	13 9	49	14 51	427	378	7 53	49	18 35	883	865	00 01	**18**	51	0	86·1
7	18 0	1063	1013	10 59	50	12 30	428	386	9 2	**42**	17 08	882	861	12 29	21	47	0	86·1
8	18 39	1083	1010	10 3	73	12 47	452	380	5 40	72	17 56	898	868	11 32	30	114	1	86·1
9	18 8	1064	1022	11 10	**42**	12 40	433	386	6 18	47	16 30	883	857	09 38	26	46	1	86·2
10	19 49	1071	1015	11 18	56	14 3	440	378	5 21	62	16 54	895	860	11 48	35	82	1	86·2
11	18 36	1078	1011	13 43	67	0 56	425	380	6 14	45	19 30	895	859	01 40	36	78	1	86·3
12	5 22 18 29	1070	1000	12 0	70	14 0	434	366	8 18	68	16 41	894	866	08 20	28	103	0	86·3
13	22 23	1065	1012	11 13	53	14 12	440	372	7 50	68	18 53	882	859	12 42	23	80	0	86·4
14	23 0	1099	1006	12 0	93	13 25	443	374	7 22	69	19 23	886	856	12 01	30	143	1	86·4
15	23 23	1095	998	10 4	97	23 11	457	353	7 5 7 24	104	17 17	878	846	22 46	32	212	1	86·5
16	0 1	1073	1002	8 2	71	13 6	435	353	7 31	82	20 20	875	841	11 51	34	129	1	86·5
17	21 0	1071	1000	10 49	71	13 5	447	367	8 19	80	18 50	883	843	12 20	40	130	0	86·6
18	21 0	1064	1002	9 28	62	13 11	433	360	9 23	73	15 52	877	845	10 51	32	102	0	86·6
19	22 44	1093	930	12 8	163	13 19	466	364	23 21	102	16 00	876	845	12 49	31	379	1	86·6
20	20 27	1145	851	23 47	294	15 47	**474**	364	24 0	210	18 11	958	647	23 29	311	2273	2	86·7
21	17 55	**1236**	**653**	1 17	**583**	15 54	454	**83**	1 17	**371**	17 47	**979**	**<566**	between 01 15 and 01 58	**>413**	6481	2	86·7
22	19 28	1092	974	9 12	118	13 13	434	352	8 29	82	16 34	906	847	02 31	59	241	1	86·7
23	16 39	1073	990	9 45	83	13 44	435	367	8 12	68	16 53	898	867	01 28	31	125	1	86·8
24	20 48	1063	979	10 22	84	13 27	431	357	7 32	72	07 48	892	867	01 24	25	129	1	86·9
25	21 2	1054	996	10 12	58	13 18	434	363	7 32	71	07 20	886	857	12 18	29	92	0	86·9
26	19 4	1063	1000	10 42	63	13 25	434	367	8 48	67	18 11	879	859	12 20	20	89	0	86·9
27	22 11	1068	990	11 30	78	12 49	455	362	8 8	93	06 02	877	850	12 14	27	155	1	86·9
28	19 14	1059	1001	11 32	58	13 7	444	372	7 11	72	16 20	884	857	11 50	27	93	0	86·9
29	18 30	1105	965	13 6	140	13 12	473	344	4 49	129	18 22	953	830	03 32	123	514	2	86·9
30	17 30	1092	911	11 5	181	5 49	461	366	18 3	95	17 50	961	840	07 44	121	564	2	86·9
31	17 37	1079	966	10 9	113	0 1	429	368	20 22	61	17 24	912	844	00 20	68	211	1	86·9
Mean	—	1085	978	—	107	—	444	356	—	88	—	900	837	—	63	436	0·84	86·5
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* page 161. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

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

300. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **September, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1035	1037	1037	1035	1035	1025	1027	1029	1020	1007	997	1001	996	1008	1022	1065	1045	1074	1033	1035	1039	1043	1040	1046	1037	1031
2	1037	1039	1036	1036	1035	1040	1040	1032	1021	1006	986	976	987	1001	1016	1025	1034	1029	1045	1050	1050	1048	1047	1042	1041	1027
3	1041	1045	1045	1045	1045	1040	1036	1023	1016	1017	1011	993	996	1016	1020	1017	1018	1045	1059	1055	1056	1045	1040	1055	1053	1033
4D	1053	1055	1025	1040	1050	1044	1041	1018	976	973	971	982	991	1000	1007	1006	1030	1064	1064	1049	1059	1040	1065	1049	1055	1027
5	1055	1055	1036	1045	1047	1040	1027	1012	987	1006	1010	1000	996	1000	1006	1020	1031	1040	1045	1049	1049	1043	1042	1041	1045	1028
6D	1045	1041	1040	1040	1040	1038	1041	1040	1036	1030	1023	1015	1007	1008	1016	1041	1042	1067	1056	1069	1065	1066	1060	1056	1055	**1041**
7D	1055	1069	1069	1056	1059	1041	1042	1046	1020	1021	1006	1007	976	1014	1021	1003	1006	1025	1041	1055	1080	1045	1040	1045	1045	1035
8	1045	1042	1047	1040	1040	1045	1036	1022	1001	1002	1017	1014	1001	1017	1010	1029	1029	1036	1041	1050	1056	1056	1060	1059	1109	1034
9D	1110	1089	1048	1036	1033	1049	1047	1038	1031	1009	1001	1003	1016	1013	989	1022	1024	1026	1057	1078	1046	1025	1037	1036	1041	1035
10D	1041	1042	1033	1040	1028	1041	1033	1007	1012	1017	1011	1012	1017	1027	1039	1026	1036	1055	1046	1084	1036	1042	1096	1022	1024	1035
11	1024	1046	1037	1031	1032	1031	1026	1017	1022	1011	1003	998	997	1011	1012	1042	1049	1056	1072	1056	1041	1048	1071	1044	1036	1033
12	1036	1041	1041	1036	1036	1040	1031	1039	1031	1012	995	989	992	1007	1026	1031	1041	1052	1061	1051	1048	1051	1050	1051	1046	1033
13	1046	1046	1041	1041	1060	1026	1050	1039	1016	1006	1001	1002	999	1016	1017	1038	1050	1050	1053	1058	1071	1052	1057	1041	1036	1036
14	1036	1041	1040	1032	1041	1047	1031	1028	1018	1006	994	993	993	1002	1023	1040	1041	1047	1052	1054	1046	1063	1101	1036	1037	1034
15	1037	1036	1036	1043	1057	1041	1036	1041	1023	1016	988	997	1002	1017	1028	1027	1047	1051	1046	1047	1042	1047	1047	1050	1046	1034
16Q	1046	1041	1046	1045	1045	1045	1046	1042	1036	1022	1012	1007	1011	1012	1017	1028	1037	1042	1046	1051	1055	1046	1051	1046	1046	1036
17Q	1046	1056	1041	1047	1036	1041	1043	1042	1039	1031	1017	1008	1011	1014	1022	1018	1026	1036	1060	1051	1046	1042	1043	1044	1044	1036
18	1044	1042	1046	1047	1041	1040	1041	1042	1038	1031	1021	1017	1016	1016	1023	1027	1036	1033	1040	1049	1051	1057	1055	1043	1056	1038
19	1056	1055	1052	1053	1036	1041	1049	1051	1041	1032	1019	1007	1003	1006	1006	1022	1036	1042	1048	1052	1048	1046	1044	1046	1043	1037
20	1042	1041	1041	1045	1045	1045	1049	1051	1040	1036	1016	1016	1011	1015	1011	1035	1031	1031	1037	1052	1040	1045	1045	1044	1039	1036
21	1039	1044	1040	1040	1038	1040	1040	1035	1030	1030	1015	1005	1006	1011	1014	1021	1028	1037	1042	1045	1045	1053	1041	1042	1051	1033
22Q	1051	1045	1046	1045	1045	1045	1045	1043	1039	1030	1016	1006	1010	1016	1022	1030	1035	1035	1041	1050	1051	1041	1041	1046	1044	1036
23Q	1044	1045	1045	1045	1045	1045	1043	1036	1030	1021	1015	1015	1019	1024	1032	1041	1042	1045	1040	1046	1050	1051	1055	1049	1050	1039
24Q	1050	1050	1050	1054	1052	1051	1051	1045	1033	1021	1012	1006	1011	1012	1019	1024	1036	1038	1042	1046	1050	1046	1047	1049	1055	1037
25	1055	1055	1047	1046	1045	1045	1050	1052	1041	1031	1018	1008	1006	1007	1022	1022	1030	1045	1052	1071	1048	1050	1056	1089	1045	1041
26	1044	1059	1044	1025	1056	1064	1049	1044	1021	1010	991	975	991	1000	1010	1020	1026	1050	1039	1051	1049	1040	1048	1047	1039	1031
27	1039	1039	1039	1039	1042	1044	1044	1041	1033	1021	1009	1005	1009	1015	1023	1034	1034	1043	1044	1056	1045	1046	1049	1064	1038	1036
28	1038	1045	1044	1038	1031	1030	1044	1036	1029	996	980	982	990	1004	1016	1024	1016	1024	1050	1045	1043	1044	1049	1049	1048	**1027**
29	1048	1043	1063	1045	1049	1052	1054	1061	1046	1021	989	996	990	991	994	1010	1021	1029	1039	1035	1034	1039	1054	1050	1020	1031
30	1020	1053	1044	1049	1049	1042	1041	1045	1040	1024	1005	1005	1010	1011	1015	1031	1034	1039	1026	1024	1020	1021	1029	1039	1039	1030
Mean	1045	1048	1043	1042	1043	1042	1041	1037	1026	1017	1005	**1001**	1002	1010	1017	1027	1033	1043	1047	**1052**	1049	1046	1052	1047	1045	1034

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

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

301. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **September, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	402	402	408	395	396	415	421	396	388	389	402	421	434	447	441	421	402	388	388	401	406	400	401	396	401	**407**
2	401	394	396	382	383	382	375	369	368	376	394	409	428	428	429	421	403	397	403	409	409	409	408	403	401	399
3	401	395	382	384	387	383	382	387	396	395	408	415	422	428	421	414	403	403	408	407	390	402	398	391	392	400
4D	392	377	375	396	374	382	382	378	368	387	400	415	434	435	447	429	415	395	383	388	404	389	388	382	376	396
5	376	391	394	391	388	394	394	388	381	396	401	404	408	414	410	414	415	415	416	415	410	404	403	401	396	401
6D	396	394	394	394	390	389	388	382	376	376	380	394	413	421	426	431	427	442	435	430	427	421	409	408	402	406
7D	402	402	392	392	389	382	384	374	343	379	388	406	410	427	435	422	411	408	402	395	349	379	382	376	370	392
8	370	375	380	384	394	388	381	363	376	382	396	408	416	449	440	441	428	410	406	403	406	404	404	395	369	400
9D	369	349	334	358	369	378	382	375	374	388	415	427	433	439	427	425	417	404	396	341	351	368	368	414	429	**389**
10D	430	377	383	395	396	396	404	398	383	389	405	417	429	433	437	410	415	422	423	401	396	403	391	362	375	403
11	375	416	381	377	383	383	382	383	369	368	382	403	420	438	429	426	416	409	371	395	399	396	373	375	383	394
12	383	389	388	388	389	383	382	380	375	377	390	408	422	434	434	422	411	397	402	404	404	403	403	410	391	399
13	391	389	391	402	403	413	403	377	376	370	383	403	411	437	428	420	417	412	403	402	390	379	373	376	395	398
14	395	408	384	390	399	390	389	377	373	376	389	398	410	423	430	429	418	411	415	413	407	405	358	347	381	397
15	381	390	409	397	382	384	382	378	368	368	376	389	410	434	442	423	420	399	410	409	403	397	395	396	395	398
16Q	395	402	397	395	396	392	390	383	377	378	389	399	422	432	429	423	416	409	405	409	400	390	395	397	398	401
17Q	398	398	391	383	389	391	389	382	375	369	370	381	395	410	424	418	415	411	390	393	404	403	399	396	395	395
18	395	392	393	401	385	388	387	383	380	377	383	395	410	420	426	422	418	411	409	403	403	391	382	382	397	397
19	397	377	375	363	378	388	389	386	379	375	377	388	403	422	416	419	416	409	405	407	398	401	402	399	395	395
20	395	395	395	385	383	386	384	377	376	377	378	389	409	422	424	432	422	410	397	379	390	397	396	382	388	395
21	388	391	384	390	390	389	377	403	403	382	389	393	408	413	411	410	409	409	409	409	403	403	389	396	391	398
22Q	391	394	393	393	392	390	389	385	382	383	387	397	412	417	416	415	409	403	404	403	389	388	397	396	399	397
23Q	399	398	397	395	393	390	389	380	370	369	385	403	416	416	415	411	409	408	406	406	404	403	398	392	397	398
24Q	397	398	397	396	393	401	398	383	378	377	386	397	417	422	422	413	409	399	397	399	400	396	399	401	400	399
25	400	391	395	393	395	395	395	389	382	379	389	406	422	428	427	411	404	403	402	363	376	397	381	344	371	394
26	371	371	363	409	378	389	386	386	383	383	395	403	429	436	442	430	403	416	394	389	383	396	390	392	395	397
27	395	396	396	396	396	395	390	383	376	376	389	403	422	429	423	418	409	395	383	358	386	389	377	397	387	395
28	387	397	389	389	391	397	403	382	375	375	389	409	429	439	437	428	417	405	387	383	385	389	395	383	383	398
29	383	383	417	391	389	390	389	389	379	373	381	403	421	437	441	442	411	397	395	402	396	383	370	371	387	397
30	387	403	396	391	391	389	389	380	369	369	377	391	409	422	424	430	415	391	401	396	380	383	376	389	395	394
Mean	391	391	389	390	389	390	389	383	**377**	379	389	402	417	428	**428**	422	413	406	401	397	395	396	390	388	391	398

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

302. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **September, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	880	878	871	876	876	871	862	870	876	876	879	875	875	880	895	925	940	935	920	899	889	887	879	862	868	**886**
2	867	874	876	876	879	883	884	884	884	880	874	871	871	874	881	894	906	905	892	887	883	882	880	879	879	882
3	878	878	877	878	879	882	882	882	878	874	869	866	866	866	874	886	887	883	883	887	891	887	880	874	869	878
4D	868	860	848	843	854	864	868	872	875	875	873	878	878	891	896	918	932	951	944	917	896	891	877	873	868	885
5	867	858	863	872	876	874	868	871	871	871	875	875	872	872	876	880	881	881	881	880	880	881	881	881	880	875
6D	879	879	879	879	879	879	879	880	875	870	866	862	861	862	866	871	875	871	867	871	875	875	877	879	878	873
7D	878	871	858	856	844	844	854	861	866	859	855	854	858	853	862	875	875	878	880	886	893	879	876	870	857	866
8	857	845	848	861	865	867	871	875	872	862	853	853	853	859	871	875	876	876	875	873	872	871	871	872	855	865
9D	854	821	821	839	851	856	862	866	866	865	859	859	861	867	876	879	888	888	892	902	888	875	862	861	840	865
10D	840	829	844	843	842	851	854	862	869	866	860	857	859	870	882	900	901	893	888	890	893	872	834	843	856	865
11	856	843	857	866	870	872	874	871	867	866	866	866	863	866	874	881	893	897	902	893	888	882	873	862	867	873
12	867	870	866	870	875	875	879	879	875	868	866	866	864	867	871	880	884	888	888	884	881	879	879	871	870	875
13	870	871	875	875	866	861	857	868	869	869	860	859	861	866	874	880	884	893	893	888	882	879	875	865	862	872
14	862	857	865	871	870	867	874	879	879	875	871	871	874	875	876	879	880	882	879	879	880	878	862	852	857	872
15	858	862	842	849	858	862	866	867	872	872	867	871	874	872	877	885	890	894	886	881	882	881	880	880	878	872
16Q	878	876	876	876	876	876	876	879	877	875	872	867	863	862	867	872	876	880	878	876	880	881	876	876	876	875
17Q	877	869	869	872	873	873	876	877	877	873	872	869	868	872	877	885	886	891	891	891	886	883	881	881	881	878
18	881	881	879	873	872	873	877	877	877	873	873	872	868	868	868	872	877	877	878	881	881	881	881	880	868	876
19	869	865	864	858	864	869	873	874	874	873	869	864	864	864	865	869	872	874	878	878	882	882	882	879	880	871
20	880	878	878	878	878	878	875	874	874	870	873	870	869	869	869	870	879	891	896	899	892	887	884	884	880	879
21	881	878	878	878	878	879	882	877	868	866	863	861	861	863	865	870	872	874	875	878	879	876	880	879	874	873
22Q	874	875	875	875	875	875	875	876	875	870	864	859	856	857	861	866	871	874	874	875	878	879	878	875	875	871
23Q	876	876	876	876	876	876	877	879	879	875	867	862	862	866	870	871	871	871	870	871	871	871	871	873	871	872
24Q	872	872	872	871	870	867	867	870	871	868	863	863	862	867	871	872	874	877	877	876	876	875	872	871	868	871
25	869	868	868	868	868	868	868	868	868	867	862	859	859	863	869	877	876	876	876	881	875	871	870	850	851	868
26	851	848	858	810	833	846	856	863	866	863	863	861	861	864	868	880	887	885	887	885	881	877	874	869	871	**864**
27	872	873	873	873	873	873	873	873	874	870	868	865	866	870	873	874	877	878	883	887	880	877	875	861	849	873
28	850	849	856	863	866	864	860	869	870	870	868	862	860	864	873	881	888	892	891	884	882	878	874	872	866	871
29	867	864	850	849	853	857	859	861	864	866	866	865	866	870	877	897	910	906	902	892	888	885	871	856	846	872
30	846	848	861	866	866	868	870	871	871	866	865	860	858	859	860	866	879	897	894	893	896	888	883	879	875	872
Mean	867	**864**	864	865	867	868	870	873	873	870	867	865	864	867	873	881	886	**889**	887	885	883	880	875	870	867	873

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

303. Eskdalemuir. **September, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$§.	Magnetic Character of Day (0–2).	Temperature in Magnet House 20° +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ			
1	15 26	1148	11 50	971	177	12 51	455	16 51	357	98	15 22	943	22 58	858	85	482	1	86·9
2	19 48	1051	11 26	967	84	12 41	434	8 21	366	68	16 32	906	11 32	870	36	130	1	86·9
3	20 8	1069	11 16	977	92	13 0	435	20 0 / 22 26	375	60	20 0	892	12 51	865	27	128	1	87·0
4	18 42	1135	9 59	960	175	14 10	455	18 37	314	141	16 42	**957**	03 01	841	**116**	640	1	87·0
5	0 24	1070	8 0	976	94	16 9	421	8 7	368	53	15 48	881	01 24	856	25	123	1	87·1
6	16 44	1134	11 53	984	150	16 46	468	9 17	368	100	06 01	880	11 30	857	23	330	1	87·1
7	20 5	1123	11 36	960	163	14 40	443	8 6	309	134	19 50	902	04 26	839	63	485	1	87·1
8	23 35	1124	13 38	975	149	12 34	462	0 10	355	107	16 46	879	01 25	839	40	353	1	87·1
9	0 22	1138	14 3	963	175	13 33	448	**299**	19 0	**149**	18 59	907	01 18	816	91	611	1	87·2
10	21 50	**1223**	21 27	983	**240**	21 46	**475**	329	22 28	146	15 23	903	**798**	21 59	105	899	2	87·2
11	18 6	1095	11 39	991	104	13 26	450	353	17 47	97	18 04	902	839	00 46	63	242	1	87·1
12	17 23 / 17 48	1066	10 50	982	84	14 32	442	370	8 9	72	17 30	889	862	11 59	27	130	1	87·2
13	19 27	1090	11 35	988	102	13 10	446	363	8 39	83	17 34	897	856	05 47	41	190	1	87·2
14	21 37	1139	12 3	988	151	13 54	436	336	22 0	100	17 00	883	848	23 00	35	340	1	87·2
15	4 10	1066	10 23	968	98	13 39	449	356	8 20 / 9 10	93	17 00	894	840	02 03	54	212	1	87·2
16	21 32	1070	13 10 / 18 17	1001	69	12 35	444	369	7 40	75	20 58	884	862	12 30	22	109	0	87·3
17	18 23	1075	11 12	982	93	14 11	428	369	8 42	59	18 32	893	867	11 55	26	128	0	87·2
18	21 26	1070	13 20	1012	58	14 23	429	374	22 50	55	21 20	882	867	12 14	**15**	66	0	87·2
19	0 21	1065	13 35	993	72	13 0	428	356	3 12	72	20 50	882	856	02 48	26	110	1	87·2
20	19 1	1064	12 43	1003	61	15 9	440	362	18 32	78	18 30	905	869	12 00	36	111	1	87·2
21	20 36	1068	11 1	1001	67	13 24	417	372	6 20	45	06 15 / and / 22 32	883	860	11 12	23	70	1	87·2
22	19 25	1059	11 10	1005	54	12 55	419	381	8 32	**38**	21 00	879	856	12 20	23	49	0	87·2
23	22 30	1059	10 56	1011	**48**	12 40	420	369	8 30	51	08 11	880	861	11 50	19	53	0	87·2
24	23 57	1061	10 48	1001	60	13 54	428	372	8 59	56	17 00	877	859	11 48	18	71	0	87·1
25	22 38	1137	12 21	991	146	14 5	435	322	22 49	113	19 08	883	849	23 28	34	352	1	87·0
26	4 54	1079	11 20	**957**	122	14 12	448	337	2 3	111	16 15	890	805	02 50	85	344	1	87·0
27	23 10	1094	10 53	1001	93	12 41	434	348	18 11	86	19 11	890	847	24 00	43	179	1	86·9
28	18 15	1072	10 22	975	97	13 56	448	369	7 28	79	17 46	892	847	01 10	45	177	1	86·9
29	22 42	1079	12 23	967	112	15 1	450	344	22 36	106	16 00	911	843	02 20	68	284	1	86 9
30	1 5	1060	11 29	1001	59	13 27	436	364	8 15	72	17 09	898	843	00 02	55	117	1	86·9
Mean	—	1093	—	984	108	—	441	—	354	87	—	895	—	849	46	250	0·83	87·1
No. of Days used.	—	30	—	30	30	—	30	—	30	30	—	30	—	30	30	30	30	30

§ For explanation see page 161. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

304. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **October, 1927.**

Hour G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1Q	1037	1040	1037	1039	1034	1037	1037	1034	1027	1009	994	993	994	1003	1012	1023	1031	1037	1040	1046	1046	1046	1047	1047	1046	1029
2	1046	1046	1047	1037	1043	1048	1048	1047	1042	1019	1007	999	1007	1013	1022	1029	1037	1042	1042	1044	1047	1047	1035	1027	1032	1034
3	1032	1036	1066	1032	1033	1045	1032	1037	1035	1027	1007	1002	1000	1003	1008	1022	1028	1037	1042	1043	1047	1045	1039	1042	1043	1031
4Q	1043	1047	1051	1046	1042	1042	1047	1042	1037	1019	1008	998	1002	1009	1018	1027	1037	1041	1042	1042	1043	1043	1046	1046	1046	1034
5	1046	1046	1046	1047	1047	1048	1051	1051	1046	1037	1018	1003	1003	1008	1015	1028	1042	1042	1046	1051	1046	1085	1052	1052	1074	**1040**
6	1073	1044	1031	1032	1049	1046	1055	1050	1035	1012	1008	1017	1017	1017	1017	1026	1031	1036	1041	1041	1044	1045	1042	1041	1041	1035
7	1041	1040	1041	1037	1040	1042	1050	1047	1045	1024	987	1002	988	992	1012	1032	1006	1031	1033	1013	997	997	977	961	954	1016
8	954	948	1017	1042	1050	1031	1022	1011	997	969	979	989	1002	1002	1007	1017	1022	1026	1041	1041	1041	1046	1046	1046	1045	1016
9	1045	1042	1041	1039	1037	1037	1041	1041	1036	1027	1012	1006	1003	1007	1015	1027	1032	1032	1019	1036	1042	1063	1057	1050	1036	1033
10D	1035	1030	1027	1025	1030	1035	1037	1033	1030	996	983	978	986	982	997	1005	1030	1040	1041	1041	1035	1041	1074	1044	1021	1023
11	1021	1025	1021	1021	1024	1030	1035	1035	1027	969	972	976	981	997	1000	1009	1016	1022	1031	1033	1033	1032	1034	1031	1036	1016
12D	1036	1035	1031	1030	1035	1026	1021	1025	1016	992	976	907	1093	1105	1075	1086	1138	1119	1113	1011	1084	1040	981	967	956	1038
13D	956	981	976	985	982	986	975	993	996	986	986	976	972	952	997	1010	1055	1011	993	1002	1005	1011	1011	1015	1015	993
14	1015	1011	1011	1009	1006	1010	1021	1023	1012	1001	986	977	986	997	1005	1014	1016	1020	1023	1034	1022	1030	1032	1027	1021	1012
15	1020	1029	1025	1024	1028	1025	1025	1024	1019	1010	995	990	994	1001	1014	1018	1023	1024	1027	1032	1034	1034	1036	1059	1027	1021
16	1027	1029	1027	1029	1029	1033	1035	1036	1024	1019	1009	1001	1001	1004	1009	1019	1024	1030	1035	1036	1037	1039	1040	1035	1034	1025
17Q	1034	1034	1034	1035	1037	1039	1040	1034	1024	1009	996	991	993	1004	1014	1022	1025	1032	1035	1034	1039	1035	1035	1039	1039	1026
18	1039	1036	1040	1035	1038	1039	1039	1034	1029	1019	1005	1000	999	1005	1014	1020	1029	1034	1039	1039	1040	1040	1054	1035	1039	1029
19	1038	1039	1039	1042	1039	1038	1038	1038	1037	1019	1011	1006	1003	1011	1014	1023	1033	1038	1042	1043	1038	1041	1040	1042	1039	1031
20	1039	1036	1038	1039	1039	1043	1038	1038	1033	1023	1014	1009	1008	1014	1023	1026	1026	1038	1027	1033	1054	1039	1038	1041	1041	1032
21Q	1041	1041	1043	1042	1043	1043	1043	1042	1038	1031	1023	1019	1019	1019	1027	1036	1038	1034	1038	1042	1043	1043	1043	1044	1043	1037
22D	1043	1043	1044	1043	1043	1043	1042	1019	976	1043	984	935	938	1004	1001	999	995	1001	1009	1014	1019	1015	1014	1019	1038	1012
23D	1037	1031	997	964	934	900	870	883	925	936	987	964	983	993	1003	1012	1008	1023	1042	1022	1014	1031	1008	1012	1013	**982**
24	1013	1008	1032	1028	1019	1027	1024	1018	1014	994	985	985	998	1003	1004	1012	1022	1021	1022	1011	1008	1022	1018	1022	1018	1013
25	1018	1022	1022	1023	1021	1029	1035	1028	1027	1016	1007	1003	1004	1004	1021	1023	1027	1023	1026	1032	1027	1008	1003	1018	1023	1020
26	1023	1027	1030	1022	1037	1031	1038	1028	1008	1000	1007	1003	1003	998	1031	1031	1032	1032	1027	1035	1037	1033	1032	1040	1042	1025
27	1042	1033	1034	1029	1032	1032	1030	1028	1024	1013	1004	1008	1013	1018	1022	1023	1027	1030	1033	1029	1032	1037	1037	1037	1033	1027
28	1032	1029	1033	1036	1037	1026	1036	1031	1026	1022	1017	1013	1014	1017	1022	1026	1026	1036	1036	1036	1041	1040	1038	1038	1030	
29	1038	1036	1036	1037	1036	1041	1041	1039	1033	1026	1017	1012	1007	1015	1018	1027	1031	1037	1041	1043	1046	1051	1017	1032	1038	1032
30	1038	1036	1046	1027	1041	1046	1042	1036	1033	1026	1016	1007	1011	1017	1023	1026	1027	1041	1036	1036	1037	1031	1046	1036	1031	1032
31Q	1031	1032	1033	1036	1039	1040	1045	1041	1033	1026	1017	1016	1017	1021	1022	1027	1031	1036	1041	1041	1042	1042	1045	1041	1036	1033
Mean	1030	1029	1032	1029	1030	1030	1030	1028	1022	1010	1001	**993**	1001	1008	1016	1023	1030	1034	1036	1033	1036	**1037**	1033	1032	1030	1024

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

305. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **October, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1Q	395	399	395	396	399	392	384	376	369	369	381	389	409	420	419	413	403	395	394	389	393	396	397	396	395	395
2	395	397	402	396	399	395	389	382	376	370	382	392	412	422	422	409	408	399	369	385	395	374	318	323	344	387
3	344	396	369	367	387	389	403	382	370	365	374	383	402	412	413	412	402	394	392	394	382	382	388	395	395	388
4Q	395	395	385	389	394	396	389	385	371	364	375	389	403	409	409	408	402	400	401	399	397	395	395	395	395	393
5	395	395	395	395	395	395	390	382	370	369	376	395	414	425	425	425	428	428	421	411	401	343	369	360	319	394
6	319	344	356	409	361	375	381	382	382	403	415	411	422	428	422	418	403	396	396	397	397	396	395	395	395	393
7	395	395	393	392	395	389	389	391	385	384	376	401	416	428	422	421	409	403	370	362	347	296	290	277	296	**378**
8	295	328	322	383	398	396	408	391	394	394	404	414	418	415	409	408	402	395	396	394	392	397	394	394	392	391
9	392	388	388	388	388	388	387	380	369	364	368	381	394	402	408	414	414	415	419	402	398	414	394	381	369	393
10D	369	381	384	388	387	388	387	375	363	361	381	388	412	414	432	435	415	414	408	375	371	361	365	368	377	389
11	377	385	388	389	389	389	388	381	369	369	375	388	407	414	407	405	397	392	388	387	387	388	388	388	388	389
12D	388	391	401	414	388	393	402	401	376	363	361	224	363	448	480	474	460	454	387	375	295	350	374	348	369	388
13D	369	367	380	381	371	367	369	364	365	357	362	373	396	414	449	447	417	414	402	395	387	381	380	381	381	387
14	381	384	388	381	381	388	382	381	371	362	367	375	391	407	408	403	396	394	394	381	387	391	394	372	381	386
15	381	375	370	381	385	383	384	383	381	377	383	397	408	414	415	408	401	399	394	388	390	391	389	375	365	389
16	365	385	383	383	387	384	385	381	375	374	375	388	404	412	413	409	407	400	383	389	394	394	385	388	390	390
17Q	390	384	383	387	389	388	382	376	370	367	380	394	407	421	415	414	402	398	394	389	388	390	391	392	390	391
18	390	394	400	386	387	387	383	381	374	368	374	387	400	408	414	408	402	399	394	394	394	390	374	375	381	390
19	380	376	380	378	380	380	381	380	374	368	380	399	413	420	420	407	406	401	400	397	369	388	392	392	387	390
20	387	388	387	391	388	385	385	381	380	380	387	407	413	413	407	401	387	393	393	397	374	381	393	391	390	391
21Q	390	393	388	387	387	386	386	381	380	374	382	393	407	403	406	406	401	400	399	399	394	392	393	393	388	392
22D	388	393	387	383	386	380	380	420	447	400	387	418	434	446	427	395	382	381	381	374	380	378	380	380	399	396
23D	399	453	453	507	487	459	539	408	387	394	387	406	407	406	387	386	373	374	341	360	368	349	341	360	386	**405**
24	386	375	357	346	370	381	374	371	372	372	387	399	413	413	407	390	389	386	381	374	381	356	347	359	374	378
25	374	380	382	382	388	383	381	380	380	375	385	395	406	401	404	394	386	368	373	383	342	347	334	365	381	379
26	381	391	387	394	420	414	393	387	387	386	387	401	413	400	408	400	393	388	373	362	370	384	384	394	391	392
27	391	380	375	382	385	385	385	380	378	377	385	400	407	407	407	399	395	392	376	387	378	380	379	381	383	387
28	383	387	387	384	379	385	387	380	374	376	382	393	400	402	401	394	387	393	393	393	389	380	386	387	386	388
29	386	387	395	385	387	387	385	382	379	374	381	393	399	407	403	400	399	399	399	400	395	341	349	381	387	387
30	387	382	380	380	371	368	378	380	380	374	380	393	407	407	413	402	397	387	395	393	387	381	360	367	375	385
31Q	375	386	393	385	381	386	382	384	383	381	394	395	407	409	407	401	398	396	395	393	392	387	385	382	383	391
Mean	379	386	385	390	390	389	391	383	378	375	381	389	407	414	**415**	410	402	398	390	388	381	377	**374**	375	378	389

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

306. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **October, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	876	872	872	871	870	871	873	875	875	871	863	857	854	854	858	863	868	872	871	872	869	867	866	866	866	868
2	867	867	863	863	856	859	863	867	867	866	863	859	854	858	865	871	873	876	885	881	873	872	859	834	840	864
3	840	828	800	823	845	852	853	860	866	865	863	858	854	853	856	865	871	872	871	870	871	869	868	865	864	856
4 Q	865	863	863	863	863	862	861	866	868	868	860	856	856	859	862	866	868	869	868	868	868	868	868	868	866	864
5	866	865	864	864	864	864	864	867	868	864	864	859	858	855	859	863	867	868	868	873	882	881	863	856	838	865
6	839	834	833	807	822	847	855	859	863	860	860	860	855	856	860	865	869	869	865	865	865	866	868	868	868	855
7	868	865	864	864	860	860	860	862	864	864	868	866	866	869	895	913	897	887	900	900	892	873	834	804	775	869
8	776	720	715	751	746	777	811	840	856	869	878	885	893	900	898	891	887	879	874	873	873	870	870	872	871	**844**
9	871	870	869	869	868	867	867	870	873	873	869	867	865	865	865	867	873	878	881	878	877	873	876	877	869	871
10 D	870	870	870	867	866	866	866	869	870	862	865	869	879	894	892	896	918	913	904	905	889	881	860	843	860	878
11	860	865	869	870	870	869	870	870	873	875	869	869	865	865	870	872	878	879	878	875	874	871	871	871	871	871
12 D	872	871	867	855	858	862	862	866	871	875	873	896	901	1015	1033	1098	1155	1156	1135	950	949	950	901	797	757	**934**
13 D	758	850	850	867	884	889	888	886	889	894	897	901	903	908	928	924	946	936	923	903	896	891	891	889	888	894
14	888	884	881	884	881	874	876	880	885	889	885	882	880	880	882	884	886	887	885	887	887	884	876	876	880	882
15	881	879	880	881	881	881	881	882	885	883	881	879	879	880	881	885	888	887	885	883	881	880	878	871	865	881
16	866	865	872	877	877	877	877	881	883	883	882	877	874	874	876	877	881	882	884	882	881	878	877	877	877	878
17 Q	877	877	877	877	874	872	873	877	877	877	873	869	871	872	873	877	880	878	877	878	877	877	876	874	873	875
18	874	874	869	869	870	873	873	876	879	878	876	873	870	870	872	874	876	875	874	874	874	874	870	870	870	873
19	870	868	866	865	865	865	867	869	870	870	870	866	863	865	869	870	870	870	870	873	883	870	870	870	870	869
20	871	870	870	870	870	870	870	869	868	866	862	860	864	866	870	875	881	879	879	879	879	873	872	871	870	871
21 Q	870	870	870	870	868	869	868	868	867	865	862	862	863	867	869	871	873	871	870	871	871	871	870	870	869	869
22 D	870	867	867	867	867	867	867	863	841	836	846	860	889	884	902	894	889	884	879	880	879	879	876	867	845	871
23 D	845	798	746	720	711	728	738	791	841	860	897	911	898	900	909	914	914	902	895	883	882	870	845	854	849	844
24	850	828	823	821	816	824	846	863	870	872	872	872	875	881	889	895	894	887	886	892	889	879	868	863	869	865
25	870	873	873	873	873	870	870	873	873	875	873	873	877	879	878	882	882	886	887	882	884	873	858	849	856	874
26	856	860	862	858	839	839	846	856	864	871	869	868	870	883	886	886	886	884	885	882	878	873	873	870	849	868
27	850	857	865	869	869	870	870	873	874	874	870	870	875	877	877	882	880	882	882	880	881	874	874	874	873	873
28	873	870	869	869	869	869	869	869	870	869	866	866	868	869	874	878	879	876	874	873	873	872	870	869	869	871
29	870	871	870	870	870	870	870	870	870	870	863	862	866	867	868	870	870	870	868	870	870	879	881	871	870	870
30	870	870	862	850	849	853	858	861	866	871	870	869	867	870	875	877	878	879	875	875	879	880	878	871	871	869
31 Q	872	871	871	870	871	871	868	868	871	872	871	871	871	872	872	874	874	872	872	872	871	872	872	872	872	871
Mean	860	858	**855**	855	**855**	858	861	866	870	871	870	871	872	878	883	888	**892**	890	889	882	881	877	870	863	859	871

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

307. Eskdalemuir. **October, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure $\frac{\Sigma R^2}{10c\gamma^2}$ §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			a.
1	20 6	1050	992	11 16	58	13 14	422	367	9 7	55	00 01 and 07 10	876	853	11 30	23	69	0	86·9
2	20 44	1057	997	11 4	60	13 28	436	303	22 32	133	18 12	889	831	22 30	58	247	1	86·8
3	2 0	1072	999	12 10	73	1 12	434	345	0 1	89	16 45	872	797	02 18	75	189	1	86·8
4	1 43	1053	993	11 18	60	14 0	414	362	8 40	52	16 40	869	855	11 04	14	65	0	86·8
5	20 51	1130	1001	11 2	129	15 45	429	290	20 44	139	20 46	896	837	24 00	59	394	1	86·8
6	0 7	1089	1002	10 0	87	2 59	435	310	0 3	125	16 32	871	798	03 12	73	285	1	86·8
7	14 16	1064	880	23 32	184	13 22	453	257	22 46	196	14 34	922	756	23 43	166	998	2	86·8
8	2 5	1066	889	0 54	177	12 23	421	268	0 20	153	13 18	903	**673**	01 35	230	1076	2	86·8
9	20 36	1110	1002	12 21	108	20 35	433	360	23 40	73	18 21	882	864	14 25	18	173	1	86·8
10	22 15	1099	925	9 10	174	14 57	452	315	8 27	137	16 09	924	837	22 50	89	570	2	86·7
11	8 8	1041	933	9 14	108	13 17	421	354	8 46	67	17 00	880	861	00 01	19	165	1	86·7
12	12 48	**1280**	800	10 51	**480**	15 40	553	**140**	10 51	**413**	Bet. 15 32 and 18 10	**1156**	714	23 51	**442**	5963	2	86·7
13	12 53	1102	918	12 29	184	14 7	499	302	9 3	197	15 50	955	744	00 01	211	1172	2	86·7
14	19 13	1047	972	10 50	75	13 33	414	354	19 6	60	08 55	889	872	22 28	17	95	1	86·7
15	22 48	1090	986	11 41	104	13 59	420	359	24 0	61	16 02	889	864	23 52	25	152	1	86·6
16	21 10	1049	999	11 34	50	13 7	415	359	0 1	56	18 15	886	864	00 50	22	61	0	86·5
17	19 48	1044	990	11 29	54	13 2	427	363	8 11	64	16 03	881	869	11 21	12	72	0	86·5
18	21 40	1068	997	11 50	71	13 45	416	367	8 42 21 32	49	08 32	879	866	02 18	13	76	1	86·5
19	20 21	1071	998	12 3	73	13 39	426	351	19 43	75	20 08	887	863	12 18	24	115	1	86·5
20	20 17	1094	999	11 35	95	12 30	420	341	20 10	79	16 20	883	859	10 25	24	158	1	86·5
21	23 13	1048	1014	13 10	**34**	12 20	414	374	8 40	40	16 10	874	861	11 05	13	29	0	86·4
22	6 40	1143	**730**	7 30	413	7 25	498	288	8 50	210	14 08	910	824	08 38	86	2221	2	86·4
23	21 11	1100	790	6 5	310	6 15	**573**	306	18 3	267	10 50	919	693	03 54	226	2185	2	86·4
24	20 58	1052	979	10 49	73	12 56	417	328	21 50	89	15 12	897	812	04 17	85	205	1	86·4
25	5 33	1037	983	21 50	54	12 7	407	307	22 11	100	17 35	890	847	22 48	43	148	1	86·4
26	19 26	1062	984	13 1	78	3 41	440	334	19 18	106	13 24	890	837	04 09	53	201	1	86·4
27	20 32	1062	1003	10 47	59	12 29	413	372	17 56	41	17 38	883	848	00 10	35	64	1	86·3
28	21 10	1051	1012	10 48	39	13 52	407	369	8 59	**38**	15 33	882	866	11 02	16	32	0	86·3
29	21 23	1061	1002	11 38	59	12 45	412	307	21 19	105	21 51	884	862	10 59	22	150	1	86·3
30	22 5	1070	1000	11 11	70	13 44	420	335	21 59	85	20 57	883	845	02 33	38	136	1	86·3
31	21 58	1051	986	10 35	65	12 58	412	374	0 1	**38**	15 30	875	868	02 30	**7**	57	0	86·3
Mean	—	1078	960	—	118	—	437	328	—	109	—	899	827	—	72	565	1·00	86·6
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* page 161. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

308. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **November, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1036	1036	1037	1039	1041	1046	1045	1041	1032	1023	1012	1012	1016	1021	1027	1032	1034	1041	1041	1043	1045	1045	1043	1041	1041	1035
2 Q	1040	1040	1039	1040	1044	1045	1045	1043	1039	1031	1016	1011	1011	1016	1021	1026	1033	1038	1039	1043	1044	1045	1044	1039	1039	1035
3	1039	1040	1040	1040	1044	1044	1045	1046	1044	1031	1025	1020	1024	1027	1031	1035	1036	1039	1035	1038	1041	1044	1044	1043	1040	1037
4	1040	1041	1040	1039	1040	1040	1041	1040	1037	1031	1020	1016	1017	1020	1023	1026	1037	1040	1044	1044	1044	1026	1022	1031	1034	1033
5	1034	1035	1033	1035	1035	1037	1039	1039	1037	1032	1029	1030	1030	1030	1034	1039	1041	1040	1044	1045	1045	1045	1045	1044	1041	1038
6	1040	1040	1040	1042	0143	1044	1044	1044	1039	1030	1019	1015	1015	1019	1023	1029	1034	1040	1045	1044	1045	1047	1048	1048	1046	1037
7 Q	1046	1048	1048	1046	1047	1048	1049	1045	1040	1031	1015	1010	1011	1020	1029	1035	1039	1044	1044	1048	1048	1047	1044	1044	1044	1039
8	1044	1043	1044	1044	1048	1051	1063	1058	1039	1039	1029	1020	1019	1020	1025	1030	1035	1038	1043	1044	1045	1044	1044	1043	1044	1040
9	1044	1040	1039	1040	1041	1048	1049	1049	1044	1036	1034	1022	1025	1029	1036	1037	1041	1045	1045	1045	1053	1050	1052	1050	1049	1042
10	1048	1047	1047	1048	1048	1048	1048	1043	1041	1032	1014	1010	1013	1014	1023	1029	1034	1038	1042	1041	1039	1043	1042	1043	1042	1036
11	1042	1043	1044	1044	1047	1043	1047	1047	1039	1033	1028	1023	1018	1019	1023	1028	1029	1034	1036	1038	1042	1043	1040	1044	1038	1036
12	1038	1038	1043	1042	1047	1045	1043	1047	1037	1024	1022	1018	1014	1014	1019	1021	1019	1022	1033	1038	1033	1041	1042	1043	1043	1033
13	1042	1042	1057	1039	1041	1041	1036	1038	1036	1030	1022	1015	1013	1022	1024	1024	1027	1033	1037	1040	1041	1038	1037	1041	1041	1034
14 Q	1041	1046	1043	1041	1042	1045	1046	1045	1041	1034	1028	1022	1022	1023	1028	1032	1036	1042	1042	1045	1046	1046	1042	1042	1042	1038
15	1042	1042	1042	1043	1046	1046	1046	1046	1042	1036	1025	1022	1017	1019	1026	1031	1035	1038	1041	1044	1045	1044	1043	1043	1042	1038
16	1041	1041	1040	1040	1041	1043	1046	1046	1046	1041	1031	1026	1027	1031	1033	1032	1034	1037	1041	1046	1050	1053	1047	1046	1047	1040
17	1047	1041	1039	1040	1042	1046	1046	1043	1040	1036	1030	1026	1026	1030	1032	1035	1040	1045	1046	1047	1046	1050	1047	1046	1046	1040
18 D	1046	1046	1045	1046	1046	1056	1060	1061	1064	1056	1034	1036	1039	1032	1012	1022	1026	1016	1002	991	1003	1007	1012	1011	1012	1031
19 D	1011	1020	1017	1020	1023	1016	1021	1029	1020	1015	1011	1015	1015	1015	1016	1021	1028	1021	1031	1032	1041	1038	1040	1035	1040	**1024**
20	1040	1035	1026	1028	1024	1035	1036	1036	1036	1035	1007	1015	1020	1011	1011	1020	1018	1015	1019	1025	1030	1035	1045	1038	1035	1027
21 D	1035	1034	1030	1035	1035	1039	1040	1040	1036	1032	1030	1020	1015	1016	1014	1017	1025	1026	1025	1017	1025	1037	1033	1038	1038	1029
22 Q	1037	1034	1034	1036	1036	1038	1038	1038	1034	1030	1024	1020	1020	1022	1025	1025	1026	1031	1032	1030	1033	1032	1035	1039	1042	1031
23	1042	1042	1037	1038	1039	1041	1039	1041	1041	1032	1019	1014	1019	1024	1029	1030	1033	1035	1039	1037	1040	1039	1041	1040	1049	1035
24	1049	1044	1044	1043	1046	1046	1048	1048	1043	1038	1019	1017	1022	1029	1024	1017	1029	1029	1025	1031	1039	1037	1048	1039	1039	1035
25 Q	1038	1038	1038	1039	1042	1043	1044	1043	1043	1038	1029	1024	1023	1027	1031	1033	1038	1041	1043	1044	1044	1043	1043	1043	1043	1038
26	1043	1043	1043	1044	1044	1046	1047	1044	1043	1038	1033	1029	1030	1034	1041	1042	1047	1052	1048	1046	1051	1049	1048	1044	1043	**1043**
27	1043	1038	1043	1043	1047	1047	1048	1049	1044	1039	1034	1033	1033	1036	1038	1039	1043	1048	1049	1035	1028	1035	1038	1039	1038	1040
28	1037	1036	1037	1037	1040	1042	1043	1043	1042	1038	1032	1030	1030	1032	1037	1037	1042	1046	1051	1047	1047	1047	1042	1043	1043	1040
29 D	1043	1041	1043	1047	1046	1047	1049	1047	1046	1041	1036	1031	1028	1032	1030	1020	1014	1012	1014	1013	1022	1025	1021	1023	1027	1032
30 D	1027	1027	1015	1027	1023	1031	1052	1038	1025	1022	1012	990	1005	1020	1023	1027	1032	1036	1038	1037	1042	1032	1030	1036	1037	1027
Mean.	1040	1039	1039	1039	1041	1043	**1045**	1044	1040	1033	1024	**1020**	1021	1023	1026	1029	1033	1035	1037	1037	1040	1040	1040	1040	1040	1035

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

309. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **November, 1927.**

Hour G.M.T.	0	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	384	384	392	387	387	387	387	382	380	374	380	391	400	404	403	400	396	394	394	393	391	388	387	387	387	390
2Q	386	385	385	386	387	387	386	385	379	373	374	381	393	399	399	397	393	392	389	390	389	389	386	380	383	387
3	383	385	381	385	383	382	381	382	380	376	383	393	400	401	403	395	393	392	386	387	391	392	388	387	386	388
4	386	386	385	384	385	385	385	381	379	376	379	392	403	407	405	399	399	396	393	393	366	370	370	370	373	386
5	373	372	379	385	385	385	385	385	381	379	387	399	402	401	399	399	399	395	397	393	392	392	391	391	391	390
6	391	392	389	392	390	389	387	386	381	379	378	387	399	400	399	399	393	393	393	390	389	387	387	387	389	390
7Q	389	389	387	387	387	387	386	383	379	372	374	385	399	406	406	400	399	398	393	393	391	387	387	387	387	390
8	387	388	391	391	390	387	383	385	380	381	385	393	401	403	402	401	400	399	394	392	390	385	385	386	386	391
9	386	386	385	385	385	380	379	379	379	376	381	388	400	401	403	398	398	399	394	392	393	387	389	389	389	389
10	389	390	392	393	392	391	387	385	380	373	374	387	399	400	399	395	392	387	390	387	385	385	379	380	385	388
11	385	387	387	389	388	390	385	381	379	374	381	393	401	406	405	399	394	393	387	385	386	385	385	366	368	388
12	368	378	381	387	383	385	386	380	381	376	386	399	407	412	418	413	412	407	399	393	389	381	381	381	385	**391**
13	385	373	364	359	361	368	374	379	379	376	379	387	393	399	399	393	393	393	393	389	390	386	385	384	385	383
14Q	385	387	385	380	385	385	383	381	379	374	379	386	392	395	399	399	398	395	393	393	392	387	386	386	387	388
15	387	386	387	387	388	387	386	385	381	379	376	387	393	395	399	399	394	393	393	385	387	387	386	386	385	388
16	385	383	383	385	386	386	386	385	380	379	381	388	396	399	399	399	399	399	398	397	393	393	389	387	377	390
17	377	379	376	370	374	381	383	383	383	383	387	393	393	399	399	393	397	393	393	393	392	392	389	387	387	387
18D	387	387	387	387	388	393	393	390	392	393	399	406	406	419	419	401	406	379	333	335	336	332	307	307	360	**378**
19D	360	379	381	385	383	395	385	386	379	386	387	387	389	393	395	393	392	387	386	386	366	365	375	374	373	383
20	373	379	382	373	382	381	383	379	379	380	379	385	386	395	393	385	392	388	381	379	373	378	372	374	377	381
21D	377	381	394	386	385	386	385	382	380	379	381	387	392	397	393	396	393	392	386	385	368	376	373	383	385	385
22Q	385	386	386	386	387	386	385	382	379	378	379	386	393	393	393	390	387	389	387	385	381	379	379	379	379	385
23	379	379	385	387	387	386	385	381	379	379	385	389	394	399	396	393	387	386	386	386	385	385	385	385	386	386
24	379	379	380	385	386	385	381	385	381	380	378	386	396	410	407	405	397	393	393	387	380	378	360	367	373	386
25Q	373	381	385	385	385	385	383	385	381	379	379	389	397	401	401	394	393	393	390	387	386	386	385	385	385	387
26	385	386	387	387	387	387	386	385	382	380	385	393	398	399	399	394	395	398	398	391	392	387	386	370	379	389
27	379	379	385	387	388	387	386	386	383	380	381	387	393	394	393	393	393	393	393	388	383	373	376	381	381	386
28	381	384	383	385	386	385	383	381	380	380	385	391	393	395	397	395	393	393	393	389	386	386	382	385	385	387
29D	385	385	387	387	387	387	386	385	383	382	385	388	393	399	399	412	420	413	393	373	374	370	360	353	360	386
30D	360	346	331	353	354	376	385	393	393	399	399	405	413	399	400	399	393	390	391	387	387	382	366	379	379	383
Mean.	381	382	383	383	384	385	385	384	381	379	382	390	397	401	**401**	398	396	394	390	387	383	38**2**	379	**378**	381	387

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

310. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **November, 1927.**

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Noon.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	873	872	872	871	872	872	872	873	876	876	873	872	872	872	873	873	872	873	872	871	871	870	870	870	869	872
2 Q	870	870	870	869	869	869	869	870	873	873	873	870	869	869	871	874	873	874	873	873	872	870	870	873	870	871
3	870	869	869	869	869	869	868	868	868	871	868	865	864	865	867	869	870	873	873	873	870	869	869	869	869	869
4	870	869	869	869	869	869	869	869	870	870	866	864	862	866	870	870	870	870	870	869	874	878	877	876	875	870
5	875	874	873	870	870	870	870	869	870	870	870	866	866	870	870	870	870	870	868	867	867	867	867	867	866	869
6	867	867	867	867	866	866	866	867	867	870	867	863	864	867	868	870	868	868	867	867	867	867	867	867	867	867
7 Q	867	866	866	866	864	863	863	865	866	866	862	862	862	862	864	867	867	867	866	866	866	867	867	867	867	865
8	868	867	867	866	864	864	863	861	864	863	859	859	859	863	865	868	868	867	867	867	868	868	868	868	868	865
9	868	868	867	867	866	864	863	863	863	867	866	866	863	864	867	868	868	866	865	865	864	864	864	864	864	865
10	865	865	865	864	864	864	864	864	864	866	865	861	861	864	869	871	871	870	869	869	869	868	868	867	866	866
11	867	867	867	867	867	867	866	865	865	866	865	865	865	865	869	870	873	872	871	873	873	870	870	869	867	868
12	868	866	866	866	867	867	867	866	866	863	862	864	866	868	870	875	878	883	883	881	880	879	876	873	871	871
13	871	867	858	859	860	862	864	865	866	868	867	869	871	871	871	873	874	872	871	871	871	871	871	870	870	868
14 Q	871	868	867	868	868	868	868	868	868	868	866	866	867	867	867	867	868	871	871	871	871	869	868	868	868	868
15	869	868	868	868	869	869	869	869	870	872	869	868	868	869	869	872	873	873	873	873	873	872	869	869	868	870
16	868	869	869	868	868	868	868	868	868	869	869	872	871	869	869	869	871	872	872	869	869	869	869	869	870	869
17	871	869	869	869	869	869	869	869	869	869	869	870	871	870	870	870	869	870	869	869	869	869	869	869	869	869
18 D	870	869	867	866	866	866	865	862	861	859	862	865	866	867	878	875	875	891	900	895	892	889	883	870	864	**873**
19 D	864	840	854	866	869	866	860	862	866	866	870	872	873	874	874	875	879	878	878	876	878	874	871	871	866	869
20	867	858	854	858	865	868	871	871	871	871	875	875	875	874	877	884	884	884	884	884	882	879	871	871	871	873
21 D	871	871	867	866	867	868	869	868	867	867	867	867	867	867	878	880	880	880	880	884	885	867	872	871	872	872
22 Q	873	872	872	872	872	872	872	872	870	870	868	868	871	872	873	876	876	875	875	876	876	876	876	873	872	873
23	873	869	869	869	869	869	869	869	869	869	869	869	868	869	870	873	874	873	873	871	870	870	869	869	868	870
24	869	868	866	866	866	866	866	866	866	866	866	866	866	868	873	877	878	878	878	878	878	877	875	870	869	871
25 Q	870	871	870	870	870	868	867	867	867	867	866	867	867	870	871	874	872	871	871	871	870	870	870	870	870	869
26	870	869	869	868	867	867	867	867	867	867	866	863	865	867	867	867	868	867	867	867	867	867	867	870	867	867
27	868	868	868	868	867	867	867	865	864	866	864	863	863	863	865	867	867	868	868	872	878	876	875	872	870	868
28	870	871	869	868	868	868	867	867	864	864	863	863	865	867	867	867	867	867	867	867	866	865	866	866	865	867
29 D	866	867	865	864	865	865	865	865	864	864	860	861	864	865	867	869	873	881	887	893	889	882	878	876	868	871
30 D	869	862	857	848	848	852	849	852	852	851	852	858	861	870	873	874	873	871	870	871	870	874	882	874	870	**863**
Mean.	869	867	867	866	867	867	866	866	867	867	866	**866**	866	868	870	872	872	873	873	**873**	873	872	871	870	869	869

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

311. Eskdalemuir. **November, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character Figure $\frac{\Sigma R^2}{100\gamma^2}$ §	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ			*a.*
1	5 29	1047	1011	10 54	36	13 0	406	373	9 3	33	8 49	877	869	2 44	8	24	0	86·3
2	22 3	1046	1010	11 1	36	13 49	400	372	9 11	28	13 16	874	869	11 50	5	21	0	86·3
3	7 4	1049	1020	11 13	29	13 40	405	374	9 8	31	18 0	874	864	12 10	10	19	0	86·3
4	19 58	1050	1015	11 35	35	13 12	409	344	20 12	65	20 21	879	861	11 50	18	58	1	86·3
5	20 39	1047	1025	11 31	22	11 9	406	367	1 11	39	0 1	875	865	11 22	10	21	0	86·2
6	23 31	1049	1011	11 28	38	12 27	405	374	9 19	31	15 9	871	863	11 11	8	25	0	86·2
7	6 0	1049	1007	11 19	42	12 58	407	369	9 30	38	23 40	867	861	12 19	6	32	0	86·1
8	5 31	1069	1015	11 15	54	13 25	407	375	9 37	32	15 20	869	859	10 35	10	40	1	86·1
9	19 32	1058	1019	10 38	39	11 54	407	372	9 31	35	15 20	868	863	7 37	5	28	1	86·0
	5 46													11 52				
10	18 31	1052	1009	11 35	43	12 32	407	370	9 45	37	15 22	872	860	11 21	12	34	0	86·0
11	22 35	1049	1014	12 19	35	13 2	408	360	23 9	48	19 30	874	863	10 48	11	37	0	86·1
12	4 25	1050	1010	13 3	40	13 42	420	368	0 1	52	17 32	883	862	10 1	21	47	1	86·0
13	2 8	1065	1012	11 40	53	12 55	401	340	2 25	61	16 10	874	856	2 14	18	69	1	86·0
14	0 58	1048	1018	12 8	30	14 41	399	372	9 2	27	0 30	871	864	10 29	7	17	0	85·9
15	19 20	1047	1016	11 55	31	14 33	400	372	9 52	28	16 38	875	867	11 10	8	18	0	85·9
											17 40							
16	23 24	1059	1026	12 0	33	14 28	401	373	23 58	28	23 54	872	868	9 51	4	19	0	85·9
17	0 6	1061	1024	12 9	37	12 53	406	367	3 9	39	11 50	873	868	4 10	5	29	0	85·9
18	7 29	1070	**982**	19 11	**88**	14 0	**452**	**264**	22 32	**188**	17 29	**912**	858	9 23	**54**	460	1	85·9
19	20 20	1070	995	1 3	75	5 25	407	346	0 1	61	20 5	880	**831**	0 51	49	117	1	85·9
20	21 31	1059	1001	10 30	58	13 9	399	356	21 56	43	17 40	885	850	1 31	35	64	1	85·8
21	20 45	**1074**	1008	13 55	66	2 10	406	354	20 12	52	19 21	888	863	2 23	25	77	1	85·7
22	23 42	1043	1019	11 43	24	12 41	399	374	21 12	25	21 24	877	867	10 30	10	13	0	85·7
23	23 58	1053	1013	10 40	40	12 41	400	374	1 9	26	15 40	874	866	11 44	8	23	0	85·7
				10 40										5 50				
24	22 26	1058	1013	15 0	45	13 10	412	346	22 18	66	19 10	879	865	11 49	14	66	1	85·6
25	7 40	1047	1023	12 19	24	12 56	403	373	0 1	30	14 52	875	866	10 40	9	16	0	85·6
26	23 12	1055	1028	11 12	27	13 33	400	356	20 3	44	23 20	871	862	11 10	9	27	1	85·6
27	20 6	1055	1009	19 48	46	20 10	399	366	21 18	33	19 49	883	862	12 18	21	36	1	85·6
									0 20									
28	17 58	1051	1028	11 15	23	12 39	400	379	8 10	**21**	0 8	871	863	10 30	8	10	0	85·6
29	3 22	1052	1005	16 34	47	16 24	430	341	22 25	89	18 43	894	860	10 10	34	113	1	85·5
30	6 2	1056	984	10 51	72	11 43	418	321	1 54	97	21 43	885	845	3 26	40	162	1	85·4
Mean.	—	1055	1012	—	42	—	407	360	—	48	—	877	861	—	16	57	0·47	85·9
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	30	30

§ For explanation *see* page 161. Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

TERRESTRIAL MAGNETIC FORCE : NORTH COMPONENT.

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

312. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **December, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1036	1036	1036	1036	1038	1040	1038	1037	1036	1036	1027	1004	981	1007	1023	1026	1031	1035	1035	1032	1027	1024	1035	1031	1036	1029
2	1036	1041	1026	1028	1035	1045	1038	1036	1046	1040	1036	1031	1026	1025	1024	1017	1035	1041	1037	1039	1050	1036	1038	1041	1046	1035
3	1046	1036	1035	1037	1040	1041	1042	1040	1038	1032	1024	1022	1025	1031	1031	1028	1040	1042	1042	1043	1043	1042	1041	1041	1042	1037
4 Q	1041	1040	1040	1040	1040	1042	1045	1044	1041	1035	1035	1031	1034	1035	1035	1036	1035	1041	1045	1045	1045	1045	1044	1041	1050	1040
5	1050	1040	1043	0142	1045	1047	1050	1050	1050	1041	1046	1045	1041	1030	1013	1025	1036	1039	1032	1038	1050	1039	1040	1045	1043	1041
6	1043	1040	1040	1040	1044	1048	1055	1055	1055	1043	1030	1025	1030	1033	1027	1020	1014	1026	1034	1030	1053	1041	1035	1040	1048	1038
7	1047	1049	1041	1045	1035	1039	1039	1027	1033	1035	1027	1025	1027	1024	1025	1024	1028	1037	1035	1039	1040	1044	1046	1045	1043	1036
8	1043	1040	1042	1044	1043	1043	1045	1048	1039	1034	1029	1026	1028	1030	1032	1032	1034	1036	1035	1052	1023	1028	1028	1028	1035	1036
9	1035	1037	1034	1034	1038	1040	1041	1039	1047	1041	1033	1025	1018	1022	1014	1029	1035	1042	1031	1025	1028	1039	1055	1039	1039	1034
10	1039	1039	1039	1038	1038	1043	1048	1040	1039	1033	1020	1019	1016	1011	1024	1026	1035	1039	1041	1035	1034	1039	1039	1042	1043	1034
11	1042	1034	1033	1042	1043	1043	1047	1043	1033	1029	1027	1021	1020	1023	1024	1033	1040	1042	1043	1043	1043	1039	1043	1043	1043	1036
12	1043	1042	1041	1042	1043	1045	1045	1043	1043	1041	1035	1037	1034	1033	1034	1038	1039	1043	1044	1045	1053	1051	1050	1048	1047	1042
13 D	1047	1047	1044	1043	1047	1050	1053	1053	1061	1058	1043	1020	1023	1035	1003	976	1013	984	980	971	994	1016	1008	1019	1004	1024
14 D	1004	990	985	1017	1008	1010	1055	1024	1024	1014	1018	1024	1023	1019	1023	1024	1024	1024	1024	1028	1033	1034	1033	1035	1038	1021
15	1037	1035	1031	1032	1037	1042	1038	1023	1022	1019	1013	1012	1007	1003	1000	1016	1018	1022	1017	1026	1022	1027	1027	1031	1031	1023
16	1031	1028	1030	1041	1040	1041	1037	1036	1028	1013	1009	1009	1007	1025	1027	1022	1023	1023	1022	1027	1028	1030	1032	1031	1031	1027
17 D	1031	1032	1032	1034	1036	1037	1043	1037	1032	1021	1015	1006	1003	1002	1003	1016	1031	1035	1032	1013	1027	1035	1037	1033	1037	1026
18 D	1036	1031	1037	1036	1040	1046	1036	1031	1016	1002	992	1001	1002	1002	1002	1007	997	993	997	1002	980	991	997	1011	1021	**1012**
19	1021	1020	1027	1037	1059	1035	1031	1012	1013	1025	1021	1024	1025	1017	1024	1031	1031	1035	1036	1032	1031	1031	1031	1034	1031	1029
20 Q	1031	1029	1027	1035	1035	1036	1036	1036	1035	1031	1030	1026	1026	1032	1036	1036	1040	1041	1041	1041	1041	1040	1040	1040	1038	1035
21 Q	1038	1036	1036	1037	1040	1040	1041	1041	1041	1040	1035	1031	1031	1035	1040	1040	1040	1041	1041	1041	1040	1041	1041	0142	1041	1039
22	1040	1039	1036	1043	1045	1048	1049	1053	1047	1045	1044	1044	1041	1042	1042	1045	1042	1041	1040	1040	1035	1040	1035	1041	1036	1042
23	1036	1040	1040	1044	1045	1055	1056	1055	1047	1044	1038	1026	1021	1024	1030	1034	1038	1041	1040	1042	1044	1044	1043	1042	1040	1040
24 Q	1040	1040	1040	1039	1041	1041	1044	1045	1044	1041	1035	1032	1028	1034	1040	1044	1045	1047	1047	1045	1044	1052	1045	1050	1044	1042
25	1044	1044	1045	1049	1049	1048	1050	1051	1050	1045	1043	1039	1037	1041	1044	1045	1045	1045	1045	1049	1049	1047	1045	1046	1045	**1046**
26	1045	1041	1040	1039	1044	1049	1049	1049	1049	1044	1034	1030	1029	1033	1031	1026	1025	1034	1040	1044	1044	1044	1045	1044	1044	1040
27 Q	1043	1043	1044	1044	1046	1048	1048	1044	1043	1039	1039	1039	1039	1039	1039	1038	1038	1040	1043	1044	1046	1044	1044	1043	1042	1042
28 D	1042	1046	1043	1044	1044	1048	1048	1046	1043	1039	1036	1038	1039	1042	1039	1048	1034	1038	1034	1019	1038	1019	1024	1023	1020	1038
29	1020	1019	1019	1023	1029	1030	1030	1034	1031	1029	1027	1027	1026	1029	1033	1028	1025	1029	1033	1038	1039	1039	1038	1036	1035	1030
30	1035	1034	1034	1032	1034	1038	1039	1039	1037	1033	1029	1028	1029	1034	1035	1038	1039	1039	1043	1040	1041	1043	1043	1043	1043	1037
31	1042	1042	1042	1042	1042	1045	1052	1052	1050	1046	1029	1028	1037	1043	1047	1047	1047	1047	1038	1043	1045	1048	1052	1042	1031	1043
Mean	1038	1036	1035	1038	1040	1042	**1044**	1041	1039	1034	1029	1026	**1024**	1027	1027	1029	1032	1034	1034	1034	1036	1037	1037	1038	1038	1035

TERRESTRIAL MAGNETIC FORCE : WEST COMPONENT.

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

313. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **December, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	379	380	378	380	382	382	380	380	382	382	384	382	392	407	402	394	392	392	387	385	379	372	376	373	357	384
2	357	346	357	358	359	359	373	376	381	382	387	389	404	398	400	392	391	389	390	365	367	384	379	371	375	378
3	375	378	380	384	384	384	382	380	378	381	385	391	390	391	391	384	385	387	386	385	382	380	383	382	382	384
4 Q	382	384	384	385	384	384	384	384	380	378	385	391	394	398	398	397	394	392	391	388	386	385	384	385	384	**387**
5	384	379	378	379	378	384	384	384	383	378	380	386	394	394	389	395	392	392	390	382	359	378	378	384	380	383
6	380	385	386	386	386	388	389	388	386	391	392	381	389	392	399	398	357	392	393	382	375	382	379	378	378	386
7	378	379	378	372	379	382	380	384	383	386	384	386	394	386	386	390	391	378	381	385	384	380	378	378	379	383
8	379	384	385	385	385	391	384	384	379	379	385	391	394	396	392	391	385	386	385	362	367	363	353	354	365	381
9	365	376	375	378	384	387	388	386	379	378	379	385	389	392	393	392	391	388	384	362	378	372	373	367	378	381
10	378	380	380	384	388	391	386	390	384	382	378	382	392	393	399	398	392	386	386	378	375	372	375	378	376	384
11	376	378	385	388	384	380	384	380	378	376	378	385	392	398	393	389	386	385	385	384	383	378	378	372	373	383
12	373	379	384	384	385	385	384	382	380	378	384	387	390	391	392	391	387	386	386	385	389	385	384	377	378	385
13 D	378	378	379	384	385	386	388	386	387	385	382	392	412	433	438	406	378	391	385	346	326	315	346	312	287	377
14 D	287	305	339	365	352	385	380	382	394	378	376	384	385	392	389	387	384	379	384	384	381	378	378	378	380	374
15	380	380	378	378	384	382	392	398	406	387	376	378	384	392	384	392	386	385	312	359	365	372	373	373	372	379
16	372	375	389	385	377	376	379	381	384	385	392	386	387	393	397	385	373	365	378	378	378	374	377	373	371	381
17 D	371	376	378	378	378	384	404	411	402	398	398	400	399	405	355	393	386	382	392	327	372	375	378	378	380	384
18 D	380	385	384	388	405	392	393	405	380	378	392	397	400	405	404	385	379	350	331	286	273	271	296	293	294	**363**
19	294	306	306	318	347	359	398	425	405	388	388	395	398	398	405	394	391	385	384	379	382	380	377	373	373	376
20 Q	373	373	378	373	375	378	378	378	379	382	385	391	398	398	393	386	384	384	382	379	378	378	378	378	373	382
21 Q	373	378	378	378	379	381	380	378	378	378	379	384	392	393	392	391	386	384	384	384	379	378	378	378	379	382
22	379	379	380	385	385	385	385	386	384	384	380	386	398	402	392	387	386	385	384	380	377	375	373	366	367	383
23	367	374	375	372	367	376	380	384	382	373	378	378	386	393	395	391	387	386	385	382	378	378	378	378	379	380
24 Q	379	382	382	380	384	384	380	379	378	376	378	383	386	393	394	391	390	388	386	385	379	376	380	379	380	383
25	380	378	385	385	384	380	380	381	379	378	378	379	386	392	392	386	386	388	387	386	385	380	378	378	376	383
26	376	378	381	384	380	380	384	382	380	384	386	392	398	398	398	397	391	385	388	384	380	378	378	378	379	385
27 Q	379	379	380	383	384	384	384	380	379	382	390	391	392	392	391	386	385	385	384	384	382	380	379	379	379	384
28 D	379	380	379	379	379	380	380	378	378	380	388	392	397	399	400	404	419	424	406	398	338	355	363	354	353	384
29	353	345	365	366	366	367	376	373	372	377	381	382	387	392	396	387	380	382	379	378	376	378	377	377	376	376
30	376	376	374	378	372	373	375	375	374	377	380	386	391	392	387	385	385	385	385	384	379	379	378	379	378	380
31	378	378	378	378	378	380	382	382	380	379	384	386	394	404	398	392	390	392	390	387	385	388	390	382	377	386
Mean	370	372	375	377	379	381	384	385	383	381	384	387	393	**397**	395	391	387	386	382	375	372	372	373	370	**370**	381

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

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

314. Eskdalemuir. (Z) 44,000 γ (·44 C.G.S. unit) + **December, 1927.**

Hour. G.M.T.	0.	1.	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.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	871	870	869	867	866	866	866	866	866	865	863	866	870	866	869	870	871	870	870	870	875	879	875	870	862	869
2	862	854	856	858	861	861	862	862	861	862	862	862	862	862	866	870	870	870	870	874	871	866	867	868	866	864
3	867	863	864	864	865	865	865	864	864	866	866	864	865	864	867	870	871	868	867	867	867	867	867	865	864	866
4 Q	864	863	863	863	863	863	862	862	862	863	859	859	859	862	863	863	864	864	864	864	864	864	864	864	864	863
5	865	864	863	863	863	861	860	860	860	862	860	860	860	860	866	866	866	868	868	872	873	868	868	864	864	864
6	864	863	860	859	859	859	859	859	856	859	858	859	860	864	864	868	882	872	868	874	871	863	868	868	864	864
7	865	856	856	854	856	857	857	860	861	860	861	861	861	865	867	870	870	873	869	868	866	865	865	865	864	863
8	865	865	864	863	862	861	861	861	861	859	857	858	861	862	865	867	870	867	866	867	870	873	874	870	865	865
9	865	863	865	865	863	862	858	858	861	861	865	865	866	869	870	870	870	870	870	878	874	871	859	861	861	866
10	862	863	866	865	864	861	858	858	860	862	863	866	863	867	871	871	871	871	869	871	871	869	867	866	863	866
11	864	863	863	860	861	863	863	863	863	863	863	860	860	863	864	867	868	868	867	864	864	864	864	864	864	864
12	864	863	863	863	863	863	863	863	861	859	858	858	859	859	860	863	864	864	864	864	861	860	860	863	863	862
13 D	864	863	862	861	861	860	860	858	856	854	856	857	858	855	871	906	946	918	936	950	929	902	861	843	844	**878**
14 D	845	834	807	825	850	846	827	848	853	862	869	865	865	866	870	872	874	874	872	871	870	869	869	867	866	858
15	867	867	867	867	866	866	863	864	859	864	870	870	866	869	880	884	879	879	893	883	878	875	875	871	870	872
16	871	871	867	857	855	855	858	860	863	867	871	872	871	869	876	880	881	884	881	880	876	876	872	872	871	870
17 D	872	869	869	869	868	868	864	861	864	864	869	869	872	880	908	895	883	879	878	899	885	877	873	873	871	875
18 D	872	870	870	870	865	863	864	864	869	873	875	877	879	887	899	902	908	909	907	891	870	870	859	853	822	877
19	823	802	778	776	777	795	815	820	836	850	860	861	862	868	874	873	872	871	874	875	875	875	876	875	875	**845**
20 Q	876	875	874	869	870	870	870	869	868	868	871	871	868	871	872	873	873	872	872	871	871	872	871	871	871	871
21 Q	872	872	869	869	868	868	868	868	868	869	872	873	872	872	872	870	872	873	872	871	872	872	870	869	869	870
22	870	869	869	866	866	865	865	865	865	865	867	869	866	869	869	869	871	873	871	870	871	870	871	871	872	868
23	873	870	870	866	862	859	856	857	861	863	866	867	866	866	870	870	869	868	868	869	869	867	866	866	866	866
24 Q	867	867	867	867	867	867	867	866	867	867	867	867	867	867	867	867	867	867	867	867	867	867	866	866	867	863	867
25	864	865	864	863	862	863	863	863	863	863	863	862	863	862	864	865	865	865	865	864	864	865	865	866	864	864
26	865	865	864	865	865	865	865	864	865	865	865	865	866	867	870	873	874	875	873	872	870	869	869	869	868	868
27 Q	869	869	869	868	867	867	867	867	866	865	862	863	865	866	867	870	870	873	873	871	870	866	868	867	867	868
28 D	868	867	867	867	867	867	867	867	867	866	867	867	866	868	871	868	868	869	879	898	917	905	902	896	892	876
29	893	891	887	885	881	877	876	875	876	873	872	869	870	872	875	877	878	877	876	875	873	872	871	869	869	876
30	870	869	869	869	869	869	869	869	869	868	867	866	868	867	867	869	869	869	869	869	870	869	869	868	866	869
31	867	866	866	866	866	865	865	865	865	863	865	866	862	861	865	865	865	867	870	871	870	870	870	874	877	867
Mean.	866	864	862	861	861	861	**861**	861	862	864	865	865	865	867	871	873	875	874	874	**876**	874	871	869	868	865	867

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE : MAGNETIC CHARACTER FIGURES : TEMPERATURE IN MAGNET HOUSE.

315. Eskdalemuir. **December, 1927.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15000 γ +		Minimum 15000 γ +		Range.	West Component. Maximum 4000 γ +		Minimum 4000 γ +		Range.	Vertical Component. Maximum 44000 γ +		Minimum 44000 γ +		Range.	Character $\frac{\Sigma R^2}{100\gamma^2}$ Figures §.	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ			*a.*
1	1 7	1044	12 7	976	68	12 35	412	23 55	357	55	20 58	879	24 0	861	18	80	1	85·3
2	19 30	1060	14 23 and 14 32	1007	53	12 8	412	19 22	326	86	18 42	875	1 17	853	22	107	1	85·3
3	0 22	1076	11 21	1021	55	14 10	392	0 13	363	29	15 40	872	0 28	863	9	39	1	85·3
4	24 0	1050	11 25	1006	44	13 20	399	8 50	378	21	22 22	867	10 20	858	9	25	0	85·2
5	0 6	1065	14 9	1003	62	12 16	404	19 51	345	59	19 40	875	12 31	859	16	76	1	85·1
6	20 36	1086	15 35	971	115	20 39	406	15 51	327	79	16 4	885	7 50	856	29	203	1	85·1
7	0 54	1062	14 36	1018	44	12 1	398	17 31	359	39	17 11	873	1 10	853	20	39	1	85·1
8	18 49	1088	19 45	1014	74	12 56	398	18 38	338	60	21 46	874	10 30	857	17	94	1	85·0
9	21 46	**1096**	14 7	1004	92	13 48	404	18 45	347	57	19 3	879	22 0	856	23	122	1	85·0
10	5 42	1049	13 5	1002	47	14 23	406	20 36	372	34	19 35	872	7 2	858	14	36	1	85·0
11	22 27	1048	12 23	1018	30	12 53	400	23 32	368	32	16 46	868	11 55	859	9	20	0	84·9
12	19 53	1064	12 25	1032	32	13 50	393	23 21	373	20	16 38	864	9 20	856	8	15	0	84·9
13	7 58	1063	**951**	15 19	112	13 4	**460**	261	21 11	**199**	16 4	**994**	23 32	832	**162**	784	2	84·9
14	5 42	1082	955	1 48	**127**	5 11	412	285	0 1	127	16 41	874	797	2 16	77	382	1	84·9
15	18 34	1056	990	18 0	66	7 52	414	279	18 16	135	18 6	899	858	8 10	41	243	1	84·9
16	5 22	1045	989	11 39	56	13 42	399	358	16 29	41	17 18	885	854	4 39	31	58	1	84·8
17	17 46	1056	968	13 39	88	13 8	420	292	19 10	128	14 8	918	860	6 40	58	275	1	84·7
18	5 8	1050	962	19 52	88	12 49	415	**239**	20 30	176	16 48	911	822	24 0	89	466	1	84·7
19	3 30	1076	986	1 29	90	6 50	445	285	0 15	160	21 38	878	**772**	1 31 / 3 37	106	449	1	84·7
20	23 22	1046	1021	11 49	25	12 26	399	365	3 20	34	0 1	876	867	11 40	9	19	0	84·6
21	18 11	1045	1031	11 1	14	12 51	398	371	0 1	27	17 6	873	867	5 40	6	10	0	84·6
22	7 10	1054	1034	19 51	20	12 52	404	357	23 19	47	17 11	874	865	8 55	9	27	1	84·5
23	5 31	1063	1020	11 30	43	13 23	398	359	4 31	39	0 1	873	854	5 40	19	37	1	84·6
24	21 6	1059	1025	11 49	34	13 33	398	370	21 6	28	14 20	868	863	24 0	**5**	20	1	84·5
25	23 15	1064	1037	12 10	27	13 18	393	367	22 39	26	22 59	867	861	3 38 0 1 / 8 50	6	14	1	84·5
16	7 21	1054	1020	16 29	34	12 55	399	366	0 11	33	16 31	878	864	8 50	14	24	0	84·5
27	20 48	1048	1038	15 6	**10**	12 6	393	378	8 10	**15**	17 22	874	861	10 10	13	5	0	84·4
28	20 11	1067	1004	22 31	63	16 39	431	261	20 9	170	20 3	931	866	12 4	65	371	1	84·3
29	21 21	1040	1010	0 28	30	13 57	398	341	1 20	57	0 30	894	869	11 4	25	48	1	84·3
30	20 55 and 23 5	1046	1026	11 30	20	13 21	394	367	5 2	27	0 1 / 19 50	870	865	10 51	**5**	12	0	84·3
31	5 22	1061	1018	10 50	43	13 37	406	373	23 15	33	23 59	878	861	12 30	17	32	1	84·3
Mean	—	1060	1005	—	55	—	406	340	—	67	—	884	853	—	31	133	0·77	84·8
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	31	31

§ For explanation *see* page 161. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 322–333.

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—"ALL" DAYS.

(Not corrected for the effect of the North Force on the West Magnetograph, or *vice versa*, or for the effect of the Horizontal Force on the V.F. Balance.)

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

NORTH COMPONENT (*all days except Jan.* 7; *Feb.* 5; *June* 4, 5; *July* 8).

316. Eskdalemuir. **1927.**

Month and Season.	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ..	+ 4·7	+ 3·1	+ 3·9	+ 4·5	+ 6·7	+ 8·0	**+ 8·7**	+ 5·7	+ 1·7	− 4·3	− 9·3	−14·7	**−15·5**	−10·9	− 7·0	− 3·4	− 1·4	− 1·6	+ 1·0	+ 5·0	+ 3·5	+ 3·5	+ 5·1	+ 3·3
Feb. ..	+ 4·7	+ 5·1	+ 4·9	+ 7·0	+ 6·9	**+ 8·7**	+ 7·5	+ 5·0	+ 1·1	− 6·7	−13·9	−16·5	**−17·9**	−16·2	− 8·6	− 5·2	− 0·2	+ 2·5	+ 4·0	+ 6·5	+ 4·1	+ 6·5	+ 4·9	+ 5·7
Mar. ..	+ 8·9	+ 6·8	+ 8·7	+ 6·9	+ 8·1	+ 8·0	+ 6·9	+ 1·8	− 7·4	−19·8	−27·5	**−28·1**	−25·5	−15·4	− 6·6	+ 1·6	+ 5·0	+ 9·5	+11·7	**+11·7**	+ 8·7	+ 8·5	+ 9·3	+ 8·1
April ..	+10·0	+ 9·2	+ 9·4	+ 8·9	+11·1	+11·0	+ 9·3	+ 1·9	−14·8	−32·8	**−43·2**	−41·2	−34·2	−20·4	− 5·3	+ 4·6	+14·0	+13·6	+16·1	+16·3	**+16·5**	+14·1	+12·7	+13·4
May ..	+ 5·4	+ 5·4	+ 4·8	+ 8·1	+ 7·4	+ 5·7	− 1·5	−10·1	−21·9	−30·9	**−34·8**	−31·7	−26·5	−16·4	− 2·6	+12·9	+20·8	+24·1	**+24·1**	+19·3	+12·7	+ 9·0	+ 9·0	+ 7·9
June ..	+ 5·1	+ 4·7	+ 5·3	+ 5·9	+ 6·0	+ 4·9	− 0·5	−10·8	−20·6	−28·2	**−31·1**	−28·6	−22·0	−14·0	− 4·2	+ 4·5	+14·2	+20·8	**+24·9**	+20·8	+17·5	+11·3	+ 7·6	+ 6·4
July ..	+ 5·2	+ 0·4	− 0·9	+ 7·4	+ 6·7	− 5·1	− 6·0	−10·5	−21·3	−29·6	**−33·4**	−27·8	−21·3	−11·3	+ 2·2	+11·4	+17·5	+23·6	**+24·1**	+20·5	+17·7	+13·7	+ 9·8	+ 7·0
Aug. ..	+ 3·1	+ 4·0	+ 5·1	+ 6·0	+ 7·4	+ 5·0	− 6·1	−13·8	−21·7	−31·6	**−31·8**	−29·7	−22·2	−13·3	− 2·8	+ 7·9	+17·6	+22·6	**+23·1**	+20·3	+17·9	+13·8	+11·3	+ 7·7
Sept. ..	+14·0	+ 9·4	+ 8·1	+ 9·2	+ 8·0	+ 7·2	+ 2·6	− 8·4	−17·4	−29·0	**−32·6**	−32·0	−23·6	−17·4	− 6·7	− 1·0	+ 8·9	+13·2	**+18·1**	+14·6	+12·0	+18·0	+13·3	+11·4
Oct. ..	+ 5·1	+ 7·8	+ 5·1	+ 6·1	+ 5·9	+ 5·8	+ 3·6	− 2·3	−14·1	−23·8	**−31·3**	−23·1	−16·8	− 8·8	− 1·0	+ 6·1	+ 9·3	+11·2	+ 9·0	+11·6	**+12·8**	+ 8·4	+ 7·4	+ 5·8
Nov. ..	+ 4·1	+ 3·7	+ 4·2	+ 5·7	+ 7·6	**+ 9·5**	+ 8·6	+ 4·3	− 1·9	−11·4	**−15·7**	−14·8	−11·9	− 9·1	− 6·4	− 2·6	− 0·1	+ 1·7	+ 1·8	+ 4·4	+ 4·7	+ 4·5	+ 4·4	+ 4·6
Dec. ..	+ 1·3	+ 0·3	+ 3·5	+ 5·5	+ 7·5	**+ 9·6**	+ 6·2	+ 4·6	**− 0·1**	− 5·6	− 8·9	**−10·3**	− 7·7	− 7·4	− 5·7	− 2·5	− 0·4	− 0·9	− 0·7	+ 1·2	+ 1·9	+ 2·6	+ 3·1	+ 3·0
Year ..	+ 6·0	+ 5·0	+ 5·2	+ 6·8	+ 7·4	+ 6·5	+ 3·3	− 2·7	−11·5	−21·1	**−26·1**	−24·9	−20·4	−13·4	− 4·6	+ 2·9	+ 8·8	+11·7	**+13·1**	+12·7	+10·8	+ 9·5	+ 8·2	+ 7·0
Winter	+ 3·7	+ 3·1	+ 4·1	+ 5·7	+ 7·2	**+ 8·9**	+ 7·7	+ 4·9	+ 0·2	− 7·0	−11·9	**−14·1**	−13·3	−10·9	− 6·9	− 3·4	− 0·5	+ 0·4	+ 1·5	+ 4·3	+ 3·5	+ 4·3	+ 4·4	+ 4·1
Equinox	+ 9·5	+ 8·3	+ 7·8	+ 7·8	+ 8·3	+ 8·0	+ 5·6	− 1·7	−13·4	−26·4	**−33·7**	−31·1	−25·0	−15·5	− 4·9	+ 2·8	+ 9·3	+11·9	**+13·7**	+13·5	+12·5	+12·3	+10·7	+ 9·7
Summer	+ 4·7	+ 3·6	+ 3·5	+ 6·8	+ 6·9	+ 2·6	− 3·5	−11·3	−21·4	−30·1	**−32·8**	−29·5	−23·0	−13·7	− 1·9	+ 9·2	+17·5	+22·8	**+24·1**	+20·3	+16·5	+12·0	+ 9·5	+ 7·3

WEST COMPONENT (*all days except Jan.* 7; *Feb.* 5; *June* 4, 5; *July* 8).

317. Eskdalemuir. **1927.**

	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ..	− 8·0	− 4·0	− 2·5	− 1·1	+ 0·4	+ 2·1	− 1·0	− 3·5	− 5·9	− 5·5	− 0·8	+ 6·2	+13·5	**+15·4**	+10·1	+ 8·3	+ 7·5	+ 4·3	+ 2·5	− 2·7	− 7·1	− 7·9	**−13·0**	− 7·4
Feb. ..	−10·0	− 7·8	− 7·2	− 6·5	− 7·4	− 6·1	− 5·1	− 5·7	− 4·9	− 2·3	+ 2·7	+ 9·3	+17·1	**+18·6**	+17·3	+14·0	+10·7	+ 6·9	+ 6·5	− 3·3	− 6·1	− 8·0	**−13·8**	− 9·1
Mar. ..	−11·7	− 9·6	− 8·8	−10·2	− 4·4	− 8·4	− 9·3	−13·4	**−14·9**	− 9·4	+ 2·7	+19·6	+30·2	**+32·3**	+29·7	+21·7	+ 8·6	+ 4·9	− 0·5	− 5·0	− 9·1	−11·1	−11·1	−12·9
April ..	− 3·4	− 3·8	− 3·7	− 5·9	− 7·4	−12·3	−21·3	−31·5	**−32·2**	−24·1	− 9·2	+12·0	+27·4	**+33·4**	+32·2	+24·5	+16·3	+ 8·1	+ 4·8	+ 1·3	+ 0·9	− 0·2	− 2·7	− 3·7
May ..	− 3·2	− 5·3	− 7·4	− 9·1	−15·2	−21·7	−30·5	**−32·5**	−28·9	−16·4	− 2·6	+13·3	+25·6	**+29·6**	+28·9	+25·5	+20·5	+14·8	+10·7	+ 5·6	+ 2·7	+ 0·8	− 1·5	− 3·5
June ..	− 3·2	− 3·4	− 4·7	− 9·7	−15·7	−24·2	−29·8	**−31·9**	−29·3	−17·4	− 4·2	+13·6	+25·3	**+29·8**	+29·3	+23·9	+18·8	+13·8	+12·3	+ 8·1	+ 3·3	− 0·5	− 1·5	− 2·6
July ..	− 2·3	− 4·5	− 8·6	−16·0	−20·8	−25·1	−25·5	**−30·7**	−29·4	−19·9	− 5·6	+12·4	+24·5	+30·1	**+31·7**	+25·6	+19·4	+14·3	+10·3	+ 8·6	+ 6·0	+ 2·2	+ 2·2	+ 1·0
Aug. ..	− 7·3	− 7·1	− 9·9	−11·7	−16·7	−19·0	−22·9	**−22·9**	−19·2	− 8·9	+ 2·7	+18·3	**+29·4**	+28·2	+21·9	+16·9	+12·2	+ 6·8	+ 6·0	+ 4·7	+ 2·9	+ 1·5	− 1·7	− 4·4
Sept. ..	− 6·6	− 8·7	− 7·9	− 9·0	− 7·3	− 8·5	−15·1	**−21·1**	−19·0	− 8·5	+ 4·9	+19·9	+30·8	**+30·9**	+24·8	+15·8	+ 8·7	+ 4·0	− 0·5	− 2·6	− 1·9	− 7·5	− 9·2	− 6·3
Oct. ..	− 4·0	− 4·7	+ 0·4	+ 0·4	− 0·5	+ 1·3	− 6·1	−11·1	−15·0	− 8·5	− 0·4	+17·1	+24·9	**+26·0**	+20·4	+12·5	+ 8·9	+ 1·0	− 1·7	− 8·3	−12·8	**−15·1**	−14·0	−10·9
Nov. ..	− 4·8	− 4·1	− 3·4	− 2·8	− 1·5	− 2·3	− 3·3	− 5·8	− 7·7	− 4·6	+ 3·5	+10·3	+13·9	**+13·9**	+10·8	+ 9·5	+ 7·0	+ 2·9	0·0	− 3·3	− 5·1	− 8·2	**− 8·9**	− 5·9
Dec. ..	− 9·3	− 5·9	− 3·9	− 2·6	− 0·3	+ 2·5	+ 4·0	+ 1·7	0·0	+ 2·3	+ 5·8	+11·8	**+15·6**	+13·4	+10·2	+ 5·5	+ 4·5	+ 1·0	− 6·6	− 9·7	− 9·7	− 7·9	−10·7	**−11·6**
Year ..	− 6·1	− 5·7	− 5·6	− 7·0	− 8·1	−10·1	−13·8	**−17·4**	−17·2	−10·3	− 0·1	+13·7	+23·2	**+25·1**	+22·3	+17·0	+11·9	+ 6·9	+ 3·7	− 0·6	− 3·0	− 5·1	− 7·2	− 6·4
Winter	− 8·0	− 5·5	− 4·2	− 3·3	− 2·2	− 1·0	− 1·3	− 3·3	− 4·6	− 2·5	+ 2·8	+ 9·4	+15·0	**+15·8**	+12·1	+ 9·3	+ 7·4	+ 3·8	+ 0·6	− 4·8	− 7·0	− 8·0	**−11·6**	− 8·5
Equinox	− 6·4	− 6·7	− 5·0	− 6·2	− 4·9	− 7·0	−12·9	−19·3	**−20·3**	−12·6	− 0·5	+17·1	+28·3	**+30·6**	+26·8	+18·6	+10·6	+ 4·5	+0 ·5	− 3·6	− 5·7	− 8·5	− 9·3	− 8·5
Summer	− 4·0	− 5·1	− 7·7	−11·6	−17·1	−22·5	−27·2	**−29·5**	−26·7	−15·6	− 2·4	+14·4	+26·2	**+29·4**	+27·9	+23·0	+17·7	+12·4	+ 9·8	+ 6·7	+ 3·7	+ 1·0	− 0·6	− 2·4

VERTICAL COMPONENT (*all days except Jan.* 7; *Feb.* 5; *June* 4, 5; *July* 8).

318. Eskdalemuir. **1927.**

	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ..	− 0·7	− 2·4	**− 4·5**	− 4·1	− 3·6	− 3·6	− 2·9	− 2·1	− 2·0	− 2·2	− 2·8	− 3·3	− 3·4	+ 0·4	+ 3·1	+ 3·2	+ 3·6	+ 4·9	**+ 5·5**	+ 4·5	+ 4·2	+ 4·3	+ 3·3	+ 0·9
Feb. ..	− 2·9	− 4·2	− 4·2	− 5·3	− 4·9	− 4·3	− 4·3	− 3·9	− 4·6	− 5·7	− 6·1	**− 6·1**	− 5·3	− 2·7	+ 1·4	+ 4·7	+ 7·2	+ 8·6	+ 9·1	**+11·6**	+11·5	+ 8·1	+ 4·4	− 2·0
Mar. ..	−11·2	−10·4	**−11·9**	−11·4	−11·3	− 9·6	− 6·5	− 3·7	− 3·9	− 6·1	− 8·9	− 9·9	− 5·4	+ 0·9	+ 8·7	+15·8	**+21·7**	+21·1	+18·4	+14·1	+11·7	+ 6·5	+ 1·2	−10·0
April ..	− 6·2	− 6·3	− 5·7	− 4·2	− 4·8	− 4·3	− 3·1	− 2·4	− 5·0	− 9·1	−11·4	**−11·7**	− 7·5	+ 0·9	+ 7·6	+13·7	**+17·1**	+15·7	+12·3	+10·0	+ 5·6	+ 2·1	− 0·1	− 3·2
May ..	− 2·7	− 4·9	− 7·4	− 7·9	− 5·5	− 4·0	− 3·4	− 3·0	− 5·7	− 9·6	−13·0	**−14·6**	−10·6	− 3·2	+ 5·0	**+11·3**	+15·2	**+15·9**	+14·9	+13·8	+11·0	+ 6·3	+ 2·7	− 0·6
June ..	+ 0·1	+ 0·4	+ 0·7	+ 1·1	+ 1·5	+ 1·4	+ 1·2	− 0·6	− 5·1	−10·1	−13·4	**−14·9**	−11·6	− 6·8	− 1·6	+ 4·1	+ 8·1	+10·1	**+10·5**	+10·1	+ 7·1	+ 4·6	+ 2·1	+ 1·2
July ..	− 1·5	− 4·0	− 7·1	− 6·0	− 1·9	− 4·0	− 5·7	− 3·8	− 4·5	− 8·2	−11·1	**−12·6**	− 8·5	− 2·4	+ 3·0	+ 9·8	+12·6	**+14·1**	+13·9	+12·3	+ 9·1	+ 4·9	+ 1·8	− 0·3
Aug. ..	−12·6	**−14·1**	−13·3	− 6·2	− 1·4	− 0·1	+ 0·6	− 0·9	− 3·2	− 5·5	− 8·5	−10·4	− 6·2	+ 0·9	+ 7·8	+12·1	+17·3	**+19·9**	+16·3	+12·0	+ 6·2	+ 2·1	− 5·1	− 7·8
Sept. ..	**− 9·3**	− 9·1	− 8·5	− 6·3	− 4·8	− 3·1	− 0·6	− 0·4	− 3·3	− 6·3	− 8·3	− 8·6	− 5·7	− 0·2	+ 8·0	+13·3	**+15·6**	+14·4	+12·5	+10·4	+ 6·8	+ 1·7	− 2·6	− 5·7
Oct. ..	−13·7	**−16·9**	−16·8	−16·9	−13·8	−10·8	− 5·4	− 1·8	− 0·8	− 1·0	− 0·6	+ 0·5	+ 6·4	+11·5	+16·5	**+20·8**	+19·4	+17·6	+10·5	+ 9·5	+ 6·1	− 0·7	− 8·1	−11·9
Nov. ..	− 2·1	− 2·7	− 2·9	− 2·5	− 2·5	− 2·7	− 2·7	− 2·4	− 1·9	− 2·9	**− 3·0**	− 2·6	− 1·1	+ 1·2	+ 2·9	+ 3·5	+ 4·4	+ 4·5	**+ 4·6**	+ 4·4	+ 3·1	+ 2·5	+ 1·3	− 0·1
Dec. ..	− 3·7	− 5·8	− 6·3	− 6·0	− 6·0	**− 6·5**	− 5·7	− 4·7	− 3·6	− 2·3	− 2·1	− 1·9	− 0·4	+ 4·0	+ 6·0	+ 7·9	+ 6·9	+ 7·6	**+ 9·0**	+ 7·2	+ 4·7	+ 2·3	+ 0·8	− 1·3
Year ..	− 5·5	− 6·7	− 7·3	− 6·3	− 4·9	− 4·3	− 3·2	− 2·5	− 3·6	− 5·8	− 7·4	**− 8·0**	− 4·9	+ 0·4	+ 5·7	+10·0	+12·4	**+12·9**	+11·5	+10·0	+ 7·3	+ 3·7	+ 0·1	− 3·4
Winter	− 2·4	− 3·8	− 4·5	**− 4·5**	− 4·3	− 4·3	− 3·9	− 3·3	− 3·0	− 3·3	− 3·5	− 3·5	− 2·6	+ 0·7	+ 3·4	+ 4·8	+ 5·5	+ 6·4	**+ 7·0**	+ 6·9	+ 5·9	+ 4·3	+ 2·5	− 0·6
Equinox	−10·1	−10·7	**−10·7**	− 9·7	− 8·7	− 6·9	− 3·9	− 2·1	− 3·2	− 5·6	− 7·3	− 7·4	− 3·1	+ 3·3	+10·2	+15·9	**+18·5**	+17·2	+13·4	+11·0	+ 7·5	+ 2·4	− 2·4	− 7·7
Summer	− 4·2	− 5·7	− 6·8	− 4·7	− 1·8	− 1·7	− 1·8	− 2·1	− 4·6	− 8·4	−11·5	**−13·1**	− 9·2	− 2·9	+ 3·5	+ 9·3	+13·3	**+15·0**	+13·9	+12·1	+ 8·4	+ 4·5	+ 0·4	− 1·9

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE.

"ALL" DAYS.

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

DECLINATION (measured positive towards the West) (*all days except Jan. 7; Feb. 5; June 4, 5; July 8*).

319. Eskdalemuir. **1927.**

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

INCLINATION (*all days except Jan. 7; Feb. 5; June 4, 5; July 8*).

320. Eskdalemuir. **1927.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·18	−0·19	−0·32	−0·38	−0·53	**−0·64**	−0·61	−0·36	−0·05	+0·32	+0·55	**+0·76**	+0·68	+0·44	+0·35	+0·15	+0·04	+0·15	+0·03	−0·17	+0·01	+0·02	−0·02	−0·06
Feb. ...	−0·20	−0·29	−0·36	−0·47	−0·44	**−0·56**	−0·50	−0·31	−0·10	+0·33	+0·70	**+0·75**	+0·73	+0·65	+0·28	+0·21	+0·01	−0·07	−0·15	−0·07	+0·13	−0·08	+0·04	−0·25
Mar. ...	−0·64	−0·53	−0·70	−0·55	**−0·73**	−0·61	−0·44	+0·03	+0·65	+1·30	**+1·51**	+1·23	+0·98	+0·44	+0·11	−0·10	+0·06	−0·18	−0·29	−0·32	−0·11	−0·19	−0·37	−0·55
April ...	−0·74	−0·68	−0·69	−0·58	−0·71	−0·60	−0·30	+0·38	+1·41	+2·34	**+2·68**	+2·17	+1·54	+0·75	−0·04	−0·39	−0·78	−0·64	−0·82	−0·83	**−0·95**	−0·86	−0·78	−0·89
May ...	−0·36	−0·38	−0·36	−0·56	−0·34	−0·08	+0·56	+1·17	+1·80	**+2·06**	+1·98	+1·46	+1·00	+0·46	−0·22	−1·01	−1·34	**−1·43**	−1·39	−1·01	−0·60	−0·44	−0·49	−0·47
June ...	−0·28	−0·23	−0·24	−0·18	−0·07	+0·15	+0·60	+1·25	+1·73	**+1·89**	+1·76	+1·24	+0·69	+0·21	−0·29	−0·62	−1·06	−1·35	**−1·57**	−1·24	−1·01	−0·61	−0·41	−0·34
July ...	−0·33	−0·04	+0·04	−0·34	−0·11	+0·68	+0·71	+1·14	+1·80	**+2·07**	+2·00	+1·27	+0·73	+0·13	−0·63	−0·95	−1·17	**−1·44**	−1·41	−1·19	−1·03	−0·81	−0·64	−0·49
Aug. ...	−0·39	−0·49	−0·49	−0·33	−0·22	+0·01	+0·82	+1·28	+1·68	**+2·07**	+1·80	+1·35	+0·76	+0·38	−0·01	−0·51	−0·93	−1·09	**−1·20**	−1·10	−1·06	−0·87	−0·83	−0·62
Sept. ...	**−1·10**	−0·67	−0·59	−0·59	−0·51	−0·39	+0·09	+0·91	+1·39	**+1·88**	+1·83	+1·51	+0·84	+0·58	+0·20	+0·11	−0·34	−0·57	−0·85	−0·64	−0·58	−0·99	−0·76	−0·77
Oct. ...	−0·60	**−0·85**	−0·76	−0·83	−0·72	−0·67	−0·26	+0·30	+1·16	+1·67	**+2·03**	+1·18	+0·81	+0·40	+0·11	−0·10	−0·28	−0·30	−0·29	−0·37	−0·45	−0·30	−0·43	−0·48
Nov. ...	−0·24	−0·23	−0·29	−0·38	−0·53	**−0·64**	−0·57	−0·24	+0·21	+0·75	**+0·88**	+0·71	+0·50	+0·38	+0·30	+0·09	−0·01	−0·05	0·00	−0·12	**−0·14**	−0·09	−0·10	−0·20
Dec.	−0·01	−0·06	−0·31	−0·46	−0·63	**−0·83**	−0·61	−0·44	−0·08	+0·26	**+0·43**	+0·41	+0·21	+0·34	+0·34	+0·26	+0·11	+0·23	+0·39	+0·27	+0·17	+0·03	+0·01	−0·02
Year ...	−0·42	−0·39	−0·42	−0·47	−0·46	−0·35	−0·04	+0·43	+0·97	+1·41	**+1·51**	+1·17	+0·79	+0·43	+0·04	−0·24	−0·47	−0·56	**−0·63**	−0·57	−0·47	−0·43	−0·40	−0·43
Winter ...	−0·16	−0·19	−0·32	−0·42	−0·53	**−0·67**	−0·57	−0·34	−0·01	+0·41	+0·64	**+0·66**	+0·53	+0·45	+0·32	+0·18	+0·04	+0·07	+0·07	−0·02	+0·04	−0·03	−0·02	−0·13
Equinox ...	**−0·77**	−0·68	−0·69	−0·64	−0·67	−0·57	−0·23	+0·41	+1·15	+1·80	**+2·01**	+1·52	+1·04	+0·54	+0·09	−0·12	−0·33	−0·42	−0·56	−0·54	−0·52	−0·59	−0·59	−0·67
Summer ...	−0·34	−0·29	−0·26	−0·35	−0·19	+0·19	+0·67	+1·21	+1·75	**+2·02**	+1·89	+1·33	+0·79	+0·29	−0·29	−0·77	−1·13	−1·33	**−1·39**	−1·13	−0·93	−0·68	−0·59	−0·48

HORIZONTAL FORCE (*all days except Jan. 7; Feb. 5; June 4, 5; July 8*).

321. Eskdalemuir. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 2·4	+ 1·9	+ 3·0	+ 4·1	+ 6·5	**+ 8·2**	+ 8·1	+ 4·5	+ 0·1	− 5·6	− 9·2	**−12·5**	−11·3	− 6·4	− 4·1	− 1·0	+ 0·7	− 0·4	+ 1·7	+ 4·1	+ 1·5	+ 1·2	+ 1·5	+ 1·2
Feb. ...	+ 1·8	+ 2·8	+ 3·8	+ 5·0	+ 4·7	**+ 6·7**	+ 5·8	+ 3·2	− 0·3	− 7·1	−12·7	**−13·5**	−12·8	−10·7	− 3·7	− 1·4	+ 2·6	+ 4·2	+ 5·6	+ 5·3	+ 2·3	+ 4·1	+ 1·0	+ 3·0
Mar. ...	+ 5·4	+ 4·0	+ 6·1	+ 3·9	+ 6·6	+ 5·5	+ 4·2	− 1·8	−11·1	−21·6	**−25·8**	−21·9	−16·5	− 6·2	+ 1·5	+ 7·3	+ 7·1	+10·4	**+11·1**	+10·0	+ 5·9	+ 5·3	+ 6·0	+ 4·4
April ...	+ 8·7	+ 7·8	+ 8·1	+ 7·0	+ 8·7	+ 7·4	+ 3·3	− 6·6	−22·9	−38·1	**−44·1**	−36·5	−25·6	−10·8	+ 3·5	+10·9	**+17·9**	+15·3	+16·8	+16·0	+16·2	+13·5	+11·5	+12·0
May ...	+ 4·3	+ 3·8	+ 2·6	+ 5·4	+ 3·1	− 0·3	− 9·6	−18·4	−28·8	−34·1	**−34·2**	−27·1	−18·8	− 8·0	+ 5·1	+19·2	+25·5	**+27·2**	+26·1	+20·0	+12·9	+ 8·9	+ 8·3	+ 6·7
June ...	+ 4·1	+ 3·6	+ 3·9	+ 3·1	+ 1·6	− 1·7	− 8·4	−18·9	−27·6	**−31·8**	−31·1	−23·9	−14·5	− 5·6	+ 3·7	+10·7	+18·7	+23·8	**+27·2**	+22·2	+17·7	+10·8	+ 6·9	+ 5·5
July ...	+ 4·3	− 0·9	− 3·2	+ 2·8	+ 0·9	−11·6	−12·6	−18·3	−28·3	**−33·8**	−33·7	−23·6	−14·0	− 2·9	+10·5	+17·8	+22·0	**+26·6**	+26·0	+22·1	+18·7	+13·9	+10·1	+ 7·1
Aug. ...	+ 1·1	+ 2·0	+ 2·3	+ 2·7	+ 2·7	− 0·2	−11·9	−19·4	−26·0	**−32·8**	−29·9	−23·8	−13·6	− 5·4	+ 3·1	+12·1	+20·2	+23·6	**+23·9**	+20·8	+18·1	+13·7	+10·5	+ 6·3
Sept. ...	+11·7	+ 6·7	+ 5·7	+ 6·5	+ 5·8	+ 4·6	− 1·5	−13·7	−21·8	**−30·2**	−30·2	−25·6	−14·6	− 8·6	+ 0·1	+ 3·2	+10·8	+13·8	**+17·3**	+13·4	+11·1	+15·3	+10·4	+ 9·3
Oct. ...	+ 3·9	+ 6·3	+ 5·0	+ 6·0	+ 5·6	+ 5·9	+ 1·9	− 5·1	−17·5	−25·2	**−30·3**	−17·8	− 9·6	− 1·6	+ 4·4	+ 9·2	**+11·4**	+11·0	+ 8·2	+ 9·0	+ 8·9	+ 4·2	+ 3·4	+ 2·7
Nov. ...	+ 2·7	+ 2·4	+ 3·2	+ 4·7	+ 6·9	**+ 8·5**	+ 7·4	+ 2·7	− 3·8	−12·2	**−14·2**	−11·6	− 7·8	− 5·1	− 3·3	0·0	+ 1·8	+ 2·4	+ 1·7	+ 3·4	+ 3·2	+ 2·2	+ 1·9	+ 2·9
Dec. ...	− 1·2	− 1·2	+ 2·3	+ 4·7	+ 7·1	**+ 9·9**	+ 7·0	+ 4·9	− 0·1	− 4·8	**− 7·1**	− 6·8	− 3·3	− 3·6	− 2·8	− 0·9	+ 0·8	− 0·6	− 2·5	− 1·4	− 0·7	+ 0·4	+ 0·1	− 0·2
Year ...	+ 4·1	+ 3·3	+ 3·6	+ 4·7	+ 5·0	+ 3·6	− 0·5	− 7·2	−15·7	−23·1	**−25·2**	−20·4	−13·5	− 6·2	+ 1·5	+ 7·3	+11·6	+13·1	**+13·6**	+12·1	+ 9·7	+ 7·8	+ 6·0	+ 5·1
Winter ...	+ 1·4	+ 1·5	+ 3·1	+ 4·6	+ 6·3	**+ 8·3**	+ 7·1	+ 3·8	− 1·0	− 7·4	−10·8	**−11·1**	− 8·8	− 6·5	− 3·5	− 0·8	+ 1·5	+ 1·4	+ 1·6	+ 2·9	+ 1·6	+ 2·0	+ 1·1	+ 1·7
Equinox ...	+ 7·4	+ 6·2	+ 6·2	+ 5·9	+ 6·7	+ 5·9	+ 2·0	− 6·8	−18·3	−28·8	**−32·6**	−25·5	−16·6	− 6·8	+ 2·4	+ 7·6	+11·8	+12·6	**+13·3**	+12·1	+10·5	+ 9·6	+ 7·8	+ 7·1
Summer ...	+ 3·5	+ 2·1	+ 1·4	+ 3·5	+ 2·1	− 3·5	−10·6	−18·7	−27·7	**−33·1**	−32·2	−24·6	−15·2	− 5·5	+ 5·6	+14·9	+21·6	+25·3	**+25·8**	+21·3	+16·9	+11·8	+ 8·9	+ 6·4

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—INTERNATIONAL QUIET DAYS.

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

NORTH COMPONENT (*Quiet Days*).

322. Eskdalemuir. **1927.**

Month and Season.	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 4·6	+ 3·0	+ 4·6	+ 3·4	+ 4·6	+ 7·7	+ **8·9**	+ 6·7	+ 2·7	− 3·7	−11·7	**−16·1**	−14·9	−11·3	− 7·1	− 6·1	− 2·3	− 0·3	+ 2·4	+ 4·2	+ 5·4	+ 4·6	+ 4·0	+ 5·8
Feb. ...	+ 7·7	+ 6·9	+ 6·7	+ **8·0**	+ 7·4	+ 7·8	+ 6·8	+ 2·8	− 0·6	−13·1	−19·5	**−22·5**	−21·5	−16·9	− 8·6	− 4·0	+ 1·8	+ 5·0	+ 7·8	+ 8·0	+ 7·7	+ 7·9	+ 7·5	+ 7·3
Mar. ...	+ 8·7	+ 7·2	+ 8·5	+ 9·7	+ 9·5	+11·2	+11·1	+ 7·7	+ 0·9	−13·6	−23·1	**−30·5**	−29·1	−24·4	−17·1	− 7·9	+ 1·5	+ 6·0	+ 9·3	+10·5	**+11·3**	+10·8	+10·7	+10·5
April ...	+10·3	+ 9·6	+10·2	+10·6	+13·3	+15·3	+13·9	+ 5·8	− 9·6	−29·8	−41·5	**−42·9**	−35·3	−23·2	− 9·4	− 0·0	+ 9·9	+14·7	**+16·3**	+15·6	+13·6	+11·8	+10·3	+10·3
May ...	+ 7·2	+ 5·0	+ 7·7	+ 9·2	+10·4	+ 8·3	+ 1·8	− 8·0	−19·9	−31·4	**−34·8**	−32·9	−23·6	−17·2	− 7·3	+ 2·8	+10·8	+20·5	**+21·8**	+19·2	+13·1	+12·4	+13·0	+12·1
June ...	+ 6·4	+ 6·2	+ 8·1	+10·5	+ 9·8	+ 7·8	+ 1·7	− 7·5	−17·2	−27·4	**−29·5**	−25·7	−21·0	−16·6	− 5·5	+ 3·5	+11·8	**+17·8**	+16·9	+14·1	+11·2	+10·2	+ 8·3	+ 6·3
July ...	+ 6·9	+ 6·2	+ 6·1	+ 6·6	+ 7·7	+ 2·5	− 3·2	− 9·9	−21·4	−27·9	**−31·6**	−25·5	−16·2	− 4·5	+ 4·2	+10·9	+13·3	**+17·2**	+14·1	+12·8	+ 9·7	+ 7·2	+ 7·3	+ 7·4
Aug. ...	+ 9·9	+ 7·0	+ 7·8	+ 5·5	+ 6·1	+ 4·4	− 1·0	− 8·7	−16·7	−23·2	**−24·2**	−21 1	−16·9	−15·0	− 4·8	+ 4·9	+ 7·9	+12·6	**+14·4**	+14·3	+11·9	+11·8	+ 5·0	+ 8·3
Sept. ...	+10·7	+ 8·9	+10·5	+ 7·8	+ 8·6	+ 8·8	+ 4·8	− 1·4	−11·9	−22·5	**−28·5**	−24·5	−21·3	−14·5	− 8·7	− 1·8	+ 2·2	+ 8·8	+11·8	**+13·4**	+ 8·1	+10·3	+ 9·7	+10·7
Oct. ...	+ 9·3	+ 9·9	+ 9·7	+ 8·9	+ 9·9	**+11·9**	+ 7·9	+ 0·9	−12·3	−23·7	**−28·1**	−26·7	−20·7	−13·5	− 5·3	− 0·1	+ 3·3	+ 6·3	+ 7·9	+ 9·3	+ 8·3	+ 9·5	+ 9·5	+ 7·9
Nov. ...	+ 5·7	+ 4·9	+ 4·8	+ 6·5	+ 8·1	+ **8·6**	+ 6·9	+ 3·5	− 3·2	−13·7	−18·7	**−18·8**	−14·7	− 9·5	− 6·2	− 2·1	+ 2·7	+ 3·4	+ 5·3	+ 6·3	+ 5·8	+ 4·7	+ 4·5	+ 5·0
Dec. ...	0·0	− 0·4	+ 1·0	+ 2·2	+ 3·1	+ **4·3**	+ 3·3	+ 1·9	− 1·9	− 4·5	− 7·7	**− 8·0**	− 4·8	− 2·0	− 1·4	− 0·8	+ 1·5	+ 2·7	+ 2·3	+ 2·1	+ 3·1	+ 1·3	+ 1·5	+ 1·2
Year ...	+ 7·3	+ 6·2	+ 7·1	+ 7·4	+ 8·2	+ 8·2	+ 5·3	− 0·5	− 9·3	−19·5	**−24·9**	−24·6	−20·0	−14·1	− 6·4	− 0·1	+ 5·4	+ 9·5	**+10·9**	+10·8	+ 9·1	+ 8·5	+ 7·6	+ 7·7
Winter ...	+ 4·5	+ 3·6	+ 4·3	+ 5·1	+ 5·8	+ **7·1**	+ 6·5	+ 3·7	− 0·7	− 8·7	−14·4	**−16·3**	−14·0	− 9·9	− 5·8	− 3·2	+ 0·9	+ 2·7	+ 4·5	+ 5·1	+ 5·5	+ 4·7	+ 4·4	+ 4·8
Equinox ...	+ 9·7	+ 8·9	+ 9·7	+ 9·3	+10·3	+11·8	+ 9·4	+ 3·3	− 8·2	−22·4	−30·3	**−31·1**	−26·6	−18·9	−10·1	− 2·4	+ 4·3	+ 9·0	+11·3	**+12·2**	+10·3	+10·6	+10·1	+ 9·9
Summer ...	+ 7·6	+ 6·1	+ 7·5	+ 7·9	+ 8·5	+ 5·7	− 0·2	− 8·5	−18·8	−27·5	**−30·0**	−26·3	−19·4	−13·3	− 3·3	+ 5·5	+10·9	**+17·0**	+16·8	+15·1	+11·5	+10·4	+ 8·4	+ 8·5

WEST COMPONENT (*Quiet Days*).

323. Eskdalemuir. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 3·8	− 1·8	− 2·1	− 2·3	− 1·5	− 2·3	− 4·1	− 5·5	− 6·5	**− 9·0**	− 5·0	+ 4·8	**+13·2**	+13·0	+ 8·7	+ 5·7	+ 4·9	+ 3·5	+ 3·1	− 0·3	− 2·5	− 3·0	− 3·4	− 4·0
Feb. ...	− 1·5	− 2·8	− 3·9	− 3·2	− 2·5	− 4·6	− 5·4	− 9·5	**−12·8**	−10·1	− 4·4	+ 2·5	+11·4	+12·5	**+12·6**	+ 8·3	+ 7·0	+ 6·5	+ 6·1	+ 2·2	− 1·3	− 2·2	− 2·7	− 2·2
Mar. ...	− 3·8	− 3·4	− 4·3	− 5·3	− 7·5	− 7·6	−12·6	−19·4	**−24·5**	−19·1	− 6·9	+ 9·8	+26·8	**+29·8**	+23·1	+15·3	+ 9·1	+ 5·0	+ 2·6	+ 0·8	− 1·3	− 1·5	− 1·3	− 3·6
April ...	+ 2·0	+ 1·0	+ 1·5	+ 0·7	− 1·9	− 9·7	−23·0	−34·6	**−39·6**	−34·2	−16·7	+ 7·7	+29·1	**+32·3**	+26·8	+17·2	+10·4	+ 8·2	+ 6·9	+ 4·9	+ 4·9	+ 3·9	+ 2·0	+ 0·4
May ...	+ 2·9	+ 0 8	+ 1·5	− 6·7	−12·5	−22·0	−30·0	**−33·3**	−31·5	−19·8	− 3·0	+12·1	+23·9	**+26·6**	+23·9	+18·9	+11·5	+ 8·4	+ 6·6	+ 5·1	+ 5·5	+ 6·6	+ 4·6	+ 3·1
June ...	+ 0;3	− 1·6	− 5·3	−11·2	−18·0	−26·3	**−28·6**	−28·3	−26·3	−14·6	− 3·3	+11·6	+21·4	+22·5	**+23·2**	+18·7	+16·1	+13·4	+10·5	+ 8·6	+ 6·4	+ 5·9	+ 3·8	+ 1·1
July ...	− 2·0	− 2·9	− 5·9	− 8·2	−15·5	−26·4	−30·7	**−34·9**	−27·8	−13·7	+ 1·0	+16·1	+25·2	**+30·5**	+28·9	+22·2	+15·1	+ 9·2	+ 6·1	+ 4·3	+ 4·8	+ 3·1	+ 1·8	− 0·3
Aug. ...	0·0	− 1·5	− 5·5	− 8·3	−11·9	−18·3	−22·5	**−26·3**	−21·3	−10·9	+ 2·5	+16·9	**+25·3**	+23·1	+17·9	+12·6	+ 5·8	+ 2·6	+ 5·6	+ 6·8	+ 4·0	+ 1·4	+ 0·4	+ 1·6
Sept. ...	+ 0·9	− 2·2	− 4·8	− 4·7	− 4·6	− 6·5	−14·9	−21·2	**−22·5**	−14·4	− 2·4	+14·5	+21·4	**+23·1**	+17·9	+13·4	+ 7·7	+ 2·0	+ 3·6	+ 0·9	− 2·6	− 1·1	− 2·3	− 1·0
Oct. ...	− 0·5	− 3·2	− 3·3	− 2·1	− 2·5	− 7·6	−11·8	−17·7	**−21·3**	−10·0	− 0·4	+14·1	**+19·9**	+18·6	+15·7	+ 8·5	+ 5·1	+ 3·8	+ 1·0	− 0·1	− 0·9	− 0·8	− 1·4	− 2·9
Nov. ...	− 1·5	− 1·5	− 2·4	− 0·9	− 1·2	− 2·6	− 4·0	− 7·8	**−12·1**	−10·3	− 1·9	+ 7·5	+11·5	**+12·3**	+ 8·7	+ 6·7	+ 6·0	+ 3·0	+ 2·2	+ 0·4	− 1·8	− 2·9	− 4·1	− 3·3
Dec. ...	− 3·6	− 2·4	− 3·1	− 1·8	− 0·9	− 1·9	− 3·4	− 4·5	− 4·2	0·0	+ 4·5	+ 8·8	**−11·1**	+ 9·9	+ 6·4	+ 3·9	+ 2·6	+ 1·4	− 0·1	− 3·4	− 4·9	− 4·5	− 4·6	**− 5·5**
Year ...	− 0·9	− 1·8	− 3·4	− 4·5	− 6·7	−11·3	−15·9	−20·3	**−20·9**	−13·8	− 3·0	+10·5	+20·0	**+21·2**	+17·8	+12·6	+ 8·4	+ 5·6	+ 4·5	+ 2·5	+ 0·8	+ 0·4	− 0·6	− 1·4
Winter ...	− 2·6	− 2·1	− 2·9	− 2·0	− 1·5	− 2·8	− 4·2	− 6·8	**− 8·9**	− 7·3	− 1·7	+ 5·9	+11·8	**+11·9**	+ 9·1	+ 6·2	+ 5·2	+ 3·6	+ 2·8	− 0·3	− 2·7	− 3·1	− 3·7	− 3·7
Equinox ...	− 0·4	− 1·9	− 2·7	− 2·9	− 4·1	− 7·8	−15·6	−23·2	**−27·0**	−19·4	− 6·6	+11·5	+24·3	**+26·0**	+20·9	+13·6	+ 8·1	+ 4·8	+ 3·5	+ 1·6	0·0	+ 0·1	− 0·8	− 1·8
Summer ...	+ 0·3	− 1·3	− 4·5	− 8·6	−14·5	−23·3	−28·0	**−30·7**	−26·7	−14·7	− 0·7	+14·2	+23·9	**+25·7**	+23·5	+18·1	+12·1	+ 8·4	+ 7·2	+ 6·2	+ 5·2	+ 2	+ 2·7	+ 1·4

VERTICAL COMPONENT (*Quiet Days*).

324. Eskdalemuir. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·1	− 0·8	− 0·1	+ 0·3	+ 0·2	− 0·3	− 0·3	− 1·0	− 1·5	− 0·8	− 2·7	**− 4·3**	− 4·0	− 0·3	+ 1·5	+ 2·4	+ 2·3	**+ 2·4**	+ 2·1	+ 2·1	+ 1·6	+ 1·1	+ 0·9	+ 0·2
Feb. ...	− 0·1	+ 0·1	+ 0·2	+ 0·3	+ 0·7	+ 0·6	+ 0·1	+ 1·3	+ 0·8	− 1·9	− 4·3	**− 5·6**	− 5·1	− 3·5	− 1·0	+ 0·7	+ 1·9	+ 2·6	+ 2·7	**+ 3·1**	+ 2·8	+ 1·7	+ 1·3	+ 0·6
Mar. ...	+ 3·0	+ 3·2	+ 3·2	+ 3·2	+ 3·2	+ 2·6	+ 2·5	+ 2·7	+ 0·1	− 5·1	−11·5	**−16·3**	−14·9	− 8·5	− 0·7	+ 3·1	+ **4·9**	+ 4·5	+ 4·1	+ 4·0	+ 3·8	+ 3·4	+ 2·8	+ 2·8
April ...	+ 2·6	+ 2·7	+ 2·6	+ 2·3	+ 2·2	+ 4·5	+ **6·4**	+ 4·9	+ 2·3	− 3·8	− 8·7	**−13·6**	**−14·5**	− 9·0	− 2·7	+ 1·2	+ 3·5	+ 3·4	+ 2·7	+ 2·7	+ 1·9	+ 1·9	+ 2·2	+ 2·3
May ...	− 0·6	+ 0·5	+ 1·5	+ 3·3	+ 4·6	+ 5·8	+ 5·6	+ 3·1	− 1·9	− 6·1	−11·0	**−14·2**	−12·2	− 8·7	− 3·5	+ 1·5	+ 3·8	+ 5·0	+ 6·0	+ **7·1**	+ 4·9	+ 2·9	+ 2·2	+ 0·8
June ...	+ 1·5	+ 1·7	+ 1·9	+ 2·5	+ 3·1	+ 3·3	+ 2·7	+ 1·5	− 1·7	− 7·3	−11·4	**−11·6**	− 7·6	− 5·6	− 4·4	− 1·4	+ 3·4	+ 6·6	+ **7·4**	+ 6·6	+ 4·2	+ 1·9	+ 1·5	+ 1·3
July ...	+ 2·9	+ 3·0	+ 3·3	+ 4·7	+ 5·4	+ 3·7	+ 1·3	− 1·0	− 3·5	−10·3	−16·0	**−16·9**	−13·3	− 8·2	− 1·5	+ 4·1	+ 7·6	+ **7·9**	+ 6·3	+ 5·6	+ 4·5	+ 3·9	+ 3·4	+ 2·7
Aug. ...	− 1·0	− 0·5	+ 0·7	+ 2·6	+ 3·7	+ 3·0	+ 4·0	+ 2·5	− 0·6	− 6·3	− 8·3	**−13·0**	−11·3	− 3·4	+ 0·6	+ 3·3	+ 4·8	+ **5·3**	+ 4·3	+ 2·8	+ 2·7	+ 3·0	+ 1·2	+ 0·1
Sept. ...	− 0·3	− 0·2	+ 0·2	+ 0·3	− 0·3	+ 0·6	+ 2·6	+ 2·3	− 1·3	− 5·8	− 9·4	**−11·1**	− 8·5	− 4·0	0·0	+ 2·5	+ **5·5**	+ 5·0	+ 4·8	+ 5·3	+ 4·9	+ 2·8	+ 2·4	+ 1·5
Oct. ...	− 0·1	0·0	− 0·3	− 1·2	− 1·3	− 1·5	+ 0·8	+ 1·7	+ 0·8	− 3·9	**− 6·6**	− 6·5	− 4·5	− 2·4	+ 1·1	+ **3·6**	+ 3·5	+ 2·9	+ 3·6	+ 2·7	+ 2·6	+ 2·1	+ 1·8	+ 1·1
Nov. ...	− 0·3	− 0·7	− 0·7	− 1·0	− 1·6	− 1·7	− 1·1	− 0·7	− 0·7	− 2·4	**− 2·8**	− 2·1	− 1·3	− 0·1	+ 2·3	+ 2·0	+ **2·4**	+ 2·1	+ 2·3	+ 1·9	+ 1·3	+ 1·2	+ 1·2	+ 0·5
Dec. ...	+ 0·2	− 0·5	− 1·6	− 1·7	− 1·6	− 1·6	− 1·9	**− 2·0**	− 1·7	− 1·8	− 1·3	− 1·5	0·0	+ 0·7	+ 1·2	+ 1·9	+ **2·6**	+ 2·6	+ 1·9	+ 2·0	+ 1·3	+ 1·2	+ 1·1	+ 0·5
Year ...	+ 0·5	+ 0·7	+ 0·9	+ 1·3	+ 1·5	+ 1·6	+ 1·9	+ 1·3	− 0·7	− 4·6	− 7·8	**− 9·7**	− 8·1	− 4·4	− 0·6	+ 2·1	+ 3·9	+ **4·2**	+ 4·0	+ 3·8	+ **3·1**	+ 2·3	+ 1·8	+ 1·2
Winter ...	− 0·3	− 0·5	− 0·5	− 0·5	− 0·5	− 0·8	− 0·8	− 0·6	− 0·8	− 1·7	− 2·7	**− 3·4**	− 2·6	− 0·8	+ 1·0	+ 1·7	+ 2·3	+ **2·4**	+ 2·3	+ 2·3	+ 1·8	+ 1·3	+ 1·1	+ 0·4
Equinox ...	+ 1·3	+ 1·4	+ 1·4	+ 1·2	+ 1·0	+ 1·5	+ 3·1	+ 2·9	+ 0·5	− 4·7	− 9·1	**−11·9**	−10·6	− 6·0	− 0·6	+ 2·6	+ **4·4**	+ 3·9	+ 3·8	+ 3·6	+ 3·3	+ 2·5	+ 2·3	+ 1·9
Summer ...	+ 0·7	+ 1·2	+ 1·9	+ 3·3	+ 4·2	+ 3·9	+ 3·4	+ 1·5	− 1·9	− 7·5	−11·7	**−13·9**	−11·1	− 6·5	− 2·2	+ 1·9	+ 4·9	+ **6·2**	+ 6·0	+ 5·5	+ 4·1	+ 2·9	+ 2·1	+ 1·2

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE.—INTERNATIONAL QUIET DAYS.

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

DECLINATION (measured positive towards the West) (*Quiet Days*).

325. Eskdalemuir. **1927.**

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

INCLINATION (*Quiet Days*).

326. Eskdalemuir. **1927.**

Jan. ...	′ −0·26	′ −0·18	′ −0·27	′ −0·18	′ −0·27	′ −0·47	′ **−0·51**	′ −0·36	′ −0·10	′ +0·38	′ +0·78	′ **+0·85**	′ +0·63	′ +0·49	′ +0·34	′ +0·35	′ +0·12	′ +0·01	′ −0·16	′ −0·22	′ −0·27	′ −0·22	′ −0·18	′ −0·30
Feb. ...	−0·48	−0·39	−0·36	−0·46	−0·42	−0·41	−0·34	+0·02	+0·29	+0·98	+1·24	**+1·28**	+1·06	+0·79	+0·31	+0·13	−0·19	−0·36	**−0·55**	−0·48	−0·40	−0·43	−0·40	−0·42
Mar. ...	−0·42	−0·33	−0·40	−0·46	−0·40	−0·53	−0·43	−0·09	+0·38	+1·09	+1·34	**+1·39**	+1·04	+0·84	+0·68	+0·31	−0·14	−0·37	−0·55	−0·60	**−0·62**	−0·59	−0·60	−0·55
April ...	−0·64	−0·58	−0·62	−0·64	−0·78	−0·71	−0·33	+0·36	+1·39	+2·45	**+2·77**	+2·31	+1·41	+0·70	+0·06	−0·28	−0·74	−1·02	**−1·11**	−1·04	−0·92	−0·79	−0·65	−0·62
May ...	−0·54	−0·32	−0·44	−0·40	−0·33	0·00	+0·56	+1·19	+1·81	**+2·24**	+2·04	+1·56	+0·80	+0·43	−0·04	−0·48	−0·81	−1·36	**−1·39**	−1·16	−0·83	−0·85	−0·87	−0·82
June ...	−0·38	−0·33	−0·39	−0·42	−0·24	+0·05	+0·47	+1·03	+1·54	**+1·86**	+1·69	+1·17	+0·79	+0·54	−0·17	−0·59	−0·97	**−1·23**	−1·10	−0·90	−0·74	−0·72	−0·57	−0·39
July ...	−0·34	−0·28	−0·21	−0·17	−0·09	+0·40	+0·79	+1·24	**+1·80**	+1·80	+1·64	+0·95	+0·27	−0·46	−0·83	−1·00	−0·94	**−1·08**	−0·87	−0·77	−0·60	−0·43	−0·42	−0·41
Aug. ...	−0·67	−0·44	−0·39	−0·14	−0·09	+0·12	+0·56	+1·10	+1·45	**+1·55**	+1·32	+0·75	+0·36	+0·48	0·00	−0·46	−0·50	−0·73	−0·93	**−0·98**	−0·78	−0·71	−0·30	−0·56
Sept. ...	−0·72	−0·54	−0·59	−0·42	−0·49	−0·44	+0·02	+0·53	+1·14	+1·57	**+1·66**	+1·06	+0·79	+0·43	+0·25	−0·06	−0·14	−0·48	−0·71	**−0·75**	−0·36	−0·58	−0·53	−0·64
Oct. ...	−0·60	−0·59	−0·58	−0·57	−0·63	**−0·68**	−0·28	+0·30	+1·20	+1·62	**+1·67**	+1·32	+0·88	+0·49	+0·09	−0·05	−0·22	−0·41	−0·44	−0·54	−0·46	−0·55	−0·55	−0·43
Nov. ...	−0·35	−0·31	−0·29	−0·43	−0·54	**−0·56**	−0·41	−0·10	+0·41	+1·01	**+1·18**	+1·03	+0·72	+0·40	+0·31	+0·06	−0·22	−0·22	−0·33	−0·37	−0·31	−0·23	−0·19	−0·26
Dec. ...	+0·07	+0·06	−0·05	−0·15	−0·22	**−0·28**	−0·20	−0·09	+0·15	+0·25	**+0·39**	+0·33	+0·11	−0·03	+0·01	+0·03	−0·07	−0·13	−0·10	−0·03	−0·08	+0·02	+0·01	+0·03
Year ...	−0·44	−0·35	−0·38	−0·37	−0·37	−0·29	−0·01	+0·43	+0·95	+1·40	**+1·48**	+1·17	+0·74	+0·43	+0·08	−0·17	−0·40	−0·61	**−0·69**	−0·65	−0·53	−0·51	−0·44	−0·45
Winter ...	−0·25	−0·21	−0·24	−0·31	−0·36	**−0·43**	−0·37	−0·13	+0·19	+0·65	**+0·90**	+0·87	+0·63	+0·41	+0·24	+0·14	−0·09	−0·17	−0·29	−0·27	−0·27	−0·21	−0·19	−0·24
Equinox ...	−0·59	−0·51	−0·55	−0·52	−0·57	−0·59	−0·25	+0·27	+1·03	+1·68	**+1·86**	+1·52	+1·03	+0·61	+0·27	−0·02	−0·31	−0·57	−0·70	**−0·73**	−0·59	−0·63	−0·58	−0·56
Summer ...	−0·48	−0·34	−0·36	−0·28	−0·19	+0·14	+0·59	+1·14	+1·65	**+1·86**	+1·67	+1·11	+0·55	+0·25	−0·26	−0·63	−0·81	**−1·10**	−1·07	−0·95	−0·74	−0·68	−0·54	−0·55

HORIZONTAL FORCE (*Quiet Days*).

327. Eskdalemuir **1927.**

Jan. ...	γ + 3·5	γ + 2·4	γ + 3·9	γ + 2·7	γ + 4·1	γ + 6·8	γ **+ 7·5**	γ + 5·0	γ + 0·9	γ − 5·9	γ −12·6	γ **−14·2**	γ −10·8	γ − 7·4	γ − 4·5	γ − 4·3	γ − 0·9	γ + 0·7	γ + 3·2	γ + 4·0	γ + 4·6	γ + 3·7	γ + 3·0	γ + 4·6
Feb. ...	+ 7·0	+ 5·9	+ 5·4	+ 6·9	+ 6·5	+ 6·3	+ 5·1	+ 0·1	− 4·0	−15·3	−20·0	**−21·0**	−17·7	−13·0	− 4·9	− 1·6	+ 3·6	+ 6·3	**+ 9·1**	+ 8·3	+ 7·0	+ 7·0	+ 6·5	+ 6·4
Mar. ...	+ 7·4	+ 6·1	+ 7·1	+ 8·0	+ 7·2	+ 8·8	+ 7·4	+ 2·3	− 5·6	−18·2	−24·1	**−26·8**	−20·9	−15·6	−10·3	− 3·5	+ 3·9	+ 7·2	+ 9·7	+10·4	**+10·6**	+10·0	+10·0	+ 9·2
April ...	+10·4	+ 9·6	+10·2	+10·4	+12·4	+12·2	+ 7·3	− 3·6	−19·8	−37·8	**−44·4**	−39·3	−26·3	−13·7	− 1·9	+ 4·5	+12·3	+16·4	**+17·5**	+16·4	+14·4	+12·4	+10·5	+10·0
May ...	+ 7·7	+ 5·0	+ 7·0	+ 7·1	+ 6·7	+ 2·2	− 6·2	−16·6	−27·6	**−35·5**	−34·4	−28·5	−16·4	− 9·6	− 0·7	+ 7·7	+13·4	+22·0	**+22·8**	+19·8	+14·1	+13·7	+13·7	+12·5
June ...	+ 6·3	+ 5·5	+ 6·4	+ 7·1	+ 4·7	+ 0·5	− 5·9	−14·8	−23·6	**−30·3**	−29·3	−21·7	−14·6	−10·1	+ 0·9	+ 8·3	+15·7	**+20·7**	+19·1	+15·9	+12·5	+11·4	+ 9·0	+ 6·3
July ...	+ 6·1	+ 5·2	+ 4·4	+ 4·2	+ 3·4	− 4·6	−11·3	−18·8	−28·0	**−30·5**	−30·2	−20·3	− 8·9	+ 3·8	+11·7	+16·4	+16·8	**+19·0**	+15·2	+13·5	+10·6	+ 7·8	+ 7·5	+ 7·1
Aug. ...	+ 9·6	+ 6·3	+ 6·1	+ 3·1	+ 2·7	− 0·6	− 6·9	−15·4	−21·7	**−25·3**	−22·7	−15·9	− 9·6	− 8·4	+ 0·1	+ 8·0	+ 9·2	+12·8	+15·4	**+15·6**	+12·6	+11·7	+ 5·0	+ 8·4
Sept. ...	+10·5	+ 8·0	+ 8·8	+ 6·3	+ 7·1	+ 6·8	+ 0·7	− 7·0	−17·4	−25·5	**−28·1**	−19·8	−14·9	− 7·9	− 3·7	+ 1·8	+ 4·2	+ 9·0	+12·3	**+13·1**	+ 7·2	+ 9·7	+ 8·8	+10·0
Oct. ...	+ 8·8	+ 8·7	+ 8·5	+ 8·0	+ 8·9	**+ 9·5**	+ 4·5	− 3·8	−17·5	−25·5	**−27·2**	−22·0	−14·7	− 8·1	− 1·0	+ 2·2	+ 4·5	+ 7·1	+ 7·9	+ 8·9	+ 7·8	+ 9·0	+ 8·8	+ 6·9
Nov. ...	+ 5·1	+ 4·3	+ 4·0	+ 6·1	+ 7·5	**+ 7·6**	+ 5·6	+ 1·3	− 6·3	−15·9	**−18·5**	−16·1	−11·1	− 5·9	− 3·7	− 0·2	+ 4·2	+ 4·1	+ 5·7	+ 6·2	+ 5·1	+ 3·8	+ 3·2	+ 4·0
Dec. ...	− 1·0	− 1·0	+ 0·2	+ 1·7	+ 2·7	**+ 3·6**	+ 2·3	+ 0·7	− 2·9	− 4·3	**− 6·2**	− 5·4	− 1·7	+ 0·7	+ 0·4	+ 0·3	+ 2·1	+ 2·9	+ 2·2	+ 1·1	+ 1·7	+ 0·1	+ 0·3	− 0·3
Year ...	+ 6·8	+ 5·5	+ 6·0	+ 6·0	+ 6·2	+ 4·9	+ 0·8	− 5·9	−14·5	−22·5	**−24·8**	−20·9	−14·0	− 7·9	− 1·5	+ 3·3	+ 7·4	+10·7	**+11·7**	+11·1	+ 9·0	+ 8·4	+ 7·2	+ 7·1
Winter ...	+ 3·7	+ 2·9	+ 3·4	+ 4·3	+ 5·2	**+ 6·1**	+ 5·1	+ 1·8	− 3·1	−10·3	**−14·3**	−14·2	−10·3	− 6·4	− 3·2	− 1·5	+ 2·3	+ 3·5	+ 5·1	+ 4·9	+ 4·6	+ 3·7	+ 3·3	+ 3·7
Equinox ...	+ 9·3	+ 8·1	+ 8·7	+ 8·2	+ 8·9	+ 9·3	+ 5·0	− 3·0	−15·1	−26·7	**−30·9**	−27·0	−19·2	−11·3	− 4·2	+ 1·3	+ 6·2	+ 9·9	+11·9	**+12·2**	+10·0	+10·3	+ 9·5	+ 9·0
Summer ...	+ 7·4	+ 5·5	+ 6·0	+ 5·4	+ 4·4	− 0·6	− 7·6	−16·4	−25·2	**−30·4**	−29·1	−21·6	−12·4	− 6·1	+ 3·0	+10·1	+13·8	**+18·6**	+18·1	+16·2	+12·5	+11·1	+ 8·8	+ 8·6

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—SELECTED DISTURBED DAYS.

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

NORTH COMPONENT (*Disturbed Days*).

328. Eskdalemuir. **1927.**

Month and Season.	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.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	+ 1·6	+ 2·8	+ 4·7	+ 6·5	+10·7	+12·1	**+14·9**	+10·9	+ 3·7	− 1·0	−12·6	**−19·6**	−19·2	−10·0	− 0·1	− 1·9	+ 2·7	− 3·3	− 6·1	+ 2·3	− 9·7	+ 0·8	+ 8·4	+ 2·2
Feb. ...	+ 1·2	+ 3·1	+ 3·1	+ 2·7	+ 3·1	+ 6·6	+ 8·7	+ 4·5	− 0·8	− 5·7	−16·5	−18·3	**−20·3**	−15·1	− 6·0	− 2·1	+ 8·7	+ 3·6	+10·5	**+15·5**	+ 2·5	+ 5·7	+ 7·8	− 2·1
Mar. ...	− 2·0	+ 0·1	+ 7·8	+ 5·7	+ 1·0	− 5·8	− 0·9	− 5·2	−12·9	−24·4	**−29·5**	−25·8	−22·1	− 0·4	+12·1	+19·0	+10·9	+27·8	**+28·6**	+13·1	+ 0·6	+ 3·3	+ 2·0	− 2·9
April ...	+ 6·7	+12·5	+ 9·3	+ 9·2	+15·0	+12·3	+14·7	+ 7·1	−16·2	−42·6	**−62·5**	−49·7	−39·3	−18·4	− 2·8	+22·9	**+36·7**	+ 6·4	+ 7·4	+14·4	+16·7	+14·5	+11·2	+14·6
May ...	+ 9·5	+12·1	+14·9	+19·9	− 5·7	− 3·8	−18·0	−28·8	−33·2	−32·4	**−40·8**	−30·2	−21·6	−10·6	+ 1·6	+24·4	+31·1	**+36·7**	+27·1	+17·9	+11·1	+ 4·3	+ 8·7	+ 5·9
June ...	+ 2·8	− 0·7	+ 2·3	− 3·2	+ 0·3	− 0·2	− 3·7	−14·7	**−29·2**	−26·4	−26·2	−25·9	−18·4	−10·2	− 6·2	+ 8·3	+16·8	+18·3	**+32·3**	+26·1	+31·3	+14·8	+ 3·1	+ 8·3
July ...	+ 6·5	−17·7	−31·3	+11·4	+ 4·2	−38·1	−22·5	−18·5	−23·2	−31·8	**−40·1**	−22·3	−21·1	− 9·8	+14·2	+23·5	+23·5	**+38·8**	+32·0	+25·2	+33·5	+34·9	+17·6	+11·0
Aug. ...	+21·3	− 9·6	− 4·6	+ 5·3	+ 9·5	+13·8	−20·4	−27·5	−33·5	**−47·8**	−43·2	−44·7	−29·1	− 8·6	+ 4·6	+19·7	+41·7	**+50·6**	+43·0	+35·5	+37·1	+22·4	+ 9·0	− 1·9
Sept. ...	+17·0	+ 1·5	+ 1·6	+ 1·9	+ 3·2	+ 2·1	− 8·2	−22·3	−26·6	**−33·5**	−31·4	−33·1	−21·4	−18·7	−12·8	− 4·1	+16·4	+22·5	**+37·4**	+28·3	+15·4	+32·1	+14·8	+17·9
Oct. ...	+ 8·6	+ 0·1	− 4·9	− 9·0	−15·3	−23·7	−21·6	−23·1	−20·5	−27·4	**−58·1**	−15·1	− 1·8	+ 6·1	+14·5	**+37·8**	+31·9	+33·3	+12·2	+26·1	+22·9	+13·4	+ 7·7	+ 5·5
Nov. ...	+ 4·3	+ 0·8	+ 5·8	+ 5·5	+ 8·8	**+15·4**	+14·1	+ 9·4	+ 4·4	− 4·1	**−10·2**	− 8·2	− 5·5	− 9·4	− 7·0	− 3·3	− 6·0	− 6·2	−10·1	− 1·4	− 0·2	− 0·7	+ 0·8	+ 3·0
Dec. ...	+ 1·5	+ 0·8	+ 7·7	+ 8·3	+11·8	**+20·9**	+12·5	+ 9·8	+ 1·7	− 3·9	− 6·6	− 6·1	− 3·7	− 9·4	− 8·9	− 2·9	− 7·6	− 8·7	**−15·1**	− 7·0	− 2·1	− 0·9	+ 3·8	+ 3·9
Year ...	+ 3·0	+ 0·5	+ 1·4	+ 5·3	+ 3·9	+ 1·0	− 2·5	− 8·2	−15·5	−23·4	**−31·5**	−24·9	−18·6	− 9·5	+ 0·3	+11·8	+17·2	**+18·3**	+16·6	+16·3	+13·3	+12·1	+ 7·9	+ 5·5
Winter ...	+ 2·1	+ 1·9	+ 5·3	+ 5·7	+ 8·6	**+13·7**	+12·5	+ 8·6	+ 2·3	− 3·7	−11·5	**−13·1**	−12·2	−11·0	− 5·5	− 2·6	− 0·6	− 3·7	− 5·2	+ 2·3	− 2·3	+ 1·2	+ 5·2	+ 1·8
Equinox ...	+ 7·6	+ 3·6	+ 3·4	+ 2·0	+ 1·0	− 3·8	− 4·0	−10·9	−19·1	−32·0	**−45·4**	−30·9	−21·2	− 7·8	+ 2·7	+18·9	**+24·0**	+22·5	+21·4	+20·5	+13·9	+15·8	+ 8·9	+ 8·8
Summer ...	− 0·7	− 4·0	− 4·7	+ 8·3	+ 2·1	− 7·1	−16·1	−22·3	−29·8	−34·6	**−37·6**	−30·8	−22·6	− 9·8	+ 3·5	+19·0	+28·3	**+36·1**	+33·6	+26·2	+28·3	+19·1	+ 9·6	+ 5·8

WEST COMPONENT (*Disturbed Days*).

329. Eskdalemuir. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 6·7	− 9·0	− 7·2	− 3·0	− 6·0	− 3·0	− 2·8	− 4·8	− 4·5	− 2·3	+ 1·4	+10·2	+17·7	**+21·4**	+19·9	+18·1	+13·9	+13·6	+ 5·3	− 7·7	−21·2	− 8·4	**−28·9**	− 5·7
Feb. ...	−26·4	−15·0	−12·0	−11·2	−21·8	−16·4	− 9·4	− 7·0	− 0·6	− 0·2	+ 5·4	+12·4	+22·6	+28·6	+29·6	+25·8	**+29·8**	+26·0	+14·8	+ 0·4	− 9·6	−13·2	**−32·8**	−20·0
Mar. ...	−20·7	−11·1	− 7·6	−16·9	+14·3	− 5·0	− 1·7	− 4·7	− 3·4	− 0·8	+14·9	+31·3	+38·8	+39·7	**+42·1**	+33·0	+ 6·0	− 1·5	−17·9	−15·6	−25·3	−24·7	−31·0	**−32·2**
April ...	− 4·0	− 5·4	− 4·4	− 9·2	− 0·4	− 6·3	−15·1	**−32·7**	−30·3	−27·9	−19·3	+ 0·4	+20·8	+34·0	**+44·4**	+41·2	+27·4	+ 3·7	+ 0·3	− 4·9	− 2·9	− 5·9	− 0·3	− 3·2
May ...	−16·1	−24·1	−31·5	−15·9	−14·6	−13·0	−32·6	**−34·2**	−24·0	−15·6	− 0·2	+16·4	+33·6	+38·8	+42·0	**+42·3**	+38·9	+22·5	+ 9·9	+ 7·1	+ 0·3	− 6·9	− 9·7	−13·5
June ...	−12·9	− 8·7	−11·0	− 7·9	−17·1	−20·2	−29·0	**−35·1**	−31·4	−16·2	− 4·5	+13·7	+32·1	**+37·3**	+34·2	+29·4	+26·1	+18·0	+18·2	+11·9	+ 1·9	−15·5	− 7·8	− 5·3
July ...	− 2·7	− 6·2	−21·1	**−38·3**	−36·2	−34·8	−24·1	−31·4	−30·0	−23·5	− 9·7	+12·2	+26·5	+33·7	**+43·6**	+32·0	+27·1	+18·5	+12·0	+15·1	+16·7	+ 6·6	+10·6	+ 3·5
Aug. ...	**−40·9**	−28·1	−32·3	−20·8	−21·8	−13·7	−24·3	−13·8	−11·4	+ 2·7	+ 6·9	+22·7	**+39·4**	+37·2	+26·1	+26·7	+31·7	+13·4	+12·6	+ 8·9	+ 8·3	+ 1·1	−11·6	−19·0
Sept. ...	−20·8	−24·7	−13·0	−16·1	−14·0	−11·1	−17·3	**−29·6**	−14·3	− 0·2	+14·3	+26·6	+34·1	**+37·8**	+27·1	+21·0	+18·5	+12·4	− 4·0	− 9·3	− 2·4	− 6·5	− 5·4	− 3·1
Oct. ...	+ 3·9	+ 7·9	+21·5	+10·7	+ 4·4	+22·4	+ 0·6	− 5·4	−18·0	−17·4	−31·2	+ 9·4	+32·6	**+42·0**	+34·4	+16·5	+14·5	− 9·1	−17·1	**−32·7**	−29·1	−24·9	−25·5	−10·5
Nov. ...	− 8·7	− 8·2	− 4·5	− 4·6	+ 3·5	+ 3·0	+ 3·6	+ 1·9	+ 4·4	+ 6·9	+11·4	+15·5	**+18·4**	+18·3	+17·4	+18·1	+ 9·6	− 4·7	− 9·1	−16·0	−17·1	**−25·8**	−22·7	−10·6
Dec. ...	−20·9	−13·1	− 5·2	− 3·4	+ 3·1	+ 7·5	+11·7	+ 8·4	+ 4·8	+ 9·1	+15·7	+22·1	**+31·2**	+22·4	+21·1	+16·1	+13·0	+ 8·2	−22·4	**−31·7**	−30·1	−15·8	−24·2	−27·5
Year ...	−14·7	−12·1	−10·7	−11·4	− 8·9	− 7·6	−11·7	−15·7	−13·2	− 7·1	+ 0·4	+16·1	+29·0	**+32·6**	+31·8	+26·7	+21·4	+10·1	+ 0·2	− 6·2	− 9·2	−11·7	**−15·8**	−12·3
Winter ...	−15·7	−11·3	− 7·2	− 5·5	− 5·3	− 2·2	+ 0·8	− 0·4	+ 1·0	+ 3·4	+ 8·5	+15·1	+22·5	**+22·7**	+22·0	+19·5	+16·6	+10·8	− 2·8	−13·7	−19·5	−15·8	**−27·2**	−16·0
Equinox ...	−10·4	− 8·3	− 0·9	− 7·8	+ 1·1	0·0	− 8·4	**−18·1**	−16·5	−11·6	− 5·3	+16·9	+31·6	**+38·4**	+37·0	+27·9	+16·6	+ 1·4	− 9·7	−15·6	−14·9	−15·5	−15·5	−12·3
Summer ...	−18·2	−16·8	−23·9	−20·7	−22·4	−20·5	−27·5	**−28·6**	−24·2	−13·2	− 1·9	+16·3	+32·9	**+36·7**	+36·5	+32·6	+30·9	+18·1	+13·2	+10·7	+ 6·8	− 3·7	− 4·6	− 8·6

VERTICAL COMPONENTS (*Disturbed Days*).

330. Eskdalemuir. **1927.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 6·9	− 6·8	− 7·4	− 8·5	**− 9·3**	− 8·6	− 8·8	− 8·0	− 8·1	− 7·7	− 6·6	− 6·6	− 1·9	+ 3·5	+ 6·3	+ 9·2	+23·0	**+24·3**	+24·1	+11·1	− 7·8	+ 5·8	+ 2·7	− 6·9
Feb. ...	−10·2	−11·0	− 9·0	**−13·4**	−10·2	− 6·6	− 7·0	− 6·7	− 7·3	− 7·7	− 8·3	− 7·9	− 6·9	− 4·5	− 0·5	+ 6·5	+10·3	+15·1	+17·7	+21·7	**+27·1**	+21·4	+ 8·4	−11·0
Mar. ...	−37·6	−47·5	**−53·8**	−45·5	−44·1	−39·6	−31·3	−22·6	−18·5	−17·8	−14·0	− 7·1	+ 3·6	+17·3	+33·4	+49·7	**+69·5**	+68·6	+58·9	+35·6	+38·7	+28·6	+13·2	−37·7
April ...	−17·3	−19·5	−21·9	−16·4	−23·0	−30·4	**−31·2**	−25·0	−23·2	−20·1	−14·9	− 6·3	+ 8·3	+28·3	+36·1	+54·0	**+63·8**	+49·0	+25·6	+17·4	+ 2·8	− 6·5	−10·5	−18·9
May ...	− 8·5	−17·8	−28·7	−33·4	**−34·5**	−32·2	−27·1	−18·5	−15·4	−13·3	−13·2	−11·7	− 6·2	+11·5	+33·2	**+42·9**	+42·4	+38·1	+35·2	+28·9	+23·1	+10·6	+ 0·5	− 5·8
June ...	− 4·6	− 4·9	− 4·7	− 3·2	− 3·2	− 2·0	− 2·0	− 3·6	−10·1	−16·4	**−17·4**	−17·0	−13·0	− 4·8	+ 4·5	+15·4	+20·4	**+20·6**	+17·3	+15·8	+10·3	+ 5·2	− 0·5	− 2·1
July ...	− 1·8	−15·1	**−35·5**	−34·6	−17·3	−29·1	−31·8	−14·9	− 6·6	− 7·7	− 9·3	− 8·0	+ 5·7	+16·1	+21·4	**+36·1**	+26·8	+29·6	+29·3	+23·6	+16·7	+ 4·9	+ 1·2	+ 0·3
Aug. ...	−52·5	**−59·4**	−52·3	−22·8	−10·7	− 7·2	− 4·2	−11·3	− 9·4	− 5·1	− 0·8	+ 3·3	+11·6	+20·1	+27·8	+31·7	+45·8	**+62·5**	+50·3	+33·4	+11·7	0·0	−27·7	**−34·8**
Sept. ...	−20·6	**−22·5**	−20·3	−18·1	−13·1	− 8·3	− 3·3	− 1·1	− 4·2	− 8·4	− 8·8	− 7·2	− 1·8	+ 6·1	+18·5	+24·3	**+26·5**	+24·7	+23·9	+19·9	+ 9·4	− 3·6	− 3·4	− 8·6
Oct. ...	−34·5	−45·6	**−50·2**	−48·1	−42·7	−40·8	−29·9	−22·4	−19·2	− 8·9	+ 3·1	+ 9·8	+36·1	+48·8	+61·4	**+80·7**	+74·7	+63·8	+20·9	+15·8	+11·2	− 8·3	−32·7	−42·8
Nov. ...	− 7·8	− 7·6	− 7·6	− 6·6	− 6·2	− 8·0	− 7·8	− 7·6	**− 8·2**	− 7·4	− 5·0	− 3·4	− 1·0	+ 4·4	+ 5·0	+ 6·4	+10·6	+13·4	**+14·2**	+13·2	+ 7·6	+ 7·6	+ 2·8	− 1·6
Dec. ...	−14·5	**−19·9**	−16·3	−12·3	−13·4	−17·6	−14·2	−11·8	− 9·5	− 6·0	− 5·9	− 4·7	− 1·3	+11·1	+16·5	+23·9	+18·2	+23·0	**+30·6**	+23·2	+13·8	+ 2·2	− 3·9	−11·1
Year ...	−18·1	−23·1	**−25·6**	−21·9	−19·0	−19·2	−16·5	−12·8	−11·7	−10·5	− 8·4	− 5·6	+ 2·8	+13·2	+22·0	+31·7	+36·0	**+36·1**	+29·0	+21·6	+13·7	+ 5·7	+ 4·2	−15·1
Winter ...	− 9·9	**−11·3**	−10·1	−10·2	− 9·8	−10·2	− 9·4	− 8·5	− 8·3	− 7·2	− 6·5	− 5·7	− 2·8	+ 3·6	− 6·8	+11·5	+15·5	+19·0	**+21·7**	+17·3	+10·2	+ 9·3	+ 2·5	− 7·7
Equinox ...	−27·5	−33·7	**−36·5**	−32·0	−30·7	−29·8	−23·9	−17·8	−16·3	−13·8	− 8·7	− 2·7	+11·5	+25·1	+37·3	+52·2	**+58·6**	+51·5	+32·3	+22·2	+15·5	+ 2·5	− 8·4	−27·0
Summer ...	−16·9	−24·3	**−30·8**	−23·5	−16·5	−17·6	−16·3	−12·1	−10·4	−10·6	−10·2	− 8·3	− 0·5	+10·7	+21·7	+31·5	+33·8	**+37·7**	+33·1	+25·5	+15·4	+ 5·2	− 6·6	−10·6

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE.—SELECTED DISTURBED DAYS.

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

DECLINATION (measured positive towards the West) (*Disturbed Days*).

331. Eskdalemuir. **1927.**

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

INCLINATION (*Disturbed Days*).

332. Eskdalemuir. **1927.**

Jan. ...	−0·15	−0·19	−0·36	−0·58	−0·82	−0·94	**−1·13**	−0·82	−0·36	−0·08	+0·63	**+0·93**	+0·88	+0·35	−0·19	+0·03	+0·15	+0·58	+0·90	+0·27	+0·81	+0·25	+0·05	−0·21
Feb. ...	+0·14	−0·20	−0·21	−0·31	−0·07	−0·30	−0·57	−0·33	−0·12	+0·18	+0·77	**+0·77**	+0·74	+0·35	−0·15	−0·16	**−0·84**	−0·32	−0·51	−0·47	+0·69	+0·40	+0·29	+0·22
Mar. ...	−0·44	−0·99	**−1·71**	−1·20	−1·42	−0·52	−0·69	−0·14	+0·44	+1·15	+1·30	+0·94	+0·83	−0·25	−0·71	−0·59	+0·92	−0·07	−0·07	+0·32	**+1·38**	+0·94	+0·76	−0·17
April ...	−0·80	−1·20	−1·07	−0·84	**−1·54**	−1·45	−1·46	−0·50	+1·01	+2·76	**+4·03**	+3·06	+2·39	+1·29	+0·29	−0·88	−1·28	+0·74	+0·15	−0·41	−0·96	−1·00	−0·99	−1·36
May ...	−0·54	−0·80	−1·12	**−1·84**	−0·23	−0·33	+1·07	+2·02	+2·20	+2·05	**+2·32**	+1·38	+0·65	+0·28	−0·02	−1·27	−1·66	−1·83	−1·06	−0·57	−0·15	+0·11	−0·38	−0·29
June ...	−0·07	+0·08	−0·07	+0·27	+0·20	+0·32	+0·71	+1·49	**+2·20**	+1·60	+1·35	+1·02	+0·30	−0·12	−0·10	−0·68	−1·05	−1·00	**−1·99**	−1·51	−1·81	−0·56	−0·07	−0·50
July ...	−0·42	+0·88	+1·52	−0·92	−0·06	+2·37	+1·10	+1·39	+1·88	+2·29	**+2·55**	+1·03	+1·04	+0·44	−1·17	−1·19	−1·34	−2·11	−1·56	−1·32	−2·06	**−2·26**	−1·30	−0·77
Aug. ...	+0·80	−0·36	−0·43	−0·55	−0·50	−0·83	+1·66	+1·75	+2·15	**+2·93**	+2·67	+2·58	+1·48	+0·39	−0·07	−0·97	−2·13	−1·97	−1·76	−1·63	**−2·26**	−1·48	−1·07	−0·41
Sept. ...	−1·25	−0·22	−0·38	−0·29	−0·29	−0·15	+0·76	+1·95	+1·88	**+1·97**	+1·57	+1·50	+0·74	+0·69	+0·81	+0·50	−0·73	−1·07	−1·76	−1·18	−0·72	**−2·06**	−0·95	−1·32
Oct. ...	**−1·49**	−1·29	−1·32	−0·81	−0·15	+0·13	+0·65	+1·04	+1·17	+1·87	**+4·40**	+1·06	+0·44	+0·07	−0·02	−0·74	−0·47	−0·41	+0·03	−0·72	−0·69	−0·64	−0·87	−1·24
Nov. ...	−0·32	−0·09	−0·49	−0·44	−0·79	**−1·26**	−1·17	−0·83	−0·57	−0·04	+0·34	+0·17	+0·01	+0·40	+0·27	+0·05	+0·49	+0·82	**+1·17**	+0·71	+0·51	+0·69	+0·42	−0·05
Dec. ...	−0·09	−0·32	−0·82	−0·78	−1·16	**−1·93**	−1·37	−1·08	−0·44	−0·05	0·00	−0·12	−0·34	+0·49	+0·61	+0·50	+0·72	+0·99	**+2·14**	+1·60	+1·01	+0·40	+0·08	−0·04
Year ...	−0·39	−0·39	−0·54	**−0·69**	−0·57	−0·41	−0·04	+0·50	+0·95	+1·39	**+1·83**	+1·19	+0·76	+0·37	−0·04	−0·45	−0·60	−0·47	−0·36	−0·41	−0·35	−0·43	−0·34	−0·51
Winter...	−0·11	−0·20	−0·47	−0·53	−0·71	**−1·11**	−1·06	−0·77	−0·37	0·00	+0·43	+0·44	+0·32	+0·40	+0·13	+0·11	+0·13	+0·52	**+0·93**	+0·53	+0·75	+0·43	+0·21	−0·02
Equinox	−0·99	−0·93	**−1·12**	−0·79	−0·85	−0·50	−0·19	+0·59	+1·13	+1·94	**+2·83**	+1·64	+1·10	+0·45	+0·09	−0·43	−0·39	−0·20	−0·41	−0·50	−0·25	−0·69	−0·51	−1·02
Summer	−0·06	−0·05	−0·03	−0·76	−0·15	+0·38	+1·13	+1·66	+2·11	+2·22	**+2·22**	+1·50	+0·87	+0·25	−0·34	−1·03	−1·55	**−1·73**	−1·59	−1·26	−1·57	−1·05	−0·71	−0·49

HORIZONTAL FORCE (*Disturbed Days*).

333. Eskdalemuir. **1927.**

Jan. ...	− 0·3	+ 0·3	+ 2·6	+ 5·4	+ 8·7	+10·8	**+13·6**	+ 9·2	+ 2·3	− 1·6	−11·8	**−16·2**	−13·8	− 4·0	+ 5·2	+ 3·0	+ 6·3	+ 0·4	− 4·5	+ 0·1	−14·9	− 1·5	+ 0·3	+ 0·6
Feb. ...	− 5·9	− 1·1	− 0·2	− 0·3	− 2·7	+ 2·0	+ 5·8	+ 2·4	− 1·0	− 5·5	**−14·5**	−14·4	−13·6	− 6·9	+ 2·1	+ 4·8	**+16·3**	+10·4	+14·1	+15·1	− 0·2	+ 1·9	− 1·3	− 7·3
Mar. ...	− 7·4	− 2·9	+ 5·5	+ 1·0	+ 4·8	− 6·9	− 1·3	− 6·3	−13·3	−23·7	**−24·5**	−16·5	−11·0	+10·2	+22·9	**+27·1**	+12·1	+26·4	+22·8	+ 8·5	− 6·2	− 3·4	− 6·3	−11·4
April ...	+ 5·4	+10·6	+ 7·8	+ 6·5	+14·3	+10·2	+10·2	− 1·9	−23·7	−48·5	**−65·3**	−47·8	−32·4	− 8·7	+ 9·1	+33·1	**+42·7**	+ 7·2	+ 7·2	+12·5	+15·3	+12·4	+10·8	+13·2
May ...	+ 4·9	+ 5·2	+ 6·0	+14·9	− 9·4	− 7·1	−26·0	−36·8	−38·4	−35·4	**−39·4**	−24·8	−11·9	+ 0·1	+12·7	+34·7	+40·3	**+41·4**	+28·8	+19·2	+10·8	+ 2·3	+ 5·8	+ 2·1
June ...	− 0·7	− 3·0	− 0·7	− 5·1	− 4·2	− 5·5	−11·3	−23·5	**−36·5**	−29·8	−26·4	−21·4	− 9·3	+ 0·1	+ 3·1	+15·8	+23·1	+22·5	**+36·0**	+28·3	+30·7	+10·2	+ 0·9	+ 6·6
July ...	+ 5·5	−18·7	−35·7	+ 0·8	− 5·5	**−46·0**	−28·1	−26·1	−30·3	−36·8	−41·3	−18·3	−13·3	− 0·5	+25·3	+31·1	+29·9	**+42·3**	+34·0	+28·3	+36·7	+35·4	+19·7	+11·5
Aug. ...	−31·4	−16·7	−13·0	− 0·4	+ 3·4	+ 9·7	−26·1	−30·2	−35·4	**−45·4**	−39·9	−37·1	−17·7	+ 1·6	+11·3	+26·1	+48·6	**+52·4**	+44·8	+36·6	+37·9	+21·9	+ 5·6	− 6·8
Sept. ...	+10·9	− 5·1	− 1·9	− 2·5	− 0·7	− 0·9	−12·5	−29·4	−29·5	**−32·4**	−26·5	−24·9	−11·7	− 8·1	− 5·2	+ 1·6	+20·7	+24·9	**+35·0**	+24·8	+14·2	+29·2	+12·8	+16·4
Oct. ...	+ 9·4	+ 2·2	+ 0·9	− 5·8	−13·6	−17·0	−20·7	−23·7	−24·5	−31·0	**−64·2**	−12·1	+ 6·9	+17·0	+23·1	**+40·8**	+34·6	+29·7	+ 7·3	+16·6	+14·4	+ 6·4	+ 0·7	+ 2·5
Nov. ...	+ 1·9	− 1·4	+ 4·4	+ 4·1	+ 9·4	**+15·7**	+14·5	+ 9·5	+ 5·4	− 2·1	− 6·9	− 3·8	− 0·4	− 4·3	− 2·1	+ 1·6	− 3·3	− 7·2	**−12·1**	− 5·6	− 4·7	− 7·5	− 5·3	+ 0·1
Dec. ...	− 4·1	− 2·7	+ 6·1	+ 7·1	+12·2	**+22·2**	+15·1	+11·7	+ 3·0	− 1·4	− 2·2	0·0	+ 4·6	− 3·1	− 3·0	+ 1·4	− 3·9	− 6·2	**−20·5**	−15·1	− 9·9	− 5·1	− 2·7	− 3·5
Year ...	− 1·0	− 2·8	− 1·5	+ 2·1	+ 1·4	− 1·1	− 5·6	−12·1	−18·5	−24·5	**−30·2**	−19·8	−10·3	− 0·5	+ 8·7	+18·4	**+22·3**	+20·3	+16·1	+14·1	+10·3	+ 8·5	+ 3·4	+ 2·0
Winter...	− 2·1	− 1·2	+ 3·2	+ 4·1	+ 6·9	**+12·7**	+12·3	+ 8·2	+ 2·4	− 2·7	− 8·9	− 8·6	− 5·8	− 4·6	+ 0·5	+ 2·7	+ 3·9	− 0·7	− 5·7	− 1·4	− 7·4	− 3·1	− 2·3	− 2·5
Equinox	+ 4·6	+ 1·2	+ 3·1	− 0·2	+ 1·2	− 3·7	− 6·1	−15·3	−22·7	−33·9	**−45·1**	−25·3	−12·1	+ 2·6	+12·5	+25·7	**+27·5**	+22·0	+18·1	+15·6	+ 9·4	+11·1	+ 4·5	+ 5·2
Summer	− 5·4	− 8·3	−10·9	+ 2·5	− 3·9	−12·2	−22·9	−29·1	−35·1	**−36·9**	−36·7	−25·4	−13·1	+ 0·3	+13·1	+26·9	+35·5	**+39·7**	+35·9	+28·1	+29·0	+17·5	+ 8·0	+ 3·3

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR, AND SEASONS OF 1927.

NOTE.—The ranges are those shown in Tables 316 to 333, in the preparation of which the non-cyclic change has been eliminated.

334. Eskdalemuir. **1927.**

Month and Season.	"All" Days.			Quiet Days.			Disturbed Days.			"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	D.	I.	H.	D.	I.	H.	D	I.	H.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	′	′	γ	′	′	γ	′	′	γ
January ...	24·2	28·4	10·0	25·0	22·2	6·7	34·5	50·3	33·6	6·56	1·40	20·7	5·03	1·36	21·7	11·04	2·06	29·8
February ...	26·6	32·4	17·7	30·5	25·4	8·7	35·8	62·6	40·5	7·63	1·31	20·2	5·98	1·83	30·1	13·49	1·61	30·8
March ...	39·8	47·2	33·6	41·8	54·3	21·2	58·1	74·3	123·3	10·44	2·24	36·9	12·20	2·01	37·4	15·23	3·09	51·6
April ...	59·7	65·6	28·8	59·2	71·9	20·9	99·2	77·1	95·0	14·14	3·63	62·0	15·10	3·88	61·9	15·91	5·57	108·0
May ...	58·9	62·1	30·5	56·6	59·9	21·3	77·5	76·5	77·4	12·78	3·49	61·4	12·44	3·63	58·3	15·40	4·16	80·8
June ...	56·0	61·7	25·4	47·3	51·8	19·0	61·5	72·4	38·0	12·61	3·46	59·0	11·18	3·09	51·0	14·16	4·19	72·5
July ...	57·5	62·4	26·7	48·8	65·4	24·8	78·9	81·9	71·6	12·15	3·51	60·4	12·71	2·88	49·5	16·17	4·81	88·3
August ...	54·9	52·3	34·0	38·6	51·6	18·3	98·4	80·3	121·9	11·31	3·27	56·7	10·73	2·53	40·9	16·43	5·19	97·8
September ...	50·7	51·9	24·9	41·9	45·6	16·6	70·9	67·4	49·0	11·18	2·98	47·5	9·58	2·41	41·2	13·65	4·03	67·4
October ...	44·1	41·1	37·7	40·0	41·2	10·2	95·9	74·7	130·9	9·37	2·88	41·7	8·68	2·35	36·7	16·01	5·89	105·0
November ...	25·2	22·8	7·5	27·4	24·4	5·2	25·6	44·2	22·4	5·43	1·52	22·7	5·32	1·74	26·1	9·28	2·43	27·8
December ...	19·9	27·2	15·5	12·3	16·6	4·6	36·0	62·9	50·5	6·01	1·26	17·0	3·65	·67	9·8	12·37	4·07	42·7
Year ...	39·2	42·5	20·9	35·8	42·1	13·9	49·8	48·4	61·7	9·06	2·14	38·8	9·09	2·17	36·5	10·60	2·52	52·5
Winter ...	23·0	26·9	11·5	23·4	20·8	5·8	26·8	49·9	33·0	6·29	1·33	19·4	4·85	1·33	20·4	10·85	2·04	21·6
Equinox ...	47·4	50·9	29·2	43·3	53·0	16·3	69·4	56·5	95·1	10·77	2·78	45·9	11·23	2·59	43·1	12·33	3·95	72·6
Summer ...	56·9	58·9	28·1	47·0	56·4	20·1	73·7	65·3	68·0	11·88	3·41	58·9	11·49	2·96	49·0	12·45	3·95	76·6

NON-CYCLIC CHANGE (24h.—0h.).

335. Eskdalemuir. **1927.**

Month.	"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	γ	γ	γ
January ...	+2·6	+4·7	+1·6	+5·0	+0·4	−3·0	−18·8	−11·7	− 8·6
February ...	−0·5	−1·6	−0·1	+4·4	+2·2	−1·6	−10·6	−14·4	+ 4·6
March ...	+1·0	+1·3	−0·7	+3·6	+0·8	−0·2	− 7·0	+11·0	−26·0
April ...	−0·1	−0·2	+0·2	+5·6	+4·2	−2·6	−23·0	− 5·2	− 0·4
May ...	+0·1	−0·7	−0·1	+1·6	+1·2	+0·8	−14·2	− 9·8	− 2·6
June ...	+1·0	+2·7	+1·9	+6·0	+1·8	+0·2	−12·0	− 4·5	+ 0·7
July ...	−0·7	−0·4	+0·4	+7·0	+2·8	−3·2	− 5·8	− 8·2	+ 3·0
August ...	−0·6	−0·3	+1·3	+3·6	−0·2	+1·8	−13·2	− 1·0	− 2·2
September...	+0·2	−0·3	−0·3	+0·4	+1·8	−1·2	−16·8	− 7·4	− 4·4
October ...	+0·2	−0·3	−0·7	+4·8	+1·2	−2·8	−12·8	− 0·2	− 3·2
November...	+0·3	−0·1	−0·7	+1·6	+0·4	−0·8	− 1·6	− 2·6	0·0
December	+0·1	−0·1	−0·6	+4·4	+1·8	−2·8	− 8·0	−20·2	− 5·2
Year, 1927...	—	—	—	—	—	—	—	—	—

MEAN VALUE OF THE SQUARES OF THE ABSOLUTE DAILY RANGES.

(Unit, $100\gamma^2$.)

336. Eskdalemuir. **1927.**

R_N^2	R_W^2	R_V^2	$R_N^2 + R_W^2$	$R_N^2 + R_W^2 + R_V^2$	Mean Character Figure.
58·9	84·4	29·8	143·3	173·0	0·90
47·5	75·1	23·6	122·6	146·2	0·96
106·8	103·7	89·0	210·4	299·4	1·16
122·6	108·2	47·6	230·8	278·4	0·77
135·8	118·1	44·5	253·9	298·4	0·87
71·2	66·7	15·4	137·8	151·2	0·77
155·1	90·6	57·3	245·7	303·0	0·84
214·0	112·9	109·3	326·9	436·2	0·84
138·6	83·8	28·1	222·4	250·4	0·83
246·5	181·9	136·9	428·4	565·3	1·00
20·4	32·7	4·3	53·1	57·4	0·47
39·5	72·0	21·6	111·6	133·2	0·77
113·1	94·2	50·5	207·2	257·7	0·85

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days except those noted in monthly tables.)

337. Eskdalemuir. **1927.**

Month.	North.	West.	Vertical.	Total.	Declination. (West).		Inclination (North).		Horizontal. Force.
	γ	γ	γ	γ	°	′	°	′	γ
January ...	16029	4438	44905	47886	15	28·6	69	40·6	16632
February ...	16031	4433	44901	47883	15	27·5	69	40·4	16633
March ...	16032	4428	44903	47884	15	26·4	69	40·5	16632
April ...	16035	4423	44908	47890	15	25·2	69	40·5	16634
May ...	16044	4418	44902	47887	15	23·8	69	39·9	16641
June ...	16050	4416	44890	47877	15	23·2	69	39·3	16646
July ...	16046	4409	44880	47866	15	21·8	69	39·3	16641
August ...	16037	4403	44874	47857	15	21·1	69	39·9	16630
September	16034	4398	44873	47854	15	20·3	69	40·2	16626
October ...	16024	4389	44871	47848	15	19·1	69	41·0	16614
November...	16035	4387	44869	47850	15	18·1	69	40·2	16624
December ...	16035	4381	44867	47847	15	16·9	69	40·2	16623
Year 1927...	16036	4410	44887	47869	15	22·7	69	40·2	16631

Values of a_n, b_n in the series Σ ($a_n \cos 15nt° + b_n \sin 15nt°$), t being reckoned in hours from midnight G.M.T.

(Longitude of Eskdalemuir Observatory, 3° 12′ W.)

338. Eskdalemuir. **1927.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.
	"All" Days.																							
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 6·9	+ 3·6	− 4·6	−2·4	+2·2	−0·3	−0·8	0·0	− 6·7	− 3·4	−2·1	+ 5·6	−1·4	−1·9	+1·0	+1·8	+ 1·2	− 4·3	−0·8	−1·1	+1·0	−0·2	−0·3	−0·2
Feb.	+ 9·3	+ 3·2	− 5·8	−2·6	+2·0	+0·4	−0·4	−0·1	− 9·8	− 7·6	−0·6	+ 5·4	−0·7	−0·9	+0·2	+1·6	+ 3·1	− 7·1	−2·8	−2·5	−0·1	−0·5	−0·9	−0·4
Mar.	+15·1	− 1·0	− 9·8	−0·3	+3·7	−0·5	−0·7	+1·1	−13·4	−10·7	+2·4	+10·8	−1·9	−5·4	+0·9	+2·0	− 0·4	−14·0	−7·1	−2·5	+1·9	+0·9	−1·5	−0·9
Apr.	+21·8	− 3·7	−14·7	+0·7	+6·1	−2·4	−1·0	+1·4	− 4·3	−17·7	+3·2	+15·1	−3·0	−6·9	+1·1	+1·2	+ 1·5	− 9·3	−6·9	+0·4	+2·5	+0·3	−0·9	−0·4
May	+17·7	− 9·8	−14·3	+3·1	+2·6	0·0	+1·4	−0·2	− 4·9	−21·4	+4·6	+12·3	−3·5	−2·6	+0·9	−0·2	+ 4·2	−10·0	−6·6	−1·7	+2·7	+0·3	−0·8	+0·1
June	+17·0	− 9·0	−12·2	+1·0	+0·2	−0·8	+0·9	+1·3	− 4·3	−21·4	+4·8	+12·3	−3·9	−2·3	+0·3	+1·0	+ 6·4	− 4·0	−6·5	−0·7	+1·3	+0·2	−0·5	+0·4
July	+16·2	−12·5	−11·6	+2·0	+1·6	−1·3	0·0	−0·2	− 3·9	−22·9	+5·5	+11·1	−1·4	−3·5	+0·6	+1·8	+ 3·8	− 8·7	−5·6	−1·2	+1·7	+0·6	−0·4	−0·1
Aug.	+17·8	−10·7	−12·1	+2·1	+0·6	−1·5	+1·0	−0·4	− 7·6	−16·7	+6·6	+ 7.6	−3·8	−3·4	+0·6	+1·0	− 1·5	− 9·7	−9·4	−2·1	+1·4	−0·6	+0·4	−0·7
Sept.	+20·0	− 4·6	− 9·7	+1·2	+2·4	−1·6	+0·9	+1·1	−10·3	−11·8	+5·0	+10·1	−3·8	−5·0	+1·9	+1·5	− 0·5	− 8·8	−7·0	−1·1	+1·9	−0·1	−0·8	−0·4
Oct.	+13·4	− 4·4	− 9·1	+2·3	+2·8	−2·6	−0·8	+1·6	−10·0	− 4·8	+0·9	+11·9	−2·8	−3·5	+2·0	+2·4	− 8·3	−13·7	−4·3	−1·0	+2·2	−0·3	−1·3	+0·1
Nov.	+ 8·0	+ 2·4	− 5·5	−0·7	+2·0	−1·8	0·0	+1·0	− 6·6	− 4·2	+0·4	+ 5·5	−1·4	−1·5	+1·4	+0·9	+ 0·6	− 3·8	−1·2	−0·3	+0·4	−0·3	−0·3	−0·1
Dec.	+ 4·8	+ 3·2	− 4·0	−0·8	+1·3	−1·6	+0·2	−0·3	−10·0	0·0	0·0	+ 3·9	−0·5	−2·0	+0·9	+0·5	− 0·7	− 7·2	−1·3	−0·5	+0·3	0·0	−0·4	−0·1
Year	+14·0	− 3·6	− 9·4	+0·5	+2·3	−1·2	+0·1	+0·5	− 7·7	−11·9	+2·6	+ 9·3	−2·3	−3·2	+1·0	+1·3	+ 0·8	− 8·4	−5·0	−1·2	+1·4	0·0	−0·6	−0·2
W.	+ 7·3	+ 3·1	− 5·0	−1·6	+1·9	−0·8	−0·2	+0·2	− 8·3	− 3·8	−0·6	+ 5·1	−1·0	−1·6	+0·9	+1·2	+ 1·1	− 5·6	−1·5	−1·1	+0·4	−0·2	−0·5	−0·2
Eq.	+17·6	− 3·4	−10·8	+1·0	+3·8	−1·8	−0·4	+1·3	− 9·5	−11·3	+2·9	+12·0	−2·9	−5·2	+1·5	+1·7	− 2·0	−11·5	−6·3	−1·0	+2·1	+0·2	−1·1	−0·4
S.	+17·2	−10·5	−12·6	+2·0	+1·2	−0·9	+0·9	+0·2	− 5·2	−20·6	+5·4	+10·8	−3·1	−3·0	+0·6	+0·9	+ 3·2	− 8·1	−7·0	−1·4	+1·8	+0·1	−0·3	−0·1
	Quiet Days.																							
Year	+13·9	− 1·3	− 8·8	+0·2	+2·3	−1·0	+0·1	+1·0	− 2·7	−11·8	+3·8	+ 8·7	−3·0	−3·6	+1·2	+1·2	+ 3·6	− 1·1	−3·6	−0·5	+1·6	+0·1	−0·7	−0·1
W.	+ 8·2	+ 1·6	− 5·4	−1·4	+2·1	−0·6	−0·5	+0·7	− 3·2	− 4·8	+0·3	+ 4·6	−1·4	−2·0	+1·1	+1·4	+ 1·1	− 1·5	−1·1	−0·2	+0·6	+0·1	−0·4	−0·2
Eq.	+17·3	+ 0·6	−10·7	−0·8	+3·6	−1·1	−0·3	+1·5	− 2·5	−12·2	+3·6	+11·3	−3·6	−6·0	+2·0	+2·0	+ 4·3	− 0·7	−4·1	−0·8	+2·5	+0·5	−1·1	−0·1
S.	+16·2	− 6·2	−10·4	+2·7	+1·3	−1·3	+1·0	+0·7	− 2·4	−18·3	+7·4	+10·2	−4·0	−2·8	+0·5	+0·4	+ 5·5	− 0·9	−5·7	−0·4	+1·7	−0·1	−0·5	+0·1
	Disturbed Days.																							
Year	+13·4	− 9·4	−10·6	+1·8	+2·6	−1·5	−0·3	−0·4	−14·6	−13·3	+0·3	+11·5	−0·2	−3·9	+0·9	+0·6	− 5·9	−26·2	− 8·8	− 0·7	+1·7	+0·4	−0·3	−1·0
W.	+ 5·3	+ 5·9	− 5·2	−1·2	+3·1	−1·6	−0·2	−0·3	−17·5	− 4·6	−2·4	+ 8·6	+0·7	+0·3	+0·9	+0·6	+ 0·5	−14·2	− 5·0+	2·3	−0·9	+0·1	−0·4	−0·3
Eq.	+16·9	−13·6	−12·3	+3·9	+5·0	−1·4	−1·2	+1·2	−14·2	− 8·8	+1·0	+17·1	+0·4	−7·0	+0·6	+0·7	−13·3	−37·8	−11·3+	2·3	+3·9	+0·6	−0·8	−2·4
S.	+18·0	−20·5	−14·3	+2·6	−0·4	−1·3	+0·4	−2·3	−12·2	−26·6	+2·3	+ 9·2	−1·6	−4·9	+1·1	+0·4	− 4·9	−26·5	−10·0−	2·1	+2·2	+0·5	+0·3	−0·3

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE.

Values of c_n, α_n in the series $\Sigma c_n \sin (15n\mathrm{T}° + \alpha_n)$, T being Mean Local Time reckoned in hours from midnight.

339. Eskdalemuir. **1927.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.
	"All" Days.																							
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	7·8	66	5·1	249	2·2	108	0·8	285	7·5	247	6·0	346	2·3	226	2·1	42	4·4	167	1·4	222	1·0	110	0·3	246
Feb.	9·9	74	6·4	252	2·0	89	0·4	275	12·4	235	5·4	0	1·2	228	1·6	21	7·7	159	3·7	235	0·5	197	1·0	260
Mar.	15·1	97	9·8	275	3·8	107	1·3	339	17·1	235	11·1	19	5·7	209	2·2	38	14·0	185	7·5	257	2·1	73	1·7	252
Apr.	22·1	103	14·7	279	6·6	121	1·7	337	18·2	197	15·5	18	7·5	213	1·6	55	9·4	174	6·9	280	2·5	92	1·0	257
May	20·2	122	14·6	289	2 6	99	1 4	109	21·9	196	13·1	27	4·3	243	0·9	113	10·9	161	6·9	262	2·7	93	0·8	290
June	19·3	121	12·2	281	0·8	173	1·6	47	21·8	195	13·2	28	4·5	249	1·0	30	7·5	125	6·5	270	1·4	90	0·6	322
July	20·4	131	11·8	286	2·1	141	0·2	183	23·2	193	12·3	33	3·8	211	1·8	30	9·5	160	5·8	264	1·8	81	0·4	267
Aug.	20·7	124	12·3	286	1·6	169	1·1	125	18·3	208	10·0	47	5·1	237	1·2	42	9·8	192	9·6	264	1·5	123	0·8	164
Sept.	20·5	106	9·8	283	2·9	134	1·4	52	15·7	224	11·3	33	6·3	227	2·4	65	8·9	187	7·1	267	1·9	102	0·9	259
Oct.	14·1	111	9·4	291	3·9	142	1·8	345	11·1	248	11·9	11	4·5	228	3·2	53	16·1	215	4·4	264	2·2	107	1·3	286
Nov.	8·4	76	5·6	269	2·7	141	1·0	13	7·8	241	5·5	11	2·0	233	1·7	69	3·9	175	1·3	262	0·5	139	0·3	259
Dec.	5·8	59	4·0	265	2·0	151	0·4	152	10·0	273	3·9	7	2·1	202	1·0	72	7·2	188	1·4	255	0·3	97	0·5	266
Year	14·5	108	9·5	279	2·6	127	0·5	20	14·1	216	9·6	22	4·0	225	1·6	50	8·4	178	5·1	263	1·4	98	0·7	264
W.	7·9	70	5·2	258	2·1	123	0·3	321	9·1	249	5·1	0	1·9	222	1·5	49	5·7	172	1·9	240	0·5	129	0·5	259
Eq.	17·9	104	10·9	282	4·2	125	1·4	355	14·7	223	12·3	20	5·9	219	2·3	53	11·6	193	6·4	267	2·1	93	1·2	263
S.	20·1	125	12·7	286	1·5	136	0·9	93	21·2	197	12·1	33	4·3	236	1·1	46	8·7	162	7·2	265	1·8	95	0·3	271
	Quiet Days.																							
Year	13·9	99	8·8	277	2·5	123	1·0	17	12·1	196	9·5	30	4·7	229	1·7	57	3·8	109	3·7	269	1·6	94	0·7	278
W.	8·3	82	5·6	262	2·1	115	0·9	337	5·8	217	4·6	11	2·4	223	1·8	52	1·9	146	1·2	267	0·6	94	0·4	259
Eq.	17·3	91	10·7	272	3·7	117	1·5	2	12·5	195	11·9	24	7·0	221	2·8	58	4·3	103	4·2	265	2·6	89	1·1	280
S.	17·3	114	10·7	291	1·9	144	1·3	66	18·4	191	12·6	42	4·8	245	0·6	65	5·6	103	5·7	272	1·7	102	0·5	288
	Disturbed Days.																							
Year	16·4	128	10·8	286	3·0	129	0·6	231	19·8	231	11·5	8	3·9	192	1·0	69	26·8	196	8·8	272	1·8	87	1·0	209
W.	7·9	45	5·3	263	3·5	127	0·3	237	18·1	259	8·6	350	0·8	79	1·1	70	14·2	181	5·6	252	0·9	287	0·5	244
Eq.	21·7	132	12·9	294	5·2	116	1·7	329	16·7	241	17·1	10	7·0	186	0·9	51	40·0	203	11·5	288	4·0	92	2·5	211
S.	27·3	142	14·6	287	1·4	205	2·3	184	29·3	208	9·5	20	5·1	208	1·2	83	27·0	194	10·2	264	2·2	87	0·4	147

340. MEAN VALUES, FOR THE YEARS SPECIFIED, OF THE MAGNETIC ELEMENTS AT OBSERVATORIES IN COMMUNICATION WITH THE ROYAL OBSERVATORY, GREENWICH.

Place.	Latitude.	Longitude.	1927. Declination.	1927. Inclination.	1927. Horizontal Force.	1927. Vertical Force.	1926. Declination.	1926. Inclination.	1926. Horizontal Force.	1926. Vertical Force.	1925. Declination.	1925. Inclination.	1925. Horizontal Force.	1925. Vertical Force.
	N. ° ′	° ′	° ′	N. ° ′	γ	γ	° ′	N. ° ′	γ	γ	° ′	N. ° ′	γ	γ
Sodankylä, Finland	67 22	26 39E.	...	...	...	...	...	...	...	...	1 53·2E.	75 48·4	12440	49186
*Lerwick, Shetland Islands ...	60 9	1 11W.	14 49·9W.	72 38·1	14607	46713	15 2·8W.	72 37·1	14618	46699	15 17·7W.	72 37·2	14621	46712
Pavlovsk, Leningrad, U.S.S.R.	59 41	30 29E.	3 42·6E.	71 34·8	15675	47068	3 34·7E.	71 31·5	15715	47035	3 25·3E.	71 27·1	15770	46999
Sitka, Alaska...	57 3	135 20W.	30 23·5E.	74 22·6	15491	55394	30 25·2E.	74 22·9	15501	55447	30 27·2E.	74 22·2	15524	55488
†Ekaterinburg, U.S.S.R. ...	56 50	60 38E.	10 59·5E.	72 12·2	16389	51053	11 1·0E.	72 8·5	16443	51033	11 1·0E.	72 3·0	16513	50974
Copenhagen (in Rude Skov), Denmark.	55 51	12 27E.	6 33·4W.	69 11·6	16974	44670	6 45·2W.	69 10·0	16992	44654	6 57·7W.	69 7·2	17025	44631
Kasan, U.S.S.R.	55 50	48 51E.	9 1·9E.	70 22·5	17146	48086	9 0·6E.	70 18·3	17191	48028	*8 56·9E.	*70 12·8	*17252	*47953
Eskdalemuir, Scotland ...	55 19	3 12W.	15 22·7W.	69 40·2	16631	44887	15 35·3W.	69 40·3	16648	44939	15 48·4W.	69 39·3	16665	44943
Meanook, Alberta	54 37	113 21W.	26 56·3E.	77 53·7	12817	59760	27 4·2E.	77 53·8	12832	59844	27 10·7E.	77 53·8	12852	59934
Stonyhurst, Lancs., England	53 51	2 28W.	14 26·5W.	68 43·5*	17231	44251	14 39·7W.	68 44·6	17242	44331	14 53·4W.	68 42·2	17263	44282
†*Irkutsk (Zouy), Siberia ...	52 28	104 2E.	...	...	...	...	0 42·9E.	71 16·9	19023	56141	0 45·5E.	71 15·6	19070	56212
Potsdam, Prussia	52 23	13 4E.	6 9·1W.	66 44·0	18489	43002	6 20·6W.	66 42·6	18503	42982	6 33·0W.	66 39·7	18532	42951
Seddin, Prussia	52 17	13 1E.	...	...	...	...	6 21·9W.	66 39·5	18541	42967	6 34·7W.	66 36·8	18570	42938
De Bilt, Utrecht, Holland ...	52 6	5 11E.	10 1·0W.	66 55·9	18330	43041	10 13·1W.	66 55·5	18337	43040	10 25·4W.	66 53·5	18359	43026
*Valentia, Cahirciveen, Ireland	51 56	10 15W.	17 59·5W.	67 59·3	17833	44112	18 10·8W.	68 0·1	17835	44147	18 22·4W.	68 0·0	17849	44177
Bochum, Prussia	51 29	7 14E.	...	...	...	...	9 19·7W.	...	...	...	9 25·9W.	...	...	...
Greenwich, London, England	51 28	0 0	...	...	...	...	...	...	...	...	13 9·9W.	66 51·4	18414	43080
Abinger, Surrey, England ...	51 11	0 23W.	12 58·4W.	66 36·2	18575	42932	13 10·4W.	66 36·3	18581	42947	13 22·7W.	66 35·1	18597	42946
Uccle, Belgium	50 48	4 21E.	...	...	...	...	10 39·7W.	...	...	...	10 52·7W.	...	...	...
Prague, Czecho-Slovakia ...	50 5	14 25E.	5 9 W.	...	...	...	5 21 W.	64 56	...	...	5 34·9W.	...	...	...
Val Joyeux, near Paris, France	48 49	2 1E.	11 32·3W.	64 39·8	19656	41515	11 43·9W.	64 39·2	19649	41482	11 55·8W.	64 38·7	19659	41485
Munich, Bavaria	48 9	11 37E.	...	...	...	...	6 54·7W.	...	...	...	7 6·7W.	...	...	...
Maisach, do.	48 12	11 15E.	6 52·5W.	63 32·5	20314	40817	...	...	...	...	...	...	...	...
Nantes, France	47 15	1 34W.	12 35·6W.	63 41·0	20237	40917	12 42·2W.	63 40·3	20227	40876	12 59·6W.	63 39·0	20234	40850
†Odessa, U.S.S.R.	46 26	30 46E.	...	...	...	...	...	...	...	...	1 36·4W.	63 18·9	21213	42206
Agincourt, Ontario	43 47	79 16W.	7 16·4W.	74 44·3	15664	57409	7 13·4W.	74 44·6	15692	57527	7 9·7W.	74 44·2	15728	57628
Karsani, U.S.S.R.	41 50	44 42E.	...	...	...	...	4 12·3E.	58 3·0	24694	39595	...	...	...	...
Ebro, Tortosa, Spain ...	40 49	0 30E.	10 48·8W.	57 26·5	23380	36617	10 59·1W.	57 27·7	23362	36617	11 8·8W.	57 28·4	23367	36642
*Coimbra, Portugal	40 12	8 25W.	14 18·8W.	58 8·1	23166	37273	14 28·5W.	58 12·4	23144	37340	14 38·2W.	58 13·9	23143	37368
Cheltenham, Maryland ...	38 44	76 50W.	6 45·6W.	71 2·9	18765	54646	6 42·8W.	71 2·2	18809	54740	6 39·2W.	71 0·5	18870	54826
‡†San Miguel, Azores... ...	37 46	25 39W.	18 44·1W.	59 57·4	23278	40245	‡18 50·9W.	*60 0·4	†23247	*40275	‡18 56·5W.	*60 2·6	*23256	*40378
San Fernando, Spain ...	36 28	6 12W.	12 57·1W.	*53 37·7	25051	*34013	13 7·7W.	*53 38·6	25020	*33991	13 15·1W.	*53 40·0	25032	*34035
*Tsingtao, China	30 4	120 19E.	4 29·8W.	52 7·7	30824	39627	4 27·0W.	52 11·9	30823	39750	4 22·6W.	52 5·9	30831	39603
Tucson, Arizona	32 15	110 50W.	13 44·1E.	59 32·5	26585	45210	13 44·6E.	59 32·3	26632	45280	13 45·3E.	59 30·6	26687	45323
Dehra Dun, United Provinces, India.	30 19	78 3E.	1 22·1E.	45 29·2	32931	33494	1 26·3E.	45 26·1	32933	33436	1 30·5E.	45 21·0	32948	33353
*Lukiapang, Shanghai, China	31 19	121 2E.	3 34·8W.	45 26·9	33265	33790	3 32·6W.	45 27·9	33211	33754	3 30·5W.	45 27·8	33160	33701
Helwan, Egypt	29 52	31 21E.	...	...	...	...	...	...	...	...	...	...	...	...
Hongkong, China	22 18	114 10E.	*0 31·7W.	*30 39·9	*37376	*22161	0 29·6W.	30 42·4	37323	22167	0 27·2W.	30 41·8	37325	22159
Honolulu, Hawaii	21 19	158 4W.	10 4·2E.	39 28·9	28634	23589	10 3·0E.	39 28·3	28658	23600	10 1·8E.	39 25·9	28708	23607
Teoloyucan, Mexico	19 45	99 11W.	9 19·7E.	46 41·3	31373	33281	9 17·8E.	46 46·7	31609	33635	9 14·6E.	46 30·4	31600	33308
Alibag, Bombay, India ...	18 38	72 52E.	0 2·2W.	25 25·3	37123	17645	0 0·8E.	25 22·8	37100	17600	0 3·4E.	25 18·3	37086	17535
San Juan, Porto Rico ...	18 23	66 7W.	4 26·0W.	52 14·2	27698	35755	4 21·0W.	*52 10·4	27737	*35724	...	...	...	...
Antipolo, Philippine Is. ..	14 36	121 10E.	0 27·7E.	15 54·5	38205	10889	0 28·5E.	15 54·3	38189	10882	0 29·8E.	15 57·4	38211	10925
	S.			S.				S.				S.		
Batavia, Java	6 11	106 49E.	0 52·4E.	32 12·8	36858	23223	0 51·7E.	32 11·5	36832	23187	0 53·1E.	32 7·6	36834	23130
				N.				N.				N.		
*Huancayo, Peru	12 3	75 20W.	7 50·7E.	1 17·3	29737	·00669	7 55·5E.	1 9·8	29725	00604	7 59·1E.	1 1·5	29750	00532
				S.				S.				S.		
Apia, Samoa	13 48	171 46W.	10 29·5E.	*30 7·0	35223	*20432	10 26·1E.	*30 8·3	35216	*20446	10 22·8E.	*30 7·6	35239	20453
Mauritius	20 6	57 33E.	11 32·0W.	[52 29]	22804	[29701]	11 19·8W.	52 33·7	22852	29849	11 9·6W.	52 31·0	22906	29867
La Quiaca, Jujuy, Argentina	22 6	65 36W.	5 5·5E.	12 25·7	26353	05808	*5 15·0E.	*12 27·0	*26397	*05828	*5 29·1E.	*12 28·2	*26435	*05848
Vassouras, Brazil	22 24	43 39W.	12 19·6W.	16 37·8	24269	07265	12 10·5E.	16 31·2	24293	07205	12 2·3E.	16 17·0	24328	07106
Watheroo, Australia ...	30 19	115 53E.	4 16·3W.	64 11·9	24671	51028	4 17·2W.	64 10·7	24681	51007	4 17·6W.	64 7·9	24719	50976
Pilar, Cordova, Argentina ...	31 40	63 53W.	6 49·6E.	25 45·5	24877	12004	6 58·2E.	25 44·0	24934	12018	7 6·2E.	25 41·3	25012	12031
Toolangi, Australia	37 32	145 28E.	8 14·6E.	67 48·1	22893	56091	8 10·9E.	67 46·9	22917	56107	8 10·4E.	67 44·6	22948	56071
Christchurch, New Zealand...	43 32	172 37E.	17 31·3E.	68 16·2	22135	55538	17 26·0E.	68 15·6	22141	55525	17 21·1E.	68 14·2	22166	55522

NOTES.—* Results derived from absolute observations only. † A local anomaly is known to exist at the site of the Observatory.
‡ Results derived, in Declination only, from hourly values.

San Juan, Porto Rico.—The results for 1927 are from the months January to May only.

341 ADDITIONAL VALUES FOR EARLIER YEARS.

	Latitude.	Longitude.	1924. Declination.	1924. Inclination.	1924. Horizontal Force.	1924. Vertical Force.	1923. Declination.	1923. Inclination.	1923. Horizontal Force.	1923. Vertical Force.	1922. Declination.	1922. Inclination.	1922. Horizontal Force.	1922. Vertical Force.
	N. ° ′	° ′	° ′	N. ° ′	γ	γ	° ′	N. ° ′	γ	γ	° ′	N. ° ′	γ	γ
Tsingtao, China	36 4	120 19E.	4 21·3W.	52 7·0	30816	39009	...	...	...	...	...	...	...	...
Lukiapang, Shanghai, China	31 19	121 2E.	3 28·5W.	45 29·0	33200	33764	3 25·9W.	45 29·3	33205	33777	...	...	...	...
Antipolo, Philippine Is. ..	14 36	121 10E.	0 31·5E.	15 59·7	38201	10950	0 31·7E.	15 59·6	38176	10941	0 32·3E.	16 6·0	38116	11002

M.O. 310
(Cahirciveen)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

CAHIRCIVEEN (VALENTIA OBSERVATORY)

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

1929

*M

CAHIRCIVEEN (VALENTIA OBSERVATORY).

Latitude	51° 56′ N.
Longitude	10° 15′ W.
G.M.T. of Local Mean Noon	12h 41m.

Heights in metres above Sea Level.

Barometer	13·7
Rain-gauge	9·1
Robinson Cup Anemograph	26
Dines Tube Anemograph	30

Heights in metres above Ground.

Thermometer Bulbs	1·3
Sunshine Recorder	12·8
Robinson Cup Anemograph	14
Dines Tube Anemograph	13
Beckley Rain-gauge Rim	0·5

INTRODUCTION.

SITE.

Valentia Observatory derives its name from the fact that it was originally established on Valentia Island in 1867. It was removed to the mainland in March, 1892, and now lies in a direct line between the old site on Valentia Island and the town of Cahirciveen, about 2½ miles (4 km.) north-east from the former, and three-quarters of a mile (1 km.) south-west of the latter. It is quite remote from any other buildings. The general character of the country surrounding the Observatory is hilly. The eastern bank of the Cahir river is about 150 metres to the westward, and in that direction there is no very high ground between the Observatory and the open sea, some 3½ miles (6 km.) away. To the north-west, however, are hills varying in height from 400 (120 m.) to 900 feet (275 m.), the highest being less than 3 miles (5 km.) distant. These are only separated by a narrow gully running in a N N W direction from other hills equally high, which stretch away to the northward: the nearest of these is but little more than a mile (1½ km.) from the Observatory. Beyond the town of Cahirciveen to the north-east the river opens out considerably, and the country in this direction becomes an open boggy basin, rising by only a gentle gradient. Southward of this, however, it soon rises again, and at about a mile south-east of the Observatory it culminates in the hill Bentee upwards of 1,245 feet (380 m.) in height. Still further south it opens out once more to a distance of nearly 5 miles (8 km.) from the Observatory, where there is a range of hills running east and west, and varying in height from 400 (120 m.) to 1,300 feet (400 m.). To the south-west there is an opening to the sea, between Valentia Island and the mainland; and the circle of hills is completed by those on the island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. Photographs of the Observatory building, together with a site plan, showing the disposition of the various instruments were reproduced in the Introduction to the 1923 volume.

METEOROLOGY.

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

Pressure and Temperature.—The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer, from which the control readings at 9h, 15h and 21h are taken, is mounted in the same room beside a window which faces the north-east. The stems of the dry and wet bulb thermometers pass out into the screen placed against the north wall of the tower. Close to the bulbs of these thermometers are the bulbs of the standard thermometers from which the control readings at 9h, 15h and 21h are taken.

Rainfall.—The Beckley raingauge and the 8-inch (20·3 cm.) check gauge are placed in a railed-off enclosure about 40 metres to the north of the tower.

The amounts of precipitation derived from the Beckley gauge are given in Tables 388 to 399. Symbols for dew, fog, etc. indicating the hours during which precipitation of less than 0·1 mm. occurred have not been entered. If dew occurred during the night and amounted to 0·1 mm. this amount has been entered to the hour 6h to 7h. In these two respects the procedure for tabulating rainfall as set out in the General Introduction has not yet been adopted at Cahirciveen.

Sunshine.—The recorder is cemented to a wooden rail on the roof of the tower. The exposure of the sunshine recorder is such that there is no appreciable loss of record due to obstructions in the months of May, June, July and August. During the remainder of the year the hill Bentee lying to the south-east cuts off early morning sunshine. The reduction in possible record, assuming that the recorder becomes sensitive to sunshine only when the sun is at an altitude of more than three degrees, is shown in the following table for the 1st and 15th of each month :—

Reduction in Possible Record in Tenths of an Hour.								
Month.	Jan.	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.
1st.	·5	·5	·7	·5	·3	·7	·5	·6
15th.	·6	·5	·7	·3	·5	·7	·5	·5

Wind, Speed and Direction.—Up to 1925 the measurements of Wind Speed and Direction, as given in Tables 412-423, were obtained from the Robinson Cup Anemograph on the roof of the Observatory tower. Commencing with the 1926 values, measurements of Wind Speed and Direction published in the Observatories' Year Book are taken from the records of the Dines Tube Anemograph. This instrument stands in an open field, about 250 metres S E by E of the Observatory tower. The field slopes northwards and downwards to the river Cahir. About 1 mile (1½ km.) to the south-east is the highest point (1,245 feet) of the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given.

Minimum Temperature on the Grass.—The grass minimum thermometer is of the type described on p. 12. It is exposed over short grass in the field enclosure. It is set at 18h and read at 7h on the succeeding day, the observation being entered to the day of reading.

Visibility.—Lists of the objects used for visibility observations and their distances and bearings from the point of observation are given on pp. 272, 273.

Notes on the Meteorological Summaries.

Pressure.—The mean pressure for the year was 2·1 millibars below normal. Of the monthly mean pressures four were higher and seven lower than normal: in February pressure was approximately normal. The departures ranged from an excess of about four millibars in April to a deficiency of nine millibars in March.

The highest pressure of the year, 1037·3 millibars, was recorded on the 9th January and the lowest 960·4 millibars, on the 22nd December, giving a total range for the year of 77 millibars. January, February, March, October and December had ranges of more than 50 millibars. The smallest range for any month was 26·8 millibars recorded in June.

The diurnal inequality of pressure for the year as a whole shows the usual well marked double oscillation with maxima at 11h and 22h of which the second is the principal one; and minima at 5h and 15h to 16h, the principal of these two being the morning one. In the inequalities for the individual months it is found that the double oscillation is much more prominent in some months than in others. The greatest constancy is seen in the morning maximum which occurs always at 11h, 12h, 13h or 14h. The morning minimum which is the principal one for ten months of the twelve occurs each month at 4h, 5h, 6h or 7h, except in December, when it occurs at 2h. The afternoon minimum appears at 14h, 15h or 16h in the winter months and in March and October; in the summer months and in April and September it is seen at 17h, 18h or 19h. The night maximum in the eight months May to December occurs either at 21h or 22h; in January it appears at 20h, in February at 1h, in March at 23h and in April at 22h and 23h.

The range of the mean inequality for the year is ·92 mb. while for the months considered individually it varies from ·73 mb. for March to 2·18 mb. for January. These ranges represent only the regular periodic changes in pressure and are small compared with the ranges obtained from the mean values of the daily maximum and minimum pressures found in Table 356, which vary from 5·11 mb for July to 10·68 mb. for December.

Comparison of diurnal inequalities may be made by means of analysis into harmonic components. The details of the Fourier analysis of the diurnal inequalities for the year 1927 are given in Table A. The figures in the line immediately following the monthly values are the arithmetic means for the year of the monthly amplitudes. On account of the very large changes in phase throughout the year in some of the terms the amplitudes obtained from the annual inequality are not adequate as measures of the effectiveness of such terms relative to others whose phase angles show less variation from month to month. In these cases comparison of the arithmetic means of the monthly amplitudes is more satisfactory.

The most important terms are the 24-hour and 12-hour terms. For the year considered as a whole the amplitude of the 24-hour term is considerably higher than for the period 1871-1882; the arithmetic mean for the twelve months is also higher than that of the period, which points apparently to a normal amount of variation in the 24-hour term phase angles throughout the year. The seasonal amplitudes show only slight variation, the summer one being the highest and that for the equinoxes the lowest. The 24-hour term always shows wide and somewhat irregular variations from month to month both in phase and amplitude.

The 12-hour term is more nearly constant during the year, both in amplitude and phase. For the year considered as a whole the amplitude is lower than average. The highest phase angle appears in winter and the lowest in summer. The high winter phase angle appears to be the normal state of affairs at Valentia which differs in this respect from most British stations.

In the mean inequality for the year the 8-hour term appears almost negligible when its amplitude is compared with those of the two terms already considered, but that this is due mainly to the very wide variations in phase of this term during the year is seen quite clearly by reference to the individual months. For the winter season the 8-hour term amplitude is half the 24-hour term amplitude. At other seasons it is relatively unimportant. The phase of this term has a fairly regular seasonal variation, changing somewhat rapidly at the equinoxes by approximately two right angles. The effect of the phase variation at this season is seen in the comparatively small amplitude which appears for the equinoctial mean. In the 6-hour term, amplitudes are small throughout and for this reason not very much weight can be attached to the individual phase angles. Nevertheless it is possible to detect an annual variation in the latter in which the movement is generally in the opposite sense to that of the 8-hour term.

Temperature.—The mean temperature for the year 1927 was 0·10a (0·18° F.) above normal. The highest temperature of the year, 294·1a (70·0° F.), was registered on the 15th and 18th July. Very low temperatures were not common, the freezing point being passed only on six days. The lowest temperature 270·5a (27·5° F.), was registered on the 30th December. The full range of temperature for the year was thus 23·6a (42·8° F.). For the individual months mean temperatures did not differ greatly from normal. October, with an excess of 1·43a (2·57° F.) showed the greatest departure. The monthly ranges of temperature varied from 11·2a (20·1° F.) in August to 17·7a (31·9° F.) in November.

The mean diurnal inequality for the year shows a single oscillation in the 24 hours with its maximum at 14h and its minimum at 5h and with a range of 2·59a (4·66° F.). Each of the monthly inequalities has a well marked single oscillation with its maximum at 14h, 15h or 16h. The time of minimum does not show the same constancy. In October it is 3h, in December 7h and 9h, in February 8h, and in other months 4h, 5h or 6h.

The harmonic analysis of the monthly and seasonal diurnal inequalities of temperature is given in Table B. The 24-hour term is in all cases predominant. Neither in the 24-hour term nor in the 12-hour term is there any very large variation in phase angle throughout the year, the effect of this being seen in each case in the slight differences between the mean amplitude for the year and the amplitude computed directly from the annual inequality. The highest of the seasonal amplitudes for the 24-hour term is found in summer, as is usual, but this amplitude is itself below normal, the amplitudes at equinox and winter are also lower than normal. The phase angle is least in winter and greatest in summer whereas winter should normally have a slightly larger phase angle than equinox and summer should have the least. In the present case the winter phase angle is below normal while summer and equinox have each approximately the phase angle which is normal for the other. For the 12-hour term the seasonal values follow the normal sequence in amplitude; but here again the values at all seasons are low. Phase angles both for equinox and summer, normally about the same, are high, the summer one in particular having a value decidedly higher than normal.

The 8-hour term amplitude for the year is so small as to be negligible compared with the two terms already considered but this is due in large measure to the variations of phase angle in this term from month to month. There is approximate opposition of phase as between winter and summer while for the equinoctial months a rapid change takes place from winter to summer values. The equinoctial amplitude thus appears much smaller than those for the individual months which make up this season. The winter and summer amplitudes are not incomparable in magnitude with those of the corresponding 12-hour terms, the summer 8-hour term amplitude being, in fact, greater than the 12-hour term amplitude. The seasonal changes in the 8-hour term accord fairly well with those found in a normal year.

The 6-hour term amplitude is greatest at the equinoctial seasons and smallest in winter but variable phase angle has much to do with the small winter amplitude.

Relative Humidity.—The highest mean daily value of the relative humidity was 97·7 per cent., recorded for the 19th February. The lowest value was 56·7 per cent. for the 8th October. The highest mean daily vapour pressure was 17·1 millibars for the 20th July and the lowest was 4·2 millibars for the 26th December. The diurnal inequality for the year shows a maximum in the early morning and a minimum in the afternoon; the morning maximum is not very sharply defined as to time of occurrence. There is only one well marked oscillation in the 24 hours. The individual months show, on the whole, similar features but there is a slight indication in some cases of a secondary maximum.

Rainfall.—The total rainfall for the year was 5 per cent. lower than normal, the actual deficiency being 69 millimetres. The month with the highest rainfall was December, with 165 millimetres, but this amount was 2 per cent. less than normal. March with 158 millimetres had 37 per cent. more than normal. The lowest monthly total was that for April, the 36 millimetres which fell during that month being only 39 per cent. of the normal amount. The rainfall for May was also comparatively low, being 73 per cent. of normal. The greatest hour's rainfall was 8·2 millimetres which fell between 1h and 2h on the 20th August.

Bright Sunshine.—The total amount of bright sunshine for the year 1927 was about 7 per cent. less than the normal. Only four months had more than average sunshine, the greatest excess being about 29 per cent. for November. The most notable deficiency was for April, the total sunshine for this month being 73 per cent. of normal. The greatest recorded sunshine for any one day was 14·9 hours, on the 15th July. The day with the greatest proportion of the total possible sunshine was also the 15th July with 92 per cent.

Wind Speed.—Gales were experienced on two days in January, one day in March, two days in October and one day in December.

The highest hourly wind speed recorded was 21 metres per second (48 miles per hour) on the 28th October, on which day occurred also the highest gust of the year 35 metres per second (78 miles per hour).

Grass Minimum Temperature.—The mean of the monthly means given in Table 426 is 279·0a (42·8° F.). For no single month is the mean grass minimum temperature lower than the freezing point of water. The lowest value recorded in six months out of the twelve is below the freezing point.

Cloud and Weather.—The mean amount of cloud at all observation hours was 7·3. The most cloudy month was January, with a mean cloud amount of 8·0. The month with least cloud was May with a mean of 6·5. The mean values at the individual observation hours for the whole year show a steady decrease in cloud amount from 7h to 13h, followed by a slight increase to 18h and a further decrease to 21h. The number of occasions of cloudless sky during 1927 was only 21 in more than 2,000 observations; on no day in the whole year was the sky without cloud at all observation hours.

Visibility.—Two observations, one in a landwards direction, the other in a seawards direction, are made at each hour of observation. The objects used, together with their actual distances and bearings from the point of observation, the Observatory tower, are given in the tables on pages 272 and 273. The position of the Observatory is such that a distinction between visibility landwards and seawards cannot be made when the range of visibility is less than 1,000 yards. Objects corresponding with the letters A to E have therefore been included in the table of landwards objects only. Kilkeaveragh Mountain is used as both a landwards and seawards object corresponding with J.

The observations of visibility in tables 427–438 refer to visibility in a landwards direction. The observations, when the range of visibility seawards differs from the range landwards, are shown in the following table :—

Date.	Hour.	Visibility Landwards	Visibility Seawards.
Jan. 1	7	F	I
,, 1	9	I	k
,, 7	7	J	k
Feb. 17	7	J	k
,, 21	7	J	k
,, 25	7	J	k
Mar. 30	9	J	k
April 10	9	k	l
,, 14	18	k	l
,, 20	7	J	k
May 6	21	h	k
,, 9	7	J	k
,, 13	9	J	k
,, 22	18	k	l
,, 24	7	J	l
,, 26	21	I	k
June 16	21	J	k
,, 19	7	k	l
,, 19	18	k	l

Date.	Hour.	Visibility Landwards	Visibility Seawards.
June 24	7	k	l
,, 24	13	l	k
,, 28	21	J	k
July 11	7	k	l
Aug. 2	18	k	l
,, 11	21	J	k
,, 14	9	k	l
,, 14	18	k	l
,, 20	21	J	k
Sept. 26	18	J	k
,, 26	21	J	k
Oct. 6	21	J	k
,, 8	13	J	k
,, 18	9	I	k
Nov. 3	9	J	k
,, 21	13	J	k
Dec. 5	13	J	k
,, 15	15	J	k
,, 22	13	J	k

Entries of " l " and " m " for visibility in a landwards direction are made :—

(*a*) When Croaghmarhin Mountain (see table of seawards objects) is clearly visible and there is reason to believe that the range of visibility in a landwards direction is as good as, or nearly as good as, visibility seawards.

(*b*) When Croaghmarhin Mountain is invisible but there is reason to believe from the appearance of Drung Hill (see table of landwards objects) 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.

There is a complete absence of industrial activity within a radius of about a hundred miles from the Observatory ; the observations are therefore not much affected by smoke pollution of the atmosphere.

LANDWARDS VISIBILITY OBJECTS AT VALENTIA OBSERVATORY.

Indication letter of object.	Standard distance of object.	Actual distance of object.	Bearing of object in degrees from N.	Description of object.
	Metres.	Metres.		
A	25	25	350°	Gate near workshop.
B	50	50	345°	North fence of enclosure.
C	100	100	125°	Hedge at S. end of vegetable garden.
D	200	200	330°	Notice board on beach.
E	500	500	360°	Hulk on shore.
F	1,000	1,100	50°	Parsonage.
G	2,000	1,910	55°	Wireless school.
Intermediate object	—	3,500	20°	Top of Castlequin Mountain.
h	4,000	—	—	No object available. (Top of Castlequin well visible).
I	7,000	7,600	40°	Top of Knocknadober Mountain.
J	10,000	10,000	220°	Kilkeaveragh Mountain.
Intermediate object	—	17,000	55°	Drung Hill.
k	20,000	—	—	No object available. (Drung Hill well visible).
l	30,000	—	—	No object available.
m	50,000	—	—	No object available.

Seawards Visibility Objects at Valentia Observatory.

Indication letter of object.	Standard distance of object.	Actual distance of object.	Bearing of object in degrees from N.	Description of object.
	Metres.	Metres.		
F	1,000	1,000	205°	Farmhouse on skyline.
G	2,000	2,200	265°	Laght Point.
H	4,000	3,760	280°	Black Rock.
I	7,000	6,500	250°	Ridge between two hills on Valentia.
J	10,000	10,000	220°	Kilkeaveragh mountain.
k	20,000	—	—	No object available.
Intermediate objects	—	23,500	320°	Mount Eagle.
	—	25,500	325°	Croaghmarhin Mountain.
l	30,000	—	—	No object available. (Croaghmarhin well visible).
m	50,000	—	—	No object available. (Croaghmarhin exceptionally visible).

Identification Numbers of Instruments in Use in 1927.

Standard Fortin Barometer .. .. M.O. 463

Standard Dry Bulb Thermometer .. M.O. 1701 Corrections Nil

Standard Wet Bulb Thermometer .. M.O. 1702 Corrections 255°–266° +·2°; 267°–268° +·1°; 269°–272° Nil.; 273° and above, —·1°

Recording Beckley Raingauge .. —

Control Raingauge .. .. .. M.O. 402

Glass for Control Raingauge.. .. M.O. 1662

Campbell Stokes Sunshine Recorder M.O. 5

Robinson Cup Anemograph .. .. Beck 46

Dines Tube Anemograph .. .. —

Grass Minimum Thermometer .. M.O. 17776 Corrections Nil

All thermometer corrections are applied at the Observatory before tabulation.

TABLE A.

Diurnal Variation of Barometric Pressure, 1927. *Fourier Coefficients.*

Cahirciveen (Valentia Observatory), Longitude 10° 15′ W.

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

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	mb.	°	mb.	°	mb.	°	mb.	°
January	·913	174	·254	143	·167	335	·108	215
February	·167	84	·288	145	·099	345	·048	80
March	·202	156	·231	142	·058	25	·007	70
April	·143	169	·255	144	·038	150	·040	20
May	·102	152	·285	152	·093	175	·010	335
June	·299	184	·221	145	·086	165	·003	60
July	·362	194	·243	137	·081	160	·015	285
August	·405	219	·293	150	·063	185	·037	350
September	·147	168	·307	150	·005	50	·054	20
October	·484	123	·439	159	·155	345	·031	55
November	·198	170	·359	151	·113	0	·045	210
December	·270	280	·304	169	·157	340	·082	195
Arithmetic Mean ..	·308	..	·289	..	·093	..	·040	..
Year	·237	175	·287	150	·033	350	·003	240
Winter	·267	179	·302	153	·134	345	·054	200
Equinox	·234	142	·305	151	·045	0	·032	25
Summer	·269	197	·257	146	·079	170	·013	340

TABLE B.

Diurnal Variation of Temperature, 1927. *Fourier Coefficients.*

Cahirciveen (Valentia Observatory), Longitude 10° 15′ W.

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

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	a.	°	a.	°	a.	°	a.	°
January	·396	229	·250	59	·073	245	·054	45
February	·759	235	·447	55	·119	240	·047	160
March	·968	232	·370	83	·114	245	·049	205
April	1·487	242	·342	94	·066	40	·075	305
May	2·279	243	·215	149	·286	65	·033	360
June	1·762	244	·145	124	·209	70	·038	30
July	1·903	243	·213	92	·126	60	·056	315
August	1·572	247	·269	52	·133	55	·087	305
September	1·439	241	·359	84	·092	35	·098	265
October	1·174	249	·402	71	·118	250	·047	190
November	·896	234	·447	55	·145	235	·038	120
December	·289	228	·207	48	·087	225	·019	70
Arithmetic Mean ..	1·244	..	·306	..	·131	..	·053	..
Year	1·239	242	·273	75	·028	70	·019	295
Winter	·575	233	·332	55	·104	235	·026	95
Equinox	1·263	241	·362	83	·027	290	·053	250
Summer	1·870	244	·166	100	·188	65	·044	330

NOTE.—The seasonal means are derived from the following grouping of months:—*Winter:* January, February, November and December; *Equinox:* March, April, September and October; *Summer:* May to August, inclusive.

TERRESTRIAL MAGNETISM.

Notes on the Magnetic Observations for the Year 1927.

Absolute observations of declination, horizontal force and inclination were made weekly at the Valentia Observatory during the year 1927. The instruments in use were the same as in previous years, namely, the Dover unifilar, No. 139, with collimator magnet 139A and mirror magnet 139C, and the Dover dip circle, No. 118. The mean times of observation were 10·22 for the declination, 11·42 for the horizontal force and 14·29 for the inclination, all according to Greenwich Mean Time. In the individual observations the greatest departure from the mean time in any element was 6 minutes. The deflection of the mirror magnet was measured for two distances of the collimator magnet, namely, 30cm. and 40cm. The complete deflection observation consisted of eight readings of the mirror magnet. The distribution constant, P, used for 1927 was computed from the mean deflections for 30cm. and 40cm. for the seven years 1920–1926 inclusive. The mean P so obtained was 7·54. The moment of the collimator magnet has decreased at the rate of about 1·5 unit per annum.

The values of the declination, horizontal force and inclination obtained in the absolute observations are given in detail in Table C. All the observations made are included in this table, but in Table D the mean monthly values are computed from only such of the absolute observations as were taken at times subsequently found, by reference to the quarterly list of daily " magnetic characters " published by authority of the International Meteorological Committee, to be free from serious disturbance. Observations in Table C taken at disturbed times, and not, therefore, utilised for the 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′·3 as compared with 1926. From 1925 to 1926 the decrease was 11′·6 and in the previous 12 months 12′·5. The average annual decrease for the five years 1920–1925 was 11′·1, for the five years 1915–1920 it was 9′·2, and for the five years 1910–1915 it was 8′·2. During the five years ending in 1927 the average annual decrement is 11′·5 so that the rate of the eastward movement of the magnetic needle appears to have increased slowly.

Northerly inclination decreased by 0′·9 from 1926 to 1927. The corresponding change for the preceding year was +0′·1, and for the year previous to that −0′·6. From 1910 to 1915 the average yearly decrease was 1′·0, from 1915 to 1920 0′·5, and from 1920 to 1925 1′·1. For the five years 1922–1927 the average change per year is −0′·7. Inclination, therefore, continues to diminish at a slow rate.

Up to 1920 the mean annual values of horizontal force had shown a steady decline from year to year. From 1921 to 1924 the change was in the opposite direction, each year having a mean value higher than that of the preceding year. It would appear that the increase was temporary since a decline was in evidence from 1924 to 1926. From 1926 to 1927, however, a slight increase has again appeared. The amount of annual change is shown in the following table :—

Period.	Annual Change.
1910–15	5γ decrease (mean value).
1915–20	6γ ,, (mean value).
1920–21	8γ increase
1921–22	1γ ,,
1922–23	3γ ,,
1923–24	2γ ,,
1924–25	5γ decrease.
1925–26	14γ ,,
1926–27	2γ increase.

Reference to the last column of Table D shows that the reversal of the annual change in the horizontal force from 1920 to 1924 was not accompanied by any such reversal in the total force. From 1910 to 1915 the average yearly change in the total force was -49γ, from 1915 to 1920 it was -33γ and from 1920 to 1925 it was -32γ. From 1922 to 1927 the mean annual change is again -32γ, so that the total force has continued to decrease at a fairly uniform rate. The individual changes from year to year as shown in the table 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 $0'{\cdot}1$ in I would give an error approximately 4γ in T at Valentia. In addition, it is to be remembered that the secular change data for Valentia are obtained from absolute observations made at fixed hours at any of which the value obtained for an element may differ, by an amount which is not necessarily constant, from its true mean value for the day of observation. It is by no means improbable that owing to this and errors of observation, uncertainties to the extent of several tenths of a minute of arc may be introduced into the mean value of I for the year. For the average change over a series of years these possible errors are naturally much diminished and the average fall of 37γ per annum in the total force obtained from the values in Table D is probably a close approximation to the true change. This continued decrease in the total force indicates that the rise in the value of the horizontal force observed from 1920 to 1924 was not a true increase in the magnetic field but merely a component increase arising from the continued fall in the inclination, which becomes proportionally more effective in the horizontal component as the actual inclination angle itself becomes smaller. The magnetic field in the Valentia district continues to become less year by year, therefore, although without observations of inclination the opposite would have appeared to be the case in some recent years.

TABLE C.

Cahirciveen (Valentia Observatory). Absolute Magnetic Observations, 1927.

Latitude 51° 56′N. Longitude 10° 15′W.

Date.	Westerly Declination	Horizontal Force	Northerly Inclination	Date.	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′		° ′	γ	° ′
January 7 ..	18 8·0*	17812*	68 2·0*	July 1 ..	17 54·1*	17838*	67 59·9*
,, 14 ..	18 3·5	17849	68 0·6	,, 8 ..	17 56·7	17842	67 59·3
,, 21 ..	..	..	68 0·0	,, 16 ..	17 58·5	17861	67 57·3
,, 22 ..	18 5·0	17848	..	,, 22 ..	17 55·5	..	..
,, 28 ..	18 4·1	17852	68 0·6	,, 23 ..	17 57·5*	17795*	68 1·7*
				,, 29 ..	17 57·5	17842	67 58·6
February 4 ..	18 6·0	17842	67 59·6				
,, 11 ..	18 6·9	17837	67 59·6	August 5 ..	18 1·5	17837	67 59·9
,, 18 ..	18 6·5	17849	67 59·4	,, 12 ..	17 57·3	17818	67 59·3
				,, 19 ..	17 57·5*	17818*	67 59·2*
March 7 ..	18 1·3	17841	67 58·9	,, 26 ..	17 58·2	17828	67 59·4
,, 10 ..	..	..	67 58·5*				
,, 11 ..	18 0·4	17806	..	September 2 ..	18 0·0	17805	67 59·9
,, 18 ..	18 6·0*	..	67 59·4*	,, 10 ..	18 0·8*	17842*	68 0·2*
,, 24 ..	..	..	67 58·9	,, 16 ..	17 56·0*	17829*	67 59·4*
,, 26 ..	18 5·6*	17838*	..	,, 23 ..	17 57·1	17849	67 58·9
April 1 ..	18 0·4	17812	67 59·9	October 6 ..	18 1·9	17848	67 59·5
,, 8 ..	18 4·7	17808	68 1·7	,, 14 ..	17 55·1	17801	68 0·9
,, 15 ..	18 3·2	17791	68 2·2	,, 21 ..	17 56·1	17846	67 59·7
,, 22 ..	17 57·9	17822	67 58·4	,, 28 ..	17 56·8	..	..
,, 28 ..	18 0·2	17826	67 58·1	,, 29 ..	17 56·2	17830	68 0·1
May 6 ..	17 58·4*	17814*	68 0·7*	November 4 ..	17 55·3	17835	67 59·0
,, 13 ..	17 58·2	17845	67 57·3	,, 11 ..	17 54·4	17844	67 58·0
,, 20 ..	..	17850*	67 58·9*	,, 18 ..	17 58·9*	17861*	68 0·3*
,, 27 ..	17 59·3	17851	67 58·8	,, 25 ..	17 59·3	17847	67 58·6
June 2 ..	17 58·0	17846	67 58·0	December 2 ..	17 56·5*	17840*	68 0·6*
,, 10 ..	18 0·8*	17862*	67 59·4*	,, 15 ..	17 57·1	17828	68 0·9
,, 17 ..	18 1·1	17841	67 58·2	,, 23 ..	17 54·5	17841	67 58·5
,, 24 ..	17 58·9	17858	67 58·7	,, 31 ..	17 55·8	17853	67 59·1

* Disturbance at these times. Values not utilised in computing means given in Table D.

TABLE D.

Valentia Observatory, Cahirciveen.

Magnetic Data for the Year 1927.

1927.	Declination (West).		Inclination (North).		Horizontal Force.	North.	West.	Vertical.	Total.
	°	′	°	′	γ	γ	γ	γ	γ
January	18	4·2	68	0·4	17850	16970	5537	44196	47664
February	18	6·5	67	59·5	17843	16960	5546	44145	47615
March	18	0·9	67	58·9	17823	16949	5512	44073	47540
April	18	1·3	68	0·1	17812	16938	5511	44088	47551
May	17	58·7	67	58·1	17848	16976	5509	44103	47578
June	17	59·3	67	58·3	17848	16976	5512	44110	47585
July	17	57·1	67	58·4	17848	16979	5501	44120	47591
August	17	59·0	67	59·5	17828	16957	5504	44107	47575
September	17	58·5	67	59·4	17827	16957	5501	44103	47568
October	17	57·2	68	0·0	17831	16963	5496	44136	47601
November	17	56·3	67	58·6	17842	16975	5495	44108	47578
December	17	55·8	67	59·5	17841	16974	5492	44140	47610
Year, 1927	17	59·5	67	59·2	17837	16965	5509	44119	47588
Year, 1926	18	10·8	68	0·1	17835	16945	5565	44147	47612
Year, 1925	18	22·4	68	0·0	17849	16939	5626	44177	47646
Year, 1924	18	34·9	68	0·6	17854	16923	5689	44213	47682
Year, 1923	18	46·5	68	1·5	17852	16902	5746	44242	47707
Year, 1920	19	17·9	68	5·3	17840	16837	5896	44353	47806
Year, 1915	20	3·8	68	7·9*	17869	16785	6130	44519*	47972*
Year, 1910	20	44·6	68	13·0	17892	16732	6337	44771	48215

* Mean of 11 months only.

Readings in millibars at exact hours, Greenwich Mean Time.

342. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **January, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	025·8	025·8	025·7	025·3	025·1	025·1	024·8	024·7	024·9	025·0	025·2	024·7	024·1	024·0	024·1	024·0	023·9	023·8	023·9	024·0	023·6	023·5	023·3	023·0	024·5
2	022·4	022·0	021·5	020·9	020·1	019·8	019·6	019·4	019·2	018·7	018·3	017·4	016·4	015·3	014·5	013·9	013·0	012·1	011·5	011·1	011·0	011·4	011·2	011·1	016·6
3	010·9	010·6	010·8	010·7	010·4	010·5	010·6	011·0	011·4	011·6	012·2	011·7	011·5	011·4	011·8	012 0	012·6	013·1	013·7	014·2	014·9	015·0	015·5	015·9	012·1
4	015·9	016·2	017·1	017·6	018·1	019·2	020·1	020·7	021·9	022·9	023·9	024·4	024·7	024·5	024·8	024·9	024·5	024·3	024·0	023 9	023·6	023·6	021·4	020·2	021·7
5	019·0	018·3	018·5	018·8	019·0	019·0	019·1	019·2	019·5	019·7	019·8	019·5	019·0	018·7	018·3	017·8	017·0	016·7	015·7	015·0	014·2	013·9	013·5	012·9	017·7
6	012·5	012·1	012·1	011·9	011·7	011·6	011·1	011·3	011·4	011·4	011·2	010·8	010·4	010·0	009·5	009·4	009·9	009·7	009·6	009·8	009·4	009·4	009·1	009·1	010·7
7	009·2	009·4	010·1	010·8	011·4	012·2	012·8	013·4	014·9	015·9	016·6	016·8	017·3	017·9	018·3	018·7	018·8	019·7	019·5	021·3	021·5	021·6	022·0	022·8	016·1
8	023·1	023·5	023·8	024·6	025·1	025·8	026·0	026·6	026·8	027·4	027·2	027·1	027·4	027·1	027·2	027·4	027·9	028·8	029·4	030·1	030·2	030·8	031·2	031·3	027·1
9	031·6	031·7	031·9	032·0	031·8	032·7	033·1	033·7	034·4	034·4	035·2	035·6	035·5	035·6	036·0	036·3	036·6	036·5	036·7	037·0	037·0	037·2	036·9	037·0	**034·7**
10	036·9	036·7	036·6	036·6	036·3	035·9	035·7	035·7	035·9	035·9	035·9	035·4	034·6	034·2	033·9	033·4	033·2	033·2	033·1	032·7	032·2	031·7	030·7	030·1	034·6
11	029·3	028·6	027·9	027·2	026·5	025·8	025·5	025·4	025·1	024·7	024·3	023·7	023·0	022·2	022·0	022·3	022·4	022·5	023·2	023·1	023·1	023·0	022·6	022·3	024·6
12	021·6	020·1	019·0	018·2	016·1	014·0	012·0	009·7	007·1	004·0	000·7	997·6	996·4	995·4	994·4	995·1	995·7	996·6	997·8	999·2	001·0	000·7	000·8	000·5	005·2
13	000·3	000·3	000·5	000·1	999·1	998·6	998·1	998·3	998·6	998·6	998·6	998·7	998·8	998·7	999·4	000·1	000·8	001·2	001·1	000·6	999·9	999·0	998·1	997·4	999·4
14	997·0	995·6	994·7	993·9	993·0	992·2	992·0	991·7	991·6	991·4	991·0	990·1	989·2	988·5	988·2	988·7	988·9	989·0	988·9	988·5	988·5	988·3	988·1	987·4	990·9
15	987·5	987·8	988·5	988·7	989·0	989·1	989·7	990·6	991·4	992·0	992·4	992·8	993·0	993·5	994·4	995·3	996·1	997·1	997·9	998·9	999·6	999·7	999·9	999·8	993·3
16	999·9	000·0	000·2	000·1	999·9	999·3	999·2	999·1	998·7	998·5	998·5	998·0	997·5	998·0	997·9	998·6	999·0	999·4	999·7	000·5	000·8	000·8	000·9	001·0	999·4
17	001·0	000·9	001·1	001·3	001·3	000·9	001·2	002·0	002·7	002·6	002·6	002·5	001·9	001·4	001·3	001·3	001·2	001·1	001·0	001·3	002·4	003·4	004·2	005·1	001·8
18	005·6	005·7	006·3	007·2	009·0	010·7	012·7	013·6	015·2	016·2	017·1	017·6	018·0	018·1	018·5	019·2	019·9	020·2	020·0	020·9	021·1	021·7	021·8	021·7	015·4
19	021·6	021·4	021·3	021·5	020·9	020·7	020·8	021·0	021·1	020·9	020·7	020·4	019·6	018·5	018·0	017·5	016·8	015·9	015·1	014·1	012·9	012·0	010·8	009·3	018·3
20	008·0	006·6	005·7	004·7	004·0	003·3	003·7	004·0	004·4	004·8	005·2	005·2	005·1	004·9	005·2	005·4	005·6	006·1	006·5	006·6	007·2	007·5	007·6	008·0	005·7
21	007·6	007·5	008·4	007·3	007·2	006·5	006·5	006·6	006·4	006·9	007·3	006·9	006·6	006·2	006·6	006·7	006·8	006·8	006·7	006·5	006·4	006·3	005·6	004·8	006·8
22	003·8	002·3	001·5	000·4	999·8	000·3	000·4	000·7	001·2	001·8	002·0	001·7	001·7	001·6	001·6	001·8	002·0	002·0	001·9	002·1	002·0	002·0	001·8	001·8	001·7
23	001·8	001·5	001·5	001·3	001·2	001·3	001·3	001·5	002·0	002·3	002·5	002·7	002·4	002·3	002·6	002·7	003·1	003·6	003·4	003·5	002·8	002·0	001·5	002·0	002·2
24	000·6	999·1	998·2	996·3	994·9	993·8	992·3	991·4	991·0	991·0	990·1	990·3	991·3	991·0	991·0	991·4	991·9	992·5	992·7	993·2	993·6	994·1	994·4	994·6	993·5
25	994·1	995·0	995·3	995·7	995·7	995·9	996·0	996·6	997·9	998·7	999·3	000·0	000·3	000·8	001·1	001·8	002·3	003·1	003·0	003·6	003·2	002·9	001·8	000·5	999·2
26	998·3	996·6	995·0	993·5	991·6	988·4	984·9	982·6	984·1	988·5	992·4	994·9	997·0	998·9	000·4	001·5	001·9	001·6	001·6	001·1	001·2	001·1	001·4	001·1	995·8
27	000·7	001·1	001·2	001·0	001·2	001·9	002·6	005·1	006·0	007·4	008·5	010·0	010·7	011·2	011·3	011·5	010·9	010·5	009·5	009·6	008·6	007·4	006·7	005·7	006·6
28	004·2	002·2	000·2	997·9	995·9	993·7	990·4	988·6	990·2	991·1	992·6	994·0	994·5	994·7	995·0	994·5	993·2	992·8	990·9	988·7	986·8	984·6	981·9	979·7	993·0
29	980·6	982·6	983·6	983·6	984·6	984·7	984·5	986·6	987·7	988·7	990·4	990·5	990·2	990·3	990·2	990·5	991·1	990·8	991·0	991·1	990·6	990·4	990·6	999·0	**987·9**
30	989·0	988·2	987·4	986·1	985·7	985·9	986·1	986·2	986·4	987·1	988·6	989·0	989·2	988·9	989·1	989·8	990·2	990·7	991·6	992·4	992·3	993·0	993·5	993·3	989·1
31	993·3	993·5	993·6	993·8	993·7	993·5	993·3	993·7	993·8	994·0	994·0	994·0	994·2	994·4	994·7	995·5	996·6	997·4	998·0	998·7	999·2	000·0	000·2	000·5	995·4
Mean (Station level)	1008 ·16	1007 ·84	1007 ·72	1007 ·39	1007 ·07	1006 ·85	**1006 ·65**	1006 ·80	1007 ·19	1007 ·55	1007 ·88	1007 ·87	1007 ·79	1007 ·68	1007 ·78	1008 ·03	1008 ·19	1008 ·35	1008 ·36	**1008 ·49**	1008 ·41	1008 ·32	1008 ·03	1007 74	1007 ·77
Mean (Sea level)	1009 ·85	1009 ·53	1009 ·41	1009 ·08	1008 ·75	1008 ·53	**1008 ·33**	1008 ·48	1008 ·87	1009 ·24	1009 ·57	1009 ·55	1009 ·47	1009 ·36	1009 ·46	1009 ·71	1009 ·87	1010 ·04	1010 ·05	**1010 ·18**	1010 ·10	1010 ·01	1009 ·72	1009 ·43	1009 ·45

343. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **February, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	000·7	000·8	000·7	000·3	000·4	000·3	000·2	000·4	000·2	000·0	000·5	000·7	000·7	001·0	001·5	002·8	003·4	004·3	005·3	006·0	006·7	007·7	008·8	009·3	002·4
2	010·4	011·4	012·3	013·2	014·0	014·8	015·8	016·7	017·1	017·7	017·8	017·6	017·7	017·3	017·1	016·9	017·2	017·0	016·9	016·8	016·7	016·8	017·0	016·8	015·7
3	016·8	016·8	016·5	016·2	016·5	016·5	016·5	016·6	016·5	016·5	016·2	015·9	015 2	015	014·9	014·9	015·9	016·8	017·8	019·0	020·0	021·1	022·1	016·8	
4	023·2	024·2	024·5	025·3	025·8	026·3	027·1	027·7	028·2	028·8	029·1	029·2	028·9	028·4	028·0	027·7	027·4	026·9	026·5	026·0	025·2	024·4	023·7	023·3	026·5
5	022·9	022·1	021·3	020·6	019·9	019·6	019·7	019·7	020·2	021·0	021·7	022·9	023·2	023·7	024·5	025·1	026·1	026·8	027·4	028·4	029·0	029·2	029·8	030·2	023·8
6	030·8	030·9	031·4	031·9	032·0	032·2	032·7	033·2	033·5	033·7	034·1	034·5	034·8	034·7	034·6	034·4	034·5	034·8	035·5	035·4	035·4	035·8	035·8	035·8	**038·7**
7	035·6	035·4	035·4	035·1	035·2	035·0	034·9	034·9	035·2	035·1	034·5	034·3	033·7	033·1	032·4	032·0	031·6	031·4	031·2	031·1	030·5	030·0	029·3	028·9	033·3
8	028·3	027·7	027·2	026·6	026·5	025·8	025·7	025·7	026·0	025·9	025·9	025·7	025·8	025·9	026·0	026·0	026·2	026·8	027·4	028·0	028·2	028·5	028·5	028·3	026·8
9	028·3	028·3	028·4	028·5	028·3	028·1	028·1	028·2	028·3	028·2	028·4	027·9	027·6	027·1	026·4	026·0	025·7	025·7	025·4	025·4	025·2	024·8	024·6	024·4	027·1
10	024·0	023·5	023·4	023·1	023·0	022·9	023·0	023·1	023·3	023·3	023·4	023·7	023·3	023·2	023·0	022·7	022·8	022·8	023·0	022·9	023·0	023·0	022·9	023·1	023·2
11	022·8	022·8	022·8	022·6	022·7	022·8	022·8	023·0	023·3	023·4	023·5	023·6	023·3	023·1	022·9	022·8	022·7	023·0	023·4	023·2	023·2	022·9	022·8	022·8	023·0
12	022·6	022·3	021·9	021·1	020·7	020·6	020·0	020·0	019·5	019·0	019·0	019·1	018·5	018·2	017·9	018·0	016·8	016·8	016·3	016·4	016·2	016·6	016·5	016·3	018·9
13	016·4	015·7	015·5	014·9	014·9	014·6	014·6	015·0	015·4	016·0	016·5	017·1	017·3	018·3	018·9	019·7	020·6	021·5	022·1	022·9	023·2	023·6	023·8	024·2	018·3
14	024·1	024·0	024·0	024·1	024·2	024·0	024·0	024·4	024·6	025·0	025·1	025·2	025·1	025·3	025·3	025·3	025·4	025·7	025·9	026·2	026·5	026·8	027·0	027·3	025·1
15	027·5	027·4	027·5	027·4	027·3	027·6	027·9	028·3	028·7	028·8	028·8	028·8	029·0	028·7	028·5	028·3	028·2	028·2	028·2	028·3	028·3	028·2	028·0	027·8	028·1
16	027·4	026·9	026·5	026·1	025·7	025·6	025·7	025·9	026·0	026·1	025·9	025·2	025·1	025·0	024·8	024·7	024·5	024·5	024·5	024·8	025·3	025·7	025·5	025·8	025·6
17	025·5	025·5	025·4	025·5	025·7	026·0	026·3	026·5	027·1	027·1	027·6	027·8	027·8	027·3	027·0	027·1	027·0	027·0	026·9	027·0	026·9	027·1	027·0	026·7	026·7
18	026·8	026·5	026·2	025·8	025·7	025·9	025·7	025·7	025·8	025·8	025·7	025·6	025·3	025·0	024·5	024·2	024·2	023·8	023·7	023·6	023·5	023·6	023·7	023·7	025·1
19	023·7	023·7	023·4	023·3	023·2	022·9	022·5	022·7	022·6	022·6	022·4	022·4	022·1	021·6	021·2	020·9	020·7	020·5	020·4	020·3	020·0	019·6	019·3	018·8	021·8
20	017·8	017·1	016·6	015·9	015·5	015·1	014·6	014·1	013·8	013·5	012·7	012·2	011·6	010·8	010·2	009·4	008·8	008·2	007·4	006·9	006·1	005·2	004·2	003·3	011·6
21	002·4	001·6	000·5	999·4	998·3	997·4	996·6	995·8	995·0	994·2	993·2	992·1	990·7	989·3	988·0	986·9	986·0	985·0	984·4	983·6	983·0	982·4	981·9	981·1	991·7
22	980·2	979·1	977·9	976·4	975·6	974·8	973·8	973·0	972·1	972·0	972·0	971·9	971·4	970·9	970·5	970·4	970·3	970·7	971·6	972·4	972·8	973·7	974·3	974·7	**973·6**
23	975·4	975·8	976·3	976·8	977·3	977·8	978·0	978·7	979·5	980·0	980·8	981·3	981·7	981·9	982·1	982·6	983·3	983·8	984·1	984·4	985·0	985·5	985·8	986·5	980·8
24	986·9	987·1	987·1	987·2	987·5	987·6	988·0	988·5	988·5	988·8	988·8	989·0	988·9	988·4	988·2	988·0	987·9	988·1	988·1	987·9	987·7	987·4	987·0	986·4	987·9
25	986·5	986·0	985·0	983·7	983·1	983·1	982·9	983·2	983·6	983·9	984·7	985·1	985·2	985·3	985·4	985·8	986·3	987·1	987·8	988·3	988·6	988·9	989·1	989·2	985·7
26	989·4	989·2	988·8	988·0	987·2	986·6	985·3	984·3	982·9	980·6	978·7	976·1	973·1	970·6	968·5	986·3	968·5	969·3	970·2	971·3	972·2	972·8	973·6	975·1	978·2
27	976·5	978·5	980·5	982·2	983·9	985·7	987·6	989·2	990·9	992·4	993·2	994·0	994·2	994·1	993·9	993·7	992·9	992·2	990·4	989·1	988·1	985·5	983·8	982·4	988·0
28	981·7	980·2	978·6	977·2	976·1	975·2	974·8	974·4	974·2	974·2	974·5	974·9	975·6	976·3	977·3	978·4	979·8	981·0	982·2	983·1	984·1	984·7	985·5	986·3	978·7
Mean (Station) level	**1011 ·95**	1011 ·80	1011 ·63	1011 ·37	1011 ·29	1011 ·24	1011 ·24	1011 ·39	1011 ·50	1011 ·56	1011 ·61	1011 ·58	1011 ·34	1011 ·06	1010 ·84	**1010 ·82**	1010 ·85	1011 ·03	1011 ·18	1011 ·34	1011 ·41	1011 ·44	1011 ·44	1011 ·45	1011 ·36
Mean (Sea level)	**1013 ·62**	1013 ·48	1013 ·32	1013 ·06	1012 ·98	1012 ·93	1012 ·94	1013 ·08	1013 ·19	1013 ·24	1013 ·29	1013 ·26	1013 ·02	1012 ·74	1012 ·52	**1012 ·50**	1012 ·53	1012 ·71	1012 ·86	1013 ·02	1013 ·09	1013 ·12	1013 ·12	1013 ·13	1013 ·04

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

344. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **March, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	987·2	987·8	988·3	989·0	989·9	991·2	992·1	993·4	994·7	995·7	996·7	997·9	998·4	999·5	000·0	001·0	002·3	002·4	004·3	004·9	004·9	005·5	005·7	005·1	997·0
2	004·7	004·9	004·1	002·8	001·4	000·2	998·7	998·1	997·6	997·7	997·9	998·6	998·7	999·6	000·5	001·6	002·5	003·6	005·0	006·7	007·0	007·9	008·9	009·9	002·3
3	010·6	010·6	010·6	010·8	010·7	010·7	010·5	010·1	009·4	009·3	007·6	006·0	004·7	002·7	001·3	000·1	998·7	997·6	996·1	994·4	993·2	992·1	991·6	990·5	003·7
4	989·9	989·2	988·3	987·1	986·9	986·4	985·8	985·6	985·5	985·6	985·4	985·2	984·8	983·9	983·5	982·5	982·0	981·8	981·5	981·5	982·0	982·7	983·0	983·5	984·9
5	984·5	985·3	986·0	986·8	988·2	989·3	990·2	991·2	992·7	993·5	994·3	994·7	995·2	995·0	995·3	995·4	995·8	996·3	996·9	997·0	997·8	998·2	998·8	998·8	992·9
6	998·7	999·1	998·9	998·8	998·7	998·8	998·5	998·4	998·7	998·4	998·0	997·6	996·6	996·0	995·0	993·9	992·9	991·6	990·9	990·9	991·2	991·7	992·1	992·9	995·9
7	993·2	993·2	992·6	992·5	992·0	991·8	991·6	992·0	991·8	992·2	992·3	992·7	992·7	992·6	992·9	992·7	992·8	992·9	993·1	993·4	993·6	993·7	993·6	993·8	992·7
8	993·9	994·0	994·0	993·8	994·0	994·4	994·7	995·4	996·1	996·9	997·3	997·9	998·4	998·5	998·6	998·8	999·0	999·2	999·7	999·8	999·7	999·8	999·8	999·7	997·1
9	999·7	999·6	999·4	999·4	999·1	999·5	999·6	000·2	000·9	001·3	001·7	002·0	002·2	002·1	002·2	002·4	002·6	002·9	003·3	003·5	003·3	003·5	003·7	003·5	001·5
10	003·4	003·4	003·3	002·7	003·0	003·8	004·5	005·1	006·1	006·4	006·6	006·8	006·7	006·9	006·7	006·7	006·6	007·0	007·6	007·8	007·8	008·1	008·4	008·9	005·9
11	009·5	010·4	011·0	011·7	013·0	014·0	015·2	016·4	017·1	017·9	018·4	018·7	019·1	019·1	019·7	019·7	020·3	021·1	021·9	022·4	022·9	023·2	023·5	023·5	017·6
12	023·7	023·8	023·6	023·6	023·7	023·8	024·0	024·2	024·5	024·3	024·5	024·4	024·2	023·7	023·3	023·0	022·6	022·7	022·8	022·9	023·0	023·2	023·0	022·6	**023·6**
13	022·4	022·0	021·3	020·8	020·5	020·2	020·1	020·0	019·9	019·7	019·3	018·9	018·3	017·5	017·0	016·6	016·5	016·4	016·4	016·3	016·0	016·0	015·6	015·0	018·6
14	014·6	014·1	013·7	013·4	013·0	012·9	012·4	012·5	012·2	011·9	011·3	011·0	010·3	009·6	009·0	008·6	008·2	007·7	007·4	007·1	007·3	006·8	006·3	005·5	010·5
15	005·2	004·3	004·0	003·9	004·0	004·4	005·1	005·8	006·3	006·9	007·0	007·8	008·7	009·1	010·0	010·4	010·9	011·8	011·9	011·9	011·9	011·5	011·2	011·2	008·0
16	010·8	010·9	010·4	009·9	010·0	009·9	009·9	009·5	009·2	009·0	008·7	008·6	008·1	007·3	007·2	006·5	006·0	006·1	006·1	006·5	006·5	006·2	005·8	005·6	008·2
17	005·3	005·6	005·1	005·2	005·5	006·2	006·4	006·8	007·5	007·8	008·4	008·8	009·0	009·1	009·5	010·1	010·7	011·9	**012·7**	013·9	014·6	015·1	016·0	016·3	009·3
18	015·9	016·3	016·6	016·5	016·8	017·2	017·4	017·7	018·0	018·1	018·6	018·9	018·8	018·6	018·3	018·3	018·2	018·5	018·7	019·0	019·4	019·6	019·7	019·7	018·0
19	019·7	019·7	019·4	019·2	019·4	019·5	019·8	020·3	020·4	020·7	020·9	020·7	020·6	020·5	020·5	020·5	020·3	020·5	020·8	021·1	021·4	021·4	021·5	021·4	020·4
20	021·2	021·1	020·5	019·8	019·7	019·3	019·2	019·2	018·9	019·0	018·5	018·2	017·9	017·4	016·9	016·3	015·7	015·4	014·8	014·1	013·5	012·6	012·1	011·3	017·4
21	010·6	009·5	008·6	007·6	007·0	006·0	004·7	003·5	003·5	003·1	003·0	002·3	001·8	001·2	000·5	999·7	999·4	999·2	999·2	999·5	999·5	999·3	998·5	997·4	003·0
22	996·8	996·1	996·0	996·2	996·4	997·0	997·4	998·1	998·7	999·2	999·6	999·5	998·9	997·7	996·0	994·5	993·2	991·3	989·8	989·7	989·1	988·9	988·8	989·3	995·1
23	988·9	988·6	988·3	987·1	986·5	986·1	985·7	985·6	985·9	986·1	986·1	986·4	986·4	986·3	986·1	986·0	985·2	984·2	983·1	981·9	980·4	979·5	980·3	981·7	985·3
24	982·3	982·3	981·8	981·4	980·8	980·7	980·6	980·8	980·8	980·7	980·8	981·1	981·4	981·0	981·3	981·4	981·3	981·1	981·0	980·8	980·2	979·0	977·3	975·2	972·5	980·5
25	970·7	970·1	969·2	968·8	968·8	968·2	968·0	967·6	967·2	966·5	966·0	965·6	966·6	968·5	971·7	973·4	975·5	977·1	978·4	979·6	980·4	981·1	981·8	982·4	**972·0**
26	982·7	982·8	982·6	983·0	983·7	984·2	984·7	985·2	985·8	986·1	986·4	986·6	986·4	986·1	986·4	986·4	987·0	987·5	988·3	988·8	989·3	989·6	989·9	990·2	986·1
27	990·5	991·2	991·5	991·7	992·2	992·8	993·4	994·1	994·8	995·6	996·3	996·7	997·4	998·0	998·2	998·7	998·6	998·9	999·1	000·1	001·4	002·6	004·1	005·3	996·5
28	005·8	006·3	006·7	007·3	007·9	008·4	008·7	008·9	009·1	009·0	008·9	008·7	008·2	007·6	006·9	005·6	004·3	002·8	001·7	000·5	999·7	999·1	999·2	999·1	000·6
29	999·0	998·9	998·9	999·0	999·2	999·4	000·1	000·8	001·5	002·2	002·7	003·3	003·8	003·9	003·8	003·4	002·3	002·1	002·0	001·8	001·8	001·8	001·9	002·7	001·4
30	003·0	003·6	004·0	004·8	005·2	005·9	006·6	007·8	008·5	009·6	010·8	011·8	012·3	013·1	013·9	014·2	014·6	015·5	015·8	015·7	015·8	015·6	015·5	015·1	010·5
31	014·9	013·3	012·4	010·4	008·8	005·9	002·5	999·6	997·6	996·1	994·3	991·5	990·7	992·8	994·4	999·3	003·3	006·1	008·8	010·7	012·0	013·4	014·6	015·2	004·5
Mean (Station level)	1001 ·91	1001 ·87	1001 ·65	**1001 ·45**	1001 ·48	1001 ·55	1001 ·74	1001 ·96	1001 ·15	1002 ·21	1002 ·23	1002	1002 ·16	1002 ·10	1002 ·15	1002 ·18	1002 ·23	1002 ·36	1002 ·55	1002 ·70	1002 ·75	1002 ·81	**1002 ·91**	1002 ·89	1002 ·13
Mean (Sea level)	1003 ·57	1003 ·53	1003 ·31	**1003 ·11**	1003 ·14	1003 ·21	1003 ·21	1003 ·40	1003 ·62	1003 ·80	1003 ·86	1003 ·88	1003 ·81	1003 ·75	1003 ·80	1003 ·83	1003 ·88	1004 ·01	1004 ·20	1004 ·35	1004 ·41	1004 ·47	**1004 ·57**	1004 ·55	1003 ·79

345. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **April, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	32.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	016·1	016·7	017·2	017·9	018·1	018·8	019·7	020·2	020·4	020·5	020·6	020·8	020·7	020·7	020·3	020·2	019·9	019·8	019·4	018·8	018·3	017·3	016·5	015·5	018·9
2	014·1	012·3	011·0	009·1	007·0	005·5	004·7	003·9	003·2	003·2	003·4	003·4	003·7	004·2	005·4	007·1	008·1	009·0	010·1	010·9	011·4	011·7	012·3	013·0	007·9
3	013·5	013·8	014·1	014·5	014·8	014·6	014·7	014·5	014·3	014·3	013·9	013·6	013·9	012·7	011·7	010·7	010·7	010·0	009·3	008·2	007·5	006·9	006·4	012·4	
4	005·8	005·0	004·0	003·2	002·5	002·1	001·2	000·3	999·0	997·7	997·5	997·8	997·9	998·2	998·6	998·9	999·1	999·5	999·6	999·8	999·8	999·6	999·7	999·7	000·4
5	000·2	000·2	000·1	000·1	000·1	000·0	000·5	000·6	000·8	000·9	001·2	001·0	000·9	000·8	000·9	000·4	000·0	999·8	999·3	999·5	999·2	999·7	999·7	999·7	000·2
6	000·4	000·9	001·4	001·8	002·5	003·2	003·9	004·9	005·5	005·9	006·2	006·3	006·4	006·5	006·3	005·9	005·5	005·3	004·9	004·7	004·3	004·1	003·9	003·1	004·3
7	002·6	001·9	001·2	000·7	000·3	000·3	000·1	000·2	000·5	000·8	000·7	000·6	000·7	000·8	000·5	000·4	000·3	999·9	999·8	999·7	999·7	999·5	999·0	998·7	000·5
8	998·2	997·6	997·0	996·5	996·2	996·0	996·3	996·5	996·5	996·6	996·9	996·9	996·7	996·7	996·7	996·7	996·8	996·9	997·3	997·8	998·5	999·6	000·3	001·3	001·9	**997·5**
9	002·6	003·0	003·1	003·6	004·1	004·4	005·0	005·5	005·8	006·1	006·8	007·4	007·6	007·7	007·9	008·1	008·3	008·3	008·9	009·9	010·3	010·4	010·6	011·1	006·7
10	011·2	011·0	011·0	011·3	011·8	012·5	013·0	014·3	014·5	014·1	014·9	015·2	015·6	915·9	015·8	016·2	017·1	018·1	019·2	020·6	020·6	021·4	021·9	022·0	015·6
11	022·4	022·5	022·5	022·5	022·6	023·0	023·1	023·6	023·7	024·2	024·6	025·0	025·2	025·7	025·7	026·2	026·2	027·0	027·1	028·0	028·8	029·1	029·7	029·9	025·2
12	030·0	030·1	030·4	030·9	031·0	031·5	032·3	033·0	033·3	033·3	033·6	033·3	033·2	033·0	033·0	033·0	032·8	032·5	032·2	032·6	032·9	032·6	032·4	031·8	**032·2**
13	031·5	030·7	030·1	029·6	029·4	029·0	028·7	028·3	027·7	027·4	026·8	026·7	026·1	025·1	024·4	023·6	023·0	022·6	021·7	021·4	020·2	019·6	018·7	017·9	025·7
14	017·1	016·5	015·8	015·2	014·7	014·3	014·2	014·0	013·9	013·6	013·1	012·5	012·3	011·7	011·2	011·2	011·2	011·5	011·9	012·3	013·0	013·2	013·8	014·1	013·5
15	014·6	015·5	016·4	016·4	016·6	017·5	018·4	019·1	019·7	020·5	021·4	022·2	023·1	023·6	023·6	023·9	024·3	024·8	025·5	026·1	026·6	026·9	026·8	026·8	021·4
16	026·9	027·0	026·9	027·0	027·1	027·2	027·5	027·8	027·7	027·5	027·6	027·7	027·5	027·2	026·9	026·7	026·6	026·4	026·2	026·2	026·2	026·3	026·1	025·9	026·9
17	025·8	025·5	025·0	024·7	024·6	024·7	024·8	024·9	024·8	024·9	024·9	024·9	025·0	024·7	024·7	024·6	024·8	024·8	024·8	024·9	025·2	025·5	025·7	025·8	025·0
18	025·5	025·4	025·1	025·1	025·0	025·2	025·4	025·5	025·6	025·6	025·7	025·6	025·1	025·1	024·9	024·8	024·6	024·5	024·6	024·7	024·9	024·8	024·8	024·7	025·1
19	024·6	024·2	024·1	024·0	024·0	024·1	024·3	024·1	024·3	024·6	024·8	024·9	025·1	025·0	024·9	024·5	024·4	024·2	024·2	024·3	024·4	024·4	024·2	024·0	024·4
20	023·6	023·3	022·9	023·0	022·9	022·3	022·6	022·4	022·1	022·5	022·4	022·4	022·4	022·4	022·2	022·1	022·0	022·0	022·0	022·0	022·1	021·9	021·8	021·8	022·4
21	021·5	021·0	020·9	020·7	020·1	019·7	019·8	020·0	019·7	019·8	019·8	019·6	019·4	019·2	018·6	018·4	018·0	017·5	017·2	017·2	017·1	016·9	016·9	016·6	019·1
22	015·8	015·2	014·5	014·1	013·5	013·2	013·3	013·1	012·7	012·5	011·7	011·2	010·9	010·2	010·8	010·7	010·8	010·9	011·2	011·7	012·1	012·2	012·4	012·7	012·5
23	013·2	013·4	013·6	014·1	014·6	015·6	016·7	017·6	018·5	019·0	019·1	019·2	019·4	019·5	019·5	019·2	019·2	019·1	019·0	018·6	018·8	018·5	018·1	018·0	017·5
24	017·3	016·7	015·9	015·3	014·9	014·5	014·5	014·4	013·8	013·3	013·3	012·6	012·2	011·7	011·2	010·9	010·9	010·5	010·1	010·0	010·0	009·8	009·2	008·8	012·8
25	008·2	007·5	006·8	006·1	005·4	005·1	004·9	004·5	004·1	003·8	003·5	003·3	003·1	003·2	003·0	003·4	003·8	004·3	004·9	005·4	006·5	007·2	007·7	008·3	005·2
26	008·6	009·1	010·0	010·1	011·2	011·8	012·5	013·2	013·8	014·4	015·3	015·6	015·9	016·2	016·5	016·7	016·7	017·0	017·3	017·8	018·4	018·8	018·8	018·8	014·6
27	018·9	018·8	018·0	018·8	018·6	018·8	019·2	019·0	019·1	019·2	019·1	019·0	018·9	018·6	018·3	018·1	018·0	017·9	018·0	018·1	018·2	018·2	018·1	018·6	
28	018·0	017·7	017·4	017·0	017·1	017·1	017·3	017·2	017·1	017·0	017·2	017·0	016·8	016·5	016·4	016·2	016·1	016·1	016·3	016·6	016·6	016·7	016·2	016·9	
29	016·6	016·5	016·5	016·5	016·4	016·6	017·0	017·3	017·4	017·7	017·9	018·1	018·2	018·0	018·1	017·9	017·9	017·9	017·9	018·2	018·7	018·8	019·1	019·3	017·6
30	019·2	019·0	018·8	018·8	018·8	019·1	019·2	019·7	019·7	019·9	020·2	020·0	019·9	019·8	019·6	019·6	019·5	019·3	019·1	019·4	019·6	019·5	019·4	019·3	019·4
Mean (Station level)	1015 ·47	1015 ·27	1015 ·09	1014 ·95	**1014 ·86**	1014 ·92	1015 ·16	1015 ·33	1015 ·31	1015 ·36	1015 ·49	1015 ·47	1015 ·45	1015 ·40	1015 ·30	1015 ·25	1015 ·23	1015 ·29	1015 ·33	1015 ·56	1015 ·71	**1015 ·74**	**1015 ·74**	1015 ·66	1015 ·35
Mean (Sea level)	1017 ·16	1016 ·96	1016 ·78	1016 ·64	**1016 ·56**	1016 ·62	1016 ·86	1017 ·01	1016 ·99	1017 ·04	1017 ·17	1017 ·15	1017 ·13	1017 ·08	1016 ·98	1016 ·93	1016 ·91	1016 ·97	1017 ·01	1017 ·24	1017 ·39	**1017 ·43**	**1017 ·43**	1017 ·35	1017 ·03
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	32.	24.	Mean

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

Readings in millibars at exact hours, Greenwich Mean Time.

346. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **May, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	019·0	018·5	018·2	017·8	017·3	017·1	016·8	016·5	016·3	016·1	015·4	014·9	013·7	012·9	011·6	010·2	009·1	008·1	006·5	006·0	005·1	003·9	002·7	001·6	012·7
2	000·5	000·0	999·8	999·7	999·3	999·2	999·0	998·7	998·4	998·1	998·1	998·3	998·8	999·3	999·9	000·4	000·8	001·4	002·0	002·2	002·3	002·1	001·7	001·0	**000·1**
3	999·7	997·9	997·0	996·8	996·8	997·1	997·1	997·5	997·9	998·4	999·0	999·4	999·8	000·4	000·7	000·9	001·5	001·7	002·4	003·3	003·8	004·3	004·7	005·2	**000·1**
4	005·5	005·8	005·9	006·2	006·7	007·5	007·9	008·3	009·0	009·5	009·9	009·8	010·5	011·0	011·2	011·4	011·7	011·9	012·3	012·9	013·3	013·6	013·9	014·2	009·8
5	013·8	013·8	013·8	013·9	014·0	014·1	014·2	014·5	014·7	015·1	015·2	015·3	015·7	015·8	015·7	015·6	015·7	015·9	016·1	016·6	016·8	017·0	017·0	017·0	015·2
6	017·1	016·9	016·9	016·8	017·0	017·1	017·5	017·8	017·8	017·8	017·7	017·7	017·9	017·9	017·7	017·6	017·6	017·9	018·2	018·4	018·5	019·0	019·2	019·0	017·7
7	018·7	018·8	018·7	018·4	018·4	018·4	018·6	018·9	019·1	019·2	019·3	019·6	019·3	019·4	019·3	019·4	019·4	019·3	019·3	019·3	019·6	019·6	019·7	019·7	019·1
8	019·1	018·5	017·8	017·3	016·7	016·2	016·0	015·9	015·1	014·4	014·4	014·7	014·5	013·9	013·4	013·2	012·6	012·7	012·5	012·6	013·5	013·7	013·8	013·5	015·0
9	013·8	013·7	013·8	014·1	014·4	015·0	015·6	015·8	016·0	016·3	016·6	016·9	017·2	017·6	018·0	018·2	018·6	018·9	019·1	019·6	020·0	020·5	020·8	020·9	017·0
10	021·2	021·4	021·6	021·7	021·9	022·3	022·7	023·0	023·4	023·3	023·6	023·7	023·8	023·9	024·0	024·1	024·4	024·5	024·6	025·0	025·5	025·7	025·9	026·0	023·5
11	026·1	026·1	026·4	026·4	026·7	027·0	027·3	027·4	027·5	027·9	028·0	028·2	028·3	028·4	028·5	028·2	028·1	028·0	028·2	028·4	028·6	029·0	028·8	028·7	**027·7**
12	028·4	028·1	027·8	027·5	027·3	027·6	027·5	027·5	027·6	027·7	027·8	028·0	027·9	027·6	027·5	027·1	027·0	026·7	026·4	026·5	026·5	026·9	026·8	026·6	026·2	027·3
13	026·0	025·5	025·2	024·9	024·8	024·8	024·9	024·9	024·8	024·5	024·3	024·2	023·9	023·9	023·5	023·2	022·8	022·7	022·5	022·1	021·8	021·5	021·1	020·6	023·8
14	020·0	019·5	018·7	017·9	017·2	016·7	016·3	015·8	015·1	014·6	014·3	013·9	013·7	013·6	013·5	013·3	013·1	012·9	012·8	012·7	012·8	012·7	012·7	012·5	015·0
15	011·9	011·8	011·1	010·9	010·8	010·7	010·4	010·2	009·8	009·3	008·8	008·2	007·7	007·0	005·9	005·6	005·9	006·3	006·5	006·8	007·2	007·2	007·0	006·8	008·6
16	006·6	006·2	006·0	005·8	005·6	005·5	005·8	005·9	006·0	006·1	006·1	006·4	006·8	007·1	007·3	007·5	007·8	008·1	008·4	008·9	009·5	010·0	010·4	010·8	007·2
17	011·1	011·4	011·7	012·1	012·5	013·3	013·9	014·5	015·2	015·6	016·0	016·3	016·9	017·6	017·7	018·0	018·4	018·7	019·2	019·6	020·2	020·7	020·8	021·0	016·1
18	021·1	021·3	021·1	021·0	021·0	021·3	021·6	022·0	022·2	022·3	022·7	022·5	022·4	022·2	022·3	022·3	022·2	022·5	022·8	023·5	024·3	024·5	024·4	024·6	022·3
19	024·8	025·2	025·4	025·5	026·0	026·4	026·8	027·3	027·2	027·2	026·8	027·1	026·8	026·8	026·9	026·7	026·0	026·1	025·8	025·8	025·9	025·6	025·2	024·8	026·2
20	024·2	023·6	023·2	022·8	022·4	021·9	021·5	021·2	020·8	020·3	019·9	019·4	018·9	018·5	017·7	017·4	016·9	016·4	016·0	015·6	015·6	015·5	015·3	015·1	019·4
21	014·9	014·6	014·6	014·6	014·6	014·8	015·6	015·6	015·8	016·1	016·4	016·6	017·1	017·4	017·8	018·3	018·7	018·7	019·1	019·8	020·3	021·0	021·2	021·2	017·2
22	021·4	021·3	021·5	022·0	022·6	022·9	023·4	023·7	024·2	024·5	024·9	025·1	025·1	025·2	025·4	025·3	025·4	025·7	025·7	025·4	025·9	026·2	026·5	026·4	024·3
23	026·2	026·0	026·0	025·9	026·0	026·2	026·6	026·5	026·8	026·8	027·3	027·4	027·4	027·6	027·3	027·4	027·4	027·6	027·7	028·0	028·5	028·5	028·5	028·2	027·1
24	027·9	027·6	027·5	027·3	027·3	027·5	027·5	027·4	027·3	027·3	027·6	026·9	026·6	025·9	025·4	024·8	024·5	024·4	024·2	023·9	023·5	023·6	023·7	023·4	022·6	025·9
25	022·0	021·5	020·7	020·4	020·1	020·1	020·0	019·8	019·8	019·5	019·4	019·4	019·0	018·4	018·0	017·9	018·1	017·9	018·1	018·1	018·0	018·2	018·0	017·7	019·3
26	017·4	017·5	017·5	017·4	017·6	017·7	018·2	018·4	018·4	018·3	018·3	018·4	018·3	018·5	018·6	018·6	018·5	018·3	018·4	018·3	018·5	018·4	018·6	018·6	018·2
27	018·3	018·2	018·0	017·7	017·5	017·6	017·6	017·4	017·1	016·5	016·1	016·0	015·5	015·1	014·6	014·3	014·0	013·8	013·4	013·3	013·0	013·0	012·8	015·9
28	013·1	012·9	012·9	012·5	012·1	011·9	011·9	011·9	011·7	011·3	011·4	011·1	010·7	010·3	009·9	009·6	009·3	009·2	009·4	009·8	010·2	010·1	010·0	009·7	011·0
29	009·3	009·2	009·0	008·8	008·8	009·0	009·1	009·2	009·1	009·0	009·0	008·7	008·4	008·2	008·1	007·5	007·2	007·1	007·3	007·5	008·0	008·1	008·1	008·0	008·4
30	007·8	007·5	007·1	007·4	007·9	008·0	008·0	008·0	008·0	008·8	008·8	009·2	008·7	009·0	008·8	008·6	008·3	008·2	008·1	007·9	008·0	008·2	007·9	008·0	008·1	008·2
31	008·0	007·8	007·6	007·1	007·0	007·0	006·7	006·6	006·6	006·6	006·6	006·2	005·8	005·7	005·4	005·2	005·1	005·1	005·2	005·3	005·5	005·7	005·8	005·9	005·8	006·2
Mean (Station level)	**1016** ·61	1016 ·39	1016 ·21	1016 ·08	1016 ·07	1016 ·19	1016 ·32	1016 ·40	1016 ·45	1016 ·42	1016 ·43	1016 ·40	1016 ·35	1016 ·30	1016 ·15	1016 ·04	**1016** ·00	1016 ·01	1016 ·07	1016 ·23	1016 ·50	1016 ·57	1016 ·55	1016 ·40	1016 ·31
Mean (Sea level)	**1018** ·29	1018 ·07	1017 ·89	1017 ·76	1017 ·75	1017 ·87	1017 ·99	1018 ·07	1018 ·11	1018 ·08	1018 ·08	1018 ·05	1018 ·00	1017 ·95	1017 ·80	1017 ·69	**1017** ·65	1017 ·66	1017 ·73	1018 ·00	1018 ·17	1018 ·24	1018 ·22	1018 ·07	1017 ·98

347. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **June, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	005·6	005·4	005·0	005·3	005·2	005·6	005·8	006·2	006·6	007·0	007·0	007·4	007·7	007·9	008·3	008·6	008·8	009·4	010·0	010·5	011·1	011·4	011·4	011·6	007·7
2	011·7	011·9	012·0	012·1	012·3	012·8	013·4	014·0	014·6	015·0	015·4	016·2	016·6	016·9	017·1	017·2	017·4	017·7	018·0	018·2	018·7	018·9	019·1	018·9	015·5
3	018·9	018·5	019·2	018·3	018·1	018·1	018·0	018·0	018·4	018·9	019·1	019·3	019·7	020·1	020·2	020·5	020·5	020·7	021·0	021·1	021·3	021·6	021·6	021·9	019·6
4	021·2	020·8	020·6	020·4	020·3	020·2	020·2	020·2	020·2	020·0	019·7	019·6	019·4	019·1	018·8	018·5	018·2	018·3	018·2	017·6	017·3	017·1	016·5	015·8	019·2
5	014·8	013·8	012·9	011·8	011·0	010·5	010·5	010·8	011·1	012·0	013·1	013·2	013·9	014·2	015·0	015·2	015·5	015·8	016·2	016·3	017·0	017·4	017·6	017·6	014·0
6	017·4	017·4	017·4	017·4	017·6	018·0	018·2	018·4	018·5	018·7	018·7	018·6	018·4	018·4	018·2	017·8	017·5	017·0	016·7	016·5	016·3	016·2	016·0	015·4	017·6
7	014·9	014·5	014·1	013·9	013·4	013·2	012·8	012·4	012·0	011·5	011·4	011·3	011·1	011·0	010·8	010·8	010·9	010·7	010·8	011·0	011·5	012·1	012·4	012·7	012·2
8	013·1	013·2	013·5	013·9	014·4	015·2	016·2	016·9	017·4	017·7	018·1	018·5	018·8	019·0	019·3	019·6	019·7	019·6	019·9	019·8	020·2	020·5	020·4	020·3	017·6
9	020·1	019·9	019·5	019·4	019·4	019·3	019·3	019·4	019·1	018·8	018·4	018·1	018·1	018·0	017·3	017·2	016·5	015·7	015·7	015·4	015·0	014·7	014·4	014·2	017·8
10	013·7	013·3	012·9	012·6	012·5	012·4	012·3	012·1	011·9	011·8	011·8	011·8	011·6	011·6	011·6	011·6	011·3	011·2	011·2	010·9	011·1	011·5	011·5	011·4	012·0
11	011·4	011·3	011·3	011·2	011·7	012·1	012·2	012·4	012·6	012·8	013·1	013·2	013·2	013·3	013·4	013·2	013·1	013·3	013·5	013·9	014·4	014·5	014·7	014·8	012·9
12	014·7	014·7	014·4	014·7	014·7	015·0	015·0	015·2	015·4	015·4	015·4	015·7	015·8	015·9	016·1	016·1	015·8	015·9	015·9	015·9	016·2	016·4	016·4	016·2	015·5
13	016·2	015·8	015·6	015·5	015·5	015·6	015·9	016·0	016·1	016·1	016·3	016·2	016·0	015·9	015·8	015·8	015·7	015·8	015·7	015·8	016·0	016·2	016·2	016·2	015·9
14	016·1	015·9	015·5	015·3	015·4	015·3	015·3	015·4	015·4	015·6	015·6	015·6	015·7	015·7	015·8	015·8	016·1	016·1	015·9	015·8	016·4	016·6	016·4	016·0	015·8
15	016·1	016·0	015·6	015·0	014·9	015·1	014·8	015·1	014·8	014·2	013·7	013·8	014·0	013·6	012·8	012·3	011·7	011·4	010·3	009·6	008·9	008·5	007·8	006·3	013·0
16	005·6	004·8	004·1	003·1	002·8	002·8	002·9	003·4	003·8	004·1	004·1	004·3	004·1	004·1	004·0	003·5	003·2	003·0	002·3	002·0	001·8	001·4	000·4	999·5	003·3
17	998·3	997·8	997·6	997·6	997·6	998·3	998·6	999·3	000·0	000·7	001·4	002·1	002·8	003·5	003·9	004·5	004·9	005·6	005·8	006·4	006·8	007·2	007·2	007·3	002·1
18	007·0	006·9	006·6	006·3	006·0	005·5	005·1	004·7	004·4	004·0	003·3	003·0	002·4	002·0	002·0	002·1	002·5	002·7	003·2	003·9	004·5	005·3	005·7	006·1	004·4
19	006·4	006·6	006·8	007·2	007·8	008·4	009·1	009·9	010·8	011·3	011·8	012·5	013·0	013·5	014·2	014·6	015·3	015·6	016·1	016·3	016·7	017·0	017·2	017·1	012·1
20	017·1	016·9	016·8	016·6	016·4	016·2	015·9	015·2	014·0	012·9	012·4	011·9	011·2	010·8	010·3	010·4	010·5	010·9	011·9	012·3	012·8	013·1	013·2	013·9	013·5
21	013·8	013·9	014·0	014·2	014·5	015·1	015·7	016·1	016·6	017·2	017·8	018·6	019·2	019·8	020·3	020·8	021·2	021·6	022·2	022·7	023·1	023·8	024·0	024·0	018·5
22	024·1	023·9	023·6	023·4	023·4	023·3	022·9	022·5	021·9	021·4	020·8	020·2	020·2	020·1	020·1	019·7	019·6	019·6	019·6	019·8	020·2	020·0	019·9	**021·5**
23	020·0	019·8	019·5	019·5	019·7	019·9	020·1	020·0	020·0	020·2	020·4	020·2	020·1	019·8	019·3	018·7	018·1	017·4	016·6	015·3	013·9	013·1	012·2	011·4	018·3
24	010·8	010·2	010·2	010·2	010·4	010·7	010·8	011·4	011·7	012·4	013·1	013·8	014·4	015·0	015·8	016·3	016·8	017·3	017·8	018·1	018·4	018·7	018·9	018·6	014·1
25	018·4	018·2	017·6	017·0	016·4	016·0	015·9	015·2	015·0	014·9	015·0	014·6	014·2	013·6	013·1	012·5	012·0	011·6	011·2	010·8	011·0	010·8	010·9	010·5	014·2
26	010·5	010·7	010·9	011·1	011·5	012·2	012·8	013·2	013·5	013·4	013·5	014·3	014·4	014·7	014·5	014·4	014·5	014·3	014·1	013·9	014·6	014·7	014·9	014·8	013·3
27	014·5	014·6	014·5	014·6	014·7	014·8	015·2	015·1	014·7	014·6	014·7	014·7	014·5	014·3	014·1	013·9	013·6	013·5	013·5	013·3	013·7	013·8	013·8	013·5	014·3
28	013·2	013·1	012·9	012·8	012·8	012·8	012·9	013·0	012·7	012·6	012·6	012·5	012·1	011·4	010·9	010·3	009·7	009·5	009·3	009·2	008·8	008·2	007·7	011·5
29	007·4	006·7	006·0	005·1	004·5	003·8	003·2	002·5	001·9	001·3	000·4	999·9	999·3	998·7	998·3	997·9	997·5	997·4	997·4	997·6	997·8	997·9	997·9	997·7	001·0
30	997·6	997·7	997·5	997·6	997·9	998·0	998·1	998·0	998·1	998·5	998·5	998·5	998·6	998·6	998·7	998·6	998·6	999·1	999·6	999·9	999·9	000·0	000·0	999·7	**998·6**
Mean (Station level)	1013 ·02	1012 ·81	1012 ·60	1012 ·44	**1012** ·42	1012 ·54	1012 ·65	1012 ·74	1012 ·83	1012 ·86	1012 ·92	1013 ·02	1013 ·03	1013 ·04	1013 ·02	1012 ·97	1012 ·91	1012 ·93	1012 ·99	1012 ·99	1013 ·18	**1013** ·31	1013 ·23	1013 ·02	1012 ·90
Mean (Sea level)	1014 ·69	1014 ·48	1014 ·27	1014 ·10	**1014** ·08	1014 ·21	1014 ·32	1014 ·41	1014 ·49	1014 ·51	1014 ·57	1014 ·67	1014 ·68	1014 ·69	1014 ·67	1014 ·62	1014 ·56	1014 ·58	1014 ·65	1014 ·65	1014 ·85	**1014** ·98	1014 ·90	1014 ·69	1014 ·56
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

348. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **July, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	999·8	000·1	000·2	000·5	000·7	001·0	001·4	001·5	001·6	002·0	002·7	003·0	003·0	003·3	003·6	003·6	003·7	003·9	004·2	004·6	005·0	005·3	005·4	005·4	002·6
2	005·3	005·5	005·4	005·4	005·5	006·0	006·0	006·1	006·3	006·2	006·2	006·2	006·2	006·0	006·1	005·8	005·6	005·1	004·8	004·6	004·5	004·0	003·3	002·3	005·4
3	001·1	000·0	999·1	998·6	998·4	998·1	997·5	997·0	997·3	997·0	996·2	995·5	994·0	992·4	990·5	989·4	988·3	987·7	987·3	986·5	986·5	985·7	985·8	985·6	993·5
4	985·4	984·6	984·4	984·2	984·7	985·8	987·4	988·3	989·3	990·1	991·2	992·0	993·0	993·3	993·4	993·7	994·0	994·3	994·4	994·4	994·4	994·5	994·2	994·2	**990·5**
5	994·1	994·0	994·0	993·9	994·0	994·2	994·3	994·4	994·6	994·7	994·9	995·1	995·0	995·1	994·9	994·8	994·6	994·3	994·2	994·2	994·2	994·5	994·6	994·7	994·5
6	994·9	994·7	994·3	994·3	994·2	994·2	994·3	994·6	994·8	995·1	995·4	995·8	996·0	996·4	996·8	997·1	997·5	997·9	998·5	999·1	999·5	000·0	000·4	000·6	996·4
7	000·8	001·2	001·5	001·6	001·8	002·5	003·1	004·0	004·2	004·6	005·1	005·5	005·8	006·1	006·9	007·4	008·1	008·3	008·6	009·0	009·5	009·8	010·1	010·2	005·5
8	010·3	010·0	009·9	009·6	009·6	009·3	009·3	009·5	009·6	009·8	010·2	010·3	010·7	011·1	011·3	011·4	011·7	011·8	011·9	012·1	012·5	013·0	013·1	012·8	010·8
9	012·5	012·3	012·6	012·7	012·5	012·4	012·6	012·6	012·8	012·8	012·7	012·8	013·0	013·2	013·0	013·3	013·5	013·8	014·0	014·3	014·8	015·2	015·4	015·6	013·3
10	015·7	015·9	015·9	016·1	016·2	016·4	016·9	017·5	017·6	017·9	018·1	018·4	018·6	018·9	019·0	019·0	019·1	019·1	019·1	019·2	019·4	019·6	019·6	019·6	017·9
11	019·4	019·2	019·1	018·8	018·8	018·9	018·9	018·9	018·7	018·5	018·4	018·3	018·3	018·1	017·9	017·6	017·4	017·1	016·9	016·9	017·3	017·3	017·3	017·1	018·2
12	016·9	016·6	016·3	016·3	016·2	016·1	016·2	016·2	016·1	016·2	016·4	016·4	016·4	016·3	016·2	016·0	015·7	015·9	015·8	015·9	016·2	016·3	016·3	016·4	016·2
13	016·0	015·9	015·6	015·4	015·4	015·6	015·8	016·1	016·1	016·1	016·0	015·9	016·0	016·1	016·3	016·5	016·5	016·6	017·1	017·6	018·0	018·7	019·0	018·8	016·5
14	018·9	018·9	019·0	019·2	019·3	019·8	020·3	020·8	021·2	021·5	021·7	021·9	022·1	022·3	022·5	022·7	022·7	022·9	023·3	023·5	024·1	024·7	024·7	024·7	021·7
15	024·7	024·7	024·7	024·7	024·8	024·8	025·0	025·2	025·3	025·4	025·1	025·2	025·2	025·0	025·2	024·9	024·6	024·4	024·4	024·4	024·7	024·8	024·8	024·5	**024·9**
16	024·5	024·2	024·0	024·0	023·8	023·9	023·8	023·9	023·9	023·7	023·3	023·1	023·0	022·7	022·5	022·0	021·8	021·3	021·2	021·1	021·2	021·1	021·1	020·8	022·8
17	020·6	020·1	019·8	019·8	019·7	019·8	019·8	019·8	019·8	019·7	019·9	019·9	019·8	019·6	019·4	019·2	019·1	019·0	018·8	018·8	018·8	019·1	019·3	019·1	018·8	019·5
18	018·8	018·6	018·2	018·0	017·8	017·7	017·6	017·7	017·6	017·6	017·4	017·2	017·1	016·6	016·2	016·4	016·5	016·3	015·8	015·6	015·5	015·1	014·4	013·6	016·9
19	013·3	012·6	012·1	011·6	011·4	011·0	011·1	011·3	011·7	011·8	012·0	012·1	012·4	012·7	012·9	012·9	012·7	012·6	012·7	013·0	013·3	013·5	013·9	013·9	012·4
20	014·0	013·8	013·8	013·6	013·7	013·9	014·1	014·3	014·5	014·6	014·6	014·5	014·6	014·4	014·3	014·0	013·8	013·6	013·2	013·1	013·1	013·0	012·7	012·5	013·9
21	012·1	011·6	011·1	010·4	010·2	010·0	009·6	009·3	009·3	009·3	009·3	009·4	009·5	009·5	009·6	009·7	009·9	009·8	010·0	010·3	010·6	010·9	010·9	010·6	010·2
22	010·4	009·9	009·4	009·5	009·4	009·7	009·7	010·0	010·2	010·2	010·5	010·6	010·6	010·7	010·7	010·5	010·6	010·7	010·7	011·1	011·3	011·5	011·7	011·7	010·4
23	011·5	011·4	011·4	011·3	011·6	011·8	012·0	012·1	012·5	012·7	013·0	013·5	013·5	013·7	013·8	013·6	013·7	013·6	013·5	013·5	013·6	013·6	013·3	013·2	012·8
24	013·2	012·8	012·7	012·6	012·6	013·0	013·3	014·1	014·4	014·7	015·1	015·3	015·5	015·6	015·9	016·0	015·9	015·9	015·8	016·0	016·2	016·2	015·9	015·5	014·7
25	015·5	014·7	014·4	013·5	013·1	013·0	012·4	012·3	012·1	011·9	011·4	011·3	011·1	011·0	010·7	010·1	009·7	009·3	008·8	008·5	008·2	007·8	007·0	006·3	011·2
26	005·3	004·4	003·5	002·7	002·2	001·5	000·8	000·1	999·3	998·7	998·2	997·8	997·5	997·2	996·8	996·4	996·0	995·7	995·1	994·8	994·5	994·4	994·0	993·6	998·6
27	993·6	993·7	993·4	993·4	993·3	993·5	993·9	994·4	994·7	995·1	995·5	996·0	996·8	997·4	998·2	998·7	999·1	999·7	000·4	000·7	001·6	002·1	002·3	002·3	996·9
28	002·4	002·3	002·1	002·1	002·0	001·8	001·8	001·9	002·0	002·0	002·2	002·1	002·0	001·7	001·3	001·3	000·9	000·4	000·0	999·9	000·1	999·8	999·6	999·2	001·4
29	999·4	999·4	999·5	999·5	999·6	999·9	001·0	001·5	002·1	002·5	003·1	003·5	003·7	003·9	003·7	003·9	003·9	003·7	003·5	003·4	003·0	003·4	002·1	001·8	002·1
30	001·7	001·4	001·1	000·9	000·9	000·9	001·0	000·8	000·7	001·1	001·4	001·8	001·9	002·5	003·1	003·5	003·8	004·4	005·0	005·3	005·8	006·3	006·5	006·6	002·7
31	006·5	006·4	006·4	006·4	006·5	006·7	006·9	007·0	007·3	007·3	007·8	008·1	008·6	008·7	008·9	009·0	009·2	009·5	009·9	010·2	010·5	010·7	010·8	011·0	008·3
Mean (Station level)	1008 ·99	1008 ·74	1008 ·55	1008 ·41	**1008 ·38**	1008 ·49	1008 ·64	1008 ·81	1008 ·95	1009 ·06	1009 ·19	1009 ·30	1009 ·38	1009 ·40	1009 ·40	1009 ·36	1009 ·34	1009 ·30	1009 ·32	1009 ·41	1009 ·63	**1009 ·75**	1009 ·65	1009 ·48	1009 ·11
Mean (Sea level)	1010 ·64	1010 ·39	1010 ·20	1010 ·06	**1010 ·03**	1010 ·14	1010 ·28	1010 ·45	1010 ·59	1010 ·69	1010 ·82	1010 ·93	1011 ·01	1011 ·03	1011 ·03	1010 ·99	1010 ·97	1010 ·93	1010 ·95	1011 ·05	1011 ·27	**1011 ·39**	1011 ·29	1011 ·12	1010 ·75

349. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **August, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	011·1	011·1	011·1	011·0	011·1	011·4	011·8	012·1	012·4	012·7	013·2	013·7	013·9	014·2	014·5	014·8	014·8	015·1	015·4	015·8	016·2	016·5	016·4	016·3	013·5
2	016·4	016·2	016·1	015·8	015·8	016·0	016·2	016·6	016·9	017·2	017·5	017·8	018·1	018·6	018·9	019·0	019·4	019·5	019·7	020·1	020·8	021·0	021·3	021·4	018·1
3	021·3	021·3	021·1	021·1	021·2	021·6	022·0	022·3	022·4	022·5	022·6	022·7	022·9	023·1	022·9	022·8	022·9	022·8	022·8	022·8	022·8	022·8	022·6	022·4	022·3
4	022·2	021·7	021·1	020·4	020·3	020·3	020·1	020·2	019·9	019·6	019·3	018·6	018·3	018·0	017·8	017·7	017·5	017·4	017·4	017·4	017·5	017·1	016·9	016·7	019·0
5	016·5	016·1	015·4	015·1	015·0	015·0	015·0	014·9	014·6	014·2	013·7	013·6	013·5	013·3	012·7	012·1	011·7	011·6	011·0	011·1	010·7	010·3	009·4	008·6	013·3
6	007·7	007·0	006·5	005·6	004·8	004·2	003·4	002·6	001·9	001·2	000·5	999·7	998·2	997·3	996·2	994·8	993·8	993·5	992·4	992·1	992·3	992·3	992·2	992·1	999·2
7	991·9	991·7	991·4	991·5	991·3	991·3	991·4	991·5	991·4	991·5	991·6	991·4	991·3	991·0	991·1	990·9	990·7	990·8	990·9	991·4	991·9	992·4	992·4	992·6	991·5
8	992·6	992·5	992·7	993·1	993·2	993·5	994·1	994·5	994·6	994·9	995·0	995·0	994·9	994·9	994·9	994·9	994·9	995·0	995·2	995·4	996·1	996·1	996·3	996·5	994·5
9	996·6	996·6	996·8	996·9	997·2	997·6	998·0	998·3	998·9	999·4	999·8	000·3	000·4	000·7	000·7	000·6	000·6	000·5	000·3	000·2	999·7	999·1	998·4	997·7	998·9
10	997·4	998·0	998·5	998·5	998·8	999·2	999·6	000·5	001·3	002·0	002·8	003·0	003·1	003·3	003·4	003·7	003·7	004·0	004·2	004·3	004·5	004·7	004·7	004·6	001·8
11	004·3	004·1	003·8	003·6	003·3	003·1	002·8	002·4	002·1	001·5	001·3	000·9	000·9	000·8	000·3	999·5	999·1	999·3	999·5	000·0	000·5	000·9	001·3	001·5	001·6
12	001·6	001·8	002·1	002·5	003·0	003·6	004·4	005·0	005·6	006·2	006·7	007·2	007·6	007·8	008·0	008·0	008·2	008·2	008·3	008·4	008·5	008·4	008·0	007·5	006·0
13	006·7	006·1	005·3	004·3	003·5	003·1	002·8	002·4	002·1	001·8	001·9	002·0	001·9	001·9	001·8	001·6	001·4	001·2	001·0	000·8	000·6	000·3	000·2	002·5
14	999·8	999·4	999·2	999·2	999·8	000·2	001·4	002·2	002·8	003·2	004·0	004·7	004·9	004·9	004·8	004·9	004·8	004·9	004·9	005·0	005·3	005·5	005·4	005·2	003·1
15	005·1	004·9	005·2	005·5	005·8	006·4	006·6	006·9	007·1	007·5	008·0	008·2	008·5	008·9	009·1	009·3	009·5	009·8	010·4	010·8	011·5	011·6	011·7	011·8	008·2
16	012·0	012·0	012·0	012·0	011·9	011·8	012·0	012·1	012·2	012·3	012·3	012·4	012·3	012·0	011·7	011·4	010·9	010·6	010·3	010·1	009·9	009·5	008·9	008·2	011·4
17	007·7	007·3	006·5	005·7	005·1	005·0	004·8	004·5	004·1	003·6	003·2	002·7	002·0	001·5	000·8	000·3	999·8	999·4	999·3	999·5	999·6	999·3	999·2	999·1	002·7
18	998·6	998·4	998·1	998·4	998·5	998·5	999·0	999·4	999·8	000·3	000·5	000·9	001·6	001·4	003·3	004·3	005·1	005·7	006·4	007·4	008·4	008·8	009·5	010·2	002·4
19	010·5	011·0	011·4	011·8	012·1	012·5	013·0	013·6	014·0	014·1	014·0	014·2	014·5	014·2	014·0	014·0	013·4	012·8	012·0	011·4	010·3	007·3	005·5	003·0	012·0
20	001·3	000·1	999·0	998·5	998·7	999·7	999·6	999·8	999·9	999·9	999·6	999·5	999·4	999·1	998·8	998·2	997·8	997·2	996·5	996·1	995·7	995·1	994·3	993·4	998·4
21	992·4	991·4	990·5	989·3	988·3	987·9	987·8	987·4	987·1	986·8	986·5	985·9	985·5	985·0	984·3	983·7	983·1	982·4	982·1	982·1	982·2	982·6	983·3	984·4	**986·1**
22	985·6	986·6	987·4	988·3	989·1	990·3	991·4	992·3	993·5	994·9	996·4	997·6	998·7	999·7	000·5	001·1	001·5	002·3	002·9	003·6	004·5	005·0	005·3	005·6	996·4
23	005·7	005·9	006·1	006·4	006·9	007·5	008·1	008·7	009·1	009·5	010·2	010·6	010·9	011·1	011·6	012·0	012·2	012·4	012·6	013·0	013·2	013·3	013·3	013·2	010·0
24	012·6	012·0	011·3	010·7	010·4	010·1	009·7	009·5	009·4	009·9	010·3	010·3	011·5	011·1	010·8	011·2	011·8	012·8	014·2	015·4	016·7	017·5	018·3	019·1	012·2
25	019·7	020·2	020·6	021·1	021·6	022·3	022·9	023·5	023·8	024·1	024·4	024·7	025·1	025·3	025·3	025·4	025·3	025·4	025·2	025·3	025·5	025·3	025·2	025·1	**023·7**
26	024·7	024·2	024·0	023·7	023·4	023·1	023·1	023·3	023·3	023·1	022·7	022·4	021·8	021·4	020·6	019·8	019·0	018·6	018·5	018·1	017·3	016·7	016·2	015·7	021·2
27	014·5	013·7	012·7	011·9	011·4	011·5	011·5	011·3	011·7	011·8	011·9	011·8	011·6	011·4	011·1	011·1	011·0	010·6	010·6	010·3	010·4	009·7	009·7	009·0	011·5
28	008·7	008·3	008·3	008·5	008·5	009·2	009·5	009·8	009·9	010·0	010·2	010·3	010·4	010·4	010·3	010·0	010·1	010·2	010·4	010·7	011·1	011·3	011·5	012·1	009·9
29	012·3	012·3	012·7	013·0	013·6	014·3	015·1	015·9	016·4	017·1	017·4	017·7	018·1	018·5	018·8	019·1	019·3	019·4	020·0	020·8	021·2	021·5	021·7	021·9	017·2
30	021·9	021·9	022·0	021·9	021·8	021·9	022·2	022·5	022·8	022·9	022·8	022·4	022·3	022·1	021·6	021·4	021·2	021·0	021·1	021·2	021·0	020·8	020·4	020·1	021·8
31	019·6	019·1	018·5	018·2	017·8	017·8	017·8	017·5	017·3	016·9	017·0	016·7	016·3	016·4	016·0	015·9	015·8	015·8	015·6	016·0	015·9	015·8	015·6	015·6	017·0
Mean (Station level)	1007 ·71	1007 ·51	1007 ·34	1007 ·21	**1007 ·20**	1007 ·42	1007 ·65	1007 ·85	1008 ·01	1008 ·15	1008 ·30	1008 ·35	1008 ·40	1008 ·36	1008 ·28	1008 ·18	1008 ·07	1008 ·07	1008 ·10	1008 ·28	**1008 ·45**	1008 ·35	1008 ·23	1008 ·09	1007 ·98
Mean (Sea level)	1009 ·35	1009 ·15	1008 ·97	1008 ·84	**1008 ·83**	1009 ·05	1009 ·29	1009 ·49	1009 ·65	1009 ·79	1009 ·93	1009 ·98	1010 ·03	1009 ·99	1009 ·91	1009 ·81	1009 ·70	1009 ·70	1009 ·74	1009 ·92	**1010 ·09**	1009 ·99	1009 ·87	1009 ·73	1009 ·62

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

350. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **September, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	015·8	015·8	015·9	016·0	016·2	016·6	016·9	017·1	017·5	017·9	018·1	018·4	018·6	018·8	018·9	018·9	019·3	019·5	020·0	020·3	020·6	020·6	020·7	020·9	018·2
2	020·7	020·6	020·3	020·3	020·4	020·6	020·9	021·1	021·2	021·3	021·2	021·2	021·2	021·1	020·9	020·9	020·8	020·9	021·0	021·3	021·3	021·3	021·0	020·8	**020·9**
3	020·5	020·1	020·1	019·9	019·6	019·6	019·7	019·6	019·4	019·5	019·6	019·5	019·0	019·0	018·4	018·3	018·3	018·2	018·2	018·3	018·4	018·3	018·0	017·7	019·1
4	017·2	017·0	016·5	016·3	015·9	015·7	015·8	015·8	015·7	015·6	015·2	015·0	014·2	014·1	013·7	013·4	013·2	012·9	012·8	012·8	013·0	012·5	012·2	011·8	014·6
5	011·7	011·6	011·5	011·3	011·3	011·2	011·4	011·4	011·3	011·3	011·2	011·3	011·1	011·0	010·8	010·6	010·3	010·2	010·4	010·6	010·6	010·7	010·6	010·4	011·0
6	010·3	010·2	010·1	010·0	010·0	010·1	010·4	010·7	011·0	011·5	011·9	012·1	012·5	012·7	013·1	013·4	013·5	013·9	014·3	014·8	015·2	015·6	015·7	015·9	012·3
7	016·0	015·9	015·9	016·1	016·4	016·8	017·2	017·2	017·5	017·6	017·3	017·3	017·0	016·9	016·5	016·1	015·9	015·4	015·3	015·0	014·5	014·3	013·9	013·9	016·1
8	013·2	012·4	011·8	010·9	010·4	010·6	010·7	010·8	010·7	010·2	009·4	009·1	008·1	007·4	007·5	007·9	008·8	009·6	010·5	011·2	011·5	011·6	011·8	010·3	
9	011·7	011·7	011·2	010·8	010·9	010·8	011·1	011·2	011·4	011·3	011·4	011·4	011·4	011·2	010·9	010·7	010·6	010·6	010·7	011·1	010·7	010·5	010·4	010·3	011·0
10	009·7	009·2	008·4	007·8	007·0	006·6	005·9	005·2	004·4	003·4	002·4	002·2	002·3	002·4	002·7	003·1	004·2	005·1	006·0	006·8	007·6	008·8	009·5	010·3	005·9
11	011·2	012·0	012·8	013·4	014·0	014·7	015·0	016·2	017·0	017·9	018·3	018·1	018·3	018·9	019·2	019·3	019·5	020·5	020·7	021·2	021·6	021·7	022·0	022·1	017·5
12	022·0	022·1	022·0	021·8	022·1	022·2	022·2	022·4	022·5	022·5	022·4	022·3	022·2	021·8	021·3	020·5	020·1	019·4	018·7	018·1	017·4	017·3	017·4	017·1	**020·9**
13	016·7	016·3	016·1	015·9	015·9	015·7	016·0	016·1	016·3	016·3	016·1	016·0	015·9	015·8	015·4	015·0	014·8	014·4	014·3	014·2	013·5	013·0	012·5	011·9	015·3
14	011·2	010·5	009·6	008·2	007·3	006·9	006·2	005·8	005·5	005·3	005·1	004·8	004·3	003·9	003·6	003·8	004·2	004·9	005·5	006·7	007·2	007·9	008·2	008·5	006·5
15	009·0	009·5	009·6	010·1	010·4	010·8	011·6	012·0	012·4	012·3	012·0	012·1	012·2	012·3	011·8	011·7	010·1	011·4	011·9	012·1	012·5	012·4	011·9	011·8	011·3
16	011·7	011·3	010·4	009·8	009·1	008·5	008·5	008·3	007·7	007·1	006·8	006·3	005·4	004·9	004·1	003·3	002·7	001·9	001·3	000·8	000·2	000·4	000·7	001·5	005·7
17	002·4	003·2	003·5	004·1	004·8	005·5	006·4	007·0	007·5	007·9	008·4	008·2	008·3	008·4	008·0	007·9	007·5	007·7	007·3	006·9	006·7	006·3	005·5	005·0	006·4
18	004·6	004·6	003·5	003·3	002·6	002·4	002·5	003·1	003·3	003·4	003·7	003·8	003·1	002·8	002·9	002·3	002·5	002·5	002·8	002·9	002·9	003·2	003·4	004·4	003·2
19	004·6	004·5	004·4	004·7	005·0	004·9	005·2	005·3	005·4	005·5	005·5	005·7	005·7	005·7	005·9	006·2	006·4	006·8	007·1	007·5	007·7	008·2	007·9	008·2	005·9
20	008·5	008·1	007·4	007·4	007·0	006·3	006·0	005·6	004·9	003·9	003·5	003·1	002·5	002·1	001·4	001·0	000·5	000·1	999·8	999·6	999·0	998·7	998·4	997·8	003·2
21	997·4	997·1	996·7	996·8	996·3	996·5	996·0	996·5	997·0	996·7	996·5	997·1	996·9	996·9	996·6	996·1	995·4	995·4	996·4	996·7	996·8	997·0	997·0	997·0	996·6
22	996·7	996·1	995·5	994·9	994·8	994·7	994·8	995·0	995·2	995·3	995·6	995·9	996·3	996·6	997·3	997·4	997·8	998·6	998·8	999·1	999·0	998·8	998·7	998·2	996·7
23	997·4	996·5	995·1	994·0	993·4	992·8	992·3	991·8	991·8	991·4	991·4	991·1	990·7	990·6	990·5	990·4	990·3	990·2	990·2	990·4	990·5	990·5	990·2	990·1	992·0
24	989·8	989·3	988·9	988·7	988·8	988·6	988·9	989·1	989·6	989·7	989·9	990·1	990·4	990·4	990·5	990·5	990·5	991·0	991·1	991·3	991·7	991·4	991·2	991·2	**990·1**
25	991·4	991·4	991·7	992·5	993·2	994·4	995·4	996·5	997·1	997·9	998·9	999·4	000·2	000·8	001·3	001·6	001·9	002·3	002·7	003·1	003·6	004·2	004·5	004·5	998·5
26	004·6	004·4	004·4	004·4	004·3	004·3	004·1	004·3	004·4	004·6	004·9	005·4	005·4	006·1	006·2	006·4	006·5	007·0	007·8	008·5	009·5	010·3	010·9	011·6	012·3	006·4
27	012·8	013·2	013·4	014·1	014·6	015·3	016·2	016·9	017·9	018·5	018·8	019·3	019·7	019·6	019·6	019·8	019·9	020·1	020·3	020·5	020·9	020·8	020·4	019·6	019·2	017·9
28	018·9	018·8	017·5	017·0	016·4	015·8	015·6	015·3	014·7	014·3	014·1	013·6	012·5	011·5	010·8	009·9	009·1	007·8	007·2	006·1	004·8	005·4	004·4	003·5	012·2
29	003·0	003·1	002·6	002·5	002·8	003·0	003·6	004·3	004·8	005·6	006·3	007·0	007·6	008·2	008·6	009·1	009·8	010·6	011·1	011·7	012·2	012·5	012·9	013·1	007·1
30	013·5	013·7	013·5	013·5	013·7	014·0	014·4	014·6	014·5	014·4	014·2	013·9	013·9	013·5	013·1	012·8	012·7	012·3	012·0	011·8	011·3	010·6	009·4	008·2	013·0
Mean ... (Station level)	1009 ·14	1009 ·01	1008 ·68	1008 ·55	**1008 ·49**	1008 ·52	1008 ·70	1008 ·87	1009 ·00	1009 ·03	1009 ·05	1009 ·03	1008 ·95	1008 ·87	1008 ·73	1008 ·60	1008 ·56	1008 ·71	1008 ·87	1009 ·07	1009 ·09	**1009 ·16**	1009 ·03	1008 ·98	1008 ·87
Mean ... (Sea level) ...	1010 ·80	1010 ·67	1010 ·34	1010 ·21	**1010 ·15**	1010 ·18	1010 ·36	1010 ·53	1010 ·65	1010 ·67	1010 ·69	1010 ·67	1010 ·59	1010 ·51	1010 ·37	1010 ·24	1010 ·20	1010 ·36	1010 ·52	1010 ·72	1010 ·74	**1010 ·82**	1010 ·69	1010 ·64	1010 ·52

351. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **October, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	006·6	004·3	002·4	000·8	999·7	999·2	998·7	997·5	997·1	997·3	998·2	999·1	000·6	001·9	002·7	003·6	004·8	005·4	005·5	005·3	004·2	003·7	002·7	002·3	001·9
2	001·5	000·2	999·4	998·7	998·0	997·3	997·1	999·4	002·3	004·7	007·0	008·5	010·0	011·3	012·5	013·8	014·9	016·1	017·3	018·5	019·0	019·7	020·4	020·8	008·3
3	021·2	021·5	021·7	021·8	022·0	022·1	022·7	023·1	023·7	023·9	023·4	023·2	023·1	022·4	021·8	021·6	021·4	021·2	021·4	021·4	021·3	020·7	020·5	020·2	022·0
4	020·2	020·0	019·3	019·4	019·4	019·7	020·2	020·6	021·1	021·6	021·5	021·5	021·8	021·8	021·8	021·9	021·9	022·4	022·6	023·1	023·6	023·8	024·2	024·3	021·5
5	024·3	024·4	024·4	024·6	024·7	025·1	025·7	026·3	026·9	027·0	026·9	027·1	027·1	026·8	026·7	026·9	027·0	027·2	027·5	027·9	028·4	028·6	028·8	028·8	026·5
6	028·6	028·6	028·5	028·2	028·1	028·1	028·2	028·2	028·4	028·5	028·5	028·3	028·0	027·7	027·6	027·4	027·5	027·5	027·6	027·8	027·9	027·8	027·6	027·4	028·0
7	027·2	027·0	026·6	026·4	026·2	026·2	026·4	026·5	026·7	026·7	026·7	026·6	026·2	025·8	025·4	025·3	025·2	025·2	024·8	024·9	024·7	024·5	024·3	023·9	025·9
8	023·9	023·8	023·4	023·2	023·0	023·1	023·2	023·2	023·3	023·3	023·0	022·9	022·4	022·1	022·1	021·9	021·9	022·1	022·1	022·2	022·3	022·5	022·2	021·9	022·7
9	021·8	022·0	021·9	021·9	022·0	022·0	022·2	022·6	023·0	023·1	023·2	023·0	022·8	022·9	022·8	022·8	022·8	022·9	023·1	023·8	023·9	024·0	024·1	023·8	022·9
10	023·6	023·2	022·9	022·8	022·5	022·6	022·6	022·7	023·0	023·1	022·5	022·1	021·8	021·4	021·7	021·6	021·7	022·0	022·1	022·1	022·1	022·2	022·2	022·1	022·4
11	022·1	022·0	021·8	021·9	022·0	022·5	023·0	023·6	023·9	024·3	024·4	024·6	024·5	024·9	025·1	025·4	025·7	026·0	026·5	027·1	027·5	027·7	027·9	028·2	024·6
12	028·5	028·5	028·3	028·5	028·6	028·9	029·0	029·2	029·6	029·7	029·6	029·7	029·7	029·5	029·3	029·1	028·8	028·9	028·8	028·6	028·6	028·5	028·2	027·8	**028·9**
13	027·5	027·2	026·7	026·0	025·7	025·6	025·4	025·3	025·1	025·0	024·8	024·3	023·3	022·8	022·3	021·8	021·6	021·4	021·1	021·0	020·5	020·5	020·2	019·6	023·7
14	019·1	018·7	017·9	017·7	017·4	017·2	017·2	017·5	018·0	017·8	018·0	018·0	017·7	017·4	017·5	017·4	017·8	018·2	018·7	019·2	019·3	019·5	019·3	019·2	018·2
15	019·4	019·5	019·2	019·4	019·2	019·6	019·6	020·3	020·7	020·7	021·0	021·0	020·8	020·7	020·7	020·6	021·0	021·3	021·7	021·7	021·9	021·4	021·3	020·9	020·5
16	020·9	020·5	020·3	019·9	019·5	019·5	019·7	019·7	019·8	019·6	019·6	019·5	019·2	018·9	018·7	018·6	018·6	018·6	018·6	018·7	018·6	018·6	018·6	018·2	019·3
17	017·8	017·6	017·2	016·8	016·7	016·7	016·8	016·9	017·2	017·2	017·3	017·4	017·0	016·9	016·8	016·8	016·9	017·1	017·3	017·4	017·5	017·4	017·3	017·0	017·1
18	016·8	016·6	016·0	015·7	015·5	015·4	015·3	015·2	015·4	014·8	014·5	014·2	013·5	013·2	012·6	012·4	012·1	011·9	011·8	011·4	011·1	011·0	010·6	010·2	013·8
19	010·2	009·9	009·4	009·1	009·0	008·9	008·8	009·2	009·6	009·9	010·4	010·6	010·7	010·9	011·5	011·5	012·2	012·7	013·2	013·6	014·3	014·7	014·7	014·9	011·1
20	015·2	015·4	015·4	015·4	015·5	015·7	016·0	016·3	016·7	016·8	017·0	016·7	016·5	016·1	015·7	015·3	014·9	014·2	014·0	013·7	013·8	013·6	013·2	012·6	015·3
21	012·3	011·4	011·0	010·0	009·6	009·1	008·8	008·6	008·3	007·5	006·9	006·1	004·4	002·7	001·4	000·8	000·4	000·8	001·3	000·9	000·7	000·2	999·5	998·7	005·3
22	997·9	996·9	995·8	994·4	993·5	992·6	991·9	991·5	991·8	992·2	992·7	993·2	993·6	994·2	994·3	994·4	994·5	995·0	995·1	996·0	997·3	998·3	999·1	000·0	994·8
23	000·8	001·5	002·2	002·6	003·3	003·7	004·3	004·7	005·1	005·6	005·8	005·8	005·6	005·3	005·6	005·7	005·8	006·2	006·8	006·8	007·1	007·3	007·6	007·7	005·0
24	007·7	007·3	007·2	006·7	006·7	005·9	005·7	005·8	005·8	006·0	005·4	004·8	004·4	004·0	003·4	003·0	002·9	002·9	003·0	002·8	002·8	003·1	003·0	002·9	004·8
25	003·0	002·6	002·1	001·5	001·5	001·4	001·3	001·7	002·2	002·1	002·4	002·3	001·8	001·1	999·8	999·3	998·7	998·9	999·5	999·9	000·4	001·1	001·8	001·9	001·2
26	001·3	001·7	001·1	000·1	999·8	999·4	999·3	999·0	998·7	999·1	000·3	000·8	001·2	001·6	001·4	001·2	000·9	000·5	998·7	997·0	995·6	994·1	991·9	990·8	999·2
27	992·0	994·5	997·0	998·1	999·4	000·1	000·9	001·6	002·3	003·0	003·6	003·5	003·4	003·6	003·8	004·2	004·6	005·2	005·9	006·0	005·7	005·3	004·9	002·0	
28	003·5	002·3	999·8	997·5	995·0	992·8	991·6	990·5	988·5	986·8	984·5	981·4	978·7	974·4	972·3	973·9	978·1	987·6	993·3	997·6	000·4	003·3	005·1	006·3	**991·0**
29	007·4	008·2	008·9	009·1	009·2	009·1	008·8	008·8	008·4	007·9	007·8	007·6	006·9	006·5	005·5	004·9	004·1	004·1	003·9	003·4	002·6	002·0	001·3	000·7	006·2
30	999·5	998·4	998·0	997·5	996·8	996·1	995·2	995·4	995·5	994·1	994·5	994·7	994·5	994·4	994·8	996·6	997·1	997·9	998·7	999·3	000·3	001·2	002·1	003·0	997·3
31	004·0	005·1	005·7	006·7	007·3	008·7	009·7	011·0	011·9	012·5	013·4	013·7	013·9	014·1	014·3	014·3	014·5	014·4	014·6	014·2	013·8	013·4	012·6	011·9	011·3
Mean (Station level)	1013 ·74	1013 ·57	1013 ·27	1012 ·98	1012 ·80	1012 ·72	1012 ·75	1012 ·96	1013 ·23	1013 ·28	1013 ·37	1013 ·30	1013 ·07	1012 ·82	**1012 ·64**	1012 ·71	1012 ·91	1013 ·41	1013 ·76	1013 ·98	1014 ·11	**1014 ·20**	1014 ·11	1013 ·96	1013 ·32
Mean (Sea level)	1015 ·41	1015 ·24	1014 ·94	1014 ·65	1014 ·47	1014 ·39	1014 ·42	1014 ·63	1014 ·90	1014 ·94	1015 ·03	1014 ·95	1014 ·72	1014 ·47	**1014 ·29**	1014 ·37	1014 ·57	1015 ·08	1015 ·43	1015 ·65	1015 ·78	**1015 ·87**	1015 ·78	1015 ·63	1014 ·99

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

352. Cahirciveen (Valentia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **November, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	011·3	010·4	009·6	008·4	007·2	006·5	005·8	005·7	005·7	005·7	006·1	005·9	005·9	006·3	006·7	007·2	007·6	008·2	008·6	008·7	008·8	009·0	009·4	009·8	007·7
2	010·2	010·6	011·1	012·0	013·1	013·6	014·3	015·1	016·0	016·3	016·7	016·8	016·4	015·5	015·1	015·1	015·0	014·9	014·8	014·3	014·3	014·4	013·9	013·2	014·2
3	012·6	012·1	011·9	011·7	012·0	012·6	013·2	013·9	014·5	015·2	015·5	015·4	015·1	015·3	015·5	016·0	016·3	016·8	017·3	017·6	018·0	018·1	018·0	017·8	015·0
4	017·4	016·9	016·7	016·8	016·9	017·0	017·4	018·0	018·7	019·5	021·1	021·7	022·2	022·3	022·3	023·2	023·4	023·8	025·0	025·6	026·0	026·1	026·0	025·7	021·1
5	024·5	023·6	022·6	021·5	021·1	020·3	019·5	018·3	017·1	015·9	014·7	013·2	012·2	011·1	009·9	008·8	007·6	006·6	005·6	004·6	003·2	002·2	001·2	000·2	013·3
6	998·9	998·0	996·5	995·0	993·4	991·7	991·7	992·2	993·2	993·5	994·3	994·4	994·8	995·3	995·8	996·0	996·2	996·4	996·9	997·2	997·3	997·7	997·6	997·3	995·5
7	997·4	996·2	995·3	994·2	993·5	993·1	993·0	994·5	995·3	996·1	996·0	996·0	996·2	996·7	996·9	997·4	997·8	998·3	999·3	999·8	000·4	001·2	002·0	003·0	996·9
8	003·3	003·7	004·2	004·2	004·5	004·7	004·6	004·8	005·1	005·2	005·6	005·4	005·1	004·9	004·9	005·1	005·6	006·0	006·0	006·4	006·8	007·0	007·2	007·2	005·2
9	007·8	007·6	008·3	008·2	009·0	009·3	009·6	009·9	010·0	010·0	009·8	009·3	008·8	008·4	008·2	008·0	007·7	007·8	007·5	007·5	007·5	007·2	007·3	007·4	008·4
10	007·7	007·9	008·1	008·4	009·0	010·1	010·7	011·3	011·9	012·3	013·3	012·8	012·7	013·0	013·1	013·3	013·6	013·9	014·4	014·9	015·3	015·3	015·2	015·2	012·1
11	015·0	015·1	014·9	014·7	014·6	014·8	014·9	015·2	015·2	015·6	015·8	015·6	015·4	015·4	015·3	015·4	015·7	016·1	016·4	016·6	016·7	017·1	017·2	017·3	015·6
12	017·6	017·5	017·5	017·5	018·0	018·8	019·9	021·2	022·1	023·2	024·4	024·8	025·2	025·3	025·8	026·2	027·0	027·6	028·0	028·5	028·9	029·1	029·1	029·3	023·6
13	029·4	029·5	029·4	029·3	029·0	029·4	029·4	029·5	029·6	029·6	029·5	029·2	028·7	028·3	028·1	028·0	027·9	028·2	028·1	028·1	028·2	028·3	028·3	028·2	028·8
14	028·1	027·9	027·6	027·5	027·4	027·3	027·2	027·2	027·3	027·2	027·1	026·4	026·2	025·6	025·0	024·9	024·7	024·7	024·4	024·1	023·8	023·3	023·2	022·7	026·0
15	021·9	021·5	020·9	020·4	019·8	019·4	019·0	018·8	018·5	018·5	018·0	017·8	017·2	016·7	016·3	016·3	016·3	016·4	016·5	016·4	016·4	016·2	016·0	015·7	018·1
16	015·3	015·1	014·7	014·5	014·4	014·2	014·1	014·1	014·1	014·1	014·0	013·5	013·2	012·6	012·3	012·2	012·0	012·0	011·7	011·1	010·7	009·8	008·7	007·8	012·9
17	006·7	005·6	004·4	003·0	001·4	999·3	997·4	996·1	997·3	997·7	998·3	998·3	997·9	997·2	996·3	995·4	994·5	993·5	992·4	990·9	989·7	989·8	988·4	988·0	997·1
18	989·4	990·3	991·1	992·2	992·9	993·4	994·1	994·7	995·4	995·7	996·0	996·1	996·0	995·9	995·9	995·9	996·3	996·3	996·9	997·0	997·3	997·5	997·8	998·0	**994·9**
19	998·2	998·2	998·4	998·3	998·3	998·6	998·7	999·1	999·5	999·6	999·5	999·2	998·8	998·6	998·4	998·3	998·1	998·2	998·3	998·0	997·7	997·3	997·0	996·6	998·4
20	996·0	995·2	995·0	994·7	994·5	994·4	994·3	994·7	995·1	995·2	995·5	995·7	995·8	995·9	996·2	996·6	997·3	997·9	998·5	999·1	999·3	999·6	999·7	999·8	996·4
21	999·7	999·7	999·8	999·9	000·0	000·2	000·7	001·3	001·5	001·7	003·0	003·7	004·1	004·3	004·5	005·5	006·0	006·5	007·1	007·8	008·3	008·6	008·5	009·3	003·6
22	009·5	009·6	010·1	009·9	010·5	010·8	010·9	011·1	011·8	012·0	012·1	011·8	011·5	011·8	011·6	011·6	011·6	011·5	011·5	011·4	011·1	010·9	010·4	010·0	011·0
23	009·4	008·6	008·0	007·2	007·1	006·6	005·7	005·6	005·4	004·5	004·3	003·2	002·4	001·3	000·4	000·3	000·4	000·3	001·2	002·3	003·2	004·3	005·1	006·2	004·4
24	006·7	007·4	008·3	009·1	009·5	010·1	010·6	011·4	012·7	013·1	013·5	014·0	014·0	014·4	015·0	015·6	015·9	016·8	017·3	018·2	019·1	019·9	020·5	021·0	013·6
25	021·6	022·2	022·6	023·1	023·6	024·0	024·5	024·6	025·2	025·3	025·5	025·3	025·2	025·3	024·9	024·8	024·8	024·8	024·7	024·7	024·8	024·4	024·1	023·4	024·3
26	023·0	022·5	022·3	021·8	021·5	021·3	021·2	021·2	021·3	021·1	021·1	020·5	019·7	019·0	018·5	018·3	017·8	017·8	017·9	017·8	018·7	019·1	019·1	019·2	020·2
27	019·8	019·9	019·9	020·0	020·5	021·3	021·9	022·6	023·4	024·1	024·4	024·4	024·8	025·2	025·3	025·6	025·4	025·7	025·8	026·2	025·8	025·3	024·7	024·4	023·5
28	023·8	022·6	021·9	021·6	021·0	020·3	019·5	019·4	019·4	019·0	018·7	017·7	017·1	016·7	017·7	018·4	019·1	019·8	020·8	021·8	023·1	024·1	025·4	026·5	020·6
29	027·2	027·8	028·5	029·3	029·8	030·3	031·1	031·6	032·4	032·9	033·3	033·5	033·2	033·3	033·1	033·3	033·2	033·5	033·7	033·6	033·7	033·7	033·5	033·2	**031·9**
30	032·7	032·2	031·6	031·1	030·4	030·2	029·5	029·2	028·7	028·1	028·0	026·8	025·9	025·2	024·8	024·2	023·6	023·3	022·5	022·1	021·9	021·9	021·4	021·2	026·8
Mean (Station level)	1012 ·74	1012 ·51	1012 ·37	1012 ·18	1012 ·13	**1012 ·12**	1012 ·15	1012 ·41	1012 ·78	1012 ·93	1013 ·17	1012 ·95	1012 ·72	1012 ·56	1012 ·48	1012 ·56	1012 ·61	1012 ·80	1012 ·97	1013 ·08	1013 ·20	**1013 ·28**	1013 ·20	1013 ·15	1012 ·70
Mean (Sea level)	1014 ·43	1014 ·20	1014 ·05	1013 ·86	1013 ·81	**1013 ·80**	1013 ·83	1014 ·09	1014 ·47	1014 ·61	1014 ·85	1014 ·63	1014 ·42	1014 ·24	1014 ·15	1014 ·24	1014 ·29	1014 ·48	1014 ·66	1014 ·77	1014 ·89	**1015 ·07**	1014 ·89	1014 ·84	1014 ·39

Station Level

353. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **December, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	021·1	020·9	020·7	020·5	020·3	020·4	020·4	020·5	020·7	020·7	020·9	020·7	020·1	019·6	018·9	019·0	018·9	018·6	018·4	017·9	017·8	017·1	016·9	016·7	019·6
2	015·8	015·3	015·1	015·2	015·2	015·4	015·7	016·1	016·5	017·0	017·5	017·4	016·7	016·5	016·6	016·6	016·9	017·4	017·5	017·5	017·3	017·1	017·0	017·1	016·5
3	016·4	015·2	014·8	013·7	012·8	012·3	010·8	009·7	009·0	008·2	007·7	005·2	003·3	002·5	001·1	000·1	999·3	999·0	998·8	998·5	998·0	998·1	998·2	998·1	005·8
4	998·0	998·1	998·1	998·0	998·2	998·2	998·6	999·1	999·7	000·1	000·5	000·5	000·4	999·8	999·7	999·6	999·7	999·6	999·6	999·5	998·8	997·7	997·4	997·0	999·0
5	995·9	994·1	992·8	992·0	990·6	989·0	987·8	986·3	985·1	984·5	983·2	981·9	980·4	978·4	976·9	975·9	974·8	976·0	975·6	975·8	976·0	976·2	976·8	977·6	983·1
6	978·3	979·1	980·9	983·0	984·2	985·9	987·1	987·7	989·6	991·3	992·3	992·8	993·3	994·1	994·9	995·9	996·9	997·8	998·6	999·6	000·5	001·3	001·9	002·5	991·5
7	003·1	003·5	004·3	005·1	005·5	006·3	006·9	007·7	008·7	009·0	009·6	009·8	009·6	009·9	009·9	010·2	010·7	010·9	010·7	010·6	010·5	010·2	009·4	009·3	008·3
8	009·2	008·7	007·9	006·7	006·0	005·3	004·6	003·3	003·0	002·7	001·9	001·1	000·1	000·1	999·3	998·9	999·0	999·9	000·2	000·7	000·7	001·2	001·4	001·4	002·8
9	001·2	001·0	000·8	000·3	999·7	998·8	998·0	997·6	997·1	997·1	997·0	997·2	997·2	997·1	997·1	997·2	997·6	997·7	997·7	997·9	998·1	998·0	998·2	998·1	998·3
10	998·1	998·1	998·5	998·4	998·9	998·6	998·5	998·7	998·9	999·8	000·5	000·7	000·2	000·3	000·3	000·6	001·5	001·3	001·8	002·1	002·9	003·0	003·1	003·2	000·2
11	002·9	003·5	004·2	004·1	004·4	004·1	004·1	003·8	004·2	004·7	004·8	004·5	003·8	003·5	003·2	002·9	002·8	002·4	001·9	001·9	002·1	001·9	000·8	000·9	003·3
12	001·3	000·7	999·7	999·2	999·8	000·3	000·7	001·1	002·2	002·8	003·7	003·7	003·9	004·6	004·8	005·7	005·4	006·4	006·7	007·1	007·4	008·0	008·2	008·2	003·7
13	008·3	007·9	007·9	007·6	007·1	006·9	006·7	006·3	006·0	006·1	005·7	004·9	004·5	003·9	003·0	002·0	001·2	000·6	000·5	999·8	998·4	997·0	995·8	994·6	003·7
14	993·3	993·0	991·9	991·4	993·1	993·8	994·5	996·0	997·3	998·1	998·7	998·9	998·8	998·0	998·4	000·0	000·7	001·1	001·6	002·1	002·7	003·0	003·7	004·1	997·9
15	004·5	004·7	005·3	005·5	006·2	006·3	007·4	007·9	008·5	008·9	009·6	009·5	009·1	009·4	009·5	009·2	009·3	009·6	009·9	010·5	010·7	010·4	011·3	011·1	008·4
16	010·3	011·3	011·0	010·3	010·3	011·0	010·9	011·7	012·4	012·5	013·0	012·8	012·9	013·1	013·2	013·9	014·4	014·6	014·4	015·7	016·3	016·9	017·8	018·3	013·1
17	018·8	019·1	019·3	019·7	020·1	020·2	020·8	020·9	021·7	021·7	022·4	021·9	021·6	021·4	021·5	022·1	022·5	022·3	022·2	021·8	021·8	021·2	021·4	021·1	
18	020·5	020·3	019·9	019·7	019·5	019·0	018·8	018·8	019·6	019·2	019·5	019·2	018·6	018·0	017·4	017·6	017·3	017·4	017·0	017·0	016·6	016·1	015·3	014·7	018·3
19	013·8	013·4	012·9	012·1	012·1	011·5	011·4	011·3	010·8	010·5	010·1	009·6	008·8	007·7	007·1	006·7	006·4	005·9	005·5	004·8	004·8	003·8	003·3	002·1	008·9
20	001·3	000·5	999·7	998·6	997·8	996·6	996·0	995·8	995·4	995·1	994·4	993·8	992·7	991·6	990·7	990·4	989·3	988·4	988·2	988·3	988·3	988·2	988·0	987·6	993·5
21	987·8	987·8	988·0	988·1	988·3	988·5	988·7	989·0	989·6	989·9	989·7	989·2	988·7	987·9	986·7	985·6	984·0	982·1	980·1	977·0	974·7	971·7	969·0	966·6	984·5
22	964·7	963·3	962·6	962·2	962·4	962·1	961·6	961·4	961·5	961·4	961·0	960·5	960·6	960·4	960·7	961·2	961·8	962·2	963·0	964·0	965·2	966·4	967·7	968·8	**962·7**
23	969·9	971·1	972·7	974·3	975·2	976·1	976·8	977·5	977·7	978·0	979·4	980·3	980·7	981·2	981·2	981·4	982·5	982·9	983·2	983·7	984·1	984·8	985·2	985·8	979·1
24	986·2	986·7	987·4	988·0	988·3	988·8	989·2	989·9	990·5	991·0	991·4	991·4	991·3	991·0	991·0	991·4	991·5	991·6	991·6	992·1	991·9	991·8	991·7	991·6	990·2
25	991·8	991·8	992·0	992·2	992·7	992·8	993·4	994·1	994·6	995·5	996·3	996·9	996·9	997·1	997·9	998·3	999·3	000·1	001·0	001·9	002·8	003·7	004·7	005·2	996·9
26	006·1	007·2	008·3	009·6	010·0	010·9	011·9	012·9	014·0	014·7	015·8	016·3	016·3	016·7	017·6	018·4	019·4	020·7	021·5	022·1	022·7	023·2	023·7	024·2	015·6
27	024·8	025·4	026·1	026·1	026·6	027·1	028·1	028·9	029·7	030·2	030·9	031·1	031·0	030·8	031·2	031·7	032·0	032·3	032·1	033·0	033·0	033·1	033·2	033·3	029·9
28	033·1	032·6	032·7	032·9	032·9	033·2	033·0	033·1	033·2	033·2	032·8	032·0	031·3	030·6	030·2	030·0	029·9	029·8	029·9	029·4	029·4	029·1	028·7	027·5	**031·4**
29	027·2	027·0	026·9	026·3	025·8	025·3	025·0	024·7	024·9	024·6	023·9	023·1	022·4	021·7	021·5	021·5	021·4	021·3	021·1	020·8	020·4	020·3	019·8	019·8	023·4
30	019·4	019·2	019·5	019·2	018·7	018·3	018·3	018·6	018·4	017·8	018·2	017·5	016·9	015·9	015·1	014·6	014·2	013·1	012·3	011·8	011·7	010·4	010·7	011·2	016·1
31	011·4	012·5	013·4	013·9	014·1	014·9	015·0	015·9	016·8	017·6	018·2	018·4	018·5	018·9	019·6	020·4	020·8	021·2	021·5	022·0	022·3	022·5	022·1	021·6	017·8
Mean (Station level)	1004 ·34	**1004 ·29**	1004 ·36	1004 ·32	1004 ·41	1004 ·45	1004 ·54	1004 ·72	1005 ·07	1005 ·29	**1005 ·50**	1005 ·25	1004 ·86	1004 ·57	1004 ·39	1004 ·46	1004 ·55	1004 ·66	1004 ·65	1004 ·75	1004 ·77	1004 ·65	1004 ·59	1004 ·50	1004 ·66
Mean (Sea level)	1006 ·02	**1005 ·97**	1006 ·04	1006 ·00	1006 ·09	1006 ·13	1006 ·22	1006 ·40	1006 ·75	1006 ·97	**1007 ·18**	1006 ·93	1006 ·54	1006 ·25	1006 ·07	1006 ·14	1006 ·23	1006 ·34	1006 ·33	1006 ·43	1006 ·45	1006 ·33	1006 ·27	1006 ·18	1006 ·34

Station Level

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

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

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

354. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Station Level	010·28	010·10	009·92	009·74	**009·68**	009·71	009·80	009·96	010·15	010·27	010·39	010·36	010·26	010·15	010·07	010·07	010·09	010·21	010·32	010·46	010·57	**010·60**	010·53	010·41	010·17
Sea Level	011·95	011·77	011·59	011·41	**011·35**	011·38	011·47	011·63	011·81	011·93	012·05	012·02	011·92	011·81	011·73	011·73	011·75	011·87	011·98	012·12	012·24	**012·27**	012·20	012·08	011·83

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

355. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1007·77	+0·02	−0·28	−0·36	−0·66	−0·94	−1·13	**−1·29**	−1·11	−0·69	−0·29	+0·07	+0·10	+0·05	−0·02	+0·11	+0·39	+0·58	+0·78	+0·83	**+0·99**	+0·95	+0·89	+0·63	+0·37
Feb.	1011·36	**+0·36**	+0·23	+0·08	−0·16	−0·21	−0·24	−0·22	−0·06	+0·08	+0·16	+0·23	+0·22	0·00	−0·26	−0·45	**−0·45**	−0·41	−0·20	−0·03	+0·15	+0·23	+0·29	+0·31	+0·34
Mar.	1002·13	+0·21	+0·13	−0·13	−0·36	−0·37	−0·34	**−0·38**	−0·23	−0·05	+0·09	+0·12	+0·10	−0·01	−0·10	−0·09	−0·10	−0·09	0·00	+0·14	+0·26	+0·28	+0·29	**+0·35**	+0·29
Apr.	1015·35	+0·18	−0·02	−0·21	−0·35	**−0·44**	−0·39	−0·15	+0·10	−0·02	+0·02	+0·15	+0·13	+0·10	+0·05	−0·06	−0·11	−0·15	−0·09	−0·05	+0·17	+0·32	**+0·34**	**+0·34**	+0·25
May	1016·31	+0·11	−0·10	−0·26	**−0·37**	−0·36	−0·23	−0·07	+0·02	+0·08	+0·08	+0·11	+0·09	+0·06	+0·03	−0·10	−0·19	−0·22	−0·19	−0·11	+0·07	+0·35	**+0·45**	+0·44	+0·31
June	1012·90	+0·03	−0·17	−0·37	**−0·53**	**−0·53**	−0·41	−0·29	−0·19	−0·09	−0·06	+0·01	+0·12	+0·14	+0·16	+0·14	+0·10	+0·05	+0·08	+0·15	+0·16	+0·35	**+0·49**	+0·42	+0·22
July	1009·11	+0·04	−0·23	−0·43	−0·59	**−0·63**	−0·53	−0·40	−0·24	−0·11	−0·02	+0·09	+0·19	+0·25	+0·25	+0·24	+0·19	+0·15	+0·10	+0·10	+0·17	+0·38	**+0·48**	+0·38	+0·19
Aug.	1007·98	−0·20	−0·41	−0·59	−0·72	**−0·74**	−0·53	−0·30	−0·10	+0·05	+0·18	+0·33	+0·37	+0·41	+0·37	+0·28	+0·17	+0·07	+0·06	+0·08	+0·26	**+0·42**	+0·31	+0·19	+0·04
Sept.	1008·87	+0·16	+0·04	−0·28	−0·40	**−0·45**	−0·41	−0·22	−0·03	+0·09	+0·14	+0·17	+0·17	+0·09	+0·03	−0·11	−0·23	−0·25	−0·09	+0·07	+0·28	+0·31	**+0·39**	+0·37	+0·23
Oct.	1013·32	+0·47	+0·31	0·00	−0·29	−0·48	−0·57	−0·54	−0·33	−0·07	−0·02	+0·05	−0·02	−0·25	−0·51	**−0·69**	−0·63	−0·43	+0·07	+0·41	+0·62	+0·75	**+0·83**	+0·74	+0·59
Nov.	1012·70	+0·18	−0·06	−0·21	−0·42	−0·48	**−0·51**	−0·49	−0·24	+0·11	+0·25	**+0·48**	+0·24	+0·01	−0·17	−0·26	−0·19	−0·16	+0·01	+0·17	+0·27	+0·38	+0·45	+0·35	+0·29
Dec.	1004·66	−0·31	**−0·36**	−0·29	−0·34	−0·24	−0·21	−0·12	+0·06	+0·41	+0·63	**+0·84**	+0·59	+0·20	−0·09	−0·27	−0·20	−0·12	−0·01	−0·02	+0·08	+0·10	−0·03	−0·09	−0·17
Year	1010·17	+0·11	−0·07	−0·25	−0·43	**−0·49**	−0·46	−0·37	−0·21	−0·02	+0·10	+0·22	+0·09	+0·09	−0·02	−0·10	−0·10	−0·08	+0·04	+0·15	+0·29	+0·40	**+0·43**	+0·36	+0·24

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

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

356. Cahirciveen (Valentia Observatory) : H_b = 13·7 metres. **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	025·9	023·0	009·3	000·0	005·7	986·3	020·8	015·5	019·3	001·6	011·6	005·0	005·4	999·5	016·5	011·0	020·9	015·6	008·3	997·1	011·9	005·6	021·2	016·7
2	023·0	010·9	018·2	009·3	009·9	997·5	015·5	003·1	002·3	998·1	019·1	011·6	006·3	002·3	021·4	015·7	021·4	020·2	020·8	997·1	016·8	009·8	017·5	015·1
3	015·9	010·3	022·1	014·6	010·8	990·5	014·9	006·4	005·2	**996·7**	021·7	018·0	002·3	985·6	023·1	021·1	020·8	017·7	023·9	020·2	018·1	011·5	017·1	998·0
4	024·9	015·8	029·3	022·1	990·5	981·2	006·4	997·4	014·2	005·2	021·6	015·8	994·6	**984·0**	022·4	016·7	017·7	011·8	024·3	019·2	026·2	016·5	000·6	997·0
5	020·2	012·9	030·2	019·2	998·8	983·5	001·3	999·1	017·0	013·7	017·7	010·2	995·1	993·8	016·7	008·6	011·9	010·0	028·8	024·1	025·7	000·2	997·0	974·5
6	012·9	008·9	**035·9**	030·2	999·1	990·7	006·6	999·7	019·2	016·8	018·7	015·4	000·6	994·3	008·6	992·0	015·9	009·9	028·8	027·3	000·3	991·6	002·4	977·6
7	022·8	008·8	**035·9**	028·9	993·8	991·5	003·1	998·7	019·8	018·3	015·4	010·7	010·3	000·6	992·7	990·6	017·6	013·5	027·4	023·9	003·0	993·0	010·9	002·5
8	031·3	022·8	028·9	025·6	999·9	993·8	001·9	**996·0**	019·7	012·3	020·5	012·7	013·1	009·2	996·5	992·3	013·9	007·2	023·9	021·8	007·3	003·0	009·4	998·8
9	**037·3**	031·4	028·5	024·1	003·7	999·1	011·1	001·9	020·9	013·5	020·3	014·2	015·6	012·2	000·7	996·5	011·8	010·3	024·1	021·6	010·1	007·2	001·5	996·9
10	037·0	030·1	024·4	022·6	008·9	002·6	022·0	010·8	026·0	020·9	014·2	010·9	019·6	015·6	004·7	997·3	010·3	002·1	023·8	021·4	015·4	007·4	003·2	998·1
11	030·1	021·9	023·7	022·5	023·6	008·9	029·9	022·0	**029·0**	026·0	014·8	011·2	019 6	016·9	004·6	999·1	022·2	010·3	028·2	021·8	017·3	014·5	005·0	000·7
12	022·3	994·3	022·8	015·8	**024·5**	022·6	**033·7**	029·9	028·7	026·2	016·4	014·3	017·1	015·7	008·6	001·5	**022·5**	017·1	**029·8**	027·8	029·3	017·3	008·3	999·2
13	001·4	997·4	024·2	014·4	022·6	015·0	031·8	017·9	026·2	020·6	016·3	015·4	019·0	015·3	007·5	000·2	017·1	011·9	027·8	019·6	029·6	027·9	008·3	994·6
14	997·4	987·4	027·3	023·6	015·0	005·5	017·9	011·0	020·6	012·4	016·6	015·2	024·8	018·8	005·5	999·0	011·9	003·4	019·6	017·3	028·2	022·7	004·2	991·4
15	000·0	987·4	029·0	027·3	011·9	003·6	027·0	014·1	012·5	005·6	016·2	006·3	**025·4**	024·3	011·9	004·9	012·5	008·5	021·9	019·2	022·7	015·7	011·5	004·1
16	001·0	997·4	027·8	024·4	011·2	005·5	027·8	025·9	011·0	005·5	006·3	999·5	024·5	020·8	012·4	008·2	011·8	000·2	020·9	018·2	015·7	007·8	018·3	010·2
17	005·1	000·8	027·9	025·4	016·3	005·0	025·9	024·6	021·0	010·8	017·4	**997·3**	020·8	018·7	008·2	999·1	008·5	001·5	018·2	016·6	007·8	988·0	022·6	018·3
18	021·9	005·1	026·9	023·4	019·7	015·9	025·8	024·5	024·6	021·0	007·3	001·8	018·8	013·6	010·2	998·0	005·0	002·1	017·0	010·2	998·0	**987·9**	021·4	014·7
19	021·8	009·3	023·8	018·8	021·5	019·2	025·2	023·8	027·5	024·6	017·2	006·1	013·9	011·0	014·6	003·0	008·2	004·4	014·9	008·7	999·6	996·6	014·7	002·1
20	009·3	003·1	018·8	003·3	021·4	011·3	024·0	021·7	024·8	015·1	017·1	010·3	014·6	012·5	003·0	993·4	008·5	997·8	017·0	012·6	999·8	994·4	002·1	987·6
21	008·4	004·8	003·3	981·1	011·3	997·4	021·8	016·6	021·2	014·4	**024·1**	013·7	012·5	009·2	993·4	**982·0**	997·8	995·2	012·6	998·7	009·2	999·7	989·9	966·6
22	004·8	999·7	981·1	970·2	999·6	988·8	016·6	010·1	026·5	021·2	**024·1**	019·5	011·8	009·4	005·6	984·4	999·2	994·6	000·0	991·4	012·2	009·3	968·8	**960·4**
23	003·6	001·1	986·5	974·7	989·3	979·5	019·5	012·7	028·6	025·8	020·5	011·4	013·8	011·2	013·3	005·6	998·2	990·1	007·7	000·0	010·0	000·2	985·8	968·8
24	002·0	989·2	989·1	986·4	982·3	972·5	018·0	008·8	028·2	022·6	018·9	010·1	016·2	012·4	019·1	009·2	991·8	**988·6**	007·7	002·9	021·0	006·2	992·1	985·8
25	003·6	994·6	989·2	982·9	982·4	**965·5**	008·8	002·9	022·6	017·7	018·6	010·5	015·5	006·3	**025·5**	019·1	004·7	991·2	003·0	998·6	025·6	021·0	005·2	991·6
26	002·0	982·6	989·5	**968·2**	990·2	982·4	018·8	008·3	018·7	017·3	015·0	010·4	006·3	993·6	025·1	015·7	012·3	004·1	002·0	990·5	023·4	017·7	024·2	005·2
27	011·7	000·3	994·3	975·1	005·3	990·2	019·2	017·9	018·7	012·8	015·2	013·3	002·4	993·2	015·7	009·0	020·9	012·3	006·1	990·8	026·3	019·2	033·4	024·2
28	995·1	979·7	986·3	974·2	009·1	999·1	018·1	016·0	013·1	009·2	013·5	007·7	002·4	999·2	012·1	008·1	019·2	003·5	006·3	**972·0**	026·5	016·6	**033·5**	027·5
29	991·3	**978·9**	—	—	004·0	998·8	019·3	016·2	009·7	007·1	007·7	**997·3**	004·0	999·2	021·9	012·1	013·1	002·4	009·2	000·7	**033·8**	026·5	027·5	019·6
30	993·5	985·7	—	—	015·8	002·7	020·2	018·7	009·3	007·0	000·2	997·4	006·6	000·7	023·0	020·1	014·6	008·2	003·0	993·9	033·2	021·2	019·8	010·0
31	000·5	993·1	—	—	015·2	990·5	—	—	008·1	005·0	—	—	011·0	006·3	020·1	015·6	—	—	014·6	003·0	—	—	022·5	011·0
Mean	1012·19	1002·86	1015·51	1007·44	1006·88	996·67	1018·43	1012·41	1019·17	1013·71	1016·14	1009·77	1011·74	1006·63	1011·76	1004·16	1012·07	1005·52	1016·83	1009·30	1016·80	1008·54	1009·67	998·99

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

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

357. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1927.

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

358. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

February, 1927.

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

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

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

359. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1927.

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

360. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

April, 1927.

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

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

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

361. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1927.

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·3	79·6	79·7	79·8	79·9	80·0	81·0	81·6	81·4	81·0	81·8	81·4	81·8	81·2	81·0	82·4	81·8	81·8	82·2	82·2	82·3	82·4	82·8	83·0	**81·2**
2	83·0	83·1	82·4	81·9	81·3	81·5	82·0	81·9	81·7	81·6	81·6	81·8	82·3	82·4	82·8	82·8	82·7	82·4	82·2	81·8	81·5	81·4	81·7	80·8	82·1
3	81·7	82·9	83·6	83·8	83·7	83·8	84·0	84·6	84·8	84·8	85·3	86·4	86·9	86·3	85·4	84·9	84·4	83·9	83·8	83·2	82·4	81·9	81·4	81·5	84·0
4	81·4	81·7	81·9	81·8	81·8	82·3	82·7	82·7	83·2	83·3	83·8	84·1	84·4	84·3	84·2	85·0	84·4	84·4	84·0	83·4	83·0	82·9	82·8	82·7	83·1
5	82·0	80·9	81·0	80·8	80·6	81·3	83·0	84·8	85·8	86·3	86·7	87·0	86·6	86·6	86·1	86·5	86·8	86·0	84·6	83·4	82·4	81·8	80·5	79·5	83·9
6	79·9	78·8	78·4	77·9	78·2	78·8	81·9	84·1	85·9	87·3	87·4	88·8	88·2	88·3	88·9	89·4	89·7	88·8	87·8	86·4	85·3	84·9	84·4	84·3	84·6
7	84·3	83·8	83·8	83·8	84·7	85·4	89·8	91·0	92·3	92·9	93·2	92·9	93·2	93·4	93·1	92·3	92·7	91·4	90·4	89·1	88·2	87·2	86·2	85·2	**89·2**
8	84·8	84·7	84·3	84·1	87·8	88·4	89·4	91·3	91·9	93·3	93·4	91·7	88·5	88·0	87·8	87·3	87·0	87·0	87·2	86·9	85·7	85·8	86·0	85·8	87·8
9	85·9	85·8	85·4	85·2	84·9	84·9	85·1	85·7	87·0	88·5	89·2	89·5	89·6	89·3	89·3	89·0	88·7	87·4	86·4	85·5	85·3	85·1	84·9	84·8	86·8
10	84·8	84·4	83·9	83·9	83·9	84·1	85·0	84·8	85·0	86·4	86·2	86·8	87·0	87·2	87·6	86·7	86·6	86·7	86·1	86·2	85·8	85·8	85·8	85·8	85·7
11	85·7	85·4	85·3	85·3	85·0	85·0	85·1	85·4	86·3	87·4	87·8	88·6	88·7	89·0	89·1	88·8	88·6	87·9	86·7	85·7	84·6	84·7	85·1	85·2	86·5
12	85·1	85·1	85·0	84·8	84·7	84·9	85·3	85·4	85·5	84·9	85·0	85·8	86·0	86·4	86·4	86·1	86·6	86·1	85·4	84·6	84·7	84·8	84·5	84·6	85·3
13	84·3	84·2	84·4	84·5	84·4	84·4	84·7	84·8	85·1	85·2	85·6	85·8	86·2	86·4	86·4	86·8	87·2	85·9	85·6	84·8	83·5	82·8	82·4	82·4	85·0
14	83·7	83·9	84·1	84·3	84·0	84·1	84·8	85·1	85·8	86·0	85·8	85·9	85·0	85·0	85·4	85·8	85·8	85·5	85·0	84·7	84·4	83·8	82·4	81·7	84·7
15	80·8	81·2	81·8	81·9	82·4	82·7	82·9	83·2	83·4	84·0	83·8	84·1	83·9	83·8	84·3	84·4	84·9	84·4	83·8	83·4	83·1	83·3	82·8	82·4	83·2
16	82·0	81·8	81·4	81·6	81·1	81·4	82·3	83·6	84·5	84·8	84·8	85·0	85·0	85·4	85·2	85·6	86·1	85·2	84·8	84·3	83·7	83·3	82·6	83·0	83·7
17	82·4	82·8	81·9	81·8	80·9	80·8	83·4	85·4	86·2	86·1	86·8	88·0	88·1	87·4	87·7	87·2	87·2	87·0	86·0	85·4	83·4	82·8	81·4	81·2	84·7
18	80·1	79·5	79·0	78·8	78·7	81·0	82·2	84·0	85·7	88·2	87·1	87·6	88·2	88·2	88·4	88·9	87·8	87·0	86·4	85·9	85·2	84·8	84·3	84·5	84·6
19	83·8	82·8	83·0	82·4	82·0	82·7	83·8	84·8	85·2	85·3	86·0	86·0	86·4	86·5	86·6	86·2	86·8	85·9	84·7	83·7	82·3	82·0	81·7	81·2	84·3
20	80·3	78·8	77·8	78·6	79·6	80·4	82·4	83·8	84·6	84·6	85·0	85·4	85·5	86·0	86·1	86·1	85·4	84·9	84·8	84·8	84·7	84·8	84·5	84·2	83·4
21	84·1	83·6	83·6	82·8	83·3	83·7	83·2	84·4	84·6	84·4	84·7	85·7	85·7	85·1	85·0	85·0	84·4	84·4	84·3	83·8	83·4	83·1	82·8	82·3	84·1
22	82·2	82·5	82·5	82·0	82·6	82·5	83·2	84·1	84·2	84·2	84·8	84·9	85·0	85·4	85·9	86·2	86·3	85·0	84·7	84·4	83·7	83·3	83·6	83·6	84·0
23	83·8	84·3	84·0	84·0	84·0	84·2	84·8	85·6	86·8	87·1	87·6	88·2	88·7	87·4	87·4	87·5	88·2	87·9	87·3	86·4	85·5	85·4	85·1	85·3	86·1
24	85·3	85·2	85·2	85·1	85·1	85·2	85·5	86·2	86·8	87·2	87·7	88·1	88·4	88·8	89·2	89·8	89·1	87·7	87·2	86·7	85·0	84·4	83·4	82·3	86·5
25	82·5	81·7	81·3	81·3	80·8	82·4	85·3	87·4	88·6	89·4	90·2	90·6	90·7	90·2	91·3	90·0	89·8	88·8	88·5	88·0	87·8	87·2	86·8	86·8	86·9
26	86·6	86·4	86·1	85·4	85·0	85·0	85·8	86·8	89·0	90·0	90·2	89·6	90·2	89·9	89·5	89·4	89·0	89·3	88·3	87·8	87·1	87·0	86·4	86·0	87·8
27	85·8	84·7	84·6	83·1	83·4	84·0	87·1	87·0	88·6	89·6	90·6	90·8	90·3	91·2	90·9	91·2	91·2	91·8	91·2	90·4	89·4	88·8	88·3	87·6	88·4
28	86·9	86·5	85·8	85·3	84·7	84·8	85·1	86·7	87·8	88·0	87·7	88·3	88·6	89·0	89·3	88·3	88·2	87·8	87·2	86·2	85·2	84·4	84·2	83·8	86·7
29	82·8	81·6	80·5	80·8	80·6	82·0	82·9	83·3	85·0	85·8	86·1	86·8	86·9	86·9	86·4	86·5	86·3	85·7	85·6	85·2	85·0	84·4	84·5	84·3	84·4
30	83·9	83·4	83·8	83·2	83·5	84·1	82·8	83·3	83·6	83·8	85·1	86·8	86·8	86·8	86·8	86·8	87·2	86·1	85·6	85·0	84·5	84·1	83·8	82 9	84·8
31	82·4	82·1	82·0	81·8	81·1	81·7	83·3	83·6	85·3	85·2	84·9	85·8	86·3	86·5	86·8	87·7	87·9	87·2	86·5	85·4	84·8	84·3	83·0	81·6	84·5
Mean ...	83·3	83·0	82·8	**82·6**	82·7	83·1	84·2	85·1	85·9	86·3	86·6	87·0	87·1	87·0	**87·2**	87·1	87·1	86·5	85·9	85·3	84·6	84·3	83·9	83·6	85·1

362. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

June, 1927.

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

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

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

363. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

July, 1927.

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

364. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

August, 1927.

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

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

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

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

365. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1927.

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

366. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1927.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a
1	84·9	85·1	85·4	86·0	87·1	87·1	87·2	87·7	87·8	88·0	88·0	87·7	87·6	87·0	86·0	85·8	85·5	85·4	85·2	85·2	85·4	85·9	86·8	87·4	86·4
2	87·4	87·7	87·8	88·0	88·1	88·2	88·8	87·0	85·0	85·1	85·1	85·1	85·4	85·8	85·5	85·3	85·2	84·8	84·7	83·6	82·9	81·8	80·8	80·0	85·5
3	78·4	78·6	77·9	78·2	77·9	78·0	77·3	78·0	82·8	84·1	85·1	85·4	86·3	86·5	86·5	86·0	85·9	85·4	85·3	85·3	84·7	85·0	85·4	85 5	82·8
4	85·9	86·1	86·6	86·9	86·9	87·0	86·8	86·9	87·2	87·4	87·6	88·2	88·4	88·7	89·2	88·5	87·7	87·0	87·0	87·7	87·8	87·6	87·8	88·0	87·4
5	87·8	87·4	87·1	87·2	87·2	87·2	87·0	86·5	87·4	88·0	89·1	89·0	89·3	89·2	89·1	88·8	88·2	87·3	86·5	86·4	85·7	83·6	83·1	82·1	87·2
6	82·3	84·7	85·0	85·0	84·5	84·0	82·9	83·7	84·6	86·5	88·9	89·2	89·2	89·5	89·4	88·8	88·0	86·7	85·3	83·3	82·5	82·0	80·6	81·0	85·3
7	80·9	80·7	80·3	81·5	82·3	82·8	81·4	81·2	84·9	87·8	89·0	89·7	90·0	90·4	90·3	90·5	89·9	88·7	88·0	88·0	88·2	87·1	87·2	86·9	86·0
8	86·2	86·0	86·1	86·2	86·6	86·9	86·9	86·5	88·1	89·1	89·7	90·2	90·6	90·9	90·7	90·2	89·6	88·8	88·8	88·5	88·4	88·1	88·0	88·9	88·3
9	89·0	88·2	87·7	87·8	87·3	87·8	87·3	87·9	88·3	89·0	89·8	90·2	90·7	90·7	90·3	90·0	89·0	88·0	87·9	87·3	87·4	87·3	87·0	86·9	**88·5**
10	86·1	86·6	85·2	85·3	85·4	83·9	84·8	85·0	86·0	87·0	87·7	88·4	88·5	88·5	88·3	88·0	87·2	86·0	87·0	87·2	87·3	87·0	87·1	86.8	86·7
11	87·0	87·0	86·9	86·6	86·6	86·6	86·4	86·5	87·5	88·0	88·7	89·4	89·9	90·2	88·6	88·0	87·1	85·8	84·7	84·3	88·0	82·2	81·6	81·7	86·5
12	81·0	80·3	80·3	79·9	79·5	80·4	81·0	81·8	82·7	83·3	84·4	85·2	85·2	85·4	85·2	85·0	84·8	84·8	84·7	84·1	84·4	84·7	84·9	85·0	83·2
13	85·0	84·9	84·9	84·8	84·9	84·8	84·8	84·9	85·0	85·2	85·2	85·7	86·1	86·0	86·0	85·8	85·6	85·2	85·2	85·2	85·2	85·0	85·1	85·2	85·2
14	84·8	85·4	85·4	85·4	85·0	85·0	84·7	84·0	83·7	84·0	84·3	84·9	85 4	85·7	85·8	85·6	85·2	84·9	84·6	84·9	84·8	84·6	83·9	84·0	84·9
15	83·3	83·2	83·0	83·5	83·6	84·0	83·9	83·5	84·6	85·0	85·2	85·9	85·9	85·8	85·3	84·9	84·2	83·7	83·7	83·7	84·0	84·2	84·5	84·4	84·3
16	84·4	84·4	84·1	84·0	84·1	84·2	84·6	84·7	85·1	85·4	85·9	86·0	86·1	85·6	85·7	85·8	85·5	85·5	85·6	85·6	85·0	85·0	84·9	84·9	85·1
17	85·0	84·9	84·9	84·9	85·3	85·2	85·3	85·4	85·6	85·9	86·2	86·7	86·3	86·4	86·5	86·4	85·9	85·2	85·0	84·7	84·7	85·1	85·1	85·0	85·5
18	85·0	84·9	84·5	84·2	84·2	85·0	85·0	84·7	83·7	85·0	85·4	86·0	85·8	84·5	85·3	85·1	85·0	84·9	84·2	84·3	84·1	83·7	83·9	83·7	84·7
19	83·9	83·8	83·5	83·8	84·2	83·5	83·9	84·1	84·4	84·4	84·4	84·9	84·9	85·0	84·4	84·0	83·6	83·3	82·2	82·8	82·1	81·4	80·9	80·4	83·6
20	79·2	79·0	79·0	79·0	78·9	78·9	79·1	79·1	80·4	81·9	82·4	82·8	82·9	83·0	82·6	82·1	81·2	81·1	81·1	80·9	80·7	80·9	81·4	81·8	**80·3**
21	82·0	82·6	82·2	82·0	83·0	83·3	83·1	83·5	84·0	84·4	84·5	84·2	84·0	84·2	85·0	85·0	85·0	83·9	83·1	82·9	81·9	81·9	80·8	80·4	83·2
22	79·9	80·0	80·1	79·9	79·2	80·5	80·4	80·1	81·0	81·8	82·5	82·8	83·8	83·3	84·4	83·9	83·4	83·1	83·2	83·6	83·8	83·3	83·4	83·6	82·1
23	83·5	83·6	83·0	83·6	83·2	83·4	83·3	83·4	83·5	83·8	83·8	84·0	84·0	84·3	84·2	83·9	83·5	82·9	82·8	82·5	82·0	82·2	81·8	82·3	83·3
24	82·7	82·9	83·3	83·8	84·0	84·9	85·0	85·0	85·5	86·0	86·5	87·0	87·7	87·9	88·0	87·6	87·5	87·4	87·4	87·4	87·3	87·3	87·4	87·4	86·0
25	87·4	87·4	87·5	87·6	87·8	87·9	87·8	87·7	87·8	88·0	88·1	88·3	88·4	88·1	87·8	87·7	88·2	88·0	87·7	87·4	87·1	87·0	86·6	86·5	87·7
26	86·6	87·0	87·2	87·7	87·6	87·4	87·4	87·2	86·9	87·4	87·7	88·0	87·4	87·5	87·2	87·0	86·5	86·5	86·5	87·0	87·8	87·7	87·6	88·3	87·3
27	88·0	86·3	85·4	85·2	85·0	85·0	85·2	85·5	85·8	86·2	86·3	86·9	87·3	87·3	87·0	86·9	86·1	85·5	85·4	85·6	84·9	84·6	84·9	85·2	86·0
28	85·3	84·7	85·1	84·9	86·0	87·3	87·5	87·6	87·4	87·7	87·9	87·9	87·4	85·9	86·6	86·7	84·2	83·6	83·9	84·0	84·2	84·2	84·2	84·2	85·8
29	83·9	83·4	82·6	82·2	82·5	82·9	83·3	84·5	85·2	85·7	86·2	86·6	87·0	87·0	86·1	86·0	86·0	85·9	85·9	86·0	86·1	86·1	86·0	86·2	85·1
30	86·4	86·5	86·6	86·6	86·5	86·6	86·6	86·9	86·2	85·8	86·1	86·6	86·3	87·0	86·4	85·3	85·0	84·8	85·0	85·0	84·9	84·8	85·0	84·7	85·9
31	84·0	84·3	84·2	84·0	83·8	83·7	83·9	82·2	82·4	84·4	84·9	85·1	85·6	85·8	85·5	85·1	84·5	84·3	84·3	84·4	85·0	85·4	85·7	86·0	84·5
Mean ...	84·4	84·4	**84·3**	84·4	84·5	84·6	84·6	84·6	85·2	85·9	86·3	86·7	**86·9**	86·9	86·7	86·4	85·9	85·4	85·2	85·1	84·9	84·7	84·6	84·7	85·3
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

367. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1927.

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

368. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

December, 1927.

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

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

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

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

369. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **1927.**

Hour 1.	G.M.T 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
82·73	82·66	82·57	82·49	**82·46**	82·55	82·85	83·18	83·66	84·05	84·46	84·78	85·00	**85·05**	85·02	84·80	84·53	84·17	83·82	83·54	83·31	83·12	82·99	82·87	83·61

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

370. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **1927.**

Month	Mean	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	280·32	−0·03	−0·14	−0·26	−0·27	**−0·42**	−0·36	−0·39	−0·38	−0·37	−0·11	+0·15	+0·49	+0·64	**+0·67**	+0·64	+0·44	+0·18	+0·09	+0·01	−0·01	−0·02	−0·15	−0·20	−0·15
Feb.	280·96	−0·35	−0·38	−0·48	−0·56	−0·59	−0·58	−0·67	**−0·79**	−0·55	−0·11	+0·44	+0·89	+1·12	**+1·24**	+1·13	+0·93	+0·58	+0·16	−0·10	−0·23	−0·27	−0·29	−0·25	−0·34
Mar.	281·45	−0·59	−0·73	−0·86	−0·86	−0·87	**−0·98**	−0·87	−0·82	−0·30	+0·18	+0·67	+0·93	+1·31	**+1·35**	+1·13	+0·82	+0·66	+0·32	+0·14	−0·04	−0·02	−0·02	−0·17	−0·38
Apr.	281·83	−1·16	−1·10	−1·20	−1·42	−1·43	**−1·51**	−1·00	−0·30	+0·25	+0·67	+1·11	+1·45	**+1·69**	+1·65	+1·64	+1·26	+1·00	+0·69	+0·22	−0·09	−0·30	−0·44	−0·69	−0·89
May	285·09	−1·77	−2·04	−2·24	**−2·42**	−2·36	−1·92	−0·88	−0·02	+0·78	+1·26	+1·55	+1·95	+1·98	+1·94	**+2·06**	+2·01	+1·95	+1·38	+0·83	+0·19	−0·51	−0·85	−1·26	−1·57
June	285·59	−1·38	−1·51	−1·69	−1·79	**−1·88**	−1·38	−0·61	−0·16	+0·55	+0·94	+1·23	+1·41	+1·62	+1·65	**+1·68**	+1·56	+1·46	+1·05	+0·60	+0·60	−0·48	−0·81	−0·96	−1·16
July	287·89	−1·50	−1·63	−1·71	**−1·80**	−1·78	−1·62	−0·91	−0·33	+0·41	+0·88	+1·30	+1·56	+1·88	+1·96	**+1·98**	+1·76	+1·49	+1·02	+0·48	+0·09	−0·38	−0·84	−1·05	−1·24
Aug.	287·85	−1·23	−1·22	−1·10	−1·25	**−1·32**	−1·25	−0·88	−0·21	+0·38	+0·70	+1·03	+1·33	+1·56	+1·76	**+1·90**	+1·56	+1·18	+0·86	+0·32	−0·25	−0·64	−0·90	−1·05	−1·16
Sept.	285·75	−1·02	−1·00	−1·23	−1·24	−1·36	**−1·44**	−1·16	−0·53	+0·14	+0·70	+1·12	+1·28	+1·58	**+1·62**	+1·56	+1·40	+1·10	+0·67	+0·19	−0·14	−0·23	−0·54	−0·62	−0·83
Oct.	285·31	−0·86	−0·85	**−1·01**	−0·91	−0·84	−0·67	−0·70	−0·70	−0·12	+0·54	+1·03	+1·40	**+1·57**	+1·56	+1·42	+1·12	+0·62	+0·11	−0·10	−0·21	−0·39	−0·60	−0·70	−0·67
Nov.	281·39	−0·48	−0·56	−0·56	−0·71	−0·63	**−0·81**	−0·75	−0·65	−0·64	−0·22	+0·50	+1·07	+1·29	**+1·35**	+1·29	+1·07	+0·58	+0·29	+0·02	−0·18	−0·21	−0·27	−0·38	−0·39
Dec.	279·63	−0·13	−0·16	−0·12	−0·15	−0·24	−0·22	**−0·31**	−0·27	**−0·31**	−0·23	+0·09	+0·33	+0·49	**+0·55**	+0·52	+0·35	+0·21	+0·04	−0·04	−0·03	−0·10	−0·11	−0·04	−0·10
Year	283·61	−0·88	−0·95	−1·04	−1·12	**−1·15**	−1·06	−0·76	−0·43	+0·05	+0·44	+0·85	+1·17	+1·39	**+1·44**	+1·41	+1·19	+0·92	+0·56	+0·21	−0·07	−0·30	−0·49	−0·62	−0·74

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

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

371. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

372. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1927.

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

373. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **February, 1927.**

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

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

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

Percentages at exact hours, Greenwich Mean Time.

374. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1927.

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

375. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **April, 1927.**

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

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

Percentages at exact hours, Greenwich Mean Time.

376. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1927.

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

377. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

June, 1927.

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

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

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

Percentages at exact hours, Greenwich Mean Time.

378. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

July, 1927.

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

379. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **August, 1927.**

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

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

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

Percentages at exact hours, Greenwich Mean Time.

380. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1927.

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

381. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1927.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	98	97	98	99	98	98	97	97	98	96	97	94	95	95	94	94	95	96	96	95	97	96	97	**96·4**	14·8
2	97	94	94	94	97	97	94	95	86	76	75	68	71	60	69	62	64	67	69	77	79	88	89	90	81·5	11·8
3	92	91	90	94	90	89	93	92	76	73	65	68	65	62	63	66	66	65	70	72	79	83	83	85	78·1	9·5
4	89	89	87	90	91	91	95	95	96	97	96	93	91	90	88	90	92	94	94	88	88	87	87	84	90·9	14·9
5	86	86	88	87	85	87	88	88	85	76	69	63	58	58	54	56	57	63	65	60	57	71	72	77	72·5	11·7
6	67	38	37	36	33	38	47	49	61	65	48	51	59	64	67	76	78	74	80	83	84	86	90	88	62·2	**8·9**
7	85	80	83	79	72	73	81	81	73	69	63	60	59	56	58	54	56	60	64	62	56	40	42	40	65·4	9·8
8	45	48	48	47	58	61	62	71	62	59	59	58	55	53	53	54	54	59	59	61	59	61	66	59	**56·7**	9·9
9	60	66	70	70	75	71	75	77	77	73	69	69	59	62	65	66	70	75	72	73	71	66	70	68	69·4	12·2
10	74	63	71	64	60	70	65	66	67	65	63	64	63	64	66	68	68	74	75	76	75	77	77	80	68·7	10·8
11	78	77	78	81	81	80	81	75	73	75	75	77	71	79	76	85	88	91	91	92	94	95	93	93	82·2	12·7
12	94	94	96	96	96	94	96	96	96	96	98	97	94	95	94	95	96	96	97	97	96	95	94	93	95·5	11·9
13	93	94	94	94	93	94	94	94	91	90	87	81	77	77	77	78	80	80	80	82	85	85	87	87	86·5	12·3
14	88	89	91	94	89	86	83	74	73	68	74	75	74	74	74	74	78	79	82	84	78	80	81	75	80·1	11·2
15	85	84	86	82	81	75	81	85	79	75	71	59	67	70	77	83	84	90	89	91	90	90	92	83	81·0	10·8
16	82	82	86	87	93	93	94	95	94	94	90	90	88	93	92	89	94	94	93	86	93	84	91	93	90·2	12·7
17	93	94	93	93	88	86	85	79	82	81	81	81	81	80	79	83	78	80	78	79	79	76	78	78	83·0	12·0
18	79	90	88	93	93	85	89	93	87	78	85	82	80	92	87	85	89	87	85	92	89	93	92	94	87·5	12·0
19	93	92	93	90	85	94	84	85	86	86	83	77	77	66	66	65	67	72	76	73	75	79	82	83	80·6	10·3
20	90	85	85	88	87	87	90	90	88	70	63	63	62	66	75	79	87	83	85	86	90	89	87	87	81·7	9·4
21	87	87	91	89	89	89	91	94	90	91	95	98	93	94	97	97	93	93	88	88	89	88	89	93	91·3	11·4
22	90	91	91	87	91	85	80	83	82	76	71	71	69	71	71	68	70	74	83	74	75	78	73	70	78·6	9·1
23	71	73	74	65	72	69	67	71	68	63	64	67	74	71	73	76	84	80	82	84	86	83	88	87	74·3	9·3
24	87	87	90	90	95	91	93	95	94	98	96	97	97	97	98	97	98	98	98	98	98	97	97	97	94·9	14·2
25	98	98	98	98	97	97	98	98	97	97	94	96	94	97	94	96	94	93	92	95	95	94	94	94	95·8	**16·0**
26	94	93	95	92	93	96	96	94	93	96	93	94	93	90	91	91	94	95	95	96	94	93	94	94	93·7	15·3
27	92	94	90	89	91	90	90	90	88	87	80	79	83	79	79	81	82	85	87	90	90	91	91	93	87·1	13·1
28	94	79	82	84	88	93	94	92	94	91	90	90	86	93	94	93	89	85	83	77	75	73	74	73	86·5	12·8
29	69	76	75	80	82	86	88	87	87	85	85	82	80	82	85	87	88	89	90	90	90	91	94	93	84·6	11·9
30	96	96	96	96	97	97	97	96	98	96	94	93	96	91	88	90	93	91	91	94	94	94	96	95	94·3	14·0
31	93	91	86	87	76	77	67	84	84	79	76	74	74	72	78	79	81	84	84	84	83	85	85	87	81·4	11·0
Mean	85·1	83·8	84·6	84·3	84·4	84·5	85·0	**85·8**	84·0	81·4	79·0	77·9	**76·9**	77·2	78·2	79·3	80·8	82·1	83·0	83·2	83·3	83·5	84·7	84·2	82·3	†11·9
Vapour Pressure* ...	mb. 11·5	mb. **11·3**	mb. 11·3	mb. 11·4	mb. 11·4	mb. 11·5	mb. 11·6	mb. 11·7	mb. 11·9	mb. 12·1	mb. 12·1	mb. 12·2	mb. 12·2	mb. 12·2	mb. **12·3**	mb. 12·2	mb. 12·0	mb. 11·8	mb. 11·8	mb. 11·7	mb. 11·7	mb. 11·5	mb. 11·6	mb. 11·6	mb. ‡11·8	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7'	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	—

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

Percentages at exact hours, Greenwich Mean Time.

382. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1927.

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

383. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **December, 1927.**

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

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

HUMIDITY: ANNUAL MEANS FROM HOURLY VALUES.

For exact hours, Greenwich Mean Time.

384. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **1927.**

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

* Computed from the mean temperature and mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

385. Cahirciveen (Valentia Observatory) : North Wall Screen : h_t = 1·3 metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	81·1	+0·8	+0·7	+2·2	+2·5	+2·0	+0·6	+0·3	−0·3	+0·4	−1·2	−0·5	−1·0	−3·1	**−3·7**	−2·6	−1·3	−1·2	−0·4	+0·2	−1·0	+0·4	+1·3	**+2·5**	+2·4
Feb.	84·1	+2·1	+1·9	+2·1	+1·8	+2·9	**+3·0**	+2·9	+2·7	+1·1	−0·3	−1·7	−3·2	−4·6	**−5·1**	−4·3	−3·1	−2·3	−1·0	−0·2	−0·4	+0·6	+1·8	+1·5	+1·9
Mar.	80·3	+3 1	**+4·5**	+3·9	+3·4	+1·1	+1·1	0·0	+0·1	+0·6	−1·9	−3·9	−4·7	−6·2	**−6·8**	−4·1	−2·2	−2·3	+0·6	+1·7	+1·7	+1·9	+2·5	+2·9	+3·1
April	78·4	+2·1	+1·1	+1·7	+3·4	+4·1	**+4·9**	+4·1	+3·6	+0·7	0·0	−1·6	−2·9	−3·0	−4·2	**−4·9**	−4·4	−4·0	−3·3	−2·0	0·0	+0·5	+1·1	+1·2	+1·7
May	**78·0**	+5·4	+6·4	+6·9	**+7·3**	+7·0	+5·9	+3·9	+0·4	−2·5	−4·4	−6·2	−6·6	−6·2	−5·1	−5·9	−6·4	**−7·5**	−4·9	−2·6	+0·2	+2·1	+3·0	+4·5	+5·3
June	79·5	+3·6	+4·6	+4·6	+4·8	**+5·5**	+3·9	+2·7	+1·7	−1·1	−3·1	−3·1	−3·9	−4·7	−4·7	**−5·2**	−3·7	−4·5	−4·3	−3·0	−0·9	+1·6	+3·2	+2·6	+3·6
July	84·5	+3·9	+4·7	+4·9	+5·4	+6·0	**+6·2**	+4·7	+3·0	+0·6	−2·4	−4·1	−4·8	−6·0	−6·9	**−7·3**	−7·0	−4·9	−4·0	−1·4	+0·1	+1·4	+2·1	+2·8	+2·9
Aug.	**85·1**	+3·3	+3·1	+3·3	+4·1	**+4·8**	+4·4	+3·5	+2·1	−0·2	−2·5	−3·7	−5·0	−4·8	−5·7	**−7·4**	−5·9	−3·9	−2·7	−1·1	+1·6	+2·9	+3·1	+3·2	+3·6
Sept.	83·7	+2·4	+2·1	+2·5	+2·8	+3·2	+3·1	+2·3	+1·3	−0·6	−3·4	−3·0	−5·1	**−5·3**	**−5·3**	−5·3	−3·8	−2·8	−1·1	+1·4	+2·4	+2·7	**+3·4**	+3·1	+3·0
Oct.	82·3	+2·6	+1·4	+2·2	+1·9	+2·0	+2·1	+2·6	**+3·5**	+1·6	−1·0	−3·4	−4·5	**−5·4**	−5·1	−4·1	−3·0	−1·4	−0·2	+0·7	+1·0	+1·0	+1·3	+2·5	+2·0
Nov.	82·9	+0·9	+1·6	+2·1	**+2·1**	+0·6	+1·0	+1·2	+1·5	**+2·1**	+1·3	+0·7	−1·4	−2·6	**−4·3**	−3·7	−3·6	−0·8	−0·1	+0·2	+1·0	+0·4	−0·1	−0·2	+0·3
Dec.	79·8	0·0	−0·5	−0·3	+0·2	+0·7	−0·1	−0·3	**−0·8**	−0·4	+0·1	**+1·0**	−0·6	−0·1	−0·7	0·4	+0·1	+0·5	+0·5	−0·9	+0·2	+0·6	−0·4	−0·2	+0·2
Year	81·6	+2·5	+2·6	+3·0	**+3·3**	**+3·3**	+3·0	+2·3	+1·5	+0·2	−1·5	−2·5	−3·6	−4·4	**−4·8**	−4·6	−3·7	−2·9	−1·7	−0·4	+0·5	+1·4	+1·9	+2·2	+2·5

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

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

386. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **1927.**

Hour G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
Amount	mm. 63·7	mm. 67·4	mm. 62·7	mm. 61·6	mm. 72·2	mm. 67·0	mm. 68·9	mm. 62·6	mm. 56·9	mm. 50·8	mm. 41·9	mm. 38·8	mm. 43·3	mm. 30·7	mm. 43·3	mm. 34·7	mm. 62·6	mm. 63·2	mm. 47·4	mm. 59·1	mm. 67·5	mm. 57·8	mm. 59·4	mm. 61·2	mm. 1344·7
Duration	hr. 36·8	hr. 44·5	hr. 45·2	hr. 42·1	hr. 44·2	hr. 43·4	hr. 47·4	hr. 40·4	hr. 33·3	hr. 25·5	hr. 28·6	hr. 29·5	hr. 27·8	hr. 23·8	hr. 28·3	hr. 29·0	hr. 34·7	hr. 40·1	hr. 41·0	hr. 45·4	hr. 47·8	hr. 43·8	hr. 37·0	hr. 41·4	hr. 899·0

387. Cahirciveen (Valentia Observatory). NOTES ON RAINFALL. **1927.**

Notable Falls of the Year.—The heaviest rain of the year was experienced on June 16th, when 23·2 mm. fell between 2 h. 55 m. and 7 h. 15 m.; between 3 h. and 6 h. on this date 18·0 mm. were recorded and from 4 h to 5 h. 8·0 mm. fell.

The highest hour's fall of the year occurred on August 20th when 8·2 mm. fell between 1 h. and 2 h.; during the three hours 1 h. to 4 h. on this date 16·3 mm. were registered.

On January 26th 24 mm. fell between 1 h. and 12 h.; of this total 15·5 mm. fell in the three hours 6 h. to 9 h.

Dry Periods.—The only absolutely dry period of any note was the 10 days, October 5th to 14th, when no rain fell.

There was a period of 18 days from May 16th to June 2nd when the mean rainfall of the period was only 0·04 mm., slight rain having fallen on May 20th, 21st and 24th.

Wet Periods.—The thirty-one days of January and the first five days of February were part of a period of 40 days beginning on December 28th, 1926, on all of which rain was measured; on only one of these days (December 30th) was the measured amount as low as 0·2 mm.

There was a period of 22 days from March 21st to April 11th on no day of which the measured rainfall was less than 0·3 mm.; during this period there were 20 consecutive days (March 22nd to April 10th) on no day of which the measured amount was less than 1·0 mm.

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

388. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **January, 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	0–24	Duration 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·5	·2	...	...	·3	...	...	·1	1·4	0·9
2	...	·1	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	1·4	1·2	·1	...	·1	3·4	2·8
3	...	...	...	...	...	...	...	...	...	...	·2	...	...	·5	...	...	...	...	·4	·1	...	...	...	·1	1·3	0·9
4	...	...	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	1·1	1·8	1·5
5	·4	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·6	1·2	·7	·6	...	·5	6·4	5·2
6	·2	·1	...	...	...	...	...	·3	·3	·1	...	...	...	...	...	...	1·5	...	...	·1	...	·3	·2	1·4	4·5	1·4
7	...	·4	...	·6	·4	...	·5	...	...	...	...	·1	...	·2	...	...	·4	...	...	...	...	...	...	...	2·6	1·3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	0·2	0·4
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·2	0·4	0·4
10	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·2	0·5	0·5
11	...	...	...	·1	...	...	...	·3	·1	...	·1	·3	...	...	...	...	...	...	...	...	·2	...	...	...	1·1	0·9
12	...	...	...	...	...	...	...	...	...	·2	1·6	1·0	·6	...	...	·1	·1	·6	·8	...	·2	·1	·2	·3	5·8	3·2
13	·2	...	·1	·7	·6	·5	·5	...	...	·3	...	...	...	...	·7	1·0	...	·3	...	...	...	·2	...	·1	5·2	2·9
14	...	...	...	...	...	...	...	...	...	...	...	...	1·4	...	·2	...	·2	·4	·2	...	·1	·1	...	·6	3·2	1·7
15	...	·4	...	1·5	·6	...	...	·3	...	...	...	·2	·2	...	·1	·1	·2	...	...	...	...	·5	·3	...	4·4	2·0
16	...	·1	...	...	·2	...	·3	...	·8	·8	·6	1·2	·1	·1	·1	...	...	...	...	...	...	...	...	...	4·3	2·3
17	·2	·3	...	1·0	·6	...	...	·2	...	...	...	·1	·2	...	...	...	1·1	...	1·0	...	·3	...	...	...	5·0	2·4
18	·3	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·6	0·5
19	·1	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·6	·9	·3	·3	2·3	4·0
20	·3	·1	...	·1	...	1·1	·5	·1	...	·4	·8	·9	1·0	...	·2	·2	...	...	...	...	...	...	...	...	5·7	4·1
21	·1	·3	·3	·4	1·4	·1	·9	...	...	·3	·8	...	...	...	...	...	·8	·2	·4	...	...	...	...	...	6·0	2·4
22	·7	·6	...	·2	...	...	...	...	·1	·5	1·4	...	...	...	...	...	...	...	·6	·5	...	...	...	...	4·6	1·6
23	...	...	...	·1	·2	...	...	...	...	...	·4	...	...	...	...	1·7	...	·1	...	...	...	...	...	...	2·5	0·9
24	...	...	...	...	...	...	...	1·7	3·2	4·5	4·0	2·7	2·3	1·6	0·7	...	...	...	...	1·3	...	...	...	...	22·0	7·0
25	...	...	...	...	...	...	...	1·0	·5	1·6	...	...	·1	...	·3	·1	...	...	...	...	...	3·6	1·2	1·2	9·6	3·5
26	...	·7	·3	1·2	1·5	2·5	4·5	5·6	5·4	1·2	·3	·8	...	...	...	...	...	...	...	...	...	...	·3	·3	**24·6**	**8·8**
27	...	1·5	·6	·4	...	...	·5	·2	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	3·3	1·1
28	...	...	...	...	...	...	·2	...	1·1	...	...	...	...	...	·8	·1	...	...	...	...	1·0	2·1	3·1	...	8·4	3·9
29	...	2·0	...	·4	·2	·2	·2	1·2	...	...	...	...	·8	...	...	·3	·4	·8	...	·8	...	...	·3	...	7·6	3·7
30	·1	...	...	...	·7	·3	·1	...	·6	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	2·2	1·2
31	...	...	·4	...	·2	1·0	...	...	·8	...	...	·4	...	...	·6	·2	·4	·5	·2	...	...	·3	...	...	5·0	2·1
Sum.	2·6	7·1	2·7	7·1	6·6	6·0	9·9	12·4	**14·2**	12·7	8·3	7·0	4·5	0·8	3·2	4·7	5·0	4·6	4·9	5·4	4·6	9·2	5·9	6·5	155·9	75·5
Total Duration.	hr. 2·5	hr. 3·0	hr. 1·5	hr. 3·6	hr. 3·9	hr. 3·3	hr. 3·0	hr. 3·0	hr. 4·0	hr. 4·1	hr. 3·7	hr. 3·8	hr. 2·9	hr. 1·4	hr. 2·3	hr. 1·8	hr. 2·4	hr. 3·1	hr. 2·8	hr. 2·9	hr. 3·5	hr. **4·4**	hr. 3·5	hr. 5·1	hr. 75·5	

389. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **February, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	·9	·1	...	...	·6	·5	1·0	·4	...	...	...	·2	·2	·5	...	...	·8	...	5·2	5·9
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·1	·7	1·4	1·5	1·9	·3	·1	7·2	5·4
3	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·1	1·8	1·7	·2	...	...	...	...	...	5·3	3·7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·5	·6	1·9	2·1
5	·7	·1	·3	·6	1·2	·3	·8	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3	3·6
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	·4	...	...	...	...	...	...	...	...	...	·3	·9	·1	...	...	...	...	...	...	...	...	1·7	1·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	·4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·8
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	·2	1·0	1·0	·8	·2	...	...	...	...	...	1·9	·5	...	...	...	...	...	...	...	...	...	...	5·6	3·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	1·6	1·1	·3	·2	...	...	...	·2	·9	5·0	3·7
15	2·9	1·7	·5	·3	·2	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	3·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	·7	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·4	·6	·1	·3	...	1·9	1·9
19	...	·2	·3	·2	...	...	...	·3	·6	·3	·2	...	...	...	·1	·1	·2	...	...	...	·1	·8	·3	...	3·7	5·7
20	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
21	·6	...	...	·1	...	·1	·4	...	...	...	...	...	...	...	·7	·3	...	·6	·5	·1	·7	·6	...	·2	4·9	3·7
22	...	·2	...	...	1·4	·3	·4	·7	...	...	...	...	...	...	...	·2	...	·2	·7	2·4	1·6	·3	...	...	8·4	6·7
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·7	...	...	1·0	0·5
25	1·7	·4	·5	·1	...	...	...	...	...	...	...	...	...	...	...	·1	1·3	...	...	...	...	...	...	...	4·1	2·6
26	...	...	...	...	...	·2	...	...	...	...	·3	1·3	1·3	...	...	...	...	...	1·0	1·8	·5	1·7	·7	·3	9·1	**7·2**
27	·3	·2	·2	·5	·5	·2	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	5·1	4·3	**14·6**	4·7
28	3·0	...	...	1·4	2·5	1·1	1·1	·5	...	...	...	...	...	...	...	...	·7	...	...	...	...	·2	...	...	10·5	4·2
Sum.	9·2	3·4	2·9	5·1	6·8	3·1	4·3	1·7	0·7	0·3	1·1	2·1	4·2	1·2	2·7	3·5	5·3	4·4	3·7	6·6	5·3	**9·8**	8·2	6·4	102·0	71·6
Total Duration.	hr. 4·5	hr. 3·9	hr. 3·5	hr. 4·8	hr. 4·1	hr. 2·4	hr. 3·0	hr. 2·8	hr. 2·1	hr. 0·5	hr. 1·3	hr. 1·9	hr. 2·4	hr. 1·0	hr. 1·9	hr. 2·7	hr. 2·6	hr. 2·8	hr. 2·9	hr. 3·3	hr. 4·5	hr. **5·4**	hr. 3·7	hr. 3·6	hr. 71·6	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

390. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.)+h_r (height of receiving surface above ground) =9·1 metres + 0·5 metre. **March, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	·1	·2	...	·6	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	0·9
2	...	...	...	...	...	·2	·6	·7	·3	·7	...	...	...	...	...	...	...	...	...	·7	·3	...	...	...	3·5	2·0
3	...	·1	...	...	...	·2	...	...	...	·2	·2	...	·3	1·6	3·1	·9	·8	·4	...	2·4	·6	...	...	·1	10·9	6·1
4	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	1·5	1·4	1·9	1·8	·3	·4	·4	·2	9·5	5·7
5	...	·3	·5	·6	...	...	·9	...	·4	·2	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	3·0	1·4
6	...	...	...	...	...	...	...	...	·3	...	...	...	1·7	...	...	·3	·8	1·7	·8	·4	...	...	...	...	6·0	3·9
7	...	...	...	...	...	...	...	...	...	1·8	...	...	...	...	...	·5	·2	·2	...	...	...	...	...	...	2·7	0·5
8	·2	...	·2	...	...	·4	·2	...	...	...	...	...	...	...	...	·2	·5	...	...	·6	...	...	·7	1·0	4·0	1·5
9	...	·3	...	...	...	...	...	·8	·4	...	...	...	...	...	...	...	...	·2	·3	...	...	...	...	...	2·0	0·7
10	·1	·2	·4	...	...	...	·4	·2	2·8	1·2	...	...	...	...	·4	...	...	...	...	·2	·6	...	·2	·2	6·9	2·5
11	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·3	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·8	·4	·3	·1	·4	...	...	...	2·5	2·5
15	·4	2·5	4·5	1·7	5·9	·6	·2	·6	·1	·8	...	...	...	...	...	...	...	...	...	...	·3	·2	17·8	6·6		
16	1·0	2·3	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·8	2·6
17	...	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·5
18	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7
19	...	·1	1·2	·6	1·3	...	...	...	...	...	...	·6	·1	...	...	...	·4	·2	·1	...	...	...	...	...	4·6	3·4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	0·7	0·7
22	...	...	1·5	·7	·4	1·0	·4	·7	...	1·0	...	·5	...	...	...	...	5·7	5·7	·6	...	·4	·3	·8	·5	**20·2**	6·3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	2·4	·2	·1	·3	...	3·2	1·6
24	...	...	...	...	...	...	...	...	...	·4	·2	·2	...	·1	·5	...	...	·5	...	...	...	...	·1	2·0	4·0	2·2
25	·2	1·2	...	·1	·1	·2	·8	·4	2·2	·9	·7	...	...	·3	·6	·9	...	...	...	...	·4	...	...	·2	9·2	5·5
26	...	...	·4	·1	...	·1	·1	...	...	...	·2	...	...	...	·5	...	...	·6	...	...	·4	...	...	·1	2·5	1·2
27	...	1·4	1·1	...	...	·3	...	...	...	1·0	·1	...	...	...	...	...	...	1·0	·3	·6	...	...	...	...	5·8	3·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	1·3	1·5	2·7	3·2	6·0	·8	...	...	16·1	6·8
29	...	·2	...	...	...	...	...	·2	...	...	...	...	...	...	...	·4	·2	·2	...	...	...	...	...	...	1·2	1·6
30	...	...	...	·3	·3	...	...	·1	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·4	1·2	0·8
31	·2	...	·5	·5	1·9	1·5	2·4	·8	·5	1·5	...	·4	...	...	...	·2	·6	·6	·3	...	·2	·2	·3	...	12·6	**8·0**
Sum.	2·2	9·0	12·3	4·8	9·9	5·5	6·2	4·8	7·0	9·7	1·4	1·7	2·1	2·2	5·6	5·6	12·8	**14·8**	8·1	12·4	9·8	1·8	3·1	4·9	157·7	79·8
Total Duration.	hr. 1·7	hr. 4·3	hr. 5·2	hr. 3·3	hr. 2·9	hr. 3·9	hr. 3·4	hr. 3·4	hr. 3·0	hr. 3·4	hr. 1·3	hr. 1·6	hr. 1·2	hr. 1·3	hr. 3·1	hr. 4·3	hr. 6·0	hr. **7·2**	hr. 5·0	hr. 4·6	hr. 3·2	hr. 1·8	hr. 2·1	hr. 2·6	hr. 79·8	

391. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **April, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·7	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·5
2	...	...	·4	2·7	·8	·7	·6	·2	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**6·0**	5·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·1	·7	·7	·1	3·0	3·1
4	·5	·6	·9	·1	·1	...	·3	·2	·2	1·2	·8	·1	...	...	...	·2	·1	...	...	...	...	...	...	...	5·3	**6·3**
5	·5	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	1·3	0·8
6	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	·4	...	...	...	·9	...	...	3·0	1·0
7	...	...	...	...	...	...	·2	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	·3	...	...	1·1	0·5
8	...	...	·2	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·5	...	...	...	...	2·4	1·8
9	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	·3	...	...	...	...	...	·3	·1	1·2	0·9
10	·5	·5	...	...	...	...	·7	·2	·3	...	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	3·1	1·9
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	...	...	...	...	0·3	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·3
14	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	·5	·2	·6	·1	...	·1	...	...	...	...	1·8	1·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	·1	·1	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·4
18	...	·3	·2	...	...	...	·5	·1	·1	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	1·5	1·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	·4	·4	·7	·4	·1	...	...	...	...	...	...	·3	2·3	1·9
23	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	·3	...	...	...	...	...	...	...	...	0·5	0·5
26	...	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	2·2	1·4	3·6	**3·9**	1·2	0·7	3·1	1·3	1·2	1·7	1·1	0·7	0·8	1·0	1·9	1·1	1·2	0·5	1·0	1·0	1·1	2·1	1·2	0·8	35·8	29·5
Total Duration.	hr. 1·2	hr. 1·5	hr. **3·1**	hr. 2·4	hr. 2·1	hr. 1·0	hr. 2·7	hr. 1·6	hr. 1·1	hr. 0·9	hr. 1·1	hr. 0·5	hr. 0·5	hr. 0·9	hr. 1·3	hr. 0·9	hr. 0·5	hr. 0·2	hr. 0·9	hr. 1·1	hr. 1·0	hr. 1·1	hr. 1·2	hr. 0·7	hr. 29·5	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

392. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **May, 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	0–24	Duration 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·3	·1	·2	·8	·4	1·5	3·8	2·5	2·8	2·8	**16·4**	**7·0**
2	3·5	3·4	1·8	...	...	...	·1	·3	·1	·2	·6	·1	·1	...	...	...	...	...	...	...	...	...	...	·5	10·7	4·6
3	2·5	1·5	·9	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	3·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·7	1·5	1·1	3·3	1·8	...	...	...	...	...	...	9·6	4·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·7
14	...	...	...	...	...	...	...	...	...	·2	1·0	1·0	·7	1·1	·2	...	...	...	...	...	...	...	...	...	4·2	4·1
15	...	...	...	...	·6	1·2	·8	·5	·3	·3	1·2	·8	1·4	2·4	1·5	...	...	...	...	...	...	...	...	...	11·0	8·7
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	0·2
21	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum	**6·0**	4·9	3·9	0·8	0·6	1·2	1·3	0·8	0·4	0·8	2·9	1·9	2·4	5·4	4·5	1·2	3·5	2·6	0·5	1·5	3·8	2·5	2·8	3·3	59·5	
Total Duration.	hr. 1·8	hr. 1·9	hr. 2·0	hr. 0·8	hr. 0·4	hr. 1·0	hrl 1·3	hr. 1·3	hr. 1·1	hr. 0·8	hr. 2·4	hrl 2·0	hr. 1·9	hr. **3·1**	hr. 2·6	hr. 0·8	hr. 1·2	hr. 1·4	hr. 0·9	hr. 0·4	hr. 1·0	hr. 1·0	hr. 0·8	hr. 1·5	hr. 33·4	

393. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **June, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	·5	·2	·2	2·5	·6	·5	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	4·9	4·9
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	·6	·4	·2	·2	2·2	5·4
5	·3	·1	·1	1·9	1·9	4·1	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·8	**7·5**
6	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
7	...	...	...	...	...	...	...	1·1	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	3·1	1·2
8	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
9	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	·7	...	...	·3	2·5	1·0	...	...	4·7	3·9
10	·2	...	·6	...	·2	·8	·6	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	4·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	·6	·1	...	1·3	2·5	
16	...	...	·7	4·0	8·0	6·0	3·3	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**23·2**	5·4
17	...	3·8	...	...	...	...	·1	...	·1	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	4·2	1·5
18	·2	...	...	...	...	...	...	...	...	·3	·8	·9	1·2	2·4	·2	...	...	...	...	...	...	...	...	...	6·0	4·7
19	...	·1	...	...	·6	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·8
20	...	...	...	...	...	·2	·9	1·0	2·1	·9	2·3	1·1	·6	...	...	...	...	...	...	...	...	...	...	...	9·1	7·0
21	...	...	...	...	...	·4	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·2
22	...	...	...	...	...	...	...	...	...	...	·2	·2	·1	·1	·9	...	...	·1	...	...	...	·2	...	·3	2·1	3·3
23	...	·2	...	...	...	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·8	·9	2·3	5·9	3·7
24	1·9	1·8	·3	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·6	3·2
25	...	...	...	...	...	·8	·4	·1	...	...	·2	...	...	...	1·9	...	·2	·3	·1	·1	·1	...	...	...	4·2	5·6
26	...	...	...	...	·1	·4	...	·1	...	...	...	...	...	...	·1	·3	1·1	...	...	...	...	...	·1	...	2·2	2·0
27	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	·2	0·4	1·3
29	·4	·3	...	...	·4	...	...	...	·6	...	...	·5	...	...	...	...	...	·2	·6	·2	...	...	...	...	3·2	5·1
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·0	6·3	2·2	6·7	11·5	**16·3**	6·5	5·4	4·6	1·6	3·7	2·7	2·0	2·5	3·1	0·4	2·0	0·7	1·1	1·2	4·3	3·0	1·4	3·1	95·3	75·2
Total Duration.	hr. 3·3	hr. 4·2	hr. 3·4	hr. 3·4	hr. 4·6	**6·3**	hr. 5·4	hr. 5·6	hr. 2·4	hr. 1·6	hr. 3·1	hr. 3·2	hr. 2·6	hr. 1·2	hr. 1·4	hr. 0·6	hr. 1·9	hr. 1·7	hr. 2·7	hr. 3·3	hr. 4·0	hr. 3·4	hr. 3·0	hr. 2·9	hr. 75·2	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

394. Cahirciveen (Valentia) Observatory : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **July, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	·2	·6	·8	·4	·1	·1	...	·2	...	...	...	...	...	·6	3·7	2·8	5·7	4·5	·7	·8	·8	2·0	1·4	...	**25·4**	**12·7**
4	...	·1	·4	1·0	·7	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	2·2
5	·1	·1	·5	·9	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·3	·3	·4	1·0	·1	·5	...	7·7	5·7
6	...	·4	...	...	...	...	·5	1·6	·7	·1	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	3·8	2·1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·7	1·6	...	·3	·4	·4	...	...	4·8	3·8
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6
11	·1	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	2·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	·7	·6	·4	·5	...	·5	·6	·2	·1	...	...	...	·3	·4	·4	·2	·9	1·2	...	7·0	9·2
20	·2	...	·5	...	·2	·1	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·2	·3	...	1·7	4·0
21	...	...	...	...	...	...	·1	·7	2·0	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	2·4
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·1	·4	·1	...	...	1·0	4·0
24	...	·2	·1	·1	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	2·6
25	...	...	...	...	...	·4	1·0	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·1	2·5	3·5
26	2·6	1·2	1·3	·8	...	...	·1	...	1·8	3·7	·9	1·3	·2	...	...	...	...	...	...	·7	2·0	2·5	...	·1	19·2	8·6
27	...	...	...	...	·4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	...	1·3	1·0
28	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·3
29	...	...	...	...	1·0	1·3	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	4·3	2·4
30	·8	·4	·3	...	...	·1	...	...	·2	1·3	·3	...	...	...	...	...	·2	·1	...	...	...	·2	...	...	3·9	4·1
31	...	...	...	...	...	...	...	...	·5	·5	...	·1	1·6	1·8	...	...	·2	·4	1·6	·1	·9	...	...	·1	7·8	2·5
Sum.	4·9	3·3	4·1	3·3	2·6	2·7	3·5	3·2	5·9	6·3	1·8	2·5	2·0	2·5	3·7	3·2	**10·3**	8·4	3·2	2·8	5·7	6·4	5·0	1·9	99·2	73·9
Total Duration.	hr. 3·3	hr. 4·7	hr. 5·2	hr. 2·5	hr. 2·2	hr. 3·0	hr. 5·1	hr. 4·7	hr. 3·0	hr. 2·9	hr. 2·2	hr. 1·5	hr. 0·6	hr. 1·0	hr. 1·0	hr. 1·1	hr. 3·0	hr. 3·6	hr. 3·5	hr. 5·1	hr. **6·1**	hr. 4·6	hr. 2·6	hr. 1·4	hr. 73·9	

395. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **August, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	1·0	·3	·1	·9	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	0·9
2	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	·1	·7	·8	·6	1·0	1·2	·2	...	...	·1	·2	...	·2	·2	5·3	7·1
7	·3	·6	·3	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	·1	...	...	·5	...	·2	2·2	2·9
8	...	...	·2	·3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	·3	·9	2·1	2·1
10	·3	·2	...	...	·4	·5	·7	·3	2·2	·3	...	...	...	...	...	...	...	·4	·7	·2	·2	·6	·2	...	7·2	7·1
11	...	...	...	...	...	...	...	...	·3	...	2·8	·1	·1	...	...	·6	3·4	·3	...	...	...	·2	...	...	7·8	3·6
12	...	·3	...	·3	·2	·5	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·9
13	...	...	...	...	...	...	1·6	1·4	·2	·1	·4	...	...	...	·1	·1	·2	...	...	...	·3	·2	...	·1	4·7	4·0
14	·1	·1	·3	·4	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	·2	1·4	...	...	·1	...	2·9	3·6
15	...	...	...	...	...	...	·4	·3	...	...	·3	...	...	...	...	·2	...	...	·3	...	...	...	...	...	1·5	1·4
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	·4	4·6	...	·4	...	...	...	...	...	...	...	...	...	...	...	1·1	2·0	...	·1	1·7	·5	·1	...	10·9	3·7
18	...	...	...	...	...	...	2·1	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	2·8	1·3
19	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·6	1·3	·4	2·0	3·0	9·1	5·1
20	2·0	8·2	5·3	2·8	·8	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	**19·7**	5·0
21	...	...	·3	1·5	·4	·9	·2	1·3	·7	·4	·4	·5	·2	·3	...	1·1	...	·1	·1	·2	·5	·5	...	1·1	10·7	**8·2**
22	...	...	...	...	·5	...	...	...	...	...	·3	·2	...	...	...	...	...	...	...	...	...	·2	...	...	1·2	1·1
23	...	...	...	...	·6	...	·1	...	...	·1	·1	·3	·5	...	...	...	...	...	...	...	...	...	...	...	1·7	2·1
24	...	...	...	·1	2·5	·9	1·7	...	·2	...	...	...	4·4	·7	·1	...	...	...	·1	·2	...	·1	·2	...	11·2	4·4
25	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·3	0·4
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	·5	1·4	·4	...	·2	·6	·3	...	...	...	...	...	...	...	...	·1	2·0	1·7	·9	2·3	2·5	12·9	8·1
28	1·0	2·5	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9	2·5
29	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	·1	...	...	...	...	·3	·7	·1	1·4	1·6
Sum.	3·7	**12·3**	11·1	6·7	8·9	3·5	7·0	4·9	4·3	1·8	4·7	2·1	6·1	1·7	1·2	3·3	5·0	2·8	2·2	5·8	6·2	5·2	6·1	8·5	125·1	79·0
Total Duration.	hr. 4·1	hr. 5·1	hr. 2·8	hr. 4·0	hr. 4·5	hr. 3·7	hr. 3·9	hr. 3·3	hr. 2·3	hr. 2·3	hr. 2·8	hr. 2·2	hr. 3·4	hr. 1·9	hr. 1·4	hr. 2·6	hr. 1·9	hr. 2·2	hr. 2·1	hr. 3·9	hr. 5·2	hr. **5·4**	hr. 3·0	hr. 5·0	hr. 79·0	
Hour G. M. T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

396. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **September, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·4	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·6
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	1·4	1·0	2·0	1·8	·2	2·5	1·8	2·3	1·9	15·0	8·3
5	2·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	2·9	2·2
6	...	...	·5	2·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	0·5
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·0	1·0	·7	·3	·1	3·3	5·7
8	·1	·1	·8	2·4	·5	·1	...	·1	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	...	·1	...	4·6	6·0
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·2	·5	·1	·4	...	1·0	·6	·4	...	·4	...	·1	...	·1	·5	...	...	...	...	...	4·3	2·4
11	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·4	0·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	2·3	·2	·3	...	...	3·5	3·5
13	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·2	·2	...	1·3	2·1
14	...	·1	·1	·1	·2	·3	·3	·3	·5	·6	·1	...	...	...	...	...	·4	...	...	...	...	...	...	...	3·0	8·3
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·1	·4	·7	·4	·3	·5	·1	·5	...	3·7	5·9
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	·2	·7	·3	1·0	·3	...	...	...	...	...	2·5	1·4	...	...	·7	·4	·6	·8	·3	·2	...	...	...	9·4	9·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·1
20	·7	·4	...	·4	·4	1·0	1·3	1·3	1·0	·1	·1	...	...	...	...	...	1·3	3·5	...	·8	1·2	1·0	3·3	3·3	**21·1**	**12·1**
21	2·5	1·6	2·2	1·0	1·2	·4	·8	·3	·9	·2	·3	1·0	...	...	...	...	·1	·2	...	·2	...	...	...	...	12·9	10·1
22	...	...	...	...	1·2	·6	·3	·3	·4	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	3·8	1·7
23	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·7	...	...	·2	...	...	...	1·0	0·6
24	·3	...	·1	·4	·9	...	·1	...	·2	...	...	...	...	1·5	·6	...	...	...	1·0	...	·2	·1	·5	1·1	7·0	5·2
25	·2	·3	...	·5	·6	...	...	...	...	...	·1	...	·1	...	...	...	·1	·1	...	...	...	·1	...	1·5	3·6	2·5
26	·2	1·2	...	·7	·5	·1	...	...	...	...	·1	...	·2	...	...	·5	...	...	...	...	·5	·1	·1	...	4·2	3·3
27	...	...	...	...	·2	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
28	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	·2	·8	·6	·4	2·4	4·6	1·8	11·0	7·1
29	2·2	·4	·4	·1	·3	...	...	...	...	...	·4	...	·1	...	...	...	...	...	·1	·1	...	...	...	...	4·1	3·3
30	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·2	·9	·8	2·2	2·6
Sum.	8·9	4·6	4·8	8·7	7·2	3·5	3·1	2·9	3·0	1·9	1·8	5·1	2·0	2·2	1·3	2·8	3·9	8·2	6·3	6·3	7·3	7·1	**12·8**	10·7	126·4	104·7
Total Duration.	hr. 5·9	hr. 4·8	hr. 5·1	hr. 4·9	hr. 6·6	hr. 5·1	hr. 4·4	hr. 3·0	hr. 3·2	hr. 1·6	hr. 2·0	hr. 2·2	hr. 1·6	hr. 1·2	hr. 0·7	hr. 2·3	hr. 3·8	hr. 5·1	hr. 5·7	hr. 7·2	hr. **8·3**	hr. 6·4	hr. 7·4	hr. 6·2	hr. 104·7	

397. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **October, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	2·4	1·0	·8	·7	·5	·4	2·0	5·4	2·3	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	·1	16·0	**11·3**
2	...	·6	1·0	...	...	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	2·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	·4	·3	...	...	...	·2	·8	·9	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	4·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·4
16	...	...	...	...	...	...	·1	·1	...	...	·1	...	...	...	...	...	...	...	·1	...	...	...	...	·1	0·5	2·1
17	...	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8
18	...	...	...	...	...	...	·1	...	...	...	...	...	...	·3	...	...	...	...	...	·1	·5	·6	·2	...	1·8	1·7
19	1·2	...	·2	...	...	·2	...	...	·1	·2	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	2·0	0·9
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·4	·3	2·0	2·0	1·3	...	...	6·8	6·5
21	...	...	...	...	...	...	...	...	...	...	·5	1·4	1·8	·5	1·3	...	·2	...	...	...	...	...	...	·1	5·8	3·6
22	·1	...	·1	·7	...	·4	...	...	...	...	...	...	...	...	...	...	...	·2	...	·3	·9	...	...	...	2·7	1·8
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	·2	·2	·3	2·1	·9	·7	...	...	·5	·8	1·9	·2	·9	4·7	·1	·1	·2	13·8	10·5
25	·4	...	...	·7	...	...	·3	...	...	...	...	...	...	·1	·8	·1	...	...	·3	1·0	...	...	...	...	3·7	2·7
26	...	...	...	...	2·0	2·0	·9	·7	·2	·2	...	...	...	...	...	...	...	·4	...	·7	...	...	2·8	1·4	11·3	6·6
27	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	...	0·9	0·6
28	...	...	·2	2·0	4·8	4·7	3·5	·4	2·0	·3	...	·3	...	·4	·8	·2	1·0	·8	·2	...	...	...	...	...	**21·6**	9·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	·1	·8	1·0	·1	...	·4	·3	7·1	1·6	4·3	...	...	·6	...	...	...	...	...	...	...	...	...	·1	...	16·4	5·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	4·9	2·8	3·3	4·3	7·3	8·3	8·1	**15·3**	6·5	5·5	2·7	2·6	3·2	1·3	2·9	1·0	2·6	3·7	1·1	5·3	8·5	2·1	3·5	1·9	108·7	71·0
Total Duration.	hr. 2·7	hr. 3·0	hr. 3·2	hr. 3·4	hr. 2·3	hr. 3·8	hr. 5·1	hr. 5·2	hr **5·4**	hr. 2·7	hr. 1·2	hr. 1·8	hr. 2·2	hr. 1·7	hr. 1·9	hr. 1·2	hr. 2·1	hr. 3·4	hr. 2·8	hr. 3·8	hr. 3·1	hr. 2·7	hr. 3·6	hr. 2·7	hr. 71·0	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

398. Cahirciveen (Valentia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metre. **November, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·1	1·0	·5	·9	1·1	3·0	2·8	4·3	3·0	2·0	·8	·6	·4	…	·2	·4	1·8	…	·2	·1	·1	…	…	…	**23·3**	**15·3**
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	·5	·7	·6	·4	·3	·5	·5	·1	4·0	6·9
3	3·5	1·5	2·0	·3	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	7·5	3·9
4	…	…	·2	…	…	…	·5	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	0·9	0·5
5	…	…	…	…	…	…	…	·3	…	…	…	·2	·4	·3	…	·2	…	…	…	·2	…	1·0	·1	…	2·7	2·5
6	·1	·3	·1	…	·5	1·7	1·8	…	…	·1	·1	·3	…	…	…	·2	·4	…	·3	·4	·2	…	·2	·2	6·9	5·6
7	·1	1·3	·5	2·4	1·5	·2	·3	…	…	…	…	…	…	…	·2	…	·2	…	…	1·2	…	…	…	…	7·9	3·2
8	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
9	…	…	…	…	…	…	…	…	…	…	…	·2	·7	…	·2	…	…	…	…	·3	…	·3	·2	·3	2·2	1·9
10	…	…	…	·4	…	…	…	…	·3	·2	…	·1	·2	…	…	·2	·5	·2	·2	…	…	…	…	…	2·3	3·1
11	·1	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·4	0·4
12	…	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·2	0·4
13	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	·5	0·6	0·4
15	…	…	…	…	…	…	…	·2	…	·5	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	0·8	0·5
16	…	·2	·5	…	…	…	…	…	…	…	·2	·1	…	…	…	…	…	…	…	…	…	…	…	…	1·0	1·6
17	…	…	1·1	·2	·4	·7	·6	2·8	·1	…	…	…	…	…	…	…	·6	·6	…	…	·4	2·6	1·0	·8	11·9	10·3
18	·5	·4	·1	·3	·8	·2	…	…	1·1	…	…	…	…	·2	…	1·1	·2	·2	·7	·6	…	·2	…	…	6·6	4·9
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
20	…	·9	1·2	1·2	·5	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·9	4·0
21	…	…	…	…	·4	·2	·2	·1	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·1	2·0
22	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
23	…	…	·4	·4	·2	1·0	·7	·9	1·1	·2	·9	·1	·2	·9	1·0	1·0	·3	·1	·2	…	…	…	…	…	9·6	14·0
24	…	…	…	…	…	…	…	…	1·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·4	0·2
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	·1	…	…	…	…	·1	…	…	…	·1	·4	·3	·2	·2	·3	·7	2·0	3·0	1·2	·3	·1	9·0	10·5
27	1·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·2	0·2
28	…	…	…	…	…	…	…	…	…	…	…	·1	·2	2·0	3·9	·7	…	·3	·4	·1	…	·2	…	·1	8·0	3·5
29	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·2	0·1
30	…	…	…	·1	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·2	…
Sum.	5·6	5·7	6·7	6·6	5·6	7·1	7·1	8·6	**7·5**	3·0	2·3	1·7	2·2	3·8	5·8	4·4	4·7	2·4	3·3	5·4	4·0	6·0	2·3	2·1	113·9	95·9
Total Duration.	hr. 2·0	hr. 4·4	hr. 6·7	hr. **6·7**	hr. 5·5	hr. 4·2	hr. 4·8	hr. 4·0	hr. 3·9	hr. 1·6	hr. 2·4	hr. 2·8	hr. 2·6	hr. 3·3	hr. 3·8	hr. 4·8	hr. 5·2	hr. 4·8	hr. 5·3	hr. 4·5	hr. 3·0	hr. 4·1	hr. 2·9	hr. 2·6	hr. 95·9	

399. Cahirciveen (Valentia Observatory) : H_r = 9·1 metres + 0·5 metre. **December, 1927.**

	mm.	mm.	m.m	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·7	0·7	0·6
2	·1	·1	…	·4	1·2	·5	·4	·3	·2	…	·3	·4	·2	·2	·3	·2	·3	·1	·5	·2	·1	·4	·3	…	6·7	**15·3**
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	…	…	…	·2	·6	·1	·3		1·3	1·7
4	…	…	·1	…	…	…	…	…	…	·6	·1	·2	2·9	…	…	…	…	…	…	…	…	…	…		3·9	2·2
5	…	…	…	…	…	…	…	…	…	…	·5	…	·4	1·7	·1	·3	2·7	6·2	5·0	1·0	1·1	…	…	…	19·0	7·0
6	…	…	·2	·1	·2	1·9	5·1	…	…	…	·6	·4	…	…	…	…	…	…	…	…	…	…	…	…	8·5	3·1
7	·1	·3	…	·3	…	1·5	·9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·1	1·7
8	…	…	…	…	…	…	…	…	…	·7	1·9	1·2	3·2	1·3	2·8	·6	1·3	1·6	2·0	·2	·6	…	…	…	17·4	8·8
9	…	…	…	…	…	…	…	…	…	…	·8	3·9	·2	…	…	…	…	1·2	…	…	…	·1	·2	2·3	8·7	3·2
10	·6	·3	·2	…	…	2·8	1·7	·2	·6	2·5	4·7	1·8	3·8	·7	1·0	·8	…	…	·1	…	…	…	…	…	**21·8**	11·0
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·0	1·7	·4	…	…	…	4·1	2·4
14	…	…	…	1·4	·9	·4	…	…	…	…	·1	…	…	·2	1·5	…	…	·1	…	·1	…	…	…	…	4·7	3·2
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	…	…	0·2	0·2
16	…	…	…	…	·6	·7	·6	·7	·8	1·0	·2	·2	·5	·5	·3	·5	·3	…	…	·9	1·4	…	…	…	9·2	13·5
17	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
19	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·2	…	·1	·3	·8	·3	·1	…	…	·2	2·1	3·6
20	1·9	1·0	1·4	·1	…	…	·1	…	…	·3	·1	·3	·4	·5	·7	·8	…	…	·9	·1	·1	…	…	·3	9·0	8·0
21	·2	·5	·5	·2	·4	1·1	·2	·1	…	·1	·1	…	…	…	…	…	…	·1	·5	·9	1·8	·4	3·5	4·4	15·0	9·6
22	7·0	4·3	2·7	·2	…	…	…	…	…	…	…	…	…	…	…	…	1·6	…	…	…	…	…	…	…	15·8	3·6
23	…	…	…	1·0	·7	·2	…	…	…	·7	·3	·2	·9	·5	…	…	…	·5	·2	…	·1	·3	·9	·5	7·0	8·4
24	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
25	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
27	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
28	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
29	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
30	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·0	·8	2·1	2·4	6·3	1·7
31	·6	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	0·7
Sum.	10·5	6·6	5·1	3·7	4·0	9·1	9·0	1·3	1·6	5·2	10·1	8·7	11·8	6·1	7·4	3·5	6·3	10·1	**12·0**	5·4	6·9	2·6	7·1	11·1	165·2	109·5
Total Duration.	hr. 3·8	hr. 3·7	hr. 3·5	hr. 2·3	hr. 5·1	hr. 5·7	hr. 5·3	hr. 2·5	hr. 1·8	hr. 3·1	hr. 5·1	hr. 6·0	hr. 5·9	hr. 5·8	hr. **6·9**	hr. 5·9	hr. 4·1	hr. 4·6	hr. 6·4	hr. 5·3	hr. 4·9	hr. 3·5	hr. 3·2	hr. 5·1	hr. 109·5	
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	

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

400. Cahirciveen (Valentia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

January, 1927.

Hour. L.A.T.	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.	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	—	—	—	—	—	...	·1	·9	·2	·1	·6	·1	...	—	—	—	—	—	2·0	26
4	—	—	—	—	—	...	·3	·2	·1	·8	1·0	...	...	—	—	—	—	—	2·4	31
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	·4	·7	·6	·3	·2	...	...	—	—	—	—	—	2·2	28
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
10	—	—	—	—	—	...	...	·2	...	...	...	...	...	—	—	—	—	—	0·2	3
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	...	·1	...	·1	...	·1	·1	...	...	—	—	—	—	0·4	5
15	—	—	—	—	...	...	·5	·2	·2	·2	·5	·2	...	...	—	—	—	—	1·8	22
16	—	—	—	—	...	...	...	...	·1	·2	·4	·1	...	...	—	—	—	—	0·8	10
17	—	—	—	—	...	...	·9	·6	·3	1·0	·2	·1	...	...	—	—	—	—	3·1	37
18	—	—	—	—	...	...	1·0	1·0	·9	·2	·9	·4	·1	...	—	—	—	—	**4·5**	**54**
19	—	—	—	—	...	...	·1	1·0	1·0	·5	·2	...	...	...	—	—	—	—	2·8	34
20	—	—	—	—	...	...	...	·1	·2	·7	·5	·4	·1	...	—	—	—	—	2·0	24
21	—	—	—	—	...	...	·1	·5	·5	·8	·4	·3	...	...	—	—	—	—	2·6	30
22	—	—	—	—	...	...	...	·1	·1	·2	...	...	...	...	—	—	—	—	0·4	5
23	—	—	—	—	...	...	...	·2	·1	·4	·8	...	...	...	—	—	—	—	1·5	18
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
25	—	—	—	—	...	...	·5	1·0	·8	·5	·6	...	...	...	—	—	—	—	3·4	39
26	—	—	—	—	...	...	...	...	·1	·9	·7	...	·1	...	—	—	—	—	1·8	21
27	—	—	—	—	...	...	...	·5	·7	·6	·6	·6	·1	...	—	—	—	—	3·1	35
28	—	—	—	—	...	...	...	...	...	...	...	·6	...	...	—	—	—	—	0·6	7
29	—	—	—	—	...	...	...	...	...	·2	...	...	...	...	—	—	—	—	0·2	2
30	—	—	—	—	...	...	·4	·5	...	...	·5	...	...	...	—	—	—	—	1·4	16
31	—	—	—	—	...	·2	...	...	...	...	...	...	...	...	—	—	—	—	0·2	2
Sum.	—	—	—	—	0·0	0·2	4·4	7·7	6·0	7·7	**8·2**	2·9	0·4	0·0	—	—	—	—	37·5	—
Mean	—	—	—	—	0·00	0·01	0·14	0·25	0·19	0·25	**0·26**	0·09	0·01	0·00	—	—	—	—	1·21	15

401. Cahirciveen (Valentia Observatory) : h_s = 12·8 metres. **February, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	...	...	...	...	·2	...	·7	...	—	—	—	—	0·9	10
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
4	—	—	—	—	...	·7	1·0	1·0	1·0	1·0	·9	·5	...	...	—	—	—	—	6·1	66
5	—	—	—	—	...	...	...	...	·9	1·0	1·0	1·0	·5	...	—	—	—	—	4·4	48
6	—	—	—	—	...	·5	1·0	1·0	1·0	1·0	·8	1·0	·9	...	—	—	—	—	7·2	77
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
10	—	—	—	—	...	...	·1	·2	·7	·9	...	·2	...	...	—	—	—	—	2·1	22
11	—	—	—	—	...	...	·5	...	...	...	·2	·4	·4	...	—	—	—	—	1·5	16
12	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	·1	...	...	—	—	—	—	5·7	59
13	—	—	—	—	...	...	...	...	...	·1	·4	1·0	·3	...	—	—	—	—	1·8	18
14	—	—	—	—	...	...	·4	·4	·3	...	...	...	...	...	—	—	—	—	1·1	11
15	—	—	—	—	...	...	·2	·7	·3	·2	·4	·5	·9	·2	—	—	—	—	3·4	34
16	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	**8·5**	**85**
17	—	—	—	—	...	·1	·8	1·0	1·0	·9	1·0	·4	...	...	—	—	—	—	5·2	52
18	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	·2	...	...	—	—	—	0·2	2
21	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
22	—	—	—	...	...	...	...	·1	·4	·7	·1	...	...	...	...	—	—	—	1·3	13
23	—	—	—	...	·2	·8	·5	·7	1·0	1·0	·9	1·0	·5	...	...	—	—	—	6·6	64
24	—	—	—	...	·3	1·0	1·0	1·0	·9	1·0	·1	...	...	...	...	—	—	—	5·3	51
25	—	—	—	...	...	·2	·9	·9	·8	·6	1·0	·8	·1	...	...	—	—	—	5·3	50
26	—	—	—	...	...	...	...	...	...	...	·2	...	...	...	...	—	—	—	0·2	2
27	—	—	—	...	...	·4	·8	1·0	1·0	1·0	·7	·4	·2	...	...	—	—	—	5·5	52
28	—	—	—	...	...	·1	·6	·1	·5	·1	·1	...	...	...	...	—	—	—	1·5	14
Sum.	—	—	—	0·0	0·5	5·4	9·8	10·1	**11·8**	11·5	10·0	8·3	5·7	0·7	0·0	—	—	—	73·8	—
Mean	—	—	—	0·00	0·02	0·19	0·35	0·36	**0·42**	0·41	0·36	0·30	0·20	0·03	0·00	—	—	—	2·64	27

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

402. Cahirciveen (Valentia Observatory) : h_s (height of recorder above ground) = 12·8 metres. **March, 1927.**

Hour. L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	·5	1·0	1·0	1·0	·6	·7	...	—	—	—	4·8	48
2	—	—	—	...	...	...	...	...	...	·3	1·0	·9	1·0	·2	...	—	—	—	3·4	31
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
4	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	—	0·1	1
5	—	—	—	...	...	...	...	·5	·4	·9	·6	·4	·1	...	...	—	—	—	2·9	26
6	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
7	—	—	—	...	·2	·2	1·0	·5	·7	·2	·3	·5	·4	·2	...	—	—	—	4·2	38
8	—	—	—	...	·5	·8	1·0	1·0	1·0	1·0	·7	·6	·8	·4	·1	—	—	—	7·9	70
9	—	—	—	...	...	·8	·3	·8	·8	·6	·7	·8	·9	·4	...	—	—	—	6·1	54
10	—	—	—	...	...	·1	·4	·7	1·0	·8	·1	·5	·3	·3	...	—	—	—	4·2	37
11	—	—	—	...	·1	1·0	1·0	·7	·3	1·0	·4	·6	·8	1·0	·1	—	—	—	7·0	61
12	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·3	·7	·6	·1	—	—	—	**8·3**	**72**
13	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·6	·2	·2	...	—	—	—	7·7	67
14	—	—	—	...	·8	1·0	·6	·1	·8	·3	...	...	...	...	...	—	—	—	3·6	31
15	—	—	—	...	...	...	...	...	...	...	...	...	·2	·8	...	—	—	—	1·0	9
16	—	—	—	...	·1	1·0	1·0	1·0	1·0	·7	·8	·8	·7	...	...	—	—	—	7·1	60
17	—	—	—	...	...	...	...	·1	·4	·2	·5	...	·2	·1	...	—	—	—	1·5	13
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
20	—	—	—	...	...	...	·6	·6	·6	·9	·1	·6	·8	·9	...	—	—	—	5·1	42
21	—	—	...	...	...	...	...	...	·8	1·0	·9	...	·4	...	...	...	—	—	3·1	26
22	—	—	...	...	·7	·8	1·0	·3	·7	·1	...	...	...	...	...	...	—	—	3·6	30
23	—	—	...	...	...	...	...	...	·2	1·0	1·0	·9	·1	...	...	...	—	—	3·2	26
24	—	—	...	...	...	·8	·7	·1	·6	·2	...	·7	·6	·1	...	...	—	—	3·8	31
25	—	—	...	...	...	...	...	...	·7	·8	...	...	·7	·5	·4	...	—	—	3·1	25
26	—	—	...	·2	·4	·4	·5	·7	·6	1·0	·3	·2	...	·6	·3	...	—	—	5·2	42
27	—	—	...	...	·5	·6	·4	·8	·8	·9	·8	1·0	·7	...	...	...	—	—	6·5	52
28	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
29	—	—	...	...	...	·8	1·0	1·0	·6	·6	·2	...	...	...	...	...	—	—	4·2	33
30	—	—	...	·2	·8	·6	·7	·9	·9	·6	·6	·9	·8	...	...	...	—	—	7·0	55
31	—	—	...	...	...	...	·4	·5	·6	·5	·8	·4	...	...	...	...	—	—	3·2	25
Sum.	—	—	0·0	0·4	5·5	10·9	12·6	12·3	16·0	**16·7**	12·7	11·7	11·0	7·0	1·0	0·0	—	—	117·8	—
Mean.	—	—	0·00	0·01	0·18	0·35	0·41	0·40	0·52	**0·54**	0·41	0·38	0·35	0·23	0·03	0·00	—	—	3·80	32

403. Cahirciveen (Valentia Observatory) : h_s = 12·8 metres. **April, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	·3	·7	1·0	1·0	·7	1·0	1·0	·7	·1	...	...	...	...	—	—	6·5	50
2	—	—	...	...	...	...	...	...	...	...	·6	1·0	·6	1·0	·6	...	—	—	3·8	29
3	—	—	...	·2	1·0	1·0	1·0	·8	·3	...	...	...	...	...	...	...	—	—	4·3	33
4	—	—	...	...	...	...	...	...	...	·2	·4	·8	·8	·8	·2	...	—	—	3·2	24
5	—	—	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	—	—	0·2	2
6	—	—	...	·5	·8	1·0	1·0	1·0	·7	·3	·4	...	...	·2	·3	...	—	—	6·2	47
7	—	—	...	·1	·5	·8	·5	·9	·9	·7	·7	1·0	·7	...	...	...	—	—	6·8	51
8	—	—	...	·4	·7	·5	·9	·8	1·0	1·0	1·0	1·0	·8	·6	·2	...	—	—	8·9	67
9	—	—	...	·3	·4	·7	·9	·7	·8	·8	1·0	·9	·7	·3	·7	...	—	—	8·2	61
10	—	—	...	·4	...	·1	·9	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	9·2	68
11	—	—	...	...	...	...	...	·1	·4	·3	...	...	...	...	...	...	—	—	0·8	6
12	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·1	1
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
14	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
15	—	—	...	·7	·4	·5	·7	1·0	·9	·6	·4	1·0	·8	·7	·6	...	—	—	8·3	60
16	—	—	...	...	...	...	...	·2	...	·2	·1	·1	...	...	...	...	—	—	0·6	**4**
17	—	—	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	—	—	0·2	**1**
18	—	—	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	—	—	0·1	1
19	—	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	—	0·1	1
20	—	...	...	·3	·9	1·0	1·0	1·0	·9	1·0	·9	·4	...	...	...	...	...	—	7·4	53
21	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
22	—	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	·1	...	—	0·8	6
23	—	...	·2	·7	1·0	·8	·5	·9	1·0	·9	·1	·2	...	...	...	...	...	—	6·3	44
24	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	—	0·1	1
25	—	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	—	0·2	1
26	—	...	...	·2	·3	·3	·2	·2	...	...	·3	·8	1·0	1·0	1·0	·8	...	—	6·1	42
27	—	...	·2	·8	·1	...	...	...	...	·6	·9	1·0	·6	·8	·5	·8	...	—	6·3	43
28	—	...	1·0	1·0	1·0	·7	...	...	·6	·4	·1	...	·2	...	...	...	...	—	5·0	34
29	—	...	·9	1·0	1·0	·7	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	**13·1**	**89**
30	—	...	...	...	·1	·8	·8	·7	1·0	·3	·2	...	...	...	...	...	...	—	3·9	26
Sum.	—	0·0	2·3	6·9	8·9	10·0	10·2	10·7	**11·5**	10·5	10·0	10·4	8·2	8·2	6·2	2·7	0·0	—	116·7	—
Mean.	—	0·00	0·08	0·23	0·30	0·33	0·34	0·36	**0·38**	0·35	0·33	0·35	0·27	0·27	0·21	0·09	0·00	—	3·89	28

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

404. Cahirciveen (Valentia Observatory) : h_s (height of recorder above ground) = 12·8 metres. **May, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
2	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
3	—	...	...	...	...	...	...	·3	·8	·3	...	...	...	...	·1	·9	...	—	2·4	16
4	—	...	...	...	...	...	...	·4	·3	·1	·1	·4	·7	·3	·7	·4	...	—	3·4	23
5	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·1	...	—	13·0	87
6	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	13·5	**88**
7	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	13·5	88
8	—	...	·7	1·0	1·0	1·0	1·0	·7	...	...	...	...	...	...	...	·1	...	—	5·5	36
9	—	...	...	...	...	·6	1·0	1·0	·6	·5	·9	1·0	1·0	1·0	·2	...	...	—	7·8	51
10	—	...	·2	·2	...	·3	·8	1·0	1·0	1·0	·4	·1	...	...	...	...	...	—	5·0	33
11	—	...	...	...	...	·2	...	...	·2	·7	·6	·6	·8	·6	·9	...	...	—	4·6	30
12	—	...	...	...	...	...	...	·3	1·0	1·0	1·0	·7	·9	·8	·3	·9	...	—	6·9	44
13	—	...	...	...	...	...	...	·1	·2	·9	1·0	·9	1·0	1·0	1·0	·6	...	—	6·7	43
14	—	...	...	...	...	...	...	...	...	...	...	...	·7	·6	·1	...	...	—	1·4	9
15	—	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	—	0·6	4
16	—	...	...	·1	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	12·4	79
17	—	·5	1·0	1·0	1·0	·3	·6	·7	·6	·9	1·0	1·0	1·0	1·0	·7	·1	...	—	11·4	73
18	—	·5	·5	·2	·2	·9	·9	·8	1·0	·9	·7	·9	1·0	·5	...	·2	·4	—	9·6	61
19	—	·5	1·0	1·0	1·0	1·0	1·0	·9	·8	·2	·8	1·0	1·0	1·0	1·0	1·0	...	—	13·2	84
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
21	—	...	...	...	·4	·1	·2	·2	·4	·7	·8	·7	·4	·5	·3	·5	...	—	5·2	33
22	—	...	...	·8	·8	·7	·9	1·0	·3	·6	1·0	·5	·9	·8	...	...	...	—	8·3	52
23	—	...	...	...	...	·1	...	...	...	·7	...	·1	...	·9	1·0	1·0	·1	—	3·9	24
24	—	...	...	·2	...	...	...	...	·3	1·0	1·0	·9	·7	·2	...	·1	...	—	4·4	28
25	—	·6	·7	1·0	·6	·1	...	...	...	...	...	...	...	...	...	...	...	—	3·0	19
26	—	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·4	...	...	—	9·6	60
27	...	...	·6	·4	·7	·9	·9	·7	1·0	·8	·7	·1	·2	·8	1·0	·4	·2	...	9·4	58
28	...	...	...	·4	1·0	1·0	1·0	1·0	·9	·7	·8	·5	...	·2	·1	·1	...	...	7·7	48
29	...	·5	1·0	...	·7	1·0	·8	·4	1·0	1·0	1·0	1·0	·9	...	...	...	...	...	9·3	57
30	...	...	...	...	...	...	...	·6	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	9·2	57
31	...	...	·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	·2	...	**13·9**	86
Sum.	0·0	2·8	9·1	10·3	12·9	14·2	15·1	16·1	17·4	**18·9**	18·8	17·4	18·2	17·3	13·6	10·7	2·0	0·0	214·8	—
Mean.	0·00	0·09	0·29	0·33	0·42	0·46	0·49	0·52	0·56	**0·61**	0·61	0·56	0·59	0·56	0·44	0·35	0·06	0·00	6·93	45

405. Cahirciveen (Valentia Observatory) : h_s = 12·8 metres. **June, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	·6	·1	·4	·8	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	·9	·5	...	**12·1**	**74**
2	...	·1	·7	·9	·9	·7	·6	·4	·6	1·0	·5	...	·6	·7	·9	·8	·3	...	9·7	60
3	...	...	...	...	·4	·9	·7	1·0	1·0	·8	·8	·9	·9	1·0	·8	1·0	·8	...	11·0	67
4	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2
5	...	...	...	...	...	...	...	...	...	·2	·6	·1	·3	·9	·4	·3	·2	...	3·0	18
6	...	·2	·2	·9	...	·1	·9	·6	·5	1·0	·9	·5	1·0	1·0	1·0	1·0	·3	...	10·1	62
7	...	...	·5	·3	·1	·4	·4	·6	·8	·9	1·0	·9	·7	·7	·9	·3	·7	...	9·2	56
8	...	...	...	·5	·5	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	11·0	67
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	·1	·9	·6	...	...	...	...	...	...	...	1·6	10
11	...	...	...	...	...	·6	·5	·6	·8	·3	·1	·5	1·0	1·0	·4	·4	...	...	6·2	37
12	...	·1	·7	·7	·1	·5	·8	·1	·6	·9	·2	·7	·1	1·0	·1	·2	...	...	6·8	41
13	...	...	...	...	·4	·2	...	·2	1·0	·8	...	·2	...	·4	·8	·9	·7	...	5·6	34
14	...	·7	1·0	1·0	1·0	1·0	·9	·9	1·0	·8	...	...	·6	·1	·9	·9	·2	...	11·0	66
15	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	0·6	4
16	...	...	...	...	...	·3	·5	·1	...	...	...	...	...	...	·2	...	...	...	1·1	7
17	...	...	·1	·6	·8	1·0	1·0	1·0	1·0	·8	·9	·1	·4	·5	·7	·7	·1	...	9·7	58
18	...	...	·6	·3	...	...	...	...	...	...	...	·6	·3	...	·5	·2	...	...	2·5	15
19	...	...	...	·4	·9	·7	·8	·9	·9	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	10·5	63
20	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·4	...	...	...	...	0·7	4
21	...	...	·5	·5	·5	·9	1·0	·8	·6	·6	1·0	·9	·9	·9	·9	·8	·1	...	10·9	51
22	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	·2	...	...	...	0·4	2
23	...	·1	·1	·5	·6	1·0	·2	...	...	...	...	·1	...	...	...	...	...	...	2·6	16
24	...	...	...	·1	...	·1	·1	·5	·4	·5	·9	1·0	1·0	·9	1·0	·7	·4	...	7·6	46
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	·1	·6	·8	1·0	1·0	1·0	·7	1·0	·3	·8	...	·5	·6	...	...	...	8·4	50
27	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·7	...	...	0·9	5
28	...	...	·1	·5	·9	·7	·7	·9	·8	...	...	...	...	...	...	...	...	...	4·6	28
29	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	...	...	...	0·2	1
30	...	...	·1	·9	·6	·3	...	...	·1	·1	·5	...	·1	...	...	...	...	...	2·7	16
Sum.	0·0	1·2	5·3	8·8	9·5	11·6	12·1	12·2	13 0	**13·4**	11·3	10·5	11·1	13·1	13·3	10·4	4·3	0·0	161·1	—
Mean.	0·00	0·04	0·18	0·29	0·32	0·39	0·40	0·41	0·43	**0·45**	0·38	0·35	0·37	0·44	0·44	0·35	0·14	0·00	5·37	32

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

406. Cahirciveen (Valentia Observatory) : h_s (height of recorder above ground) = 12·8 metres. **July, 1927.**

Hour L.A.T.	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.	Total for Day.	Percent of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	...	...	...	...	·1	·3	·1	...	...	...	...	...	...	0·5	3
2	...	...	...	...	...	...	...	...	·6	·8	·8	...	...	...	...	...	·2	...	2·4	14
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	·1	·7	·5	·6	·6	·7	·1	·1	·1	...	...	...	3·5	21
5	...	...	·6	·9	·7	1·0	1·0	1·0	·8	1·0	·9	·2	...	...	...	...	...	...	8·1	49
6	...	...	...	...	·1	·2	·4	·1	·4	·9	1·0	·5	·4	·1	...	...	...	...	4·1	25
7	...	...	·1	·2	·2	·9	·6	·5	·3	·7	·4	...	...	...	...	...	...	...	3·9	24
8	...	...	...	...	...	...	...	·3	·5	·3	·2	...	...	...	...	...	...	...	1·3	8
9	...	...	...	...	...	·1	·5	...	·2	·3	·5	·3	·1	...	...	...	...	...	2·0	12
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·3	1·0	·7	...	2·7	16
12	...	...	...	...	...	...	...	·1	...	·1	·3	·5	·1	...	...	...	...	...	1·1	7
13	...	...	·5	·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	·6	...	13·8	85
14	...	·5	1·0	·7	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	14·7	90
15	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	**14·9**	**92**
16	...	·5	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·2	...	14·3	88
17	...	...	...	·6	1·0	1·0	·3	·6	·1	·4	·3	·1	...	...	...	...	...	...	4·4	27
18	—	...	·9	1·0	1·0	·8	...	·9	1·0	·5	·1	·1	...	...	...	...	...	—	6·3	39
19	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	0·1	1
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
21	—	...	...	...	...	...	...	...	...	1·0	1·0	1·0	1·0	·8	1·0	·9	...	—	6·7	42
22	—	...	...	·2	...	·1	·1	...	...	·1	...	·2	·1	...	...	...	...	—	0·8	5
23	—	...	...	...	...	...	·3	·7	·6	·1	·2	...	...	...	...	...	...	—	1·9	12
24	—	...	...	...	...	1·0	·3	...	·1	·2	·8	·2	...	·3	...	...	...	—	2·9	18
25	—	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	—	0·2	1
26	—	...	...	...	...	...	...	...	...	...	·7	·4	·8	1·0	·2	...	...	—	3·1	20
27	—	...	...	·2	·1	·9	·3	·5	·1	·9	·7	1·0	·1	...	·1	...	...	—	4·9	31
28	—	...	·8	·6	·8	1·0	1·0	·3	·2	·2	...	...	...	...	...	...	...	—	4·9	31
29	—	...	...	...	...	...	·2	...	·1	...	·3	·5	·1	...	...	...	...	—	1·2	8
30	—	...	...	·1	...	...	·1	·1	·8	·7	·6	·4	·3	·1	...	...	...	—	3·2	21
31	—	...	·6	·7	...	...	·5	·5	·6	·7	·5	·5	...	·7	·7	·4	...	—	6·4	41
Sum.	0·0	1·6	6·5	7·9	7·7	10·9	9·6	10·3	10·9	13·6	**14·2**	10·8	7·5	7·6	6·3	6·2	2·7	0·0	134·3	—
Mean.	0·00	0·05	0·21	0·25	0·25	0·35	0·31	0·33	0·35	0·44	**0·46**	0·35	0·24	0·25	0·20	0·20	0·09	0·00	4·33	27

407. Cahirciveen (Valentia Observatory) : h_s = 12·8 metres. **August, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	·1	·5	·7	·2	...	·1	·1	·6	1·0	·6	·9	1·0	·3	...	—	6·1	40
2	—	...	...	...	·8	·2	·1	·8	·6	·9	·1	·4	·2	...	·6	...	...	—	4·7	31
3	—	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	—	0·3	2
4	—	·1	·4	·5	1·0	·9	·7	·9	·7	·1	·3	·2	·3	...	·5	·1	·1	—	6·8	38
5	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	·6	·9	·7	·1	—	**13·1**	86
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
7	—	...	...	·8	·8	·7	...	...	...	...	·1	·3	...	...	...	...	...	—	2·7	18
8	—	...	·2	...	...	...	·2	·5	·8	1·0	·6	·5	...	1·0	·9	·2	...	—	5·9	39
9	—	...	...	·5	·6	...	·1	...	...	...	...	...	·4	·3	·1	...	...	—	2·0	13
10	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
11	—	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	—	0·5	3
12	—	...	...	...	...	...	...	·1	...	·1	·1	...	...	...	...	...	...	—	0·3	2
13	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
14	—	...	...	...	...	...	·1	...	·2	·4	...	...	·5	·1	·3	...	...	—	1·6	11
15	—	...	...	...	...	...	·1	·2	...	...	·6	...	·9	·4	·2	...	...	—	2·4	16
16	—	...	...	·5	·6	·6	·9	1·0	·5	1·0	1·0	1·0	1·0	1·0	·2	·1	...	—	9·4	64
17	—	...	...	...	...	·3	1·0	1·0	·8	·7	·7	·2	...	...	...	...	...	—	4·7	32
18	—	...	...	...	...	...	...	...	·5	·4	·8	·8	·6	...	...	...	...	—	3·1	21
19	—	...	...	·5	·3	·3	1·0	1·0	1·0	1·0	·6	1·0	...	...	...	...	...	—	6·7	47
20	—	...	...	...	...	·1	·2	·4	·9	1·0	·7	·6	·2	·3	·1	...	...	—	4·5	31
21	—	...	...	...	...	...	...	...	...	...	·3	...	·1	...	...	...	...	—	0·4	3
22	—	...	...	...	...	·2	...	...	·3	·9	1·0	1·0	1·0	1·0	·9	...	...	—	6·3	44
23	—	...	·3	·8	·9	·5	·5	·2	...	·2	·8	·7	1·0	1·0	·9	·1	...	—	7·9	56
24	—	—	...	...	...	·4	·7	1·0	·2	...	·8	1·0	·8	·1	·3	...	—	—	5·3	38
25	—	—	·1	...	...	·7	·8	1·0	·7	...	·2	...	...	...	...	...	—	—	3·5	25
26	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
27	—	—	...	...	...	...	...	·1	·2	...	...	·1	·2	...	...	...	—	—	0·6	4
28	—	—	...	1·0	1·0	·6	·5	·6	·1	·4	1·0	1·0	1·0	·8	1·0	·2	—	—	9·2	66
29	—	—	·2	1·0	·3	·8	·8	·9	1·0	1·0	1·0	1·0	·5	·8	1·0	·1	—	—	10·4	75
30	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	12·5	**91**
31	—	—	...	...	...	...	...	·1	·9	...	...	...	...	...	...	...	...	—	—	1·0	7
Sum.	—	0·2	2·4	7·7	8·8	9·0	9·9	11·8	11·5	11·2	**13·7**	12·7	11·2	9·5	10·0	2·1	0·2	—	131·9	—
Mean.	—	0·01	0·08	0·25	0·28	0·29	0·32	0·38	0·37	0·36	**0·44**	0·41	0·36	0·30	0·32	0·07	0·01	—	4·25	29

Hour L.A.T.	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.	Total for Day.	Percent. of Possible.

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

408. Cahirciveen (Valentia Observatory) : h_s (height of recorder above ground) = 12·8 metres. **September, 1927.**

Hour L.A.T.	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.	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	—	—	...	·6	·5	·7	·7	·7	·8	·9	·1	·2	·9	1·0	1·0	·2	—	—	8·3	61
2	—	—	...	·1	·6	·4	1·0	1·0	1·0	1·0	·5	·7	·5	·4	...	...	—	—	7·2	53
3	—	—	...	...	...	·3	·4	·3	·9	·9	·8	·2	·3	...	...	...	—	—	4·1	30
4	—	—	...	·4	·7	·9	·2	·2	...	·1	...	...	...	...	...	...	—	—	2·5	19
5	—	—	...	...	...	...	·7	·9	·2	...	...	...	...	...	...	...	—	—	1·8	13
6	—	—	...	·3	·5	·8	1·0	·8	1·0	·6	·8	·6	...	·9	·4	·1	—	—	7·8	59
7	—	—	...	·3	·8	1·0	·7	·7	·2	...	·1	·1	...	...	...	...	—	—	3·9	30
8	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
9	—	—	...	...	...	...	...	·2	1·0	1·0	·2	·7	1·0	1·0	1·0	·1	—	—	6·2	47
10	—	—	...	...	...	·1	...	·3	·8	·8	·6	·6	·7	·7	·2	...	—	—	4·8	37
11	—	—	...	...	...	...	·5	·4	·1	·2	·3	·6	·2	·2	·3	...	—	—	2·8	22
12	—	—	...	...	...	...	·1	·2	·2	...	...	...	...	...	...	...	—	—	0·5	4
13	—	—	...	...	...	...	·1	·4	...	...	·1	...	·2	·1	...	...	—	—	0·9	7
14	—	—	...	...	...	...	...	...	...	·8	·6	·3	...	·2	·2	...	—	—	2·1	16
15	—	—	...	...	·3	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	**9·9**	**78**
16	—	—	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	—	—	0·2	2
17	—	—	...	...	...	·2	...	...	·9	·9	...	...	...	...	...	...	—	—	2·0	16
18	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
19	—	—	...	...	...	...	·2	·4	...	...	·4	·6	·7	·1	...	...	—	—	2·4	19
20	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
21	—	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	—	0·1	1
22	—	—	...	...	...	...	...	...	·3	·3	·1	·2	·8	·7	...	...	—	—	2·4	20
23	—	—	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·7	·3	·7	·7	...	—	—	9·3	77
24	—	—	—	...	...	·1	·6	·8	·3	·2	·6	1·0	·9	·6	...	—	—	—	5·1	42
25	—	—	—	...	·2	·9	·4	·5	·3	·3	1·0	1·0	·9	·6	·3	—	—	—	6·4	53
26	—	—	—	...	·5	·6	·5	·2	...	...	·1	...	·5	...	...	—	—	—	2·4	20
27	—	—	—	...	1·0	·8	·5	1·0	·7	1·0	1·0	1·0	1·0	·8	...	—	—	—	8·8	74
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
29	—	—	—	...	·5	·5	·8	1·0	·9	·7	1·0	1·0	·9	·5	·2	—	—	—	8·0	68
30	—	—	—	...	·2	·6	·6	·7	·5	·7	...	·1	·7	·3	...	—	—	—	4·4	35
Sum.	—	—	0·0	1·7	6·7	9·7	11·1	**12·8**	12·1	12·4	10·3	10·7	11·5	9·8	5·1	0·4	—	—	114·3	—
Mean.	—	—	0·00	0·06	0·22	0·32	0·37	**0·42**	0·40	0·41	0·34	0·36	0·38	0·33	0·17	0·01	—	—	3·81	30

409. Cahirciveen (Valentia Observatory): h_s = 12·8 metres. **October, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	...	·1	·1	...	...	...	...	—	—	—	0·2	2
2	—	—	—	...	...	...	·3	·7	1·0	1·0	1·0	·9	1·0	·7	·3	—	—	—	6·9	60
3	—	—	—	...	·5	·7	·9	1·0	1·0	1·0	1·0	1·0	·3	...	...	—	—	—	7·4	64
4	—	—	—	...	...	...	...	...	·7	·6	·7	·6	·5	·2	...	—	—	—	3·3	29
5	—	—	—	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	8·3	73
6	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	—	**9·5**	84
7	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	9·4	83
8	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	9·4	**84**
9	—	—	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·8	·3	...	—	—	—	7·5	68
10	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	9·2	84
11	—	—	—	...	...	·1	·1	·7	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	6·4	53
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
13	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
14	—	—	—	...	·1	·4	·9	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	7·9	73
15	—	—	—	...	·1	...	...	·1	...	...	·2	·2	·8	·2	...	—	—	—	1·6	15
16	—	—	—	...	...	...	...	...	...	·4	...	...	...	...	...	—	—	—	0·4	4
17	—	—	—	...	...	...	...	...	·2	...	...	·1	·4	·1	...	—	—	—	0·8	8
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
19	—	—	—	...	...	...	·1	·2	·2	·6	1·0	·6	·1	...	...	—	—	—	2·8	27
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
21	—	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	—	—	—	0·1	1
22	—	—	—	...	·1	·2	·1	·5	1·0	·9	·9	·4	·3	...	...	—	—	—	4·4	43
23	—	—	—	...	...	...	...	...	·4	·7	·8	·1	...	...	...	—	—	—	2·0	20
24	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
25	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
26	—	—	—	—	...	...	...	...	·5	·3	...	...	...	...	—	—	—	—	0·8	8
27	—	—	—	—	...	...	·2	·4	·6	·8	1·0	1·0	·5	...	—	—	—	—	4·5	46
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
29	—	—	—	—	...	...	·6	1·0	1·0	1·0	·5	...	...	...	—	—	—	—	4·1	42
30	—	—	—	—	...	...	...	...	...	...	·6	·7	...	...	—	—	—	—	1·3	13
31	—	—	—	—	...	·6	·2	·9	·8	·7	·2	...	...	·2	—	—	—	—	3·6	38
Sum.	—	—	—	0·0	2·7	6·6	9·3	12·5	15·4	**16·1**	16·0	13·6	11·7	7·4	0·5	—	—	—	111·8	—
Mean.	—	—	—	0·00	0·09	0·21	0·30	0·40	0·50	**0·52**	0·52	0·44	0·38	0·24	0·02	—	—	—	3·61	34

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

410. Cahirciveen (Valentia Observatory): h_s (height of recorder above ground) = 12·8 metres. **November, 1927.**

Hour L.A.T.	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.	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.	Total for Day.	Per cent. of Possible.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
2	—	—	—	—	...	...	...	·1	...	...	...	...	...	...	—	—	—	—	0·1	1
3	—	—	—	—	...	...	...	·8	·2	·3	·2	·2	·1	...	—	—	—	—	1·8	19
4	—	—	—	—	...	...	...	...	·3	·9	1·0	1·0	·5	...	—	—	—	—	3·7	39
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
6	—	—	—	—	...	·2	·1	·3	·4	·5	·7	·2	·5	...	—	—	—	—	2·9	31
7	—	—	—	—	...	·2	1·0	1·0	·8	·7	·3	·1	...	...	—	—	—	—	4·1	44
8	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	—	**7·8**	**85**
9	—	—	—	—	...	·6	·4	·3	·5	·4	·2	·1	...	...	—	—	—	—	2·5	27
10	—	—	—	—	...	·3	·7	·7	·6	·9	·8	·4	·4	...	—	—	—	—	4·8	53
11	—	—	—	—	...	...	·9	·1	·7	1·0	1·0	·9	·1	...	—	—	—	—	4·7	52
12	—	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	7·2	80
13	—	—	—	—	...	·5	·7	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	7·3	82
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
15	—	—	—	—	...	·2	...	...	...	·2	·1	...	...	...	—	—	—	—	0·5	5
16	—	—	—	—	...	...	...	...	...	...	...	·1	...	...	—	—	—	—	0·1	1
17	—	—	—	—	...	...	...	...	·4	·5	·2	·3	...	...	—	—	—	—	1·4	16
18	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
19	—	—	—	—	...	·2	·9	·8	1·0	·9	1·0	·8	·8	...	—	—	—	—	6·4	75
20	—	—	—	—	...	...	...	...	...	·4	·7	1·0	·8	...	—	—	—	—	2·9	34
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
24	—	—	—	—	...	...	...	·2	·1	·8	1·0	1·0	·2	...	—	—	—	—	3·3	39
25	—	—	—	—	...	...	·8	1·0	·6	·7	·6	·5	·1	...	—	—	—	—	4·3	52
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
27	—	—	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	6·7	81
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
29	—	—	—	—	...	...	1·0	·5	·9	1·0	·9	1·0	·3	...	—	—	—	—	5·6	69
30	—	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	—	—	5·8	72
Sum.	—	—	—	—	0·0	3·3	10·5	10·8	11·5	**14·2**	13·7	12·4	7·2	0·3	—	—	—	—	83·9	
Mean.	—	—	—	—	0·00	0·11	0·35	0·36	0·38	**0·47**	0·46	0·41	0·24	0·01	—	—	—	—	2·80	32

411. Cahirciveen (Valentia Observatory): h_s = 12·8 metres. **December and Year, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	·3	·3	·4	...	—	—	—	—	—	1·0	12
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
3	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
4	—	—	—	—	—	...	...	...	...	·3	·6	·2	...	—	—	—	—	—	1·1	14
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	·5	·3	·7	1·0	1·0	·3	...	—	—	—	—	—	3·8	48
7	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	·4	—	—	—	—	—	**6·2**	74
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	...	...	·4	...	...	...	...	—	—	—	—	—	0·4	5
14	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
20	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
21	—	—	—	—	—	...	...	...	·1	·2	·1	...	...	—	—	—	—	—	0·4	5
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
25	—	—	—	—	—	...	...	·5	·7	·6	·2	·1	·1	—	—	—	—	—	2·2	29
26	—	—	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	—	**6·2**	**81**
27	—	—	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·5	—	—	—	—	—	**6·2**	**81**
28	—	—	—	—	—	...	·5	·8	1·0	·5	·2	·4	...	—	—	—	—	—	3·4	44
29	—	—	—	—	—	...	...	·2	·2	·8	·9	·2	...	—	—	—	—	—	2·3	30
30	—	—	—	—	—	...	·6	...	...	...	...	...	...	—	—	—	—	—	0·6	8
31	—	—	—	—	—	...	·7	·9	·9	·9	1·0	·9	·1	—	—	—	—	—	5·4	80
Sum.	—	—	—	—	—	0·0	4·5	5·7	7·0	**7·7**	7·4	5·5	1·6	—	—	—	—	—	39·4	—
Mean.	—	—	—	—	—	0·00	0·15	0·18	0·23	**0·25**	0·24	0·18	0·05	—	—	—	—	—	1·27	16
Annual Total	...	5·8	25·6	43·7	63·2	91·8	119·1	133·0	144·1	**153·9**	146·3	126·9	105·3	80·9	56·0	32·5	9·2	...	1337·3	—
Annual Mean.	...	0·01	0·07	0·12	0·17	0·25	0·33	0·36	0·39	**0·42**	0·40	0·35	0·29	0·22	0·15	0·09	0·03	...	3·66	30
Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.

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

412. Cahirciveen (Valentia Observatory) : Dines Anemograph from Jan., 1926.

H_a (height of anemograph above M.S.L.) = Height of ground above

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·5	—	1·4	—	1·1	190	2·8	200	2·0	195	2·6	—	1·3	195	2·8	200	4·2	215	4·2	230	4·2	235	5·7
2	190	5·5	200	5·1	200	5·6	195	6·4	200	8·3	195	7·3	195	6·5	195	6·7	195	6·9	190	7·1	195	7·5	195	7·8
3	270	6·1	275	7·5	275	6·7	285	6·4	285	8·3	295	8·2	290	7·4	295	7·1	290	6·2	285	7·9	290	8·8	290	8·6
4	295	8·6	300	8·8	315	8·3	325	8·1	335	9·9	340	9·7	330	11·3	330	11·6	330	11·3	335	10·2	335	8·5	325	8·7
5	225	10·1	245	10·5	265	8·0	285	5·6	295	5·5	270	4·6	270	5·9	270	6·2	275	6·0	275	5·0	275	4·0	270	5·5
6	235	11·4	250	11·1	250	10·6	255	9·0	250	9·1	250	8·2	250	8·6	255	6·6	255	8·3	260	9·0	260	9·0	255	10·2
7	290	10·5	295	10·0	300	10·1	295	8·6	295	8·3	310	9·7	310	8·5	305	8·9	315	8·1	320	10·2	330	8·6	325	9·4
8	295	8·5	300	8·6	295	7·2	300	7·2	300	5·5	300	6·5	290	5·5	275	2·0	—	1·4	250	3·6	245	6·2	250	6·9
9	300	7·0	285	5·5	280	5·5	275	5·2	260	5·2	260	4·8	270	5·7	270	5·5	265	5·5	275	5·1	280	4·8	290	3·4
10	275	4·1	265	4·0	270	4·2	265	4·8	250	4·3	255	3·9	255	3·5	240	3·8	235	3·8	245	4·0	235	3·8	250	4·0
11	200	6·0	205	5·7	200	6·0	200	5·8	200	5·6	200	5·9	200	5·2	200	5·9	205	5·0	200	4·8	205	5·9	215	7·7
12	200	3·2	190	4·1	190	5·0	185	6·0	180	7·0	185	8·1	185	9·9	190	10·8	190	13·2	190	13·0	200	14·8	210	16·2
13	295	13·2	300	12·4	295	12·4	310	12·2	315	12·7	315	13·5	310	13·5	315	15·8	315	13·8	315	14·8	305	13·2	305	12·7
14	290	8·0	295	7·1	295	6·9	290	7·0	300	5·1	300	5·4	295	6·2	290	6·1	275	6·9	290	5·8	280	6·0	285	5·3
15	295	9·5	300	10·9	310	11·0	300	12·6	305	10·6	300	10·9	300	10·6	305	10·5	300	10·2	295	10·5	290	10·5	295	9·0
16	290	9·6	285	9·5	290	8·7	295	9·2	305	8·5	290	5·3	290	6·8	295	5·3	290	1·6	290	3·6	210	2·6	215	3·7
17	335	7·0	315	7·8	315	9·7	335	9·4	335	9·7	330	10·2	340	9·7	315	8·4	335	7·2	335	8·3	360	7·0	335	6·2
18	15	5·7	360	5·0	5	2·7	10	9·0	20	9·8	20	9·2	30	8·2	25	8·7	15	7·2	15	5·9	10	5·2	360	5·0
19	—	0·5	—	0·5	—	1·3	—	0·5	—	1·3	—	0·5	50	1·9	—	1·5	50	1·9	—	1·1	—	0·5	—	0·5
20	145	8·3	140	7·5	140	5·9	120	2·8	75	1·7	160	2·5	20	5·2	340	6·7	350	5·1	345	4·1	335	3·1	315	5·7
21	290	7·7	290	9·5	305	7·4	305	7·0	285	7·7	285	9·1	290	8·6	310	9·9	335	7·8	295	6·8	310	4·3	300	7·4
22	230	8·2	235	9·9	240	10·9	235	11·4	250	12·3	270	8·8	275	6·1	280	5·5	280	5·2	275	5·3	270	4·7	275	5·4
23	225	4·7	215	4·8	220	5·7	215	6·7	235	7·1	260	7·9	260	7·1	245	5·6	205	4·4	230	5·7	225	6·7	225	7·1
24	185	9·1	185	11·6	180	12·7	180	13·5	175	14·2	175	15·0	175	15·1	175	16·3	180	16·4	185	15·7	185	17 0	205	15·0
25	200	6·4	200	5·8	195	7·9	200	5·3	190	6·9	200	5·8	205	6·4	210	6·5	230	7·3	190	6·2	210	9·2	215	9·9
26	175	11·6	175	12·2	165	12·8	165	11·0	165	9·6	150	7·8	85	5·1	360	5·8	290	10·2	290	13·0	285	12·2	270	12·0
27	215	12·0	225	12·7	220	10·0	230	10·8	235	11·7	235	11·7	240	12·7	260	15·0	255	15·5	260	15·0	250	14·5	240	15·0
28	195	13·7	195	13·7	190	14·8	190	16·0	190	16·7	200	18·2	200	18·3	205	21·0	225	20·6	235	21·2	235	19·6	235	16·6
29	300	12·2	325	8·3	275	5·8	260	12·6	260	11·5	240	12·7	245	15·0	265	13·5	275	13·0	285	12·0	280	8·3	275	7·2
30	230	8·5	230	9·2	230	9·2	230	8·7	255	6·2	270	9·2	235	8·8	240	8·3	265	9·3	275	8·2	265	8·7	260	10·0
31	265	7·7	270	8·8	270	7·3	275	6·5	275	5·3	260	6·3	275	7·8	300	6·7	265	7·4	260	9·3	260	9·5	275	10·7
Mean ...	—	7·9	—	8·0	—	7·8	—	8·0	—	8·0	—	8·0	—	8·1	—	8·2	—	8·1	—	**8·3**	—	8·0	—	8·3

413. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	280	4·5	235	1·8	210	1·8	135	1·7	90	2·5	90	2·8	180	3·0	—	1·5	70	4·6	75	5·1	95	4·5	65	5·4
2	360	2·5	35	1·8	—	0·5	50	1·6	—	1·5	—	0·5	—	0·5	75	2·8	—	1·3	—	1·2	170	4·1	165	5·2
3	185	6·8	185	7·0	180	7·2	180	7·8	185	8·3	190	8·8	190	9·3	190	9·0	190	9·1	200	10·7	190	11·2	190	10·4
4	260	7·2	265	5·6	285	4·6	280	4·2	275	4·4	260	2·5	—	0·5	—	1·0	—	1·3	60	1·7	—	1·5	115	2·3
5	180	9·8	180	9·9	180	10·6	180	10·4	185	10·0	190	10·0	205	9·0	210	9·3	220	10·2	225	8·7	235	8·8	240	7·0
6	—	0·5	—	1·0	30	1·7	35	1·8	35	2·2	35	2·0	—	0·5	35	1·7	—	1·2	40	1·7	40	1·7	95	2·0
7	165	3·4	165	2·7	165	2·4	165	2·7	165	2·5	165	2·2	165	2·2	165	2·5	165	2·7	180	2·9	185	3·2	170	2·8
8	—	0·5	—	1·1	—	0·5	—	1·0	115	2·1	115	4·3	115	5·7	120	6·2	125	4·9	110	5·8	110	4·9	125	6·3
9	90	7·3	90	7·2	90	6·7	90	6·5	110	6·6	105	6·7	90	6·0	110	6·0	115	3·5	85	3·5	90	4·3	90	5·4
10	100	6·6	110	6·5	115	6·3	130	6·4	140	7·2	140	7·7	140	8·5	150	9·5	145	9·9	140	10·0	150	8·7	160	9·2
11	160	10·0	165	9·8	165	9·5	165	10·0	160	9·8	165	9·3	165	8·2	160	8·2	160	7·8	160	8·1	160	8·7	155	8·7
12	130	6·2	110	5·5	90	6·2	90	7·7	90	7·7	90	7·3	90	7·7	90	8·2	85	9·2	90	10·0	110	9·3	130	8·5
13	160	9·2	155	9·2	155	9·2	160	8·9	160	8·9	160	8·8	165	9·5	165	9·6	165	10·0	175	9·5	170	10·2	180	9·0
14	150	6·7	140	7·2	160	8·2	160	8·7	160	9·0	150	8·3	150	8·7	160	10·0	160	10·7	155	10·4	155	10·3	155	10·5
15	160	8·0	165	7·7	165	7·9	165	7·3	160	7·8	160	8·5	160	7·7	165	8·2	165	8·2	160	8·2	160	7·7	165	7·9
16	140	7·4	140	7·8	155	8·8	155	8·0	140	7·0	140	6·2	145	5·2	140	5·3	140	5·2	150	5·5	160	7·3	140	9·0
17	160	7·8	145	7·7	140	7·2	160	5·7	165	4·9	160	4·7	160	4·2	160	1·7	160	2·1	—	0·5	—	0·5	—	0·5
18	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	135	1·6	170	3·3
19	165	5·5	160	5·5	160	4·5	170	4·0	160	4·2	175	4·2	175	3·6	190	3·7	185	3·9	190	4·0	215	5·1	225	5·5
20	210	4·2	210	4·3	215	5·3	235	6·2	240	6·5	215	5·4	210	5·5	210	6·7	225	7·5	225	6·9	225	6·7	230	6·9
21	190	8·4	190	8·3	185	7·2	185	7·6	180	7·5	185	7·7	180	7·8	170	7·2	165	7·7	165	7·7	160	8·2	170	9·2
22	145	8·3	140	8·8	140	9·1	140	9·0	140	8·5	140	9·5	130	8·0	135	8·3	135	10·0	150	9·8	155	9·2	155	8·5
23	250	10·3	235	9·5	235	7·9	225	8·2	230	7·2	225	7·2	225	6·2	210	5·5	205	6·8	210	7·2	215	7·7	210	7·3
24	140	3·8	140	4·0	140	4·3	130	3·7	125	1·6	115	2·7	115	1·9	—	0·5	115	3·3	85	3·7	90	4·5	140	4·8
25	170	4·3	155	4·6	90	4·8	65	6·0	95	5·4	160	5·8	170	5·2	210	4·8	215	6·2	215	7·2	215	7·1	215	8·3
26	180	5·6	180	5·6	175	4·9	170	4·3	165	7·2	165	6·8	160	7·7	160	8·6	140	7·8	135	10·0	110	8·3	100	10·1
27	265	9·5	275	10·0	275	10·8	265	10·7	265	10·7	265	10·6	265	10·3	265	10·0	265	9·3	260	9·3	260	8·8	255	7·8
28	140	9·7	140	10·3	135	10·3	130	8·6	120	8·2	110	5·5	85	4·5	60	3·3	60	1·6	—	0·5	25	4·7	30	5·5
Mean ...	—	6·3	—	6·1	—	6·0	—	6·0	—	6·1	—	5·9	—	**5·6**	—	5·7	—	5·9	—	6·1	—	6·4	—	6·7

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

January, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
230	5·7	235	5·9	235	5·9	235	6·0	255	6·0	225	3·9	205	4·0	210	4·0	210	4·3	210	5·5	190	4·7	185	5·3	3·8	1
200	8·1	195	8·4	200	9·0	200	9·7	200	10·0	200	10·9	205	11·1	210	10·9	225	9·6	260	5·5	260	5·6	260	6·2	7·7	2
290	7·0	295	7·5	290	7·8	290	7·7	295	8·6	290	7·0	320	6·6	320	9·0	325	5·9	305	5·5	310	6·5	295	6·8	7·3	3
325	7·6	315	6·4	300	5·2	290	4·7	280	3·7	245	4·3	215	3·7	215	4·9	220	6·1	220	6·7	215	7·2	215	9·0	7·6	4
255	5·7	255	6·0	240	5·1	240	4·5	230	4·7	200	4·2	185	6·2	220	7·3	235	7·8	240	9·8	240	10·2	235	10·1	6·6	5
265	10·2	265	10·4	260	9·2	265	8·9	275	9·3	270	9·4	270	9·1	270	8·4	270	9·6	270	10·3	270	10·4	280	8·5	9·4	6
330	8·6	340	10·0	330	8·4	330	10·5	325	11·0	325	8·9	320	7·0	310	5·8	305	6·4	295	7·9	290	8·6	290	9·1	8·9	7
275	5·7	265	5·8	260	6·9	260	6·2	270	5·1	285	6·2	300	7·1	305	6·4	300	6·4	285	5·5	295	6·4	295	6·3	6·0	8
285	3·8	280	3·5	270	3·3	270	3·1	260	3·4	255	4·1	245	4·4	250	4·5	250	4·8	250	4·8	255	4·4	270	4·9	4·7	9
225	4·8	225	4·7	220	4·5	215	4·2	215	3·6	220	4·2	215	3·8	210	3·7	200	3·7	195	3·9	190	4·8	200	5·8	4·1	10
220	8·8	220	8·6	230	7·3	255	8·1	260	7·4	260	6·9	260	6·2	265	5·7	260	4·6	265	3·0	255	3·0	225	3·8	6·0	11
230	17·0	235	17·2	250	18·2	260	17·4	265	15·2	280	13·5	295	14·6	300	12·1	315	12·9	310	12·8	300	11·4	290	11·8	11·7	12
310	12·8	315	13·6	320	14·1	320	13·8	315	13·1	315	12·3	315	10·6	320	10·4	315	9·9	305	9·6	300	7·6	290	8·6	12·4	13
285	7·6	285	9·1	290	10·2	315	8·6	300	5·8	295	8·6	295	8·4	290	7·5	290	7·3	300	6·7	290	6·6	290	9·7	7·1	14
300	9·5	310	9·5	315	10·1	325	10·0	325	9·4	325	10·1	315	8·5	320	8·8	335	8·9	305	7·5	290	7·7	300	9·0	9·8	15
290	6·7	320	8·3	315	9·2	320	10·8	315	11·1	315	11·0	330	11·5	320	10·2	300	9·1	305	7·7	310	7·7	315	8·7	7·8	16
340	6·2	330	6·9	310	6·0	330	4·8	340	6·8	335	7·0	35	2·0	35	2·7	5	6·7	10	6·2	10	6·2	5	6·8	7·1	17
10	5·6	20	7·0	10	7·7	10	7·2	10	7·6	5	7·6	30	5·7	15	2·6	40	2·0	—	1·0	355	2·8	50	1·6	5·9	18
160	3·5	165	4·5	175	4·6	145	5·4	145	5·7	160	6·7	155	7·4	150	7·0	140	7·3	160	7·2	160	8·7	150	7·3	**3·5**	19
325	5·7	315	6·2	310	7·5	310	7·3	310	8·2	315	8·6	290	8·5	290	9·6	290	10·0	310	8·8	305	9·3	310	8·3	6·5	20
295	7·8	310	7·8	310	4·1	290	7·5	300	6·7	305	4·8	285	6·0	280	6·5	280	5·7	270	6·0	245	5·6	225	6·0	7·0	21
285	4·6	300	4·1	290	3·3	285	2·3	295	3·4	275	2·2	215	2·8	210	4·1	240	5·4	215	4·2	230	4·6	225	5·3	5·8	22
215	7·1	220	7·5	215	7·1	210	6·8	220	6·2	215	5·5	210	5·5	200	5·3	185	5·5	185	7·1	185	8·1	190	7·8	6·3	23
215	8·6	190	7·8	185	8·2	185	9·2	190	8·9	190	9·4	195	9·1	200	9·3	195	6·9	190	7·3	195	6·4	200	6·9	11·3	24
215	9·6	215	9·7	215	10·6	210	9·8	205	9·0	210	7·5	205	8·0	200	7·0	185	5·8	185	5·0	175	7·1	165	7·3	7·5	25
265	12·2	260	12·3	260	10·8	240	9·2	210	6·9	210	9·3	210	10·3	215	12·2	215	12·7	215	13·6	215	12·3	225	13·2	10·6	26
240	14·2	240	12·5	235	11·7	225	11·8	215	11·7	210	12·8	210	13·1	205	13·2	200	14·2	190	14·0	195	13·7	195	13·7	13·0	27
235	15·0	235	12·2	240	12·1	235	8·2	225	8·2	235	7·8	230	5·5	210	6·0	190	6·3	175	6·3	185	6·2	180	6·2	**13·1**	28
225	10·7	235	9·3	245	10·3	245	10·8	260	5·3	235	6·8	255	8·3	235	9·2	235	9·6	235	10·8	220	10·0	210	6·5	10·0	29
260	9·7	260	9·4	265	9·7	270	8·5	280	7·1	290	7·0	260	11·2	275	10·0	285	6·5	275	8·0	260	5·3	250	5·9	8·5	30
285	10·3	290	7·5	290	8·5	290	8·3	310	7·7	300	8·5	290	8·4	290	7·8	295	7·3	310	5·7	290	5·5	300	4·1	7·7	31
—	8·0	—	8·0	—	**8·3**	—	8·1	—	7·6	—	7·6	—	7·6	—	7·5	—	7·4	—	**7·2**	—	7·2	—	7·4	7·9	

February, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
60	6·7	60	6·3	50	5·4	30	4·5	30	4·0	15	3·3	—	1·3	360	5·7	15	5·2	10	3·8	360	3·2	360	3·2	3·8	1
165	6·4	165	7·1	170	7·7	170	9·0	185	9·5	165	11·3	165	10·1	165	10·0	165	9·7	170	8·5	185	7·5	185	7·3	5·2	2
190	11·2	190	12·0	190	11·7	190	13·0	200	13·0	210	12·0	225	11·3	235	10·0	250	8·7	255	8·2	260	6·7	260	7·7	**9·6**	3
175	3·8	180	5·0	180	4·8	165	3·7	145	5·5	150	7·5	150	9·0	155	10·5	150	10·8	150	10·8	155	11·4	165	9·3	5·3	4
250	7·1	260	6·5	270	6·1	280	6·7	290	5·6	290	4·5	290	4·5	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	6·7	5
170	3·7	180	4·0	165	4·2	180	3·5	180	3·0	180	3·0	180	2·3	—	1·5	—	0·5	135	2·2	150	3·5	160	2·8	2·1	6
150	2·8	165	2·5	210	2·7	215	1·6	—	1·2	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	**2·0**	7
125	5·8	130	5·0	130	3·4	130	3·2	125	4·0	120	5·3	110	5·2	100	5·8	100	5·8	85	5·2	90	5·8	90	6·8	4·2	8
90	5·6	100	4·3	85	5·2	85	5·8	85	5·5	90	6·0	85	6·8	90	7·0	90	6·4	105	6·7	120	6·2	110	5·8	5·9	9
160	9·0	160	9·2	165	9·0	165	8·8	160	8·8	155	10·0	155	10·7	160	10·0	160	9·7	160	10·0	160	10·0	160	10·0	8·7	10
55	8·5	150	8·5	145	7·9	140	6·5	135	7·2	135	7·1	125	7·3	125	7·5	125	7·1	125	6·5	125	6·2	130	6·0	8·2	11
30	9·1	135	8·0	140	7·3	140	6·8	135	7·5	135	7·8	135	8·2	140	8·1	140	10·0	140	9·2	155	8·5	160	8·8	8·0	12
85	8·8	190	7·5	190	7·3	190	5·8	180	4·4	155	5·3	160	5·0	160	4·4	160	5·2	160	4·3	140	4·2	160	5·3	7·5	13
60	10·6	160	10·2	160	9·5	160	9·3	160	9·2	160	10·0	160	9·8	160	9·2	160	8·8	160	8·6	160	7·8	160	8·6	9·1	14
165	8·1	165	7·5	165	7·7	165	7·2	165	4·4	165	3·8	165	4·8	160	4·2	150	5·5	155	5·5	140	6·3	140	6·7	7·0	15
145	10·7	140	9·2	140	7·2	140	7·7	140	7·7	140	8·5	135	8·2	140	8·2	140	7·6	155	7·0	160	7·6	160	7·7	7·5	16
240	2·1	240	2·3	260	2·3	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	60	2·1	—	1·0	60	1·7	—	1·5	2·8	17
165	3·2	170	4·6	160	5·8	150	5·8	145	5·8	155	6·3	145	6·0	150	6·5	155	6·9	160	6·7	165	6·3	165	5·8	3·2	18
215	5·0	215	5·9	215	5·5	210	5·0	210	4·6	200	4·3	210	4·3	210	4·7	210	4·2	210	4·4	215	4·7	210	4·0	4·6	19
235	8·3	235	7·5	225	7·0	215	6·6	215	6·6	215	6·8	200	6·8	190	7·2	195	7·2	195	6·8	190	6·9	190	7·8	6·9	20
165	9·5	160	8·4	160	7·8	165	8·2	160	7·8	160	9·0	160	8·3	160	8·8	160	7·7	160	7·7	160	7·5	155	7·7	8·0	21
165	7·5	165	5·5	185	4·5	135	4·8	140	2·7	215	5·0	265	10·0	285	7·2	265	9·9	255	11·7	250	11·2	250	11·0	8·2	22
205	7·2	200	7·2	200	7·5	190	6·7	185	5·4	170	3·5	175	3·7	165	2·9	165	3·8	150	3·8	140	4·7	140	4·4	6·5	23
135	5·3	130	5·8	135	6·2	130	6·3	115	5·8	110	5·6	90	6·2	90	6·2	110	5·0	135	4·2	135	4·8	140	5·2	4·4	24
215	8·8	215	8·8	215	9·0	215	9·3	220	9·6	215	7·7	215	7·7	210	7·2	200	6·7	190	4·3	200	4·3	170	5·2	6·6	25
65	9·1	60	8·0	40	4·9	15	4·9	325	3·6	275	3·0	225	6·0	225	8·5	235	9·7	240	9·7	240	8·7	260	8·3	7·1	26
240	6·7	240	5·7	220	5·0	215	3·2	180	3·2	140	3·6	110	5·0	90	6·7	90	7·2	85	10·0	85	11·0	115	10·1	8·1	27
290	4·7	285	5·8	290	6·2	285	7·3	280	9·2	270	9·5	265	8·2	260	8·8	265	8·2	260	6·8	265	6·5	265	6·7	6·8	28
—	**7·0**	—	6·7	—	6·4	—	6·1	—	5·9	—	6·1	—	6·3	—	6·4	—	6·5	—	6·2	—	6·2	—	6·2	6·2	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

414. Cahirciveen (Valentia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	260	6·0	270	6·3	280	7·7	285	7·9	290	6·7	290	6·8	285	8·6	285	8·5	300	7·2	305	7·2	305	7·2	300	7·3
2	165	4·4	160	5·2	170	5·0	185	6·7	165	8·0	165	9·2	165	10·2	185	10·0	210	10·4	215	11·0	220	10·1	230	12·0
3	265	7·3	260	6·8	265	7·0	265	5·4	240	5·0	230	4·4	185	4·2	180	4·6	185	5·7	190	6·3	175	8·2	160	10·0
4	200	13·3	205	13·0	205	13·6	205	14·3	200	13·5	210	12·8	210	11·5	210	11·5	215	11·5	210	11·7	215	12·3	215	13·2
5	285	12·0	285	11·1	290	11·2	300	12·8	310	12·9	310	12·6	310	12·7	310	12·3	310	12·0	310	11·8	315	11·2	310	10·6
6	335	2·6	310	3·9	315	3·5	310	2·3	285	5·6	285	3·6	—	1·0	—	1·3	—	1·3	—	1·3	185	2·6	165	3·9
7	285	10·5	265	6·6	260	6·2	260	7·2	260	7·5	275	4·9	260	5·2	260	3·9	260	5·9	280	6·0	265	5·2	270	6·3
8	265	5·7	285	5·6	285	5·0	270	5·0	270	6·8	285	6·8	310	5·6	295	5·5	315	5·6	310	5·9	315	6·0	315	5·3
9	—	0·5	—	0·5	—	0·5	—	0·5	310	3·0	290	3·6	310	5·9	10	3·0	320	1·6	310	5·1	310	6·5	310	7·2
10	285	8·3	285	8·3	285	7·2	285	6·7	340	8·4	335	8·3	340	8·0	340	7·1	360	7·0	335	8·2	335	7·6	315	7·7
11	—	0·5	—	0·5	—	0·5	30	5·6	45	3·6	35	3·6	10	8·9	20	7·5	30	6·2	35	7·6	40	7·2	15	7·9
12	40	3·5	50	3·2	70	3·5	70	2·7	70	2·2	45	2·5	35	2·2	60	1·7	60	1·9	60	1·7	55	1·7	60	2·1
13	85	2·7	80	4·2	75	4·3	75	2·9	80	4·0	70	4·6	70	4·9	80	5·7	85	5·4	85	5·2	85	5·8	90	6·4
14	90	6·8	90	7·2	105	6·7	90	6·7	90	6·8	90	6·4	105	7·2	110	7·2	115	7·1	120	9·1	130	10·5	135	10·7
15	140	12·2	140	12·2	140	14·0	160	12·7	165	11·5	165	10·7	165	10·0	160	9·2	160	9·1	160	9·1	160	9·0	170	9·3
16	160	10·0	160	10·6	145	11·2	140	11·4	135	10·3	130	9·7	130	11·2	115	10·8	110	11·2	105	12·0	100	11·7	105	10·7
17	100	7·6	115	7·3	125	7·2	90	4·6	115	3·2	130	3·8	90	3·8	85	3·3	75	3·8	125	4·3	135	4·1	140	4·2
18	160	4·5	165	5·7	165	6·7	175	6·7	185	6·7	180	7·2	180	7·7	180	8·5	175	8·7	185	9·5	185	9·0	175	8·5
19	175	8·8	180	9·2	185	8·7	190	10·7	190	10·3	190	10·3	185	9·0	175	7·8	175	8·5	170	8·3	175	8·6	175	9·3
20	160	9·2	165	8·8	170	8·6	175	8·6	175	8·3	180	8·0	185	8·8	180	8·5	170	9·3	170	9·6	165	10·1	165	10·0
21	160	8·5	160	8·7	145	7·7	145	7·5	155	7·0	155	8·3	140	10·8	140	11·5	160	10·8	160	11·4	160	11·1	160	11·7
22	165	10·3	175	10·1	190	8·5	195	9·1	190	8·3	190	9·7	190	8·4	190	9·0	200	10·2	195	10·5	190	10·0	180	8·2
23	190	2·2	190	2·9	185	4·3	180	2·6	—	0·5	—	1·2	80	3·0	75	1·7	—	0·5	—	1·2	290	4·4	290	5·5
24	285	8·2	270	8·0	265	6·0	235	4·7	220	4·3	190	4·0	180	2·6	75	2·1	185	4·7	200	5·6	230	5·2	210	4·3
25	190	9·7	225	8·4	235	10·7	235	11·3	240	9·7	230	10·4	230	11·1	255	11·7	240	14·2	235	16·7	230	15·9	245	11·5
26	260	10·8	240	10·6	250	10·7	260	10·3	260	9·7	260	9·5	255	9·2	260	10·2	260	10·0	240	9·1	240	8·6	245	8·6
27	265	8·8	280	8·6	290	5·6	275	6·8	285	6·3	290	4·9	275	5·1	275	5·8	290	6·1	320	3·2	285	5·8	270	6·3
28	330	6·6	335	5·3	315	4·3	315	3·2	300	3·4	285	4·2	265	2·5	265	2·7	250	3·6	260	5·0	260	4·0	235	4·7
29	240	7·5	240	7·3	255	7·2	245	7·8	250	7·0	260	7·2	260	7·3	260	7·2	280	7·0	275	7·2	285	7·5	265	6·3
30	265	9·7	265	9·6	270	10·2	275	11·2	275	11·3	270	11·1	265	12·1	285	11·7	285	9·9	280	11·1	275	11·0	285	10·4
31	215	3·5	170	4·0	170	4·3	180	4·3	160	6·2	140	8·6	135	10·7	135	11·7	135	11·3	190	10·0	195	10·0	185	6·8
Mean ...	—	7·2	—	7·1	—	**7·0**	—	7·1	—	7·0	—	7·1	—	7·4	—	7·2	—	7·3	—	7·8	—	8·0	—	8·0

415. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	•	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	350	7·3	315	7·7	320	8·3	340	7·5	335	7·2	335	5·8	335	3·7	310	5·5	290	5·3	310	5·7	315	4·8	285	4·2
2	140	6·8	140	7·5	140	7·7	140	9·7	140	11·6	140	13·2	140	13·1	140	11·8	135	9·2	140	4·3	165	4·7	185	5·4
3	15	2·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	—	0·5	155	2·7	165	5·2	170	6·8	165	8·3
4	180	7·7	180	7·5	180	7·7	180	7·7	185	8·3	180	6·8	170	7·3	180	8·2	180	10·0	185	12·0	190	13·8	210	11·5
5	215	10·3	220	9·3	220	9·0	220	9·5	215	8·2	215	8·4	215	8·3	230	8·5	215	7·5	215	8·3	215	8·3	215	7·9
6	220	5·2	260	5·3	265	4·3	255	6·0	245	8·3	245	7·8	265	7·6	260	6·7	260	6·8	260	6·7	240	6·5	240	7·2
7	285	4·0	290	4·0	290	5·0	300	4·2	265	5·6	300	5·3	265	5·5	290	5·7	335	5·2	260	6·7	260	4·7	275	7·2
8	—	0·5	—	1·2	190	4·6	195	3·5	95	1·7	65	1·7	—	0·5	—	0·5	—	1·2	300	3·0	325	2·8	330	3·7
9	30	8·8	30	7·6	15	8·6	15	7·8	15	6·8	10	9·1	10	9·7	360	9·8	360	9·4	15	8·8	15	8·9	15	9·3
10	15	10·0	5	10·6	5	11·2	360	11·5	5	10·0	10	9·0	5	9·2	15	8·5	20	6·9	20	12·2	10	12·2	10	12·4
11	15	2·1	30	3·0	360	5·0	10	4·9	10	3·7	360	3·5	355	4·0	360	4·2	325	6·2	315	6·3	335	7·2	340	8·2
12	355	6·3	360	5·3	345	4·7	325	5·2	325	4·3	290	4·3	290	2·3	300	3·2	285	3·8	265	3·2	270	4·0	285	2·9
13	235	5·0	225	4·6	220	4·8	225	5·2	230	5·7	215	4·9	210	5·2	210	6·6	210	7·6	210	7·1	215	8·4	220	7·3
14	235	9·9	235	9·8	240	9·1	250	9·6	255	9·0	260	8·2	260	7·2	260	7·1	255	7·2	240	6·4	240	6·5	255	7·3
15	315	6·5	315	8·2	315	7·3	315	7·7	325	7·7	335	7·3	335	7·3	320	6·8	330	6·7	315	7·7	315	9·4	315	9·5
16	—	0·5	335	2·1	310	1·9	—	0·5	285	3·5	—	1·5	—	1·3	—	0·5	—	0·5	230	2·1	260	3·8	265	3·2
17	185	3·6	185	3·6	190	4·9	190	4·8	200	5·0	190	3·8	190	4·2	190	4·3	210	5·4	210	6·3	215	5·8	220	5·7
18	180	4·2	165	4·3	165	4·8	165	5·2	165	5·4	160	4·2	185	3·6	210	4·7	215	5·0	215	5·0	225	5·0	210	5·2
19	210	4·5	210	4·3	190	4·3	185	3·7	190	4·2	175	4·2	170	4·3	180	4·5	190	5·6	190	5·7	205	5·8	210	6·7
20	185	5·0	180	5·8	185	5·8	190	5·4	190	4·7	165	5·2	175	5·6	175	6·7	175	8·5	180	8·2	180	8·2	185	7·3
21	185	4·0	190	4·7	195	4·7	190	4·7	190	4·5	185	4·2	190	4·8	205	5·7	210	5·8	210	6·3	205	6·8	190	6·7
22	175	7·7	185	7·8	190	9·5	190	8·7	190	8·2	205	9·0	210	8·7	210	10·1	210	10·0	200	10·0	195	11·0	200	10·9
23	290	8·3	285	8·5	295	7·4	300	6·7	310	7·0	320	7·2	330	6·3	335	6·7	335	6·5	320	6·0	330	5·9	325	5·0
24	285	6·9	285	7·8	285	7·9	290	8·3	285	3·0	285	7·7	285	7·5	290	7·8	290	7·2	280	7·7	280	8·0	280	8·4
25	265	8·0	265	9·2	265	8·7	260	8·7	265	8·7	265	8·7	265	8·6	260	9·9	260	8·9	265	8·3	260	9·2	265	9·5
26	15	2·7	65	2·0	50	3·7	65	4·7	35	2·2	—	1·5	—	0·5	35	5·0	40	4·1	65	4·8	15	4·2	15	4·1
27	20	2·3	—	1·3	—	0·5	35	1·6	35	2·2	—	1·3	—	1·0	—	0·5	135	2·7	190	2·1	—	1·5	240	2·3
28	40	2·3	40	2·0	40	1·8	40	1·8	40	2·5	—	1·3	—	1·0	—	1·0	—	1·5	—	1·2	210	1·8	235	1·7
29	50	2·3	60	1·7	65	1·9	60	2·3	60	2·3	60	1·8	—	0·5	—	0·5	—	1·1	315	2·8	330	4·0	320	4·5
30	70	2·7	70	2·7	70	2·7	60	2·2	70	3·5	60	4·8	65	6·5	60	6·5	60	6·8	60	6·3	55	5·2	60	3·8
Mean ...	—	5·3	—	5·3	—	5·6	—	5·7	—	5·5	—	5·4	—	**5·2**	—	5·6	—	5·8	—	6·2	—	6·5	—	6·5

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

March, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
285	8·8	290	8·0	290	7·2	285	7·7	285	7·3	300	5·6	285	5·2	285	5·5	285	4·2	—	1·5	—	0·5	190	2·7	6·4	1
235	11·3	245	13·2	260	12·6	260	12·2	260	11·0	260	11·5	265	10·7	270	11·7	280	9·2	265	9·0	265	10·0	275	7·3	9·6	2
160	10·4	160	10·8	185	10·0	185	10·0	185	11·2	185	11·2	185	12·0	185	12·2	185	12·7	185	12·3	190	12·3	190	12·3	8·7	3
215	13·5	210	14·3	210	15·0	210	14·1	215	12·7	235	11·6	235	11·8	260	12·3	265	11·4	270	11·7	280	12·3	285	13·0	**12·7**	4
310	11·2	310	10·8	315	10·5	315	9·5	315	8·8	315	7·7	320	7·2	330	7·2	330	6·9	315	7·2	315	6·0	330	5·7	10·2	5
210	3·3	210	4·3	210	3·6	190	3·6	175	3·3	165	4·9	215	7·2	260	9·8	265	10·5	270	11·8	285	16·1	285	10·8	5·0	6
260	7·2	260	8·0	260	6·4	265	6·4	260	7·9	260	6·8	260	7·5	260	6·8	260	7·7	260	7·7	260	7·2	265	6·6	6·8	7
290	4·4	265	4·8	260	3·8	260	3·9	260	3·4	280	3·5	270	3·2	315	2·2	—	0·5	235	2·7	185	3·3	185	2·3	4·5	8
290	6·3	285	7·2	265	7·1	310	6·0	290	6·1	290	6·2	285	6·8	270	5·8	285	8·2	285	7·7	310	6·7	300	7·7	4·8	9
310	7·8	310	7·3	310	7·2	305	6·7	300	7·2	330	7·8	335	6·8	320	6·0	320	4·3	165	2·7	360	3·6	25	1·6	6·9	10
15	8·5	15	7·7	15	6·8	15	6·7	30	4·7	15	5·0	30	2·8	20	1·8	15	5·0	30	6·3	35	5·5	50	5·8	5·2	11
40	3·5	50	3·3	40	2·3	60	1·8	65	2·2	75	3·6	75	3·8	80	4·6	90	4·3	90	4·1	90	4·3	90	4·5	**3·0**	12
90	5·5	115	5·3	115	4·9	110	6·2	100	6·8	110	6·4	90	5·3	80	4·2	85	5·0	75	4·7	85	5·8	90	6·3	5·1	13
135	11·4	135	11·9	135	12·3	135	12·2	130	12·9	135	13·2	135	12·9	135	12·7	140	11·8	140	11·9	140	12·3	140	12·2	9·9	14
175	9·0	170	8·5	175	6·8	165	6·8	160	6·8	160	5·8	140	3·6	90	4·1	95	6·2	105	6·4	135	8·8	160	10·0	8·9	15
115	10·8	115	11·2	115	11·2	115	11·2	115	11·6	110	10·8	110	10·3	115	8·7	100	9·5	90	9·2	95	8·7	110	8·0	10·5	16
155	3·4	115	3·8	120	3·7	120	3·0	115	4·3	185	4·2	115	3·2	115	2·4	160	2·9	—	1·2	160	4·3	160	5·0	4·2	17
175	8·9	175	8·8	175	9·0	190	10·0	190	10·4	190	10·2	185	9·3	185	9·1	185	9·1	190	9·8	185	8·8	180	8·5	8·3	18
175	10·0	180	9·5	185	9·3	170	9·3	180	9·5	185	9·6	185	8·6	185	8·6	180	7·3	170	7·9	175	7·7	165	8·7	9·0	19
165	10·3	170	9·3	175	8·2	165	8·3	165	6·2	155	6·9	150	8·0	155	9·1	150	8·2	145	8·5	150	9·5	150	9·7	8·7	20
165	11·7	165	12·2	165	10·8	165	10·7	165	10·0	165	9·6	165	8·0	175	7·5	175	8·3	170	8·5	165	8·2	165	9·3	9·6	21
170	9·1	170	10·0	165	10·7	165	10·2	185	9·8	160	9·2	180	9·2	190	7·2	190	6·6	190	7·1	215	6·9	230	6·3	9·0	22
285	6·2	265	6·5	240	6·9	210	6·5	190	6·1	185	8·0	175	6·6	200	6·6	215	11·8	240	12·3	260	14·2	265	12·5	5·5	23
215	7·3	260	6·5	210	5·4	215	7·5	215	6·8	205	3·8	210	5·3	185	4·3	160	5·0	160	5·5	165	6·5	165	7·5	5·6	24
270	9·0	300	10·1	305	11·8	285	12·8	285	11·8	285	10·5	285	9·0	285	7·8	275	9·0	270	9·8	265	10·7	255	10·8	10·9	25
240	8·7	235	8·9	250	8·6	255	8·4	260	7·7	265	6·4	265	5·8	265	5·8	260	6·3	260	8·1	260	8·2	265	7·6	8·7	26
285	7·7	285	6·8	265	7·8	265	7·3	255	8·0	235	6·5	265	6·2	310	6·6	315	7·4	335	7·5	345	6·7	335	7·2	6·6	27
210	5·3	205	6·7	190	6·2	175	7·5	160	8·1	160	9·9	160	9·1	160	7·8	195	6·8	240	9·8	240	9·7	240	9·3	6·0	28
260	6·7	250	6·2	235	6·8	210	6·0	210	9·0	215	9·5	215	8·8	215	8·8	220	9·3	235	10·7	235	10·8	265	8·7	7·8	29
285	9·3	285	9·7	290	8·3	285	7·7	275	7·3	265	7·1	265	6·3	280	4·0	260	5·8	240	5·6	195	3·2	210	5·3	8·8	30
245	3·7	315	8·5	290	9·2	325	18·0	335	16·0	335	15·9	340	13·8	340	11·4	335	10·7	310	9·2	310	10·0	315	8·5	9·4	31
—	8·1	—	**8·4**	—	8·1	—	8·3	—	8·2	—	8·0	—	7·6	—	7·2	—	7·5	—	7·7	—	8·0	—	7·8	7·6	

April, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
270	3·8	265	3·7	260	3·5	260	3·7	230	3·7	225	3·2	205	2·7	180	3·2	165	3·5	150	5·0	140	5·8	140	6·3	5·1	1
235	5·9	260	5·7	320	10·2	335	12·8	360	8·5	360	8·7	15	8·2	15	6·8	15	6·2	10	5·0	15	5·2	10	3·7	8·1	2
165	7·8	170	6·7	170	7·2	165	8·2	165	7·8	165	7·4	160	8·2	160	8·3	160	8·7	175	8·3	180	7·7	180	7·5	5·1	3
210	10·5	210	11·3	215	10·7	235	9·2	230	8·8	220	9·5	215	8·6	215	10·3	215	10·1	215	11·2	215	11·8	215	11·8	9·6	4
210	7·6	190	8·2	210	7·6	205	7·2	195	6·6	190	6·5	190	5·0	180	4·2	190	4·2	215	4·9	185	3·4	190	4·7	7·4	5
240	7·2	235	6·3	235	6·3	215	5·4	245	5·3	215	5·0	215	4·4	215	4·3	215	3·7	225	4·3	255	4·5	275	4·8	5·8	6
265	6·6	295	4·2	260	6·8	275	6·5	270	7·0	260	6·5	265	5·5	240	6·7	235	5·8	265	3·5	210	3·3	—	0·5	5·3	7
315	3·9	315	5·0	335	6·6	340	6·7	355	7·0	10	8·0	15	8·4	20	9·4	25	7·7	25	10·1	25	10·5	25	9·9	4·7	8
15	9·2	15	9·3	10	10·0	10	10·2	360	10·1	360	12·3	360	11·7	360	9·9	360	10·3	360	10·0	360	11·0	360	10·0	9·5	9
10	12·4	10	11·8	5	12·6	10	12·7	10	12·1	360	11·1	10	8·5	10	6·2	10	8·0	360	7·2	5	6·6	10	4·5	**10·4**	10
325	8·2	340	8·7	340	8·5	335	9·0	340	9·0	340	9·1	340	8·1	340	8·3	340	8·2	340	7·8	340	7·2	345	6·3	6·5	11
265	4·0	265	3·3	265	3·3	265	3·5	265	3·0	260	2·8	265	3·7	260	4·3	260	3·7	245	4·3	235	5·4	235	5·0	4·0	12
215	6·8	210	7·6	210	7·6	210	7·2	215	7·2	215	6·2	215	7·7	215	7·7	215	9·0	215	9·2	215	9·0	215	9·2	6·9	13
260	5·7	265	3·7	275	3·7	310	6·0	340	5·2	330	6·8	325	3·5	335	4·3	315	5·8	315	6·5	320	6·2	315	6·3	6·8	14
330	8·3	335	8·5	335	8·0	340	7·8	340	6·7	340	5·3	330	4·5	335	3·5	340	2·7	340	2·6	340	1·9	340	1·6	6·5	15
260	3·5	260	3·8	260	2·7	235	3·9	230	3·7	215	4·3	210	3·7	210	2·9	220	3·7	220	3·5	205	3·0	190	3·2	2·6	16
220	5·2	215	5·7	220	5·7	235	5·2	235	4·3	230	4·3	225	4·3	210	4·0	210	3·7	210	2·2	180	2·5	180	2·4	4·5	17
205	5·5	205	6·0	185	5·8	190	5·8	190	5·4	210	6·0	195	4·8	185	4·5	165	4·0	170	5·2	180	4·0	180	3·8	4·9	18
210	7·0	210	6·4	210	6·7	210	6·8	210	7·1	205	6·3	200	6·0	185	5·8	185	6·8	185	6·2	180	5·7	185	5·3	5·5	19
190	7·5	210	7·2	200	6·5	190	6·7	200	6·0	210	5·0	210	4·7	215	3·7	210	3·5	210	3·7	210	3·4	205	3·5	5·8	20
195	6·7	190	7·3	190	7·3	190	7·3	190	7·3	190	8·2	195	8·0	190	7·7	190	8·0	190	8·6	190	9·0	190	7·7	6·4	21
200	10·5	215	10·0	290	4·5	265	4·2	260	5·2	265	5·3	285	6·6	280	6·0	280	7·1	270	7·2	275	7·8	285	7·7	8·1	22
310	5·1	285	5·0	270	5·7	275	5·5	300	5·0	310	5·3	295	5·2	290	5·0	285	6·2	285	6·3	285	6·7	285	7·2	6·2	23
285	9·2	285	9·0	285	9·9	285	9·6	285	9·0	285	9·0	275	8·7	280	8·2	280	8·2	275	7·9	280	7·7	275	7·8	8·2	24
275	9·7	280	10·0	290	10·0	315	9·3	315	10·0	315	8·2	310	7·6	315	7·7	330	6·2	345	4·6	360	3·2	360	2·5	8·3	25
15	4·0	15	4·9	30	5·5	15	3·8	340	5·5	335	6·5	355	5·3	360	5·2	360	4·2	15	2·0	15	2·0	20	2·2	3·8	26
250	3·0	265	4·0	260	4·6	265	4·6	265	3·8	275	2·7	300	1·7	—	0·5	—	0·5	—	1·5	30	2·2	30	2·5	**2·1**	27
270	2·2	265	2·3	285	2·9	310	2·7	325	3·8	335	4·5	340	4·7	355	3·7	—	1·5	—	1·3	30	2·0	15	1·7	2·2	28
310	5·2	315	5·0	315	4·8	310	3·3	290	3·1	310	2·8	330	4·8	360	4·0	30	4·2	25	5·2	35	3·8	60	3·1	3·1	29
25	4·0	35	4·5	30	3·7	40	3·0	65	2·8	65	4·2	65	5·0	65	5·3	65	5·5	75	5·0	75	4·7	85	5·5	4·4	30
—	6·5	—	6·5	—	**6·6**	—	6·6	—	6·3	—	6·4	—	6·0	—	5·7	—	5·7	—	5·7	—	5·6	—	5·3	5·9	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

416. Cahirciveen (Valentia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above
Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	80	5·0	85	4·3	85	4·8	90	5·0	90	4·6	85	4·2	90	4·7	110	5·8	110	6·0	115	5·8	135	7·1	115	7·2
2	155	13·0	165	10·5	185	6·8	210	7·7	200	6·4	190	6·8	190	7·3	200	8·3	190	8·7	205	9·9	210	10·7	215	11·3
3	140	7·5	135	10·0	150	9·7	180	8·1	180	6·8	180	7·2	185	8·2	190	8·2	205	7·7	210	6·7	210	5·8	215	4·5
4	10	3·3	10	3·8	360	3·6	360	3·1	360	4·3	355	5·0	10	5·7	355	7·1	10	5·3	355	5·8	355	7·3	355	7·3
5	35	4·3	80	3·1	80	4·0	75	4·9	85	5·7	75	6·2	65	4·7	—	1·0	—	0·5	—	0·5	295	1·7	225	2·5
6	—	0·5	30	1·7	—	1·5	—	1·3	30	1·6	—	1·4	—	1·0	—	0·5	—	0·5	—	0·5	285	1·8	265	3·0
7	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	110	2·3	90	5·0	90	4·9	135	5·0	140	5·3	135	5·0	145	4·3
8	—	0·5	—	0·5	—	0·5	—	0·5	65	5·5	70	6·8	75	6·0	85	5·8	85	6·5	75	4·1	115	4·5	140	5·7
9	160	1·7	180	3·6	190	3·1	190	2·2	180	1·8	—	1·5	185	2·2	175	3·5	165	3·4	165	3·1	170	3·7	175	4·6
10	240	2·1	265	3·2	—	0·5	—	0·5	—	0·5	—	0·5	—	1·4	10	2·2	325	3·2	315	3·6	325	4·7	330	5·8
11	—	0·5	—	0·5	—	0·5	—	0·5	—	1·0	—	0·5	—	1·3	—	1·0	—	1·1	185	2·0	180	3·2	165	5·3
12	—	1·0	260	2·0	—	0·5	265	1·8	—	1·5	270	1·7	270	1·7	275	2·7	310	5·0	355	7·7	355	6·7	355	7·6
13	310	3·1	310	2·3	330	2·7	345	4·0	350	3·3	345	3·3	335	4·6	335	4·9	340	5·3	335	6·2	335	6·6	325	6·3
14	185	2·8	175	3·8	190	4·2	210	4·7	200	4·7	200	5·5	200	6·2	210	7·0	225	8·2	215	9·3	225	8·5	225	7·7
15	—	1·2	—	0·5	—	1·0	—	1·3	170	2·5	195	2·0	180	2·7	170	3·3	160	3·8	170	2·5	175	2·7	185	1·7
16	—	0·5	—	0·5	—	1·5	—	0·5	—	0·5	—	1·2	—	1·2	15	2·0	360	3·2	355	2·7	330	4·5	315	4·5
17	—	0·5	360	2·2	360	2·1	360	1·6	—	0·5	—	0·5	—	1·4	—	1·0	—	0·5	—	1·3	—	0·5	280	1·7
18	—	1·5	65	1·8	65	2·2	65	2·2	65	1·8	—	1·2	—	0·5	—	1·0	—	0·5	290	2·2	315	4·2	290	3·4
19	65	5·2	65	5·5	45	6·0	60	5·3	60	5·6	60	6·8	65	7·0	55	7·3	55	7·6	40	6·5	40	4·6	360	6·9
20	—	0·5	—	1·0	55	1·7	55	2·0	—	1·2	200	2·0	230	4·0	245	5·7	260	6·0	255	5·8	235	6·9	230	7·5
21	285	7·3	285	7·8	285	7·4	300	7·3	300	7·3	305	7·2	310	8·0	315	8·2	310	7·8	325	8·7	340	8·6	335	9·3
22	360	5·3	360	5·0	360	6·0	360	5·2	360	5·2	360	4·3	10	4·2	355	5·7	355	5·8	335	5·8	330	5·8	325	5·7
23	—	1·2	245	3·2	235	3·0	235	3·7	225	3·3	220	4·0	225	3·8	225	5·0	240	5·5	260	5·7	260	5·4	260	5·1
24	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	10	1·7	340	3·2	350	4·2
25	—	0·5	115	1·8	—	1·5	60	1·7	60	1·8	—	0·5	—	0·5	65	1·7	105	3·8	110	4·2	120	5·1	135	4·2
26	—	0·5	—	0·5	—	0·5	190	1·7	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	295	2·1	315	2·5	335	3·6
27	—	0·5	—	0·5	—	0·5	70	1·9	75	2·2	80	1·8	—	1·0	—	1·0	—	1·0	—	1·3	265	1·8	280	2·7
28	130	4·4	120	5·6	90	5·5	95	5·7	80	3·8	90	5·9	90	5·6	85	4·3	70	2·8	60	2·6	60	5·0	60	5·5
29	75	2·8	60	1·7	75	4·5	85	6·5	85	6·3	85	5·5	80	5·8	65	6·1	60	6·2	55	8·3	40	7·8	40	8·2
30	65	8·2	65	9·0	65	8·2	70	6·2	80	3·6	60	4·3	75	9·7	80	10·0	65	10·5	65	8·8	60	8·3	60	7·5
31	40	4·9	35	3·5	25	4·7	35	5·2	60	4·3	35	5·0	40	3·5	20	5·0	55	5·2	35	6·3	5	6·4	5	6·8
Mean ...	—	2·9	—	3·2	—	3·2	—	3·3	—	3·2	—	3·4	—	3·9	—	4·2	—	4·5	—	4·7	—	5·2	—	5·5

417. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·5	—	1·2	45	1·7	25	2·3	35	2·3	5	3·1	345	6·0	345	6·0	335	6·3	335	6·7	325	6·7	330	6·0
2	315	3·8	—	1·2	310	3·3	290	2·2	310	3·3	315	3·6	310	3·9	315	5·5	320	5·7	330	6·2	290	5·8	280	6·2
3	265	6·5	265	7·7	280	7·6	235	6·3	235	5·3	260	6·0	240	6·8	260	7·6	285	7·1	290	5·9	290	5·7	285	6·1
4	290	3·2	270	5·0	300	3·5	290	3·1	290	3·0	285	3·3	285	3·5	240	3·8	220	4·1	220	3·8	235	3·8	275	3·6
5	180	5·0	185	4·2	165	6·3	165	7·2	165	5·7	210	5·2	260	6·4	290	9·9	290	11·1	295	10·2	295	8·8	285	10·1
6	290	8·5	300	7·8	290	7·7	290	7·3	290	7·5	295	7·0	290	6·3	290	6·2	290	6·3	285	6·4	285	6·2	285	5·5
7	—	1·2	—	0·5	40	2·2	50	2·8	50	2·8	50	2·8	70	2·8	175	4·2	170	5·7	235	6·1	245	5·8	270	5·0
8	345	3·5	330	5·2	340	4·8	355	5·1	360	5·5	355	5·3	340	5·3	340	5·6	340	5·0	310	4·7	290	4·7	305	4·8
9	110	1·7	65	2·3	65	1·8	65	1·7	65	2·2	65	2·0	65	2·2	135	3·0	165	3·3	180	5·1	160	3·7	160	3·8
10	170	5·7	175	5·0	170	5·0	170	4·5	180	5·0	175	5·0	180	4·5	180	5·4	185	5·2	190	5·0	185	5·0	190	5·2
11	—	0·5	—	1·2	110	3·2	65	2·5	65	1·7	75	2·5	75	4·0	80	5·3	75	5·2	65	4·3	65	4·0	50	3·3
12	90	1·7	65	2·1	65	2·4	60	2·0	70	2·3	—	1·2	115	1·7	—	0·5	—	0·5	270	1·6	280	2·0	260	4·0
13	60	2·0	—	0·5	—	0·5	—	1·1	60	2·2	—	1·2	—	1·2	45	1·7	335	1·6	320	2·1	345	2·2	350	4·5
14	—	1·5	—	1·2	—	0·5	—	1·3	60	1·7	60	1·9	45	2·0	—	1·2	15	2·0	125	2·7	215	3·3	265	4·0
15	115	5·5	115	6·3	95	6·7	110	5·7	110	5·9	135	5·8	135	7·2	140	6·9	140	6·3	160	9·3	160	10·0	160	10·0
16	165	12·3	175	12·7	180	12·5	180	12·0	185	11·5	185	10·4	190	9·7	210	7·3	200	5·7	210	5·5	200	6·8	205	6·9
17	185	9·2	215	9·7	220	6·6	215	5·0	215	5·4	220	5·7	220	6·7	240	6·7	260	6·7	260	7·3	260	8·3	260	8·7
18	240	8·5	235	7·9	235	8·2	235	7·0	225	6·8	215	6·5	225	7·0	225	6·0	230	6·0	215	4·3	235	2·3	—	1·2
19	295	8·1	290	8·0	280	9·3	285	9·8	285	8·4	285	8·3	285	8·7	290	8·2	285	8·5	285	8·0	285	8·6	285	8·6
20	230	3·8	225	3·7	215	3·1	190	3·2	190	3·8	170	3·8	160	4·8	155	6·8	155	8·5	160	10·5	170	10·6	180	10·0
21	240	9·2	245	9·5	240	9·3	250	10·0	260	9·6	260	9·0	265	9·7	265	10·1	260	9·2	275	8·2	280	7·8	285	7·3
22	275	4·0	240	4·2	220	3·7	225	5·0	225	5·8	215	5·7	210	6·7	210	8·3	215	9·3	210	10·0	210	10·3	215	10·7
23	285	7·8	285	7·2	285	7·8	285	8·3	290	8·0	290	7·0	290	6·8	285	7·8	285	7·3	275	7·5	275	7·4	265	6·7
24	260	11·5	265	11·2	285	9·8	290	10·0	290	10·0	290	9·0	310	10·0	310	9·7	310	10·0	315	10·1	330	10·0	325	9·7
25	280	4·3	270	4·7	240	3·5	215	3·8	215	5·1	255	6·2	255	6·5	260	6·7	280	6·2	290	6·3	285	5·9	290	6·3
26	340	10·3	345	10·7	355	10·3	350	10·0	355	8·8	360	8·9	360	9·3	360	9·7	360	10·7	355	12·8	350	12·2	340	11·0
27	340	9·7	340	8·0	335	7·7	335	7·0	335	7·3	330	7·8	355	6·8	335	7·2	340	6·4	340	5·9	325	5·8	310	5·2
28	—	1·1	—	1·2	—	1·3	340	1·7	—	1·5	335	2·5	315	3·2	325	4·2	315	3·5	290	3·3	275	4·6	270	5·0
29	340	5·0	340	4·5	340	4·3	320	5·2	315	4·8	335	5·3	330	3·6	310	2·8	285	3·5	290	5·5	280	5·2	275	4·5
30	60	2·1	—	1·2	—	0·5	—	0·5	—	1·1	—	0·5	65	1·8	60	1·6	40	2·0	40	3·3	60	3·8	40	3·9
Mean ...	—	5·3	—	5·2	—	5·2	—	5·1	—	5·1	—	5·1	—	5·5	—	5·9	—	6·0	—	6·3	—	6·2	—	6·3

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres.

May, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
125	8·3	135	10·0	115	9·9	115	9·7	135	10·0	130	10·8	135	11·1	140	11·2	140	11·9	140	11·2	140	12·4	140	13·3	7·9	1
215	10·5	215	10·0	215	9·5	215	8·8	215	8·7	215	8·2	215	6·5	195	5·4	185	4·8	185	4·7	180	5·8	160	6·3	**8·3**	2
215	4·9	240	4·3	265	3·1	265	2·7	265	1·7	—	0·5	290	2·1	—	0·5	—	0·5	40	1·6	—	1·3	35	2·2	4·9	3
10	6·5	360	6·7	360	6·8	350	7·2	355	7·2	360	5·7	10	6·7	10	6·7	10	7·7	10	6·8	15	5·2	15	5·3	5·8	4
260	4·3	260	3·3	280	3·0	310	2·7	285	2·2	285	2·1	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	20	1·7	2·6	5
260	3·8	260	3·0	260	2·1	—	1·5	—	1·2	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	**1·3**	6
165	5·0	190	5·7	185	6·2	175	6·2	185	5·0	175	5·0	175	4·5	180	3·2	160	2·0	—	0·5	—	0·5	—	0·5	3·3	7
185	4·3	135	2·5	110	4·5	65	4·7	115	3·2	—	1·5	—	1·5	150	4·1	190	3·2	—	0·5	—	1·1	160	3·6	3·3	8
180	6·2	190	6·7	220	7·0	220	6·7	215	6·2	215	4·9	220	3·8	215	3·7	210	2·4	210	2·2	215	2·2	230	1·7	3·7	9
320	5·8	315	5·2	315	4·5	325	5·8	335	6·0	340	5·9	335	4·7	35	2·6	70	3·6	80	2·2	—	0·5	—	1·4	3·2	10
185	6·2	185	5·7	190	4·8	190	4·2	230	4·3	235	3·0	—	1·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	2·1	11
350	7·3	350	8·5	340	8·5	340	8·2	350	7·3	340	7·2	340	6·3	350	4·3	355	3·4	340	3·2	355	1·8	315	2·4	4·5	12
330	7·2	315	5·7	315	5·2	310	5·0	310	4·7	310	4·2	300	3·2	—	1·2	—	0·5	—	1·3	—	0·5	160	1·7	3·9	13
265	5·8	265	4·2	265	3·7	300	3·7	285	3·5	310	3·0	300	2·3	295	1·7	—	1·5	—	0·5	—	0·5	—	0·5	4·3	14
—	0·5	25	1·7	30	4·7	15	7·0	15	5·7	325	5·3	290	4·8	290	3·0	290	1·7	290	1·9	—	1·2	—	0·5	2·6	15
320	6·0	315	5·5	315	6·0	320	5·6	335	5·0	325	5·2	315	5·0	315	4·1	325	3·2	—	1·2	—	0·5	—	0·5	2·9	16
270	3·9	275	4·1	280	3·9	275	4·3	275	3·5	265	2·4	—	1·5	—	0·5	—	0·5	—	1·2	65	2·0	—	1·4	1·8	17
300	4·1	335	6·3	335	6·7	5	7·3	10	7·7	5	7·2	15	5·0	45	3·7	40	4·0	35	5·3	55	3·6	60	4·2	3·6	18
360	6·0	360	7·1	360	7·2	360	6·8	360	6·1	360	5·8	340	5·8	340	5·8	355	3·7	10	2·3	25	1·7	—	1·3	5·6	19
230	8·0	235	7·8	240	8·1	245	7·8	250	8·3	250	8·0	260	8·1	285	6·8	285	5·5	290	6·7	285	6·4	290	6·4	5·4	20
335	10·3	335	9·7	330	9·4	340	9·0	340	9·1	340	8·2	340	8·3	355	8·2	355	7·2	345	6·7	360	6·7	360	5·8	8·1	21
335	5·1	335	5·0	315	4·7	295	4·0	270	4·7	285	4·1	285	2·2	—	1·0	225	1·8	185	2·2	180	1·8	—	0·5	4·3	22
260	5·0	260	5·3	260	5·7	255	5·5	260	6·0	260	5·5	260	4·6	245	2·7	205	2·0	180	2·2	—	1·3	—	0·5	4·0	23
350	5·8	355	6·7	340	5·6	220	5·5	210	5·8	215	4·5	210	2·5	—	0·5	—	0·5	—	0·5	—	0·5	60	2·2	2·3	24
130	4·4	100	4·3	90	3·5	55	2·2	285	1·7	—	0·5	—	0·5	—	0·5	—	1·3	—	0·5	—	1·0	—	1·0	2·1	25
285	3·5	265	4·3	265	4·3	270	3·8	275	2·5	—	1·1	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	1·6	26
285	2·5	280	2·7	330	5·0	340	5·2	335	5·7	35	2·5	85	1·8	80	2·3	75	4·7	85	6·2	105	6·7	100	7·6	2·7	27
215	2·8	260	3·5	265	2·2	215	1·7	75	3·5	110	5·7	110	5·6	110	4·7	110	4·5	85	5·7	90	4·6	95	3·1	4·4	28
15	9·8	10	8·0	5	10·5	5	9·6	15	9·9	35	7·7	40	7·1	35	7·7	50	6·2	60	5·4	65	6·2	65	6·8	6·8	29
40	7·8	35	7·3	20	7·3	15	7·8	25	7·7	25	7·9	20	8·2	25	7·8	25	7·6	30	7·2	40	7·7	65	5·2	7·7	30
10	7·3	10	6·7	360	7·2	360	7·3	360	6·7	360	6·3	360	5·8	360	3·2	360	2·4	—	1·4	—	0·5	—	0·5	4·9	31
—	**5·8**	—	5·7	—	5·8	—	5·7	—	5·5	—	4·9	—	4·3	—	3·5	—	3·2	—	3·0	—	**2·8**	—	2·9	4·2	

June, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	
335	6·3	325	6·3	320	6·2	310	6·1	315	6·5	310	6·2	325	5·7	320	5·3	325	4·9	320	3·8	330	2·6	335	1·6	4·6	1
280	5·8	280	6·5	280	6·3	280	7·2	280	6·3	280	5·8	280	6·7	285	6·5	285	6·3	285	5·7	280	5·5	280	5·2	5·1	2
310	5·8	295	5·7	290	5·7	290	5·8	290	5·7	310	4·6	300	5·0	310	4·2	300	3·8	300	3·5	310	2·7	300	3·0	5·6	3
285	3·6	275	3·2	270	4·5	280	4·3	280	3·3	280	2·2	—	0·5	—	0·5	360	1·6	—	1·1	120	1·6	165	4·3	3·1	4
285	10·4	305	9·6	310	9·6	290	8·8	290	8·2	290	8·8	290	9·2	290	9·0	290	9·3	290	9·3	290	9·3	290	8·7	8·3	5
275	5·3	270	5·7	290	4·8	280	4·3	315	4·2	330	3·2	315	2·7	315	2·3	—	0·5	—	1·2	35	1·6	40	2·2	5·2	6
270	4·6	270	5·3	280	5·8	275	5·0	265	5·8	275	5·6	280	4·9	280	4·3	290	3·6	310	4·2	335	3·8	355	2·2	4·0	7
285	5·0	280	5·2	275	5·0	275	5·0	280	5·0	290	4·4	290	4·2	300	3·2	305	3·0	305	2·7	—	1·5	225	1·6	4·4	8
170	5·3	160	5·0	160	5·7	180	6·7	160	7·3	165	7·7	165	7·5	175	6·3	175	6·7	165	7·3	170	6·8	170	6·3	4·5	9
190	5·5	190	5·3	180	5·5	185	5·2	180	5·0	175	4·1	175	2·2	—	1·1	175	1·9	—	0·5	—	0·5	—	0·5	4·2	10
60	4·2	60	4·5	60	4·6	50	4·6	35	5·5	55	5·0	40	2·7	65	1·7	90	2·0	—	0·5	—	0·5	—	0·5	3·1	11
265	3·3	270	3·8	270	3·7	260	2·7	—	1·5	—	1·2	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	65	1·7	**1·8**	12
355	5·0	340	4·3	315	2·7	80	3·4	40	3·5	60	3·3	75	3·6	85	3·7	85	4·2	—	0·5	—	0·5	—	0·5	2·4	13
260	4·2	265	3·2	275	3·7	285	2·9	285	1·7	260	2·1	—	0·5	50	2·2	—	0·5	—	0·5	135	3·8	100	6·7	2·2	14
165	10·0	160	9·9	160	10·0	160	9·3	165	10·8	165	10·0	160	11·3	160	11·2	160	11·8	160	12·0	160	12·3	160	12·8	8·9	15
190	5·7	195	7·0	210	6·9	200	6·5	200	6·8	185	6·8	190	7·0	185	6·8	190	7·3	185	7·7	190	8·3	190	7·8	8·3	16
260	9·3	260	10·0	255	10·0	260	9·9	260	10·7	255	10·3	250	10·0	240	8·8	240	8·7	235	8·5	235	8·8	240	8·2	8·3	17
280	2·6	300	2·2	270	3·0	270	5·1	290	7·5	285	6·2	285	8·3	290	7·8	285	7·9	285	7·8	285	7·3	290	7·8	6·1	18
285	8·1	285	8·2	285	7·5	285	7·3	285	7·2	285	6·7	285	5·8	280	5·0	280	4·0	265	4·8	260	4·7	260	5·0	7·4	19
185	10·0	195	11·9	210	12·7	210	14·0	215	12·3	230	11·7	235	10·8	235	9·5	240	8·7	235	8·8	240	8·5	240	8·9	8·3	20
280	6·8	285	5·7	285	6·0	290	6·5	290	6·7	285	6·7	290	5·8	290	5·7	290	5·4	290	4·9	290	4·2	285	3·6	7·5	21
225	11·4	230	8·7	260	7·9	260	8·2	260	7·6	270	7·2	280	7·2	285	7·8	285	8·3	285	6·3	290	7·0	290	8·0	7·4	22
270	6·8	260	7·2	260	8·2	260	8·4	255	7·8	245	7·9	240	7·5	235	8·7	235	10·0	240	11·6	250	12·5	260	13·5	8·2	23
335	10·0	335	10·0	340	9·2	340	8·2	330	7·1	325	6·7	320	6·4	315	4·0	315	3·6	310	3·6	300	3·2	290	3·3	8·4	24
290	5·7	280	5·0	285	6·3	290	7·2	290	7·0	310	7·2	330	7·7	335	7·3	335	8·7	345	8·7	345	9·2	345	9·8	6·3	25
340	12·2	355	11·4	345	11·5	350	11·2	340	10·5	340	11·0	340	11·0	350	11·0	350	10·3	355	9·6	355	9·5	355	9·5	**10·6**	26
330	5·5	310	5·0	300	5·0	300	5·2	300	5·6	315	5·4	330	5·4	320	4·5	320	3·7	335	2·2	—	1·3	340	1·8	5·8	27
270	4·3	275	3·8	260	4·2	230	4·6	215	4·5	275	4·7	310	5·0	315	5·5	320	4·7	315	4·1	305	4·0	335	5·2	3·6	28
315	3·3	355	1·7	335	3·5	330	3·2	360	3·2	10	3·2	25	3·5	30	2·7	—	1·5	—	0·5	25	2·3	40	1·7	3·6	29
60	3·6	10	3·6	350	5·2	15	4·6	10	5·2	360	5·6	10	5·6	10	3·6	10	2·6	10	2·0	—	1·3	—	1·0	2·8	30
—	6·3	—	6·2	—	**6·4**	—	6·4	—	6·3	—	6·1	—	5·8	—	5·4	—	5·2	—	**4·8**	—	4·9	—	5·1	5·7	
13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

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

418. Cahirciveen (Valentia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	340	2·3	330	2·3	335	2·3	335	2·6	330	3·3	335	2·0	310	4·5
2	310	4·3	315	5·6	330	4·3	320	2·6	280	3·3	280	4·9	280	5·6	285	3·9	285	3·6	280	4·6	275	4·3	265	4·3
3	160	7·0	155	7·3	175	6·5	180	4·5	190	5·0	180	5·5	180	5·8	180	6·7	190	6·3	180	7·3	180	8·9	165	8·5
4	180	9·5	180	10·6	180	10·7	185	10·0	190	10·7	200	10·7	210	9·2	210	9·3	210	10·6	210	11·0	210	10·3	205	10·7
5	170	5·3	165	5·2	180	3·8	180	3·8	180	4·0	165	5·2	165	5·7	175	6·8	185	7·7	185	8·1	185	9·2	185	9·5
6	185	6·8	175	7·3	180	7·7	180	7·7	175	7·7	165	7·8	175	8·0	180	8·2	180	7·8	180	7·8	180	8·0	175	7·7
7	—	0·5	80	1·8	—	1·5	—	0·5	—	0·5	—	1·5	60	3·0	60	3·7	60	5·0	40	4·5	25	5·2	10	7·2
8	30	2·8	35	1·6	—	0·5	310	2·2	335	3·2	350	3·7	360	3·9	360	3·5	10	5·0	15	3·5	20	3·5	40	2·3
9	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	10	2·2	360	2·2	10	2·7	15	2·8	350	3·5	335	3·5	335	6·3
10	360	6·5	360	5·8	360	6·8	360	6·8	360	6·7	360	8·0	360	8·5	360	7·8	360	7·3	360	8·5	360	8·3	360	8·4
11	350	5·1	5	5·0	10	5·7	15	5·3	40	2·3	35	1·8	15	4·0	45	2·0	40	2·7	20	4·0	10	4·7	5	3·7
12	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	—	0·5	—	0·5	—	1·4	330	2·2	330	2·7	285	2·5
13	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	335	2·5	340	3·2	335	4·7
14	—	0·5	—	0·5	—	1·2	—	1·1	—	0·5	—	1·0	—	0·5	340	3·4	340	3·7	335	3·7	325	4·7	325	5·5
15	—	1·5	—	0·5	—	0·5	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	300	1·6	285	2·3
16	—	0·5	—	0·5	—	0·5	—	1·4	—	1·3	—	0·5	—	0·5	—	0·5	—	1·0	275	3·5	275	4·2	265	4·2
17	—	1·1	—	1·0	—	1·3	—	0·5	—	1·0	—	0·5	—	0·5	—	0·5	—	1·0	260	3·0	265	2·8	265	1·8
18	—	0·5	—	0·5	—	1·1	—	1·3	65	1·8	—	0·5	—	0·5	—	0·5	135	3·5	135	3·5	135	2·5	115	3·3
19	110	9·2	110	10·5	110	8·5	110	9·8	110	11·5	110	8·9	105	9·5	100	9·3	135	6·2	140	5·1	150	5·3	160	6·0
20	190	6·0	190	5·8	190	6·2	190	5·8	190	5·9	205	6·2	210	5·7	210	5·7	210	5·7	210	5·7	215	6·2	215	6·2
21	210	3·7	210	4·1	225	4·3	230	4·6	230	4·8	235	4·3	225	4·7	250	5·7	285	4·4	335	3·7	335	5·0	340	6·0
22	320	5·3	335	6·1	325	6·0	340	6·1	350	5·7	315	4·9	330	5·5	335	6·3	335	6·2	335	6·8	335	6·3	315	6·5
23	300	4·3	290	4·8	290	3·6	285	4·0	290	4·7	300	3·8	300	3·5	270	2·7	265	4·3	265	4·0	270	5·0	265	5·3
24	235	3·3	235	3·5	240	3·8	260	3·7	265	3·3	290	3·2	320	5·3	335	5·4	335	5·4	325	4·7	320	4·6	320	3·8
25	205	3·5	190	3·7	185	3·4	165	4·3	165	5·1	160	4·3	160	6·0	165	4·8	190	5·5	210	6·2	210	6·8	210	7·7
26	170	7·2	175	7·2	180	7·7	180	8·3	180	8·0	170	8·3	180	9·0	170	9·7	175	9·3	180	9·5	185	9·2	190	7·3
27	200	3·7	190	3·2	185	3·3	185	2·8	180	2·3	—	0·5	—	0·5	270	1·8	315	2·2	310	3·8	310	4·5	285	4·7
28	290	3·7	290	4·2	290	4·2	285	3·3	285	3·3	285	3·0	285	2·2	285	2·2	285	2·2	280	2·2	235	3·3	210	3·6
29	160	4·3	160	3·3	160	3·8	170	3·8	180	3·8	190	3·2	210	3·5	220	3·4	230	4·3	220	4·2	315	4·3	225	4·7
30	185	4·7	185	4·7	180	4·7	170	4·3	175	4·7	185	5·0	190	5·6	185	6·6	190	7·2	210	7·7	215	7·8	210	8·5
31	210	6·2	210	6·2	210	6·2	215	6·3	215	7·0	215	7·3	215	8·3	215	8·7	215	8·3	220	8·8	220	8·8	225	8·6
Mean ...	—	3·8	—	4·0	—	3·9	—	**3·8**	—	3·9	—	3·9	—	4·2	—	4·4	—	4·7	—	5·1	—	5·4	—	5·7

419. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	275	3·2	280	3·9	285	4·7	270	5·4	285	4·0	290	4·2	290	3·7	290	3·8	285	4·7	290	5·5	310	5·5	285	3·5
2	215	5·5	215	4·2	200	5·0	210	5·6	210	5·3	205	5·0	210	6·0	210	6·8	215	7·5	215	7·2	225	8·2	225	8·2
3	210	6·7	210	5·4	190	4·0	185	4·7	185	4·5	190	5·4	190	5·4	185	5·8	180	6·7	190	6·5	185	6·6	185	6·5
4	115	3·2	115	3·5	110	2·8	100	2·3	95	2·3	—	0·5	—	0·5	—	0·5	80	2·0	—	1·5	185	2·0	210	1·6
5	—	0·5	—	1·5	80	1·7	70	1·7	—	1·5	—	1·5	—	0·5	—	1·5	—	1·2	—	1·3	310	1·7	—	1·5
6	—	0·5	—	0·5	—	0·5	—	1·5	—	0·5	—	0·5	—	0·5	—	0·5	135	2·5	140	3·8	140	3·2	110	4·5
7	140	5·7	140	6·7	140	6·0	135	6·2	135	7·0	125	6·7	115	6·0	110	6·5	110	7·5	115	5·8	110	6·2	105	6·2
8	90	5·0	95	5·0	90	5·0	90	4·7	110	5·0	90	5·1	90	5·2	100	4·8	105	5·0	110	5·2	110	5·0	110	5·2
9	335	2·2	—	0·5	—	0·5	—	1·5	315	2·2	310	2·3	315	4·2	315	5·7	290	5·0	280	4·4	275	5·0	275	5·0
10	190	6·3	190	6·8	190	6·3	190	5·3	190	5·7	190	7·5	190	8·5	190	6·7	190	6·2	190	6·3	190	6·3	190	6·5
11	210	6·3	190	5·3	190	6·3	190	5·8	190	6·2	185	6·2	180	7·3	175	8·2	175	8·2	180	8·2	185	7·9	180	8·2
12	210	6·7	210	6·5	210	5·7	210	5·7	210	6·0	210	5·8	210	5·6	210	5·3	210	5·0	210	4·7	210	5·3	210	5·3
13	—	1·3	—	1·2	80	3·2	90	2·7	100	3·7	105	5·0	105	5·0	105	5·0	115	4·3	165	5·3	205	6·0	210	6·2
14	210	6·0	215	6·8	235	6·4	260	6·5	270	5·7	280	6·8	290	8·3	290	7·9	290	7·2	290	6·8	280	6·7	280	6·5
15	280	6·2	285	7·1	310	5·3	295	6·6	290	7·6	290	8·1	290	9·1	290	9·2	290	8·9	290	9·0	290	9·0	295	9·5
16	315	5·8	310	5·1	305	5·5	295	5·7	290	5·1	290	5·0	290	4·6	295	4·5	285	5·0	275	5·0	275	5·4	270	5·6
17	185	4·7	195	4·1	180	4·6	180	5·0	180	3·8	175	5·5	170	6·3	170	5·9	165	6·5	165	7·4	165	8·1	160	7·6
18	75	4·0	60	3·9	60	4·8	55	4·8	55	3·7	35	5·2	15	7·2	20	9·1	15	10·0	15	9·7	15	9·8	10	10·0
19	340	6·8	330	6·1	325	5·8	320	6·0	325	5·8	325	4·9	320	5·0	315	4·6	275	3·9	285	4·6	275	4·8	270	5·1
20	160	10·2	185	7·6	215	9·1	225	8·9	245	7·6	240	6·4	235	5·8	235	6·0	235	5·2	225	6·8	225	7·4	225	8·2
21	195	7·3	200	8·8	200	9·4	200	8·9	205	10·0	205	8·9	210	8·5	210	8·7	210	9·3	210	9·8	210	10·2	210	10·4
22	275	7·5	275	8·0	280	7·9	275	7·2	280	8·2	285	7·0	285	6·8	285	6·6	300	6·7	310	8·6	315	9·1	325	7·9
23	305	3·5	310	4·1	315	4·3	320	4·9	345	4·1	325	4·6	325	4·4	315	4·1	290	5·0	295	5·1	325	5·6	315	6·3
24	215	3·3	210	4·0	225	6·7	215	5·5	210	4·8	220	5·3	225	4·7	225	5·9	265	4·9	295	6·2	280	6·1	275	6·8
25	360	3·5	355	3·3	350	4·3	345	3·9	—	1·3	—	1·5	345	2·3	340	3·4	335	4·6	325	3·7	305	3·4	285	3·5
26	235	4·1	235	4·5	225	5·1	225	5·3	225	5·1	225	5·0	225	5·4	230	5·0	225	5·8	215	6·5	220	7·2	220	7·4
27	210	10·3	210	10·5	215	10·4	220	10·4	225	10·8	230	10·1	230	8·2	235	7·4	260	5·3	225	5·2	220	5·3	225	5·7
28	—	1·1	200	1·9	220	2·0	220	2·5	195	3·3	205	3·0	195	3·6	195	3·4	210	5·0	225	4·9	215	5·3	210	6·0
29	195	3·8	195	4·2	200	4·2	200	4·2	195	3·9	195	3·5	195	3·6	195	2·7	220	4·4	215	5·2	220	5·4	215	5·8
30	165	4·1	160	3·5	155	3·5	150	2·8	150	3·7	145	4·8	145	3·7	165	2·3	185	4·2	175	5·5	175	5·5	185	4·8
31	—	0·5	—	0·5	160	4·7	155	4·6	155	5·3	165	4·9	160	5·0	160	5·7	170	5·2	175	5·7	175	7·0	175	7·6
Mean ...	—	4·7	—	**4·7**	—	5·0	—	5·1	—	5·0	—	5·0	—	5·2	—	5·3	—	5·6	—	5·9	—	6·1	—	6·2

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon

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

M.S.L. + h_a (height of anemograph above ground) = **17** metres + **13** metres. **July, 1927.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	
310	4·0	310	5·4	330	6·4	340	5·0	310	4·5	310	6·2	315	6·6	325	6·6	325	4·3	315	3·6	310	3·0	—	1·0	3·3	1
270	4·0	280	4·0	260	3·6	230	3·5	210	3·8	180	3·1	185	4·0	210	4·2	180	4·0	170	5·0	160	5·4	160	6·0	4·1	2
160	10·1	160	11·3	155	13·7	160	13·0	165	11·6	180	11·0	175	10·3	180	10·6	180	10·4	185	10·2	190	9·5	185	9·3	8·7	3
210	11·2	210	10·7	210	9·2	190	8·6	185	8·0	185	7·7	185	7·3	185	6·7	185	6·0	175	5·8	175	5·3	170	5·5	**9·1**	4
185	9·5	180	10·2	175	10·5	175	10·0	175	8·3	175	9·2	175	8·8	175	7·7	190	7·7	185	7·2	185	6·7	185	6·7	7·3	5
180	8·0	185	7·3	180	6·8	185	7·0	175	6·7	175	5·7	175	5·0	170	4·2	160	3·5	160	3·5	155	2·4	—	1·2	6·5	6
10	7·0	30	5·0	15	5·0	40	3·9	25	5·2	30	3·3	30	3·6	45	2·6	25	4·3	35	3·9	25	4·3	30	4·0	3·6	7
340	3·0	230	2·5	250	2·3	215	2·1	260	2·2	—	1·2	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	2·2	8
335	6·7	340	7·2	335	7·2	340	6·7	350	7·2	350	7·3	350	7·3	350	6·7	350	6·6	350	6·2	360	6·0	10	5·5	4·4	9
360	8·8	360	8·2	360	8·3	355	9·0	355	8·4	350	8·4	360	6·5	15	7·1	15	6·7	15	5·8	15	5·5	360	4·0	7·4	10
355	3·7	340	4·3	335	5·0	340	5·0	340	5·3	335	5·9	340	5·7	340	3·9	360	2·3	—	1·3	—	0·5	—	0·5	3·8	11
285	2·5	285	2·3	—	1·3	335	1·8	—	1·5	325	3·0	330	3·4	330	2·5	315	1·6	—	0·5	—	0·5	—	0·5	1·5	12
310	4·2	285	2·2	315	3·0	320	3·2	335	4·2	335	3·8	335	4·3	330	3·5	330	3·5	355	2·0	360	1·8	—	0·5	2·1	13
325	6·2	335	5·8	325	5·5	320	5·6	330	5·6	320	5·4	340	5·7	360	4·5	360	2·2	—	1·2	—	1·0	—	0·5	3·1	14
—	1·5	300	1·8	320	2·2	315	2·5	340	3·2	360	3·1	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	1·2	15
270	4·2	275	4·0	260	3·8	235	3·7	210	3·8	185	3·1	185	4·2	210	4·3	180	4·0	165	5·0	160	5·5	160	6·2	2·8	16
—	1·2	—	1·0	265	1·6	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	70	1·7	**1·1**	17
145	3·6	115	6·2	110	5·6	105	4·9	85	3·3	85	3·9	110	5·9	105	5·9	110	5·2	110	6·9	110	8·2	110	11·5	3·6	18
170	6·0	180	5·5	175	6·3	175	7·3	175	6·8	170	6·2	175	6·2	175	6·3	175	6·3	180	6·3	185	5·5	190	5·6	7·4	19
220	5·8	220	6·1	220	6·0	220	6·0	220	5·8	215	4·9	215	4·4	210	5·0	210	4·2	210	3·7	205	3·9	205	3·2	5·5	20
335	6·9	335	7·2	335	8·3	340	8·0	340	7·3	345	7·4	355	6·6	350	5·7	360	4·5	360	4·0	360	1·8	325	5·0	5·3	21
310	5·6	310	6·1	320	6·5	320	6·7	325	5·0	320	5·5	315	5·4	315	5·2	315	5·8	310	5·0	310	5·8	300	3·3	5·8	22
265	5·3	260	5·8	255	5·5	230	5·8	225	5·0	230	5·3	230	4·2	215	5·0	230	5·3	235	3·8	235	3·2	230	2·8	4·5	23
280	3·8	285	3·8	290	3·6	285	3·4	280	3·3	260	3·2	265	3·5	255	2·4	250	3·0	255	2·2	240	3·0	210	3·2	3·7	24
210	7·8	210	7·9	210	8·8	200	9·7	190	8·7	190	7·2	190	7·3	185	6·7	180	7·2	175	7·3	170	7·3	170	7·5	6·3	25
190	6·8	185	6·8	185	7·6	185	8·6	185	8·6	175	8·0	170	7·0	165	6·7	175	5·7	180	5·3	180	4·8	185	5·3	7·6	26
310	5·2	290	6·2	310	4·8	310	5·0	315	5·8	310	5·2	315	6·3	320	6·2	310	5·5	310	5·7	310	4·3	310	4·2	4·1	27
185	4·7	180	5·3	180	5·8	170	5·7	165	5·8	160	6·4	145	6·3	140	6·2	140	6·7	140	6·6	140	5·0	140	5·5	4·4	28
230	4·9	235	4·7	215	5·4	215	5·7	215	5·7	210	5·8	190	5·2	185	5·8	185	5·5	170	5·0	165	5·6	165	5·9	4·7	29
215	7·8	230	7·7	230	8·2	230	8·2	230	6·2	235	6·2	230	5·8	230	5·5	225	5·6	220	5·0	220	5·8	210	5·9	6·2	30
230	7·1	235	7·2	230	7·7	235	6·9	260	5·8	250	6·0	240	5·5	260	5·8	240	4·7	240	4·3	250	4·6	265	4·2	6·7	31
—	5·7	—	5·8	—	**6·0**	—	5·9	—	5·6	—	5·5	—	5·3	—	5·0	—	4·6	—	4·3	—	4·1	—	4·1	4·8	

August, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
280	5·0	290	6·0	280	5·6	280	5·7	285	4·8	285	5·0	275	4·5	265	5·0	265	4·0	250	4·3	235	3·7	235	4·5	4·6	1
230	8·4	215	8·2	210	8·5	210	8·3	210	7·8	210	7·3	210	7·2	210	6·7	210	6·3	205	6·3	205	6·3	210	6·8	6·7	2
185	6·3	185	5·8	185	5·5	185	5·3	190	5·0	185	3·2	185	2·2	180	1·7	170	2·4	135	3·2	130	3·2	125	3·3	4·9	3
350	1·6	—	1·3	—	0·5	265	2·6	265	1·7	—	1·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	1·5	4
275	2·2	280	3·1	335	2·6	310	2·2	275	2·6	—	1·3	—	1·0	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	**1·4**	5
90	5·3	110	6·5	115	6·7	115	11·2	110	10·0	110	7·5	100	8·6	110	7·8	165	5·7	165	5·2	160	5·5	155	5·5	4·3	6
105	6·0	110	8·3	110	7·0	110	6·2	110	6·2	100	5·8	100	5·7	90	4·8	80	4·3	100	3·7	90	3·8	110	4·4	6·0	7
110	5·0	95	3·8	115	3·2	160	1·7	235	2·5	215	1·7	—	1·2	65	3·2	30	2·5	25	4·7	10	4·2	30	3·8	4·1	8
265	4·5	260	4·9	230	5·0	215	6·3	225	5·5	215	6·2	205	6·0	190	5·6	190	5·6	190	6·0	185	5·2	185	5·5	4·3	9
190	6·2	190	6·7	190	6·6	190	6·7	190	6·4	190	6·3	190	6·1	190	5·8	190	6·2	190	6·2	190	6·6	210	6·5	6·4	10
180	8·0	180	8·7	180	9·0	200	8·8	215	8·2	210	5·6	210	6·3	210	7·7	210	7·2	210	7·7	210	6·5	210	6·5	7·3	11
210	5·3	210	4·7	210	5·7	215	5·3	260	5·0	260	4·2	260	2·5	—	1·2	—	0·5	180	2·2	185	1·9	—	0·5	4·6	12
215	6·6	210	6·6	210	5·0	215	5·7	210	6·5	210	6·2	210	6·2	205	5·6	210	6·0	200	6·1	195	6·4	215	6·7	5·0	13
270	7·3	270	7·6	270	8·2	275	6·7	270	7·4	270	8·4	280	8·0	275	8·2	275	8·7	270	9·1	270	8·6	270	7·5	7·4	14
295	9·7	295	10·0	295	9·8	295	9·8	290	8·9	295	9·1	305	8·0	315	8·4	325	7·2	315	7·3	310	7·0	315	6·7	8·2	15
265	5·0	270	4·8	265	4·9	265	4·0	240	4·0	215	3·9	205	3·0	190	3·4	185	4·0	185	3·0	185	4·0	190	4·7	4·7	16
140	7·5	145	8·3	150	6·6	125	5·5	115	5·8	105	5·9	115	6·5	100	6·0	110	4·8	90	4·8	95	4·2	85	3·2	5·8	17
10	10·4	15	9·3	10	8·0	340	8·6	345	9·0	350	8·2	345	7·1	345	8·1	345	7·4	345	7·0	345	8·1	345	7·4	7·4	18
270	5·0	260	4·5	265	4·4	235	4·8	225	4·2	200	4·0	185	5·0	180	4·7	170	6·6	155	9·9	160	10·9	155	12·6	5·7	19
225	8·3	225	8·5	225	8·4	215	8·5	210	8·7	210	8·2	205	8·4	205	8·2	205	7·1	200	6·8	200	7·5	200	8·5	7·8	20
210	10·9	205	10·7	205	10·1	205	10·1	210	10·5	215	11·0	220	10·9	225	9·5	230	9·6	245	10·0	255	9·5	275	8·3	**9·6**	21
315	7·7	325	8·5	325	7·1	330	7·0	330	6·9	325	5·8	320	4·8	325	3·2	310	3·2	315	3·6	325	3·3	315	3·6	6·6	22
310	5·7	315	7·4	320	7·0	325	6·8	330	6·3	325	4·6	315	3·6	310	3·6	295	3·3	295	2·8	290	2·9	265	3·2	4·7	23
290	5·4	265	4·1	275	7·0	295	9·0	320	10·1	330	9·9	340	9·2	345	8·3	345	7·8	355	6·4	350	5·9	350	5·3	6·3	24
285	3·8	280	4·5	280	3·5	285	2·0	280	3·1	265	4·0	245	3·1	240	2·6	240	3·3	250	4·3	260	3·5	245	4·0	3·4	25
225	7·6	225	8·2	220	8·3	220	9·0	215	8·4	225	9·2	220	9·0	215	8·9	200	8·5	200	8·8	205	9·1	215	9·6	7·0	26
220	6·4	225	6·9	235	5·9	225	5·8	225	4·5	225	3·2	210	3·1	205	2·5	—	1·0	—	0·5	195	2·2	—	0·5	6·1	27
220	5·8	215	6·5	215	7·0	215	6·6	220	6·7	200	6·3	195	5·3	190	4·8	205	5·7	190	4·6	195	4·6	205	3·7	4·5	28
215	6·5	205	6·7	200	7·0	200	5·7	195	5·5	200	4·9	185	4·7	180	4·6	180	5·5	170	4·9	170	4·8	170	4·5	4·8	29
185	4·4	185	4·1	190	4·5	180	5·5	175	5·8	175	5·6	165	4·6	165	4·2	—	0·5	—	0·5	—	1·1	—	0·5	3·8	30
175	9·5	175	8·2	175	7·3	175	6·3	180	6·3	175	6·0	175	5·8	185	5·3	185	4·4	190	4·2	190	4·1	190	3·5	5·3	31
—	6·4	—	**6·6**	—	6·3	—	6·4	—	6·3	—	5·8	—	5·4	—	5·2	—	4·8	—	5·0	—	5·0	—	4·9	5·5	

13.	14.	15.	16.	17.	18.	19.	20.	21	22.	23.	24.	Mean	Day.

*T

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

420. Cahirciveen (Valentia Observatory) : Dines Anemograph from Jan., 1926.

H_a (height of anemograph above M.S.L.)=Height of ground above

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	210	3·9	220	3·2	215	2·3	215	2·6	210	1·6	210	2·0	—	0·5	—	0·5	220	4·4	265	3·5	265	4·5	260	3·6
2	—	1·0	—	1·0	140	2·5	170	3·8	165	4·6	175	4·2	175	4·0	185	4·7	190	5·8	190	6·8	185	7·8	190	7·7
3	180	5·5	170	5·5	165	5·2	165	4·8	165	5·0	160	5·0	175	6·0	175	7·2	180	7·8	180	8·1	180	8·3	180	8·8
4	155	6·2	155	6·4	155	7·1	165	5·8	165	6·7	160	7·3	155	6·7	165	6·5	165	7·2	170	6·8	175	9·0	175	8·0
5	—	0·5	—	0·5	—	0·5	180	1·9	—	1·4	—	1·2	80	2·6	—	1·5	160	2·6	170	4·7	185	4·9	185	4·3
6	170	1·8	—	0·5	—	0·5	160	1·7	160	2·7	165	3·0	—	1·4	185	2·5	250	3·2	270	4·2	265	3·7	270	5·1
7	—	0·5	—	0·5	345	1·9	355	2·1	360	1·9	360	1·9	—	1·4	160	3·1	190	4·2	190	6·0	190	6·6	180	7·4
8	180	5·4	180	6·2	175	6·5	195	6·1	215	7·1	225	6·5	220	5·8	220	6·5	215	6·9	220	6·8	200	8·3	200	9·5
9	275	4·5	280	4·8	275	3·4	295	4·1	290	3·1	285	3·2	285	3·0	275	2·5	275	2·8	290	3·2	290	2·7	285	2·9
10	280	5·4	275	5·4	270	5·5	255	5·0	265	5·7	250	5·9	245	7·1	250	7·9	250	8·5	240	8·8	255	10·4	275	9·1
11	15	8·7	10	7·2	15	6·5	15	6·2	15	6·5	5	5·8	10	5·6	360	6·5	355	6·7	350	8·7	340	8·9	360	7·2
12	350	5·0	360	4·1	360	2·5	355	2·3	355	2·7	345	1·6	320	3·1	310	2·8	295	3·1	285	3·2	275	3·4	275	3·0
13	295	3·2	300	2·4	300	3·6	305	3·6	330	3·4	315	4·0	320	4·1	345	3·8	335	3·4	310	2·7	320	3·7	335	4·0
14	—	0·5	—	0·5	—	1·3	—	0·5	—	1·2	5	1·8	5	2·7	50	2·6	55	3·2	50	4·2	50	5·6	40	6·0
15	35	7·4	40	3·7	55	4·8	70	2·1	—	1·5	—	1·5	40	2·3	75	3·2	45	5·1	15	6·2	25	7·5	20	7·6
16	340	4·1	5	1·8	5	1·7	325	2·5	295	3·3	280	2·4	285	2·5	260	3·5	260	3·0	240	4·2	255	5·4	250	4·6
17	40	5·8	30	4·0	35	3·8	30	3·8	15	4·1	15	2·6	15	1·7	15	1·6	10	2·5	320	2·9	305	2·4	280	2·6
18	225	3·1	235	3·4	—	1·4	—	0·5	—	1·3	—	1·5	—	1·2	—	0·5	—	0·5	—	1·0	135	1·6	155	1·8
19	255	6·2	255	6·1	260	4·7	260	3·0	260	4·4	250	5·3	240	5·0	230	5·2	225	6·5	230	8·1	235	9·2	235	8·5
20	225	4·0	225	3·0	210	2·7	200	2·8	195	2·5	—	1·3	165	2·7	160	3·9	165	3·5	185	5·7	195	7·8	205	10·2
21	210	10·0	220	7·5	215	5·2	225	4·5	235	4·1	—	1·4	190	1·6	200	2·3	200	2·9	185	3·7	195	3·2	225	5·4
22	275	3·1	275	4·7	285	5·2	290	5·4	305	5·3	315	6·9	310	6·1	335	7·2	340	7·3	335	8·3	340	8·5	340	8·8
23	—	1·5	—	1·4	10	2·2	10	3·1	10	2·8	10	2·6	15	3·6	25	3·5	30	4·9	30	6·5	25	6·1	25	5·9
24	—	1·3	300	4·2	320	2·9	305	3·9	300	3·9	290	5·2	315	4·6	315	5·2	330	5·2	310	5·1	300	4·9	320	5·3
25	335	6·9	340	7·2	350	8·5	355	9·8	360	9·2	360	10·0	360	8·9	360	8·3	350	9·5	355	9·7	355	9·2	350	9·3
26	345	3·5	310	5·9	305	4·8	305	4·9	325	4·8	320	4·4	295	6·3	300	6·6	300	7·8	305	7·6	315	7·8	310	7·3
27	5	4·3	5	3·9	5	3·1	5	4·6	5	4·1	—	1·2	360	2·2	360	2·4	360	2·5	5	2·8	5	2·2	355	3·5
28	180	5·5	200	6·5	200	7·8	205	8·1	200	8·1	200	9·2	200	10·4	200	10·0	205	10·5	200	9·8	205	10·5	205	11·2
29	300	2·5	300	3·2	290	5·2	280	5·3	285	3·3	280	3·4	275	6·0	285	5·6	280	7·1	275	5·7	270	7·5	275	7·1
30	275	6·3	275	5·8	260	7·2	260	7·5	260	6·2	265	6·2	250	5·9	260	6·3	245	6·3	240	7·4	230	7·9	235	7·7
Mean	—	4·3	—	4·0	—	4·0	—	4·1	—	4·1	—	**3·9**	—	4·2	—	4·5	—	5·2	—	5·7	—	6·3	—	6·4

421. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	185	8·0	175	9·7	170	10·5	175	8·9	200	10·0	205	8·9	200	7·4	200	9·1	215	8·7	230	7·9	250	5·4	265	3·8
2	205	11·8	205	12·2	210	13·4	210	13·7	210	14·2	215	14·5	225	15·8	260	12·0	290	8·9	300	8·3	310	8·4	320	9·0
3	350	2·9	—	1·0	350	1·9	—	0·5	350	1·6	—	1·5	—	1·1	—	1·4	5	3·5	80	4·5	105	5·5	120	5·4
4	130	6·7	130	7·1	135	7·7	140	8·3	140	8·1	145	7·5	150	7·0	150	6·8	155	6·5	165	3·7	170	5·3	175	6·5
5	140	5·1	130	4·5	135	4·6	130	3·6	125	4·6	135	4·1	140	4·0	145	2·0	135	4·0	125	4·6	125	4·9	135	4·0
6	150	2·3	135	4·5	125	4·5	120	3·1	145	2·4	140	2·6	—	0·5	—	1·5	—	0·5	—	1·5	150	4·4	165	5·3
7	—	0·5	—	1·0	—	0·5	—	0·5	130	3·7	—	1·3	—	0·5	—	0·5	120	3·1	100	3·5	115	2·3	135	3·4
8	105	7·5	100	7·0	95	6·5	95	6·5	90	6·8	90	6·2	75	5·0	80	4·9	95	5·3	95	5·0	95	5·1	100	6·3
9	90	7·6	85	6·3	80	6·8	90	6·5	80	6·2	85	6·1	90	5·5	95	6·5	110	5·8	95	5·6	95	6·3	110	5·3
10	85	3·7	95	4·5	90	3·5	95	3·1	90	3·3	175	1·6	90	4·1	95	5·6	105	4·5	95	5·2	105	5·0	115	6·4
11	95	4·4	110	3·5	100	3·4	100	3·9	105	3·6	125	2·7	140	2·5	135	2·6	135	2·8	145	2·4	145	2·8	170	3·0
12	—	0·5	—	0·5	50	1·6	—	0·5	—	1·2	170	1·6	—	1·0	—	1·1	—	1·2	—	1·0	—	1·0	—	1·4
13	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·0	—	1·2	—	1·5	50	1·8	50	3·0	40	1·8
14	—	0·5	360	2·5	25	2·9	35	2·6	40	5·2	45	4·5	40	5·6	35	6·5	45	5·7	50	7·4	50	8·0	50	7·2
15	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	—	1·1	60	2·0	45	2·1	35	3·0	20	3·0	15	3·7	360	3·3
16	345	5·0	340	4·6	325	5·2	315	4·3	315	3·7	325	4·7	320	4·4	330	3·0	325	4·5	325	4·5	335	5·0	335	5·3
17	315	4·0	315	4·7	325	5·6	330	4·9	305	5·4	325	5·6	330	4·4	325	6·3	320	7·0	320	7·1	325	7·4	325	7·8
18	290	3·2	280	2·5	—	1·5	—	0·5	275	1·8	285	4·3	285	2·3	275	2·2	285	4·2	290	2·2	275	2·1	275	2·6
19	265	4·5	265	5·2	270	3·7	275	4·4	275	4·7	260	4·6	270	6·6	275	5·5	275	5·0	280	5·2	290	5·0	280	4·5
20	—	1·5	55	1·8	40	2·0	40	2·2	40	2·4	—	1·5	—	1·1	80	3·0	90	3·1	90	4·5	95	4·3	100	5·0
21	95	5·1	120	3·0	—	0·5	130	1·9	145	3·9	150	5·0	155	5·0	155	4·9	155	4·9	155	6·8	160	5·8	165	5·7
22	75	2·3	125	2·1	115	2·2	60	2·5	95	2·5	110	4·1	95	4·8	80	4·7	70	3·0	50	1·7	25	4·5	10	5·1
23	330	10·2	330	10·0	325	9·0	325	8·7	325	7·0	325	7·2	330	6·4	320	4·4	305	4·8	300	4·5	290	3·8	295	2·9
24	180	4·3	170	4·6	165	5·5	170	5·8	175	5·3	160	8·3	165	9·6	170	9·7	175	8·9	175	8·4	175	8·1	185	9·1
25	205	10·0	205	11·0	205	11·8	205	13·0	205	12·8	205	13·1	205	12·9	205	11·9	210	11·9	205	12·0	205	12·1	205	12·4
26	200	8·0	210	10·0	205	10·1	200	9·8	200	10·7	205	11·6	205	9·9	200	8·9	205	6·8	220	7·7	230	7·8	225	6·2
27	220	16·5	235	11·0	260	8·7	240	7·4	225	6·5	225	7·6	225	8·0	225	8·5	225	8·6	225	9·5	225	9·5	225	9·1
28	185	6·5	175	6·0	170	6·6	155	7·4	150	11·3	170	13·0	180	12·8	180	13·0	180	14·8	180	15·0	175	14·9	175	15·0
29	260	8·5	255	6 7	250	5·0	220	4·5	200	5·4	190	5·6	190	6·5	185	7·7	180	9·2	180	9·8	175	10·8	175	10·9
30	175	8·3	175	9·9	180	10·0	180	8·5	180	8·1	175	8·6	175	8·1	195	8·0	190	5·6	170	5·4	185	5·0	180	6·7
31	230	2·4	260	3·6	265	4·2	270	4·5	270	3·6	275	4·9	275	3·5	—	1·2	270	3·2	220	3·8	235	4·9	225	5·2
Mean	—	5·3	—	5·2	—	5·2	—	**4·9**	—	5·4	—	5·6	—	5·5	—	5·4	—	5·5	—	5·6	—	5·9	—	6·0

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

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

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres. **September, 1927.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
240	4·7	260	4·6	260	4·3	265	4·7	260	4·3	260	3·5	255	2·7	225	2·0	190	2·3	—	0·5	—	0·5	—	0·5	2·9	1
190	8·0	190	7·3	190	7·1	190	6·7	190	6·2	185	5·4	185	5·0	175	4·8	175	5·0	175	5·0	175	5·3	180	5·0	5·1	2
175	9·2	180	9·0	180	8·0	170	7·7	170	7·3	165	6·1	160	5·0	160	5·5	155	5·7	160	6·0	160	6·0	160	6·4	6·6	3
175	7·6	170	7·6	155	6·5	155	6·8	160	6·0	160	6·2	165	5·6	175	4·1	275	1·7	—	0·5	—	0·5	—	0·5	5·8	4
195	4·1	190	3·5	180	3·9	180	3·7	180	3·1	190	1·8	190	2·4	175	2·5	170	1·7	—	1·5	—	1·1	—	1·3	**2·4**	5
275	4·7	285	4·8	285	5·3	300	3·9	305	3·8	300	3·8	300	3·7	300	2·5	300	1·6	—	0·5	—	0·5	—	0·5	2·7	6
175	8·2	175	8·5	175	8·4	175	8·8	175	8·2	175	8·0	175	7·2	170	8·0	170	7·9	175	6·7	180	5·5	195	4·5	5·2	7
205	9·9	210	10·3	225	11·4	240	10·0	250	10·0	275	5·1	280	4·1	285	5·7	290	5·9	290	5·0	285	4·5	280	3·5	7·4	8
285	2·7	295	2·2	—	0·5	325	2·2	305	1·7	—	1·4	—	1·4	300	2·1	—	1·2	300	2·0	300	3·1	290	3·1	2·7	9
290	8·9	300	8·1	320	8·9	335	9·1	345	9·9	350	9·7	350	8·6	350	9·7	355	7·9	360	7·0	360	7·1	5	6·6	7·7	10
10	6·7	360	6·5	350	8·3	350	8·1	350	6·5	360	5·6	355	5·2	360	4·9	360	6·5	360	5·2	360	4·0	355	4·8	6·5	11
260	2·8	225	3·7	200	3·7	195	4·3	195	4·5	185	5·1	175	5·7	165	6·5	170	6·0	275	3·3	275	2·4	295	2·1	3·7	12
305	3·8	300	4·3	295	3·3	295	3·3	295	3·2	295	2·9	275	3·7	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	2·9	13
55	6·5	50	6·5	25	7·2	30	5·9	40	7·3	30	9·0	30	9·5	30	9·1	30	8·9	30	9·0	35	9·5	30	8·6	5·1	14
15	8·9	20	10·1	10	9·7	10	7·9	10	10·6	15	7·4	5	8·1	360	5·3	5	4·5	5	4·9	360	4·8	350	4·5	5·9	15
240	5·7	235	6·0	235	5·4	230	5·7	240	5·6	230	5·6	225	6·3	230	6·3	250	6·2	300	4·6	355	6·3	15	7·2	4·5	16
275	1·9	275	2·5	275	3·2	240	3·5	250	4·1	295	1·7	—	1·1	205	2·5	210	2·5	220	2·6	210	2·8	210	2·6	2·9	17
175	2·4	175	5·5	180	6·7	170	6·4	210	5·1	220	5·6	220	6·3	220	6·5	230	7·0	250	8·6	255	7·9	260	4·5	3·7	18
235	9·0	240	8·8	250	9·0	260	7·7	255	7·1	255	6·1	250	6·2	250	5·9	250	5·3	240	4·0	215	4·0	225	4·5	6·2	19
205	11·2	205	11·5	210	11·6	205	11·2	205	10·9	205	11·0	205	10·8	200	10·8	200	11·5	205	11·0	210	11·0	210	9·9	7·5	20
220	5·0	225	5·4	220	5·2	220	5·1	210	6·0	260	4·2	290	3·5	280	4·3	280	2·6	275	3·1	275	2·8	285	2·2	4·4	21
340	9·5	330	9·1	325	8·6	340	7·9	340	8·0	335	7·2	340	6·9	360	3·8	360	2·4	—	0·5	—	0·5	—	0·5	5·9	22
25	6·6	25	6·0	10	5·2	15	5·3	360	4·9	350	6·0	350	4·5	345	4·2	345	3·0	350	4·5	335	4·3	305	3·7	4·2	23
340	5·8	290	4·7	305	7·0	335	5·1	300	5·0	315	5·1	310	5·8	300	5·3	325	5·8	300	5·5	300	5·2	315	5·1	4·9	24
350	10·1	345	10·0	345	10·3	340	10·0	325	10·2	325	9·0	330	8·9	325	8·1	325	8·6	335	7·7	345	5·3	330	5·6	8·8	25
320	8·4	320	7·7	325	7·4	315	7·0	330	6·6	340	6·2	350	4·9	360	3·5	360	5·2	360	4·3	360	3·7	360	4·7	5·9	26
325	5·0	325	3·5	320	4·0	310	2·9	300	2·0	—	0·5	—	1·5	—	1·2	—	1·0	—	1·0	150	4·8	150	5·1	2·9	27
210	10·6	205	11·4	205	11·5	205	11·8	205	11·9	205	12·2	205	12·3	205	12·0	205	12·2	290	3·7	—	0·5	—	0·5	**9·2**	28
280	6·2	280	6·5	285	6·6	300	5·5	290	5·4	295	6·2	285	5·0	290	4·2	285	5·6	280	5·5	275	6·0	275	5·3	5·3	29
230	8·4	235	8·3	240	8·0	235	7·4	240	5·8	215	4·8	215	5·6	210	5·7	200	5·5	210	7·0	205	5·5	195	6·2	6·6	30
—	6·7	—	6·8	—	**6·9**	—	6·5	—	6·4	—	5·7	—	5·6	—	5·3	—	5·1	—	4·4	—	4·2	—	4·0	5·2	

October, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
290	4·1	300	6·0	320	5·0	335	4·0	330	3·0	—	0·5	—	0·5	185	3·9	175	7·3	180	7·8	195	10·4	205	10·6	6·6	1
320	8·7	310	8·2	330	8·3	330	8·1	335	6·5	340	5·9	340	3·6	340	1·9	—	0·5	—	0·5	—	0·5	—	0·5	8·4	2
145	5·6	150	5·7	125	5·1	135	5·3	125	5·4	110	6·2	115	6·8	120	7·4	100	6·7	90	7·0	90	7·2	90	6·8	4·3	3
175	6·4	175	4·6	175	3·5	175	5·1	175	5·3	170	2·7	175	2·0	160	3·9	160	3·0	160	2·5	—	1·1	140	3·8	5·3	4
155	4·6	155	4·5	150	4·2	135	3·5	135	4·3	120	3·3	110	3·5	130	4·1	130	2·3	—	0·5	—	0·5	—	0·5	3·6	5
175	5·8	170	5·0	175	5·3	190	5·0	175	4·0	165	3·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	2·7	6
150	3·0	150	3·8	145	2·9	115	3·4	105	3·6	100	4·4	100	5·2	110	5·8	100	6·5	105	7·3	100	7·4	100	7·4	3·3	7
110	7·0	110	7·1	115	6·7	115	5·8	115	6·2	120	5·5	110	6·1	95	5·5	105	5·7	105	6·1	90	6·8	100	7·6	6·2	8
110	7·7	110	6·6	115	6·0	115	5·7	110	7·5	110	6·4	115	5·2	115	5·3	110	6·1	120	5·6	120	6·0	105	4·6	6·2	9
115	5·9	125	6·2	140	4·8	125	5·3	120	6·4	105	4·3	105	4·2	100	4·2	120	3·6	110	3·8	90	4·3	100	4·9	4·5	10
180	2·0	230	2·6	310	3·1	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	—	0·5	—	0·5	2·2	11
—	0·5	—	1·5	—	1·0	—	0·5	—	0·5	—	1·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	**0·9**	12
15	3·5	10	3·8	15	4·2	15	4·8	20	4·7	25	3·9	30	2·4	30	2·2	—	1·5	—	1·0	—	0·5	—	0·5	1·9	13
60	6·8	65	8·1	65	7·8	55	6·8	50	4·7	40	3·5	45	4·5	45	2·3	35	3·8	35	2·9	55	2·1	75	2·3	4·7	14
335	3·5	330	4·3	340	4·5	345	5·5	345	5·2	355	3·5	360	3·5	360	2·6	350	2·6	315	1·6	320	3·2	345	5·6	2·7	15
325	6·0	330	4·6	325	5·5	310	4·7	325	3·4	325	5·4	335	7·4	335	7·5	330	6·4	340	5·5	330	4·5	325	5·7	5·0	16
325	7·5	330	8·5	325	8·9	325	8·2	330	7·4	345	6·4	340	5·3	350	2·7	350	2·3	340	2·7	310	3·7	305	2·5	5·7	17
270	4·8	250	3·3	260	4·0	270	3·6	260	4·2	255	4·2	250	3·9	245	3·8	250	5·3	245	4·3	255	5·8	260	4·2	3·3	18
320	4·3	325	5·2	330	5·9	325	4·1	320	3·8	330	2·5	—	0·5	360	1·7	30	2·4	50	1·7	55	2·0	—	1·2	4·0	19
95	4·6	100	4·2	90	4·2	85	4·7	75	6·2	75	8·5	80	8·9	80	9·2	65	8·2	80	7·8	90	6·6	95	6·3	4·6	20
145	6·8	150	6·7	175	7·6	180	5·6	215	7·0	250	5·9	270	5·3	270	3 1	220	1·8	200	2·9	190	3·2	95	1·9	4·7	21
350	6·5	335	7·2	300	6·5	305	8·6	305	8·3	320	9·9	325	11·8	335	12·0	335	10·6	345	10·7	350	10·5	345	10·2	6·2	22
280	2·1	280	2·0	280	1·9	—	1·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	185	1·9	4·0	23
200	10·0	200	10·1	200	10·5	205	11·2	205	10·9	205	10·7	205	10·0	205	10·2	205	9·4	200	8·6	205	9·4	205	10·1	8·5	24
205	12·5	200	10·9	190	11·2	200	12·5	205	14·1	205	14·0	210	12·5	220	10·1	220	9·0	220	7·5	205	6·6	205	7·1	11·4	25
220	6·8	220	7·2	210	6·5	205	7·0	190	7·0	190	7·0	180	9·0	185	11·2	195	13·0	195	13·7	195	16·5	205	18·6	9·4	26
220	8·9	225	9·3	225	9·0	220	8·2	225	7·7	225	6·5	225	6·0	220	5·3	205	4·3	200	4·6	190	4·6	190	4·5	8·2	27
180	14·2	175	13·5	210	14·0	225	13·2	260	21·5	270	21·0	275	17·5	270	14·6	275	13·4	270	11·9	265	10·8	265	10·0	**12·9**	28
175	11·0	175	9·8	175	9·9	170	10·4	175	8·9	175	9·0	175	9·1	175	9·4	175	8·6	175	8·6	175	8·5	175	8·4	8·5	29
185	9·0	200	10·0	215	8·0	245	3·4	225	3·6	195	4·3	190	4·2	190	2·9	210	2·6	210	2·5	225	1·6	225	1·8	6·2	30
215	6·1	205	6·8	190	6·8	190	7·4	190	6·8	180	7·3	175	7·9	175	8·6	175	9·9	175	10·7	175	12·2	175	12·4	5·9	31
—	6·3	—	**6·4**	—	6·2	—	5·9	—	6·1	—	5·8	—	5·4	—	5·3	—	5·1	—	4·9	—	5·1	—	5·3	5·5	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

422. Cahirciveen (Valentia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above

Dines Anemograph from Jan., 1926.

Hour. G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	175	12·5	175	12·6	175	12·7	175	12·8	175	13·8	180	14·9	180	14·4	185	13·5	185	13·9	185	11·9	190	11·7	200	13·3
2	200	14·3	205	13·7	205	13·4	210	10·6	205	7·9	205	6·6	200	5·1	200	5·6	180	6·5	175	6·7	180	7·0	185	6·5
3	195	10·9	195	11·1	200	12·2	205	12·8	210	11·8	215	10·2	215	8·6	210	6·7	215	6·0	210	6·5	210	8·0	210	8·7
4	215	8·0	215	9·0	225	9·6	235	7·6	235	6·9	240	7·5	240	6·6	255	7·0	270	6·2	315	7·3	325	8·2	330	7·8
5	300	5·4	290	5·8	270	7·6	270	8·6	270	9·5	270	10·0	275	9·8	265	10·1	260	11·9	260	11·5	260	11·6	255	11·7
6	295	8·8	285	8·0	290	9·8	275	9·9	275	10·4	305	8·5	335	7·8	345	7·4	355	8·1	10	8·5	5	8·5	5	9·7
7	360	7·4	355	6·0	355	8·0	340	8·8	355	9·4	10	7·4	15	9·9	20	7·5	45	6·9	75	4·5	70	4·5	25	4·8
8	70	5·1	45	4·0	40	4·2	55	4·2	40	3·0	50	2·9	35	3·3	45	3·5	25	3·7	15	5·1	25	6·0	30	8·6
9	65	4·5	25	8·3	25	9·5	25	9·7	30	7·5	70	5·0	60	3·6	75	2·6	90	1·9	—	1·2	—	1·5	5	3·5
10	10	8·6	5	8·4	20	8·4	10	10·7	15	10·4	10	9·0	10	8·0	15	8·9	15	8·1	10	7·3	5	9·2	360	9·2
11	5	6·1	355	7·5	345	7·8	360	6·5	15	4·8	10	4·7	360	4·4	10	4·5	30	5·0	80	4·0	50	1·9	—	1·2
12	360	2·3	350	4·5	350	4·9	5	6·7	360	6·4	50	7·0	55	8·5	50	8·2	50	9·9	55	6·3	60	5·1	55	4·4
13	85	1·8	70	3·1	75	2·2	75	2·3	70	3·3	70	2·3	70	2·8	70	2·1	70	2·1	—	1·2	—	0·5	—	0·5
14	45	1·6	45	2·5	45	3·4	45	2·0	—	1·2	45	2·8	—	1·2	80	2·2	55	2·2	—	0·5	90	2·1	165	4·7
15	155	4·3	160	3·9	160	5·1	160	5·0	160	5·3	170	3·8	160	5·2	185	5·6	185	5·1	215	5·5	215	7·5	210	7·6
16	195	8·2	195	9·1	200	10·0	195	9·4	190	8·9	190	8·6	185	8·0	185	7·6	185	7·9	180	7·7	185	8·0	185	9·1
17	140	10·1	145	10·2	140	10·7	130	11·5	130	11·0	110	11·1	125	12·6	145	13·5	175	11·6	170	10·7	170	10·6	165	7·6
18	205	8·4	210	7·8	210	8·2	210	7·0	205	4·4	195	6·1	180	5·4	190	5·1	200	6·1	200	5·5	190	5·0	195	5·3
19	120	4·2	120	4·4	110	4·1	100	4·7	95	5·2	100	4·2	90	3·5	90	1·8	65	2·6	75	4·1	100	5·1	105	4·2
20	55	2·4	55	4·1	70	4·0	65	3·5	—	1·3	—	1·2	85	3·1	75	2·7	85	4·4	85	3·3	85	4·1	80	5·5
21	40	6·4	25	8·6	25	9·2	20	9·7	15	9·9	20	10·0	20	9·7	20	10·1	25	11·6	35	11·2	30	8·9	30	7·3
22	35	4·8	40	3·6	40	3·7	25	3·6	30	3·2	25	4·3	45	4·4	50	3·2	45	2·0	55	2·0	—	1·1	—	1·5
23	165	6·0	160	9·3	175	8·5	175	8·5	170	6·9	165	6·2	165	7·9	185	7·3	190	7·7	185	8·4	190	8·4	195	8·9
24	320	4·3	300	4·1	300	4·3	300	4·0	295	2·8	—	1·3	265	2·2	205	1·8	230	2·1	225	4·7	230	3·8	250	5·0
25	195	3·3	210	3·7	140	2·5	—	1·3	—	1·1	105	2·4	180	4·4	170	5·9	180	5·2	190	5·6	195	6·6	190	7·0
26	175	11·2	175	11·3	180	11·2	180	10·9	180	10·2	185	10·4	180	9·8	180	10·0	180	10·2	180	9·0	180	10·2	180	8·2
27	225	3·0	205	2·4	—	1·2	—	1·2	—	0·5	—	0·5	—	0·5	—	1·0	345	2·0	360	1·7	—	1·4	—	0·5
28	160	6·6	165	7·4	175	8·0	180	7·6	185	8·5	185	8·7	180	9·2	180	9·3	180	9·1	185	9·0	190	10·6	200	10·0
29	5	6·0	360	7·0	360	7·2	360	5·4	355	5·2	355	6·1	350	6·9	360	6·2	15	5·8	5	5·4	10	6·3	10	5·0
30	75	2·2	75	3·0	75	2·4	75	2·3	—	1·4	75	1·7	75	1·6	75	2·0	—	0·5	—	1·0	—	1·0	160	4·8
Mean ...	—	6·3	—	6·8	—	**7·1**	—	7·0	—	6·4	—	6·2	—	6·3	—	6·1	—	6·2	—	**5·9**	—	6·1	—	6·4

423. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	155	6·7	160	5·8	160	5·6	150	5·6	150	5·5	150	6·4	150	6·7	150	6·9	150	7·1	145	6·5	150	6·8	155	6·5
2	155	9·4	155	10·2	160	10·1	170	7·9	170	7·5	170	6·4	165	5·6	165	4·5	155	5·2	160	4·5	165	3·5	170	2·7
3	180	6·9	175	8·1	180	7·5	175	7·8	175	8·7	175	8·5	170	9·7	175	10·1	175	11·3	165	11·0	160	11·7	155	13·1
4	155	10·9	155	10·0	150	9·8	150	10·0	145	8·9	145	9·5	150	9·2	150	9·8	150	9·2	150	8·7	150	8·4	155	7·9
5	155	10·4	155	11·7	155	12·4	160	12·4	160	13·0	165	13·5	170	14·8	170	15·0	170	15·1	175	13·4	175	12·8	175	13·7
6	205	12·0	205	13·8	225	13·0	260	7·2	275	1·8	285	2·2	135	3·1	75	4·5	180	3·1	195	4·7	185	5·8	160	4·8
7	190	5·5	185	3·5	175	4·8	175	5·1	175	5·2	205	3·7	175	1·9	60	2·4	60	2·4	55	2·0	—	1·4	135	1·8
8	170	7·1	165	7·8	160	8·4	160	8·7	165	9·5	170	9·1	170	10·3	170	12·5	160	11·8	160	12·0	160	11·9	170	12·2
9	180	5·2	185	4·3	180	5·1	175	5·3	170	6·2	165	8·4	165	10·1	165	11·3	165	12·8	160	13·1	170	11·6	170	9·4
10	155	9·0	160	9·2	165	8·6	165	9·7	165	8·7	155	9·4	150	10·7	150	10·9	150	10·8	150	10·5	155	11·0	155	9·3
11	120	12·5	110	8·7	110	9·2	115	8·2	65	4·6	95	7·7	100	9·8	100	10·2	100	10·1	90	8·6	85	5·5	90	5·5
12	35	7·2	40	8·9	75	9·7	90	10·7	90	8·2	70	8·1	70	8·7	45	8·5	55	7·9	80	9·8	80	9·2	85	9·7
13	120	5·1	120	5·1	120	4·5	115	5·4	115	6·0	100	4·9	95	5·0	90	5·5	90	6·3	95	5·6	100	5·5	80	5·7
14	100	11·6	105	8·8	120	5·8	215	5·4	290	7·2	280	8·2	290	9·9	300	8·6	305	8·4	325	6·3	335	5·0	340	3·1
15	40	2·1	55	2·3	65	2·3	50	2·5	60	1·8	50	1·9	—	1·0	50	2·0	50	3·3	45	2·0	65	1·6	105	3·6
16	105	14·9	105	15·1	110	14·9	105	16·4	105	14·9	110	13·5	110	13·0	115	11·9	115	10·0	115	10·6	125	12·1	130	12·0
17	110	7·6	120	7·5	115	8·8	125	7·2	100	7·8	100	7·9	115	7·3	130	8·1	125	7·6	115	9·5	120	9·3	110	10·5
18	105	9·7	120	9·0	120	9·7	120	9·0	115	9·5	115	9·9	115	10·7	120	11·2	115	10·8	110	11·4	115	10·5	110	11·9
19	100	12·0	90	7·7	65	7·1	15	5·0	45	5·4	80	5·3	90	5·4	95	6·4	100	8·1	110	10·5	115	10·5	105	8·7
20	100	14·4	105	13·3	105	15·5	100	16·6	100	16·7	100	17·3	105	17·9	105	17·5	105	16·9	100	15·7	100	14·4	100	11·8
21	180	5·7	180	8·0	195	8·6	195	7·8	210	7·7	215	7·9	200	7·0	195	6·5	195	6·5	195	6·5	190	7·4	185	5·9
22	170	5·7	185	5·0	205	10·4	205	10·5	200	10·0	195	9·1	195	8·5	190	7·1	175	6·2	170	5·4	175	5·2	170	4·2
23	230	3·2	260	4·9	285	9·2	280	7·8	270	6·8	270	6·6	265	7·1	250	9·5	245	11·7	250	8·8	265	9·3	265	9·4
24	20	4·3	25	5·2	40	5·6	40	4·8	40	3·9	50	3·2	60	2·7	20	3·8	25	4·5	25	4·7	50	4·9	45	4·4
25	45	9·0	50	7·5	35	9·0	25	10·1	30	10·3	30	10·2	25	9·9	30	11·1	30	12·1	30	13·0	30	11·9	25	12·1
26	20	13·2	25	12·6	30	12·2	25	12·9	25	12·4	30	11·5	30	11·7	30	10·9	40	10·7	40	11·0	35	10·6	35	10·3
27	25	7·5	40	6·1	50	6·5	40	6·9	50	7·1	45	7·8	50	7·4	50	7·7	45	7·7	50	8·3	40	9·6	45	6·9
28	65	7·5	70	8·4	75	8·8	70	7·8	70	6·0	65	3·2	70	4·3	75	5·9	75	6·2	80	4·7	80	6·1	75	5·3
29	90	8·0	95	6·1	75	4·7	80	5·5	85	4·3	85	3·5	85	4·7	95	4·2	85	3·2	65	2·9	55	4·8	50	6·6
30	75	6·7	65	4·9	85	4·4	90	3·5	110	1·7	60	1·8	65	2·0	85	1·7	55	2·3	45	2·2	—	0·5	70	2·5
31	245	5·5	275	8·2	265	6·1	280	6·2	260	5·2	275	8·4	270	5·4	255	7·1	245	7·1	225	5·0	260	4·4	275	4·6
Mean ...	—	8·3	—	8·0	—	**8·3**	—	8·1	—	7·5	—	7·6	—	7·8	—	8·2	—	8·3	—	8·0	—	7·8	—	7·6
Annual Mean.	—	5·6	—	5·6	—	5·7	—	5·7	—	5·6	—	**5·6**	—	5·7	—	5·9	—	6·1	—	6·3	—	6·5	—	6·6

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

M.S.L. + h_a (height of anemograph above ground) = 17 metres + 13 metres. **November, 1927.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
200	13·0	200	12·7	200	11·7	200	10·8	200	11·2	200	11·1	200	12·5	200	12·7	200	13·4	200	13·6	200	14·0	200	14·4	**12·8**	1
180	5·6	175	7·1	185	6·7	185	7·4	185	7·3	185	7·7	185	7·8	185	8·0	190	8·7	195	8·5	180	8·2	185	10·0	8·3	2
210	9·2	220	9·6	225	9·1	225	8·0	225	7·7	220	7·7	225	7·1	220	7·2	210	6·8	215	7·3	220	7·4	220	8·0	8·7	3
335	7·8	330	7·5	315	6·8	305	6·5	305	7·3	335	7·5	345	8·4	360	7·0	335	6·5	320	6·0	315	6·5	305	5·7	7·3	4
280	10·2	300	8·5	295	8·1	290	8·4	295	8·7	290	8·7	290	9·9	290	8·9	290	9·8	300	10·7	305	8·5	305	9·4	9·2	5
15	13·4	10	12·0	5	12·8	5	11·5	10	9·9	20	9·8	20	7·5	15	10·3	10	9·2	10	9·1	360	8·3	5	7·0	9·5	6
25	6·8	25	7·3	25	7·3	25	7·5	50	4·6	45	4·4	50	8·1	50	6·1	45	7·1	70	6·0	60	5·6	75	6·3	6·8	7
45	9·7	45	9·2	40	8·9	40	9·8	40	9·6	40	11·1	45	7·8	35	9·7	40	7·7	35	10·7	40	11·1	25	12·2	7·0	8
10	5·9	10	8·6	5	8·7	355	8·4	355	8·3	360	5·8	360	6·8	360	7·7	355	9·3	355	9·5	5	9·5	10	8·6	6·6	9
355	10·7	360	10·9	5	9·7	5	9·5	5	10·4	5	9·0	10	8·4	15	8·6	20	5·9	360	5·6	5	5·8	10	5·4	8·7	10
—	1·5	20	1·6	295	2·0	290	1·9	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	30	2·3	55	1·7	35	2·1	3·2	11
75	4·4	60	4·8	50	4·2	45	4·3	50	2·9	70	2·8	70	5·0	45	4·0	110	2·4	40	2·6	125	2·0	100	1·9	4·8	12
—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·4	45	3·2	45	2·6	45	1·9	45	2·4	45	2·6	45	3·1	**1·8**	13
160	4·7	155	5·2	155	5·6	165	4·8	170	4·2	210	3·5	225	1·9	100	2·3	90	1·9	160	2·8	—	1·3	130	2·4	2·9	14
210	8·2	205	7·3	200	7·2	210	5·5	205	5·3	200	5·7	195	5·0	195	4·8	180	5·0	190	5·6	195	5·5	195	6·7	5·6	15
185	9·6	185	9·2	185	8·7	175	7·7	170	7·0	165	7·2	165	7·6	165	8·2	160	8·4	150	10·2	150	11·6	145	10·5	8·6	16
165	8·5	160	7·3	140	8·0	135	8·1	140	9·3	135	11·5	130	13·1	130	13·3	135	12·5	140	11·1	130	11·6	155	9·9	10·7	17
200	4·8	165	5·0	180	4·0	155	4·0	140	4·9	135	5·5	145	4·9	130	4·3	135	4·5	125	4·5	115	4·2	115	4·2	5·5	18
95	3·1	65	2·2	65	3·3	50	2·4	60	3·6	65	3·6	60	3·6	45	5·1	40	4·1	45	2·4	35	2·4	50	3·8	3·7	19
80	4·7	75	4·2	75	4·4	75	4·4	75	4·7	75	5·0	70	4·6	70	4·5	75	4·2	65	3·5	55	5·5	45	8·3	4·0	20
30	7·2	20	6·0	20	6·8	35	5·2	25	3·6	25	4·7	30	5·0	30	4·3	30	3·9	25	5·0	25	5·4	30	4·7	7·3	21
—	1·0	—	0·5	—	1·2	—	1·5	—	1·2	205	1·7	140	1·7	—	1·4	—	1·5	150	3·7	160	5·2	165	5·5	2·6	22
200	9·7	190	9·6	195	9·8	205	9·6	225	9·6	230	8·5	260	8·1	285	7·1	290	7·1	300	6·7	305	5·6	315	2·5	7·9	23
240	5·2	250	6·5	240	5·8	235	6·0	230	6·2	255	8·2	260	5·0	255	3·4	260	3·5	275	5·2	275	3·3	250	2·1	4·3	24
205	7·4	200	7·7	190	8·5	190	8·7	190	9·1	190	9·8	190	9·7	185	9·6	185	9·7	185	10·4	180	9·7	175	10·5	6·5	25
180	8·2	180	7·8	180	8·4	185	8·2	185	8·8	190	9·7	190	9·0	200	7·6	180	3·8	170	4·8	170	5·8	185	4·5	8·9	26
—	0·5	—	0·5	—	0·5	—	0·5	—	1·3	—	1·0	—	0·5	115	1·6	140	4·2	140	6·2	145	7·6	150	7·8	1·9	27
205	10·5	235	9·2	310	4·9	335	3·0	310	4·5	330	5·4	315	6·0	305	7·0	315	7·7	345	9·0	350	8·0	360	6·9	7·8	28
360	4·5	5	5·0	10	5·1	5	4·3	25	3·6	25	2·7	—	1·0	45	2·7	—	1·0	130	1·6	—	1·5	75	2·0	4·6	29
165	5·2	155	5·3	150	5·7	150	6·1	155	6·5	165	5·8	155	7·2	155	6·2	155	6·7	155	6·7	155	7·1	150	7·3	4·0	30
—	6·7	—	6·6	—	6·5	—	6·1	—	6·1	—	6·2	—	6·2	—	6·2	—	6·0	—	6·5	—	6·4	—	6·5	6·4	

December and Year, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	
150	6·0	160	5·8	160	6·7	155	5·6	150	5·5	145	5·3	145	5·8	150	7·6	150	8·1	150	10·0	150	9·2	155	9·1	6·7	1
170	6·2	170	7·5	175	7·0	170	7·0	170	6·4	170	6·5	165	6·1	170	6·3	175	6·5	180	7·5	180	7·0	185	6·6	6·6	2
155	13·4	155	12·4	150	12·2	155	12·5	155	12·4	160	12·5	155	11·3	150	12·2	150	11·9	155	10·7	155	11·0	155	10·5	10·6	3
150	8·0	145	9·0	150	7·8	155	8·1	150	8·8	150	9·6	145	9·9	150	9·8	150	9·2	150	10·1	160	9·7	155	10·0	9·3	4
175	13·2	170	13·8	170	15·4	165	16·0	170	14·6	195	8·3	175	8·5	185	10·0	185	8·4	185	8·7	195	8·8	200	10·2	12·3	5
170	4·4	170	5·0	175	4·5	185	4·4	180	4·2	170	4·8	165	4·6	165	4·9	160	5·4	150	5·0	160	5·5	175	4·6	5·7	6
170	4·0	175	3·9	155	4·2	150	3·7	140	4·6	140	5·2	145	5·7	145	6·0	150	6·3	150	6·5	150	7·7	160	7·5	**4·3**	7
175	12·1	195	7·8	160	4·6	170	4·9	180	4·0	260	7·7	220	1·9	150	2·0	165	2·7	175	4·7	180	5·3	190	4·8	7·7	8
170	8·7	170	8·3	165	8·2	175	8·7	185	5·0	175	6·2	170	8·9	160	9·3	160	8·9	155	8·7	165	7·8	160	8·4	8·3	9
145	10·9	150	10·9	150	12·2	140	13·2	125	10·8	125	11·4	125	11·6	115	10·0	110	10·5	115	10·3	130	10·8	120	11·2	10·4	10
70	5·8	85	7·6	90	9·9	75	8·4	70	7·8	75	9·2	80	10·3	90	9·2	65	6·8	75	7·7	65	9·2	50	6·1	8·4	11
90	10·2	90	9·7	90	10·0	90	9·5	105	10·7	90	8·2	100	8·1	70	6·2	100	5·9	120	5·6	120	5·8	115	4·6	8·4	12
100	4·4	110	5·0	110	6·1	110	9·1	85	8·4	90	8·9	75	6·6	75	6·1	70	6·9	85	9·1	95	10·8	105	13·5	6·5	13
—	1·2	170	4·5	335	7·2	335	3·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	30	1·7	35	1·9	4·9	14
95	5·0	100	5·3	95	6·5	85	7·1	90	6·4	85	7·5	80	8·6	90	9·4	95	9·7	90	10·3	85	10·9	85	10·8	5·0	15
130	13·0	135	14·2	130	13·7	125	11·8	120	11·4	115	12·3	120	14·1	115	13·2	120	11·6	106	10·7	110	9·0	100	7·4	**12·6**	16
120	9·6	120	9·7	125	8·5	120	8·7	125	7·3	120	7·2	120	7·5	125	8·0	120	8·4	125	8·2	110	8·3	110	8·1	8·3	17
110	11·2	105	10·9	105	10·0	105	7·5	100	8·4	90	6·4	75	5·1	95	7·1	105	6·4	100	8·9	105	10·0	105	11·4	9·4	18
95	9·8	105	13·4	110	14·0	110	13·0	110	13·2	105	13·1	100	12·8	100	14·2	105	13·2	100	13·0	105	12·9	105	14·6	10·3	19
100	11·9	100	10·9	105	10·1	110	10·2	105	11·5	105	10·5	135	6·0	170	5·4	170	5·6	175	5·8	160	6·0	175	6·5	12·2	20
180	6·9	175	6·7	155	6·9	145	7·4	145	8·4	130	9·3	110	10·2	110	10·0	105	9·0	105	11·6	120	8·2	145	6·7	7·8	21
170	3·6	170	3·4	165	3·4	165	4·0	175	3·5	185	2·2	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	4·8	22
255	8·8	250	7·4	210	5·2	115	2·2	360	2·0	60	2·3	—	0·5	85	3·0	20	2·6	5	6·2	15	4·2	25	3·9	5·9	23
45	5·3	50	5·6	60	6·4	45	7·5	40	7·7	40	6·5	55	6·0	45	5·4	50	6·6	60	6·8	50	7·3	45	8·9	5·4	24
25	10·6	25	12·0	25	11·9	20	12·3	25	11·6	25	11·1	20	13·0	20	12·2	25	12·6	35	12·8	25	12·0	25	12·5	11·2	25
20	9·9	20	8·8	20	10·0	20	10·0	20	10·6	25	10·6	30	10·5	30	10·4	25	10·4	20	10·2	25	9·2	20	9·8	10·9	26
45	6·2	55	4·9	85	3·5	75	3·9	95	6·1	70	8·2	55	10·6	75	7·5	70	8·7	75	8·0	85	7·9	75	7·4	7·2	27
95	6·0	100	8·5	90	6·2	100	7·5	90	6·7	90	6·8	25	5·7	95	3·5	85	4·3	75	5·2	245	4·7	30	7·6	6·1	28
50	6·8	55	6·9	55	6·0	55	4·4	65	4·4	65	5·7	70	5·5	75	6·6	85	8·4	90	7·8	90	8·5	75	7·3	5·7	29
125	2·2	105	4·5	130	6·9	135	7·9	130	8·8	135	10·0	135	11·0	135	10·2	160	6·6	150	7·1	210	6·2	265	2·7	5·0	30
270	5·6	270	4·9	275	3·5	325	1·9	—	0·5	—	1·2	—	1·5	70	2·0	50	2·3	85	1·7	140	4·3	150	5·9	4·5	31
—	7·8	—	8·0	—	8·0	—	7·8	—	7·5	—	7·6	—	7·4	—	7·4	—	**7·3**	—	7·8	—	7·8	—	7·8	7·8	
—	6·8	—	**6·8**	—	6·8	—	6·7	—	6·5	—	6·3	—	6·1	—	5·8	—	5·7	—	5·6	—	5·6	—	5·6	6·1	

424. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres. **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	9	16 55	13	1 15	17	8 20	16	0 5	**24**	21 5	9	10 40	9	14 50	11	10 30	8	13 15	17	23 20	21	23 35	16	22 10
2	17	17 15	21	18 10	24	19 50	22	5 15	23	0 0	12	11 50	9	23 25	13	14 30	12	13 0	25	6 55	20	2 35	17	3 20
3	17	18 55	**23**	14 35	19	23 50	13	21 10	18	2 5	13	2 50	**25**	15 35	11	9 30	13	12 55	13	22 15	18	3 0	23	20 15
4	19	6 30	18	22 45	23	15 15	21	10 35	11	20 55	7	2 15	19	3 50	6	0 10	13	10 55	13	4 40	17	2 50	19	0 45
5	16	23 10	16	9 20	22	9 15	**23**	0 50	10	6 10	20	9 5	16	18 20	6	14 0	13	11 20	9	0 35	19	9 30	24	16 0
6	21	21 5	6	14 15	21	22 55	15	14 35	7	12 55	14	0 25	13	8 25	**20**	16 5	13	15 10	9	11 55	21	15 50	23	2 15
7	20	6 25	5	10 35	16	0 5	16	5 55	11	10 25	11	10 30	12	13 20	18	17 30	12	18 10	11	23 20	17	4 30	12	22 50
8	15	0 20	10	12 20	13	2 50	17	22 35	11	11 40	10	7 30	6	10 55	10	16 50	18	14 25	14	23 15	19	23 55	20	9 45
9	11	1 30	11	1 55	15	18 0	17	18 35	10	14 25	12	17 40	11	23 0	11	22 20	8	5 55	15	0 30	17	0 5	21	9 35
10	9	8 15	18	8 25	16	9 40	19	11 15	8	12 30	9	0 15	13	10 15	14	7 10	17	10 45	11	8 25	18	13 55	23	15 30
11	12	12 50	14	15 10	14	12 55	14	17 55	9	12 30	9	16 35	9	18 25	15	14 30	15	9 50	8	0 25	13	3 30	20	0 45
12	29	12 5	19	20 30	8	0 5	11	0 50	13	15 0	6	14 25	5	19 20	11	4 50	10	19 40	4	18 15	15	9 10	21	3 50
13	30	8 20	17	11 5	11	11 50	14	21 30	10	12 55	8	12 15	7	12 35	11	23 0	9	6 5	7	16 5	5	21 20	18	23 50
14	21	17 45	17	10 35	24	19 10	15	1 20	14	10 10	9	24 0	9	16 35	14	21 45	15	19 30	13	11 0	8	14 0	20	0 10
15	23	4 15	12	8 5	24	1 15	16	2 55	11	16 15	**21**	23 40	6	17 35	17	14 30	**20**	17 0	9	23 45	13	12 40	18	23 45
16	20	16 15	15	12 25	22	4 0	9	15 50	9	15 10	20	1 10	7	23 55	10	3 50	12	21 10	12	20 45	18	23 10	26	14 25
17	20	18 5	12	0 30	14	0 0	9	10 5	7	13 10	19	1 50	6	15 0	16	13 35	11	0 5	13	14 0	**22**	21 30	16	12 10
18	15	7 5	10	21 25	17	16 25	9	16 25	11	22 25	16	13 35	14	23 55	16	12 40	14	21 35	11	8 50	16	0 10	21	22 30
19	14	22 45	8	14 10	17	14 40	10	16 35	11	8 40	17	4 5	14	8 10	19	23 25	19	11 20	11	2 20	7	10 45	27	21 55
20	17	22 5	12	13 10	16	21 40	12	9 10	12	15 5	20	16 15	10	7 30	19	0 0	18	14 15	15	19 30	11	23 50	**29**	6 55
21	25	1 5	14	11 35	19	7 45	13	22 35	15	3 50	17	8 20	11	15 35	19	8 50	15	0 30	14	14 35	17	9 20	17	22 0
22	21	4 40	18	9 20	20	16 40	17	11 20	9	8 25	17	13 10	11	3 40	15	10 5	14	12 55	19	19 20	9	23 45	16	2 35
23	14	3 20	15	1 20	22	22 15	16	1 30	9	17 5	20	23 35	9	2 0	12	12 0	14	17 0	16	2 30	14	17 5	14	9 0
24	27	7 50	11	10 55	18	0 15	17	14 55	9	16 10	19	0 10	9	8 0	17	16 15	15	23 20	16	16 55	13	17 55	13	23 30
25	20	15 40	16	16 45	**29**	10 20	17	13 55	10	10 50	14	23 10	14	15 25	8	22 0	19	12 10	20	17 55	18	22 5	20	19 10
26	24	11 15	20	13 15	18	10 30	10	7 50	7	13 50	18	13 35	16	9 50	14	18 25	15	10 40	30	23 50	17	3 20	21	0 45
27	33	7 50	19	22 45	14	0 50	7	15 55	11	23 35	14	0 55	12	21 0	17	5 50	8	4 5	28	0 40	11	23 20	17	18 40
28	**35**	8 40	19	2 35	15	23 50	6	19 20	11	0 20	10	19 55	12	21 20	11	17 15	19	19 35	**35**	17 25	16	21 30	18	24 0
29	27	5 50	—	—	17	23 20	8	22 15	14	15 0	9	1 20	10	20 55	10	15 0	16	9 10	17	12 35	15	6 50	19	0 30
30	18	18 50	—	—	25	4 40	10	10 25	14	8 20	?	?	13	16 30	9	10 0	14	16 30	19	13 25	11	21 5	17	18 55
31	20	12 5	—	—	29	15 45	—	—	11	10 35	—	—	14	8 40	—	—	—	—	19	23 45	—	—	15	2 15

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

425. Cahirciveen (Valentia Observatory) : H_a = 17 metres + 13 metres. **1927.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.					
	More than 17·2 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	0 to 1·5 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid. Time.		Speed.	Time.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	12th, 28th	9	15	121	454	144	16	0	235	21	28	10	35	28 8 40
Feb.	—	—	5	17	405	193	57	0	190	13	3	16	23	3 14 35
Mar.	31st	1	15	127	434	163	19	0	325	18	31	16	29	25 10 20
April	—	—	5	28	355	297	40	0	190	14	14	11	23	5 0 50
May	—	—	2	9	251	312	172	0	140	13	1	24	24	1 21 5
June	—	—	8	35	332	292	61	0	210	14	20	16	21	15 23 40
July	—	—	4	9	302	317	116	0	155	14	3	15	25	3 15 35
Aug.	—	—	4	7	372	309	56	0	155	13	19	24	20	6 16 5
Sept.	—	—	3	21	298	331	70	0	210	12	28	19	20	15 17 0
Oct.	26th, 28th	4	9	58	272	310	100	0	260	21	28	17	35	28 17 25
Nov.	—	—	11	63	356	243	58	0	180	15	1	6	22	17 21 30
Dec.	20th	3	20	140	413	168	20	0	105	18	20	7	29	20 6 55
Year	6 days	17	101	635	4,244	3,079	785	0	260	21	Oct. 28	17	35	Oct. 28 17 25

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

Readings in degrees absolute.

426. Cahirciveen (Valentia Observatory). **1927.**

Month.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	72·1	72·6	78·6	75·0	78·2	77·8	84·8	83·7	82·6	82·2	81·0	76·4
2	80·0	69·7	74·9	76·1	79·8	78·4	84·7	84·0	78·5	84·5	83·3	79·2
3	76·3	79·0	76·1	75·4	79·8	80·8	82·3	85·6	83·6	**74·0**	85·0	80·0
4	73·2	74·1	77·4	80·4	77·7	78·6	85·1	80·6	85·9	83·0	81·3	79·6
5	78·3	77·9	78·3	78·4	77·5	83·0	83·0	**80·1**	82·0	84·6	78·5	79·0
6	79·3	72·6	73·0	77·4	75·5	81·0	84·5	83·0	82·1	80·2	75·8	74·8
7	76·9	78·0	77·8	74·8	80·6	**75·8**	80·6	85·0	77·8	76·9	73·3	73·1
8	80·9	79·2	75·2	74·6	80·3	79·1	83·2	85·9	85·6	82·0	69·1	76·2
9	81·2	72·7	73·0	76·5	84·3	78·8	81·2	83·0	83·2	85·1	69·8	74·4
10	80·2	74·2	75·1	77·2	81·6	82·8	85·2	86·5	79·8	78·6	76·1	79·8
11	79·3	78·2	73·1	76·1	84·2	82·7	83·5	86·5	80·3	84·0	75·8	78·7
12	78·1	76·7	**69·1**	80·0	81·6	77·7	79·5	86·7	80·5	76·2	73·4	77·3
13	73·3	78·6	69·2	81·2	82·7	79·8	78·5	81·0	81·8	82·8	**66·9**	77·7
14	76·8	79·5	73·4	83·5	79·9	78·0	**78·0**	87·2	82·8	82·1	68·3	77·6
15	75·8	82·5	77·6	78·4	77·8	79·8	79·4	85·4	79·6	80·3	74·4	71·0
16	75·9	76·1	80·4	77·3	79·5	85·4	80·8	82·9	78·8	80·6	78·4	78·3
17	73·4	77·6	79·3	81·4	76·3	83·2	83·9	83·1	79·3	83·2	79·5	77·0
18	72·2	75·4	77·6	83·0	76·7	82·9	81·1	83·0	82·4	79·9	74·6	74·7
19	**68·8**	80·2	83·0	78·3	79·8	83·0	86·0	82·2	83·1	80·2	71·0	74·3
20	77·3	82·4	81·3	78·6	**74·8**	82·1	88·0	84·6	85·2	75·0	72·0	72·3
21	72·8	80·8	78·2	82·4	81·0	82·6	87·8	86·0	87·0	77·8	74·2	79·7
22	74·8	79·5	79·7	83·2	79·7	81·2	81·7	86·0	82·7	75·8	77·8	82·8
23	75·2	75·8	72·7	78·0	80·9	81·4	84·3	82·4	75·6	80·0	76·2	79·5
24	77·8	**69·0**	75·8	79·4	82·8	84·1	87·2	82·7	78·0	77·1	75·6	77·0
25	77·6	83·2	76·1	81·3	77·2	83·1	83·1	80·4	80·6	85·1	75·9	75·8
26	77·6	76·5	77·6	76·0	82·5	81·2	86·8	82 7	77·0	84·3	80·8	72·6
27	75·4	78·7	76·5	**70·2**	80·1	82·5	84·1	85·4	**75·0**	86·2	75·5	71·2
28	79·7	78·2	77·4	71·4	83·8	79·9	82·1	82·1	76·1	80·2	70·7	71·2
29	74·2	—	80·3	72·1	76·4	82·4	86·5	81·4	77·6	77·2	76·0	71·7
30	74·1	—	76·1	76·3	81·9	81·7	85·5	80·5	80·5	82·1	68·3	**68·8**
31	74·1	—	77·1	—	79·8	—	83·2	80·2	—	77·0	—	74·2
Mean	76·2	77·1	76·5	77·8	79·8	81·0	83·4	83·5	80·8	80·6	75·3	76·0

NOTES:—(1) The initial 2 of the readings is omitted, *i.e.*, 275·0 degrees absolute 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 279·0.

427. Cahirciveen (Valentia Observatory). January, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms.) 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St : St-Cu.	St : St-Cu.	3	9	10	10	8	7	F	I	k	J	J	J	...	...	...	...	...	●0	b to c m d_0 *a* : o i d_0 *p* and *n*.
2	St.	St : St-Cu.	St : St-Cu.	10	10	9	10	10	10	J	J	I	J	I	I	●0	...	●0	●0	●0	●0	o i d_0 all day.
3	Cu.	Cu-Nb : St-Cu.	St-Cu.	5	6	7	3	3	1	k	k	l	l	l	l	...	...	...	...	...	...	bc p ▲ *a* and *p* : c p ● *n*.
4	St.	St-Cu : A-Cu.	St-Cu : A-St.	5	7	7	8	10	10	k	k	l	l	l	J	...	...	...	...	...	●0	bc c y *a* : c *p* : o ●0 *p* ● *n*.
5	St.	St-Cu : A-St.	St.	4	9	10	8	10	10	k	J	k	J	I	I	...	...	...	...	●	●0	bc to c *a* : c to o ● *p* : o ● *n*.
6	St : A-St.	St-Cu : Ci : Ci-Cu.	St : St-Cu.	5	3	5	8	7	9	I	J	k	k	k	k	...	...	...	●	...	...	bc to o p ● *a* and *p* : co p ● *n*.
7	St : A-St.	St : St-Cu.	St : St-Cu.	9	8	10	10	10	10	J	J	J	J	J	I	...	...	●0	...	...	...	c to o p ●0 *a* : o p ● *p* : o d_0 *n*.
8	St.	St.	St.	10	10	10	10	10	10	J	J	h	h	h	J	...	...	●0	●0	●0	...	o to o d_0 *a* : o d_0 *p* and *n*.
9	St.	St.	St.	10	10	10	10	10	10	G	F	G	G	G	G	●0	●0	●0	●0	●0	●0	o d_0 m *a* : o i d_0 *p* and *n*.
10	St.	St : St-Cu.	St.	8	10	10	10	10	10	I	J	k	I	J	J	...	●0	...	●	...	...	c to o i d_0 all day.
11	St.	St.	St-Cu.	10	10	10	10	10	9	I	h	I	J	k	J	●0	●0	...	...	...	...	o i d_0 *a* : o i d_0 to c *p* : c to o d_0 *n*.
12	St.	St : St-Cu.	St.	10	10	8	9	9	9	h	h	J	J	J	k	●0	●	...	...	▲	...	od ● *a*:bc to cp ● ▲ *p* 〰 14h to 16h:c to o
13	St.	St : St-Cu.	St : St-Cu.	7	7	10	10	9	8	k	J	J	I	I	k	...	...	...	...	...	...	c p ▲ ● *a* : c to o p ● *p* and *n*. [p ● ▲ *n*.
14	St-Cu : A-St.	St : St-Cu : A-St.	St : St-Cu : Cu-Nb.	10	9	6	6	9	7	J	k	k	k	k	k	...	...	...	...	▲	...	c p ●0 *a* : c p ● ▲ q *p* : bc to c p ● *n*.
15	St-Cu.	St : St-Cu.	St : St-Cu : Cu-Nb.	7	3	8	7	6	9	k	k	k	k	k	J	...	...	...	...	...	●	Variable sky with p ● ▲ all day.
16	St : St-Cu.	St : St-Cu.	St-Cu : Cu-Nb.	10	8	9	8	7	7	k	k	k	k	k	k	...	...	...	...	...	...	c to o p ●0 ● ▲ *a* and *p* : c p ▲ q *n*.
17	St-Cu : Cu-Nb.	St-Cu : Cu.	St : St-Cu.	7	7	2	7	8	3	k	k	l	l	k	m	...	▲0	...	...	...	...	Variable sky p ▲ *a* : p ● ▲ ✱ p : c p ● *n*.
18	St-Cu.	St : St-Cu.	St : St-Cu.	2	2	7	4	4	8	l	l	l	k	l	l	...	...	...	...	●0	...	Variable sky with p ●0 *p* and *n*.
19	A-Cu : A-St.	St-Cu : A-Cu.	St-Cu : A-St.	4	8	5	8	10	10	l	l	m	l	l	k	...	...	...	...	...	●0	Fair with ⌴ *a* : bc to c v to o ● *p*.o ● *n*.
20	St.	St : St-Cu : Cu.	St : St-Cu : Cu.	10	10	7	7	6	3	h	J	k	l	l	k	...	●0	...	...	...	...	o i ●0 d *a* : c p ● ▲ *p* : p ▲ *n*.
21	St.	St-Cu.	St : St-Cu : A-St.	8	9	4	9	9	6	l	J	l	k	l	l	...	...	...	▲	...	...	Variable sky with p ▲ all day.
22	St-Cu.	St-Cu : A-Cu.	St-Cu : A-St.	7	8	7	7	9	10	k	k	l	l	l	k	...	...	...	...	...	...	Variable sky with occasional p ●
23	St-Cu : Ci-St : A-St.	St-Cu : A-St.	St : St-Cu : A-St.	8	8	9	9	10	7	k	l	l	k	k	J	...	●	●0	...	...	...	c to o with occasional p ● all day.
24	St : St-Cu.	St : St-Cu : A-St.	St : St-Cu : A-St.	10	10	10	10	10	10	J	h	I	J	J	J	...	...	...	...	...	...	c to o ● *a* : c to o ●0 *p* : p ●0 ● *n*.
25	St-Cu : A-St : A-Cu.	St-Cu:Fr-Cu:A-Cu.	St : St-Cu.	7	10	3	7	7	2	k	k	l	l	l	k	...	...	...	...	...	...	Variable sky with p ● *a* and *p* : p ● ▲ *n*. [▲ q ↖ *n*
26	Nb.	Cu : St-Cu : A-Cu.	St-Cu : A-St.	10	10	7	7	8	8	h	h	l	l	l	k	●	●	...	...	...	...	o ● *a* c p ● ▲ *p* : variable sky p
27	Nb.	St-Cu.	St : St-Cu.	8	6	7	8	7	10	k	k	k	k	k	J	●	...	...	...	...	...	c p ● ▲ q y *a* : c p ●0 *p* : c p ● ↖ *n*.
28	St.	St-Cu : A-St.	St-Cu : A-St.	10	10	7	8	10	10	J	J	J	J	k	k	●0	...	...	●	...	●	c ● to c y *a* 〰 6h–11h : c p ● to bc *p*:c p
29	St : A-St.	St : A-St.	St : St-Cu : A-St.	10	7	10	8	10	6	J	k	k	l	k	J	●	...	▲	...	●	...	c to o p ● ▲ all day. [▲ ↖ *n*.
30	St.	St : St-Cu : A-St.	St : St-Cu : A-St.	8	5	9	8	9	1	k	l	l	k	l	l	...	...	...	...	...	...	Variable sky with p ● ▲ all day.
31	Cu-Nb : A-St.	St : St-Cu : A-St.	St : St-Cu : A-St.	9	6	9	9	8	10	k	k	k	k	k	k	...	...	●0	●	...	●	c p ● ▲ all day.
Mean Cloud Am'nt.				7·8	7·9	7·8	8·2	8·5	7·7													

428. Cahirciveen (Valentia Observatory). February, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms.) 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St : A-St.	St : St-Cu : A-St.	10	10	10	8	8	1	J	J	J	l	k	k	●	●0	●0	...	●	...	c to o ●0 *a* : c to o ●0 ● *p* : b *n*.
2	St.	St-Cu : A-St.	St.	1	8	10	10	10	10	I	I	I	h	h	h	...	...	...	...	●0	●	b ⌴ to c *a* : c to o ●0 ● *p* : o i d_0 *n*.
3	St.	St : A-St.	St : St-Cu.	10	10	10	10	10	2	I	k	J	I	J	k	●0	...	...	●	●0	...	o i d_0 *a* : o ● ●0 *p* : fair *n*.
4	St.	St-Cu.	St-Cu : A-St.	1	2	2	4	10	7	k	k	l	l	l	J	...	...	...	...	...	●0	Fine *a* : fair to o d_0 *p* : o ● *n*.
5	St.	Fr-Cu : St-Cu.	St-Cu : A-Cu.	10	9	3	3	4	1	h	J	l	l	l	l	●0	...	...	...	...	...	o ●0 *a* : fair to fine p : fine with ⌓ *n*.
6	St : A-St.	Cu.	St-Cu : A-Cu.	2	4	2	3	3	9	k	k	J	k	J	J	...	...	...	...	...	...	⌓ early : fine day becoming c to o *n*.
7	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	9	10	10	10	10	J	J	k	k	I	...	...	...	...	...	...	...	c to o all day.
8	St.	St : St-Cu.	St : St-Cu.	10	10	10	10	8	0	k	k	J	J	k	I	●0	...	...	●0	...	...	o i d_0 *a* : o ●0 *p* : b to bc *n*.
9	St : A-St.	St-Cu.	St : St-Cu.	3	7	10	10	10	10	J	J	J	J	J	J	...	...	...	...	...	...	Fair to cloudy *a* : o y *p* : c to o with
10	St : St-Cu.	St-Cu:Fr-Cu:A-Cu.	St-Cu.	7	10	7	7	10	10	J	k	k	k	k	J	...	...	...	...	...	...	c *a* : bc to c *p* : c to o *n*. [●0 *n*.
11	Cu : St-Cu.	St : St-Cu.	St : St-Cu : A-Cu.	9	7	9	8	6	7	J	k	k	k	k	k	...	...	...	...	...	...	c to o all day.
12	St.	A-Cu.	Fr-St:St-Cu:A-Cu.	1	2	1	4	6	7	I	J	k	k	k	J	...	...	...	...	...	...	Fine *a* : bc y *p* : bc to c i ● *n*.
13	St-Cu : St.	St : A-St.	St : A-St.	10	10	10	5	10	9	J	J	J	k	k	k	...	...	●	...	...	...	o i d_0 *a* : bc to o ● *p* ; variable sky *n*.
14	St-Cu : A-St.	St : St-Cu.	St.	4	8	9	10	10	10	l	k	k	I	I	I	...	...	...	●0	●0	...	bc to c *a* : o d_0 ●0 ● *p* : o ● d *n*.
15	St.	St : St-Cu.	St-Cu.	10	10	7	5	1	6	I	I	k	k	l	l	●0	●0	...	...	...	...	c to o i d_0 *a* : fair *p* and *n*.
16	St-Cu.	St-Cu:A-Cu:Ci-Cu.	Fr-Cu : A-Cu.	5	2	2	3	3	4	l	l	l	l	l	l	...	...	...	...	...	...	Fair to fine *a* and *p* : fair to o i ●0 *n*.
17	Nb : St : A-St.	Cu : St-Cu : A-St : A-Cu.	A-St : Ci-Cu.	10	9	4	7	4	10	J	J	l	l	l	I	...	...	...	...	...	...	bc to c all day.
18	St : A-St.	St : A-St.	St : St-Cu : A-St.	10	9	10	10	10	10	J	k	k	k	k	J	...	...	●0	...	●0	●0	c *a* : c to o ●0 *p* : o d_0 *n*.
19	St.	St.	St.	10	10	10	10	10	10	G	h	J	h	h	h	●0	●0	...	●0	●0	●0	o ●0 all day.
20	St : A-St.	St-Cu : St.	St : St-Cu : A-Cu.	10	9	10	10	8	10	J	J	J	k	k	J	...	...	...	...	...	...	c to o all day.
21	St-Cu.	St : St-Cu.	St : St-Cu.	10	10	9	10	9	10	J	k	k	J	J	I	●0	...	...	...	...	●0	c to o ●0 d *a* and *p* : p ●0 *n*.
22	St. : St-Cu	St : St-Cu.	St : St-Cu.	10	10	8	9	10	10	I	J	k	k	k	k	●0	●	...	●	●	●	●0 d *a* : c to o p ● *p* : c *n*.
23	St-Cu : St : A-St.	St-Cu : Cu : A-St.	St-Cu:A-Cu:A-St.	9	7	6	6	8	3	k	l	l	l	m	l	...	...	...	...	...	...	c to bc *a* : b c y *p* : b v ⌴ *n*.
24	St.	St-Cu.	St : St-Cu : A-Cu.	1	1	7	9	8	10	m	m	m	l	l	J	...	...	...	...	...	●	b v ⌴ *a* : c v p ● *p* : c p ● *n*.
25	St.	St : St-Cu.	St : St-Cu.	10	5	7	8	8	5	J	k	l	k	k	k	...	...	...	●	...	...	bc to c *a* : c p ● *p* : c p ●0 *n*.
26	St-Cu : A-St.	St : A-St.	St : St-Cu : A-St.	9	9	10	10	10	10	k	k	J	k	l	J	...	...	●0	...	...	●0	c to o ●0 *a* : o ●0 *p* and *n*.
27	St-Cu : A-St.	Cu.	St-Cu : A-St : A-Cu.	10	6	3	6	6	10	k	k	l	l	l	k	●	...	...	...	...	...	o ● to bc *a* : fair *p* : c to o i ● *n*.
28	St : A-St.	St : St-Cu.	St : St-Cu.	10	8	9	9	10	9	I	k	l	k	J	J	●	...	...	...	●	●	ci ● *a* : o i d p ● *p* and *n*.
Mean Cloud Am'nt.				7·6	7·5	7·3	7·6	7·9	7·5													

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

NOTE.—Visibility in these tables refers to a landwards direction ; visibility seawards, when it differs from visibility landwards, is given on p. 271.

429. Cahirciveen (Valentia Observatory). March, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St : A-St.	St : St-Cu.	St-Cu.	10	9	6	5	1	3	I	J	k	k	k	k	●	…	…	…	…	…	c to o p ● *a* : b c *p* : bc to c *n*.
2	St.	St : St-Cu.	St : St-Cu.	10	10	9	7	6	1	I	I	J	J	k	k	●0	●0	…	…	…	…	o i ●0 d *a* : o d to c p ●*p* : bctocp ●*n*.
3	St : A-St.	St : A-St.	St : A-St.	10	10	10	10	10	10	k	k	I	I	J	k	…	…	●0	●0	●0	●0	c to o p ●0 *a* : o ●0 *p* : o ●0 *n*.
4	St : St-Cu.	St : St-Cu : A-St.	St : A-St.	10	9	10	10	10	10	J	J	k	J	J	J	…	…	…	●	●	●0	o p ●0 *a* : o ●0 *p* : o ● *n*.
5	St-Cu : A-St.	St : St-Cu.	St : St-Cu.	10	9	8	7	8	5	J	J	k	l	k	k	●0	…	…	…	●0	…	o i ●0 *a* : c *p* : bc to c p ●0 *n*.
6	St : St-Cu : A-St.	St-Cu : St.	St.	9	10	10	10	10	10	k	l	k	k	h	J	…	…	●	…	●0	●0	bc to c p ● *a* : o ●0 *p* : o ●0 to o d *n*.
7	St-Cu : A-St.	St:St-Cu:Cu:A-St:A-Cu.	St : St-Cu : A-St.	9	9	7	7	8	6	k	k	k	k	l	k	…	…	…	…	●	…	c p ▲2 *a* : c p ●2 *p* : c p ●0 to bc *n*.
8	Cu : A-St.	Cu : Fr-Cu : St-Cu.	St-Cu.	8	7	3	5	4	5	l	l	m	l	l	k	…	…	…	…	…	…	cp ●0 to bc *a* : bvc p ●*p* : bc toc p ●*n*.
9	St-Cu:Cu-Nb:A-St.	Cu-Nb:St-Cu:A-St.	St-Cu : A-Cu.	8	7	7	4	7	4	k	l	l	l	l	k	…	…	…	…	…	…	c o p ●▲*a*:c p ●▲ *p*: c p ●▲to bc *n*.
10	St-Cu : Nb.	St-Cu : A-St.	St : St-Cu : A-St.	9	6	5	4	6	9	k	l	l	l	l	l	●	…	…	…	…	●	bc to op ●▲ *a* and *p* : o p ●to.bc *n*.
11	St.	St-Cu : A-St.	Cu : St-Cu.	2	2	5	5	3	6	k	l	l	l	l	l	…	…	…	…	…	…	b to bc *a* : bc p ▲ y *p* : b to bc ␣ *n*.
12	St.	Cu : Fr-Cu : St-Cu.	St-Cu.	1	0	3	4	4	5	l	l	m	m	l	l	…	…	…	…	…	…	b ␣ y *a* : b to bc v y *p* : bc ␣ *n*.
13	A-St.	Cu.	St : St-Cu.	1	1	2	3	5	1	l	l	J	k	J	I	…	…	…	…	…	…	b ␣ *a* : b y to bc *p* : b to bc *n*.
14	St-Cu.	St-Cu : A-St.	St : St-Cu : A-St.	1	6	9	10	10	10	k	k	k	k	I	J	…	…	…	●0	●0	…	b to c *a* : o i ●0 d *p* : o ● *n*.
15	St : A-St.	St : St-Cu : A-St.	St-Cu:A-Cu:Ci-Cu	10	10	9	8	6	7	J	J	k	k	k	k	●0	●0	…	…	…	…	o ●0 *a* ; o to c p : bc to o i ●0 *n*.
16	St : A-St : A-Cu.	St-Cu:A-Cu:Ci-St.	St:St-Cu:A-Cu:Ci-S.	6	5	7	7	7	10	k	k	k	k	J	J	…	…	…	…	…	…	b c *a* : bc to c y *p* : c to o p ● *n*.
17	St : A-St : A-Cu.	St : St-Cu.	St : St-Cu.	5	8	8	8	9	8	k	k	k	l	k	k	…	…	…	…	…	…	bc to o *a* : c p ●0 *p* : c to o d *n*.
18	St : St-Cu.	St : St-Cu.	St.	10	10	10	10	10	10	J	J	J	J	J	J	●0	…	●0	●0	●0	…	o d_0 *a* : o i d_0 *p* and *n*.
19	St.	St.	St.	10	10	10	10	10	10	h	h	I	I	h	I	●0	…	…	…	●0	…	o i d_0 all day.
20	St : St-Cu.	St-Cu:A-Cu:Ci-St:Ci-Cu.	St-Cu:Ci-St:Ci-Cu.	10	8	8	6	7	9	J	k	k	l	k	k	●0	…	…	…	…	…	o i d_0 to c *a* : c to bc *p* : c to bc *n*. [● to b c *n*.
21	St:St-Cu:A-Cu:Ci-S.	St:St-Cu:Ci-St:A-Cu	St : A-St.	5	9	5	9	10	10	l	k	k	k	I	J	…	…	…	…	●0	…	bc to c *a* : bc to c p ●0 i d_0 *p* : c p
22	St : St-Cu : A-St.	St-Cu:A-St:A-Cu.	St : A-St.	6	6	7	10	10	10	k	k	k	k	I	I	…	…	…	…	●0	●0	b c p ● *a* : c p ● ▲ *p* : o i ●0 *n*.
23	St:St-Cu:A-Cu:A-S	St-Cu : A-St.	St : St-Cu : A-St.	7	9	7	2	10	10	l	l	m	m	k	J	…	…	…	…	●0	…	c *a* : c v bc to o i ●0 *p* : o i ● *n*.
24	St-Cu:A-St:A-Cu.	St:St-Cu:A-St:A-Cu	St : St-Cu.	7	6	9	8	6	3	l	l	k	l	l	l	…	…	…	…	…	…	c bc p ●0 *a* : c i ●0 *p* : bc to o i ● *n*.
25	St : St-Cu : A-St.	Nb : St-Cu : A-St.	St-Cu : Ci-Cu. [A-Cu:A-St.	10	10	4	10	7	5	J	I	J	J	l	k	▲	▲	…	●0	…	…	c to o ● ▲ *a* : c to o i ●0 *p* : p ● *n*. [o p ▲ ●0 *n*.
26	St-Cu : A-Cu.	St-Cu:A-St:Ci-St.	St:Cu-Nb:St-Cu:	5	8	4	9	6	8	k	k	l	k	k	k	…	…	…	…	▲	…	c to bc with p ● *a* : o i ●0 *p* : c to
27	St : Cu-Nb : A-Cu.	St : St-Cu : Cu-Nb.	St : A-St.	3	4	6	6	9	9	k	k	k	k	k	k	…	…	…	…	●	…	b to c p ● *a* and *p* : c p *n*.
28	St:St-Cu:A-St:Ci-Cu	St : St-Cu : A-St.	St : A-St.	8	9	10	10	10	10	k	k	k	J	I	J	…	…	…	…	…	…	c *a* : o i ●0 *p* : o ● *n*. [o ●0 p ● *n*.
29	St : St-Cu : A-Cu.	St-Cu : A-St.	St : A-St.	6	4	9	10	10	10	J	J	k	J	I	I	…	…	…	…	●0	…	Variable sky with p ● *a* : c ●0 *p* :
30	St : St-Cu : A-Cu.	St-Cu:A-Cu:A-St.	St : St-Cu : A-St.	4	7	5	3	9	10	k	J	k	l	l	k	…	…	…	…	…	…	c p ▲ *a* : bc p ▲ *p* : c to o ● *n*. [c p ● *n*.
31	St : St-Cu.	St : St-Cu.	St:Nb:A-St:A-Cu.	9	9	7	6	8	3	J	J	k	k	J	k	●0	●	…	…	●	…	o i ●0 and ● *a* : c ●0 *p* : ⩤ 16h :
Mean Cloud Am'nt				7·1	7·3	7·1	7·2	7·6	7·3													

430. Cahirciveen (Valentia Observatory). April, 1927.

1	Nb : St : St-Cu.	St-Cu:A-St:Ci-St.	St : St-Cu : A-St.	4	3	7	10	10	1	l	l	m	l	m	l	…	…	…	…	…	…	b to bc *a*:⊕ 13h c v y to o ●to b*p*:●0 *n*.
2	St : A-St	St : St-Cu.	St : St-Cu.	10	9	10	3	4	5	J	l	I	l	k	k	●0	●0	●0	…	…	…	o i ●0 *a* : o i d0 to bc *p* : fair *n*.
3	St:St-Cu:A-St:A-Cu	St-Cu.	St : St-Cu : A-St.	8	8	9	10	10	10	l	l	l	l	k	h	…	…	…	…	…	●	bc to c v *a* : c to o i d_0 *p* : ρ ● *n*.
4	St.	St-Cu : A-St : A-Cu	St-Cu.	10	10	7	7	4	3	h	I	k	k	k	k	…	●0	…	…	…	…	o ●0 d *a* : c p ● to bc *p* : bc p ● *n*
5	St-Cu : A-Cu.	St : St-Cu : A-St.	St-Cu : A-St.	6	8	10	10	10	10	k	k	k	l	k	k	…	…	…	…	…	…	bc to c p ●0 *a* : i ●0 *p* : p ● *n*. [c p ● *n*.
6	St-Cu.	St : St-Cu : A-St.	St-Cu : Ci-Cu.	3	4	8	10	7	10	l	l	l	l	l	k	…	…	…	…	…	…	Variable sky with p ●0 *a* and *p* :
7	St : St-Cu.	St-Cu : A-St : Ci-St.	St-Cu : A-Cu.	4	3	6	5	6	2	k	l	l	l	l	l	…	…	…	…	…	…	Variable sky p ● ▲ all day.
8	St-Cu : A-St.	Cu : St-Cu : Ci.	St-Cu : A-St.	7	5	4	5	6	8	l	l	m	m	l	l	…	…	…	…	…	…	Fair *a*: b c v to o p ● *p* : fair *n*.
9	St : St-Cu : A-St.	St : St-Cu : A-St.	St : St-Cu : Ci-St.	5	5	7	5	4	6	l	l	l	l	l	l	…	…	…	…	…	…	c p●▲ *a*: bc to c y p▲● *p* : bcp▲*n*.
10	Nb : St-Cu.	Cu.	Fr-Cu : Ci-Cu.	7	8	3	3	2	5	k	k	l	l	l	l	●0	●0	…	…	…	…	bc to c p ● ▲ *a* : b y to bc *p* : fair *n*.
11	St : St-Cu : Ci-St.	St : St-Cu : A-St.	St : St-Cu.	7	9	8	10	10	10	l	l	k	k	I	k	…	…	…	…	●	…	c to o p ●0 *a* : c p ●0 ● p : c *n*.
12	St-Cu.	St : St-Cu : A-St.	St : A-St.	9	10	9	10	10	10	l	l	l	I	J	J	…	…	…	…	…	…	o i d_0 *a* : c to o *p* : c to o i d_0 *n*.
13	St.	St.	St.	10	10	10	10	10	10	I	J	I	h	h	h	●0	●0	…	●0	●0	…	o i d_0 all day.
14	St.	St.	St : St-Cu : A-St.	10	10	10	10	10	10	G	G	F	G	k	k	●	…	●	●	…	…	o m d *a* : o m d ●0 *p* : fair *n*.
15	St-Cu.	St-Cu : Ci-Cu.	St-Cu : A-St.	7	8	7	3	7	6	l	l	l	l	l	l	…	…	…	…	…	…	c p ●0 *a* : c p ●0 to bc *p* : fair *n*.
16	St : St-Cu.	St : St-Cu : A-St.	Fr-St : St-Cu.	9	10	6	8	10	10	l	l	m	l	l	k	…	…	…	…	…	…	c v *a* : v bc to c p ●0 *p* : o d_0 *n*.
17	St.	St.	St.	10	10	10	10	10	10	h	h	I	k	J	J	●0	●0	…	…	…	…	o d_0 *a* : o *p* : o i ●0 d *n*.
18	St.	St : St-Cu.	St : St-Cu.	10	10	10	10	8	9	I	J	k	k	k	k	●0	…	●0	●0	…	…	o c d_0 all day.
19	St : A-St.	St : St-Cu.	Fr-St : St-Cu.	10	10	10	9	9	10	l	k	l	l	l	J	…	…	…	…	…	…	c to o all day.
20	St : St-Cu : A-St.	St-Cu:Fr-St:A-Cu.	St : St-Cu.	7	4	4	8	9	10	J	J	J	J	J	J	…	…	…	…	…	…	bc to c all day.
21	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	J	k	k	k	k	J	…	…	…	…	…	…	c to o all day. [c p ●0 *n*.
22	St : A-St.	St : St-Cu.	St : St-Cu.	10	10	10	10	7	10	J	J	I	I	l	k	…	…	●0	●0	…	…	c to o i ●0 d *a* : o i d to c p ●0 *p* :
23	St : St-Cu.	St-Cu:A-St:Ci-St.	St : St-Cu : A-St.	7	5	7	10	10	8	l	l	l	k	l	k	…	…	…	●0	…	…	bc to c p ● y *a* : c y p ●0 *p* : c to o *n*.
24	St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	9	10	10	l	k	k	k	k	J	…	…	…	…	…	…	c to o i d_0 *a* : c to o *p* : c to o d $_0$ *n*.
25	St : St-Cu.	St : St-Cu.	St-Cu : A-Cu.	10	10	10	10	8	7	I	I	I	J	k	k	●0	●0	●0	…	…	…	o d_0 ● *a* : c i ●0 *p* : c p ● *n*.
26	Fr-St:St-Cu:A-St:	St:St-Cu:A-St:Ci-St	Cu : Ci-Cu.	7	8	9	6	3	1	l	l	l	m	m	m	…	…	…	…	…	…	c y *a* : oc y b v *p* : b ␣ *n*.
27	St-Cu : Ci-St.	St-Cu : A-St.	St-Cu : A-St.	8	10	7	6	5	2	l	l	m	l	l	l	…	…	…	…	…	…	c y *a* : c y bc v *p* : b to bc ␣ *n*.
28	St-Cu : Ci-St.	St-Cu : Ci-St.	St-Cu.	2	6	6	9	7	7	l	m	m	l	m	l	…	…	…	…	…	…	b to bc v y *a* and *p* : bc ␣ *n*.
29	St-Cu : A-St.	Fr-Cu : St-Cu.	St-Cu : Ci-Cu.	2	4	2	2	2	4	m	m	l	m	l	l	…	…	…	…	…	…	v b to bc all day.
30	St-Cu : Ci-Cu.	St-Cu : Ci : Ci-Cu.	St : St-Cu : A-St.	8	7	4	8	9	9	l	l	m	l	l	l	…	…	…	…	…	…	c to bc v y *a* and *p* : c to o *n*.
Mean Cloud Am'nt				7·6	7·8	7·7	7·9	7·6	7·4													

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

NOTE.—Visibility in these tables refers to a landwards direction ; visibility seawards, when it differs from visibility landwards, is given on p. 271.

431. Cahirciveen (Valentia Observatory). May, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Fr-Cu:St-Cu:A-St.	St : A-St.	St : St-Cu : A-St.	10	10	10	10	10	10	l	k	J	J	J	h	...	●0	●0	●0	●0	●0	c to o ●0 ● all day.
2	St : St-Cu.	St : St-Cu.	St : St-Cu.	9	10	10	10	10	10	k	I	I	J	k	J	...	●0	●0	...	...	...	c to o ●0 d all day.
3	St : A-St.	St-Cu : A-St : Ci-St : A-Cu.	St : St-Cu : A-St.	10	9	7	7	9	3	I	J	l	l	l	l	...	...	...	...	...	...	c to o *a* and *p* : fair *n*.
4	St : St-Cu.	St : St-Cu : A-Cu.	St : St-Cu.	7	10	8	8	7	8	k	J	k	k	k	k	...	●0	...	...	...	...	c to o d_0 *a* : bc to c *p* and *n*.
5	St-Cu.	St-Cu:A-St:A-Cu.	Cu : A-St.	1	2	3	2	3	6	l	m	m	m	m	l	...	...	...	...	...	...	b v *a* and *p* : b to bc *n*.
6	A-St : A-Cu.	Fr-Cu:A-St:Ci-Cu.	A-St.	6	4	4	4	2	2	l	l	l	l	l	h	...	...	...	...	...	...	b to bc all day.
7	St-Cu.	Fr-Cu : A-St.	Ci-Cu.	1	1	3	4	2	1	k	k	k	k	l	l	...	...	...	...	...	...	Fine day : ⊅ *n*. [*p* : c to o d_0 *n*.
8	—	St : Cu-Nb : A-St.	St:St-Cu:A-St:A-Cu	0	0	10	10	9	10	k	k	k	J	k	h	...	...	●	●0	...	...	Fine early : ☈ ● 12h 30m and early
9	St : A-St.	St-Cu.	St : St-Cu.	10	6	7	6	7	10	J	k	k	l	k	J	...	...	...	...	...	●0	Fair to cloudy *a* : bc to o i d_0 *p* : c *n*.
10	St-Cu.	St-Cu.	St : St-Cu.	8	8	2	7	8	8	l	l	m	m	l	l	...	...	...	...	...	...	c to b v *a* : bc c v *p* : c to o *n*.
11	St : A-St.	Fr-St : St-Cu.	Fr-St : St-Cu.	10	8	6	6	4	5	J	J	J	J	J	J	...	...	...	...	...	...	c to o *a* : bc *p* : c to o m *n*.
12	St : St-Cu.	St-Cu ; A-Cu.	St : St-Cu.	10	10	4	5	7	9	I	I	I	I	I	k	...	...	...	...	...	...	c to o *a* : bc to c *p* : c to o p ● *n*.
13	St-Cu : A-St.	St-Cu:A-St:Ci-St.	St-Cu:Ci-St:A-Cu.	10	9	7	6	5	2	k	J	l	l	l	l	...	...	...	...	...	...	c p ● *a* : c to bc *p* : bc to b ⊅ *n*.
14	St : St-Cu : A-St.	St : A-St.	St : St-Cu : A-St.	10	10	10	10	8	8	k	I	J	k	k	k	...	●0	●	...	...	...	c to o ●0 ● *a* : c ● *p* : c ●0 *n*.
15	St : A-St.	St-Cu : A-St.	St : St-Cu.	10	10	10	10	8	9	k	k	J	k	l	l	●0	●0	●	...	...	...	c ●0 to continuous ● *a* : o continuous ● to c *p* : c *n*.
16	St : St-Cu.	Cu : Fr-Cu.	Fr-Cu.	8	2	2	2	2	3	l	l	m	m	m	m	...	...	...	...	...	...	bc to b v *a* : b v *p* : b to bc *n*.
17	Fr-Cu : St-Cu.	Cu : St-Cu.	St-Cu : A-Cu.	2	7	6	3	3	1	l	l	m	l	l	k	...	...	...	...	...	...	bc to c *a*: bc v to b *p* : b to bc *n*.
18	St-Cu:A-Cu:A-St.	St-Cu:A-St:A-Cu.	St-Cu:Fr-Cu:A-St:Ci-Cu.	7	7	6	6	5	6	l	l	l	l	l	l	...	...	...	...	...	...	c *a* : bc y *p* : b to bc *n*.
19	Fr-Cu.	Fr-Cu:A-St:A-Cu.	Fr-Cu:St-Cu:Ci-St.	1	2	7	3	3	1	l	l	l	l	l	l	...	...	...	...	...	...	b y *a* : b bc y *p* : b to c *n*.
20	St-Cu.	St : St-Cu : A-St.	St : A-St.	10	10	10	10	10	10	l	l	l	k	I	J	...	...	...	...	●0	●0	c to o *a* : c to o i d_0 *p* : o i d_0 to c *n*.
21	St : St-Cu : A-St.	St : St-Cu.	St : St-Cu.	10	8	4	6	6	9	k	k	l	l	l	l	...	...	...	...	...	...	c p ●0 *a* : bc to c *p* : c to bc *n*.
22	St-Cu : A-Cu.	St-Cu:A-St:Ci-St.	St : St-Cu : A-St.	4	6	8	7	8	9	k	l	l	l	k	k	...	...	...	...	...	...	bc to c all day.
23	St : St-Cu.	St-Cu.	St : St-Cu : Ci-Cu.	10	9	7	5	4	9	l	l	l	l	k	k	...	...	...	...	...	...	c to bc *a* and *p* : c p ● *n*.
24	St : St-Cu.	St-Cu.	St : St-Cu.	9	9	7	5	9	3	J	l	l	l	l	k	...	...	...	...	...	...	c to o *a* : c to bc *p* : b bc ⊅ *n*.
25	St-Cu:A-St:A-Cu.	St-Cu : A-St.	St : St-Cu : A-St.	6	8	10	9	9	9	l	l	l	l	l	l	...	...	...	...	...	...	bc to c *a* : c to o *p* : c ⊅ *n*.
26	St-Cu.	Fr-Cu : St-Cu.	St-Cu.	8	5	1	3	6	8	k	k	k	k	k	I	...	...	...	...	...	...	b to bc *a* : b to c *p* : c ⊅ *n*.
27	A-Cu.	St-Cu : A-Cu.	St-Cu:A-Cu:Ci-Cu.	6	6	6	6	4	9	k	k	l	l	k	I	...	...	...	...	...	...	Fair all day.
28	A-St : St-Cu : A-Cu : Ci-St,	St-Cu : A-Cu.	St-Cu.	9	5	6	7	8	2	k	k	l	k	J	J	...	...	...	...	...	...	b bc c y *a* and *p* : b to bc *n*.
29	St-Cu : A-St.	Cu : Ci : Ci-St.	St : St-Cu : A-St.	6	6	8	7	9	10	l	l	l	l	l	m	...	...	...	...	...	...	b bc y *a* : c y *p* : c to o *n*.
30	St : St-Cu.	St-Cu : A-Cu.	St-Cu.	8	10	4	3	1	2	J	k	l	l	l	l	...	...	...	...	...	...	c to bc *a* : b bc y *p* : b *n*.
31	St-Cu.	St-Cu.	Fr-Cu : A-Cu.	2	2	3	2	2	8	l	l	l	l	l	l	...	...	...	...	...	...	Fine *a* and *p* : c to bc *n*.
Mean Cloud Am'nt				7·0	6·7	6·3	6·1	6·1	6·5													

432. Cahirciveen (Valentia Observatory). June, 1927.

1	St-Cu:A-Cu:A-St.	St-Cu.	St-Cu.	8	4	6	2	2	8	l	m	m	m	l	m	...	...	...	...	...	...	Fair to fine all day ; v most of day.
2	St-Cu.	Cu : St-Cu : Ci-St.	St-Cu : Cu : A-Cu.	5	8	6	10	3	5	l	l	l	l	l	l	...	...	...	...	...	...	Fair to fine *a* : bc to c p ●0 *p* : ci ● *n*
3	St : St-Cu.	St : Fr-St : St-Cu.	Cu : St-Cu.	8	6	5	4	4	2	k	l	l	l	m	m	...	...	...	...	...	...	c p ● *a* : bc to b v *p* : b to bc *n*.
4	St : St-Cu : A-St.	St : St-Cu : A-St.	St : A-St.	8	8	10	9	10	10	l	l	l	l	J	h	...	...	...	...	...	●0	c to o *a* : c to o i d *p* : c to o ● *n*.
5	St.	St-Cu : St.	St : St-Cu : A-Cu.	10	10	10	9	9	9	h	I	I	k	k	k	●0	●0	...	...	...	...	c to o ●0 d *a* : c to o d $_0$ *p* : bc to c p ●0 *n*.
6	St-Cu : A-Cu.	Cu : St-Cu.	Cu : Ci-Cu.	3	8	3	6	1	3	l	l	l	l	l	l	...	...	...	...	...	...	Fair all day ⊅ *n*.
7	St : St-Cu : A-Cu.	Cu : St-Cu : A-St : A-Cu.	St-Cu.	7	9	6	5	7	3	k	k	l	l	l	l	...	...	...	...	...	...	c p ● *a* : fair *p* : fair with p ●0 *n*.
8	Cu : Cu-Nb : St-Cu.	Cu.	Cu:St-Cu:Ci:Ci-St.	4	6	2	3	6	4	l	l	l	l	l	l	...	...	...	...	...	...	b c p ●0 *a* : fine *p* : c to o *n*.
9	St : St-Cu : A-St.	St : St-Cu : A-St.	St : St-Cu : A-St.	10	10	10	10	10	10	l	l	k	k	k	J	...	...	...	...	...	●0	c to o i d_0 *a* : o i ●0 d *p* and *n*.
10	St : A-St.	St : St-Cu.	St : St-Cu.	10	9	8	9	9	10	J	k	k	k	k	k	...	...	...	...	...	...	c o ●0 *a* : c *p* and *n*.
11	St : St-Cu.	St-Cu.	St : St-Cu.	9	7	7	7	4	6	l	l	l	l	l	l	●0	...	...	...	...	...	c p ●0 *a* : c to bc *p* and *n*.
12	Fr-Cu : St-Cu.	Cu : A-St.	St-Cu.	4	8	8	6	7	9	l	l	m	l	l	l	...	...	...	...	...	...	bc to c all day.
13	St : St-Cu.	Cu : Fr-Cu : St-Cu.	St-Cu.	9	8	5	7	6	4	l	l	l	l	l	l	...	...	...	...	...	...	c to o *a* : bc y *p* : b to bc *n*.
14	St-Cu.	Cu : Fr-Cu : St-Cu.	St-Cu.	1	2	4	8	7	10	m	m	l	l	l	l	...	...	...	...	...	...	b v y *a* : b v to bc *p* : c to o *n*.
15	A-St.	St : St-Cu : A-St.	St : St-Cu : A-St.	10	10	10	10	10	10	l	k	k	k	k	k	...	...	...	...	...	...	c y *a* : c to o ●0 *p* : o ● *n*.
16	St.	St : St-Cu : A-St.	St : St-Cu : A-St : A-Cu.	10	6	10	10	9	10	J	J	k	k	k	J	●0	...	...	...	...	...	c ●0 to bc *a* : bc to c *p* : c to o ● *n*.
17	St : St-Cu.	St : St-Cu.	St : St-Cu : A-Cu.	7	6	6	10	9	9	k	k	k	k	J	k	...	...	●	...	...	...	bc to c p ● *a* and *p* : c p ● *n*.
18	St-Cu.	St : St-Cu.	Cu : St-Cu : A-Cu.	5	10	10	8	6	9	k	k	I	k	l	l	...	●0	●0	...	...	...	c to o i ●0 *a* : c ●0 d to bc p ●0 *p* : c p *n*. [●0 *n*.
19	St : St-Cu.	St-Cu : Cu : A-St.	St-Cu : A-St.	8	8	9	6	8	5	k	k	k	k	k	k	...	...	...	...	...	...	c p ●0 *a* : c p ●0 to bc *p* : bc to c
20	St : A-St.	St : St-Cu.	St.	10	10	10	10	10	10	J	I	h	J	J	J	●0	●0	●0	...	...	...	c to o with ●0 *a* : c to o with i ●0 *p* : c p ● *n*.
21	Cu : St-Cu.	St-Cu.	St-Cu.	5	5	4	5	6	2	l	k	l	l	l	l	...	...	...	...	...	...	bc p ● *a* and *p* : b to bc *n*.
22	St-Cu : A-St.	St : St-Cu.	St : St-Cu.	10	10	10	10	9	10	k	k	J	J	k	k	...	...	...	...	...	...	bc to c *a* : c to o with i ● *p* : c p ● *n*.
23	Fr-St : St-Cu.	St : St-Cu : A-St.	St : St-Cu : A-St.	9	5	10	10	10	10	l	l	J	k	k	J	●0	...	●	...	...	●0	bc to c p ●0 *a* : c p ● to o ●0 *p* : c o ● *n*.
24	St-Cu:A-Cu:A-St.	St : St-Cu : A-St.	Cu : St-Cu : Ci-St.	9	8	9	8	7	7	k	k	l	l	l	l	...	...	...	...	...	...	c p ● *a* : c to bc *p* : c p ● d *n*.
25	St.	St.	St.	10	10	10	10	10	9	G	h	h	h	I	k	●	●	●0	●0	●0	...	Overcast with ●0 d_0 and d all day.
26	St-Cu : Cu-Nb.	Cu.	Cu-Nb : Cu.	8	3	7	7	6	9	l	l	l	l	l	k	...	...	...	...	...	●0	c to bc with p ●0 *a* and *p* : c p ●0 *n*.
27	St : St-Cu : A-St.	Fr-St:St-Cu:A-St.	St : St-Cu : A-Cu : A-St.	10	10	9	10	7	8	J	l	l	l	l	l	●0	...	...	...	...	...	c to o with i d_0 *a* : c to bc *p* and *n*.
28	St:St-Cu:A-Cu:A-St	St-Cu : A-Cu.	St : St-Cu.	8	5	8	10	10	10	l	l	l	k	J	J	...	...	...	...	...	●0	c to bc, v at times *a* : c to o d_0 *p* : o i ●0 *n*.
29	St : St-Cu : A-St.	St : St-Cu.	St : St-Cu : A-St.	10	10	9	9	10	10	k	k	l	l	l	l	●0	...	...	...	●0	●0	c to o i ●0 *a* : c to o i ●0 *p* : c to bc *n*.
30	St : St-Cu.	St : St-Cu.	St : St-Cu.	7	7	8	9	10	9	l	l	l	l	l	l	...	...	...	...	...	...	c to bc *a* : c *p* and *n*.
Mean Cloud Am'nt				7·7	7·5	7·6	7·9	7·4	7·7													

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

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 271.

433. Cahirciveen (Valentia Observatory). **July, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St : St-Cu.	St.	St.	10	10	10	10	10	10	J	h	h	h	h	G	...	...	...	...	...	...	c to o *a* and *p* : o i d_0 *n*.
2	St.	St-Cu : A-St.	St-Cu : St : A-St.	10	10	7	8	10	4	h	h	J	k	k	k	●⁰	...	...	...	...	...	o i d_0 *a* : c to bc *p* : bc c ● d *n*.
3	St : St-Cu.	St : St-Cu.	Nb : A-St.	10	9	10	10	10	10	J	J	k	I	I	J	...	...	...	...	...	...	c to o p d *a* : o ● *p* and *n*. [p● *n*.
4	St : St-Cu.	St-Cu : Cu-Nb.	St : St-Cu.	9	8	8	6	9	8	k	k	k	k	k	k	...	...	...	...	...	...	c p ●⁰ a : c to bc p : c to bc with
5	St:St-Cu:A-Cu-lent	St-Cu : A-Cu.	St : St-Cu : A-St.	6	5	6	10	10	10	k	k	l	l	J	J	...	...	...	...	...	●	c to bc *a* : bc to c ● *p* : c i ● *n*.
6	St : St-Cu.	St-Cu.	St : St-Cu.	10	9	6	8	9	6	J	J	k	k	k	k	●⁰	...	...	...	..	...	c o i ● p ● *a* : c to bc *p* : D *n*.
7	Fr-St : Cu.	Fr-St:St-Cu:A-Cu.	St : St-Cu : A-St.	5	3	6	8	9	10	l	l	l	l	l	k	...	...	...	...	...	●⁰	Fair *a* : bc to c p ●⁰ *p* : c to o ●⁰ *n*.
8	St : A-St.	St : St-Cu.	St : St-Cu : A-St.	10	9	6	9	10	7	J	J	k	k	k	J	...	...	...	...	...	...	c to o *a* : c to bc *p* and *n* : D *n*.
9	St : St-Cu.	St : St-Cu : A-St.	St : St-Cu.	10	9	9	6	10	10	J	k	k	k	k	k	...	...	...	...	...	...	bc to c *a* and *p* : c d_0 *n*.
10	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	I	J	k	k	J	k	●⁰	...	...	...	...	...	c to o d_0 *a* : c to o *p* : c to o i ●⁰ d *n*.
11	St : St-Cu.	St-Cu.	St-Cu.	9	10	9	9	6	7	k	l	l	l	l	l	...	...	...	...	...	...	c to o *a* : c to bc *p* and *n*.
12	St-Cu.	St : St-Cu.	St-Cu.	9	10	9	9	8	5	k	l	l	l	l	l	...	...	...	...	...	...	o *a* : c to bc *p* and *n*.
13	Fr-Cu : St-Cu.	St-Cu.	St-Cu.	5	5	4	3	2	1	l	l	l	l	l	l	...	...	...	...	...	...	Fair to fine all day.
14	St-Cu.	St-Cu.	St-Cu.	4	4	1	1	1	1	l	l	m	m	m	m	...	...	...	...	...	...	Fine day with v *p* : D *n*.
15	Ci-St.	St-Cu:Fr-Cu:A-Cu.	Ci-Cu.	1	1	3	3	1	1	l	l	l	l	l	l	...	...	...	...	...	...	Fine with D *a* : b to bc y *p* : D *n*.
16	St-Cu.	St-Cu.	Fr-Cu : Ci-Cu.	2	1	2	2	3	2	l	l	l	l	l	l	...	...	...	...	...	...	Fine with D *a* : fine *p* and *n*.
17	St-Cu.	St-Cu.	St : St-Cu.	8	6	8	10	10	3	l	l	k	J	I	h	...	...	...	...	...	...	Fair to fine all day.
18	Ci-Cu : Ci.	A-Cu : A-St.	St-Cu.	4	7	7	8	9	10	I	k	l	k	k	k	...	...	...	...	...	...	bc y *a* : bc to c y *p* : o i ● *n*.
19	St : A-St.	St : St-Cu.	St : St-Cu.	10	10	10	8	10	10	I	k	k	k	h	I	●⁰	...	...	...	●⁰	●⁰	c to o i ●⁰ d all day : i ●⁰ *n*.
20	St.	St : St-Cu.	St : St-Cu.	10	10	10	9	10	10	I	J	J	k	k	I	●⁰	...	●⁰	...	...	●⁰	c to o i d_0 all day.
21	St.	St-Cu.	St-Cu.	10	10	7	6	2	6	I	J	k	k	k	k	●⁰	●⁰	...	...	...	...	c to o i ● d *a* and *p* : b to c *n*.
22	St-Cu.	St-Cu.	St : St-Cu.	8	9	9	8	9	10	l	l	l	l	l	l	...	...	...	...	...	...	c to o all day.
23	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	9	10	10	10	l	l	l	l	J	I	...	...	...	...	...	...	c to o *a* : c to o i d *p* : o d *n*.
24	St : St-Cu.	St-Cu.	St-Cu.	10	2	9	8	9	10	I	l	l	l	l	l	●	...	...	...	...	...	c to o with d *a* : c *p* : c to o *n*.
25	St.	St : St-Cu.	St : St-Cu.	10	10	10	8	10	9	I	h	J	k	k	J	●⁰	●⁰	...	...	...	...	o d_0 *a* : c to o i d_0 *p* : c o p ● *n*.
26	St : A-St.	St : St-Cu : A-St.	St : St-Cu.	10	10	9	8	8	10	J	J	k	k	l	k	...	●	...	...	...	...	c to o ● *a* : c to bc with p ● *p* and *n*.
27	St : St-Cu.	St : St-Cu.	St : St-Cu.	8	4	8	4	9	10	k	k	k	k	k	J	...	...	...	...	...	...	c to bc with p ● all day.
28	St-Cu : A-Cu.	St-Cu : A-Cu.	St : St-Cu.	3	4	8	8	9	10	l	l	l	l	k	k	...	...	...	...	...	...	bc v *a* : c to o d_0 *p* : o ● *n*.
29	St : St-Cu.	St : St-Cu.	St-Cu : A-St.	10	9	9	6	10	10	k	k	k	k	l	k	...	...	...	...	...	...	c p ●⁰ *a* : c to bc *p* : c p ● *n*.
30	St : St-Cu.	St-Cu.	St : St-Cu.	8	8	5	8	8	9	k	k	k	k	k	k	...	...	...	...	...	...	c p ●² *a* : bc c p ●⁰ *p* : c to bc *n*.
31	Cu : A-Cu.	Cu-Nb : Nb.	Nb : Cu-Nb : St-Cu.	4	8	8	8	4	8	k	k	k	k	k	k	...	...	...	...	...	...	bc to c p ● all day.
Mean Cloud Am'nt			—	7·8	7·4	7·5	7·4	7·9	7·6													

434. Cahirciveen (Valentia Observatory). **August, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Cu-Nb : Cu.	St : St-Cu.	Cu : St-Cu : A-Cu : Ci Cu.	8	4	8	3	3	7	J	k	k	l	l	l	●	...	...	...	...	...	bc to c with p ● *a* : bc to c *p* : c to
2	St : St-Cu.	St:Nb:St-Cu:Ci-St	St-Cu : Ci-St.	9	9	7	8	8	6	k	k	k	l	k	k	...	...	...	...	...	...	c to o *a* : c to bc *p* and *n*. [o i d_0 *n*.
3	St : St-Cu.	St : St-Cu.	St-Cu : A-Cu.	9	10	9	8	8	7	k	k	k	k	l	k	...	...	...	...	...	...	c to o *a* and *p* : bc D *n*.
4	Cu:A-Cu:Ci-St:Ci.	St:St-Cu:A-St:A-Cu	Fr-St:Fr-Cu:A-St.	7	4	8	8	9	6	l	m	m	m	l	l	...	...	...	...	...	...	b c v *a* : c to bc with v *p* : bc D *n*.
5	Ci-Cu : Ci.	Cu : A-Cu.	St-Cu : A-Cu.	3	5	6	6	7	8	l	m	m	l	l	l	...	...	...	...	...	...	Fair to fine with v at times D *n*. [o p ● to bc *n*.
6	St : A-St.	St : A-St.	St : St-Cu : A-St.	10	10	10	10	10	10	l	l	k	J	l	k	...	...	●⁰	●⁰	...	...	c to o *a* : c to o with ●⁰ at times *p* :
7	St-Cu.	Cu : St.	St : St-Cu.	5	5	9	8	7	9	l	l	l	l	l	k	...	...	●	...	...	...	ctobcwithp●*a*:c to o p●●⁰ *p*: cp●*n*.
8	St : St-Cu.	St-Cu.	Cu : St-Cu : A-St.	8	10	5	6	3	2	l	k	l	l	l	l	...	●⁰	...	...	...	...	c to o with p ●⁰ *a* : bc to b *p* : D *n*.
9	St : St-Cu : A-Cu.	St : St-Cu.	St : St-Cu.	5	9	10	8	8	10	k	k	k	k	k	k	...	...	...	...	...	●⁰	bc D *a* : c to o ● *p* : c to o p ● *n*.
10	St.	St : St-Cu.	St : St-Cu.	10	10	10	9	10	10	I	J	k	k	k	k	●	...	...	...	●	...	c to o with p ● all day.
11	St : St-Cu.	St : St-Cu.	St : Nb : St-Cu.	10	10	10	9	10	10	k	k	J	k	k	J	...	...	●⁰	...	...	●⁰	c to o p ● ●⁰ all day. [● *n*.
12	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	7	7	9	10	4	k	k	k	k	k	k	●⁰	...	...	..	...	...	c to bc with p ●⁰ : c to bc *p* : bc to c
13	St : St-Cu : A-St.	St : A-St.	St : St-Cu.	10	10	10	10	10	10	I	J	J	J	J	I	●	●⁰	...	...	...	●⁰	c to o ● *a* : c to o i ●⁰ d *p* : i ●⁰ *n*.
14	St : A-St.	Cu : St-Cu.	St : St-Cu.	10	8	6	10	6	9	J	k	l	k	k	k	...	...	...	...	...	...	bc to c occasional p ●⁰ all day.
15	Nb : St.	St : Nb : St-Cu.	St : Nb : St-Cu.	10	9	10	10	8	9	I	k	k	k	k	k	●⁰	...	...	●⁰	...	...	c to o p ●⁰ ● *a* and *p* : c to bc *n*.
16	St : St-Cu.	St-Cu.	St-Cu:A-St:A-Cu.	6	3	3	4	4	10	l	l	l	l	l	k	...	...	...	...	...	...	bc p ● *a* : bc *p* : c to o p ●² *n*.
17	St : St-Cu : A-St.	Cu : Ci-St : A-Cu.	St : St-Cu.	9	8	7	6	9	10	k	l	m	l	l	k	...	...	...	...	...	...	c to bcv*a* : bcvto o p●²i●*p* : c to o ●*n*.
18	Nb : St-Cu.	Cu : St-Cu : A-Cu.	St : St-Cu.	9	10	7	5	8	7	k	l	k	k	k	k	...	...	...	...	...	●	c to o i ●⁰ *a* : bc to c p● *p* : bcp●⁰ *n*.
19	St : St-Cu.	Cu : St-Cu.	St : Fr-St : A-St.	7	6	4	7	10	10	l	l	m	m	l	k	...	...	...	...	...	●⁰	bc p ●⁰*a*:bc v to o i ●⁰*p*⊕ 16h:c to ●o*n*.
20	St : A-St.	St : St-Cu : A-Cu.	St : St-Cu.	10	8	7	8	8	10	J	J	k	k	k	J	...	...	...	...	...	...	c to o ●⁰ *a* : c to bc *p* : c to o p ●⁰ *n*. [c to o p ● *n*.
21	St : St-Cu.	St : Cu : St-Cu.	St : St-Cu.	10	10	9	10	10	10	J	J	J	J	J	J	●	●⁰	...	●	●	●⁰	c to o p ● ●⁰ *a* : c to o p ●i ●⁰ *p* :
22	St : St-Cu.	St : St-Cu : A-Cu.	Cu : Cu-Nb : A-Cu.	7	7	7	5	3	8	k	J	J	k	k	...	...	...	...	...	...	●⁰	c to bc p ●⁰ *a* and *p* : c p ● to bc *n*.
23	Fr-Cu : St-Cu.	St : St-Cu.	Cu : Ci-Cu : Ci.	3	4	8	6	3	7	l	l	k	l	l	l	...	...	...	...	...	...	bc p ●⁰ *a* : c p ●⁰ to b *p* : c to o ● *n*.
24	St : St-Cu.	St.	St : Nb : St-Cu.	9	6	10	3	5	7	k	l	l	l	l	l	●⁰	...	●	...	...	...	c i ●⁰ *a* : c p ● *p* : bc *n*.
25	St : St-Cu : A-St.	St-Cu.	St : St-Cu.	7	6	9	9	10	10	k	l	k	k	l	l	...	...	...	...	...	...	bc p ●⁰ *a* ⊕ 10h : c to o p ●⁰ *p* : [bc to c D *n*.
26	St : St-Cu.	St : St-Cu.	St : St-Cu.	7	10	10	9	9	7	k	J	k	k	k	k	...	●⁰	...	...	...	...	c to o i d_0 *a* : c to o *p* : bc to o i ●⁰ d *n*.
27	St.	St : St-Cu.	St : St-Cu.	10	10	9	9	10	10	I	I	k	k	k	J	●⁰	●	...	...	...	●⁰	c to o ●⁰ d *a* : c to bc *p* : c to o ● p●*n*.
28	St-Cu : Fr-St.	Cu : St-Cu.	Cu : A-Cu.	2	7	6	6	3	4	k	l	l	l	l	k	...	...	...	...	...	...	c to bc *a* : bc to c p ● *p* : bc p ●⁰
29	St-Cu.	St-Cu.	St-Cu.	1	3	5	4	6	4	l	l	l	l	k	k	...	...	...	...	...	...	b to bc all day. [to b *n*.
30	Cu.	Cu : St.	Cu : St.	3	1	1	1	1	1	l	l	l	l	l	k	...	...	...	...	...	...	Fine *a* and *p* : c i d_0 *n*.
31	St : St-Cu.	Cu : St-Cu.	St : St-Cu.	10	9	3	9	10	10	I	k	k	k	J	J	●⁰	...	...	...	...	...	c to o i d_0 *a* and *p* : c to o p ● *n*.
Mean Cloud Am'nt				7·5	7·4	7·4	7·2	7·3	7·8													

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

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 271.

435. Cahirciveen (Valentia Observatory). September, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St : St-Cu.	St : Cu : St-Cu.	Cu.	2	6	5	5	3	2	k	k	l	l	l	l	...	...	...	...	...	...	b to bc *a* : bc p ●0 to b *p* : b to bc *n*.
2	St-Cu:Ci-Cu:Ci-St	St-Cu:A-Cu:Ci-St.	St : St-Cu.	6	7	6	7	9	10	l	l	l	l	l	l	...	...	...	...	...	...	b c *a* : bc to c *p* : c *n*.
3	St:St-Cu:A-Cu:Ci St	Fr-St:St-Cu:A-Cu:Ci.	St:St-Cu:Ci-Cu:Ci-St.	8	8	6	7	8	7	k	l	l	l	l	l	...	...	...	...	...	...	c to bc all day : ⊕ 9h.
4	St : St-Cu : A-Cu.	St-Cu : A-St.	St.	7	7	8	10	10	10	l	k	k	k	I	I	...	...	...	●0	●	●	Fair *a* : c to o i d_0 ● *p* : c to o ● *n*.
5	St : St-Cu : A-Cu.	Fr-St:St-Cu:A-Cu.	St:St-Cu:A-St:A-Cu	9	9	8	9	9	10	k	k	l	l	k	k	...	...	...	...	...	...	c *a* : c to o ●0 *p* : bc to c p ● *n*.
6	St:St-Cu:A-Cu:Ci-Cu.	St : St-Cu.	Cu : St-Cu : A-Cu.	6	2	6	7	8	3	k	l	l	l	l	l	...	...	...	...	...	...	Fair to fine day : ☭ *n*.
7	St-Cu : A-Cu.	Fr-St:St-Cu:A-St.	St : St-Cu : A-St.	6	6	8	9	10	10	l	l	l	l	J	h	...	...	...	...	...	...	Fair *a* : bc to c ●0 *p* : c to o ●0 d *n*.
8	St.	St.	St : St-Cu.	10	10	10	10	9	10	I	h	h	h	k	k	●0	●0	●0	●0	...	...	o i d_0 ●0 *a* and *p* : c to o *n*.
9	St : St-Cu : A-St.	St : St-Cu : A-Cu.	Cu : Ci-Cu.	10	9	7	5	3	9	k	k	k	l	l	k	...	...	...	...	...	...	c to o *a* : c to bc with p ●0 *p* : c p ● *n*.
10	St : St-Cu.	St : St-Cu : A-Cu.	St : St-Cu : A-Cu.	9	6	5	6	6	3	k	k	k	k	l	l	●	...	...	...	●	...	Variable sky with p ● all day.
11	St-Cu.	Cu.	St : St-Cu.	8	9	8	6	9	9	l	l	l	l	l	l	●0	...	●	...	●0	...	bc to c with p ●0 all day.
12	St : St-Cu.	St:St-Cu:A-St:A-Cu	St : St-Cu.	9	10	8	10	10	10	l	l	l	l	J	I	...	...	...	...	●0	●0	c to o *a* : c to o i d_0 *p* : c p *n*.
13	St : St-Cu.	St : St-Cu.	St : Cu : St-Cu.	9	9	10	9	8	10	k	l	l	l	l	J	...	...	...	...	...	...	c p ●0 *a* : c to o ● *p* : c to o ●0 *n*.
14	St-Cu:Fr-St:A-St.	St:St-Cu:A-Cu:A-St	St : St-Cu.	10	10	7	7	6	10	k	k	l	l	k	k	●0	●0	...	...	...	...	c to o ●0 *a* : c to bc p ●0 *p* : bc to c *n*.
15	St : St-Cu : A-Cu.	St-Cu.	Cu : Ci : Ci-St.	6	5	2	3	6	3	k	l	l	l	l	k	...	...	...	...	...	...	Fair to fine all day.
16	St : St-Cu.	St : St-Cu.	St : A-St.	10	10	10	10	10	10	l	l	l	J	h	G	...	...	...	●0	●0	●0	Cloudy *a* : c i ●0 d *p* : c to bc *n*.
17	St-Cu : A-Cu.	St-Cu : Ci : Ci-St.	St : St-Cu : A-St.	5	9	6	8	10	10	l	l	m	l	l	l	...	...	...	...	...	...	bc to c *a* : bc to c v : o i ●0 d *n*.
18	St.	St-Cu : St.	St.	10	10	10	10	10	10	k	J	k	k	h	I	●0	●0	●0	...	●0	●0	c to o i ●0 d all day.
19	St : A-Cu : A-St.	St : St-Cu.	St : St-Cu : A-Cu.	8	9	10	7	6	10	J	J	J	J	k	k							c *a* : c to bc *p* : c to o ● *n*.
20	St.	St : St-Cu.	St.	10	10	10	10	10	10	h	J	I	I	I	I	●0	●0	...	...	...	...	c to o ●0 d all day.
21	St : St-Cu : A-St.	St : St-Cu : A-St.	St.	10	10	10	9	10	9	J	I	k	k	I	I	●0	●0	...	...	●0	...	c to o ●0 *a* : c i ●0 *p* : c p ● *n*.
22	St : St-Cu.	St : St-Cu : A-Cu.	St : St-Cu : A-Cu.	9	9	8	7	7	1	k	k	k	k	l	l	●0	●	...	...	...	...	c to bc with p ●0 *a* and *p* : fine with ☭ *n*.
23	Fr-Cu : A-Cu.	Fr-Cu : St-Cu.	Fr-St : Cu : St-Cu.	3	2	2	4	5	3	m	m	m	l	l	l	...	...	...	...	...	...	b bc v ☭☭ *a* : b v bc p ● *p* : p ● *n*.
24	St-Cu : Ci : Ci-Cu : Ci-St.	St:St-Cu:A-Cu:A-St	St : St-Cu : A-Cu.	8	8	8	6	6	9	m	l	l	l	l	k	...	...	...	...	●	●0	c p ●0 *a* : c to bc p ● *p* and *n*.
25	St : St-Cu : A-Cu.	St : St-Cu.	St-Cu.	4	4	7	6	4	2	l	l	l	l	l	l	...	...	●0	...	...	...	bc p ●0 all day.
26	St : St-Cu.	St : St-Cu : A-St.	St : St-Cu : A-Cu.	5	6	10	10	7	8	l	l	k	J	J	J	...	...	●	●	...	●0	bc p ●0 *a* : bc to c p ● ●0 *p* and *n*.
27	St : St-Cu.	St-Cu : Ci-St.	Fr-Cu : Ci : Ci-St.	4	3	3	4	3	0	l	l	m	m	m	l	...	...	...	...	...	...	Fair p ●0 *a* : b to bc with v *p* : bc to c *n*.
28	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	k	k	k	k	I	h	...	...	...	...	●0	●0	c p ●0 *a* : c p ● to o i ●0 d *p* : c ●0 *n*.
29	St : St-Cu : A-Cu.	St : Cu : A-St.	St : St-Cu.	5	7	3	1	2	2	l	k	l	l	l	l	...	...	...	...	...	...	bc p ●0 *a* : bc p ●0 ● *p* and *n*.
30	St:St-Cu:A-Cu:Ci-St	St-Cu : A-Cu.	St:St-Cu:Cl:Ci-St:Ci-Cu.	7	7	7	7	6	10	k	k	l	k	k	k	...	...	...	...	...	...	Fair all day with p ●0 *p* : ⊕ 9h-10h
Mean Cloud Am'nt.				7·4	7·6	7·3	7·3	7·3	7·3													

436. Cahirciveen (Valentia Observatory). October, 1927.

1	St.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	h	h	k	k	k	J	●	●0	●	...	...	●0	o ● *a* : c p ● to o i d_0 *p* : o p ● d *n*
2	St.	Cu : St-Cu : Ci-Cu.	Cu : St-Cu.	10	9	5	4	4	2	h	J	l	l	l	l	●0	...	...	...	...	...	c to o d_0 *p* ●0 *a* : b to bc *p* and *n* : ☭ *n*
3	St-Cu:A-Cu:Ci-St.	St-Cu:A-Cu:Ci-Cu.	St : St-lent : M-Cu.	4	5	4	2	9	10	l	l	m	m	l	l	...	...	...	...	...	...	Fair day : v *p* : p ●0 *n*.
4	St : St-Cu.	St : St-Cu.	St : St-Cu : A-Cu.	9	10	8	7	6	9	J	I	l	l	l	l	●0	●0	...	...	...	...	c to o i ●0 d *a* : bc to c *p* and *n*.
5	St : St-Cu.	—	—	6	3	0	0	0	0	l	m	l	l	l	l	...	...	...	...	...	...	Fine day ; v *a* : y *p* : ☭ *n*.
6	—	Fr-Cu.	St-Cu.	0	0	1	1	1	0	l	l	k	k	k	J	...	...	...	...	...	...	Fine all day : y *a* and *p*.
7	St-Cu.	St-Cu.	St-Cu : A-Cu.	2	0	1	1	2	2	k	k	k	k	k	k	...	...	...	...	...	...	Fine all day : y *p*.
8	—	—	St-Cu.	0	0	0	0	1	0	k	k	J	J	l	l	...	...	...	...	...	...	Fine all day ; y *a* and *p*.
9	St : St-Cu : A-Cu.	Fr-Cu : Ci-Cu : Ci.	Fr-Cu:A-Cu:Ci-Cu.	4	6	3	2	3	2	k	k	k	J	J	J	...	...	...	...	...	...	b to bc all day.
10	Ci-Cu.	Fr-Cu : Ci-Cu.	Cu : St-Cu.	2	2	2	1	3	9	l	k	k	k	k	k	...	...	...	...	...	...	Fine *a* : b to c *p* : c *n*.
11	St-Cu : Fr-Cu.	Fr-Cu.	Fr-Cu.	9	8	1	1	1	0	k	k	k	k	k	k	...	...	...	...	...	...	c to bc *a* : fine *p* : b to c ☭ *n*.
12	St.	St.	St.	10	10	10	10	10	10	F	E	I	I	G	I	...	...	...	...	...	...	Overcast all day ; m f *a* : m *n*.
13	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	8	H	J	J	J	I	k	...	...	...	...	...	...	c to o all day.
14	St : St-Cu : A-Cu.	Cu:Fr-Cu:Ci-St:Ci.	Cu : St-Cu : Ci-St.	9	7	6	6	7	7	l	l	l	l	k	k	...	...	...	...	...	...	c to bc *a* : b c *p* : c *n*.
15	Cu : St-Cu : Ci-St.	St : St-Cu.	St : St-Cu.	9	9	8	9	4	9	m	l	l	l	l	k	...	...	...	...	...	...	c to o *a* : bc to c to o i d_0 *p* : i d_0 *n*.
16	St.	St : Ci-Cu : Ci.	St.	10	10	8	8	10	10	I	J	k	J	I	I	●0	...	...	...	●0	●0	c to o i d_0 *a* : c p ●0 to i d_0 *p* : c p ●0 *n*
17	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	9	9	8	7	7	k	k	k	k	k	k	...	...	...	...	...	...	c to o *a* : c to bc *p* : bc to c p ●0 *n*.
18	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	9	9	k	I	k	k	l	k	...	...	...	...	...	...	c p ●0 *a* and *p* : c p ● to bc *n*.
19	St : St-Cu : A-Cu.	Fr-St:St-Cu:Ci-St: [A-Cu:Ci.	St : St-Cu : Ci-St.	5	8	7	7	9	1	k	l	l	l	l	l	...	...	...	...	...	...	bc p ●0 *a* : bc occasional p ●0 *p* : b to bc ☭ *n*.
20	St-Cu.	St : A-St.	St : St-Cu : A-St.	6	9	10	10	10	10	l	l	l	l	k	J	...	...	...	...	...	...	bc to c *a* : c to o i d_0 to ● *p* : c *n*.
21	St : St-Cu : A-Cu.	St : St-Cu : A-St.	St : St-Cu.	6	10	10	10	9	6	k	k	J	J	k	k	...	●0	●	...	...	...	c to o i d_0 ● *a* : c to o i ● *p* : bc p ● *n*
22	St : St-Cu : A-Cu.	St:Cu:St-Cu:A-St.	St : St-Cu : Cu-Nb.	4	7	3	5	9	8	l	l	l	k	k	k	...	...	...	...	●0	...	bc *a* : bc to c p ● *p* : c p ●0 *n*.
23	St : St-Cu.	Cu : St-Cu : A-St.	St : St-Cu : A-St.	10	9	8	9	9	2	l	l	m	l	l	k	...	...	...	...	...	...	c *a* : c to bc *p* : c to o i d_0 *n*.
24	St : St-Cu.	St.	St.	10	10	10	10	10	10	J	h	I	I	I	h	●0	●0	...	●0	●0	●0	c to o i d_0 ●0 *a* : o p ●0 d ● *p* : o i
25	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	I	I	I	h	I	I	●0	...	...	●0	●0	...	c to o with i d_0 ●0 all day. [● d *n*.
26	St : A-St	St : St-Cu.	St : St-Cu.	10	10	9	9	10	10	I	I	k	k	I	J	●0	...	...	...	●0	...	c to o i ●0 all day : ☵ 24h.
27	St : St-Cu : A-St.	St : St-Cu.	St : St-Cu.	6	8	7	3	5	1	k	k	k	k	k	k	...	...	...	...	...	...	bc to c with occasional p ● *a* and *p* : c ● *n*. [19h : c *n*.
28	St : A-St.	St : St-Cu.	St.	10	10	9	10	10	9	I	I	J	I	h	h	●0	●0	●0	●0	●0	...	c to o ● *a* : c to o i ●0 *p* : ☵ 17h to
29	St:St-Cu:A-Cu:Ci-St	Fr-St:St-Cu:A-Cu.	St : St-Cu.	7	8	6	9	9	10	k	k	k	k	k	k	...	...	...	...	...	...	c to bc *a* and *p* : c to o i ●0 *n*.
30	St.	St-Cu : A-St.	St : St-Cu : A-St.	10	10	10	3	8	8	I	J	k	k	k	k	●0	●	●0	...	...	...	c to o ● *a* : c to o i ●0 *p* : c to bc *n*.
31	St-Cu.	Fr-Cu:St-Cu:A-Cu.	Fr-St:St-Cu:A-St:A-Cu.	5	8	7	9	9	6	l	l	l	l	l	l	...	...	...	...	...	...	c to bc *a* and *p* : c to o● *n*.
Mean Cloud Am'nt.				7·2	7·7	6·5	6·2	6·9	6·3													

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

NOTE.—Visibility in these tables refers to a landwards direction ; visibility seawards, when it differs from visibility landwards, is given on p. 271.

437. Cahirciveen (Valentia Observatory). November, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Nb.	St : Nb.	St.	10	10	10	10	10	10	G	G	h	h	G	G	●	●	●0	●0	●0	●0	Overcast with ● ●0 and d at times all day.
2	Fr-St : St-Cu.	St : St-Cu.	St.	9	8	10	10	10	10	J	J	J	I	h	h	...	...	...	...	●0	...	c to bc *a* : c to o i d ●0 *p* : c i ●0 *n*.
3	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	9	8	7	3	7	J	J	k	k	k	k	...	...	...	...	...	...	c *a* : c to bc *p* : c p ● *n*.
4	St : St-Cu : A-St.	Fr-Cu:St-Cu:A-Cu.	St : St-Cu.	9	8	5	5	2	7	k	k	l	l	l	k	...	...	...	...	...	...	c p ●0 *a* : bc to c p ●0 *p* : b to bc *n*.
5	St : St-Cu.	St : St-Cu.	St-Cu:A-St:A-Cu.	10	10	10	10	8	8	k	k	I	k	k	k	●0	...	●0	●	...	...	bc to c p ●0 *a* : c p ● *p* and *n*.
6	Nb : Cu-Nb.	St-Cu : Cu-Nb.	St : St-Cu.	9	5	9	7	6	6	k	k	k	k	k	k	...	...	●0	...	...	...	bc to c p ● *a* and *p* : bc p *n*.
7	Cu-Nb:St-Cu:A-Cu.	Cu : St-Cu : A-Cu.	St : St-Cu : A-Cu.	3	3	6	8	6	2	l	m	k	k	l	l	...	...	...	...	...	...	b to bc p ▲ q v *a* : bc p ●0 *p* : b
8	Fr.-Cu.	Cu : Fr-Cu.	Fr-Cu : St-Cu.	1	1	1	2	5	1	l	m	m	l	l	l	...	...	...	...	...	...	Fine : ␣ *a* : y *p*. [␣ *n*.
9	St-Cu.	St : St-Cu.	St : St-Cu.	8	1	9	8	6	8	l	l	k	l	l	k	...	...	▲	...	...	...	c to bc *a* : c p ▲ ● *p* and *n*.
10	St-Cu.	St : St-Cu : A-Cu.	St : St-Cu.	8	8	6	8	7	6	l	l	l	l	l	l	...	...	...	...	...	...	c y p ●0 *a* : c p ●0 ● *p* : bc to c p ● *n*
11	St-Cu : A-Cu.	St-Cu : A-Cu.	St-Cu : A-Cu.	8	8	6	4	6	9	l	l	m	l	l	l	...	...	...	...	...	...	bc p ●0 *a* : bc v at times *p* : bc p ● *n*
12	St-Cu.	Ci-Cu.	A-Cu : Ci-Cu.	9	1	1	6	4	2	l	m	m	l	l	l	...	...	...	...	...	...	c to bc v *a* : b to bc v y *p* : b ␣ *n*.
13	Ci-Cu : Ci-St.	Fr-Cu.	—	2	5	1	1	0	3	l	l	l	m	l	l	...	...	...	...	...	...	Fine day : ␣ *a* and *n*.
14	St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	8	l	l	l	l	l	l	...	...	...	...	...	...	c to o *a* and *p* : c p ●0 *n*.
15	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	8	9	8	5	1	k	k	k	k	k	k	...	...	●0	...	...	...	c p ●0 to bc *a* and *p* : c p ●0 *n*.
16	St : St-Cu.	St : St-Cu.	St : St-Cu : Ci-Cu.	8	10	9	6	3	6	J	J	k	k	k	k	...	●0	...	...	...	...	c i d0 *a* : c to bc *p* : c ●0 *n*.
17	Nb : St.	St:St-Cu:A-Cu:Ci-Cu.	St : St-Cu.	10	10	7	7	7	10	k	k	l	l	k	J	●0	...	...	...	...	...	c ● *a* : c to bc p ● *p* and *n*.
18	Cu-Nb.	Cu : St-Cu.	St : St-Cu.	2	2	5	8	9	8	l	l	l	l	l	l	...	...	...	...	...	...	b to bc with p ▲ *a* : c i ●0 *p* : c p ●0 to b ␣ *n*.
19	Fr-Cu.	Fr-Cu:A-Cu:Ci-Cu.	Fr-Cu : A-Cu.	1	5	3	6	7	10	l	l	l	l	l	k	...	...	...	...	...	...	Fine day : ␣ early and late : c ● *n*.
20	A-St : St-Cu.	St-Cu : Cu.	St : St-Cu.	9	6	8	2	2	2	k	k	k	l	l	l	...	...	...	...	...	...	c to bc *a* : c p ● to b *p* : b to c p ● *n*.
21	St : Cu-Nb : St-Cu.	St : Nb : St-Cu.	St : Nb : St-Cu.	10	8	10	9	8	10	J	k	J	J	J	J	●0	...	...	...	...	...	c p ●0 *a* : c *p* and *n*.
22	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	9	k	l	l	l	l	k	...	...	...	...	...	...	c to o *a* and *p* : c to o ● *n*.
23	St.	St : St-Cu.	St.	10	10	10	10	10	10	h	J	J	h	I	J	●	●0	●0	●0	●0	...	c to o ● *a* : o i ●0 *p* : c to bc *n*.
24	St-Cu : Cu : A-Cu.	St : St-Cu.	St : St-Cu : A-Cu.	8	6	8	3	7	2	l	l	l	l	l	l	...	...	...	...	...	...	c p ● to bc *a* : c to bc *p* and *n*.
25	St : St-Cu.	St : St-Cu : A-Cu.	St : St-Cu.	6	7	6	4	9	10	k	k	k	k	k	k	...	...	...	...	...	...	b to bc *a* : bc to c *p* : c i d0 *n*.
26	St : St-Cu.	St.	St.	10	10	10	10	10	10	J	h	h	h	h	h	...	●0	●0	●	●0	●	Overcast with d0 d ● at times
27	St-Cu.	Fr-Cu : A-Cu.	Fr-Cu : A-Cu.	2	2	2	1	3	2	l	l	l	l	l	l	...	...	...	...	...	...	Fine day : ␣ *n*. [clearing *n*.
28	St-Cu:A-Cu:A-St.	St.	St : St-Cu.	9	10	10	10	9	2	k	k	h	I	k	l	...	...	●0	●	...	...	c *a* : c to o ● to bc p ● *p* : bc p ●0 *n*.
29	St-Cu.	Fr-Cu : St-Cu.	St-Cu.	5	2	3	3	1	1	l	l	l	l	l	l	...	...	...	...	...	...	b to bc p ●0 *a* : b c p ●0 to b ␣ p :
30	—	St-Cu:A-Cu:Ci-Cu.	St : St-Cu : A-Cu.	0	2	6	7	9	6	l	l	l	l	l	l	...	...	...	...	...	...	b ␣ *a* : b to bc to c *p* : c *n*. [b ␣ *n*.
Mean Cloud Am'nt.				7·2	6·5	6·9	6·7	6·4	6·2													

438. Cahirciveen (Valentia Observatory). December, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St : A-St.	St:St-Cu:A-Cu:A-St	St : St-Cu.	10	10	9	5	8	9	k	k	k	k	k	k	...	...	...	...	...	...	c p ●0 *a* : c to bc *p* : c to o i ●0 d *n*.
2	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	I	J	I	I	I	h	●0	●0	●0	●0	●0	●0	c to o i d0 d ●0 all day.
3	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	9	9	10	10	10	J	k	k	J	J	J	...	...	...	●0	...	...	c to o *a* : o i d0 p ●0 *p* : c p ●0 *n*.
4	Cu:St:St-Cu:A-St.	Nb : St : St-Cu.	Cu : St-Cu.	9	10	9	7	7	9	k	J	k	l	k	k	...	●0	●	...	...	...	c to o i ●0 *a* : c to bc with p ●0 *p* : c *n*.
5	St-Cu : St : A-St.	St : St-Cu.	St : St-Cu.	10	10	10	10	10	10	k	k	J	I	J	k	...	...	●0	●	●	...	c to o i ●0 *a* : c to o i ●0 d ● *p* : c to [bc p ● *n*.
6	St:Nb.	Cu : St-Cu : A-Cu.	St : St-Cu.	10	4	4	3	4	2	l	l	l	l	l	l	...	...	...	...	...	...	c to bc *a* : c p ● to bc *p* : b to bc p ● *n*
7	St-Cu.	Fr-Cu : St-Cu.	Fr-Cu : St-Cu.	2	1	2	1	2	6	k	l	l	l	l	l	...	..	...	...	...	...	Fine day.
8	St : St-Cu.	St : St-Cu.	St : St-Cu.	9	10	10	10	10	2	l	l	J	I	J	l	...	...	●	●0	●0	...	bc to c o i ●0 d : c ● p ● *p* : bc to b *n*.
9	St-Cu:A-Cu:A-St.	St : St-Cu.	St : St-Cu.	8	9	10	10	10	10	l	k	l	k	k	k	...	...	...	...	...	...	c *a* : c to o p ●0 *p* : c p ● *n*.
10	St : Nb.	St : St-Cu : Nb.	Cu-Nb : St : A-St.	10	10	10	10	8	9	k	J	k	J	J	k	●0	●0	●	●0	...	...	c to o i ●0 *a* : c to o i ● *p* : c *n*.
11	St : St-Cu.	St : St-Cu.	St : St-Cu.	10	9	10	10	10	10	k	k	k	J	J	J	...	...	...	...	...	...	c to o all day.
12	St : St-Cu.	St : St-Cu.	St : St-Cu.	9	9	10	10	9	8	k	k	k	k	k	k	...	...	...	...	...	...	c to o all day.
13	St-Cu.	St : St-Cu.	St : St-Cu.	8	4	9	10	10	10	k	k	k	k	J	J	...	...	...	...	...	...	c to bc *a* : c to o i ●0 *p* : c ● *n*.
14	St : St-Cu.	St : St-Cu.	St : St-Cu.	9	10	9	9	8	6	k	k	k	k	k	l	...	...	...	...	...	...	c *a* : c p ● *p* : b to c ␣ *n*.
15	St : A-St.	St : St-Cu : A-St.	St : St-Cu.	10	9	10	10	10	9	l	k	l	J	k	k	...	...	...	●0	...	...	c to o *a* : c to o p ●0 *p* : c o ● *n*.
16	St : A-St.	St : St-Cu : Nb.	St : St-Cu : A-St.	10	10	10	10	10	10	J	J	I	k	k	J	●	●	●0	●0	...	●	c to o i ●0 ● *a* and *p* : c *n*.
17	St-Cu.	St : St-Cu.	St : St-Cu.	9	10	9	10	8	10	l	l	l	k	k	k	...	...	...	...	...	...	c to o *a* and *p* : c to bc *n*.
18	St-Cu : Cu.	St-Cu : A-St.	St : St-Cu : A-St.	5	7	10	10	10	10	k	k	l	k	k	k	...	...	...	...	...	...	c to bc *a* : c to o *p* and *n*. [o✱0 ●0 *n*.
19	St-Cu : A-St.	St : Nb.	St : Nb : A-St.	10	10	10	10	10	10	k	k	J	J	J	J	...	...	✱0	✱0	✱0	...	c to o i ✱0 : c to o i ✱0 *p* : c to
20	St : A-St.	St : St-Cu : Nb.	St : Nb : A-St.	10	10	10	10	9	8	J	J	J	J	k	J	●0	...	●0	●0	...	...	c to o i ●0 d *a* and *p* : ⩛ 6h to 8h : [bc to c p ● *n*.
21	St : St-Cu : A-St.	St : St-Cu : A-Cu.	St : St-Cu : A-St.	10	8	7	9	10	10	l	k	k	k	k	J	...	...	...	...	...	●0	cp ●0 *a* : bc to cp ●0 to o ●*p*: cto o ●2*n*.
22	St.	St : St-Cu.	St : St-Cu : A-Cu.	8	8	8	8	6	6	J	J	J	k	k	k	...	...	...	...	...	...	c to bc *a* : c to bc p ● ●0 *p* : c ●0 *n*.
23	St : St-Cu : A-St.	St : St-Cu.	St : St-Cu : A-St.	10	10	10	8	10	10	J	I	J	k	k	J	...	...	●	...	●0	●0	c to o p ●0 *a* : c p ● to o i ●0 d *p* :
24	St : St-Cu.	St : St-Cu.	St : St-Cu.	9	8	8	8	4	9	k	k	k	k	k	J	...	...	...	...	...	...	c *a* : c to bc *p* : c *n*. [c to o *n*.
25	St : St-Cu.	Cu : St-Cu.	St : St-Cu : A-St.	9	10	7	6	9	10	k	l	l	l	l	l	...	...	...	...	...	...	c *a* : c to bc *p* : c to b ␣ *n*.
26	Fr-Cu.	Cu.	Fr-Cu.	1	1	2	1	1	1	l	l	l	l	l	l	...	...	...	...	...	...	b ␣ *a* : b v *p* : b ␣ *n*.
27	Fr-Cu.	Fr-Cu.	St-Cu.	1	2	1	2	1	1	l	l	l	l	l	l	...	...	...	...	...	...	Fine day : ␣ *a*.
28	St-Cu.	St-Cu.	Fr-Cu.	4	3	4	6	1	0	l	l	l	l	l	l	...	...	...	...	...	...	b to bc *a* : bc y *p* : b to c ␣ *n*.
29	St-Cu.	St-Cu : Ci-St.	St : St-Cu.	7	7	4	3	9	10	l	l	k	k	l	k	...	...	...	...	...	...	bc to c *a* and *p* : c to b ␣ *n*.
30	St-Cu.	St : St-Cu.	St : St-Cu.	1	6	9	8	10	9	l	k	k	k	J	k	...	...	...	...	...	...	b bc ␣ *a* : c to o i d0 *p* : c ● to bc *n*.
31	St-Cu.	St : St-Cu.	St-Cu : A-Cu.	1	2	6	5	4	3	l	l	l	l	l	l	...	...	...	...	...	...	b to bc *a* : bc p ▲0 *p* : bc to c p ●0 *n*.
Mean Cloud Am'nt.				7·7	7·6	7·9	7·7	7·7	7·6	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	
Mean An'ual Cloud Am'nt				7·5	7·4	7·3	7·3	7·4	7·2													

	Cloud Forms.	Cloud Amount (All Forms).	Visibility.	Precipitation.	Remarks on the Weather of the Day.

NOTE.—Visibility in these tables refers to a landwards direction; visibility seawards, when it differs from visibility landwards, is given on p. 271.

M.O. 310
(Richmond)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

RICHMOND (KEW OBSERVATORY)

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

1929

RICHMOND (KEW OBSERVATORY).

Latitude	51° 28′ N.
Longitude	0° 19′ W.
G.M.T. of Local Mean Noon	12h 1m.

Heights in Metres above Sea Level.

Barometer	10·4
Raingauge Site	5·5
Robinson Cup Anemograph	25
Dines Tube Anemograph	25

Heights in Metres above Ground.

Thermometer Bulbs	3·0
Sunshine Recorder	13·3
Robinson Cup Anemograph	20
Dines Tube Anemograph	20
Beckley Rain-gauge Rim	0·53

INTRODUCTION.

The Observatory was built in 1769 as the private observatory of King George III. Since 1842 it has been devoted to physics and meteorology. The meteorological records are continuous from 1854. The Observatory is in the Old Deer Park, Richmond (Surrey), about 10 miles (16 km.) to the west of the City of London. The Observatory stands on a low artificial mound whose level is about 1½ metres higher than that of the surrounding park. 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. The Old Deer Park is mainly open pasture. Round the Observatory a golf course has been laid out. Another open area partly wooded, Syon Park, lies to the north-north-east across the river. Richmond Park is about 1½ miles (2½ km.) to the south-east. General views of the Observatory building and the exposure lawn are to be found in the 1923 volume. For the early history of the Observatory reference may be made to papers by S. P. Rigaud (The Observatory 1882, p. 279), R. H. Scott (Royal Society's Proceedings, Vol. 39 (1885), pp. 37-86), C. Chree (The Record of the Royal Society, 1897), and R. S. Whipple (Proceedings of the Optical Convention, 1926).

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 (pp. 10-16). The following notes supplement, where necessary, the information contained therein.

Notes on Instruments.

Pressure.—The barograph* is mounted in the basement of the Observatory, where the diurnal variation of temperature is very small. The normal position of the instrument has been in the north room occupied by the magnetographs. When the magnetographs were removed and the preparations for the installation of the seismographs were commenced, the barograph was placed in the photographic dark-room (June 16th, 1925). The instrument remained in that position during 1927. The barograph magnifies barometric changes in the ratio 1·553 : 1, i.e., the change of ordinate equivalent to a change of 1 mm. in the height of the barometer is 1·553 mm. "Residual corrections," obtained from the control observations taken daily with the Newman barometer at 9h, 15h and 21h, are applied to the hourly measurements. The same correction is applied to all the readings on the same photographic sheet, i.e., generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by ·3 mb. from those observations. The Newman barometer is compared from time to time with the two large mercury barometers, which were set up in 1855 and 1860 respectively and are still recognised as standards. A zero correction is based on these comparisons. The correction + 0·2 mb. (+ ·006 mercury inch) which has been applied for many years, remained in use during 1927. Comparisons are made on the assumption that the value of the acceleration due to gravity is g = 981·199 cm./sec^2. This is the value given by pendulum observations.† The departure from the value given for the latitude by Helmert's formula is insignificant. On a few occasions when a loss of trace occurred, the missing hourly values were derived from the Dines Float Barograph.* There were 3 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 raingauge 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. = 0·3336a; for the wet-bulb the old Falmouth wet-bulb tube (no number) was in use and the scale value was 1 mm. = 0·290a.

The control thermometers, which were graduated and mounted by Messrs. Negretti & Zambra in 1915, had been made and filled many years before and were therefore well seasoned. The National Physical Laboratory certificates dated 1916 give corrections to the nearest 0·05° C., the largest being 0·10°. The thermometers are tested each January in ice. According to tests made in January, 1927, there was no indication of any change of zero. The water for the wet-bulb thermometers used to be supplied from a small open tank inside the screen and it was customary to fill the tank to overflowing several times each day. In November 1925 a tank was fitted outside the screen. A tube leads from this tank to two cups from which

* For a description of this instrument see *Observatories' Year Book*, 1923, p. 94.

† A comparison between the values of "g" at Cambridge and Kew Observatory was made during the year 1925 by Sir G. 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 Furtwängler, is adopted as the standard of reference.

wicks are taken to the wet-bulbs. A further improvement was made in July, 1926, when a large inverted bottle was set up over the tank. Water flowing from this bottle keeps the level constant in the tank and the cups. The height of the apparatus is adjusted so that water drips slowly from the wet-bulbs. A bottleful of water lasts about a week. It is found that the bottle survives severe frost.

Control eye-readings of the standard thermometers are taken daily at 9h, 15h and 21h. Residual corrections obtained from the control observations are applied to the hourly measurements of the curves. The same correction is applied to all the readings on the same photographic sheet, i.e. generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by 0·3a from these observations. The larger departures refer to occasions when temperature is oscillating or changing rapidly.

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 273a. 577 hours had thus to be dealt with during the year. In previous years humidity was determined from the dry- and wet-bulb readings by the table based on Glaisher's Factors published in the Computers' Handbook. From the beginning of 1926 the procedure described in the General Introduction to this Volume was adopted.

It may be noted that during 1927, as in previous years, the temperatures published for Kew Observatory in the Daily Weather Report and elsewhere also refer to the North-wall screen. For the daily and weekly reports the readings of maximum and minimum thermometers exposed in that screen are utilised.

Rainfall.—As from January, 1921, the standard raingauge for the Observatory has been an 8-inch gauge with the deep " Snowdon " funnel. The site is level and protected from wind, principally by hedges about 1½m. high and distant 11 metres to East and 17 metres to West. The readings of this standard gauge are at 7h and 18h. The hourly readings of the Beckley gauge are adjusted to give totals in agreement with the standard gauge.

Sunshine.—The sunshine recorder is mounted on the south parapet of the roof. The same frame has been in use since 1880 and it is believed that the ball has not been changed. The ball is now somewhat yellow. The exposure is satisfactory. The greatest elevations of the sky line in the azimuths in which the sun can rise and set are 1° and 3° respectively.

Solar Radiation.—Observations are made with an Ångström pyrheliometer, which measures the intensity of the direct radiation received from the sun by a surface which is normal to the sun's rays. The observations are made within half an hour of noon on all days except Sundays, provided that the sun is visible and not too much obscured by cloud, fog or thick haze. The conditions of the intervening atmosphere are indicated in Tables 497-508 in the column " sky." The amount of radiation is given in milliwatts per square centimetre in the column headed " total." For conversion to the unit more ordinarily employed abroad, the following relation may be used, 1mw. per sq. cm. = 0·01435 gramme-calorie per sq. cm. per minute. The vertical component, i.e. the direct radiation received per square centimetre of a horizontal surface, is also given.

The Ångström instruments in use are by Rose, Stockholm. No. 100 was in use until November 11. On this date No. 24 was brought into use and continued to be used to the end of the year. The ammeter is No. 68956, which was certified at the National Physical Laboratory in 1919. The readings are evaluated according to

Ångström's original instructions.* To bring the readings into accordance with the scale adopted by the Smithsonian Institution, a correction of + 3·5 per cent. is required.†

Wind Speed and Direction —To the end of 1925 the record of wind velocity was based on the readings from the Robinson-Beckley cup-anemograph. From the beginning of 1926, readings of the Dines tube-anemograph have been used for all the wind data. The vane of the Dines instrument is at the same level as the cups of the other anemograph, 20 metres above the lawn. There are trees in the neighbourhood reaching greater heights. Those along the river to the west of the Observatory and about 280 metres away average 25 metres. The head of the present Dines instrument, set up at the beginning of the year 1923, is of the Mark II pattern. In the vertical tube there are 80 holes in 4 rows of 20. The diameter of each hole is 3 mm. The connecting tubes, 17 metres long, have the internal diameter 12 mm. In June, 1925, it was noticed that the wind speed given by the pressure tube anemograph was rather less than that given by the Robinson cups. Calibration with a pressure gauge shewed that the adjustment of the pressure-tube instrument was not in accordance with the prescribed formula. From September 20th, 1925, a correction of + 0·5 m/s was applied to all readings of the charts from 0·5 m/s upwards (readings 0·1 to 0·4 m/s being doubled). With this correction the differences between the two anemographs were almost eliminated. The correction was in use throughout the year 1926. The pointer to which the water level has to be adjusted was refitted on May 9th, 1927, and the correction became unnecessary.

Wind direction is given by a twin-lever recorder attached to the vane of the Dines instrument. In accordance with an old convention, wind direction is not printed when the speed of the wind averages less than 1·6 metres per second, though the present vane is sensitive to lighter currents.

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. As will be seen from Table 525 the surface of the underground water surpassed this level at the end of the year when the park was flooded

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 in use throughout the year was M.O. 23006. This thermometer has a spherical bulb, diameter 17 mm.

Identification Numbers of Instruments in use in 1927.

Control Barometer	Newman 34
Control Dry Bulb Thermometer	Negretti & Zambra 173971
Control Wet Bulb Thermometer	Negretti & Zambra 173969
Control Raingauge (8-inch)	M.O. 1271
Measuring Glass for the Control Raingauge	M.O. 1425
Campbell-Stokes Sunshine Recorder	M.O. 12
Dines Tube Anemograph Head	M.O. 1017
Dines Tube Anemograph Recorder	M.O. 1017
Earth Thermometer 1 ft.	M.O. 5
Earth Thermometer 4 ft.	M.O. 10
Grass Minimum Thermometer	M.O. 23006
Photo-thermograph { Dry Bulb	4 II.
Photo-thermograph { Wet Bulb (Old Falmouth Wet Bulb)	No number
Photo-barograph	,,

* Report of the International Meteorological Committee, St. Petersburgh, 1899, p. 57.
† R. E. Watson. *Geophysical Memoir*, No. 21, 1923.
‡ The hour of the readings to be published in the Year Book was changed from 9h to 7h as from January 1st, 1924.

Thermometer Corrections, 1927.

	173971. N.P.L. 1915.				173969. N.P.L. 1915.				MO 5. N.P.L. 1913.		MO 10. N.P.L. 1913.		MO 23006. N.P.L. 1918.	
	°		°		°		°		°		°	°	°	
Certified.	255a	+0·20	285a	−0.10	255a	+0.15	285a	−0.10	260a	+0.1	260 a	+0.3	253a	− 0.1
	260	+ .15	290	− .10	260	+ .15	290	− .10	273	.0	273	+ .1	263	− .1
	265	+ .10	295	− .05	265	+ .10	295	− .05	280	.0	280	+ .2	273	− .1
	270	+ .05	300	− .10	270	+ .10	300	− .05	290	.0	290	+ .1	283	− .0
	273	− .05	305	− .05	273	.00	305	− .05	300	.0	300	.0	293	− .0
	275	.00	310	− .05	275	.00	310	− .05	310	.0	316	+ .1	303	− .0
	280	− .05	—	—	280	− .05	—	—	—	—	—	—	—	—
Applied.	260 } 270 }	+ 0.1	—	—	260 } 270 }	+ 0.1	—	—	—		275 } 285 }	+ 0.2	253 } 278 }	− 0.0
	270.1 } 283.0 }	0.0	—	—	270.1 } 283.0 }	0.0	—	—	260 } 310 }	0.0	285.1 } 295 }	+ 0.1	278.1 } 303 }	+ 0.1
	283.1 } 310.0 }	−0.1	—	—	283.1 } 310.0 }	− 0.1	—	—	—		—	—	—	—

Notes on the Meteorological Tables.

The Weather of 1927.—The year was notable for the very wet summer and for the snowstorm at the end of December.

The rainfall for the whole year was about 30 per cent. above normal. There was a corresponding absence of sunshine, the deficiency amounting to 157 hours.

The snow began to fall on Christmas day at 18h. The depth on December 26 at 9h was 130 mm. The north wind which brought the snow was probably the cause of the high tide in the Thames on the morning of December 26. The river overflowed into the Old Deer Park and the Observatory was almost isolated. The snow cover disappeared after about seven days.

The highest temperature recorded in the North Wall Screen, 299·7a (80° F.) was very moderate. Such a low value has not been published as the maximum for the year since 1920. The lowest temperature recorded was 267·1a (21° F.) on December 19. There were four "ice-days," i.e., days with maximum temperature in the screen below 273a.

Diurnal Variation of Pressure and Temperature.—Harmonic Analysis. In accordance with the precedent of the last five years, the first harmonic components have been computed for each month. The results are tabulated in Tables A and B.

The inequality is supposed to be given by the expression

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

t being the time in hours since midnight. The angles α are the phases of the several sine-waves at midnight. The curves are tabulated according to Greenwich mean time but the phases in Table A have been reduced to local mean time. The difference in Longitude between Kew and Greenwich being only 19′ the correction is hardly appreciable in the figures which are rounded to the nearest degree.

TABLE A.

Diurnal Variation of Barometric Pressure. Fourier Coefficients. $\Sigma c \sin(nt+\alpha)$.
Richmond (Kew Observatory), Longitude 0° 19′ W. 1927. Local Mean Time.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	mb.	°	mb.	°	mb.	°	mb.	°
January	·357	44	·308	157	·185	2	·113	200
February	·115	31	·338	133	·080	351	·039	92
March	·317	42	·338	143	·059	355	·041	25
April	·288	300	·399	145	·049	122	·024	312
May	·352	37	·350	143	·090	140	·031	5
June	·092	252	·201	156	·070	159	·040	264
July	·298	80	·213	133	·117	146	·032	260
August	·213	93	·315	152	·051	132	·045	314
September...	·063	350	·345	136.	·036	19	·059	328
October	·338	28	·425	150	·095	351	·009	298
November	·104	279	·312	154	·136	353	·039	203
December	·153	146	·271	150	·153	0	·107	217
Arithmetic Mean	·224	—	·318	—	·093	—	·048	—
Year	·136	39	·314	146	·041	24	·020	249
Winter	·095	50	·303	148	·138	358	·060	199
Equinox	·187	9	·376	144	·041	12	·029	339
Summer	·174	65	·267	146	·081	142	·029	296

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

TABLE B.

Diurnal Variation of Temperature. Fourier Coefficients. $\Sigma c \sin(nt+\alpha)$.
Richmond (Kew Observatory), Longitude 0° 19′ W. 1927. Local Mean Time.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	a.	°	a.	°	a.	°	a.	°
January	1·207	217	·630	33	·224	227	·017	13
February	1·511	217	·393	39	·148	212	·095	171
March	2·275	230	·665	51	·066	353	·128	197
April	3·056	220	·355	46	·278	16	·060	202
May	4·032	227	·318	54	·372	31	·039	7
June	3·332	224	·192	81	·205	33	·177	52
July	2·714	229	·036	154	·222	19	·024	68
August	2·921	229	·353	42	·209	24	·015	178
September...	2·323	229	·520	59	·137	3	·063	189
October	2·281	226	·661	29	·076	197	·101	216
November	1·187	214	·600	52	·141	225	·030	255
December	·664	228	·316	45	·134	225	·073	90
Arithmetic Mean	2·292	—	·420	—	·184	—	·069	—
Year	2·285	225	·407	46	·069	5	·024	163
Winter	1·139	218	·480	42	·161	223	·044	160
Equinox	2·480	226	·540	46	·100	8	·087	202
Summer	3·249	227	·207	58	·251	27	·055	50

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

Level of Underground Water.—In Table 525 there is given for each day the mean height above sea level of the surface of the underground water. The level actually measured is the surface of water in a pipe which passes through the floor of the basement into the ground. The water level depends mainly on the state of the river Thames. The Observatory is close to Richmond lock, which is half-tidal, and the underground water is in summer a little below the level of low water above the lock (220 cm. above M.S.L.). The effects of the spring and neap tides are conspicuous in the fluctuations of level in summer.

Cloud Amount.—The mean cloud amounts for the six hours of observations are given month by month in the diary of cloud and weather. The following means are derived from these data :—

Mean Amount of Cloud from Six Observation Hours.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Cloud ...	6·6	8·0	7·1	6·4	5·7	7·4	8·0	6·7	7·4	7·0	7·7	7·7	7·1

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour ...	7h	9h	13h	15h	18h	21h
Cloud ...	7·1	7·3	7·6	7·8	7·0	6·1

Visibility.—The objects used for the classification of visibility are enumerated below. The Observatory is on very low ground. The view is bounded on the south-east by Richmond Hill and on the west by the trees near the river. For object H a church tower seen through 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.

VISIBILITY AND FOG.

LIST OF OBJECTS.

Identification Letter.	Actual Object.	View Point.	Bearing.	Actual Distance.	Standard Distance.
X	Verification House (Not Visible).	S.W. Corner of Observatory Bldg.	S.W.	<25 metres	25 metres
A	Verification House ...	,, ,,	S.W.	25 ,,	25 ,,
B	17ft. Stevenson Screen	S.E. Corner of Observatory Bldg.	S.W.'S.	50 ,,	50 ,,
C	New Magnetic Hut ...	SW. Corner of Observatory Bldg.	S.'W.	110 ,,	100 ,,
D	S.W. Tree	,, ,,	S.W.	200 ,,	200 ,,
E	Golf Club House ...	Observatory ...	S.E.'E.	500 ,,	500 ,,
F	Orange Tree Hotel ...	,, ...	S.E.'E.	970 ,,	1,000 ,,
G	St. Matthias Church ...	,, ...	S.E.	1,900 ,,	2,000 ,,
H	South Ealing Church	,, ...	N.'W.	4,000 ,,	4,000 ,,
	(Mortlake Chimney well visible.		E.	3,500 ,,	7,000 ,,
i	Chelsea Chimneys not visible.	,, ...	E.	9,300 ,,	
J	Chelsea Chimneys ...	,, ...	E.	9,300 ,,	10,000 ,,
K	Surrey Hills	,, ...	S.'E.	20,000 ,,	20,000 ,,
l	Surrey Hills well visible	,, ...	S.'E.	> 20,000 ,,	30,000 ,,
m	Surrey Hills, exceptionally visible.	,, ...	S.'E.	> 20,000 ,,	50,000 ,,

ATMOSPHERIC ELECTRICITY.

The systematic observations in atmospheric electricity are devoted to potential gradient, air-earth current and ionization. In the case of potential gradient there is continuous autographic registration ; the other elements are observed each afternoon when conditions are favourable.

Potential Gradient.—The Kelvin water-dropper electrograph has been housed since 1915 in a low building known as the Clinical House. The pipe carrying the jet projects through a hole in a window and is adjusted so that the point where the jet breaks into spray is 1·50 m.* from the window and 1·73 m. above the pool into which the water falls.† The electrogram is a record of the difference of potential between the ground and the point where the jet breaks. The aim is, however, to obtain the potential gradient in the open. For this purpose observations are made at a site in the Observatory garden. The apparatus for these " absolute " observations consists essentially of a long insulated rod carrying at the end a lighted fuse, which is connected to an electrostatic voltmeter. Readings are taken with the fuse at one metre and at two metres above the ground, the grass on which is kept short. The observations are taken about noon on all convenient dry days. From the observations the ratio of the potential gradient in the garden to the potential recorded by the electrograph is computed. Such a ratio is given for each month in Table 535.

During the year‡ two electrostatic voltmeters, No. 1684 and No. 1685, were used for the absolute observations. The voltmeters and also the electrograph are calibrated at frequent intervals by means of a Cambridge and Paul potentiometer, a high tension dry battery being used as a source of potential difference.

The data appearing in Table 538 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 exceeding 3 hours. 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 mean character figure for 1927 was 0·66, slightly bigger than that for 1926, and therefore appreciably above the average for the previous 15 years, 0·609.

Table 539 gives daily data derived from measurements of the electrograms. They represent means for 60-minute intervals centred at the exact hours 3h, 9h, 15h, and 21h G.M.T. Blanks indicate that the trace was in some way defective. On some occasions the curve, though existent, is so oscillatory that no satisfactory estimate is possible of the mean value of the ordinate. Such occasions are indicated by the letter *z*. If there is no doubt as to the sign of the hourly mean value, though a numerical measure is unobtainable, the sign is indicated by a + or a − attached to the *z*. The symbol $z \pm$ indicates that there were oscillations on both sides of the zero line, and that the sign of the mean value was uncertain.

---

* This measurement was made in July, 1926. It is believed that there has been no appreciable change since 1915.

† This height is regulated and has been kept the same.

‡ As from January 1st, 1923, the electrostatic voltmeters took the place of the Kelvin portable electrometer, No. 81, previously used for this purpose.

The extreme hourly mean values in Table 539 are + 985 v/m at 9h on November 26th and − 1205 v/m at 3h on February 24th. The former value is representative of foggy conditions; on this particular occasion the fog developed about 21h on the 25th after a fine calm day. The fog persisted with high potential gradient until 16h on the 26th when it was dispersed by a light S.E. wind. The extreme negative potential of February 24th was associated with continuous rain following a line squall. The potential gradient was persistently negative from 1h to 9h on the 24th except for one short period of ten minutes.

Of the two sets of mean monthly values at 3h, 9h, 15h and 21h given in Table 539 at the foot of each month's data, the first set (*a*) represents the arithmetic means of all the positive potentials in the column, the second set (*b*) represents the algebraic mean derived from all days on which all four hours were represented. The last line gives the mean value for each month as derived from the (*a*) and the (*b*) values respectively.

For reasons explained in the 1922 Year Book, it is believed that the values (*a*) may be expected to give approximately the true monthly mean from all days when negative potentials are excluded, while the values (*b*) may be expected to give approximately the true monthly mean when negative potentials are included. But a reservation is necessary in both cases, for the highly oscillatory occasions such as are met with during thunderstorms have been omitted, and this omission may have a sensible effect.

If the monthly means in Tables 539 and 540 be compared, it will be found that the quiet day mean is the higher in nine months out of the twelve. In some of the nine months its excess over the mean (*a*)—which generally exceeds the mean (*b*)—is considerable. For the year, as a whole, allowing equal weight to the 12 months, the quiet day mean, the mean (*a*), and the mean (*b*) are respectively 315 v/m, 303 v/m and 278 v/m. In each case the values are much larger than those for 1926, which were 279 v/m, 274 v/m and 260 v/m.

As to comparison with earlier years it is to be noted that the present method of making the "absolute" observations was initiated at the beginning of 1910. Since then there has been no considerable change in the exposure at the control station.* The annual mean potential gradient for selected quiet days is available from that date onwards.†

1910	310 v/m	1916	367 v/m	1922	318 v/m
11	301 v/m	17	354 v/m	23	318 v/m
12	300 v/m	18	346 v/m	24	329 v/m
13	335 v/m	19	331 v/m	25	326 v/m
14	345 v/m	20	315 v/m	26	279 v/m
15	354 v/m	21	281 v/m	27	315 v/m

The average for the 18 years is 323 volts per metre.

The mean for 1926 is a minimum. Along with the low value for 1921 it was probably to be attributed in part to the exceptional atmospheric conditions prevailing during the coal strikes of those years. Apart from these abnormalities a smooth change of potential gradient is to be noticed. In fact, the figures have been quoted‡ by Dr. Bauer as evidence for a connection between atmospheric electricity and solar activity.

---

* *cf.* Year Book, 1926, p. 327.

† Estimates for the years 1898–1909 are given by Chree, *Phil. Trans.* A (1915) p. 141. The change of site of the electrograph in 1915 is discussed in *Hourly Values*, 1916.

‡ Washington, Carnegie Institution. Researches of the Dept. of Terr. Mag., Vol. V., pp. 361–384.

The diurnal inequalities and the mean monthly and annual values in Table 540 are based on the curves of quiet days selected from those entirely free from negative potential. Other objects aimed at in the selection of the days are freedom from large irregular movements, absence of indications of inferior insulation in the electrograph, and the avoidance, so far as possible, of large non-cyclic changes. The quiet days numbered 10 in each month ; but to complete that number in April and August it was necessary to include one 24-hour period which did not commence at midnight.

Except in these cases the non-cyclic change is given explicitly in Table 540, so that anyone who may desire to reproduce the figures as they were before the non-cyclic correction was applied can easily do so.

All the inequalities show 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 inequality for the whole year shows the higher maximum at 19h, the lower minimum at 3h. This is not the case in every year. The hours of the extremes and the range of the inequality is given for each year from 1910 in the following list.

Year.	Max. hr.	Min. hr.	Range v/m	Year.	Max. hr.	Min. hr.	Range v/m	Year.	Max. hr.	Min. hr.	Range v/m
1910	20	4	138	1916	20	4	151	1922	20	4	144
1911	9	4	154	1917	20	4	154	1923	9	4	160
1912	9	4	149	1918	20	2	139	1924	20	4	133
1913	19	3, 4	160	1919	8	4	124	1925	19	3	129
1914	20	3	169	1920	9	3	122	1926	20	4	118
1915	19	5	173	1921	20	3, 4	132	1927	19	3	129

It will be seen that the range has been considerably lower in most recent years than it was in the years 1911 to 1917.

If the inequalities for the year and the seasons are compared with the corresponding inequalities for atmospheric pollution given in Table 542, the remarkably close similarity in the hours of occurrence of the principal maxima and minima noted in previous years is not borne out. There is, however, the same marked double oscillation throughout the day in both elements, a principal maximum or minimum of one falling at the same time as the secondary maximum or minimum of the other.

Air-earth Current.—To determine the current flowing from air to earth, the conductivity of the atmosphere at one metre above the ground is measured by means of the Wilson universal electrometer.* For calculating the conductivity at 15h, four observations, each giving the leakage from a charged plate in 5 minutes, are averaged. The product of the conductivity so determined and the potential gradient at 15h (as given in Table 539) is taken as the measure of the air-earth current. The conductivity is not observed during rain nor when the potential gradient is negative. Data are available for about one-third of the days of the year 1927.

The conditions under which the air-earth current is measured are maintained as uniform as possible, but they differ from the conditions under which the vertical current passes from the air to the earth in the absence of the apparatus. The presumption is that the results obtained would require to be multiplied by a factor to represent the true air-earth current.† The monthly mean of the observed values of the current varied from 0·41 in January to 1·05 in July in terms of the unit 1×10^{-16} ampere per square centimetre. Allowing equal weight to each month we find that the mean for the year in terms of the above unit is 0·68. The mean derived directly from the 107 observations is 0·67. There is very little difference from the corresponding values for other years.

* *Proceedings of the Cambridge Philosophical Society*, Vol. 13, p. 184 (1906).

† When the current passing into a metal plate at ground level is taken as the standard the factor is found to be about 1·2. A discussion of this question is being published in a memoir by Dr. R. E. Watson. "Measurements of the electrical Conductivity of the Air, and the Earth's Electric Field, at and near Ground Level."—*Geophysical Memoirs, No.* 45. 1928.

There is some doubt as to the comparability of observations made with the Wilson apparatus and other estimates of the air-earth current. Determinations based on separate measurements of the conductivity for positive and negative electricity have yielded on the continent averages about 2×10^{-16} amperes per square centimetre.

Ionic Charges.—Table 538 also gives the volume-charges carried by such positive and negative ions (including all of the more mobile type) as are caught by the Ebert apparatus.* The instruments are exposed in the open on a stone pedestal 1 metre high, and the observations extend over some 20 minutes near 15h, being simultaneous with the experiments with the Wilson electrometer.

Normally, two Ebert instruments are in use, one charged positively, the other negatively, the signs alternating from day to day. The initial voltage is about 180.

From the beginning of the year to the end of April only one instrument, No. 3327, was in use, and observations of positive and negative ionization were made on alternate occasions. No. 2965 was received back from the makers after having new fibres fitted on April 28th and thereafter two instruments were used to the end of the year. On November 15th the fibres of No. 2965 got twisted by a sudden discharge, thereby reducing the sensitiveness to about half its former value. The fibres were released on December 23rd when the instrument regained its earlier sensitiveness.

In interpreting the observations it is to be borne in mind that even in pure mountain air the greater part of the electric charge is carried by the sluggish "Langevin" ions. In less pure air a still higher proportion of the ions is immobilised and there is a decrease in the number of the small ions, i.e., of ions such as are caught by the Ebert apparatus and are effective in producing the conductivity of the atmosphere.

As is usual at Kew the highest values of the measured ionization occurred during the summer half of the year. Positive ionization exceeding 1×10^{-16} coulomb per c.c. occurred on days in May, June, July and August. The negative ionization exceeded the same limit in May, July and August. In foggy weather the number of small ions is very small and uncertain. The lowest ionizations tabulated were $+0{\cdot}14 \times 10^{-16}$ coulomb per c.c. on November 16th, and $-0{\cdot}12 \times 10^{-16}$ coulomb per c.c. March 15th, April 19th and November 16th. The averages for the year were $+ {\cdot}64$ and $-{\cdot}50 \times 10^{-16}$ coulomb per c.c. According to Millikan's experiments† the ionic charge is $15{\cdot}9 \times 10^{-20}$ coulomb, so that these averages correspond respectively with 400 positive and 320 negative ions per c.c. These averages are much lower than those obtained by observers in other countries. According to Bauer and Swann‡ the means for the principal observations reported at land stations before 1917 were 737 positive and 668 negative ions per c.c.

ATMOSPHERIC POLLUTION.

The Owens atmospheric pollution recorder or air filter No. 1§ is situated in the Clinical House, and the level of the intake is about 1½m. above that of the adjacent ground. The weight of the pollution is not obtained directly, but is deduced from shade numbers 0, 1, 2, etc., assigned to the deposit left on filter paper through which a measured volume of air has been drawn. Shade number 1 answers to 0·32 milligrams per cubic metre, according to Mr. J. G. Clark's determinations.‖

---

* *Physikalische Zeitschrift*, Vol. 8, No. 8, p. 246 (1907).

† Phil. Mag. (6) 34 (1917) 3.

‡ Washington, Carnegie Institution. *Researches Dept. of Terr. Mag.*, Vol. III (1917) p. 411.

§ A description of the instrument is given in the *Report of the Advisory Committee for Atmospheric Pollution.* 4th Report, 1917–1918 (p. 20).

‖ London, M.O. *Report of the Advisory Committee for Atmospheric Pollution.* 3rd Report, 1916–1917 (p. 20).

Table 541 gives mean hourly values derived from all the days of the month for which complete records were obtained. There were 358 such days in the year. The highest and lowest of these hourly values are in heavy type.

Table 542 gives diurnal inequalities derived from the data in Table 541 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 the potential gradient of atmospheric electricity.

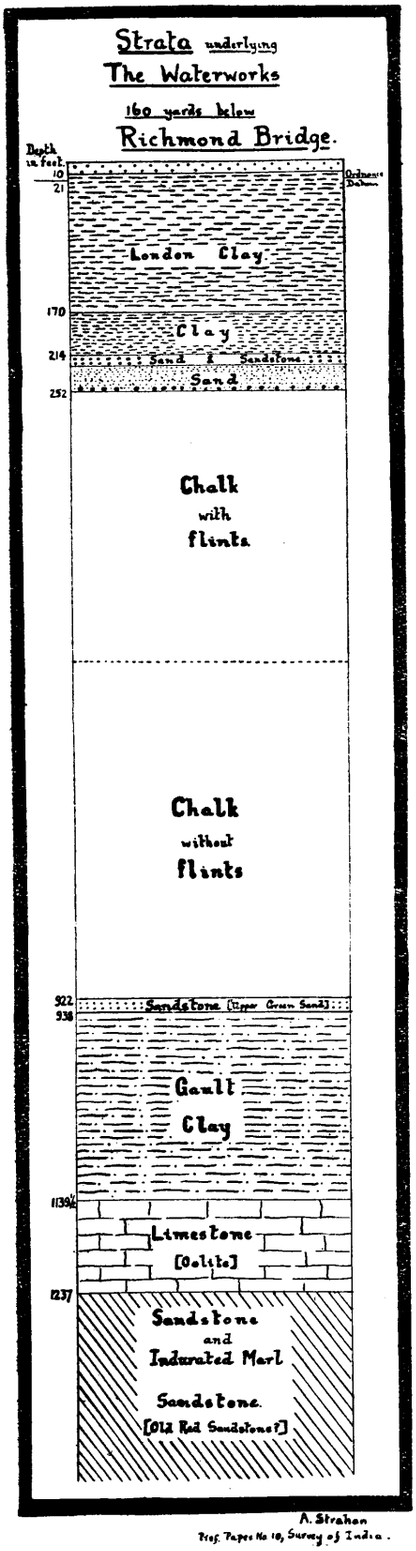
Allowing equal weight to each month the mean value computed for the year 1926 was ·14 milligrams per cubic metre, as compared with ·20 in 1926, ·26 in 1925, ·32 in 1924, ·31 in 1923, ·39 in 1922 and ·31 in 1921. In any discussion of these mean values it should be borne in mind that at Kew Observatory the great majority of estimates are shade 0 or shade 1. To discriminate between these two shades is difficult and the decision depends on the " personal equation " of the observer.

" Moreover the permanence of the local standard to which the shades are referred is not assured. The standard of reference is preserved by Dr. Owens and the scales used at the Observatory have been supplied by him. One of these was in use up to June 6th, 1925, another to June 30th, 1926, when a third, prepared by a photographic process, was taken into use. It is possible that the lower estimates of the amounts of pollution from 1925 onward should be attributed in part to a variation in the standard."

The nature of the diurnal variation is most easily recognised in Table 538. There is always a well defined minimum during the night and another in the early afternoon. The first maximum of the day usually occurs about 9h and the second one follows about 12 hours later. This double oscillation is apparently due to two causes, the variation in human activity in producing pollution and the variation in the wind which disperses it. In summer the principal maximum is in the forenoon, the principal minimum in the early afternoon. In general, in winter, on the other hand, the greatest pollution is recorded in the evening, the least in the early hours of the morning. Compared with previous years 1926 was exceptional (probably on account of the coal strike), and, in the year, all seasons and all months except November and December the principal maximum occurred in the forenoon. In 1927 there was a reversion to the earlier sequence, a likely explanation being that coal fires were being used again in the evenings.

SEISMOLOGY.

Notes on Instruments.—The instruments which were transferred from Eskdalemuir Observatory during the latter part of 1925 have been in regular operation since the beginning of 1926. They consist of three Galitzin pendulums, with galvanometric registration arranged to record earth displacements in the north, east and vertical directions. The installation is situated in the basement rooms of the Observatory building, the pendulums being placed on a massive concrete pillar, separated from the floor, in the old magnetograph room. The galvanometers and recording apparatus are accommodated on slate slabs in the old seismograph room, which housed the Milne instrument until it was put out of action on June 17th, 1925. In order to eliminate temperature variation as far as possible, the windows of the pendulum room are provided with triple glass and also shielded by louvred screens from direct sunshine which might fall on them morning and evening. The annual range of temperature variation is about 10° C. and the mean daily range about 0·2° C.



The concrete pillar rests on gravel. The underlying geological strata are shown in the diagram on this page. The diagram is based on the results obtained * in sinking a well near Richmond Bridge. The Richmond boring terminated at a depth of 440 metres in Old Red Sandstone. At Stonebridge Park, 8 km. to the north, a boring was carried down † to a depth of 600 metres, the last 280 metres being in Old Red Sandstone. There is no information as to deeper strata near Richmond. It may be noted, however, that the sandstone beds dip at about 30° and that a boring at Little Missenden, Bucks, entered Silurian rocks at a depth of 370 metres with no evidence of the presence of Old Red Sandstone.

For detailed description of the Galitzin seismograph and for particulars of interpretation of the records, reference may be made to Fürst B. Galitzin's "Vorlesungen über Seismometrie" (Leipzig, 1914), or to G. W. Walker's "Modern Seismology" (London, 1913).

Timing is controlled by a half-seconds clock (Morrison 8587) which is rated daily by comparison with the Greenwich wireless time-signal relayed from Daventry. Time breaks are made electro-magnetically every minute and seismometric readings can be determined to the nearest second.

The free periods of the galvanometers (T_1), were determined in November, 1925, and were found to have suffered very little change since the original determinations at Eskdalemuir were made. The lengths of the simple equivalent pendulums (l), are assumed to have remained unaltered. These constants are as follows :—

	N	E	Z
T_1	24·68 sec.	24·80 sec.	13·04 sec.
l	118 mm.	118 mm.	360 mm.

N, E, and Z indicate the north, east and vertical components respectively.

In August standardisation tests were carried out in order to determine the values of the other constants which are used for deriving the scale values. In the case of the horizontal instruments it was found that the values agreed to within 5 per cent. of those obtained in the previous tests in November, 1926. Some adjustments to the north component pendulum were deemed necessary and a second standardisation of this instrument was carried out in August. The vertical pendulum is particularly sensitive to temperature changes and frequent adjustments of the pendulum are necessary. The free period of the vertical pendulum was found to have altered by 20 per cent. from the value obtained in November, 1926. On this account no great accuracy can be claimed for the amplitude measurements from the vertical component record.

The table given below summarises the values of the constants obtained from the standardisation tests. The first set, which covers the earlier part of the year, was adopted from the tests made in November, 1926, and the second set covering the later part of the year was adopted from the tests made in August, 1927. T is the free period of the pendulum, μ is a damping co-efficient 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 $\overline{k}$ is the "transmission" factor. The quantity $\frac{k\,A}{\pi\,l}$ may be regarded as a relative measure of the nominal magnification. A more detailed explanation of the meaning of these constants is given in the works referred to above.

* London, E. J. Geological Soc., Vol. 40 (1884), Vol. 41 (1885), p. 523.

† Records of London Wells, Mem. Geol. Survey 1913.

1927.	Component.	T (sec.)	μ^2	$\frac{kA}{\pi l}$ (sec.$^{-1}$)
Jan. 1 to Aug. 3	N	23·5	+0·10	47·6
Jan. 1 to Aug. 4	E	23·3	−0·05	43·5
Jan. 1 to Aug. 17	Z	10·8	−0·22	114
Aug. 3 to Dec. 31	N	24·8	+0·01	46·5
Aug. 4 to Dec. 31	E	23·9	+0·12	41·2
Aug. 17 to Dec. 31	Z	12·7	−0·35	115

The expression used for the determination of the scale value was :—

$$\text{Magnification of record} = \frac{kAT_p}{\pi l} \cdot \frac{1}{(1+u^2)(1+u_1^2)\sqrt{1-\mu^2 f(u)}}$$

Where T_p is the period of the earthwave considered, $u = \frac{T_p}{T}$, $u_1 = \frac{T_p}{T_1}$ and $f(u) = \left[\frac{2u}{1+u^2}\right]^2$

In March and also in December, when abnormally high tides occurred in the River Thames, water rose in the pit in which the seismograph pillar stands. On both occasions the pillar was caused to tilt about 8 seconds of arc (0·04 milliradian). The effect of this on the constants of the pendulums was calculated and found to be negligible. As soon as the water subsided adjustments were made to bring the pendulums back to their original tilts.

In windy weather the seismographs, especially the horizontal components, are affected by slow oscillations, which are attributed to the tilting of the ground, the movement being conveyed through the foundations of the Observatory. On occasions the reading of an earthquake record is rendered very difficult, if not impossible, by these irregular disturbances.

Notes on Tables.—The *Seismological Diary*, Table 543, contains the particulars of the earthquakes recorded at the Observatory. The notation employed is as follows :—

P is the normal first phase (longitudinal waves). P^1 is a special case of P in which the waves penetrate the earth's central core.

PR_1, PR_2 . . . are longitudinal waves reflected once, twice . . . at the earth's surface.

S is the normal second phase (transverse waves). ScPcS is a special case of S in which the waves penetrate the central core and pass through it as longitudinal vibrations.

PS and PPS are waves which suffer a change or changes from longitudinal to transverse oscillation, or vice versâ, on reflexion at the surface.

SR_1, SR_2 . . . are transverse waves reflected once, twice . . . at the surface.

L indicates long waves (surface waves).

i is the sudden commencement of a phase. *e* means a gradual or indistinct commencement. These letters are used as prefixes to the phase symbols, but where the character of the phase is not assignable the letters are used as independent symbols. When the commencement of a phase is moderately clear the prefixes are not used.

The suffixes N, E, Z indicate that the estimates refer to the records from the north-south, east-west and vertical seismographs respectively. The absence of all these suffixes indicates that the estimates refer to all three records.

All times entered against the above phases are the times of arrival of the phases at the station.

m_1, m_2 . . . are successive prominent maxima of sinusoidal waves occurring in the preliminary phases. M_1, M_2 . . . are successive prominent maxima occurring during the principle or surface phase. Galitzin's formula for the lag of the displacement shewn by the galvanometer after the maximum displacement of the ground, viz. :—

$$\tau+\tau_1 = \frac{T_p}{2\pi}\left[\tan^{-1}\frac{2u\sqrt{1-\mu^2}}{u^2-1} + \tan^{-1}\frac{2u_1}{u_1^2-1} + \frac{\pi}{2}\right]$$

is used for computing the times of m and M each inverse tangent being taken as between 0 and π.

The period is the duration of a double oscillation (to and fro movement).

A_N, A_E, A_Z are the amplitudes, in microns (μ=0·001 mm.), of the components of the true displacement of the ground from the position of rest. Displacements to the north, east and upwards are regarded as being positive. When successive positive and negative displacements have the same magnitude the time of occurrence is given for the positive one. When no sign is given the measurement refers to a long group of waves the amplitudes of which are the same.

Δ is the distance in kilometres of the epicentre measured along the arc of the great circle passing through the station. This distance is derived from the interval between P and S, by the tables, due to Zeissig, given in Klotz's "Seismological Tables" (Publication of the Dominion Observatory, Ottawa, Vol. III, No. 2). The azimuth of the epicentre (0° to 360°) is measured from north through east. When an estimation of the azimuth is possible, it is used, together with Δ, to determine the co-ordinates of the epicentre. In other cases where co-ordinates are given, the information has been obtained from other sources, the origin of the determination is inserted in brackets.

Brackets enclosing figures or phase symbols indicate that the information is uncertain.

The total number of shocks recorded during the year was 314. The phases being sufficiently well defined, estimates of the epicentral distance were obtained for 78 shocks. There were nine earthquakes which produced a disturbance at the Observatory with an amplitude exceeding 0·1 mm. in a horizontal component. These earthquakes originated in Japan (March 7th and August 5th), in Kansu, China (May 22nd), in the Malay Archipelago (June 3rd), in Greece (July 1st), in the Crimea (September 11th), in Alaska (October 24th), in California (November 4th), and in Kamtchatka (December 28th). Two near earthquakes were recorded, one of which originated under the North Sea (January 24th), the other being felt in the Channel Islands and Northern France (February 17th).

Microseisms.—In Table 544 are given the amplitude (A) and period (T_p) of the microseisms shown by the north component seismograph on each day at 0h, 6h, 12h, and 18h. On a few occasions (about 3 per cent. of the total number) when the north component record was not available measurements of the east component record have been included. The group of waves of greatest amplitude occurring in the 30 minutes centering at the hour in question is selected, and the amplitude tabulated is the mean obtained from two or three waves in that group. The period is derived from a measurement made on the same group. In computing the mean period occasions of zero amplitude are omitted.

The mean values of amplitude and period for each month of 1927 and for the year, together with the means obtained at Eskdalemuir for the years 1911-1924 are given below :—

MICROSEISMS.—MONTHLY AND ANNUAL MEANS.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Kew Observatory—													
1927 Amplitude (μ)	2·8	1·6	1·7	1·1	0·5	0·6	0·5	0·8	0·9	1·1	1·9	2·5	1·3
1927 Period (secs.)	6·6	6·1	5·8	5·5	4·5	4·6	4·0	4·7	4·8	5·1	6·1	6·3	5·3
Eskdalemuir—													
1911 to 1924 Amplitude (μ)	2·6	2·3	1·8	1·2	0·7	0·5	0·3	0·5	0·9	1·3*	1·8*	2·3*	1·3
1911 to 1924 Period (secs.)	6·0	6·1	5·8	5·3	4·8	4·6	4·3	4·4	5·0	5·2*	5·6*	5·9*	5·2

* Mean for 13 years only.

Readings in millibars at exact hours, Greenwich Mean Time.

439. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.)= 10·4 metres. **January, 1927.**

Station Level — Day.	Hour G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	023·6	024·0	023·9	023·9	023·9	023·8	023·9	024·2	024·9	024·8	024·3	024·0	024·0	023·7	023·1	023·3	023·1	023·3	023·4	023·4	023·5	023·6	023·5	023·2	023·8
2	023·2	023·3	023·1	022·9	022·3	022·1	021·9	022·1	022·3	022·4	022·4	021·8	021·4	020·9	020·7	020·6	020·4	020·2	020·0	019·8	019·4	018·9	018·2	017·6	021·3
3	016·9	016·5	015·7	014·7	013·6	012·8	012·2	011·7	011·2	010·7	010·0	008·5	007·4	006·4	007·2	007·2	007·1	007·2	007·2	007·6	007·5	007·4	007·5	007·6	010·3
4	007·7	008·2	008·4	008·4	008·6	009·0	009·5	010·2	011·0	011·7	012·0	012·2	012·6	013·4	013·7	014·8	016·2	017·2	018·1	019·0	020·0	020·7	021·5	021·9	013·3
5	022·3	022·1	022·0	021·5	021·6	021·2	020·9	020·4	019·1	017·8	016·1	015·1	013·9	014·0	014·5	014·7	015·0	015·0	015·1	015·6	015·5	015·3	015·3	015·2	017·6
6	014·9	014·6	014·4	014·0	013·3	012·7	012·2	011·7	011·3	010·9	010·5	009·6	009·3	009·2	008·9	009·0	009·2	009·0	008·9	008·5	008·2	c07·8	007·3	006·7	010·7
7	006·1	005·6	005·3	c04·8	004·5	004·5	004·7	005·3	005·7	006·3	006·4	0c6·4	006·5	006·7	007·0	007·3	007·9	008·3	008·9	009·6	010·5	011·8	013·1	014·3	007·2
8	015·2	016·6	017·8	018·8	019·3	020·4	021·3	022·8	024·0	024·6	024·8	024·5	024·3	024·1	023·9	023·6	023·2	023·3	021·8	021·1	020·9	021·2	021·3	021·3	021·5
9	021·2	022·1	022·9	023·6	024·6	025·4	026·3	027·2	028·0	028·4	028·4	027·7	027·5	027·6	027·9	028·6	028·7	029·0	029·4	030·1	030·7	030·7	030·7	030·4	027·2
10	030·3	030·2	030·0	029·8	030·0	029·9	029·9	030·3	030·8	031·2	030·9	031·0	030·7	030·9	031·1	031·3	031·3	031·1	031·5	031·7	031·6	031·5	030·8	030·9	**030·8**
11	031·0	031·1	030·5	030·1	029·4	028·6	028·5	028·3	028·0	027·3	026·5	025·7	025·1	024·7	024·0	023·4	023·0	022·4	022·0	022·0	021·5	021·2	020·7	020·2	025·9
12	019·9	019·8	019·9	020·1	019·9	019·8	019·7	019·3	018·4	018·4	017·4	015·6	013·5	011·6	c09·4	007·4	005·9	004·4	002·4	000·4	998·5	996·8	996·8	996·0	011·8
13	994·9	994·6	994·3	994·0	993·4	993·3	993·5	993·6	993·5	993·5	993·0	992·3	991·7	991·3	991·1	990·8	990·5	989·8	988·9	988·1	987·1	986·0	985·5	985·5	991·5
14	985·6	985·6	985·7	985·6	985·5	985·5	985·6	985·6	985·9	986·1	985·8	985·5	985·2	985·3	985·6	985·6	985·6	985·9	986·0	986·1	986·1	986·2	986·2	986·1	**985·7**
15	986·1	986·2	986·6	986·7	986·8	987·0	987·3	987·9	988·8	989·3	989·6	989·7	989·6	989·7	990·2	990·8	991·3	991·9	992·2	992·8	993·7	994·1	994·4	994·9	989·7
16	995·1	995·7	996·2	996·3	996·3	996·6	996·9	997·2	997·6	997·7	997·8	997·3	996·8	996·7	996·7	996·8	996·9	996·9	997·1	997·3	997·5	997·4	997·3	997·2	996·8
17	997·0	996·7	996·7	996·7	996·2	996·1	996·0	995·8	995·8	995·7	995·4	994·5	994·1	993·9	994·0	994·1	994·3	994·5	994·6	994·7	994·9	995·2	995·6	996·2	995·4
18	996·6	997·3	998·1	998·9	999·3	000·2	001·1	002·1	003·3	004·3	c05·2	005·3	0c6·0	006·6	007·5	008·3	009·0	009·5	010·4	011·0	011·6	012·2	012·6	013·0	005·0
19	013·2	013·6	014·0	013·9	014·0	014·2	014·5	015·2	015·7	016·0	016·2	015·7	015·2	015·3	015·4	015·6	015·7	015·7	015·9	015·9	016·0	015·9	015·6	015·4	015·1
20	015·1	014·9	014·8	014·3	013·8	013·3	013·2	013·1	012·9	012·6	012·2	011·4	010·4	009·6	008·7	008·4	008·1	007·6	007·1	006·8	006·6	006·2	006·1	005·7	010·7
21	005·2	004·9	004·5	004·2	004·0	003·6	003·2	003·2	003·3	003·2	002·7	002·3	002·1	002·1	002·3	002·2	002·4	002·4	002·4	002·7	003·1	c03·2	003·2	003·4	003·2
22	003·3	003·3	003·5	003·8	003·7	003·5	003·6	003·4	003·2	003·2	002·8	001·3	0c0·6	999·9	000·1	000·6	000·8	001·1	001·2	001·4	001·7	002·1	002·4	002·6	002·2
23	002·8	002·9	003·2	003·6	003·6	003·8	0c4·2	c04·7	005·4	005·9	006·5	006·6	006·9	007·3	007·8	008·2	009·1	009·7	010·1	010·4	010·6	011·2	011·9	012·2	006·8
24	012·4	012·3	012·7	012·7	012·9	013·2	013·6	013·6	013·8	013·8	013·7	013·4	013·0	012·1	011·8	011·8	011·5	011·0	010·6	010·6	010·5	010·6	010·6	010·6	012·2
25	010·4	010·3	010·1	010·0	009·7	009·6	009·6	009·7	009·9	010·0	010·1	010·1	010·2	010·4	010·9	012·1	012·8	013·5	014·5	015·5	016·2	017·0	017·2	016·9	011·8
26	017·3	017·0	016·5	015·9	015·4	014·3	013·4	013·0	011·9	010·7	009·6	008·3	006·7	005·6	005·6	005·9	006·6	008·1	009·9	011·3	012·4	013·5	013·7	014·4	011·6
27	014·9	014·8	014·5	013·9	013·8	013·6	013·5	013·7	013·4	013·6	013·7	013·0	012·9	013·5	015·2	016·4	017·3	018·1	018·6	019·2	019·7	020·0	020·8	020·9	015·7
28	020·3	019·5	019·0	017·9	017·0	016·4	015·6	015·2	014·4	013·5	012·7	011·4	009·9	009·0	008·4	007·9	007·1	006·4	005·5	004·3	003·5	003·1	001·6	999·5	011·2
29	996·9	995·0	992·0	990·3	991·5	990·1	989·2	990·2	992·6	994·4	994·9	994·8	994·7	994·7	994·8	995·2	995·5	995·9	996·3	996·7	997·6	997·6	997·4	994·5	
30	997·5	997·6	997·3	997·1	997·1	996·8	996·4	996·1	995·8	995·6	995·0	994·0	992·9	992·3	992·3	991·4	991·2	991·3	991·4	991·7	992·2	992·6	993·1	993·2	994·3
31	993·3	993·5	993·5	993·2	993·0	993·0	993·4	993·6	994·1	994·7	995·2	994·9	994·7	995·0	995·5	995·8	996·3	996·6	996·9	997·2	997·4	997·5	997·7	997·8	995·1
Mean (Station level)	**1009** ·36	1009 ·35	1009 ·26	1009 ·08	1008 ·97	1008 ·85	1008 ·87	1009 ·05	1009 ·23	1009 ·30	1009 ·09	1008 ·51	1008 ·06	**1007** ·85	1007 ·91	1008 ·03	1008 ·16	1008 ·27	1008 ·33	1008 ·47	1008 ·59	1008 ·66	1008 ·70	1008 ·65	1008 ·71
Mean (Sea level)	**1010** ·65	1010 ·64	1010 ·55	1010 ·37	1010 ·26	1010 ·14	1010 ·16	1010 ·34	1010 ·52	1010 ·59	1010 ·37	1009 ·79	1009 ·33	**1009** ·13	1009 ·19	1009 ·31	1009 ·44	1009 ·55	1009 ·62	1009 ·75	1009 ·87	1009 ·95	1009 ·99	1009 ·94	1009 ·99

440. Richmond (Kew Observatory) : H_b=10·4 metres. **February, 1927.**

Station Level — Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	n	ub.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	997·7	998·0	998·1	998·8	999·4	000·2	001·3	002·3	002·9	003·7	004·4	004·3	004·5	004·6	005·0	005·3	005·4	004·9	005·1	004·9	004·3	003·7	003·0	001·9	002·6
2	002·0	002·3	002·8	004·0	005·5	007·0	008·8	010·1	011·7	013·4	014·8	015·8	017·1	018·4	019·2	020·1	020·8	021·8	022·7	022·9	023·8	024·3	024·6	025·3	014·5
3	025·7	026·0	026·0	026·0	026·0	026·1	026·6	026·6	026·8	026·8	027·0	026·8	026·8	026·7	026·8	026·5	026·6	026·7	027·0	027·3	027·5	027·4	027·3	027·1	026·6
4	026·9	026·8	026·5	026·4	026·1	026·3	026·7	027·1	027·6	028·1	028·3	028·5	028·6	028·9	029·1	029·5	029·8	030·5	031·1	031·2	031·4	031·6	031·6	031·7	028·7
5	031·6	031·5	031·5	031·1	031·3	031·4	031·3	031·1	031·1	030·8	029·8	029·3	028·2	027·3	026·9	025·9	025·0	024·2	023·5	023·0	022·4	022·3	022·7	022·9	027·9
6	023·2	023·2	023·4	023·8	023·9	024·6	025·6	026·5	027·4	027·8	028·2	028·6	028·9	029·2	029·9	030·1	030·5	031·1	031·7	032·3	032·8	033·1	033·3	033·3	028·2
7	033·6	033·6	033·5	033·7	033·4	033·3	033·4	033·3	032·9	032·6	032·0	031·0	030·3	029·5	029·0	028·3	028·1	028·1	028·5	028·9	029·7	030·2	030·3	030·6	031·2
8	031·2	031·5	031·2	031·5	031·5	031·3	031·3	031·7	031·6	031·6	031·5	031·2	031·2	030·9	030·8	030·9	031·1	031·2	031·1	031·1	031·4	031·5	031·6	031·3	031·3
9	031·1	030·9	030·6	030·7	030·7	030·6	030·7	030·9	030·9	030·8	030·8	030·8	030·6	030·3	030·2	030·1	030·3	030·7	031·1	031·6	031·9	032·2	032·6	032·9	031·0
10	033·2	033·3	033·2	033·4	033·4	033·3	033·4	033·6	033·8	033·8	033·8	033·2	032·9	032·4	031·7	031·4	031·7	031·5	031·5	031·6	031·8	031·8	031·8	031·5	032·7
11	031·3	031·3	030·6	030·6	030·6	030·6	030·6	031·0	031·0	031·0	030·7	030·5	030·2	029·8	029·5	029·3	029·4	029·4	029·6	029·5	029·5	029·5	029·4	029·5	030·2
12	029·2	028·9	028·5	028·3	028·1	028·1	027·8	027·6	027·7	027·6	027·4	026·8	026·3	025·6	025·2	025·4	025·6	025·6	025·7	025·9	026·0	026·3	026·5	026·5	027·0
13	026·5	026·6	026·7	026·8	027·1	027·2	027·9	028·7	029·0	029·1	029·4	029·6	029·3	029·3	029·3	029·4	029·4	029·6	029·6	029·9	030·9	031·5	031·7	031·6	028·9
14	031·7	031·8	031·5	031·7	032·0	032·2	032·4	033·2	034·1	034·3	034·5	034·6	034·4	034·1	033·7	033·9	033·9	034·4	034·2	034·2	034·4	034·3	034·5	034·4	**033·5**
15	034·3	034·3	033·9	033·8	033·8	033·8	033·8	033·8	034·3	034·3	034·3	033·9	033·8	033·7	033·4	033·2	032·8	032·6	032·7	032·7	032·5	032·3	032·4	032·3	033·4
16	032·0	031·8	031·1	030·5	030·3	029·8	029·8	030·0	030·0	029·9	029·5	029·2	029·2	029·6	028·3	028·0	027·9	028·0	028·1	028·0	027·9	027·9	027·9	027·9	029·4
17	027·7	027·5	027·1	026·9	026·7	026·7	026·6	026·7	026·7	026·7	026·6	026·5	026·2	025·3	024·5	024·5	024·4	024·3	024·2	024·0	023·7	023·6	023·6	023·5	025·7
18	023·5	023·2	022·7	022·7	022·5	022·4	022·3	022·4	022·6	022·7	022·8	022·6	022·3	022·1	022·0	022·1	022·2	022·5	022·6	022·8	022·9	023·3	023·5	024·0	022·7
19	024·2	024·2	024·5	024·4	024·6	024·9	025·0	025·5	026·0	026·1	026·1	025·8	025·5	024·9	024·8	024·8	024·5	024·5	024·4	024·3	024·2	023·5	023·0	022·8	024·7
20	021·3	020·6	019·2	018·0	017·2	015·8	015·3	014·1	013·5	012·9	012·2	011·4	010·8	009·7	009·0	008·4	007·7	007·3	006·6	006·0	005·3	004·7	004·3	004·4	011·9
21	004·4	004·3	003·7	003·5	003·6	003·3	003·2	003·3	003·3	003·2	002·8	002·7	002·2	001·5	001·1	000·8	000·5	000·2	999·6	998·9	998·3	997·9	997·5	997·1	001·7
22	996·3	995·5	994·7	994·1	993·8	993·7	993·3	993·0	992·6	992·5	992·4	992·1	991·4	990·7	989·9	989·3	989·0	988·7	988·1	987·3	987·1	987·4	987·6	987·7	991·4
23	987·9	987·6	987·4	987·5	987·4	987·3	987·6	988·1	988·6	989·3	990·5	990·9	991·0	991·0	991·3	991·7	992·1	993·2	993·1	993·2	993·2	992·9	992·5	**990·3**	
24	991·6	990·6	989·6	989·3	988·6	987·9	987·4	987·1	986·7	986·7	986·7	986·9	987·1	987·5	989·1	990·9	992·2	993·6	994·5	995·4	996·2	996·6	996·8	996·8	990·6
25	997·0	996·9	996·4	996·2	996·2	996·0	995·7	995·2	994·8	994·1	993·4	993·0	991·4	990·0	990·4	990·9	991·8	992·7	993·1	994·2	994·9	995·6	996·3	997·3	994·3
26	998·0	998·4	998·9	999·4	999·8	000·3	000·7	001·0	001·1	001·1	000·6	000·6	999·6	998·6	997·0	995·7	994·7	992·5	991·9	991·6	991·5	991·4	991·4	991·0	997·1
27	991·1	990·9	990·4	990·2	990·0	989·4	989·6	989·6	989·9	990·5	991·6	992·4	993·1	994·0	994·7	995·5	996·9	998·0	999·3	000·1	001·2	001·3	001·5	001·4	994·1
28	001·1	000·2	999·1	998·4	997·8	996·9	996·3	995·5	994·9	994·9	994·4	993·6	992·8	991·7	990·5	989·9	990·0	989·9	990·3	990·4	991·1	991·4	991·8	992·5	994·2
Mean (Station level)	1017 ·33	1017 ·20	1016 ·89	1016 ·85	1016 ·83	1016 ·80	1016 ·94	1017 ·13	1017 ·27	**1017** ·37	1017 ·36	1017 ·23	1016 ·99	1016 ·68	1016 ·50	**1016** ·48	1016 ·57	1016 ·71	1016 ·82	1016 ·89	1017 ·06	1017 ·14	1017 ·19	1017 ·20	1016 ·99
Mean (Sea level)	1018 ·63	1018 ·51	1018 ·19	1018 ·15	1018 ·13	1018 ·10	1018 ·25	1018 ·43	1018 ·57	**1018** ·67	1018 ·66	1018 ·52	1018 ·28	1017 ·97	1017 ·79	**1017** ·77	1017 ·87	1018 ·00	1018 ·11	1018 ·19	1018 ·35	1018 ·44	1018 ·49	1018 ·50	1018 ·28

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

441. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **March, 1927.**

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	m.	mb.	mb.	mb.	mb.
1	993·3	993·6	993·8	994·2	994·8	995·1	995·2	995·5	996·0	996·3	996·4	996·4	996·1	995·8	995·7	995·9	996·5	997·1	997·9	998·7	999·3	000·0	000·5	001·1	996·3
2	001·6	002·2	002·6	002·8	003·8	004·6	005·3	006·1	006·6	007·1	007·5	007·6	006·9	006·3	005·4	004·0	003·1	001·7	001·6	000·8	001·1	001·7	002·2	002·6	003·9
3	003·3	003·9	004·4	004·6	005·5	006·3	007·4	008·2	009·0	010·2	011·1	011·4	011·3	011·5	011·4	011·4	011·5	011·5	011·5	011·4	011·0	010·3	009·2	008·4	008·9
4	007·3	006·4	005·3	004·4	003·4	002·5	001·7	001·2	000·1	999·6	999·0	998·3	997·6	997·8	997·8	997·8	997·8	997·7	997·5	997·4	997·2	997·3	996·9	996·6	000·2
5	996·3	995·5	994·7	994·1	993·7	993·1	992·4	992·1	991·5	991·0	990·2	989·5	988·7	988·1	987·6	987·2	987·2	987·1	987·2	987·1	987·4	987·8	988·2	988·8	990·4
6	989·4	989·0	990·2	990·6	991·6	992·4	993·2	994·1	994·7	995·0	995·4	995·9	996·0	996·1	996·3	996·4	996·4	996·7	997·0	996·7	996·6	996·4	995·8	994·9	994·4
7	994·1	992·8	991·6	990·4	989·7	989·0	988·5	988·4	988·6	998·5	988·8	989·1	989·0	989·0	988·8	989·1	989·7	990·6	991·2	991·7	992·3	992·7	992·9	992·7	990·4
8	992·8	992·6	992·1	992·0	991·9	991·9	992·0	992·2	992·1	992·2	992·2	992·4	992·4	992·4	992·8	993·1	993·6	994·7	995·7	996·3	997·1	997·8	998·4	998·8	993·6
9	999·4	999·7	999·7	999·8	000·1	000·2	000·1	000·1	000·5	000·6	000·1	999·6	999·2	998·6	998·4	998·4	998·4	998·6	998·9	999·2	999·6	999·8	000·1	000·4	999·5
10	000·7	001·0	000·9	001·1	001·6	002·0	002·3	002·7	002·9	003·1	003·0	003·0	002·9	002·8	002·9	003·0	003·5	004·0	004·7	005·1	005·5	006·1	006·2	006·5	003·1
11	006·9	007·2	007·3	007·8	008·4	008·7	009·5	010·4	011·2	011·6	011·9	012·0	012·0	012·1	012·5	012·7	013·5	014·3	014·9	015·7	016·3	016·9	017·3	017·9	011·8
12	018·1	018·1	018·2	018·3	018·5	018·8	019·3	019·8	020·2	020·4	020·3	020·4	020·1	019·8	019·6	019·5	019·4	019·6	019·8	020·1	020·3	020·2	020·0	019·7	019·5
13	019·2	018·8	018·2	018·0	017·7	017·8	017·9	018·0	017·6	017·4	017·1	016·7	016·0	015·5	015·0	015·0	015·2	015·5	015·8	016·0	016·3	016·4	016·4	016·4	016·9
14	016·6	016·5	016·7	016·8	017·0	017·4	017·8	018·4	018·9	019·5	020·2	020·4	020·6	020·7	020·8	021·2	021·5	022·2	022·6	023·4	023·8	024·1	024·2	024·6	020·1
15	025·1	025·2	025·2	025·3	025·4	025·6	026·1	026·5	026·8	027·0	027·2	026·9	026·9	026·8	026·7	026·4	026·9	027·4	027·7	028·2	028·5	028·4	028·6	028·7	026·7
16	028·5	028·2	027·7	027·8	027·9	027·9	028·1	028·1	027·9	027·7	026·8	026·0	024·9	024·0	022·8	022·0	021·7	021·5	021·0	020·5	020·1	020·1	019·8	019·6	024·8
17	018·8	018·3	017·7	017·5	017·5	017·6	018·0	018·1	018·4	018·5	018·4	018·1	018·1	018·2	018·3	018·3	018·9	019·6	020·1	020·6	021·0	021·3	021·9	022·0	018·9
18	022·2	022·1	021·8	021·9	021·8	021·9	022·1	022·4	022·7	023·3	024·0	024·1	024·0	024·4	024·6	024·5	024·7	025·5	026·2	026·5	026·9	027·2	027·6	027·9	024·1
19	028·1	028·5	028·1	027·9	027·8	028·0	028·5	028·8	029·2	029·4	029·3	029·1	028·6	028·2	027·8	027·7	027·9	028·2	028·4	028·8	028·9	029·1	029·1	029·1	**028·5**
20	029·1	028·9	028·6	028·4	028·5	028·4	028·5	028·6	028·6	028·4	027·8	027·3	026·8	026·2	025·7	025·3	025·1	025·0	024·9	024·9	024·8	024·4	024·1	023·6	026·9
21	023·1	022·1	021·4	020·9	020·4	019·8	019·7	019·3	019·0	018·6	017·6	016·6	016·1	015·0	014·5	014·0	013·3	013·2	013·0	012·8	012·6	012·4	012·3	011·6	016·9
22	011·4	011·3	011·0	010·5	010·6	010·8	010·7	010·8	011·1	010·9	010·8	011·1	010·8	010·7	010·4	010·0	009·5	009·4	008·9	008·6	007·9	007·2	005·9	004·5	009·9
23	002·6	000·9	999·9	999·3	998·9	998·1	997·3	996·6	996·0	994·9	992·9	991·3	990·0	989·3	989·1	988·5	988·3	988·2	988·4	988·6	988·9	989·4	990·4	991·4	993·6
24	991·7	991·1	990·2	990·0	989·9	989·6	989·1	988·9	988·2	988·0	987·8	988·0	988·0	987·9	988·0	988·1	988·5	988·9	989·8	990·0	990·1	990·1	989·9	989·5	989·3
25	989·1	988·4	987·6	986·1	984·8	983·3	981·5	979·2	977·5	976·2	976·3	975·9	976·1	976·4	976·8	977·4	977·3	977·9	978·0	977·1	975·9	975·0	975·9	976·6	**979·7**
26	978·1	978·9	979·4	980·2	981·6	982·7	983·8	984·9	985·6	986·3	986·7	986·9	986·6	987·5	988·0	988·1	988·7	989·4	990·2	990·9	991·5	992·2	992·5	992·6	986·1
27	992·8	992·7	992·6	993·0	993·6	994·1	994·8	995·3	995·9	996·2	996·4	996·4	996·6	997·0	997·1	997·4	997·7	998·4	999·1	000·1	001·1	001·6	002·2	002·8	996·7
28	003·2	003·6	003·9	004·6	005·1	006·0	006·7	007·1	007·6	008·1	007·8	007·6	007·3	007·3	007·1	006·8	006·8	007·1	007·4	007·4	007·3	006·9	006·6	006·4	006·4
29	006·1	005·9	005·1	004·4	003·9	003·5	003·3	002·9	002·6	002·3	001·8	001·5	001·1	000·9	000·9	001·1	001·4	002·3	003·1	003·8	004·3	004·4	004·7	004·8	003·2
30	004·6	004·2	004·6	002·9	001·9	001·1	000·5	000·2	000·0	000·8	001·1	001·4	002·0	003·0	003·2	004·3	005·3	006·6	007·8	009·1	010·4	011·3	012·0	012·6	004·5
31	013·2	013·3	013·7	014·1	014·5	014·8	014·8	014·6	014·4	013·9	013·1	012·1	011·2	009·6	007·9	006·2	003·7	001·0	998·6	996·4	994·3	993·2	991·8	991·4	007·6
Mean (Station level)	**1006** ·67	1006 ·51	1006 ·27	1006 ·12	1006 ·19	1006 ·23	1006 ·33	1006 ·43	1006 ·50	1006 ·55	1006 ·42	1006 ·23	1005 ·93	1005 ·77	1005 ·61	**1005** ·51	1005 ·58	1005 ·83	1006 ·09	1006 ·25	1006 ·40	1006 ·51	1006 ·57	1006 ·60	1006 ·21
Mean (Sea level)	**1007** ·95	1007 ·79	1007 ·54	1007 ·40	1007 ·47	1007 ·51	1007 ·61	1007 ·71	1007 ·77	1007 ·81	1007 ·68	1007 ·49	1007 ·19	1007 ·03	1006 ·87	**1006** ·77	1006 ·84	1007 ·10	1007 ·36	1007 ·53	1007 ·67	1007 ·78	1007 ·84	1007 ·87	1007 ·48

442. Richmond (Kew Observatory) : H_b = 10·4 metres. **April, 1927.**

Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	991·6	992·4	993·6	995·0	997·0	999·5	002·1	004·7	007·1	008·6	009·9	011·0	012·1	013·0	013·9	014·9	015·7	016·5	017·1	017·9	018·5	018·8	019·0	019·0	008·1
2	019·3	019·2	019·1	019·0	019·2	019·4	019·3	019·1	019·1	018·5	017·5	016·7	016·0	014·9	014·2	014·1	013·4	012·5	012·0	011·1	010·7	009·8	009·1	008·9	015·7
3	008·2	007·8	008·1	008·5	008·9	009·8	010·2	010·6	011·5	012·0	012·2	012·7	013·1	013·3	013·7	014·1	014·3	014·9	015·1	015·3	015·5	015·7	015·6	015·9	012·2
4	015·7	015·4	015·0	014·5	014·4	014·5	014·1	014·1	013·4	013·1	012·2	012·1	011·6	011·0	010·1	009·2	008·4	008·0	007·4	006·8	005·6	005·3	005·1	005·2	011·1
5	005·0	005·0	005·3	005·7	005·9	006·2	006·4	006·7	006·8	006·6	006·8	006·3	005·6	006·0	005·9	005·4	005·0	005·1	005·0	004·6	003·9	003·4	002·1	000·6	005·3
6	999·6	998·5	997·4	997·0	997·0	997·4	998·7	000·1	001·7	003·0	004·0	005·0	005·7	005·9	006·1	006·3	006·8	007·1	007·5	007·7	007·5	007·4	007·0	006·4	003·2
7	005·8	004·6	003·7	002·5	001·4	000·2	998·9	997·9	996·8	996·1	995·0	994·1	993·7	993·7	993·9	994·3	994·9	995·6	996·2	997·2	997·5	998·0	998·3	998·7	998·0
8	998·8	998·9	999·1	999·2	999·3	999·7	000·1	000·3	000·5	000·7	000·2	000·1	999·6	999·3	999·0	999·0	998·8	998·8	998·6	998·5	998·3	998·1	998·2	997·8	999·2
9	997·3	996·9	996·5	996·3	996·1	996·2	996·1	996·1	996·3	996·3	996·2	996·2	996·3	996·3	996·1	996·2	996·3	996·6	996·8	997·5	997·9	998·3	998·6	998·8	**996·7**
10	998·9	999·0	999·5	999·9	000·2	000·7	001·4	001·8	002·3	002·8	003·3	003·7	004·2	004·3	004·6	005·2	005·7	006·3	007·4	008·5	009·4	009·9	010·5	010·9	003·9
11	011·4	011·7	012·3	012·6	013·1	013·9	014·6	015·3	015·8	016·1	016·3	016·4	016·4	016·3	016·4	016·4	016·4	016·5	016·7	017·4	018·1	018·7	019·9	021·2	015·6
12	022·0	022·6	022·9	023·5	024·0	024·9	025·5	026·1	026·7	027·1	027·4	027·2	026·9	026·9	027·1	026·7	026·8	027·1	027·4	027·5	027·7	027·5	027·2	**026·0**	
13	027·0	026·9	026·3	026·2	026·2	026·4	026·6	026·7	026·7	026·5	025·7	024·8	024·6	023·9	022·2	021·5	021·1	020·7	020·4	020·5	020·2	019·2	018·4	017·6	023·8
14	016·3	015·2	014·2	013·6	012·5	011·8	011·7	011·2	011·1	010·4	010·1	009·5	009·1	008·6	007·9	007·2	006·5	006·1	005·7	005·3	005·5	005·1	005·1	004·9	009·6
15	004·9	005·1	005·4	005·9	006·6	007·4	007·8	008·3	008·9	009·9	010·9	011·8	012·6	013·3	013·9	014·6	014·9	015·3	016·1	017·3	018·1	018·4	018·9	019·4	011·6
16	019·3	019·7	019·9	020·1	020·8	021·9	022·5	023·0	023·2	023·5	023·7	023·6	023·4	023·0	022·9	022·8	022·9	023·0	023·4	023·9	024·6	024·6	024·9	024·7	022·6
17	024·7	024·6	024·5	024·7	024·9	025·1	025·4	025·4	025·3	025·3	025·3	024·8	024·6	024·5	024·3	024·1	024·2	024·1	024·3	024·4	024·7	025·1	025·3	025·9	024·8
18	026·0	025·9	025·6	025·7	025·9	026·1	026·4	026·6	026·8	027·0	026·5	026·1	026·0	025·7	025·3	025·1	024·9	024·8	024·8	025·0	025·4	025·6	025·7	025·5	025·8
19	025·3	025·1	024·8	024·7	024·8	025·0	025·3	025·4	025·6	025·5	025·5	025·1	024·9	024·3	023·7	023·2	023·2	023·2	023·5	023·9	024·3	024·6	024·8	025·1	024·6
20	024·9	024·8	024·7	024·5	024·3	024·7	025·1	025·2	025·2	025·1	024·4	024·1	023·8	023·2	022·9	022·6	022·2	022·1	022·3	022·5	022·7	022·5	022·3	021·9	023·7
21	021·7	021·5	021·1	020·9	020·7	020·9	021·1	021·1	021·0	020·7	020·7	020·8	020·7	020·2	019·6	019·2	019·1	018·6	018·8	019·1	019·1	019·1	019·0	019·0	020·2
22	018·9	018·5	017·9	017·5	017·1	017·3	017·4	017·4	017·4	017·3	016·7	016·0	015·3	014·7	013·8	013·1	012·5	011·7	011·2	010·8	010·4	009·8	008·8	008·0	014·8
23	007·3	006·4	006·3	006·6	007·3	007·7	008·2	008·7	009·3	010·5	010·6	010·7	011·2	011·5	011·6	012·0	011·9	012·0	012·5	012·7	012·7	012·4	012·1	011·7	010·1
24	010·7	010·2	009·3	009·0	008·2	008·0	007·4	007·6	007·1	006·7	006·3	005·8	005·1	004·9	003·8	003·6	003·1	002·7	002·4	002·4	001·9	002·1	002·2	001·9	005·7
25	001·9	001·7	001·1	000·9	000·8	000·7	000·2	999·7	999·0	998·5	998·0	996·9	996·3	995·5	994·8	994·8	994·8	994·6	994·9	995·5	997·1	998·2	998·5	999·1	998·1
26	000·6	002·1	003·4	004·3	005·3	006·3	006·9	007·7	008·6	009·2	010·2	010·6	011·1	011·9	012·2	012·8	013·3	013·5	014·0	014·5	015·0	015·5	016·1	016·5	009·7
27	016·6	016·6	016·6	016·9	017·2	017·7	017·7	017·8	017·8	017·5	017·2	016·9	016·8	016·6	016·5	016·6	016·5	016·5	016·8	017·1	017·2	017·3	017·8	018·0	017·1
28	018·2	018·3	018·4	018·4	018·6	019·0	019·3	019·7	019·8	019·6	019·3	019·0	018·6	018·1	017·6	017·2	016·8	016·9	016·9	016·8	016·6	016·5	016·2	015·8	018·0
29	015·5	015·2	014·7	014·3	014·2	014·3	014·5	014·6	014·7	014·6	014·5	014·5	014·4	014·6	014·4	014·5	014·6	015·1	015·5	016·6	017·5	018·4	018·9	019·1	015·3
30	019·2	019·3	019·2	019·3	019·3	019·4	019·6	020·1	020·0	019·9	019·8	019·7	019·5	019·3	019·0	018·9	018·8	019·0	019·1	019·8	020·4	020·7	021·1	021·2	019·6
Mean (Station level)	1012 ·42	1012 ·30	**1012** ·20	1012 ·24	1012 ·37	1012 ·73	1013 ·02	1013 ·30	1013 ·51	**1013** ·63	1013 ·55	1013 ·41	1013 ·31	1013 ·16	1012 ·91	1012 ·85	1012 ·79	1012 ·83	1012 ·99	1013 ·27	1013 ·47	1013 ·54	1013 ·57	1013 ·53	1013 ·02
Mean (Sea level)	1013 ·70	1013 ·59	**1013** ·48	1013 ·53	1013 ·66	1014 ·02	1014 ·30	1014 ·58	1014 ·79	**1014** ·90	1014 ·82	1014 ·67	1014 ·57	1014 ·42	1014 ·17	1014 ·11	1014 ·05	1014 ·09	1014 ·26	1014 ·54	1014 ·74	1014 ·82	1014 ·85	1014 ·81	1014 ·29

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

443. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **May, 1927.**

Station Level — Day.	Hour G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	021·2	021·1	021·1	021·1	021·2	021·4	021.·7	021·9	021·8	021·6	021·3	021·3	021·3	021·1	020·6	020·4	020·3	020·2	020·4	020·6	020·4	020·0	019·5	018·9	020·9
2	018·3	017·3	016·6	015·7	015·2	δ14·9	014·7	014·0	013·5	012·9	012·1	011·5	011·1	010·5	010·1	009·9	009·8	009·7	009·9	010·2	010·4	010·5	010·5	010·7	012·7
3	011·0	010·9	010·8	010·7	010·9	011·2	011·4	011·2	011·5	011·4	011·5	011·2	011·0	010·7	010·2	010·0	009·9	009·9	010·0	010·1	010·3	010·2	010·4	010·0	010·7
4	009·3	009·0	008·4	008·1	008·1	008·2	007·9	008·0	007·6	007·4	007·0	006·7	006·5	006·5	006·2	006·0	006·0	006·0	006·3	006·8	007·0	006·9	007·2	007·3	007·3
5	007·4	006·9	006·8	007·2	007·6	008·5	009·1	009·7	009·6	010·2	010·6	010·8	010·9	010·8	010·9	011·0	011·3	012·3	013·1	014·0	014·7	014·9	015·4	016·2	010·6
6	016·0	016·1	016·3	016·3	017·0	017·7	018·0	017·9	018·5	018·8	018·7	018·9	018·7	018·4	018·2	018·4	018·7	019·4	020·3	020·8	021·3	021·9	022·3	022·6	018·7
7	022·7	022·8	022·8	023·0	023·1	023·4	023·6	023·5	023·2	022·7	022·3	021·8	021·4	021·4	021·1	020·8	020·5	020·5	020·6	020·9	021·0	021·1	020·9	021·1	022·0
8	020·6	020·4	019·9	019·6	019·5	019·2	019·1	019·2	019·0	018·8	018·5	018·2	018·0	017·7	017·4	017·2	017·3	017·3	017·3	017·5	017·8	017·7	017·7	017·6	018·5
9	017·4	017·3	017·0	017·1	017·1	017·2	017·7	017·7	017·7	017·4	017·6	017·5	017·4	017·3	017·2	017·2	017·4	017·6	018·0	018·7	019·5	020·1	020·7	021·0	017·9
10	021·0	021·3	021·4	021·5	021·9	022·5	022·8	023·3	023·6	023·8	023·8	024·0	024·3	024·5	024·7	024·9	025·2	025·8	026·3	027·0	027·6	027·9	028·3	028·7	024·3
11	028·7	028·7	028·8	028·9	029·1	029·5	029·8	029·8	030·0	029·8	029·6	029·2	029·0	028·6	028·1	027·6	027·2	027·0	026·7	026·9	027·1	026·8	026·2	025·8	**028·3**
12	025·5	024·8	024·2	023·4	022·8	022·7	022·4	021·9	021·3	020·8	020·7	020·4	020·2	020·0	019·5	019·5	019·7	019·9	020·4	021·0	021·4	021·7	022·2	022·4	021·7
13	022·2	022·4	022·4	022·4	022·8	023·0	023·1	023·2	023·2	023·1	023·1	022·9	022·9	022·7	022·3	021·8	021·8	021·8	021·6	021·5	021·4	021·3	020·7	022·0	022·3
14	020·3	019·8	019·3	019·0	018·9	018·8	018·8	018·5	018·0	017·8	017·0	016·6	016·2	015·7	015·3	014·7	014·3	013·9	013·9	013·8	013·6	013·4	013·1	012·8	016·6
15	012·3	011·7	011·2	010·7	010·6	010·8	010·8	010·9	011·0	010·9	011·0	010·9	010·7	010·6	010·6	010·6	010·4	010·4	010·5	010·7	010·8	010·8	010·8	010·7	010·9
16	010·6	010·2	010·0	009·9	009·7	009·7	009·6	009·5	009·2	009·1	009·3	009·2	009·1	008·7	008·8	008·7	008·6	008·7	008·8	009·0	009·1	009·2	009·4	009·4	009·3
17	009·2	009·3	009·2	009·3	009·9	011·1	011·8	012·6	013·3	014·0	014·6	015·2	015·5	016·1	016·5	016·8	017·1	017·7	018·3	019·1	020·1	020·7	021·3	021·8	014·8
18	022·2	022·5	022·7	022·6	022·9	023·2	023·5	023·8	023·8	023·6	023·3	022·9	022·6	022·3	021·7	021·5	021·2	021·2	021·0	021·1	021·5	021·5	021·4	021·4	022·3
19	021·4	021·4	021·1	021·2	021·4	021·5	021·5	021·8	021·8	021·9	021·9	021·7	021·4	021·2	021·2	021·3	021·4	021·6	021·7	022·0	022·9	023·2	023·4	023·3	021·8
20	023·2	023·0	022·7	022·7	022·5	022·5	022·2	022·1	021·3	020·9	020·0	019·2	018·3	017·5	017·9	016·3	015·7	015·2	014·6	014·3	013·9	013·8	013·6	013·0	018·8
21	012·0	011·3	010·4	009·6	009·1	008·7	008·3	007·8	007·3	007·5	007·5	007·5	007·5	007·3	007·5	007·3	007·4	008·2	008·5	009·1	009·6	010·2	010·4	010·6	008·8
22	010·8	011·1	011·4	011·4	012·0	012·5	013·1	013·7	014·4	014·7	015·1	015·8	016·5	017·2	018·2	019·1	019·7	020·5	021·3	022·1	022·7	023·3	023·8	024·0	016·6
23	024·3	024·5	024·5	024·7	025·0	025·1	025·7	025·8	025·8	026·0	024·9	024·9	024·7	024·3	024·2	024·2	024·3	024·6	024·6	024·9	025·3	025·8	025·9	025·9	025·0
24	026·0	025·8	025·6	025·4	025·2	025·3	025·3	025·1	024·9	024·9	024·6	024·3	024·0	023·7	023·2	023·0	022·5	022·5	022·3	022·4	022·3	022·5	022·6	022·5	024·1
25	022·4	022·1	021·9	021·8	021·9	021·7	021·7	021·4	021·0	021·1	020·9	020·5	020·2	020·1	019·8	019·8	019·6	019·5	019·6	019·7	019·8	019·8	019·7	019·6	020·7
26	019·6	019·4	019·4	019·8	020·1	020·2	020·5	020·5	020·6	020·5	020·4	020·3	020·1	019·8	019·5	019·2	019·1	019·0	019·2	019·7	020·0	019·9	020·1	020·1	019·9
27	019·7	019·5	018·9	018·8	018·6	018·5	018·5	018·4	017·6	017·5	017·0	016·7	016·4	016·1	015·7	015·6	015·4	015·5	015·4	015·4	015·6	015·5	015·5	015·2	017·1
28	014·9	014·7	014·5	014·3	014·3	014·4	014·4	014·2	014·0	013·9	013·7	013·6	013·4	013·1	012·8	012·5	012·1	012·0	012·0	012·2	012·4	012·5	012·4	012·2	013·4
29	011·8	011·6	011·3	011·2	011·2	011·3	011·5	011·4	011·5	011·4	011·3	010·9	010·6	010·5	010·2	010·0	009·6	009·4	009·6	010·0	010·5	010·6	010·5	010·3	010·8
30	010·0	010·0	009·6	009·3	009·5	009·6	009·6	009·6	009·4	009·1	008·6	008·0	007·4	007·0	006·3	006·2	006·0	006·0	005·7	005·5	005·6	004·8	004·4	004·1	007·7
31	003·8	003·4	003·1	002·7	002·8	002·8	002·7	002·9	003·1	003·3	003·5	003·4	003·5	003·6	003·4	003·4	003·5	003·6	003·7	004·0	004·7	005·1	005·0	004·8	**003·6**
Mean (Station level)	**1017** ·28	1017 ·11	1016 ·88	1016 ·77	1016 ·83	1017 ·00	1017 ·12	1017 ·14	1017 ·05	1016 ·99	1016 ·82	1016 ·65	1016 ·48	1016 ·29	1016 ·11	1015 ·97	**1015** ·90	1016 ·03	1016 ·19	1016 ·49	1016 ·79	1016 ·89	1016 ·97	1016 ·93	1016 ·71
Mean (Sea level)	**1018** ·56	1018 ·38	1018 ·16	1018 ·04	1018 ·11	1018 ·28	1018 ·39	1018 ·40	1018 ·31	1018 ·25	1018 ·06	1017 ·89	1017 ·72	1017 ·53	1017 ·35	1017 ·21	**1017** ·15	1017 ·27	1017 ·44	1017 ·74	1018 ·05	1018 ·16	1018 ·23	1018 ·20	1017 ·97

444. Richmond (Kew Observatory) : H_b = 10·4 metres. **June, 1927.**

Station Level — Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	004·4	004·1	003·9	003·4	002·9	003·0	003·0	002·9	003·0	003·2	003·0	003·1	003·2	003·3	003·6	003·9	004·4	004·8	005·4	006·0	006·8	007·0	007·3	007·6	004·2
2	007·6	007·9	008·2	008·6	009·1	009·6	010·1	010·5	010·7	010·7	010·7	010·7	010·8	010·7	010·6	010·7	010·8	011·0	011·3	011·6	012·3	012·6	012·9	013·4	010·4
3	013·8	014·2	014·4	014·9	015·4	016·0	016·5	017·1	017·4	017·6	017·6	017·8	017·8	017·8	017·6	017·4	017·4	017·5	017·8	018·1	018·6	018·8	018·7	018·5	016·9
4	018·3	018·2	017·9	017·9	018·0	018·2	018·3	018·3	018·3	018·2	018·0	017·6	017·3	016·8	016·7	016·4	015·6	015·6	015·8	016·0	016·2	016·3	016·1	016·0	017·2
5	015·5	015·4	015·2	015·2	015·1	015·0	015·1	014·6	014·1	013·9	013·5	012·8	012·1	011·8	011·6	010·5	010·0	009·0	008·4	007·2	006·2	005·4	004·7	004·5	011·8
6	004·7	006·2	007·1	008·0	008·8	010·1	010·8	011·7	012·5	012·9	013·2	013·9	014·0	014·3	014·2	014·7	014·7	014·9	015·1	015·2	015·3	015·3	015·0	014·8	012·2
7	014·6	014·4	014·2	014·0	013·7	013·4	013·5	013·2	012·8	012·4	011·9	011·6	011·4	010·9	010·5	010·2	009·8	009·4	009·2	009·0	009·1	009·0	008·8	008·7	011·6
8	008·7	008·7	009·0	009·4	010·0	011·0	011·7	012·6	013·3	013·6	014·5	015·0	015·3	015·4	015·6	015·5	015·5	015·8	016·1	016·4	017·0	017·3	017·4	017·5	013·7
9	017·5	017·5	017·5	017·6	017·7	018·0	018·1	018·3	018·0	018·1	018·0	017·8	017·9	017·7	017·6	017·7	017·5	017·4	017·3	017·2	017·3	017·1	017·1	017·1	017·6
10	016·8	016·2	015·8	015·6	015·5	015·4	015·3	015·3	014·7	014·5	013·8	013·4	013·1	013·1	013·1	013·0	012·6	012·5	012·2	012·1	012·4	012·6	012·4	012·3	014·0
11	012·1	011·4	011·3	011·5	011·8	011·9	012·0	012·1	012·2	012·5	012·6	012·6	012·8	013·2	013·4	013·3	013·4	013·6	013·9	014·1	014·3	014·2	014·1	014·0	012·8
12	013·8	013·6	013·6	013·8	014·0	014·3	014·6	014·5	014·5	014·5	014·3	014·1	014·1	014·0	013·8	013·8	013·8	014·1	014·3	014·9	015·7	016·1	016·2	016·1	014·4
13	016·1	016·2	016·1	016·3	016·4	016·5	016·6	016·8	016·8	016·8	016·3	016·2	016·0	015·6	015·1	014·9	014·6	014·7	015·0	015·3	015·7	015·9	015·9	015·6	015·9
14	015·5	015·3	015·0	014·8	014·8	015·1	015·5	015·3	015·3	015·2	015·0	014·8	015·0	015·0	015·0	015·2	015·3	015·5	016·0	017·0	017·9	018·3	018·6	018·5	015·7
15	018·7	019·2	019·5	019·4	019·5	020·0	020·8	021·5	021·5	022·0	022·0	021·8	021·7	022·0	021·5	021·4	021·7	022·0	021·6	021·8	021·7	021·6	021·5	021·2	021·0
16	020·4	019·9	019·2	018·7	018·2	018·0	018·1	017·7	017·4	016·4	015·9	015·3	014·2	013·6	012·4	012·2	011·9	011·6	011·5	011·4	011·5	011·0	010·5	009·9	015·1
17	008·8	008·4	008·1	007·6	006·8	006·6	006·2	005·9	005·5	005·2	004·9	004·8	004·7	005·0	004·7	004·5	005·1	005·6	006·0	006·4	007·9	008·5	008·8	009·2	006·5
18	009·5	009·6	010·0	010·4	010·6	010·7	010·6	010·8	010·7	010·5	010·6	010·3	009·9	009·5	008·9	008·3	007·1	006·2	005·0	003·1	000·4	997·8	995·4	994·5	007·4
19	994·4	996·1	997·5	998·9	000·1	001·1	002·5	003·5	004·1	004·6	005·4	005·8	006·4	006·8	007·8	008·1	008·5	009·0	009·7	010·5	011·3	011·9	012·4	012·8	005·0
20	013·2	013·7	014·2	014·7	015·6	016·3	016·7	017·2	017·7	017·9	018·3	018·7	019·4	019·5	020·0	020·1	020·3	020·3	020·4	020·5	020·7	020·6	020·5	020·1	018·0
21	019·7	019·0	018·5	018·1	018·1	017·9	017·5	016·8	016·9	016·9	017·0	017·6	017·8	018·0	018·1	017·9	017·8	017·8	017·9	018·0	018·3	018·6	019·1	019·8	018·1
22	020·2	020·5	020·7	021·1	021·6	022·0	022·4	022·8	022·9	023·1	023·3	023·2	022·9	022·6	022·2	021·9	021·4	021·1	020·8	020·6	020·7	020·4	019·5	018·9	**021·6**
23	017·9	017·1	016·1	015·6	014·7	014·4	014·9	015·0	015·3	015·4	015·5	015·5	015·6	015·7	015·8	015·9	015·9	016·0	016·3	016·4	016·5	016·2	016·0	015·5	015·9
24	014·6	013·6	012·4	011·3	010·2	008·8	007·1	005·5	005·2	005·1	004·5	003·7	003·8	004·3	004·9	005·2	005·8	006·0	006·7	007·4	008·7	009·6	010·6	011·6	007·9
25	012·2	012·6	013·2	013·5	014·1	014·3	014·5	014·6	013·9	013·5	012·9	012·3	011·1	010·4	009·5	008·3	007·2	005·9	004·7	003·4	002·4	001·3	000·1	998·9	009·6
26	998·3	997·7	997·0	996·6	996·3	996·2	995·8	995·7	996·7	997·6	998·5	999·2	999·3	999·9	000·6	001·4	001·6	001·8	002·4	002·8	003·4	003·7	003·8	003·9	**999·5**
27	004·2	004·3	004·4	004·6	005·1	005·5	006·0	006·5	006·6	006·5	006·2	006·3	006·4	007·0	007·4	007·7	007·9	008·5	009·0	009·3	009·8	010·1	010·3	010·4	006·9
28	010·4	010·2	010·2	010·2	010·5	010·7	011·0	011·3	011·1	011·0	010·7	010·4	010·3	010·5	010·3	010·1	010·2	010·2	010·6	010·6	010·3	010·1	010·2	010·5	
29	009·3	008·8	008·3	007·6	006·7	005·9	005·1	005·1	005·5	005·8	005·6	005·7	005·7	005·8	005·6	005·5	005·1	005·3	005·3	005·6	005·8	005·6	005·2	005·1	006·1
30	004·6	004·2	003·3	002·6	001·8	002·3	001·3	001·2	000·4	000·2	999·6	999·5	999·6	999·4	999·4	999·2	999·1	999·1	999·4	999·4	999·5	999·6	999·0	998·6	000·7
Mean (Station level)	1011 ·86	1011 ·81	**1011** ·73	1011 ·73	1011 ·77	1011 ·94	1012 ·05	1012 ·14	1012 ·17	**1012** ·20	1012 ·12	1012 ·06	1011 ·99	1011 ·98	1011 ·92	1011 ·84	1011 ·74	1011 ·74	1011 ·83	1011 ·90	1012 ·13	1012 ·10	1011 ·94	1011 ·84	1011 ·94
Mean (Sea level)	1013 ·12	1013 ·07	1012 ·99	1012 ·99	1013 ·03	1013 ·20	1013 ·31	1013 ·40	1013 ·42	**1013** ·44	1013 ·36	1013 ·30	1013 ·23	1013 ·21	1013 ·16	1013 ·07	**1012** ·97	1012 ·97	1013 ·07	1013 ·14	1013 ·38	1013 ·35	1013 ·20	1013 ·09	1013 ·19

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

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

*z

Readings in millibars at exact hours, Greenwich Mean Time.

445. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **July, 1927.**

Hour G.M.T	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	998·2	997·8	997·2	996·0	995·5	994·9	994·0	993·1	992·2	991·4	991·2	991·5	991·7	991·9	992·3	992·5	992·0	991·8	992·1	992·5	992·8	993·1	993·7	994·4	**993·6**
2	995·2	995·7	996·4	996·9	997·4	997·9	998·9	999·8	000·3	001·1	001·9	002·5	003·1	003·7	004·5	004·8	005·0	005·4	005·9	006·2	007·2	007·4	007·5	007·4	001·9
3	007·4	007·6	007·8	008·2	008·6	008·6	008·7	009·0	009·2	009·1	009·1	009·0	009·0	009·1	008·8	008·6	008·7	008·7	008·8	008·7	008·8	008·5	008·2	007·9	008·6
4	007·5	007·2	007·1	006·7	006·7	006·7	007·0	007·1	007·3	007·2	007·1	006·7	006·9	007·0	007·2	006·8	006·8	006·6	006·5	006·6	006·9	006·9	006·9	006·6	006·9
5	006·3	005·9	005·7	004·6	003·6	003·4	001·5	001·6	001·6	002·0	002·8	003·9	005·3	006·1	006·9	007·8	008·3	008·6	009·1	009·9	010·7	011·0	011·3	011·6	006·1
6	011·8	012·0	012·1	012·3	012·3	012·4	012·5	012·7	012·4	012·4	012·2	012·2	011·6	011·3	010·9	010·7	010·5	010·3	009·8	009·8	009·5	008·7	008·7	008·2	011·2
7	007·5	006·6	006·2	005·9	005·9	006·0	006·1	006·2	006·3	006·3	006·4	006·1	006·0	006·2	006·4	006·6	006·8	007·1	007·5	008·0	008·5	008·9	009·3	009·1	006·9
8	009·2	009·0	009·0	009·2	009·5	009·7	009·6	009·7	009·6	009·2	009·2	008·9	008·4	008·2	008·2	007·8	007·3	007·1	007·0	007·2	007·4	007·2	007·3	007·0	008·4
9	005·5	004·8	004·2	003·9	003·0	002·7	002·5	002·0	001·5	001·4	001·5	001·1	000·4	000·4	000·1	000·4	000·7	001·1	001·7	002·3	003·0	003·4	003·9	004·2	002·4
10	004·3	004·9	005·4	005·8	006·5	007·1	007·8	008·4	008·4	008·7	008·9	009·3	009·6	009·9	010·1	010·1	010·4	010·7	011·1	011·5	012·6	013·3	013·7	013·9	009·1
11	014·0	014·0	013·9	014·1	014·2	014·6	015·0	015·4	015·3	015·3	014·9	014·7	014·4	014·6	015·8	015·3	014·7	014·5	014·5	015·0	015·1	015·1	015·0	015·0	014·7
12	014·8	014·5	014·5	014·6	014·7	014·9	015·3	015·4	015·2	015·1	015·0	015·0	014·9	014·8	014·8	014·8	014·5	014·7	015·1	015·3	015·6	015·6	015·6	015·7	015·0
13	015·8	015·7	015·8	015·7	015·8	015·9	016·3	016·6	016·7	016·7	016·9	016·8	016·8	016·8	016·8	016·7	016·7	016·7	016·8	017·2	017·6	017·7	017·8	017·9	016·6
14	017·8	017·6	017·5	017·5	017·6	017·8	018·1	018·4	018·8	019·1	019·4	019·4	019·4	019·4	019·5	019·6	019·8	020·0	020·0	020·6	021·1	021·3	021·2	021·3	019·2
15	021·2	021·2	021·3	021·5	021·6	021·9	022·2	022·1	022·2	022·2	022·6	022·5	022·4	022·3	022·3	021·9	021·6	021·5	021·7	022·0	022·4	022·7	022·8	022·9	022·0
16	022·9	022·8	022·7	022·8	022·9	023·0	023·0	022·8	022·6	022·5	022·6	022·5	022·3	022·0	021·7	021·1	020·7	020·6	020·6	020·6	020·9	020·9	020·7	020·5	022·0
17	020·0	019·6	019·3	019·1	018·9	018·8	018·9	018·7	018·4	018·5	018·4	018·3	018·3	018·2	018·1	017·9	017·7	017·9	017·9	018·1	018·2	018·3	018·4	018·3	018·6
18	018·4	018·5	018·6	018·6	018·9	019·1	019·4	019·3	019·6	019·9	020·0	020·0	020·1	020·1	020·1	020·0	019·8	020·0	020·6	021·3	021·6	021·8	022·2	022·4	019·9
19	022·1	022·1	021·9	022·1	022·5	022·6	023·0	023·1	023·1	023·0	022·6	022·6	022·5	022·3	022·3	022·1	021·7	021·8	021·9	022·2	022·4	022·8	022·9	022·5	**022·4**
20	022·3	022·2	021·9	021·4	021·3	021·2	021·0	020·9	020·6	020·5	020·0	019·8	019·5	019·4	018·8	018·4	018·1	017·9	017·8	017·7	017·6	017·5	017·3	016·9	019·7
21	016·6	015·9	015·6	015·2	014·6	014·0	013·2	012·3	011·5	010·5	010·2	009·8	009·8	009·6	009·6	009·4	009·4	009·3	009·1	009·0	008·9	008·6	008·3	007·8	011·4
22	007·3	006·4	005·9	005·4	005·1	005·1	005·1	004·9	004·7	004·2	003·5	003·5	003·5	003·7	004·0	004·0	004·0	004·1	004·3	004·4	004·9	005·1	005·3	004·9	004·2
23	005·0	005·1	005·2	005·4	005·6	006·0	006·4	006·8	007·1	007·3	007·8	008·4	008·9	009·3	009·8	010·4	011·1	011·3	011·7	012·5	013·3	013·8	014·4	014·6	008·9
24	014·8	015·0	014·9	015·0	015·2	015·5	015·5	015·5	015·6	015·7	015·7	015·6	015·7	015·8	015·8	015·7	015·5	015·3	015·5	015·7	016·0	016·4	016·7	017·0	015·6
25	016·9	016·9	017·0	016·9	017·2	017·4	017·5	017·5	017·5	017·5	016·9	016·5	016·3	016·5	016·4	016·2	016·1	016·1	016·1	016·2	016·5	016·6	016·5	016·1	016·7
26	015·8	015·6	015·3	015·0	014·6	014·5	014·2	013·8	013·6	013·1	012·9	012·3	011·8	011·5	011·3	010·8	010·7	010·5	010·4	010·5	010·3	009·9	009·5	008·8	012·5
27	008·2	007·4	006·6	005·7	005·5	004·7	004·6	003·9	003·7	003·4	002·6	001·8	001·7	001·6	001·2	001·0	000·6	000·5	000·2	000·0	000·1	000·1	000·0	999·8	002·9
28	999·8	999·9	000·0	000·1	000·4	001·0	001·7	002·2	002·7	002·9	003·1	003·5	003·6	003·6	004·2	004·6	004·6	004·9	005·1	005·8	006·3	006·7	007·1	007·4	003·2
29	007·5	007·6	007·6	007·9	008·3	008·8	009·2	009·5	009·6	009·8	009·9	010·3	010·1	010·3	010·3	010·3	010·6	010·6	011·0	011·4	011·7	012·3	012·2	012·0	009·9
30	011·5	011·8	011·8	011·8	012·0	011·8	011·5	011·4	011·2	011·2	011·4	011·3	011·2	011·1	011·0	010·8	010·7	010·8	011·3	011·8	012·6	013·1	013·6	013·6	011·6
31	013·6	013·8	013·7	013·9	014·0	014·2	014·6	014·9	014·7	014·5	014·4	014·3	014·5	014·3	014·2	014·3	014·1	014·2	014·6	014·7	014·9	014·8	015·1	015·0	014·4
Mean (Station level)	1011 ·59	1011 ·45	1011 ·36	1011 ·27	1011 ·29	1011 ·36	1011 ·43	1011 ·46	1011 ·40	1011 ·37	1011 ·35	1011 ·29	1011 ·28	1011 ·33	1011 ·37	1011 ·31	**1011 ·25**	1011 ·31	1011 ·49	1011 ·78	1012 ·11	1012 ·25	**1012 ·35**	1012 ·27	1011 ·52
Mean (Sea level)	1012 ·83	1012 ·70	1012 ·60	1012 ·51	1012 ·53	1012 ·61	1012 ·67	1012 ·69	1012 ·63	1012 ·61	1012 ·57	1012 ·52	1012 ·51	1012 ·55	1012 ·59	1012 ·53	**1012 ·47**	1012 ·53	1012 ·72	1013 ·02	1013 ·35	1013 ·49	**1013 ·59**	1013 ·52	1012 ·75

446. Richmond (Kew Observatory) : H_b = 10·4 metres. **August, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	014·3	014·3	014·1	013·8	013·6	013·4	013·2	013·0	012·6	012·6	012·5	012·6	012·0	011·8	011·7	011·7	011·7	012·0	012·5	013·2	013·7	013·8	014·5	014·7	013·1
2	014·8	015·5	015·7	016·3	017·0	017·7	018·6	019·3	019·9	020·3	020·5	020·5	020·7	021·1	021·3	021·8	022·1	022·5	023·0	023·7	024·4	024·8	025·1	025·3	020·3
3	025·5	025·6	025·7	025·7	026·0	026·4	026·5	026·6	026·6	026·6	026·3	026·0	025·8	025·5	025·2	024·9	024·4	024·3	024·4	c24·8	025·0	025·2	025·2	025·0	**025·6**
4	024·9	024·6	024·7	024·2	024·4	024·4	023·9	023·5	022·9	022·6	022·1	021·7	021·5	021·3	020·7	020·0	019·8	019·7	019·7	020·0	019·6	019·2	018·8	018·5	021·9
5	018·0	017·2	016·7	016·4	016·2	016·0	015·7	015·5	015·1	014·5	013·9	013·3	012·6	012·3	012·0	011·8	011·4	011·2	010·4	010·3	010·3	009·7	009·3	009·3	013·5
6	008·7	008·1	007·2	007·2	007·3	007·2	006·8	006·3	005·7	005·6	005·6	005·3	004·9	004·5	004·4	004·2	004·0	003·9	003·6	c03·7	003·9	003·4	003·0	002·6	005·4
7	002·5	002·3	002·3	002·5	002·7	003·0	003·3	003·4	003·6	003·9	004·2	004·4	c04·6	c04·6	004·8	004·8	004·7	004·7	c04·7	005·0	c05·4	005·7	005·3	005·3	005·2	004·0
8	004·6	004·3	c04·4	004·3	003·9	003·7	003·9	003·7	003·1	003·0	002·8	003·0	002·8	002·5	002·8	002·8	003·1	003·4	003·8	c04·5	004·8	c04·7	004·5	004·3	003·7
9	004·0	003·9	003·4	003·1	002·9	002·6	002·7	002·9	003·2	003·3	003·6	003·6	003·8	003·9	c04·1	004·3	004·8	c05·3	005·9	006·6	007·0	007·2	007·3	007·5	c04·4
10	007·5	007·5	007·4	007·4	007·5	007·6	007·8	008·0	007·9	008·1	008·1	008·3	008·1	008·1	008·3	008·4	008·5	008·7	009·1	009·4	009·7	009·8	009·7	009·6	008·3
11	009·6	009·7	009·7	009·7	009·7	010·0	010·1	010·2	010·3	010·2	010·1	009·9	010·0	009·9	009·9	009·5	009·4	009·4	009·7	010·0	010·5	010·5	010·7	010·6	009·9
12	010·2	009·7	009·2	008·5	008·4	008·5	008·5	008·7	008·7	008·5	008·4	008·2	007·7	007·8	007·8	007·7	007·6	007·7	007·9	008·4	008·7	008·8	008·9	008·9	008·5
13	008·9	009·3	009·4	009·5	009·9	010·5	011·1	011·5	011·6	011·5	011·4	011·4	011·0	010·7	010·2	009·4	009·0	008·9	008·8	008·6	008·3	008·1	007·8	008·0	009·9
14	007·6	007·2	006·7	006·3	006·1	006·0	005·6	005·2	004·5	004·0	003·5	003·1	003·1	002·7	002·8	002·9	002·7	002·5	002·7	003·1	003·2	003·2	003·3	003·1	004·3
15	003·0	002·7	002·2	002·1	002·0	002·2	002·2	002·4	002·1	001·9	001·7	001·4	000·9	000·4	000·0	999·7	999·4	999·1	999·0	998·9	998·6	998·5	998·5	998·5	000·8
16	998·9	999·1	999·4	999·9	000·9	002·5	003·7	004·6	005·2	005·9	006·5	006·9	007·5	008·0	007·9	008·2	008·8	009·5	009·9	010·2	010·6	010·6	010·9	011·2	005·9
17	011·1	011·0	011·0	010·8	010·8	011·0	011·2	011·4	011·4	011·1	010·8	010·5	010·1	009·8	009·5	009·0	008·7	008·2	008·0	007·6	007·3	006·2	005·3	004·8	009·6
18	003·9	003·0	001·9	001·1	000·4	999·8	999·6	999·5	999·5	999·4	999·4	999·4	999·5	999·8	999·8	999·8	999·7	000·2	000·0	000·1	000·3	000·1	000·0	000·2	000·4
19	000·0	000·0	000·2	000·2	000·5	001·1	002·1	003·3	004·1	005·0	005·7	006·5	007·2	008·0	008·5	009·3	009·7	010·3	011·0	012·2	012·8	013·1	013·3	013·6	003·3
20	013·4	013·3	013·1	012·7	012·5	012·4	011·7	010·8	010·1	008·4	006·5	005·0	004·2	003·6	003·5	003·5	003·3	003·0	002·9	002·4	002·4	0c2·5	002·4	002·1	007·1
21	002·0	001·7	001·0	000·4	000·0	999·5	999·3	999·2	999·3	999·1	998·8	998·8	998·6	998·4	998·3	998·4	997·9	998·0	998·0	998·3	998·2	998·2	998·1	997·8	999·1
22	997·4	997·0	996·8	996·4	996·1	996·1	996·0	996·0	996·3	996·4	996·5	996·7	996·9	997·0	997·7	998·0	998·5	999·2	999·8	000·4	001·1	001·5	001·7	002·2	**997·9**
23	002·6	003·1	003·4	003·9	004·5	005·2	005·7	006·4	006·7	007·2	007·7	008·0	008·2	008·3	008·5	008·9	009·4	009·6	010·2	010·9	011·3	011·5	011·6	011·4	007·5
24	011·3	011·2	011·1	011·3	011·7	011·5	011·6	011·7	011·7	011·5	010·8	011·0	011·0	011·3	011·8	011·7	011·4	011·8	012·3	012·8	012·8	012·8	012·8	012·6	011·7
25	012·5	012·4	012·6	013·0	013·5	013·8	014·3	014·8	015·1	015·8	016·4	016·6	017·0	017·2	017·6	018·5	018·9	019·5	020·5	021·3	022·0	022·4	022·6	022·8	016·9
26	022·7	022·5	022·4	022·4	022·7	022·7	022·7	023·1	023·3	023·3	022·6	022·5	022·4	022·3	022·0	021·5	021·5	021·0	020·9	021·1	021·0	020·9	020·8	020·6	022·1
27	020·2	019·8	019·0	018·5	018·2	018·2	018·3	018·2	018·2	018·2	017·9	017·8	017·9	017·4	017·4	017·2	017·3	017·5	017·8	018·1	018·2	018·1	018·1	018·0	018·2
28	017·8	017·8	017·3	016·7	016·7	017·0	017·2	017·4	017·6	017·5	017·5	017·3	017·1	016·8	016·7	016·8	016·8	017·0	017·2	017·4	017·6	017·5	017·5	017·4	017·2
29	017·2	017·0	016·7	016·4	016·4	016·7	017·0	017·5	017·9	018·4	018·7	018·9	018·9	019·2	019·2	019·5	020·1	020·5	021·0	022·0	022·5	023·0	023·6	023·8	019·1
30	023·8	023·8	024·0	023·5	023·7	024·0	024·4	024·5	024·8	024·9	024·7	024·6	024·6	024·4	024·0	024·0	023·8	024·0	024·2	024·5	024·4	024·2	024·0	023·9	024·2
31	023·4	023·2	022·9	022·6	022·4	022·4	022·4	022·4	022·4	021·9	021·4	021·2	020·7	020·1	019·6	019·3	019·3	019·3	019·5	019·7	019·7	019·6	019·7	019·7	021·1
Mean (Station level)	1011 ·04	1010 ·90	1010 ·70	**1010 ·54**	1010 ·60	1010 ·75	1010 ·87	1011 ·00	1011 ·01	1011 ·00	1010 ·88	1010 ·78	1010 ·70	1010 ·62	1010 ·60	1010 ·59	1010 ·58	1010 ·71	1010 ·93	1011 ·28	**1011 ·48**	1011 ·44	1011 ·44	1011 ·38	1010 ·91
Mean (Sea level)	1012 ·29	1012 ·14	1011 ·94	**1011 ·79**	1011 ·85	1011 ·90	1012 ·12	1012 ·24	1012 ·24	1012 ·23	1012 ·11	1012 ·01	1011 ·92	1011 ·84	1011 ·82	1011 ·81	1011 ·81	1011 ·94	1012 ·16	1012 ·52	**1012 ·72**	1012 ·68	1012 ·68	1012 ·62	1012 ·14

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

447. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **September, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	019·7	019·5	019·4	019·0	018·9	019·1	019·4	019·5	019·6	019·5	019·5	019·5	019·5	019·5	019·2	019·2	019·3	019·5	019·7	020·1	020·2	020·3	020·7	020·7	019·6
2	020·8	021·0	021·1	021·2	021·6	021·8	022·2	022·7	023·0	023·2	022·8	022·7	022·6	022·5	022·4	022·4	022·4	022·4	022·6	023·2	023·3	023·1	023·0	023·0	**022·3**
3	023·1	023·0	023·0	022·7	022·5	022·6	022·7	022·9	023·2	023·0	022·6	022·4	022·0	021·5	020·9	020·5	020·4	020·4	020·7	020·6	020·4	020·4	020·1	021·8	
4	019·5	019·2	018·7	018·6	018·1	017·9	017·9	017·7	017·5	017·5	017·2	016·6	015·9	015·6	015·1	015·1	015·0	014·9	014·6	014·9	015·0	014·5	014·5	014·2	016·6
5	013·9	013·6	013·3	012·8	012·9	013·3	013·3	013·3	013·1	013·1	013·0	012·9	012·8	012·6	012·3	012·1	012·0	011·8	012·1	012·4	012·3	012·4	012·5	012·8	012·8
6	012·5	012·1	012·1	012·0	012·2	012·1	012·4	012·3	012·3	012·1	011·8	011·3	011·4	010·9	010·5	010·0	009·5	009·4	009·7	010·2	010·0	009·9	009·8	011·1	011·2
7	012·0	012·3	012·2	012·6	013·0	013·5	014·1	014·8	015·8	016·4	016·4	016·9	017·0	017·3	017·5	017·8	018·1	018·5	019·1	019·7	020·1	020·5	020·6	020·8	016·3
8	020·3	020·4	020·1	019·9	019·7	019·8	019·3	019·0	018·7	018·3	017·6	016·7	016·2	015·6	014·9	014·0	013·2	012·2	011·7	011·1	010·6	009·4	009·1	008·5	015·9
9	008·1	007·5	007·2	007·3	007·4	007·7	008·0	008·1	008·8	009·0	009·1	008·9	008·8	009·2	009·4	009·5	009·5	009·4	010·0	010·6	010·9	010·7	010·5	010·3	009·0
10	009·8	009·1	007·9	007·4	006·5	005·9	005·3	004·3	003·9	003·6	003·5	003·1	002·9	002·5	002·3	002·0	002·1	002·2	002·5	003·1	003·2	003·2	003·3	003·3	004·4
11	003·3	003·3	003·0	003·2	003·5	004·2	004·6	005·4	005·8	006·6	006·9	007·5	007·9	008·5	009·0	009·2	009·8	010·5	011·0	011·6	012·3	012·7	013·4	013·7	007·6
12	013·8	014·1	014·3	014·5	014·8	015·5	015·9	016·6	016·9	017·3	017·3	017·6	017·5	017·4	017·3	017·4	017·5	017·4	017·6	017·9	017·9	017·9	018·0	017·9	016·6
13	017·7	017·6	017·5	017·3	017·0	016·9	016·9	017·1	017·0	017·0	016·9	016·3	015·7	015·0	014·0	012·9	012·1	011·4	010·9	010·5	010·2	009·9	009·8	009·7	014·6
14	009·8	009·6	009·1	008·8	008·7	008·8	008·9	009·0	009·1	009·1	008·9	008·8	008·7	008·4	007·8	007·4	007·1	006·7	006·4	006·0	005·4	004·5	003·6	002·9	007·8
15	001·5	000·9	999·9	999·4	999·1	999·1	999·1	999·4	999·7	999·9	999·9	999·9	000·0	000·0	000·2	000·3	000·5	000·5	001·2	001·6	001·7	001·7	001·8	001·9	000·4
16	001·8	001·6	001·4	001·0	000·9	001·0	001·1	001·5	001·5	001·6	001·8	001·8	001·8	001·7	001·4	001·2	001·4	001·6	001·8	002·1	002·2	002·1	002·0	001·9	001·6
17	001·8	001·2	000·8	000·0	999·6	999·3	998·8	999·0	999·6	000·4	001·0	001·6	002·2	003·1	003·8	003·9	004·4	004·9	005·3	006·1	006·4	006·0	005·9	006·1	002·5
18	005·0	004·3	003·6	003·2	003·2	002·9	003·3	003·4	003·6	004·0	003·9	004·2	004·0	004·5	004·7	004·7	005·3	005·7	006·2	006·9	007·0	006·7	006·7	006·6	004·7
19	006·0	005·1	004·1	003·4	002·9	002·3	002·5	002·4	002·8	003·1	003·5	003·6	003·8	004·1	004·5	004·6	005·1	005·6	005·6	006·4	006·6	006·8	007·1	007·6	004·5
20	007·8	007·9	008·4	009·1	009·6	009·8	010·5	011·2	011·6	011·8	011·7	011·5	011·2	010·9	010·7	009·9	009·6	009·3	009·1	008·8	008·4	008·2	008·1	007·6	009·7
21	007·1	006·9	006·1	005·9	005·3	005·3	004·8	004·9	004·9	004·9	004·4	004·0	003·8	003·3	002·8	002·5	001·9	001·5	001·1	001·1	001·2	001·1	000·6	000·1	003·7
22	999·5	998·8	997·9	997·2	996·3	995·1	994·3	993·6	992·3	991·9	991·9	991·6	991·4	991·9	992·5	992·8	992·8	992·9	993·3	993·2	992·9	992·5	991·8	991·7	993·9
23	992·4	992·7	993·0	993·1	993·5	994·0	994·5	994·7	994·6	994·3	993·4	992·3	991·1	989·2	986·1	982·7	980·0	979·2	978·2	977·4	976·3	976·4	977·4	979·2	987·6
24	980·5	981·2	981·6	982·3	983·1	983·9	984·6	985·1	985·3	985·5	985·7	985·7	985·9	986·2	986·3	986·4	986·6	987·2	987·7	988·4	988·7	988·8	988·9	989·0	**985·4**
25	989·0	989·0	988·8	988·9	989·1	989·4	990·0	990·4	991·0	991·1	991·0	991·0	991·1	991·6	991·6	991·8	992·2	993·1	993·5	994·6	995·4	996·2	996·9	997·6	991·7
26	998·1	998·4	998·9	999·2	999·6	000·2	000·9	001·7	002·4	002·8	003·2	003·3	003·9	003·9	004·1	004·0	004·5	005·1	005·7	006·2	006·7	007·2	007·5	007·7	002·9
27	007·9	008·2	008·4	008·8	009·3	010·3	011·3	012·1	012·9	013·6	013·8	014·3	014·8	015·3	016·0	016·7	017·3	018·1	018·9	019·6	020·3	020·7	021·2	021·6	014·4
28	021·8	021·9	022·0	022·4	022·6	023·2	023·7	023·7	023·7	022·9	022·4	021·9	021·4	021·2	020·9	020·9	020·8	020·9	020·9	020·5	020·0	019·8	018·9	021·8	
29	017·7	016·5	015·3	014·5	013·4	012·3	011·5	011·0	010·0	009·2	008·3	007·1	005·9	004·6	004·4	005·2	005·9	006·6	007·3	007·9	008·6	009·2	009·6	010·2	009·9
30	010·7	011·2	011·9	012·3	012·7	013·3	014·4	015·3	015·8	016·2	016·0	015·7	015·7	015·4	015·6	016·0	016·2	016·3	016·3	016·2	016·0	015·9	015·7	015·7	014·7
Mean (Station level)	1008 ·43	1008 ·27	1008 ·03	1007 ·93	1007 ·90	1008 ·00	1008 ·19	1008 ·41	1008 ·55	**1008 ·66**	1008 ·53	1008 ·37	1008 ·25	1008 ·12	1007 ·95	1007 ·77	**1007 ·75**	1007 ·84	1008 ·01	1008 ·31	1008 ·36	1008 ·30	1008 ·34	1008 ·41	1008 ·20
Mean (Sea level)	1009 ·68	1009 ·53	1009 ·29	1009 ·19	1009 ·16	1009 ·26	1009 ·44	1009 ·66	1009 ·80	**1009 ·90**	1009 ·77	1009 ·61	1009 ·48	1009 ·35	1009 ·19	1009 ·01	**1008 ·99**	1009 ·08	1009 ·26	1009 ·56	1009 ·61	1009 ·55	1009 ·59	1009 ·67	1009 ·44

Station Level

448. Richmond (Kew Observatory) : H_b = 10·4 metres. **October, 1927.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	015·6	015·2	014·8	014·5	014·2	013·9	013·6	013·6	012·8	012·0	011·0	010·1	008·8	008·1	007·5	006·7	006·3	006·3	006·4	006·6	007·2	007·7	007·8	008·4	010·5
2	008·7	008·5	008·8	008·9	008·9	009·2	009·0	009·0	008·8	008·4	008·0	007·4	006·4	006·1	005·7	006·1	007·1	008·7	010·9	012·4	014·0	015·1	015·9	017·2	009·4
3	018·2	018·9	019·8	020·6	021·4	022·3	023·3	024·1	024·7	025·4	026·2	026·3	026·4	026·5	026·4	026·4	026·6	027·1	027·2	027·7	027·7	027·7	027·7	027·9	024·6
4	028·1	027·9	027·8	027·8	027·7	027·7	028·1	028·4	028·5	028·5	028·4	028·0	027·7	027·6	027·2	027·1	027·1	027·4	027·8	028·1	028·3	028·4	028·5	028·7	027·9
5	028·8	028·8	029·0	029·2	029·4	029·9	030·4	030·8	031·3	031·5	031·0	030·8	030·6	030·4	030·3	030·3	030·4	030·7	030·9	031·1	031·5	031·5	031·5	031·5	**030·4**
6	031·5	031·3	031·1	030·8	030·8	030·9	031·0	031·3	031·3	031·2	031·0	030·3	029·8	029·3	028·8	028·8	028·8	028·8	028·8	028·9	028·9	028·9	028·8	028·6	030·1
7	028·5	028·2	028·0	027·9	027·7	027·9	028·0	028·2	028·4	028·3	028·4	027·9	027·6	027·3	027·0	027·0	027·1	027·2	027·4	027·6	027·7	027·9	027·9	028·0	027·8
8	028·1	028·1	028·1	028·1	028·3	028·5	028·9	029·2	029·4	029·6	029·6	029·2	028·9	028·6	028·4	028·6	028·7	028·9	029·0	029·2	029·4	029·5	029·6	029·7	028·9
9	029·7	029·5	029·3	029·3	029·5	029·4	029·4	029·6	030·1	030·3	030·2	029·7	029·5	029·4	029·5	029·3	029·3	029·5	029·6	029·9	029·9	029·8	c29·5	029·3	029·6
10	029·2	028·8	028·7	028·6	028·5	028·6	028·8	029·1	029·2	029·2	028·8	028·3	027·8	027·4	026·9	026·7	026·9	027·0	027·2	027·2	027·0	269·9	027·0	027·3	028·0
11	027·4	027·1	027·0	027·1	027·0	027·1	027·4	027·9	028·3	028·4	028·4	028·1	027·8	027·6	027·5	027·2	027·3	027·4	027·5	027·8	028·1	028·4	028·7	029·1	027·7
12	029·4	029·3	028·9	029·1	028·9	028·9	028·9	029·2	029·3	029·3	028·8	028·5	028·3	028·1	028·1	027·7	027·6	027·6	027·5	027·2	027·1	026·9	026·7	026·2	028·3
13	025·7	025·2	024·9	024·2	023·8	023·5	023·3	023·1	023·0	c22·6	021·9	020·9	020·1	019·2	018·4	017·7	017·5	017·0	016·6	016·2	015·8	015·5	015·1	014·9	020·5
14	014·4	014·1	013·6	013·4	013·3	013·5	013·7	013·8	014·0	014·0	013·8	013·4	013·4	013·5	013·7	013·9	014·5	014·9	015·5	015·8	016·1	016·0	016·1	014·2	
15	016·1	016·0	015·8	015·7	015·7	015·9	016·3	016·8	016·9	016·9	016·6	016·2	015·9	015·6	015·5	015·5	015·4	015·5	016·1	016·2	016·1	016·0	015·8	015·5	016·0
16	015·3	014·6	014·4	014·2	014·0	014·0	014·2	014·6	014·6	014·7	014·6	014·2	013·7	013·5	013·0	013·0	013·1	012·9	012·7	013·0	012·9	012·2	012·0	011·3	013·7
17	010·3	010·2	009·6	009·1	008·8	008·5	008·5	008·7	008·7	009·1	008·1	008·1	008·0	007·8	007·7	007·7	007·8	007·9	008·3	008·9	010·0	010·3	010·7	011·0	008·9
18	011·1	011·3	011·1	011·4	011·5	011·8	012·1	012·4	012·6	012·7	012·6	012·0	011·8	011·6	011·3	011·2	011·5	011·6	011·7	011·7	011·6	011·5	011·4	011·3	011·7
19	011·0	010·4	010·1	009·8	009·6	009·3	009·3	009·5	009·5	009·6	009·5	009·3	009·0	009·0	008·8	009·1	009·7	010·2	010·9	011·5	012·0	012·3	012·6	010·0	
20	012·8	013·2	013·5	014·0	014·6	015·1	015·8	016·7	017·3	017·6	017·7	017·6	017·5	017·5	017·6	017·8	018·2	018·8	018·9	019·0	019·3	019·3	019·5	019·6	016·9
21	019·4	019·1	018·9	018·7	018·4	018·2	018·2	018·4	018·2	018·0	017·4	016·6	015·7	015·3	014·8	014·2	013·8	013·6	013·3	012·4	011·7	010·9	010·0	008·9	015·8
22	007·4	006·2	005·1	004·1	002·9	001·7	000·7	999·6	998·1	996·5	994·9	992·9	991·0	989·4	988·0	987·0	987·2	986·9	987·0	986·9	986·8	986·9	986·9	986·9	**994·7**
23	987·0	987·1	987·1	987·1	987·3	987·8	988·7	989·8	990·6	991·8	993·4	994·5	995·7	997·1	998·3	999·4	001·1	002·4	003·4	004·6	005·7	006·7	007·3	008·0	995·5
24	008·8	009·5	009·7	010·2	010·7	011·2	012·2	012·7	013·0	013·4	013·6	013·4	013·1	012·9	012·7	012·8	012·9	013·0	013·2	013·3	013·2	012·8	012·6	012·5	012·1
25	012·2	011·6	011·4	011·5	011·2	011·3	011·6	011·7	011·9	012·4	012·5	012·4	012·0	012·1	012·1	012·1	012·5	012·7	012·8	012·9	012·9	012·6	012·3	012·1	012·1
26	011·9	011·5	011·0	011·2	011·5	011·0	011·0	011·0	011·2	011·2	010·9	010·8	010·3	009·7	009·5	009·5	c09·8	010·0	010·3	010·2	010·2	010·0	010·0	010·0	010·6
27	009·7	009·6	009·3	009·2	008·3	008·2	008·5	008·2	008·6	008·6	008·9	008·8	008·8	008·8	009·0	008·4	009·1	009·3	009·7	010·4	010·8	011·2	011·6	011·9	009·3
28	012·0	011·8	011·4	011·0	010·5	010·0	009·7	009·7	009·8	009·8	009·6	009·2	008·5	c07·9	007·1	005·9	005·1	004·1	004·0	004·2	004·8	005·4	005·5	006·4	008·2
29	007·5	008·6	009·5	011·4	012·8	014·1	015·1	015·8	016·7	017·2	017·3	017·5	017·9	018·1	017·9	017·8	018·0	018·2	018·1	018·0	c17·4	017·2	016·8	016·0	015·4
30	015·7	015·0	014·3	013·9	013·3	012·6	012·5	012·6	012·4	012·2	011·7	010·8	010·0	009·6	009·6	009·4	009·4	009·5	009·3	009·2	009·0	008·9	008·3	008·6	011·3
31	008·2	008·0	007·8	007·8	007·9	007·7	008·2	008·5	008·7	008·8	009·4	010·9	011·3	011·9	012·9	014·5	015·9	017·4	018·6	019·9	020·5	021·6	022·4	023·0	012·7
Mean (Station level)	1016 ·77	1016 ·60	1016 ·45	1016 ·45	1016 ·40	1016 ·43	1016 ·65	1016 ·90	1017 ·02	**1017 ·07**	1016 ·92	1016 ·60	1016 ·23	1016 ·03	1015 ·84	**1015 ·75**	1015 ·95	1016 ·18	1016 ·43	1016 ·68	1016 ·87	1016 ·96	1016 ·97	1017 ·04	1016 ·54
Mean (Sea level)	1018 ·04	1017 ·88	1017 ·72	1017 ·72	1017 ·67	1017 ·71	1017 ·93	1018 ·18	1018 ·29	**1018 ·34**	1018 ·18	1017 ·86	1017 ·49	1017 ·28	1017 ·10	**1017 ·01**	1017 ·21	1017 ·44	1017 ·70	1017 ·95	1018 ·14	1018 ·23	1018 ·25	1018 ·32	0017 ·82

Station Level

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

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

Readings in millibars at exact hours, Greenwich Mean Time.

449. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **November, 1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	023·1	023·4	023·9	024·5	025·0	024·4	024·7	024·9	025·0	025·1	025·1	024·5	023·7	023·4	022·8	022·5	022·5	022·4	022·1	021·5	021·1	020·6	020·3	020·4	023·3
2	020·4	020·0	019·9	020·2	020·5	020·7	021·4	022·3	022·8	023·3	023·8	024·1	024·0	024·3	024·4	024·5	024·8	025·6	025·7	025·9	026·1	025·8	025·6	025·6	023·3
3	025·3	024·8	024·3	023·8	023·4	023·2	023·3	023·5	023·4	023·0	022·5	022·3	021·5	021·4	021·2	020·6	020·3	019·9	020·5	020·6	020·6	020·7	020·4	020·4	022·2
4	020·3	020·5	020·3	020·2	020·2	020·1	020·2	020·4	020·3	020·3	020·0	019·4	019·1	018·6	018·3	018·3	018·2	018·3	018·5	018·4	018·6	018·2	018·3	018·1	019·3
5	018·0	017·6	017·2	016·7	016·6	016·3	016·0	015·5	014·8	014·6	013·6	012·5	010·9	009·2	008·2	006·6	005·2	004·0	002·6	001·2	000·6	999·4	998·7	997·8	010·2
6	996·5	995·1	993·9	993·1	992·4	992·2	991·9	992·3	992·2	992·1	991·8	990·8	990·2	989·5	989·2	988·3	987·9	987·7	987·3	986·9	986·3	986·1	986·1	986·1	**990·5**
7	986·1	986·2	986·2	986·4	986·7	987·0	987·5	988·2	988·6	989·4	990·1	990·6	991·1	991·5	992·1	993·1	993·8	994·5	995·1	995·8	996·7	997·6	998·5	999·1	991·1
8	999·7	000·2	000·7	001·1	001·4	001·5	001·9	002·3	003·1	003·4	003·2	002·8	002·6	002·5	002·0	002·1	002·2	002·4	002·1	002·1	002·0	001·4	000·7	000·4	001·8
9	999·9	999·2	998·4	999·1	999·0	998·8	999·3	999·9	000·1	999·9	999·9	999·5	999·0	998·5	997·8	997·7	997·7	998·2	998·6	998·4	998·3	998·1	997·3	997·3	998·8
10	997·4	997·6	997·5	997·5	997·6	998·0	998·6	999·0	999·3	999·6	999·9	000·0	000·1	000·7	000·7	001·3	001·5	002·0	002·0	002·3	002·6	002·8	003·0	003·1	000·1
11	003·2	003·3	003·6	003·7	003·9	004·2	004·9	005·3	005·7	006·3	006·4	006·2	006·4	006·5	006·9	007·2	007·7	008·6	008·4	009·2	009·3	009·5	009·6	009·7	006·3
12	009·7	009·6	009·7	009·7	010·2	010·2	010·6	011·6	012·4	013·1	013·5	014·0	014·6	015·6	016·7	017·8	018·7	019·7	020·5	021·4	022·4	022·9	023·2	023·8	015·2
13	024·1	024·4	024·6	024·6	024·6	024·6	025·0	025·7	025·8	025·8	025·3	024·8	024·7	024·6	024·5	024·5	024·5	024·5	024·4	024·1	023·8	023·7	023·7	023·6	024·7
14	023·3	022·6	022·3	022·1	022·0	021·9	021·9	022·2	022·4	022·4	022·3	022·0	021·9	021·9	021·9	021·8	021·9	021·9	021·8	021·5	021·4	021·3	021·1	021·2	022·0
15	020·7	020·7	020·5	020·2	020·0	019·7	019·8	020·1	020·2	020·4	020·4	020·3	020·2	020·1	020·1	020·1	020·4	020·7	020·7	020·6	020·7	020·8	020·8	020·7	020·4
16	020·6	020·5	020·5	020·5	020·5	020·7	020·9	021·4	021·7	021·9	022·0	021·9	021·7	021·4	021·3	021·4	021·7	022·0	022·0	022·0	022·0	021·9	021·8	021·8	021·4
17	021·3	021·1	020·7	020·3	019·9	019·8	019·5	019·4	019·2	018·8	018·4	017·6	016·6	015·9	015·1	014·6	014·2	013·7	013·2	012·4	012·1	011·4	011·1	010·4	016·8
18	009·7	009·2	008·7	007·9	007·5	006·9	006·8	006·5	006·3	006·0	005·0	004·2	003·6	002·9	002·8	002·6	002·6	002·6	002·7	002·7	002·8	002·7	002·6	002·6	005·1
19	002·5	002·4	002·0	001·5	001·3	001·0	000·7	000·3	999·9	999·8	999·4	998·9	998·4	998·1	997·9	998·1	998·5	998·9	999·6	000·2	000·7	001·1	001·4	001·8	000·2
20	001·9	001·9	001·7	001·9	002·2	002·2	002·1	002·3	002·1	002·1	001·4	000·5	999·3	998·6	997·6	996·6	995·6	995·2	995·1	994·9	994·6	994·6	994·8	995·1	999·1
21	995·1	995·5	995·8	996·3	996·7	996·9	997·5	998·5	999·0	999·9	999·9	000·3	000·6	000·9	001·5	002·0	003·0	003·7	004·4	004·9	005·7	006·2	006·7	007·3	000·5
22	007·9	008·6	009·1	009·2	009·5	009·8	010·5	011·2	011·5	011·6	011·6	011·4	011·1	010·7	010·7	010·9	011·2	011·4	011·4	011·4	011·5	011·5	011·3	011·8	010·6
23	011·2	011·4	011·3	011·4	011·4	011·6	011·9	012·5	012·9	012·9	012·9	012·8	012·7	012·3	012·5	012·5	012·5	012·4	012·6	011·6	011·3	011·0	010·6	010·2	011·9
24	009·7	009·8	009·6	009·3	009·0	008·9	009·0	009·5	010·0	010·3	010·6	010·8	011·1	012·6	013·1	014·1	014·8	015·6	016·3	017·4	018·3	019·0	019·9	020·5	012·7
25	021·2	021·8	022·9	023·5	024·4	025·0	026·0	027·2	028·1	028·9	029·6	030·1	030·5	030·8	c31·1	031·3	031·6	032·2	c33·0	033·1	033·4	033·5	033·8	033·8	028·8
26	033·6	033·6	033·6	033·6	033·4	033·1	033·0	033·3	033·5	033·3	032·6	032·0	c31·4	030·8	030·3	030·1	029·6	029·2	028·9	028·6	028·1	027·8	027·2	026·6	**031·3**
27	025·5	025·0	024·6	023·7	023·7	023·4	023·3	023·6	023·7	024·0	023·7	023·2	023·3	023·5	023·3	023·7	024·8	024·9	025·5	025·8	026·0	026·5	026·5	026·7	024·5
28	026·3	027·0	027·3	027·6	027·5	027·6	027·8	027·9	027·9	027·9	027·6	027·0	026·6	025·8	025·3	024·9	024·5	024·2	024·0	023·7	023·1	022·7	022·6	022·1	025·9
29	021·6	021·3	020·7	019·9	019·2	018·8	018·7	018·6	018·5	018·8	019·1	019·1	018·9	019·1	019·7	021·0	021·9	022·2	022·5	023·1	023·7	024·0	024·7	024·7	020·8
30	024·9	025·4	025·8	026·1	026·3	026·4	026·4	026·9	027·2	027·6	027·8	027·4	027·1	026·7	026·7	026·8	026·5	026·4	026·1	025·8	025·8	025·4	025·0	024·6	026·3
Mean (Station level)	1013 ·36	1013 ·32	1013 ·24	1013 ·19	1013 ·20	**1013 ·16**	1013 ·37	1013 ·73	1013 ·92	**1014 ·08**	1014 ·00	1013 ·72	1013 ·45	1013 ·28	1013 ·19	1013 ·23	1013 ·34	1013 ·50	1013 ·57	1013 ·59	1013 ·66	1013 ·61	1013 ·58	1013 ·58	1013 ·50
Mean (Sea level)	1014 ·64	1014 ·61	1014 ·53	1014 ·48	1014 ·49	**1014 ·45**	1014 ·66	1015 ·03	1015 ·21	**1015 ·37**	1015 ·28	1015 ·00	1014 ·73	1014 ·56	1014 ·47	1014 ·51	1014 ·62	1014 ·78	1014 ·85	1014 ·88	1014 ·95	1014 ·90	1014 ·86	1014 ·86	1014 ·78

Station Level

450. Richmond (Kew Observatory) : H_b = 10·4 metres. **December, 1927.**

	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	024·3	024·0	023·8	023·8	023·7	023·8	024·0	024·1	c24·0	023·9	023·7	023·7	023·6	023·2	023·1	023·2	023·3	023·4	023·2	023·4	023·3	023·3	023·1	022·9	023·6
2	022·5	022·5	022·5	022·5	022·3	022·2	022·2	022·5	022·7	c23·0	022·8	022·6	022·2	022·1	021·9	021·9	022·0	022·0	022·2	022·3	022·3	022·2	022·2	022·2	022·3
3	022·0	021·6	021·2	020·8	020·3	019·7	019·6	019·4	019·3	019·1	018·3	017·4	016·6	016·0	015·7	015·5	015·1	014·7	014·4	014·1	013·7	013·4	013·1	012·7	017·4
4	012·3	011·9	011·9	011·6	011·4	011·3	011·3	011·3	011·5	011·5	011·1	010·7	010·3	009·7	009·4	009·4	009·4	009·4	009·4	009·5	009·5	009·4	009·5	009·2	010·6
5	008·7	008·3	008·3	008·2	008·1	007·6	007·9	007·6	007·7	007·6	006·6	005·7	004·9	003·9	003·4	003·4	002·8	002·5	002·0	001·7	001·3	000·7	000·6	000·6	005·2
6	000·5	000·5	000·5	000·3	000·1	000·2	000·3	000·9	001·1	c01·5	001·8	c01·8	001·7	001·9	002·1	002·8	003·0	003·4	003·7	003·9	004·2	004·6	004·8	004·9	002·0
7	005·0	005·4	005·6	005·7	005·8	006·1	006·3	007·1	007·8	008·2	008·5	008·7	008·8	009·1	009·7	010·3	010·9	011·1	011·4	011·6	011·6	011·7	011·7	011·8	008·6
8	011·6	011·8	012·0	011·9	011·9	011·9	012·0	012·2	012·1	012·2	011·9	011·8	011·7	011·3	011·5	011·7	011·8	011·7	011·6	012·0	012·2	011·9	011·9	011·8	011·9
9	011·7	011·8	011·8	012·0	011·9	012·0	012·0	012·4	012·7	012·9	012·6	012·6	012·5	012·5	012·7	013·3	013·3	013·6	013·8	014·1	014·3	014·6	014·6	014·7	012·9
10	015·1	015·3	015·4	015·5	015·6	015·7	015·8	016·0	016·5	016·7	016·3	016·2	016·2	016·0	016·0	016·0	016·0	016·0	015·7	015·6	015·8	016·1	016·1	016·1	015·9
11	015·4	015·2	015·4	015·0	014·3	014·0	013·8	013·9	014·3	014·4	014·0	013·4	012·6	012·1	011·5	011·4	011·1	010·9	010·7	010·6	010·4	010·3	009·9	009·4	012·8
12	008·7	008·6	008·6	008·3	007·9	007·7	007·9	008·1	008·3	008·3	008·3	007·9	007·5	007·5	007·8	007·8	008·0	008·2	008·4	c08·5	008·5	008·9	009·0	c09·1	c08·2
13	009·2	009·2	009·0	008·9	009·2	009·2	009·4	009·6	009·6	009·7	009·6	009·0	008·5	008·4	008·5	008·5	007·9	007·8	007·6	007·2	006·9	006·6	006·5	005·8	008·5
14	005·1	004·8	004·1	003·7	003·2	002·8	002·7	002·9	003·1	003·2	003·1	002·9	002·7	002·2	002·2	002·0	001·8	001·9	002·1	002·3	002·2	002·4	002·4	002·9	002·9
15	002·2	002·5	002·6	003·3	004·2	005·7	007·0	008·8	009·7	010·8	012·1	012·7	013·6	014·7	015·5	016·5	017·5	018·5	018·8	020·1	020·9	021·6	022·2	022·9	012·3
16	023·4	024·3	024·6	025·3	025·4	025·5	026·1	027·0	027·9	028·2	028·4	028·3	028·2	028·3	028·3	029·2	029·5	029·7	030·4	030·7	030·8	031·1	031·4	031·6	027·9
17	031·5	031·3	030·9	031·0	030·7	030·7	030·8	030·8	030·9	031·3	031·3	031·2	031·1	031·0	031·1	031·6	031·8	031·8	031·8	032·1	032·4	032·4	032·6	032·8	031·4
18	032·7	032·6	032·5	032·6	032·4	032·4	032·4	032·7	033·0	032·6	032·4	032·0	031·9	031·6	031·4	031·1	031·0	030·6	030·4	030·2	029·7	029·4	029·2	028·8	**031·6**
19	028·5	028·3	027·9	027·4	027·0	026·3	026·1	026·1	025·9	025·5	024·4	023·1	021·9	021·4	021·1	020·8	020·1	019·3	018·6	018·2	018·0	017·8	017·2	016·8	023·1
20	016·5	016·0	015·8	015·4	015·2	015·1	015·4	015·3	015·5	015·4	015·1	014·4	013·6	013·0	013·4	012·8	012·2	012·2	011·6	010·9	010·5	009·9	009·1	008·3	013·6
21	006·6	005·6	004·7	004·3	003·1	002·1	001·6	001·2	001·0	000·7	000·5	999·8	999·5	999·3	999·1	999·2	999·2	998·9	998·8	998·3	997·3	996·5	995·2	993·5	000·6
22	991·5	989·5	987·2	984·5	981·8	979·7	978·3	977·6	977·1	976·9	976·4	975·4	974·0	972·8	972·0	971·2	970·5	969·6	969·2	969·3	969·1	968·4	967·7	967·0	**976·3**
23	968·1	969·7	970·4	970·5	970·6	971·1	971·8	973·2	974·8	976·1	977·2	978·1	978·9	980·1	981·4	982·9	983·8	984·9	985·6	986·1	986·8	987·3	987·9	988·3	978·1
24	988·7	989·1	989·3	989·2	989·2	989·3	989·5	990·0	990·5	990·9	991·0	990·8	990·7	990·9	991·1	991·2	991·3	991·2	991·4	991·6	991·8	991··	991·3	991·1	990·5
25	991·0	990·4	990·2	989·7	989·0	988·4	987·9	987·3	986·9	986·5	985·7	985·1	984·9	984·9	985·5	985·8	986·4	987·2	987·8	988·2	989·c	989·3	989·5	989·9	987·8
26	990·2	991·1	991·7	992·0	992·5	993·2	994·1	995·2	996·1	996·9	997·9	998·2	998·7	999·4	000·3	001·3	002·3	003·0	004·1	005·2	006·1	006·9	007·7	008·8	998·5
27	009·7	010·9	012·1	013·0	014·1	015·1	016·4	017·7	018·8	019·9	020·7	021·4	021·8	022·5	023·6	024·3	025·2	026·0	027·0	027·6	028·0	028·7	028·9	029·1	020·5
28	029·4	029·6	029·9	030·2	030·5	030·8	031·4	031·9	032·6	032·8	032·5	032·2	031·9	031·8	031·8	031·9	031·9	031·5	031·5	031·2	030·0	030·5	029·9	029·3	031·2
29	028·6	028·3	027·5	026·8	026·4	026·0	025·4	025·4	025·4	025·2	024·6	023·6	023·1	022·5	022·3	022·2	022·3	021·9	021·9	021·9	021·8	021·7	021·4	021·5	024·2
30	021·2	021·0	020·8	020·7	020·4	020·2	020·4	020·7	020·8	021·0	020·9	020·6	020·2	020·2	020·1	020·0	020·0	020·1	020·2	020·3	020·4	020·3	020·2	020·2	020·5
31	020·1	020·3	020·3	020·5	020·4	020·4	020·4	020·4	020·6	020·6	020·1	019·7	019·5	019·3	019·5	019·3	019·4	019·6	020·0	020·4	021·0	021·8	022·3	023·4	020·3
Mean (Station level)	1011 ·35	1011 ·33	1011 ·24	1011 ·12	1010 ·92	**1010 ·85**	1010 ·97	1011 ·27	1011 ·55	**1011 ·73**	1011 ·61	1011 ·32	1011 ·07	1010 ·95	1011 ·07	1011 ·24	1011 ·32	1011 ·36	1011 ·45	1011 ·58	1011 ·65	1011 ·64	1011 ·58	1011 ·50	1011 ·32
Mean (Sea level)	1012 ·66	1012 ·64	1012 ·54	1012 ·42	1012 ·23	**1012 ·15**	1012 ·28	1012 ·57	1012 ·86	**1013 ·03**	1012 ·91	1012 ·62	1012 ·37	1012 ·24	1012 ·36	1012 ·54	1012 ·62	1012 ·66	1012 ·75	1012 ·89	1012 ·95	1012 ·95	1012 ·89	1012 ·80	1012 ·62
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

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

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS FROM HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

451. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb. 012·26	mb. 012·15	mb. 011·99	mb. 011·91	mb. 011·91	mb. 011·98	mb. 012·12	mb. 012·30	mb. 012·40	mb. **012·46**	mb. 012·35	mb. 012·14	mb. 011·94	mb. 011·80	mb. 011·71	mb. **011·68**	mb. 011·71	mb. 011·82	mb. 011·98	mb. 012·18	mb. 012·35	mb. 012·39	mb. 012·40	mb. 012·38	mb. 012·09
Sea Level	013·53	013·42	013·27	013·19	013·19	013·25	013·39	013·57	013·67	**013·73**	013·61	013·40	013·20	013·05	012·96	**012·93**	012·97	013·08	013·24	013·45	013·62	013·66	013·67	013·65	013·36

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

452. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1927.**

Month	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1008·71	+0·28	+0·30	+0·25	+0·10	+0·02	−0·07	−0·01	+0·20	+0·41	**+0·52**	+0·35	−0·20	−0·62	**−0·79**	−0·69	−0·54	−0·38	−0·24	−0·14	+0·03	+0·19	+0·29	+0·37	+0·35
Feb.	**1016·98**	+0·27	+0·15	−0·17	−0·20	−0·20	−0·23	−0·08	+0·11	+0·26	**+0·37**	+0·37	+0·25	+0·01	−0·29	−0·45	**−0·47**	−0·37	−0·23	−0·11	−0·02	+0·15	+0·24	+0·30	+0·31
Mar.	1006·21	**+0·44**	+0·28	+0·04	−0·11	−0·03	+0·01	+0·11	+0·22	+0·28	+0·33	+0·21	+0·01	−0·28	−0·44	−0·60	**−0·70**	−0·62	−0·37	−0·11	+0·05	+0·20	+0·31	+0·37	+0·40
April	1013·02	−0·14	−0·30	**−0·45**	−0·45	−0·35	−0·03	+0·21	+0·45	+0·62	**+0·69**	+0·57	+0·39	+0·25	+0·06	−0·23	−0·33	−0·43	−0·44	−0·31	−0·08	+0·08	+0·11	+0·09	+0·01
May	1016·71	+0·34	+0·18	−0·02	−0·12	−0·02	+0·17	+0·31	+0·35	+0·28	+0·25	+0·09	−0·06	−0·21	−0·37	−0·53	−0·65	**−0·69**	−0·54	−0·36	−0·04	+0·28	+0·41	**+0·50**	+0·49
June	1011·94	−0·18	−0·22	**−0·29**	−0·28	−0·23	−0·05	+0·07	+0·17	+0·20	+0·24	+0·17	+0·12	+0·06	+0·05	+0·01	−0·07	−0·16	−0·15	−0·05	+0·02	**+0·27**	+0·24	+0·09	0·00
July	1011·52	+0·31	+0·16	+0·04	−0·08	−0·08	−0·03	+0·02	+0·03	−0·05	−0·10	−0·15	−0·23	−0·26	−0·23	−0·21	−0·30	**−0·38**	−0·35	−0·18	+0·09	+0·40	+0·51	**+0·59**	+0·49
Aug.	1010·91	+0·21	+0·05	−0·15	−0·31	−0·26	−0·12	0·00	+0·12	+0·12	+0·10	−0·02	−0·13	−0·21	−0·30	−0·33	−0·34	**−0·35**	−0·23	−0·02	+0·33	**+0·52**	+0·47	+0·46	+0·40
Sept.	**1008·20**	+0·17	+0·01	−0·22	−0·31	−0·34	−0·23	−0·04	+0·19	+0·34	**+0·45**	+0·33	+0·17	+0·05	−0·07	−0·23	−0·41	**−0·42**	−0·33	−0·15	+0·16	+0·21	+0·15	+0·20	+0·28
Oct.	1016·54	+0·33	+0·15	−0·01	−0·02	−0·08	−0·05	+0·16	+0·39	+0·51	**+0·55**	+0·38	+0·05	−0·32	−0·54	−0·73	**−0·83**	−0·64	−0·42	−0·18	+0·06	+0·23	+0·32	+0·32	+0·38
Nov.	1013·50	−0·11	−0·15	−0·23	−0·29	−0·28	**−0·32**	−0·11	+0·25	+0·43	**+0·59**	+0·51	+0·22	−0·05	−0·22	−0·31	−0·27	−0·16	−0·01	+0·06	+0·08	+0·15	+0·09	+0·06	+0·06
Dec.	1011·32	+0·02	0·00	−0·09	−0·22	−0·41	**−0·49**	−0·35	−0·06	+0·23	**+0·40**	+0·28	0·00	−0·25	−0·37	−0·25	−0·07	+0·01	+0·05	+0·14	+0·28	+0·34	+0·34	+0·28	+0·20
Year	1012·09	+0·16	+0·05	−0·11	−0·19	−0·19	−0·12	+0·02	+0·20	+0·30	**+0·37**	+0·26	+0·05	−0·15	−0·29	−0·38	**−0·41**	−0·38	−0·27	−0·12	+0·08	+0·25	+0·29	+0·30	+0·28

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

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

453. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	025·0	022·9	005·4	997·8	001·1	992·5	019·2	**991·4**	021·9	018·9	007·6	002·8	998·6	**991·1**	015·0	011·6	020·9	018·8	015·7	006·2	025·2	020·3	024·6	022·9
2	023·3	017·6	025·3	001·7	007·7	000·6	019·5	008·9	018·9	009·7	013·4	007·5	007·5	994·4	025·3	014·7	023·4	020·7	017·2	005·6	026·2	019·8	023·0	021·8
3	017·6	006 2	027·6	025·3	011·6	002·6	016·0	007·8	011·6	009·8	018·9	013·4	009·3	007·4	**026·7**	024·2	023·2	020·1	027·8	017·2	025·7	019·8	022·2	012·7
4	022·0	007·5	031·7	020·1	008·4	996·5	016·1	005·1	010·0	005·9	018·5	015·5	007·9	006·5	025·0	018·5	020·1	014·2	028·8	027·0	020·6	018·1	012·7	009·1
5	022·4	013·9	031·7	022·2	996·6	987·0	006·9	000·6	016·3	006·7	016·0	004·4	011·7	001·3	018·6	009·2	014·3	011·8	**031·6**	028·6	018·2	997·8	009·2	000·6
6	015·2	006·7	033·4	022·9	997·1	988·8	007·8	996·8	022·6	015·6	015·4	004·5	013·0	008·2	009·3	002·6	012·8	009·4	**031·6**	028·6	997·8	**986·0**	004·9	000·0
7	014·3	004·3	033·8	028·1	994·9	988·3	006·4	993·6	023·7	020·4	014·8	008·7	009·4	005·8	005·7	002·2	020·8	011·1	028·6	026·9	999·1	**986·0**	011·8	004·9
8	024·9	014·3	031·8	030·6	998·8	991·8	000·7	997·8	021·1	017·2	017·5	008·6	009·9	006·5	005·2	002·4	020·8	008·5	029·7	028·0	003·5	999·1	012·3	011·2
9	030·9	021·2	032·9	030·0	000·7	998·3	998·8	996·0	021·0	016·9	018·4	017·0	006·5	999·9	007·5	002·6	010·9	007·1	030·3	029·2	000·4	997·2	014·7	011·5
10	**031·7**	029·8	034·0	031·3	006·5	000·4	010·9	998·8	028·7	021·0	017·1	012·1	013·9	004·2	009·8	007·3	010·3	001·9	029·3	026·7	003·3	997·3	016·8	014·7
11	031·3	020·2	031·5	029·3	017·9	006·5	021·2	010·9	**030·1**	025·8	014·3	011·3	016·5	013·8	010·7	009·5	013·7	003·0	029·1	026·9	009·8	003·1	015·7	009·4
12	020·3	995·9	029·5	025·2	020·5	017·9	**027·8**	021·2	025·8	019·4	016·2	013·5	015·8	014·4	010·6	007·5	018·0	013·7	029·5	026·2	023·8	009·6	009·4	007·4
13	996·0	985·4	031·7	026·4	019·7	014·9	027·2	017·6	023·3	020·7	016·9	014·6	017·9	015·6	011·6	007·8	017·9	009·7	026·2	014·9	026·0	023·6	009·8	005·8
14	986·3	**935·1**	**034·7**	031·4	024·6	016·4	017·6	004·9	020·7	012·8	018·7	014·7	021·3	017·4	007·9	002·5	009·9	002·9	016·2	013·1	023·6	021·1	005·8	001·8
15	994·9	986·0	034·6	032·1	028·8	024·6	019·4	004·8	012·8	010·3	022·2	018·5	023·0	021·1	003·1	998·4	002·9	999·0	017·0	015·3	021·2	019·7	022·9	002·2
16	998·0	994·9	032·1	027·8	028·7	019·6	024·9	019·2	010·8	008·5	021·2	009·9	023·1	020·5	011·3	998·5	002·3	000·9	015·5	011·2	022·1	020·4	031·6	022·9
17	997·2	993·9	027·9	023·5	022·0	017·4	025·9	024·0	021·8	009·1	009·9	004·5	020·6	017·6	011·5	004·7	006·7	998·7	011·3	007·6	021·8	010·4	032·8	030·6
18	013·0	996·2	024·0	022·0	027·9	021·7	027·0	024·7	023·9	020·9	010·8	994·5	022·4	018·3	004·9	999·3	007·1	002·9	012·8	010·9	010·4	002·5	**033·0**	028·7
19	016·3	012·9	026·2	022·8	**029·5**	027·7	025·7	023·1	023·5	021·0	012·8	**993·7**	**023·2**	021·7	013·4	999·9	007·6	002·2	012·6	008·6	002·6	997·9	028·8	016·8
20	015·4	005·7	022·8	004·3	029·2	023·6	025·4	021·9	023·3	013·0	020·8	012·8	022·6	016·9	013·6	002·1	011·9	007·3	019·6	012·5	002·4	994·5	016·9	008·3
21	005·7	002·0	004·5	997·1	023·6	011·6	021·9	018·5	013·0	007·2	020·2	016·7	016·9	007·7	002·4	997·8	007·7	000·1	019·6	008·9	007·3	995·0	008·3	993·5
22	003·9	999·8	997·1	987·0	011·6	004·5	019·1	007·9	024·0	010·5	**023·4**	018·9	007·8	003·4	002·2	**995·9**	000·1	991·3	008·9	**986·8**	011·8	007·3	993·5	**967·0**
23	012·2	002·6	993·4	987·2	004·5	988·1	012·8	006·2	026·0	024·0	018·9	014·4	014·6	005·0	011·7	002·2	994·8	**976·2**	008·0	986·9	013·0	010·2	988·3	**967·0**
24	014·0	010·5	996·9	**936·5**	991·7	987·7	011·7	001·8	026·1	022·2	015·5	003·5	017·0	014·6	012·9	010·7	989·1	979·2	013·7	008·0	020·5	008·7	991·9	988·3
25	017·2	009·5	997·3	989·5	989·5	**975·0**	002·0	994·5	022·5	019·4	014·6	998·9	017·6	016·0	022 8	012·4	997·6	988·7	013·0	011·0	**033·9**	020·5	991·1	984·8
26	017·3	005·5	001·2	991·0	992·6	976·6	016·5	999·1	020·7	019·0	003·9	995·7	016·1	008·8	023·4	020·6	007·7	997·6	012·1	009·3	033·8	026·6	008·8	989·9
27	021·2	012·7	001·6	**989·1**	002·8	992·5	018·0	016·4	020·1	015·2	010·5	003·9	008·8	999·8	020·6	017·1	021·6	007·7	011·9	007·9	026·7	023·1	029·2	008·8
28	020·9	999·4	001·4	989·7	008·1	002·8	019·9	015·8	015·2	011·9	011·4	010·0	007·4	999·8	018·0	016·6	**023·8**	018·8	012·1	003·9	028·0	022·1	032·9	029·0
29	999·5	988·8	—	—	006·4	000·8	019·1	014·1	012·2	009·4	010·1	005·0	012·3	007·4	023·8	016·2	018·9	003·8	018·3	006·4	024·8	018·5	029·3	021·4
30	997·6	991·1	—	—	012·6	999·9	021·3	018·8	010·3	004·0	005·1	998·6	013·6	010·6	025·0	023·4	016·4	010·2	016·0	008·3	027·9	024·6	021·5	019·9
31	997·8	992·9	—	—	014·9	991·3	—	—	005·2	**002·6**	—	—	015·1	013·5	023·9	019·2	—	—	023·0	007·6	—	—	023·4	019·2
Mean	1013 ·01	1004 ·37	1020 ·57	1013 ·50	1010 ·66	1002 ·19	1016 ·89	1008 ·74	1019 ·58	1014 ·48	1015 ·17	1008 ·27	1014 ·24	1009 ·33	1013 ·98	1008 ·31	1011 ·77	1004 ·58	1019 ·90	1013 ·43	1017 ·05	1010 ·03	1015 ·39	1007 ·49

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.

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

454. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

January, 1927.

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	77·8	76·9	76·7	77·1	76·1	75·7	75·4	75·7	75·6	76·6	77·7	79·0	79·1	79·5	80·6	80·6	80·1	79·9	79·2	78·5	77·9	78·0	78·5	78·9	78·0
2	79·1	79·8	80·0	80·0	80·0	80·1	80·3	80·3	80·3	80·9	80·9	81·2	81·5	81·5	81·5	81·0	80·9	80·9	80·8	80·6	80·4	80·2	80·0	80·2	80·5
3	80·5	80·7	80·4	80·5	80·4	80·6	80·9	80·9	81·0	81·5	82·1	81·9	81·9	81·6	79·5	79·4	79·0	78·9	78·6	77·9	77·1	76·3	76·0	75·2	79·8
4	75·4	75·1	74·9	74·6	74·0	74·2	74·3	73·8	74·5	75·4	77·0	77·7	78·0	78·1	78·0	78·1	76·7	76·6	75·9	75·6	75·8	75·1	75·1	75·6	75·8
5	75·6	75·5	75·4	75·1	75·0	75·1	75·7	75·5	75·5	76·3	77·6	78·8	79·9	80·4	80·9	80·4	79·8	79·1	79·5	78·9	78·0	77·6	77·5	76·3	77·5
6	76·8	77·2	77·6	77·9	79·1	79·8	80·0	80·0	80·6	81·5	82·3	83·5	84·0	84·0	83·3	82·4	81·6	81·5	80·9	80·6	80·8	80·4	79·7	79·3	80·6
7	79·0	79·8	79·4	78·7	77·7	77·0	76·8	76·4	76·1	77·0	78·7	79·3	80·3	80·7	80·4	80·0	79·0	78·9	78·9	78·9	79·0	79·6	79·9	79·4	78·8
8	78·9	77·9	77·6	77·2	76·7	76·6	76·1	75·2	74·4	75·0	76·4	77·7	79·3	79·7	79·9	80·0	79·9	80·0	80·0	80·9	81·4	82·1	82·3	83·3	78·6
9	82·7	82·9	83·8	83·4	82·4	81·9	80·4	80·6	81·4	82·0	82·5	82·5	83·4	84·5	84·4	84·5	83·9	82·9	81·8	81·9	81·8	81·5	82·1	82·5	**82·6**
10	82·4	82·7	82·4	83·3	82·9	82·6	82·2	81·6	81·3	81·4	81·8	82·4	82·4	82·0	81·7	81·5	80·8	80·6	80·0	79·4	78·8	78·2	78·6	78·4	81·3
11	78·1	79·4	79·8	79·9	79·7	79·9	80·0	80·0	80·1	80·8	81·1	81·8	81·6	81·6	81·6	81·9	82·2	82·4	82·5	82·8	82·8	82·9	82·9	82·9	81·1
12	83·0	83·0	83·1	82·5	81·4	81·0	80·4	80·3	80·5	80·8	81·4	82·2	82·5	82·8	82·5	82·6	82·1	82·0	81·6	81·6	82·1	82·3	82·3	81·1	81·9
13	80·9	80·9	79·9	79·3	78·4	77·9	77·2	76·6	76·7	76·9	77·7	78·3	77·4	77·7	77·7	77·0	76·3	75·4	75·8	76·4	75·6	75·4	76·0	76·4	77·5
14	76·5	76·9	77·7	78·7	78·6	78·6	78·6	79·0	79·3	79·3	79·4	79·2	79·3	79·7	79·0	78·0	77·9	77·4	77·8	77·8	77·8	77·4	77·0	76·9	78·2
15	76·3	76·4	76·1	75·7	75·0	74·0	73·9	73·3	73·7	74·7	76·4	77·8	78·8	79·7	79·5	78·6	76·6	75·3	74·5	74·5	71·5	71·3	70·9	72·9	75·4
16	73·6	73·8	73·9	73·4	72·9	72·2	71·7	71·6	73·0	74·4	75·8	76·9	78·0	79·2	79·3	78·1	76·9	76·2	76·4	76·3	75·3	75·4	74·3	73·4	75·1
17	71·2	73·2	72·0	71·5	70·9	71·3	71·6	71·4	72·4	73·4	74·3	75·4	76·2	76·1	76·6	76·8	75·6	75·4	75·8	76·1	76·4	76·4	76·4	76·3	74·2
18	76·5	75·4	75·7	74·5	74·6	75·2	75·3	75·4	75·2	75·7	76·8	77·9	77·6	77·4	77·9	78·0	77·4	76·5	76·6	76·2	76·0	76·0	75·5	75·0	76·2
19	74·9	74·5	74·0	73·3	73·1	72·6	72·4	72·5	73·2	73·7	74·9	76·3	77·0	77·9	77·6	77·4	77·2	77·0	76·7	75·8	74·3	73·9	73·5	73·0	74·9
20	72·9	72·5	71·9	71·6	70·6	70·4	70·4	69·9	70·1	71·0	72·8	74·1	75·5	76·4	76·0	76·0	75·3	75·0	74·7	75·0	74·6	74·4	75·0	74·9	**73·3**
21	74·6	74·6	74·5	74·1	74·0	73·9	73·8	73·8	73·9	74·2	75·0	75·2	75·7	76·2	76·3	75·4	74·5	73·9	73·1	72·9	72·6	72·6	72·8	73·0	74·2
22	73·0	72·6	72·0	71·7	71·6	71·5	71·5	71·7	73·0	74·0	74·8	74·7	74·0	75·0	75·6	75·7	75·1	75·3	74·4	75·5	75·6	75·6	75·7	75·6	73·9
23	75·7	75·8	75·2	75·3	75·4	75·0	73·6	73·2	73·4	73·4	74·2	75·3	75·6	75·5	75·7	75·9	75·6	75·4	75·3	75·3	75·1	74·4	73·5	74·0	74·9
24	73·5	73·3	73·3	73·8	74·0	74·4	74·8	75·2	76·0	78·5	79·9	80·5	80·6	81·6	81·5	80·6	80·1	80·0	80·9	81·5	81·8	81·8	81·7	81·9	78·2
25	81·8	81·9	81·9	81·9	82·2	82·1	82·3	82·4	82·4	82·8	83·0	82·9	83·1	83·0	83·1	82·9	82·3	82·0	81·8	81·5	80·8	80·1	79·8	79·5	82·0
26	79·4	79·9	80·4	80·7	80·8	80·8	81·2	80·8	81·1	82·2	82·9	83·1	82·9	82·3	81·8	82·4	82·5	82·0	80·5	80·3	79·6	79·3	79·2	78·9	81·1
27	78·6	78·6	79·1	80·3	81·0	81·0	81·0	80·9	81·4	82·3	81·1	83·0	82·5	82·9	81·9	81·0	80·2	79·4	79·2	79·1	78·9	78·9	78·9	78·7	80·4
28	78·8	78·9	79·5	79·9	79·6	79·9	80·0	80·8	81·3	82·3	82·0	82·6	83·0	83·2	83·1	82·9	82·6	82·6	82·5	82·4	82·1	82·2	82·1	81·1	81·4
29	81·3	81·0	81·2	81·7	80·6	80·7	81·5	81·4	80·9	80·2	80·4	80·8	81·7	80·5	80·3	79·9	78·9	78·1	77·9	78·1	77·8	77·3	76·9	77·3	79·9
30	77·3	77·1	76·9	76·9	76·6	76·4	77·0	77·8	78·3	79·0	79·8	80·3	81·1	80·8	79·0	78·4	78·3	77·7	77·4	77·5	77·6	77·4	77·3	77·3	78·1
31	77·0	76·9	76·8	76·7	76·4	76·3	75·4	75·3	75·6	76·6	78·5	79·5	80·4	80·4	79·5	79·0	78·0	77·6	77·0	76·5	76·4	76·9	76·9	71·1	77·4
Mean	77·5	77·6	77·5	77·5	77·1	77·1	77·0	**76·9**	77·2	77·9	78·7	79·4	79·8	**80·1**	79·9	79·6	78·9	78·6	78·3	78·3	77·9	77·8	77·7	77·6	78·2

455. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1927.

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

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

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

456. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

March, 1927.

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	82·6	82·1	81·6	81·9	81·8	81·4	81·0	81·0	82·3	82·8	83·7	84·0	83·9	84·3	84·0	83·9	83·3	82·8	81·8	80·8	80·6	80·7	80·9	80·8	82·3
2	80·5	80·6	80·3	79·7	79·6	79·7	78·9	79·7	80·6	81·9	83·0	83·8	84·4	84·9	84·5	83·8	82·9	82·3	82·4	82·7	82·6	82·4	81·6	81·1	81·8
3	80·7	80·6	80·4	80·1	79·8	79·5	79·2	79·4	80·2	81·0	82·0	82·3	82·9	83·5	83·5	82·9	82·9	82·5	81·0	81·6	81·8	81·6	81·3	81·8	81·3
4	81·4	81·8	81·9	82·5	82·7	82·7	82·6	82·3	82·8	82·7	83·4	83·2	83·4	83·9	83·8	83·6	82·8	82·1	81·7	81·0	80·9	80·8	80·9	81·0	82·3
5	80·4	79·8	79·4	79·5	79·8	80·0	79·8	80·5	80·8	81·3	81·9	81·8	82·4	82·5	83·0	**82·0**	80·8	80·8	80·9	80·6	80·3	80·5	80·6	80·8	80·8
6	80·7	80·3	80·0	80·0	79·9	79·6	79·1	79·5	80·0	80·8	81·8	82·1	82·2	82·2	82·9	82·2	81·8	80·9	80·2	80·0	79·7	79·4	79·4	79·4	80·6
7	79·3	79·2	79·5	79·8	79·9	78·7	78·8	79·1	79·7	80·0	80·0	80·4	81·2	81·4	82·3	81·6	82·6	81·5	80·4	80·1	79·2	78·3	78·0	77·8	80·0
8	77·9	78·1	77·9	77·5	77·8	77·7	77·7	78·7	80·1	81·0	81·9	81·8	82·8	83·0	81·8	82·1	82·0	81·0	80·8	80·0	79·3	78·2	77·7	77·5	79·8
9	76·7	76·0	75·4	75·0	74·1	74·0	74·5	75·8	77·1	78·9	81·0	82·7	83·0	82·8	82·1	81·0	79·5	78·7	78·4	78·8	79·0	78·9	78·8	78·5	78·3
10	78·5	78·2	77·9	77·0	76·5	77·0	77·2	77·7	79·0	80·0	80·4	80·4	81·5	81·2	82·0	81·8	80·7	79·5	78·5	78·1	77·2	76·7	76·4	76·7	78·8
11	74·9	74·6	74·0	73·9	73·0	73·8	75·1	76·0	76·7	77·5	78·6	80·3	80·8	81·0	80·7	80·5	80·0	79·2	78·8	78·4	78·1	78·0	77·4	76·7	**77·4**
12	76·0	75·9	76·1	76·4	76·2	76·6	76·8	77·2	77·8	79·1	79·9	79·5	80·2	80·9	80·4	79·8	79·5	78·9	79·1	78·2	77·6	76·5	76·2	76·5	78·0
13	76·9	76·8	76·7	77·0	77·1	76·9	77·2	77·5	78·1	78·9	79·5	79·9	80·0	80·6	81·0	80·1	79·4	78·8	78·6	78·0	77·8	77·7	77·5	77·4	78·3
14	77·3	77·1	76·9	77·0	76·9	76·8	76·7	76·9	77·1	77·3	77·5	77·6	77·9	78·1	78·3	78·3	78·1	78·0	78·0	78·0	77·8	77·7	77·6	77·8	77·5
15	77·4	77·1	77·2	77·0	77·0	76·6	76·7	77·6	79·1	80·1	81·0	81·5	82·0	82·3	82·4	81·9	81·1	79·5	79·0	78·1	77·0	77·0	76·4	75·2	78·8
16	75·1	74·6	75·2	75·0	74·6	75·0	74·6	76·0	78·6	80·7	82·4	83·7	84·8	84·9	84·9	84·8	82·9	81·7	80·5	80·0	79·5	79·1	78·2	78·3	79·3
17	78·4	78·3	77·3	77·7	77·2	76·9	77·0	78·0	80·7	82·4	83·9	85·2	86·9	87·3	87·4	87·1	85·3	83·3	81·9	81·4	81·4	81·6	82·0	81·5	81·6
18	81·2	81·3	80·4	80·5	81·6	81·6	81·4	82·5	83·4	83·6	83·9	85·3	85·9	85·9	86·5	87·1	86·4	85·5	83·7	82·1	81·2	82·5	83·0	83·4	83·3
19	83·8	83·6	83·2	82·4	81·9	81·7	81·7	82·9	83·3	83·9	84·7	85·0	86·4	87·7	88·0	88·2	86·9	85·0	83·9	83·0	82·6	82·6	82·5	82·5	84·1
20	82·5	82·4	82·2	81·4	80·4	80·3	79·8	80·5	81·9	83·7	85·2	86·4	87·4	88·0	88·9	88·3	87·9	86·7	84·9	83·5	81·9	80·8	79·9	78·9	83·6
21	78·4	77·9	77·9	77·4	77·5	77·0	77·4	80·9	84·7	86·9	88·8	89·5	89·8	90·5	88·9	88·3	87·7	86·8	85·8	85·4	84·9	84·7	84·8	84·8	83·9
22	84·4	84·7	84·7	84·4	84·4	84·3	84·4	84·7	85·1	86·3	87·0	86·8	87·2	87·2	87·7	86·7	86·0	85·3	84·0	83·2	83·2	82·7	82·7	82·8	**85·0**
23	83·8	83·8	84·1	83·9	83·6	83·1	83·9	84·7	85·1	84·3	84·5	84·6	84·4	84·1	83·7	83·7	82·5	81·9	81·0	80·8	80·3	80·2	79·5	79·2	83·0
24	78·9	78·7	78·8	79·4	79·9	79·2	79·0	80·6	80·9	82·5	82·9	82·7	83·0	82·4	80·8	80·7	81·1	80·3	80·3	80·2	80·0	79·9	79·9	79·9	80·5
25	79·5	79·6	78·8	79·5	79·8	80·1	80·6	80·5	80·0	80·5	79·9	81·1	80·8	81·8	80·5	77·9	81·7	80·5	77·8	79·3	78·8	79·5	79·9	79·7	79·9
26	79·3	79·9	80·6	80·5	80·4	80·0	80·7	80·3	82·2	82·9	83·7	82·3	84·5	81·9	81·7	82·9	82·9	81·9	81·0	80·6	80·3	80·2	80·1	80·1	81·3
27	80·0	79·9	80·0	79·9	80·4	80·0	80·0	81·3	82·1	83·2	84·6	84·9	83·4	83·3	83·3	83·9	84·4	82·9	81·6	80·6	80·0	79·4	78·9	78·0	81·5
28	77·4	76·9	76·6	76·7	75·7	75·2	76·2	77·8	79·4	81·5	82·6	84·0	85·3	84·8	85·9	85·8	84·8	83·9	81·9	81·0	80·3	79·6	78·9	78·7	80·4
29	78·3	77·9	77·5	77·0	77·3	77·4	77·8	78·9	80·4	80·8	81·5	81·2	81·5	81·9	81·9	81·2	80·9	80·8	80·7	80·6	80·6	80·1	80·2	80·3	79·8
30	79·9	79·9	79·1	80·3	80·3	81·0	82·3	83·2	83·6	83·3	83·3	83·4	83·8	81·5	83·6	82·6	83·0	82·1	80·8	80·1	80·1	79·9	79·5	78·9	81·5
31	78·3	78·1	77·6	77·3	77·5	77·6	78·3	78·9	79·9	81·4	82·3	82·9	83·5	82·4	80·9	80·0	79·8	79·1	79·5	79·9	80·3	79·6	79·5	79·1	79·7
Mean	79·4	79·2	79·0	78·9	78·9	**78·7**	78·9	79·7	80·7	81·7	82·5	82·9	83·5	**83·5**	83·5	83·1	82·6	81·7	80·9	80·5	80·1	79·9	79·7	79·5	80·8

457. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1927.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·6	79·6	79·7	79·9	79·3	78·9	78·0	77·2	77·9	79·1	80·0	80·9	81·6	82·0	80·9	81·7	80·4	80·0	79·4	79·0	78·6	77·9	77·1	76·1	79·4
2	75·7	75·0	74·9	74·2	74·1	74·0	73·7	75·7	77·5	80·2	82·1	83·2	83·2	82·6	82·2	80·7	79·6	78·6	78·5	78·5	78·9	78·6	78·8	78·9	**78·3**
3	79·0	79·1	79·2	79·0	79·0	79·2	79·1	79·5	80·5	81·0	81·9	82·9	83·5	83·9	83·6	83·9	83·6	83·4	81·8	79·0	77·7	77·7	76·7	77·2	80·5
4	76·1	75·7	75·5	75·5	75·5	76·2	77·4	78·9	80·8	81·9	83·6	83·4	82·9	82·8	83·2	83·1	83·6	83·3	83·2	82·9	82·9	83·3	83·5	83·6	80·7
5	83·4	83·2	83·0	82·2	81·4	81·1	82·3	83·0	83·8	84·7	85·3	86·1	86·8	86·1	85·9	85·6	85·0	84·3	83·7	82·9	82·6	82·5	82·0	82·0	83·7
6	82·3	82·6	82·7	82·8	82·8	82·8	82·8	81·7	81·9	82·9	83·5	84·3	85·6	86·2	86·5	86·5	85·9	84·8	83·5	82·7	81·9	81·1	80·8	79·9	83·3
7	79·2	79·1	79·8	79·9	79·8	79·5	79·7	79·5	79·0	78·8	78·6	79·0	78·9	79·6	80·3	80·8	81·3	80·1	79·5	78·8	78·4	78·3	77·9	77·8	79·4
8	77·8	77·5	77·0	76·9	76·6	76·5	77·7	79·4	81·0	81·4	82·4	83·9	84·3	85·2	84·5	83·4	83·8	82·4	80·9	80·7	80·6	80·3	79·8	78·4	80·5
9	78·5	78·4	78·4	78·5	78·0	78·2	79·1	80·8	80·3	81·0	81·0	81·6	80·1	79·4	79·5	79·4	80·0	80·0	79·7	79·4	79·5	79·4	79·5	79·4	79·5
10	79·0	78·8	78·3	78·5	78·5	78·4	78·8	79·9	80·0	80·8	81·5	81·4	81·5	82·4	82·6	81·3	82·4	82·0	80·5	80·0	80·4	79·6	79·0	79·4	80·2
11	79·6	79·2	79·4	79·2	79·2	79·0	78·9	79·0	80·0	81·0	81·8	81·8	82·1	82·1	81·1	80·7	80·9	80·9	80·8	80·8	80·9	81·3	80·0	79·6	80·4
12	79·5	78·9	78·8	78·3	77·3	76·4	78·7	79·9	80·8	81·5	81·4	82·5	83·0	84·0	83·9	83·9	83·8	83·5	83·1	82·4	81·7	81·4	81·1	81·0	81·1
13	81·0	81·0	80·7	80·4	80·0	80·1	80·9	82·4	84·0	84·8	85·9	86·2	86·7	87·1	88·0	89·1	89·0	87·3	85·3	83·6	82·8	82·8	82·6	82·8	83·9
14	83·3	83·3	83·4	83·5	83·7	83·8	83·7	83·7	84·0	84·9	85·8	86·4	86·7	87·4	88·0	87·8	87·3	86·7	86·1	85·7	84·7	83·9	83·4	83·2	85·0
15	82·4	81·8	81·7	81·4	80·6	80·9	81·2	81·8	82·3	82·9	83·2	83·7	84·0	83·8	84·3	84·8	85·4	84·8	83·9	82·8	82·1	81·4	80·3	79·7	82·6
16	79·5	79·4	79·5	79·0	78·8	79·0	79·8	81·4	81·8	82·4	83·6	83·7	84·5	85·1	85·2	85·6	85·4	85·0	84·3	83·5	82·1	81·3	80·6	79·9	82·1
17	78·9	78·7	77·9	77·5	77·3	77·2	78·2	80·0	82·5	84·4	85·0	85·4	85·9	86·3	86·8	87·2	87·3	86·9	85·4	84·1	83·0	82·1	81·1	80·8	82·5
18	80·3	79·4	79·3	78·9	78·0	78·6	79·9	81·9	84·1	85·8	87·7	88·9	89·4	89·6	90·1	90·8	90·0	89·7	87·9	85·4	84·9	84·2	83·1	81·9	84·6
19	81·9	81·4	80·6	80·1	79·9	80·0	80·5	81·1	81·6	82·6	83·1	84·3	85·4	87·8	88·9	89·8	89·3	87·9	86·3	84·5	83·1	82·1	80·9	80·3	83·5
20	79·5	78·9	78·2	78·0	77·6	78·0	79·9	81·9	83·6	84·9	86·3	87·6	88·3	89·2	89·8	89·5	90·2	88·9	87·7	86·8	85·7	84·7	83·8	83·4	84·2
21	83·4	82·9	82·8	82·4	81·8	81·9	83·3	84·7	86·9	89·0	90·4	91·5	92·2	92·8	93·0	93·9	93·9	93·2	90·8	89·3	87·8	86·2	85·5	84·5	**87·7**
22	84·3	84·1	83·7	83·5	83·5	82·9	82·9	83·4	83·6	84·3	85·1	85·8	86·9	87·8	87·7	87·9	87·4	87·4	85·8	84·6	83·9	83·5	83·6	84·0	84·9
23	84·2	84·3	84·2	82·9	82·1	82·4	82·3	83·3	83·7	83·8	84·6	85·1	85·3	85·2	85·0	85·0	84·8	84·1	82·9	82·1	81·5	81·1	80·7	80·5	83·5
24	80·1	79·8	79·8	79·9	80·2	80·4	81·0	81·4	82·1	82·4	82·8	82·2	82·6	82·0	84·0	83·0	83·7	83·4	83·2	82·7	82·3	82·2	82·1	81·1	81·8
25	81·0	81·0	81·0	81·0	81·6	82·0	82·7	83·7	84·1	84·5	84·1	84·5	84·6	84·6	84·8	84·6	84·6	84·7	84·4	84·0	83·7	82·8	82·1	81·4	83·2
26	80·4	79·2	78·0	77·2	76·8	77·4	78·1	79·4	80·0	81·0	81·7	82·5	82·8	81·2	82·4	82·4	82·7	82·8	82·0	80·5	79·0	77·8	76·3	76·2	80·0
27	75·9	75·2	74·5	74·0	73·8	74·5	76·0	78·0	79·9	81·5	82·7	83·4	84·2	84·9	84·5	84·0	83·8	83·3	82·7	81·1	80·0	79·9	78·9	77·8	79·7
28	76·6	76·0	75·6	74·9	74·5	75·8	77·2	79·4	80·9	82·6	83·9	84·5	85·2	86·5	86·1	86·1	85·4	84·9	83·9	82·9	82·5	82·3	81·6	81·5	81·2
29	81·0	80·7	80·3	80·0	80·0	80·7	80·9	81·9	83·3	84·0	85·0	85·4	86·9	87·2	86·7	86·4	85·9	84·8	83·0	81·3	80·0	79·6	79·1	78·1	82·7
30	77·2	76·1	75·5	74·8	74·7	75·0	76·9	78·5	79·6	80·9	80·9	81·6	82·5	82·8	83·3	83·6	83·9	83·4	82·3	80·7	79·3	78·5	77·3	76·8	79·5
Mean	80·0	79·7	79·5	79·1	**78·9**	79·0	79·7	80·7	81·7	82·7	83·5	84·1	84·6	84·9	**85·1**	85·1	85·0	84·4	83·4	82·4	81·7	81·3	80·6	80·2	82·0
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

458. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

May, 1927.

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

459. Richmond (Kew Observatory): North Wall Screen : h_t = 3·0 metres. **June, 1927.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	86·7	86·4	86·2	85·9	85·7	85·7	85·9	85·9	86·5	86·5	87·0	87·5	87·8	89·1	89·5	90·1	90·1	90·1	90·1	88·3	87·2	86·8	85·6	84·6	87·3
2	83·8	83·6	83·6	83·3	83·0	83·1	84·1	86·2	88·1	89·4	91·0	92·3	92·9	92·6	93·6	92·2	91·9	91·8	91·0	89·9	88·7	88·1	86·6	86·1	88·2
3	85·6	85·1	84·7	83·5	83·6	84·2	86·0	86·2	87·4	87·6	89·0	89·5	90·1	91·0	91·2	91·9	90·7	90·6	89·4	87·4	85·4	85·0	83·9	82·8	87·2
4	82·1	81·3	80·7	80·1	80·6	81·1	82·6	84·2	85·5	86·6	87·3	88·4	89·1	90·3	88·0	88·3	89·5	88·0	87·0	85·1	84·5	84·1	83·5	83·0	85·0
5	82·0	81·1	80·2	80·1	81·0	82·6	84·0	85·1	86·7	87·9	88·2	90·3	90·4	89·4	89·0	89·0	89·0	88·1	86·3	84·9	85·0	85·5	85·8	86·0	85·7
6	85·9	84·5	83·5	83·4	83·2	83·3	84·4	82·8	83·4	84·8	86·1	85·1	87·3	86·5	87·8	85·1	86·1	87·4	86·1	85·7	85·3	85·1	84·7	83·7	85·1
7	83·7	83·0	82·3	82·3	82·7	82·8	84·9	85·7	86·0	87·8	88·2	88·3	88·1	87·5	88·5	88·1	87·7	87·7	87·0	85·8	85·1	84·6	84·3	84·0	85·7
8	83·7	83·5	83·1	82·5	82·3	82·5	83·5	84·5	84·7	86·1	86·2	88·1	89·5	89·9	90·0	91·2	91·2	89·6	88·9	87·9	86·5	85·1	84·3	83·1	86·2
9	82·7	82·0	81·3	81·0	82·1	82·8	84·1	85·1	86·5	87·6	88·4	89·0	89·1	90·0	90·5	89·6	89·9	90·3	89·1	88·2	87·0	85·6	85·7	86·1	86·3
10	85·2	84·5	84·1	83·9	83·3	84·4	86·6	87·1	88·1	89·7	90·2	90·9	90·7	90·0	89·0	88·9	89·1	88·6	87·7	87·0	86·3	85·8	85·5	85·4	87·2
11	85·0	84·8	85·0	84·7	84·2	84·2	84·8	85·9	87·0	86·9	88·4	90·0	90·7	89·8	89·3	88·8	88·5	88·2	88·0	86·0	85·1	84·3	83·8	83·7	86·6
12	83·2	82·0	81·1	81·0	81·0	81·5	82·5	84·4	86·2	87·1	88·4	89·5	90·7	92·0	91·0	91·6	92·4	92·2	90·6	88·7	86·5	85·5	83·6	83·0	86·5
13	81·3	80·3	79·1	79·0	80·7	82·3	84·0	85·8	87·0	88·6	90·3	91·8	92·6	93·6	93·8	94·3	95·2	94·5	92·3	89·2	87·9	87·0	86·3	85·4	87·5
14	83·9	82·8	82·5	82·2	82·7	84·5	84·7	85·9	87·8	88·8	90·2	91·3	91·7	91·6	91·2	90·7	90·4	89·2	88·0	87·2	86·7	85·8	85·3	85·0	87·1
15	84·7	84·3	83·8	83·8	83·9	84·1	84·4	85·2	86·4	86·9	87·8	88·7	89·4	89·6	89·2	89·0	87·9	86·7	86·4	85·5	85·5	85·4	85·5	85·6	86·2
16	85·6	85·6	85·8	85·9	86·0	86·6	87·5	89·2	90·0	93·0	95·5	96·8	98·2	99·6	99·0	99·2	98·6	97·6	96·7	94·8	93·2	92·0	91·1	91·0	**92·3**
17	90·4	89·4	88·3	86·9	87·4	88·4	89·1	90·2	89·5	88·9	89·3	90·1	90·7	90·5	90·6	92·1	89·6	89·4	89·9	88·2	87·6	86·5	85·5	85·1	89·0
18	84·8	84·4	83·8	83·5	85·1	86·0	86·7	87·8	88·6	89·9	89·0	90·5	88·7	88·5	89·8	90·0	89·5	88·5	86·8	85·6	85·5	85·8	86·1	87·1	87·1
19	87·1	85·2	85·0	85·1	84·7	85·1	85·7	86·1	87·3	88·3	88·1	89·6	90·2	90·9	89·1	90·2	90·6	90·1	89·1	87·7	87·1	86·0	85·5	85·1	87·5
20	85·0	84·3	83·9	83·7	84·7	85·4	86·6	87·3	88·0	89·2	89·6	89·9	90·0	90·5	92·1	92·0	91·3	90·5	90·1	89·4	88·6	87·9	87·4	87·2	88·1
21	87·1	87·0	86·6	86·4	87·2	87·6	88·4	89·5	90·1	90·1	88·8	87·1	87·5	87·8	86·7	88·0	88·3	88·5	87·8	87·0	86·3	85·8	85·1	84·3	87·5
22	83·2	82·7	82·1	82·0	82·8	83·6	84·6	85·5	86·5	87·1	87·7	88·8	89·9	90·6	90·9	91·1	91·5	91·1	90·6	89·0	87·6	86·3	85·7	85·2	86·9
23	85·1	85·1	85·1	85·1	84·9	85·5	85·1	86·7	86·7	87·6	88·1	88·7	88·9	89·8	89·3	90·1	88·9	88·2	87·4	86·6	85·4	85·1	84·8	84·6	86·8
24	84·6	84·8	85·1	84·8	85·1	85·1	84·9	85·3	86·0	86·2	86·6	89·0	90·0	89·8	89·5	89·3	89·0	88·9	87·9	87·9	85·7	84·9	84·8	83·7	86·6
25	83·1	82·6	82·5	81·9	82·7	83·9	84·2	85·3	86·7	87·6	88·5	88·6	89·3	89·0	88·7	88·1	87·7	86·6	86·9	86·6	86·1	86·2	86·3	86·5	86·0
26	85·8	84·5	84·6	84·5	84·1	83·7	83·7	83·8	82·8	82·4	81·9	83·9	86·1	84·6	85·1	84·8	83·9	85·3	85·8	84·4	83·0	82·6	82·2	81·1	**84·1**
27	80·6	80·3	80·1	80·0	80·4	81·5	82·7	84·0	85·3	86·6	88·0	86·9	88·1	85·9	84·5	84·4	85·1	84·1	84·1	83·7	83·7	83·5	83·5	83·5	83·7
28	83·4	83·3	83·1	83·2	83·2	83·8	84·3	85·0	86·1	87·2	86·9	88·4	89·9	89·4	89·1	88·2	88·1	87·9	87·6	86·7	85·8	85·5	85·1	84·7	86·1
29	84·1	84·1	84·0	83·8	83·7	83·7	86·1	87·6	87·4	88·7	89·2	89·1	88·6	89·0	87·8	88·1	87·3	87·2	87·0	86·7	86·1	85·8	85·6	85·8	86·5
30	85·5	85·2	85·2	85·2	85·7	85·5	85·8	86·3	86·9	88·3	90·7	92·4	92·8	93·5	93·3	94·5	94·5	95·3	94·2	92·1	89·6	87·9	87·1	86·1	89·3
Mean	84·5	83·9	83·5	**83·3**	83·6	84·1	85·1	86·0	86·8	87·8	88·5	89·3	90·0	**90·1**	89·9	90·0	89·8	89·4	88·7	87·4	86·5	85·9	85·3	84·9	86·8
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

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

460. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

July, 1927.

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

461. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

August, 1927.

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

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

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

462. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

September, 1927.

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

463. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

October, 1927.

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

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

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

464. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

November, 1927.

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

465. Richmond (Kew Observatory): North Wall Screen : h_t = 3·0 metres.

December, 1927.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·3	79·1	79·0	79·1	79·0	78·8	78·4	78·2	78·0	78·1	78·0	77·9	77·7	77·6	77·5	77·5	77·5	77·5	77·4	77·4	77·3	77·1	77·1	77·1	78·0
2	77·0	77·2	77·0	77·0	77·0	77·0	77·0	77·0	77·1	77·2	77·2	77·2	77·2	77·1	77·1	77·2	77·0	77·2	77·0	77·1	77·2	77·1	77·1	77·0	77·1
3	76·6	76·5	76·6	76·6	76·5	76·4	76·2	76·4	76·3	76·4	76·2	76·5	76·3	76·0	75·7	75·5	75·4	75·5	75·0	75·0	74·8	74·6	74·5	74·7	75·9
4	74·8	74·8	74·9	75·0	75·1	75·1	75·1	75·1	75·0	75·7	75·5	75·6	75·8	75·7	75·8	76·1	76·7	77·0	77·1	77·2	77·2	77·4	77·3	77·1	75·9
5	77·1	77·4	77·6	77·6	77·7	77·5	76·9	76·9	77·6	77·7	78·6	78·3	79·0	79·8	79·5	79·0	78·9	78·9	80·0	80·2	80·2	80·5	80·9	80·9	78·6
6	81·0	80·8	80·5	80·7	81·0	81·1	80·9	80·4	81·3	82·8	83·7	84·4	84·9	84·8	83·9	82·8	81·5	80·9	80·1	80·5	80·1	80·0	80·0	80·5	81·6
7	80·3	80·5	80·0	80·0	80·2	80·0	79·4	79·5	79·5	80·0	80·1	79·9	79·6	79·2	78·3	77·5	77·7	77·9	77·7	77·7	77·7	77·7	77·8	77·8	79·1
8	77·7	77·7	77·7	77·6	77·6	77·5	77·6	77·5	77·7	77·8	77·9	77·9	78·0	78·0	78·1	78·0	77·9	77·8	77·8	77·4	77·1	77·1	77·0	77·1	77·7
9	76·8	76·7	76·7	77·0	76·9	76·7	77·1	77·4	77·6	78·5	79·3	80·1	81·3	81·7	81·2	80·4	80·7	80·1	80·2	80·6	80·6	80·6	80·5	80·5	79·1
10	80·4	80·4	80·2	80·0	80·1	80·0	79·9	79·9	80·0	80·1	80·5	80·6	80·4	80·4	80·2	79·9	79·4	79·3	78·7	78·2	77·8	77·5	77·3	77·0	79·6
11	76·7	76·6	76·2	76·5	76·9	76·6	76·1	75·9	75·4	75·8	76·1	76·7	76·8	76·7	76·8	76·5	76·7	76·9	76·8	76·8	76·6	76·4	76·2	76·3	76·5
12	76·4	76·3	76·2	76·2	76·1	76·2	76·2	76·2	76·5	76·5	76·4	76·2	76·1	75·8	75·6	75·5	75·5	75·4	75·5	75·5	75·6	75·7	75·8	75·9	76·0
13	76·1	76·0	75·8	75·9	75·8	76·0	76·1	76·0	76·0	76·2	76·4	76·5	76·6	76·5	76·3	76·1	76·0	75·9	75·8	75·6	75·5	75·6	75·6	75·6	76·0
14	75·6	75·7	75·7	75·5	75·7	76·5	76·5	76·2	76·0	76·0	75·9	75·9	75·7	75·7	75·8	76·1	76·5	76·5	76·3	75·9	75·8	75·7	75·5	75·2	75·9
15	75·0	75·0	74·8	74·8	74·6	75·1	75·1	75·1	75·4	75·8	76·3	76·5	76·5	76·6	76·6	76·1	76·0	75·4	75·0	74·7	74·0	73·6	74·0	72·6	75·2
16	72·6	72·1	72·0	72·1	72·1	71·7	71·7	72·1	71·8	71·6	71·9	72·5	72·6	72·6	73·2	72·1	72·1	71·0	70·4	70·1	69·7	71·1	70·5	69·9	71·7
17	69·6	69·3	69·0	68·5	69·5	70·1	69·7	69·6	70·1	71·6	72·0	72·2	73·2	72·7	72·1	71·0	71·1	71·1	70·1	69·7	69·5	70·1	69·7	70·1	70·5
18	70·1	70·1	70·3	70·2	70·1	70·1	70·2	70·3	70·3	70·3	70·8	70·7	70·8	70·9	70·7	70·3	70·1	69·8	69·7	69·5	69·7	69·6	69·9	70·3	70·2
19	69·6	68·8	68·6	68·1	67·7	67·3	67·2	67·2	67·6	68·9	69·8	70·6	71·2	71·3	71·1	70·6	70·7	71·0	71·4	71·5	71·4	71·2	71·1	70·9	**69·8**
20	70·8	70·6	70·5	70·1	69·6	69·2	69·2	68·8	68·9	69·2	69·9	70·7	71·1	71·0	70·8	70·0	69·6	69·0	68·5	69·0	69·4	70·0	71·1	71·4	69·9
21	71·5	72·4	72·8	72·9	73·0	73·1	73·5	73·8	74·1	75·7	79·0	79·6	80·2	80·8	80·9	80·5	80·4	80·2	80·4	80·4	80·4	80·4	80·5	80·3	77·2
22	80·0	79·7	79·9	80·3	81·4	82·2	82·4	82·3	82·5	82·8	83·2	83·8	84·1	84·5	84·5	84·4	83·9	83·2	83·2	82·9	82·9	83·0	82·6	82·7	**82·5**
23	82·5	82·3	82·3	82·3	82·0	81·8	81·6	81·8	82·1	82·0	82·1	82·4	82·5	82·2	81·8	81·6	81·3	81·3	81·0	80·1	79·9	79·8	79·6	79·6	81·6
24	79·5	79·4	79·5	79·5	79·1	79·2	79·2	79·3	79·4	79·8	79·9	81·3	81·9	81·8	81·6	81·3	81·0	80·9	80·6	80·4	80·3	79·9	79·1	79·1	80·1
25	79·1	79·1	78·9	79·0	79·3	79·6	79·5	79·5	79·6	79·8	80·0	80·0	79·6	78·5	77·6	76·6	75·9	75·4	74·4	74·2	73·9	73·6	73·3	73·0	77·6
26	72·9	73·0	73·4	73·4	73·6	73·7	73·8	73·8	73·1	73·1	74·0	73·8	74·0	74·2	74·3	74·5	74·9	74·6	74·8	75·0	74·9	74·9	75·0	74·9	74·0
27	74·7	74·2	73·9	73·7	74·0	73·9	74·2	74·1	75·2	75·4	75·4	75·4	75·4	75·2	75·0	74·8	74·4	74·2	73·8	73·1	73·1	73·1	72·9	73·0	74·3
28	72·5	72·5	72·6	73·1	73·0	72·6	72·3	72·1	72·2	72·6	73·2	74·2	74·3	74·3	74·4	74·0	73·6	73·3	73·1	72·8	72·5	72·5	73·3	73·2	73·1
29	72·7	73·0	73·1	73·0	73·0	72·9	72·9	72·7	72·8	72·8	73·0	73·1	73·1	73·1	73·0	72·8	72·8	72·6	72·6	72·5	72·0	72·0	72·0	71·7	72·7
30	71·2	71·4	71·2	71·1	70·4	69·6	68·9	68·5	69·0	70·9	71·8	72·0	72·5	72·4	72·2	72·0	71·5	70·9	70·6	70·6	70·0	69·0	68·5	68·5	70·6
31	68·8	69·4	69·0	68·9	68·4	68·6	68·3	68·3	68·8	69·4	71·0	72·3	73·4	73·9	74·2	73·8	73·6	74·0	74·0	73·9	73·9	73·8	73·9	73·8	71·5
Mean ...	75·5	75·4	75·3	75·3	75·4	75·4	75·3	**75·2**	75·4	75·8	76·3	76·6	**76·8**	76·8	76·6	76·3	76·1	76·0	75·8	75·6	75·5	75·5	75·5	75·4	75·8
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

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

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

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

466. Richmond (Kew Observatory): North Wall Screen: $h_t = 3{\cdot}0$ metres. **1927.**

Hour 1.	G.M.T 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
81·39	81·19	81·02	80·86	**80·82**	80·98	81·36	81·95	82·72	83·51	84·27	84·85	85·26	**85·50**	85·46	85·42	84·92	84·39	83·74	83·09	82·61	82·23	81·91	81·64	82·95

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

467. Richmond (Kew Observatory): North Wall Screen: $h_t = 3{\cdot}0$ metres. **1927.**

Month.	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	278·15	−0·66	−0·60	−0·65	−0·71	−1·02	−1·11	−1·20	**−1·28**	−0·99	−0·30	+0·53	+1·26	+1·67	**+1·92**	+1·72	+1·42	+0·81	+0·44	+0·19	+0·14	−0·20	−0·35	−0·43	−0·50
Feb.	277·75	−1·01	−1·23	−1·25	−1·23	−1·24	−1·26	**−1·32**	−1·21	−0·70	+0·05	+0·67	+1·26	+1·56	+1·83	**+1·85**	+1·67	+1·25	+0·81	+0·50	+0·19	+0·06	−0·16	−0·41	−0·70
Mar.	280·80	−1·48	−1·63	−1·84	−1·89	−1·97	**−2·08**	−1·91	−1·12	−0·08	+0·84	+1·67	+2·11	+2·67	**+2·70**	+2·67	+2·27	+1·86	+0·98	+0·16	−0·24	−0·61	−0·85	−1·07	−1·22
April	281·98	−2·00	−2·33	−2·56	−2·87	**−3·12**	−2·97	−2·28	−1·24	−0·27	+0·71	+1·52	+2·14	+2·61	+2·95	**+3·12**	+3·11	+3·05	+2·46	+1·46	+0·47	−0·20	−0·69	−1·30	−1·70
May	285·77	−2·89	−3·30	−3·68	−3·98	**−4·02**	−3·41	−2·29	−0·88	+0·24	+1·35	+2·36	+2·94	+3·55	**+4·06**	+4·02	+3·99	+3·64	+2·90	+1·83	+0·35	−0·74	−1·47	−1·98	−2·58
June	286·85	−2·36	−2·94	−3·31	**−3·57**	−3·27	−2·71	−1·79	−0·86	−0·01	+0·93	+1·64	+2·50	+3·12	**+3·23**	+3·05	+3·11	+2·93	+2·57	+1·82	+0·60	−0·37	−0·99	−1·50	−1·89
July	289·32	−2·28	−2·46	−2·57	**−2·73**	−2·53	−1·99	−1·28	−0·45	+0·37	+1·04	+1·65	+2·10	+2·06	**+2·57**	+2·55	**+2·57**	+2·37	+2·09	+1·42	+0·41	−0·39	−0·98	−1·53	−1·93
Aug.	289·33	−2·19	−2·35	−2·48	**−2·73**	−2·71	−2·44	−1·72	−0·89	+0·17	+0·92	+1·79	+2·26	+2·74	+3·07	**+3·17**	+2·77	+2·57	+2·08	+1·09	−0·03	−0·62	−1·18	−1·50	−1·90
Sept.	286·20	−1·49	−1·66	−1·99	−2·12	**−2·23**	−2·16	−1·73	−0·96	+0·08	+0·80	+1·59	+2·24	**+2·53**	+2·51	+2·41	+2·25	+2·02	+1·24	+0·46	−0·11	−0·38	−0·77	−1·12	−1·35
Oct.	283·60	−1·56	−1·71	−1·68	−1·76	**−1·83**	−1·80	−1·78	−1·35	−0·51	+0·33	+1·19	+1·85	+2·57	+2·87	**+2·95**	+2·66	+1·95	+1·08	+0·39	−0·09	−0·43	−0·86	−1·18	−1·32
Nov.	279·50	−0·43	−0·57	−0·76	−1·05	−1·24	−1·31	**−1·36**	−1·25	−0·79	−0·04	+0·63	+1·21	+1·51	**+1·71**	+1·63	+1·22	+0·71	+0·37	+0·16	+0·09	+0·09	−0·07	−0·18	−0·32
Dec.	275·79	−0·43	−0·45	−0·51	−0·50	−0·48	−0·48	−0·57	**−0·60**	−0·43	+0·01	+0·49	+0·82	**+1·05**	+1·04	+0·87	+0·51	+0·39	+0·22	+0·04	−0·09	−0·24	−0·22	−0·23	−0·27
Year	282·95	−1·57	−1·77	−1·94	−2·09	**−2·14**	−1·98	−1·60	−1·01	−0·24	+0·55	+1·31	+1·89	+2·30	**+2·54**	+2·50	+2·30	+1·96	+1·44	+0·79	+0·14	−0·34	−0·72	−1·04	−1·31

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

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

468. Richmond (Kew Observatory): North Wall Screen: $h_t = 3{\cdot}0$ metres. **1927.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	80·7	75·4	80·4	73·9	84·5	80·5	82·3	76·1	84·8	**73·3**	90·8	84·6	91·0	85·2	89·2	85·1	93·0	87·1	87·7	82·7	87·3	76·0	79·5	77·0
2	81·6	78·9	79·4	72·4	84·9	78·7	83·9	73·5	90·8	78·0	93·8	82·7	89·5	85·5	94·9	84·1	**94·8**	84·7	90·6	81·8	89·0	85·7	77·3	76·8
3	82·3	75·2	80·6	71·9	84·0	79·1	84·0	76·7	92·5	82·0	92·0	82·8	92·6	86·8	97·4	83·4	91·6	86·3	87·2	76·1	**89·9**	85·8	77·0	74·5
4	78·6	73·4	83·1	73·8	84·2	80·7	83·8	75·3	96·1	81·7	90·6	79·8	95·1	87·3	96·4	85·9	90·7	86·7	86·1	74·9	87·8	83·5	77·4	74·7
5	80·9	74·9	80·7	70·7	83·0	79·0	87·5	81·0	93·6	84·1	90·6	80·0	97·3	85·6	96·2	87·6	92·7	86·9	82·1	76·0	83·5	80·4	81·0	76·7
6	84·1	76·0	81·8	75·9	83·3	79·0	87·0	79·9	**96·7**	82·9	87·8	82·4	94·1	84·9	97·1	89·9	91·5	87·6	90·2	75·2	82·4	77·2	**85·0**	79·8
7	80·8	76·0	77·6	73·1	82·7	77·7	81·5	77·6	95·4	84·2	89·1	82·2	93·8	85·4	95·5	88·5	92·3	84·1	86·9	77·6	79·2	75·4	80·5	77·3
8	83·3	74·4	76·8	73·9	83·6	77·3	85·6	76·3	94·4	84·9	92·0	82·2	96·7	84·9	95·0	88·3	91·3	80·3	88·6	78·6	78·2	72·0	78·1	76·7
9	**84·6**	80·1	75·0	73·7	83·2	73·9	82·1	77·8	94·6	81·9	90·6	80·5	94·1	85·8	94·3	88·1	92·6	85·7	88·2	81·8	79·1	74·5	81·9	76·4
10	83·3	78·1	75·8	70·6	82·4	76·1	83·2	78·2	86·9	79·3	91·4	83·2	**99·2**	87·0	94·5	87·6	90·2	83·8	88·2	77·0	78·4	72·1	80·7	77·0
11	83·0	77·9	73·4	**69·1**	81·2	**72·2**	82·5	78·7	86·1	77·6	90·7	83·7	96·9	88·3	92·9	86·6	87·1	82·0	85·5	78·0	78·2	72·5	77·0	75·4
12	83·2	80·2	75·2	71·3	81·0	75·7	84·4	76·1	87·2	77·0	92·7	80·9	91·2	87·6	93·6	85·6	88·2	80·7	84·6	81·6	80·3	71·9	76·6	75·3
13	81·1	75·0	74·5	72·2	81·1	76·3	89·3	80·0	84·4	78·7	95·2	**78·9**	89·6	87·6	92·6	87·6	87·7	82·4	83·8	79·9	78·7	73·4	76·6	75·4
14	79·8	76·1	76·2	71·8	78·4	76·7	88·2	82·8	89·9	81·1	91·9	81·8	87·8	85·2	94·4	87·6	88·9	82·7	86·4	80·3	80·6	75·4	76·6	75·2
15	79·9	70·7	78·3	75·6	82·7	75·1	85·4	79·7	91·0	83·9	89·9	83·7	91·6	84·8	91·5	86·3	91·8	85·4	87·6	82·4	83·9	78·4	76·7	72·6
16	79·5	70·7	80·3	76·4	85·4	74·0	85·8	78·8	90·4	85·0	**99·7**	85·2	89·5	85·1	89·8	84·6	88·4	84·2	86·6	81·9	84·5	74·8	73·5	69·5
17	76·9	70·6	83·8	79·8	87·7	76·7	87·6	76·8	91·2	82·8	92·1	85·1	87·4	83·8	93·4	82·8	88·9	83·1	88·5	80·8	82·0	73·5	73·3	68·4
18	78·1	74·0	82·0	77·6	87·2	80·1	90·9	77·7	92·3	80·3	90·7	83·3	94·0	**80·3**	92·8	86·2	88·6	82·9	85·7	77·3	83·0	79·0	71·1	69·3
19	78·0	72·4	78·8	73·1	88·8	81·3	89·9	79·7	91·4	78·4	90·9	84·6	93·6	85·5	90·7	84·6	90·1	84·8	86·6	78·5	82·1	80·5	71·5	**67·1**
20	76·6	**69·6**	82·2	77·1	89·0	78·8	90·3	77·3	92·4	80·1	92·2	83·6	92·6	84·9	91·2	85·2	90·6	85·9	84·3	77·4	81·8	79·3	71·4	68·4
21	76·4	72·4	84·9	80·1	**91·2**	76·9	**94·1**	81·7	88·7	82·3	90·7	84·3	92·7	87·7	92·7	87·2	91·4	88·5	84·7	77·1	81·7	79·8	80·9	71·4
22	75·8	71·3	84·9	79·8	87·8	82·4	88·1	82·8	86·9	78·5	91·9	81·8	93·0	86·7	92·4	87·0	89·8	84·3	84·6	79·8	81·7	77·1	84·7	79·6
23	75·9	72·9	82·2	75·0	85·3	79·2	85·6	80·5	91·5	77·5	90·1	84·5	92·3	85·9	92·9	85·7	86·8	80·1	84·0	78·8	81·7	75·8	82·7	79·5
24	81·9	73·0	81·4	74·4	83·8	78·6	84·6	79·6	95·8	83·6	90·3	83·7	92·6	83·8	91·7	82·5	86·8	80·0	85·8	**74·0**	84·7	77·7	82·2	78·6
25	83·3	79·5	81·5	72·8	82·4	77·1	85·0	80·6	91·7	85·2	89·6	81·7	95·4	87·3	90·2	82·3	87·6	78·8	89·4	84·7	82·5	72·0	80·2	73·0
26	83·2	78·9	84·6	78·1	84·5	79·3	83·4	75·9	91·4	84·0	87·0	81·1	94·8	87·0	89·8	**81·3**	85·7	77·4	88·6	86·8	79·0	**71·0**	75·2	72·8
27	83·3	78·2	84·0	79·3	86·1	78·0	85·0	**72·9**	84·5	78·9	88·2	79·8	93·7	87·1	92·9	85·8	86·8	**74·7**	89·4	86·5	77·5	75·6	75·5	72·8
28	83·3	78·4	**85·2**	79·2	86·2	75·1	86·8	74·4	86·8	75·8	89·9	83·1	93·1	86·1	93·3	84·2	88·3	77·5	89·8	85·1	81·4	77·5	74·4	72·1
29	82·1	76·9	—	—	82·1	76·8	87·6	78·1	90·9	75·4	89·8	83·5	94·5	84·9	95·2	82·4	85·7	79·9	87·9	83·2	81·6	79·6	73·3	71·7
30	81·2	76·2	—	—	84·4	78·9	84·1	74·6	93·4	82·3	95·4	85·1	93·6	87·1	94·3	89·0	87·6	77·7	**90·8**	84·7	80·4	78·4	72·5	68·4
31	80·5	75·2	—	—	83·9	77·3	—	—	92·2	84·1	—	—	95·2	85·1	**97·6**	89·1	—	—	89·5	79·4	—	—	74·4	67·8
Mean	80·7	75·2	80·2	74·7	84·4	77·7	86·0	78·0	90·8	80·8	91·3	82·7	93·2	85·8	93·4	85·9	89·6	82·9	87·1	80·0	82·1	76·9	77·4	73·9

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

Year ...	86·4	79·6

Percentages at exact hours Greenwich Mean Time.

469. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground)=3·0 metres.

January, 1927.

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

470. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1927.

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

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

Percentages at exact hours Greenwich Mean Time.

471. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground)=3·0 metres.

March, 1927.

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	78	76	84	81	80	86	86	89	84	78	73	74	75	71	73	74	76	80	87	92	91	91	90	92	81·4	9·5
2	91	90	90	88	90	88	91	88	85	74	69	63	59	60	68	70	80	88	92	89	89	74	74	67	80·4	9·1
3	62	62	64	68	66	67	66	68	65	62	60	56	51	47	50	59	57	60	72	77	81	84	86	88	65·3	7·1
4	93	95	96	89	86	84	84	89	88	89	88	91	89	82	77	73	76	80	81	85	86	86	86	83	85·8	10·1
5	83	87	84	84	83	84	81	80	86	82	81	80	79	78	76	87	88	89	86	89	91	90	89	85	84·2	8·9
6	80	79	82	78	77	76	81	80	75	69	55	57	57	59	50	55	59	65	68	70	72	73	75	81	69·7	7·3
7	88	94	91	93	87	88	88	90	87	93	94	94	85	81	78	79	66	70	82	81	84	87	92	92	85·4	8·6
8	90	90	89	90	89	90	90	90	80	69	65	54	51	53	68	68	67	73	69	71	76	80	79	79	76·1	7·5
9	83	87	89	89	94	96	91	88	84	86	72	63	61	56	65	71	81	85	92	88	87	87	87	88	81·9	7·3
10	91	92	94	93	95	92	92	90	91	81	72	70	56	63	65	55	75	78	85	83	84	90	93	90	82·0	7·6
11	95	93	96	94	94	94	93	91	88	86	75	59	57	56	61	58	67	74	76	78	82	80	85	88	80·0	6·7
12	90	90	91	90	90	90	87	87	81	72	65	65	62	60	65	61	68	77	69	71	74	83	85	83	77·5	6·8
13	85	85	83	85	82	87	82	79	82	74	71	66	67	64	59	64	65	66	67	71	71	71	73	70	74·0	6·6
14	66	66	67	64	65	65	69	67	66	65	65	67	64	66	65	63	54	60	61	68	70	65	67	70	**65·2**	**5·5**
15	74	74	74	78	77	80	80	73	62	59	59	59	60	57	57	61	63	71	69	72	82	77	82	85	69·9	6·5
16	89	96	93	93	89	93	91	93	83	72	54	51	44	41	41	42	61	63	70	75	77	78	80	82	73·0	7·0
17	78	78	82	82	85	85	88	83	76	69	67	62	53	49	48	51	59	66	73	78	82	87	88	92	73·2	8·2
18	92	93	94	96	91	92	93	92	88	85	84	79	73	67	72	72	74	72	79	86	89	88	88	88	84·5	10·6
19	83	84	86	89	93	93	95	88	88	89	81	83	76	70	67	64	71	80	82	86	88	88	87	88	83·3	11·0
20	89	89	91	89	91	91	91	90	84	76	73	67	67	66	59	62	59	62	71	76	86	93	93	93	79·4	10·2
21	92	97	94	92	96	97	92	90	83	67	63	56	50	43	41	42	51	55	60	63	71	72	73	73	71·8	9·4
22	77	81	84	87	87	88	87	85	83	73	71	72	67	69	64	68	75	78	87	86	87	89	89	92	79·9	**11·2**
23	90	92	90	87	87	92	89	85	83	85	91	87	89	87	87	80	84	76	82	76	79	69	71	75	84·3	10·3
24	77	82	84	84	86	93	96	86	89	74	75	71	74	69	89	89	85	88	85	83	85	86	87	87	83·3	8·6
25	93	91	93	91	88	90	86	88	93	91.	87	82	68	62	80	86	72	76	84	79	87	88	84	83	84·3	8·4
26	87	86	74	69	72	75	75	82	67	63	56	70	58	74	73	68	69	72	78	76	77	82	83	83	73·7	8·1
27	81	83	84	86	83	84	85	81	79	71	62	58	64	70	70	68	66	71	78	83	85	87	86	90	77·2	8·6
28	92	93	93	92	93	96	95	92	87	76	64	52	50	51	48	47	52	65	76	85	86	90	93	91	77·4	8·0
29	94	94	92	95	92	92	92	93	94	90	88	89	88	83	84	93	94	98	98	99	98	98	98	98	**93·0**	9·2
30	98	96	97	93	96	99	95	84	72	60	59	64	52	70	44	59	56	61	64	70	70	73	75	79	74·8	8·3
31	78	78	78	80	84	84	85	75	69	59	56	51	57	63	81	84	87	90	88	96	94	90	90	93	78·5	7·7
Mean	85·1	86·2	86·5	86·1	86·1	**87·5**	87·0	85·0	81·3	75·5	70·8	68·1	64·6	**64·1**	65·3	66·9	69·6	73·8	77·5	80·1	82·6	83·1	84·1	84·8	78·4	†8·4
Vapour Pressure* ...	mb. 8·2	mb. 8·2	mb. 8·1	mb. **8·0**	mb. **8·0**	mb. **8·0**	mb. 8·1	mb. 8·3	mb. **8·6**	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·1	mb. 8·3	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·3	mb. 8·3	mb. 8·2	mb. ‡8·2	—

472. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1927.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	91	90	88	91	88	87	89	86	83	72	59	56	58	63	59	69	77	81	84	79	81	85	91	79·1	7·6
2	85	93	93	96	96	98	100	93	87	72	58	60	47	53	65	67	76	86	89	93	88	91	88	91	81·9	7·3
3	93	94	93	96	94	86	84	78	69	69	62	51	51	49	49	46	46	47	56	75	89	84	92	89	72·6	7·5
4	90	94	100	96	94	92	93	93	86	81	75	78	83	86	86	92	90	92	93	91	94	93	94	93	**89·9**	9·5
5	91	91	87	87	91	92	86	82	73	68	65	57	59	60	67	70	68	72	79	84	89	89	96	96	79·1	10·2
6	98	98	99	99	98	96	88	91	88	70	69	61	50	50	47	45	50	48	55	59	68	74	75	81	73·5	9·2
7	86	86	86	86	91	94	88	90	87	88	88	85	87	88	88	75	73	86	86	88	92	91	86	89	86·7	8·3
8	89	92	92	92	92	93	92	87	75	67	55	57	58	52	55	63	56	67	72	75	76	77	86	91	75·4	7·8
9	91	92	92	91	94	95	94	86	88	82	79	74	84	87	84	86	85	87	87	93	90	90	88	88	87·8	8·5
10	93	88	91	89	86	86	85	80	79	76	71	76	73	71	71	82	69	73	83	90	83	84	87	87	81·4	8·2
11	84	84	81	82	82	82	74	76	71	59	48	50	53	55	64	71	75	81	83	85	86	82	78	81	73·7	7·6
12	78	83	81	83	92	93	88	81	67	66	67	62	56	50	52	53	54	59	63	70	73	77	81	81	71·3	7·7
13	81	82	83	88	91	91	89	82	69	68	64	59	57	58	57	55	56	60	67	75	80	82	84	87	73·4	9·6
14	86	82	82	85	84	84	90	91	89	85	81	77	77	73	71	71	73	78	81	85	91	93	94	95	83·1	**11·6**
15	92	88	88	87	83	67	67	64	66	62	59	61	55	53	53	55	52	60	55	59	63	66	77	78	67·5	8·1
16	81	84	83	85	85	84	80	73	68	65	57	55	48	51	51	48	49	55	58	62	67	70	72	76	67·0	7·7
17	81	83	89	89	89	89	83	78	66	54	53	50	49	50	48	48	49	52	60	67	70	77	82	83	68·2	8·1
18	83	84	88	86	87	89	86	84	79	77	70	64	60	63	59	60	59	58	74	85	84	83	86	91	76·5	10·4
19	89	89	91	91	91	91	91	93	91	87	83	78	74	66	57	52	52	59	65	70	78	80	86	88	78·9	10·0
20	90	90	94	94	92	94	84	73	67	62	59	53	51	44	44	50	45	47	51	53	54	66	83	82	67·7	9·0
21	81	80	80	80	84	86	78	76	59	52	51	48	43	42	41	41	44	54	62	63	70	76	81	83	64·7	10·8
22	83	81	74	75	71	73	71	70	71	68	65	60	57	59	55	55	56	59	73	79	81	81	80	75	69·8	9·7
23	78	82	83	64	67	67	70	58	54	47	45	41	43	44	48	43	46	44	46	46	50	57	57	64	56·2	7·1
24	68	73	80	81	82	79	71	70	65	61	59	62	65	67	64	70	60	64	67	71	76	79	80	83	70·3	8·1
25	82	82	82	83	81	81	77	70	66	68	68	64	63	63	65	69	70	69	70	71	63	53	55	62	70·3	8·8
26	67	60	66	73	72	65	63	51	45	40	36	38	31	55	44	44	41	42	46	58	63	70	78	80	55·0	5·5
27	79	85	89	85	90	83	81	69	63	48	39	34	30	27	31	33	40	42	45	54	63	56	59	67	58·3	5·7
28	73	81	77	80	89	82	79	66	61	62	52	39	39	41	43	47	49	48	52	58	65	67	77	76	62·4	6·8
29	82	85	90	93	93	91	86	78	53	51	43	38	36	33	37	38	40	46	47	38	35	36	34	42	56·7	6·8
30	47	53	58	63	65	60	50	42	32	26	34	29	28	27	26	26	28	26	32	48	56	61	63	73	**43·3**	**4·2**
Mean	83·0	84·3	85·4	85·6	**86·6**	85·0	81·8	77·1	70·7	65·5	60·9	57·3	**55·4**	55·8	56·2	57·1	57·3	61·3	65·9	71·0	73·9	75·5	78·8	81·4	71·4	†8·2
Vapour Pressure* ...	mb. 8·3	mb. 8·3	mb. 8·2	mb. 8·1	mb. 8·0	mb. 8·0	mb. 8·0	mb. 8·1	mb. 8·0	mb. 7·9	mb. 7·7	mb. 7·6	mb. 7·6	mb. 7·8	mb. 7·8	mb. 8·1	mb. 8·0	mb. 8·3	mb. 8·3	mb. **8·4**	mb. 8·3	mb. 8·2	mb. 8·3	mb. 8·3	mb. ‡8·1	—
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

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

Percentages at exact hours, Greenwich Mean Time.

473. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

May, 1927.

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	84	85	92	90	96	94	83	47	37	42	43	42	39	38	35	39	45	47	55	54	62	66	71	75	60·8	6·0
2	79	82	86	87	89	84	81	73	67	61	55	52	54	51	51	47	54	58	66	79	83	88	91	92	70·9	9·5
3	94	95	94	92	92	87	82	78	73	68	64	61	56	52	53	52	49	50	60	74	75	84	85	89	73·3	11·8
4	87	89	92	90	87	87	79	68	60	55	44	53	50	51	55	57	59	66	68	68	69	72	75	81	69·4	13·2
5	82	85	88	91	90	88	89	83	87	81	74	70	65	63	61	63	62	71	72	76	82	85	88	88	78·4	13·4
6	90	94	95	95	95	92	91	96	96	93	78	76	70	59	51	50	57	59	64	73	72	76	79	86	78·7	**13·6**
7	88	88	88	88	85	83	77	71	63	54	42	38	38	33	38	35	30	32	34	41	56	70	79	81	59·8	11·5
8	83	86	89	86	86	85	80	71	64	56	50	47	48	50	49	47	47	47	44	52	56	58	60	69	63·2	11·7
9	74	76	86	86	89	84	78	75	68	63	47	42	37	38	35	33	33	36	41	53	73	85	75	68	61·5	10·6
10	65	66	66	68	72	73	69	65	65	63	60	53	55	57	59	58	58	58	54	57	57	60	60	62	61·8	7·6
11	57	53	58	65	66	62	52	45	44	46	44	44	42	40	43	40	38	40	40	60	68	67	77	79	**52 5**	**5·9**
12	81	84	86	87	88	87	94	73	67	55	52	51	50	49	47	54	61	62	64	68	71	66	61	64	67·9	8·0
13	70	78	79	78	79	72	68	59	48	46	42	46	44	44	43	40	42	45	51	58	56	58	59	64	57·0	6·3
14	74	79	78	80	80	76	74	67	62	60	51	54	55	54	54	55	56	55	64	66	67	79	83	80	66·5	9·6
15	83	85	87	90	92	94	94	90	88	84	79	73	64	68	70	74	84	77	80	83	86	87	89	90	82·7	12·9
16	91	90	88	88	87	82	82	72	73	71	72	70	66	56	61	62	64	59	61	66	69	73	78	85	73·7	11·9
17	88	94	94	96	89	93	89	75	67	59	54	48	48	49	41	46	45	48	51	69	82	85	79	82	69·7	10·9
18	83	87	89	93	94	89	73	71	61	56	56	53	50	45	44	43	44	46	46	50	57	63	78	73	64·5	9·7
19	76	83	88	90	88	85	78	69	65	59	56	48	50	48	47	43	42	46	50	62	76	77	82	77	66·0	9·4
20	84	83	88	94	92	83	83	74	63	56	56	49	47	45	46	44	47	46	51	56	66	53	64	67	64·3	10·1
21	72	76	79	77	79	76	75	74	58	49	67	52	52	59	67	50	55	77	76	84	83	84	65	71	69·0	9·7
22	70	72	74	76	74	79	74	72	66	57	56	66	57	51	62	71	65	64	64	72	80	91	86	90	70·0	8·7
23	90	90	95	92	90	87	80	60	54	50	48	46	42	40	35	41	46	52	60	64	68	68	77	82	65·0	9·2
24	83	84	84	87	87	83	77	77	70	67	58	55	50	51	50	49	50	51	52	60	77	72	72	73	67·7	12·8
25	74	81	82	88	89	87	82	69	66	67	68	67	65	66	64	60	63	61	62	57	61	58	59	60	69·3	11·8
26	58	61	64	71	73	75	68	56	54	54	52	45	45	41	39	37	38	39	61	70	71	72	71	70	57·5	9·1
27	69	71	72	76	88	92	95	95	95	93	95	95	89	92	93	96	94	93	91	94	93	99	94	94	**89·4**	10·2
28	98	97	97	98	96	96	84	76	60	56	55	55	57	54	51	53	48	50	53	74	81	88	87	91	73·2	8·2
29	95	97	98	100	100	97	91	78	64	52	49	46	42	44	45	47	46	46	48	58	66	73	71	76	68·2	9·1
30	79	68	76	83	79	83	67	64	61	54	48	50	48	47	49	49	53	52	56	60	62	67	72	73	62·5	10·6
31	76	75	79	83	84	78	77	74	70	69	67	69	67	67	67	65	65	68	73	77	78	83	86	90	74·1	13·1
Mean	79·9	81·7	84·2	86·0	**86·3**	84·3	79·5	71·5	65·7	61·2	57·5	55·3	53·0	51·7	51·8	**51·6**	52·9	54·9	58·5	65·7	71·1	74·4	75·9	78·1	68·0	†10·2
Vapour Pressure* ...	mb. **9·6**	mb. **9·6**	mb. 9·7	mb. 9·7	mb. 9·7	mb. 9·9	mb. 10·0	mb. 9·9	mb. 9·8	mb. 9·8	mb. 9·9	mb. 9·9	mb. 9·8	mb. 9·9	mb. 9·9	mb. 9·9	mb. 9·9	mb. 9·8	mb. 9·8	mb. 10·0	mb. **10·1**	mb. **10·1**	mb. 9·9	mb. 9·8	mb. ‡9·9	—

474. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

June, 1927.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	89	91	91	94	95	94	91	94	90	91	87	85	84	78	77	76	75	77	78	88	95	95	99	96	87·8	14·3
2	100	99	98	99	98	99	98	87	80	68	53	47	44	61	46	67	67	66	73	78	83	67	73	74	76·5	13·2
3	70	72	73	72	72	69	62	59	55	57	50	48	48	37	36	35	37	40	41	54	58	64	70	78	**56·5**	9·2
4	80	84	88	88	91	85	80	74	61	51	46	43	42	41	48	48	50	46	49	71	72	70	75	79	65·0	**9·1**
5	78	85	89	91	89	83	77	76	61	47	48	46	47	58	61	61	61	69	83	94	95	94	94	85	73·7	10·8
6	72	76	80	73	72	72	66	84	93	80	71	80	63	66	65	85	78	72	77	73	77	78	78	80	75·6	10·7
7	80	82	84	84	84	83	79	77	75	69	64	60	64	62	64	59	66	68	78	83	91	92	92	92	76·1	11·2
8	94	95	94	91	91	89	84	66	79	65	65	58	55	46	53	44	44	47	52	59	68	73	77	82	69·8	10·6
9	86	88	91	89	88	84	75	72	62	51	45	43	42	36	42	43	41	46	48	51	57	68	60	52	61·5	9·4
10	59	62	64	60	66	64	49	48	50	46	46	46	49	61	62	57	59	60	59	55	61	64	62	63	57·0	9·2
11	66	69	66	69	79	79	73	66	58	55	51	42	43	42	43	45	46	47	49	55	61	66	70	73	58·7	**9·1**
12	76	80	86	86	86	83	82	76	72	67	60	56	50	47	48	47	43	50	57	64	74	79	90	88	68·3	10·6
13	91	98	94	94	91	84	80	65	58	39	34	33	33	30	29	28	29	32	53	59	61	60	63	69	59·0	9·8
14	79	80	84	87	88	80	79	70	66	63	59	56	49	53	62	62	61	64	66	68	68	74	75	74	69·3	11·1
15	78	79	81	79	75	73	70	66	61	59	54	48	46	46	48	48	59	64	67	75	77	79	79	82	66·2	10·0
16	83	86	87	86	87	85	83	77	75	64	60	54	49	42	47	50	53	57	62	69	75	79	84	83	69·8	**15·6**
17	83	79	73	85	85	85	83	78	82	92	90	87	74	72	68	61	56	71	70	76	76	74	79	84	77·6	14·1
18	85	84	89	90	84	80	75	69	66	62	70	53	69	75	63	59	64	67	81	91	94	94	96	94	77·0	12·4
19	86	73	73	72	75	71	65	66	65	59	61	53	57	50	66	52	52	56	60	69	74	80	83	85	67·0	10·9
20	85	87	89	89	86	82	72	67	65	56	52	52	48	48	45	42	48	62	64	69	75	76	81	77	67·5	11·6
21	75	76	78	81	79	78	75	70	68	72	83	85	77	69	78	74	70	48	51	61	65	72	79	84	72·7	11·9
22	90	91	92	91	89	81	71	58	52	49	48	44	41	38	40	42	41	44	48	54	56	67	74	87	62·0	9·8
23	83	82	80	85	91	90	73	63	54	48	44	41	40	40	45	42	50	53	60	67	79	73	74	74	64·1	10·1
24	75	75	75	84	82	82	86	90	89	90	82	70	46	49	52	53	57	59	68	64	80	90	90	83	73·6	11·5
25	83	83	84	87	86	75	73	62	69	57	53	56	52	55	53	55	64	79	73	77	89	91	94	93	72·5	10·9
26	93	86	85	82	68	67	64	65	71	76	86	76	62	54	55	61	71	74	76	73	83	75	81	89	74·0	9·8
27	91	90	91	91	93	91	88	83	77	68	61	66	62	85	91	89	89	89	94	94	97	96	96	95	86·0	11·1
28	95	95	96	95	96	95	94	90	83	76	71	64	63	72	66	76	74	72	74	80	88	88	89	89	82·7	12·5
29	92	92	94	97	98	98	95	85	81	70	60	66	77	76	90	87	93	93	94	91	93	95	96	95	**88·1**	13·6
30	96	97	95	94	95	97	99	98	98	90	81	74	64	63	63	58	55	51	55	60	71	86	91	95	80·3	14·9
Mean	83·1	83·9	84·8	**85·5**	85·3	82 6	78·0	73·4	70·5	64·6	61·5	57·7	**54 7**	55·1	56·9	56·9	58·4	60·8	65·3	70·8	76·4	78·6	81·5	82·5	71·2	†11·3
Vapour Pressure* ...	mb. 11·3	mb. 11·0	mb. 10·8	mb. 10·7	mb. 10·9	mb. 10·9	mb. 11·0	mb. 11·0	mb. 11·2	mb. 10·9	mb. 10·8	mb. 10·7	mb. **10·6**	mb. 10·7	mb. 11·0	mb. 11·0	mb. 11·2	mb. 11·3	mb. 11·6	mb. 11·6	mb. **11·8**	mb. 11·7	mb. 11·7	mb. 11·5	mb. ‡11·1	—
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

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

Percentages at exact hours, Greenwich Mean Time.

475. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres. **July, 1927.**

Hour. G.M.T.	1.	2	3.	4.	5.	6.	7.	8	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	97	94	96	96	96	96	96	98	96	93	84	80	68	71	71	70	70	86	84	82	86	88	89	86·9	14·2
2	88	89	90	95	90	87	86	85	83	79	82	82	84	80	86	84	79	79	82	85	93	93	93	93	86·0	14·0
3	91	90	84	86	87	79	77	67	66	65	63	65	63	65	65	59	61	68	71	79	84	87	90	88	75·1	13·9
4	88	87	89	91	87	84	81	78	75	70	69	58	57	60	60	59	61	63	65	80	88	94	96	96	76·3	15·8
5	98	100	97	98	97	92	84	76	66	68	65	51	68	66	62	61	62	66	62	67	69	79	87	88	76·4	15·6
6	95	97	96	94	91	88	89	81	71	67	63	60	56	54	54	54	60	66	74	72	81	84	90	91	76·1	14·0
7	91	91	95	96	95	95	90	83	75	75	78	80	79	67	64	58	57	61	58	68	78	87	95	93	79·5	14·5
8	94	97	97	94	94	91	89	83	77	66	57	54	52	45	43	50	55	61	55	58	62	66	72	73	70·6	14·5
9	76	80	86	91	90	91	91	95	94	92	89	85	82	77	71	69	68	67	68	71	76	78	76	78	80·7	14·8
10	78	82	81	93	83	84	79	79	74	67	60	58	54	50	44	46	46	46	49	55	66	72	79	83	**66·5**	15·6
11	84	82	81	85	81	77	72	74	68	65	65	61	66	80	93	89	86	82	83	88	91	91	85	88	79·7	17·0
12	90	92	93	91	91	89	94	94	93	90	84	81	81	76	80	81	82	77	80	86	89	89	90	92	86·8	16·4
13	94	96	94	93	92	90	90	89	88	87	84	83	82	86	85	83	80	81	80	84	86	85	86	87	87·0	15·2
14	88	88	87	88	88	88	87	92	93	95	89	93	87	83	81	81	86	90	95	91	94	95	94	95	**89·3**	14·0
15	94	95	95	96	95	91	90	82	77	73	69	67	69	68	67	66	69	71	76	83	84	88	88	87	81·0	13·6
16	85	87	90	86	87	89	90	89	83	75	71	74	74	74	78	77	74	76	77	80	77	80	83	90	81·0	13·1
17	93	92	94	93	92	91	83	81	82	74	73	75	78	77	75	80	76	78	81	82	87	92	93	97	84·0	**12·4**
18	91	87	88	92	98	89	82	71	61	60	63	63	61	58	56	56	58	61	72	73	79	78	76	79	73·4	12·7
19	78	82	88	87	80	78	76	76	73	68	66	65	63	59	57	54	58	66	72	77	79	81	81	86	72·8	13·0
20	85	87	88	86	88	85	82	81	81	79	82	86	86	84	76	77	79	80	82	90	90	85	88	91	84·0	15·0
21	92	92	91	93	97	97	94	90	91	89	85	79	82	82	81	70	75	75	77	81	82	86	88	88	85·7	16·4
22	89	89	90	90	90	88	85	82	75	71	61	52	55	50	61	63	63	68	71	72	73	76	81	85	74·2	14·0
23	86	87	87	87	87	85	77	71	65	59	64	64	66	65	65	72	80	74	73	71	73	70	68	83	74·2	13·1
24	88	89	91	89	92	93	88	79	70	66	61	62	71	70	68	70	75	77	81	83	86	89	93	92	79·9	14·2
25	93	92	92	90	94	90	84	80	74	67	59	54	55	51	56	51	56	56	61	70	81	83	86	88	73·5	15·6
26	87	88	88	90	88	87	85	82	72	73	69	67	61	57	58	59	56	54	66	72	75	84	88	90	74·8	15·5
27	85	83	84	87	86	91	92	88	80	83	77	70	76	60	57	66	68	75	76	82	81	80	90	90	79·5	15·3
28	91	92	91	92	91	89	87	81	74	65	63	64	74	70	80	78	81	76	76	75	82	84	88	89	80·6	15·0
29	91	90	93	93	96	92	87	78	76	76	80	82	81	76	72	68	68	74	79	82	85	90	90	89	82·8	15·9
30	93	92	95	88	86	88	86	83	79	80	84	82	86	81	83	83	80	71	74	81	85	90	89	94	84·6	**17·1**
31	95	93	94	94	94	92	87	84	76	73	65	66	65	62	57	59	60	59	70	78	81	83	85	84	77·5	15·4
Mean	89·3	89·8	90·4	**90·8**	90·4	88·6	85·8	82·3	77·7	74·6	72·0	69·9	70·8	67·8	67·9	**67·5**	68·7	69·9	73·3	77·4	81·3	84·0	86·3	88·3	79·4	†14·7
Vapour Pressure* ...	mb. 14·3	mb. 14·2	mb. 14·2	mb. **14·1**	mb. 14·2	mb. 14·4	mb. 14·6	mb. 14·8	mb. 14·8	mb. 14·8	mb. 14·8	mb. 14·8	mb. **15·0**	mb. 14·8	mb. 14·8	mb. 14·8	mb. 14·8	mb. 14·9	mb. 14·9	mb. 14·8	mb. 14·7	mb. 14·7	mb. 14·6	mb. 14·5	mb. ‡14·6	—

476. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres. **August, 1927.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	91	92	89	88	86	86	81	82	84	75	80	82	87	87	93	93	93	90	91	92	94	98	94	88·1	14·9
2	97	97	97	95	97	95	91	88	82	75	69	59	53	50	48	53	50	50	55	73	73	78	86	93	75·2	13·9
3	94	95	94	94	98	95	88	77	78	66	59	57	49	48	47	49	50	49	62	61	64	68	75	81	71·0	14·4
4	82	78	88	94	87	87	83	79	70	60	55	51	44	43	43	50	57	59	66	66	73	79	82	85	**69·1**	14·8
5	87	89	90	93	91	91	89	87	81	76	74	72	66	65	68	64	68	69	74	74	81	83	84	85	79·2	17·5
6	85	88	88	92	93	93	91	87	82	75	79	74	72	72	74	83	83	86	83	86	87	88	89	91	84·1	**19·0**
7	92	94	92	87	86	92	92	94	91	88	75	67	64	60	64	65	67	68	70	79	83	87	89	89	80·7	17·3
8	90	94	92	96	98	97	96	97	97	95	94	86	79	73	64	54	53	53	59	75	80	85	86	88	82·6	17·3
9	86	85	84	86	92	86	93	85	81	77	82	77	71	65	65	62	60	66	71	80	80	84	86	88	78·8	15·8
10	88	91	92	93	90	96	91	88	80	75	69	79	70	60	60	61	62	64	74	80	83	86	86	89	79·4	15·9
11	86	88	90	90	86	84	79	71	73	69	64	60	61	56	63	63	64	67	65	74	79	85	88	89	74·7	14·0
12	93	93	92	94	94	92	86	85	81	76	67	73	61	62	66	71	73	78	86	88	87	91	90	89	82·0	15·2
13	91	89	89	89	88	86	84	79	78	66	68	83	87	91	92	93	94	94	92	94	94	96	96	94	87·7	16·6
14	94	94	93	92	93	92	88	83	79	68	68	65	71	66	68	76	84	82	81	86	88	87	90	86	82·4	16·5
15	86	88	88	87	88	87	84	79	76	72	64	62	75	80	80	89	89	90	93	91	91	93	95	94	84·0	14·4
16	94	93	94	94	92	93	89	85	76	71	67	69	75	77	76	89	82	91	93	93	91	93	94	95	86·0	14·1
17	94	97	96	97	96	95	93	90	87	70	66	58	54	55	48	54	59	62	65	72	70	66	69	78	75·0	**12·7**
18	91	96	95	94	95	97	95	94	94	94	77	68	56	55	54	55	55	54	63	73	82	89	87	91	79·0	14·2
19	96	96	97	99	98	98	95	90	81	94	88	83	75	71	66	63	68	69	74	84	84	88	89	91	84·9	13·7
20	93	93	91	90	88	89	90	93	94	96	96	96	94	94	91	90	87	89	91	92	91	92	95	93	**92·0**	15·4
21	93	94	93	94	93	93	87	82	75	74	68	63	61	81	77	72	68	65	76	80	84	84	86	88	80·6	15·2
22	91	87	85	90	87	86	91	89	84	88	76	70	69	63	57	72	73	71	71	76	78	81	82	84	79·7	14·6
23	85	85	84	85	87	87	85	80	74	67	65	66	67	65	51	55	62	69	70	81	83	86	85	87	75·4	13·8
24	88	91	89	93	94	94	88	83	78	72	65	60	74	90	85	89	90	70	90	94	90	89	89	93	84·8	12·9
25	92	98	98	100	96	95	95	94	90	93	89	90	80	84	71	99	96	90	79	93	91	93	95	96	91·5	13·0
26	100	100	99	100	100	100	99	89	79	75	64	62	64	70	68	71	74	79	81	81	77	81	88	89	83·0	12·8
27	87	88	88	90	91	90	88	80	74	70	64	65	60	61	64	64	65	68	75	80	84	87	89	93	77·6	13·8
28	90	93	90	90	88	82	76	72	69	64	63	58	56	56	61	62	64	68	76	82	86	91	90	97	75·9	13·5
29	97	98	96	98	98	98	96	86	80	77	70	66	62	55	55	55	61	68	74	78	81	81	84	79	79·3	14·4
30	78	84	85	87	88	89	86	86	80	77	74	71	73	70	74	70	76	72	75	81	82	86	87	89	79·8	16·6
31	90	91	92	93	93	93	95	93	91	88	85	80	76	71	66	68	69	71	74	80	88	94	94	96	84·5	18·7
Mean	90·3	91·5	91·4	**92·4**	92·0	91·5	89·3	85·3	81·2	77·2	72·2	70·0	67·8	67·6	**66·5**	69·5	70·8	71·7	75·7	81·2	83·1	86·0	87·8	89·5	80·9	†15·1
Vapour Pressure* ...	mb. 14·5	mb. 14·6	mb. 14·5	mb. 14·4	mb. **14·3**	mb. 14·5	mb. 14·8	mb. 14·9	mb. 15·2	mb. 15·2	mb. 15·0	mb. 15·0	mb. 15·1	mb. 15·2	mb. 15·1	mb. 15·4	mb. **15·5**	mb. 15·2	mb. 15·1	mb. 15·1	mb. 14·8	mb. 14·8	mb. 14·8	mb. 14·7	mb. ‡14·9	—
Hour G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

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

Percentages at exact hours, Greenwich Mean Time.

477. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

September, 1927.

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

478. Richmond (Kew Observatory): North Wall Screen : h_t = 3·0 metres.

October, 1927.

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

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

Percentages at exact hours, Greenwich Mean Time.

477. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres

November, 1927.

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

478. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres. **December, 1927.**

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

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

HUMIDITY: ANNUAL MEANS FROM HOURLY VALUES.

For exact hours, Greenwich Mean Time.

481. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1927.**

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 87·1	% 87·8	% 88·5	% 88·9	% **89·1**	% 88·6	% 87·1	% 84·5	% 81·4	% 77·5	% 73·9	% 71·1	% 69·3	% **68·6**	% 69·0	% 70·4	% 72·2	% 74·5	% 77·3	% 80·6	% 82·8	% 84·1	% 85·3	% 86·3	% 80·2
Vapour Pressure in millibars*	mb. 9·6	mb. 9·5	mb. 9·5	mb. 9·5	mb. **9·4**	mb. 9·5	mb. 9·6	mb. 9·7	mb. 9·8	mb. 9·9	mb. 9·9	mb. 9·9	mb. 9·9	mb. 9·9	mb. 10·0	mb. **10·2**	mb. 10·1	mb. 10·0	mb. 10·0	mb. 10·0	mb. 9·9	mb. 9·8	mb. 9·7	mb. 9·7	mb. 9·8

* Computed from the mean temperature and mean relative humidity.

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

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

482. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1927.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	86·2	+ 2·9	+ 2·7	+ 2·9	+ 2·7	+ 3·6	+ 3·0	+ 3·2	+ **3·9**	+ 3·3	+ 2·1	− 0·8	− 4·4	− 6·5	− **8·2**	− 7·2	− 5·1	− 2·5	− 1·2	− 0·3	− 0·5	+ 0·7	+ 1·6	+ 2·1	+ 2·2
Feb.	86·3	+ 2·5	+ 2·8	+ 3·1	+ 3·1	+ 3·7	+ 3·7	+ **4·3**	+ 3·8	+ 3·1	+ 0·3	− 3·2	− 5·7	− 5·7	− 6·5	− **7·3**	− 6·3	− 3·7	− 2·0	− 0·2	+ 1·3	+ 1·9	+ 2·4	+ 2·1	+ **2·3**
Mar.	78·4	+ 7·0	+ 8·1	+ 8·4	+ 7·9	+ 7·8	+ **9·2**	+ 8·7	+ 6·7	+ 3·0	− 2·9	− 7·6	−10·3	−13·8	−**14·3**	−13·1	−11·6	− 8·9	− 4·7	− 1·1	+ 1·5	+ 4·0	+ 4·5	+ 5·5	+ 6·1
April	71·4	+11·3	+12·7	+13·8	+14·0	+**15·0**	+13·5	+10·3	+ 5·6	− 0·8	− 6·0	−10·5	−14·1	−**15·9**	−15·5	−15·1	−14·1	−13·9	− 9·9	− 5·3	− 0·2	+ 2·7	+ 4·4	+ **7·7**	+10·4
May	68·0	+12·1	+14·0	+16·4	+18·1	+**18·4**	+16·4	+11·7	+ 3·6	− 2·3	− 6·8	−10·5	−12·7	−15·1	−16·4	−16·3	−**16·5**	−15·2	−13·3	− 9·7	− 2·5	+ 2·8	+ 6·2	+ 7·6	+ 9·8
June	71·2	+12·0	+12·7	+13·7	+**14·4**	+14·2	+11·5	+ 6·9	+ 2·2	− 0·6	− 6·6	− 9·7	−13·5	−**16·5**	−16·1	−14·3	−14·3	−12·8	−10·5	− 5·9	− 0·5	+ 5·2	+ 7·4	+10·2	+**11·2**
July	79·4	+ 9·7	+10·3	+10·8	+**11·3**	+10·9	+ 9·1	+ 6·4	+ 2·8	− 1·7	− 4·8	− 7·4	− 9·5	− 8·6	−11·6	−11·4	−**11·8**	−10·6	− 9·3	− 6·0	− 1·8	+ 2·0	+ 4·8	+ 7·1	+ 9·1
Aug.	80·9	+ 9·4	+10·6	+10·4	+**11·4**	+11·0	+10·5	+ 8·3	+ 4·3	+ 0·1	− 3·9	− 3·9	−11·1	−13·4	−13·5	−**14·6**	−11·7	−10·3	− 9·5	− 5·5	0·0	+ 1·9	+ 4·7	+ 6·6	+ 8·2
Sept.	83·9	+ 6·2	+ 6·7	+ 7·7	+ 8·2	+ 8·6	+ **8·7**	+ 8·1	+ 4·8	+ 0·3	− 4·1	− 9·2	−12·4	−**13·4**	−12·1	−11·2	−10·0	− 8·3	− 4·0	0·0	+ 3·7	+ 4·5	+ 5·3	+ 5·7	+ 6·3
Oct.	87·5	+ 4·7	+ 5·0	+ 5·9	+ 6·0	+ 6·8	+ 6·8	+ **6·9**	+ 5·4	+ 2·8	− 1·7	− 6·0	− 8·2	−10·6	−**11·8**	−10·6	− 8·8	− 5·3	− 1·3	+ 0·1	+ 2·1	+ 2·4	+ 2·7	+ 3·3	+ 3·5
Nov.	87·5	+ 3·2	+ 3·0	+ 2·9	+ 3·6	+ 3·2	+ 3·7	+ **3·7**	+ 3·3	+ 3·2	+ 0·3	− 2·3	− 5·3	− 7·5	− **9·1**	− 7·7	− 5·4	− 2·6	− 0·4	+ 0·3	+ 1·3	+ 1·8	+ 1·6	+ 2·3	+ 2·9
Dec.	82·8	+ 0·9	+ 1·3	+ 2·3	+ 2·9	+ 3·0	+ 3·3	+ 3·8	+ **4·1**	+ 3·4	+ 1·3	− 0·4	− 2·6	− 4·2	− **5·1**	− 4·6	− 2·9	− 2·3	− 2·3	− 1·6	− 0·7	− 0·1	+ 0·1	− 0·1	+ 0·5
Year	80·2	+ 6·8	+ 7·5	+ 8·2	+ 8·6	+ **8·9**	+ 8·3	+ 6·9	+ 4·2	+ 1·1	− 2·7	− 6·0	− 9·1	−10·9	−**11·7**	−11·1	− 9·9	− 8·0	− 5·7	− 2·9	+ 0·3	+ 2·5	+ 3·8	+ 5·0	+ 6·0

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

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

483. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **1927.**

Hour G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
Amount	mm. 29·5	mm. 30·4	mm. 25·2	mm. 35·9	mm. 32·6	mm. 39·9	mm. 37·9	mm. 38·4	mm. 38·3	mm. 43·6	mm. 34·2	mm. 22·8	mm. 27·8	mm. 39·1	mm. **66·5**	mm. 57·9	mm. 31·0	mm. 30·7	mm. 27·2	mm. 26·2	mm. 23·1	mm. 28·2	mm. **21·3**	mm. 28·1	mm. 815·8
Duration	hr. 16·1	hr. 21·7	hr. 20·9	hr. 24·9	hr. **31·3**	hr. 28·8	hr. 27·1	hr. 26·5	hr. 26·0	hr. 22·2	hr. 22·8	hr. 19·7	hr. 18·3	hr. 22·4	hr. 23·8	hr. 24·9	hr. 23·7	hr. 21·1	hr. 20·9	hr. 20·2	hr. 20·0	hr. 18·5	hr. 15·2	hr. **13·0**	hr. 530·0

484. Richmond (Kew Observatory). NOTES ON RAINFALL. **1927.**

Dry Periods.

There were no outstanding periods of dry weather during the year, in fact the longest spell of consecutive days without rain occurred from October 3rd to 12th inclusive. A period of 19 days between April 16th and May 4th was interrupted by falls of 2·1 mm. on April 24th and 0·1 mm. on April 29th.

Wet Periods.

Rain fell on every day from February 20th to March 2nd (11 days) and from August 12th to 22nd (11 days). The spell of wet weather in August persisted from the 7th to the 25th, except for breaks on the 11th and the 23rd.

Rainfall Duration.

There were 60 calendar days on which the duration was registered as 0·1 to 1·0 hours, 26 days with 1·1 to 2·0 hours, 58 days with 2·1 to 6·0 hours, 24 days with 6·1 to 12 hours and 4 days with more than 12 hours.

Continuous Falls.

On November 29th it rained continuously for 12·7 hours from $6^h\ 18^m$ to 18^h (34·1 mm. fell on this day between 3^h and 22^h).

Heavy Falls in Short Periods.

The most outstanding fall occurred during a thunderstorm on July 11th when 28 mm. fell in 2 hours.
The following list includes all dates on which 5 mm. fell within an hour.

	Mar. 25 h m	June 27 h m	July 11 h m	Aug. 8 h m	Aug. 24 h m	Aug. 25 h m	Sep. 14 h m	Sep. 15 h m	Sep. 17 h m	Sep. 23 h m	Sep. 29 h m	Nov. 29 h m
5 mm. ...	54	18	6	48	12	5	48	24	42	36	18	54
10 mm. ...	2 48	—	18	—	—	18	5 18	1 0	4 12	1 42	3 18	3 0
25 mm. ...	—	—	1 0	—	—	—	8 0	—	—	—	—	8 48

A fall of 38·4 mm. was recorded between 13^h on September 14th and 8^h on September 15th.

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

485. Richmond (Kew Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **January, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·1	·1	...	...	...	...	...	...	...	1·4	1·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	·3	·2	·7	·3	...	·1	...	...	...	...	...	...	...	...	...	...	...	1·6	2·8
6	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·8	·1	·3	·1	...	...	...	1·5	1·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	0·4	0·6
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	2·0	...	2·4	1·9
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	1·1	·2	...	...	2·2	2·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	2·1	·1	·6	1·3	...	...	...	...	4·3	2·3
15	...	...	...	...	...	(␣)	(␣)	(·1)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	0·1	...
16	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	0·1	...
17	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	...	...	...	·5	·5	...	...	...	...	1·2	1·2	·8	·3	...	...	...	·2	4·8	4·7
18	·3	·4	·5	·5	(1·4)	(·3)	...	·3	(1·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·7	4·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(␣)	(␣)	(␣)	...	...
20	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
21	...	...	...	·2	·7	1·0	·8	(1·8)	(1·8)	(1·8)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**8·1**	**6·1**
22	...	...	...	...	...	...	...	...	...	...	(1·6)	(1·6)	(1·4)	...	...	...	...	...	...	...	...	...	...	...	4·6	2·7
23	(␣)	(␣)	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	(≡)	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	0·2	...
24	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·2	...	·1	...	·1	...	...	...	...	1·2	1·6
27	...	...	...	...	...	...	...	...	...	...	1·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·7	0·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	0·3	0·3
29	·1	1·4	·4	1·1	3·1	·8	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·1	5·0
30	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·9	...	...	...	...	...	...	...	...	1·1	0·7
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·4
Sum.	0·4	1·8	1·3	1·8	**5·3**	2·1	1·2	2·7	3·0	2·5	4·0	2·2	1·5	0·3	1·1	4·3	1·9	2·8	2·2	0·8	1·3	1·2	2·2	0·6	48·5	39·1
Total Duration.	hr. 0·7	hr. 1·6	hr. 1·0	hr. 1·6	hr. **2·9**	hr. 2·3	hr. 1·3	hr. 2·4	hr. 2·2	hr. 1·4	hr. **2·9**	hr. 1·7	hr. 1·2	hr. 0·5	hr. 1·2	hr. 2·4	hr. 2·0	hr. 2·3	hr. 1·6	hr. 1·2	hr. 1·3	hr. 1·1	hr. 1·5	hr. 0·8	hr. 39·1	—

486. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. **February, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	2·2	3·1	(3·2)	(3·2)	**14·0**	5·5
2	(3·2)	(1·1)	(1·1)	(1·0)	(1·0)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·4	5·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	1·8	·4	·1	...	...	...	3·2	2·4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	·1	·2	1·2	·6	1·3	·9	1·0	·8	·5	...	...	...	...	...	6·6	7·7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(≡)	(≡)	(≡)	...	...
15	(≡)	(≡)	(·1)	(≡)	(≡)	(≡)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1
16	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	·3	2·1	1·9	1·2	...	...	...	...	...	·7	·3	...	...	...	...	...	...	...	...	...	6·5	3·4
21	...	...	...	...	·9	1·1	·1	·1	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	...	2·4	2·8
22	·1	·7	·1	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·8	...	·1	·4	·7	...	...	2·6	3·5
23	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·6	...	...	...	...	...	...	...	...	...	...	3·0	1·1
24	·3	2·3	1·5	2·1	·6	·4	·1	·2	·1	...	...	...	...	·3	1·5	·4	·5	...	...	...	...	...	...	...	10·3	**10·0**
25	...	...	...	...	(...)	(·1)	...	...	...	...	...	2·5	1·9	2·1	...	·1	·1	...	·1	·1	(␣)	(␣)	(␣)	(·1)	7·1	3·6
26	(␣)	(␣)	(␣)	(␣)	(·1)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	2·0	2·9	·9	·1	...	...	...	...	6·0	2·5
27	1·9	...	·9	...	...	...	·8	·3	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	2·2
28	...	...	·3	2·0	·7	·6	1·5	1·7	1·9	1·2	·3	...	...	...	1·3	·6	·1	·1	·2	·1	...	...	...	...	12·6	9·5
Sum.	**5·9**	4·1	4·0	5·2	4·0	4·3	4·4	3·5	2·2	1·5	0·5	2·7	4·1	4·3	4·4	2·0	3·7	5·4	4·3	2·7	2·7	3·8	3·3	3·3	86·3	59·6
Total Duration.	hr. 2·5	hr. 2·7	hr. 2·9	hr. 3·7	hr. 3·8	hr. **4·0**	hr. 3·9	hr. 2·9	hr. 2·0	hr. 1·4	hr. 0·7	hr. 1·5	hr. 2·2	hr. 3·2	hr. 2·8	hr. 2·5	hr. 2·7	hr. 3·1	hr. 3·2	hr. 2·2	hr. 1·6	hr. 1·6	hr. 1·5	hr. 1·0	hr. 59·6	—
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

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

487. Richmond (Kew Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **March, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	·5	...	...	...	...	...	...	·1	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	0·8	0·6
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·1	·8	·2	...	...	1·4	1·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	(...)	(·1)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	3·2	·1	1·4	...	·3	·1	...	...	5·3	3·0
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	·2	·5	...	·5	1·2	1·0	·2	...	...	...	·3	...	...	...	...	·1	...	...	...	...	...	...	...	...	4·0	4·8
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	·3	...	...	...	...	...	...	0·8	0·5
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	...	...	...	0·6	0·7
10	·1	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	0·4
23	·1	·4	·4	·1	...	·1	...	...	...	·1	·9	·4	1·4	·8	1·0	·2	·8	...	...	...	...	...	...	...	6·7	**7·3**
24	...	...	...	...	·3	3·1	2·1	·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·2	2·3
25	·2	·2	...	...	...	...	...	...	2·0	6·7	1·7	·4	·4	...	·4	·9	·3	·1	1·9	...	·5	·3	...	·3	**16·3**	5·9
26	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	·2	...	...	...	...	...	...	...	1·3	1·0
27	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	...	...	...	...	...	...	...	0·3	0·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	·2	·4	·4	1·0	·4	·2	...	·2	·1	...	·1	·1	...	...	...	...	3·1	5·7
30	...	...	...	·1	·8	·3	...	...	...	...	...	...	...	·7	...	...	·1	...	...	...	...	...	...	...	2·0	1·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	1·2	·1	2·4	...	1·6	·4	...	6·1	3·6
Sum.	0·8	1·3	0·9	0·9	2·3	4·5	2·4	0·3	2·8	**7·3**	3·4	1·8	2·2	1·8	2·7	2·2	5·4	1·9	3·7	2·6	1·6	2·2	0·4	0·3	55·7	39·8
Total Duration.	hr. 1·8	hr. 2·3	hr. 1·3	hr. 1·1	hr. 2·3	hr. 2·5	hr. 1·2	hr. 0·6	hr. 1·3	hr. 2·2	hr. **2·9**	hr. 2·2	hr. 2·0	hr. 1·4	hr. 1·3	hr. 1·8	hr. **2·9**	hr. 1·7	hr. 2·8	hr. 1·2	hr. 0·9	hr. 1·6	hr. 0·2	hr. 0·3	hr. 39·8	—

488. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. **April, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·2	1·2	·7	·8	1·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3	3·5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	·3	·7	·3	·3	...	...	2·5	5·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	0·4	0·4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	...	0·2	0·6
6	·5	1·2	4·4	4·0	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·6	3·9
7	...	...	...	·1	·9	1·3	·5	1·5	·8	1·4	1·9	·4	·2	·8	·4	...	...	·2	...	1·3	·5	(p)	(p)	(p)	**12·2**	**10·2**
8	(p)	(p)	(·1)	(p)	(p)	(p)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	2·9	3·4	1·3
9	·6	·9	·2	...	...	·4	...	·1	·4	...	·6	·2	·1	2·5	·7	·5	...	...	...	...	...	...	...	...	7·2	6·2
10	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	·2	...	...	...	...	0·7	0·6
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·2	...	1·3	1·9
15	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	1·1	·6	·4	...	...	...	...	...	...	...	...	...	2·1	0·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·5	2·1	**4·8**	4·4	1·6	2·9	1·2	2·4	2·6	1·7	2·5	0·6	1·4	3·9	1·6	0·6	0·3	0·8	0·3	2·2	1·5	0·9	0·6	2·9	45·3	35·0
Total Duration.	hr. 1·7	hr. 2·0	hr. 1·8	hr. 1·4	hr. 1·8	hr. **2·4**	hr. 1·4	hr. 1·4	hr. 2·2	hr. 1·4	hr. 1·2	hr. 1·0	hr. 0·6	hr. 2·0	hr. 1·3	hr. 1·1	hr. 0·8	hr. 1·1	hr. 0·9	hr. 1·6	hr. 2·3	hr. 1·8	hr. 0·9	hr. 0·9	hr. 35·0	—
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

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

489. Richmond (Kew Observatory) H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **May, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·4
6	...	·2	...	...	...	...	...	1·4	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	1·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	·1	·1	·2	·1	·1	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	1·5	2·2
16	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2
17	·4	2·0	1·9	2·6	·1	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	4·7
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	·4	·7	...	...	...	...	...	1·6	0·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	·8	2·2	2·1	1·6	1·4	·8	1·7	1·7	·1	...	·3	·4	·4	...	...	...	...	...	...	...	**13·5**	**10·9**
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·4	2·2	2·0	2·7	1·1	**3·1**	2·4	3·0	2·4	0·8	1·9	1·9	0·1	0·4	0·4	0·4	1·3	0·4	0·7	...	...	...	...	...	27·6	20·5
Total Duration.	hr. 0·3	hr. 1·3	hr. 1·3	hr. 1·1	hr. 2·0	hr. **2·4**	hr. 1·3	hr. 1·6	hr. 1·7	hr. 1·0	hr. 1·0	hr. 1·1	hr. 0·3	hr. 0·1	hr. 1·2	hr. 1·0	hr. 1·3	hr. 0·3	hr. 0·2	hr. ...	hr. ...	hr. ...	hr. ...	hr. ...	hr. 20·5	—

490. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **June, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	0·2	0·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	0·3	1·2
6	...	...	...	...	...	...	...	·1	·5	...	...	...	·2	·4	...	·9	...	1·0	...	...	...	...	...	...	3·1	2·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	...	...	0·5	0·8
8	·8	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	1·4
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	2·7	2·7	·5	...	...	...	...	...	...	·8	...	...	...	...	...	6·7	2·7
18	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	·2	2·1	·7	·7	2·6	·6	7·2	3·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	0·1
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	0·6	0·5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	·4	1·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·3
24	...	...	...	·3	·1	·2	1·2	1·5	·5	·6	1·8	...	...	...	...	...	...	...	...	...	...	1·3	·2	...	7·7	**5·8**
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	·5	·6	·2	1·5	2·1
26	·4	·7	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	·2	...	...	...	...	...	...	...	1·7	2·0
27	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	7·6	3·6	·4	·6	·8	1·3	...	...	...	...	**17·6**	3·5
28	...	...	...	...	·2	...	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	...	...	1·8	0·9
29	...	...	·1	·5	·9	·5	...	...	...	...	...	...	...	...	1·0	...	1·5	·1	·3	·3	·2	·2	...	...	5·6	4·5
30	...	...	...	...	...	1·6	2·7	1·1	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·5	2·7
Sum.	1·2	1·2	0·1	1·2	2·6	2·4	3·9	2·7	2·0	3·4	4·8	0·6	0·2	5·6	**9·3**	4·5	2·1	1·8	2·1	4·0	1·4	3·0	3·4	0·8	64·3	35·4
Total Duration.	hr. 1·0	hr. 1·4	hr. 0·1	hr. 0·9	hr. **3·1**	hr. 1·5	hr. 1·8	hr. 1·9	hr. 2·0	hr. 1·3	hr. 2·2	hr. 0·8	hr. 0·3	hr. 1·5	hr. 1·8	hr. 1·0	hr. 1·1	hr. 0·7	hr. 1·5	hr. 2·1	hr. 1·8	hr. 2·7	hr. 2·1	hr. 0·8	hr. 35·4	—
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

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

491. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **July, 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	0–24	Duration.
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·1	·7	2·3	2·1	4·0	3·6	2·1	...	...	...	...	...	...	...	·4	·1	...	...	...	...	15·4	6·1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·8
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	...	1·1	3·0	4·4	2·7
7	·2	·1	1·1	1·1	·1	...	...	...	...	...	·1	·5	·3	·2	...	...	...	...	...	...	...	...	...	...	3·7	4·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	·6	·7	1·9	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	3·3	1·1
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	25·0	2·6	...	...	...	...	...	...	...	...	**28·0**	2·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	·2	1·9	2·5	1·7	1·0	·3	...	...	...	·1	·2	·3	·4	·2	(...)	(·1)	...	8·9	**8·8**
15	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
18	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	0·2	0·2
21	...	...	...	...	2·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	1·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	1·8	1·5	...	...	·3	...	...	·2	...	...	...	...	...	...	·1	...	...	1·6	1·5	7·0	2·5
28	...	...	·1	1·3	...	...	...	...	...	...	...	...	·5	...	·2	...	...	...	...	...	...	...	...	...	2·1	1·5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum...	0·2	0·1	1·3	2·8	2·4	2·7	3·9	2·9	6·7	8·3	3·9	1·5	1·3	0·7	**25·2**	2·6	0·1	0·2	0·8	0·6	0·6	...	2·8	4·5	76·1	31·7
Total Duration.	hr. 0·5	hr. 0·3	hr. 1·5	hr. **2·5**	hr. 2·0	hr. 1·5	hr. 1·4	hr. 1·8	hr. 2·3	hr. **2·5**	hr. 1·8	hr. 1·4	hr. 1·1	hr. 0·4	hr. 1·2	hr. 1·0	hr. 0·5	hr. 0·9	hr. 1·5	hr. 1·2	hr. 1·3	...	hr. 1·3	hr. 1·8	hr. 31·7	—

492. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **August, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	·2	...	...	...	...	...	...	...	·5	·2	·7	1·5	...	...	1·3	1·2	·2	...	...	...	...	...	...	6·0	5·9
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	·1	·8	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	1·4
8	...	...	...	4·9	...	...	1·0	2·7	2·3	·8	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	12·1	5·6
9	...	...	...	...	...	...	3·4	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·6	0·9
10	...	...	...	...	...	·7	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	1·2	1·0
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	·3	·1	...	...	·1	·1	...	...	...	...	...	...	...	·1	...	·6	·3	·1	·8	·9	·1	3·5	3·5
13	·6	...	...	...	...	...	...	...	...	...	...	...	·2	1·1	·7	·1	·7	...	...	...	...	...	...	...	3·4	2·9
14	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	·1	...	...	...	...	...	...	...	...	0·7	0·3
15	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·3	·5	·5	1·7	·7	·2	·4	2·8	·3	...	7·9	6·8
16	...	...	...	...	·2	3·3	...	...	...	...	...	...	...	...	...	2·5	...	3·7	...	...	...	...	...	...	9·7	1·9
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·1
18	3·1	4·1	2·6	·3	·6	1·0	·7	·2	·1	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	1·6	**15·1**	**7·4**
19	1·5	·2	...	...	...	...	...	...	...	1·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	2·1
20	...	...	...	...	...	...	·5	1·0	1·7	2·5	3·0	·7	·4	·8	...	...	...	...	...	...	...	...	1·0	...	11·6	7·0
21	...	...	...	...	...	...	·1	...	...	...	...	...	...	·5	...	...	...	...	...	...	...	...	...	·2	0·8	0·9
22	...	...	·3	·4	...	...	·4	·4	...	·3	·2	...	...	...	...	·3	...	...	...	...	...	...	...	...	2·3	2·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	·3	6·0	·7	·4	...	·4	...	...	...	...	...	...	7·8	1·4
25	...	...	...	...	...	...	·1	·1	·2	·2	·2	...	...	·2	·3	11·5	·4	...	...	...	...	...	...	...	13·2	2·2
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·1
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum...	5·4	4·5	2·9	5·9	1·0	5·8	6·9	4·5	4·4	6·0	4·1	2·1	3·3	9·0	2·0	**16·7**	2·9	6·0	1·3	0·5	0·5	3·6	2·2	2·0	103·5	53·6
Total Duration.	hr. 2·4	hr. 1·6	hr. 1·2	hr. 2·5	hr. 1·4	hr. 2·1	hr. **3·9**	hr. 3·2	hr. 2·7	hr. **3·9**	hr. 3·4	hr. 2·4	hr. 2·3	hr. 3·7	hr. 1·8	hr. 3·4	hr. 2·8	hr. 1·7	hr. 1·4	hr. 0·3	hr. 0·8	hr. 1·5	hr. 1·9	hr. 1·3	hr. 53·6	—
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	—	—

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

493. Richmond (Kew Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **September, 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	0–24	Duration. 0·24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·7	1·0	·1	...	...	...	...	...	...	...	2·2	2·5
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·1
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·1
10	...	...	...	·1	1·0	1·0	1·6	1·7	·7	2·0	2·4	...	...	...	...	...	...	·6	...	...	...	...	...	...	11·1	7·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·6	2·6	·1	...	·3	...	...	...	...	...	3·8	2·8
14	...	...	...	...	...	...	...	...	...	...	...	·1	...	·4	·8	1·2	1·3	1·1	3·0	2·1	1·6	3·3	·2	4·1	19·2	**10·3**
15	8·6	2·8	1·3	1·1	2·4	1·7	·8	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	**19·6**	7·5
16	...	...	...	...	...	...	...	...	...	...	·1	...	...	·6	·5	...	...	...	...	...	...	...	...	...	1·2	0·6
17	...	...	...	...	·4	1·9	2·0	4·2	1·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·2	4·6
18	...	...	...	...	...	·9	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·6
19	...	...	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·8
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	0·5	0·8
22	·2	...	·9	1·7	1·4	...	...	·2	...	·1	·1	·4	1·5	·9	·2	1·3	...	...	2·1	1·1	...	...	...	...	12·1	7·6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	3·4	7·5	3·4	1·5	·1	...	·4	...	...	...	18·1	5·8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	...	0·7	0·2
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	...	0·1	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	·9	·3	1·5	1·0	5·5	2·9	·6	...	...	...	...	(p)	(p)	(p)	12·7	5·9
30	(p)	(p)	(·1)	(p)	(p)	(p)	(p)	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·2	0·1
Sum.	8·8	2·8	3·0	3·1	5·2	5·5	4·5	7·1	2·5	2·1	3·5	1·0	3·2	4·9	11·7	**16·7**	5·6	4·0	5·5	3·2	2·0	3·3	0·4	4·4	114·0	58·4
Total Duration.	hr. 1·6	hr. 1·0	hr. 2·6	hr. 2·2	hr. 3·6	hr. 3·9	hr. 3·3	hr. 3·0	hr. 2·1	hr. 1·1	hr. 2·1	hr. 1·5	hr. 2·0	hr. 4·0	hr. **5·2**	hr. **5·2**	hr. 3·1	hr. 2·6	hr. 2·4	hr. 1·3	hr. 1·6	hr. 1·0	hr. 0·7	hr. 1·3	hr. 58·4	—

494. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. **October, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	·1	...	·1	...	...	·3	·4	...	...	·3	·1	·1	...	...	...	...	...	1·4	2·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·1	...	...	...	...	...	...	1·4	0·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	(...)	(...)	(...)	(...)	(·1)	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	0·3	0·5
14	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	·1	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	0·4	0·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
22	·7	·9	·6	·1	·3	·6	·3	·1	·1	...	...	·1	·4	1·2	1·7	2·9	1·8	1·1	...	...	...	...	...	...	**12·9**	**12·1**
23	...	...	...	...	...	...	(·1)	(...)	(...)	(...)	(...)	(...)	(...)	(·1)	(...)	(...)	(...)	(...)	...	...	...	...	...	...	0·2	0·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	...	...	...	...	...	·2	·4	·1	...	...	...	1·1	2·1
27	...	...	...	...	...	(...)	(·1)	...	...	...	...	...	...	·1	1·0	·9	...	1·9	·1	·4	1·2	1·2	...	...	6·9	3·6
28	...	...	...	...	...	...	·7	·1	...	...	...	·4	·1	...	...	...	...	...	...	·2	...	...	...	...	1·5	1·5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·1
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	·1	·6	·4	·2	·3	·2	·2	·2	1·4	...	...	2·1	...	...	...	...	...	...	...	...	...	...	...	...	5·7	7·0
Sum.	0·9	1·5	1·0	0·3	0·7	0·9	1·6	0·7	1·6	0·1	...	2·6	1·0	1·9	2·9	3·8	2·4	**4·2**	0·4	1·0	1·3	1·3	...	0·1	32·2	30·5
Total Duration.	hr. 0·6	hr. 1·9	hr. 1·5	hr. 1·2	hr. 1·7	hr. 2·3	hr. **2·4**	hr. 1·4	hr. 1·3	hr. 0·2	hr. 0·1	hr. 1·5	hr. 1·8	hr. 1·5	hr. 1·7	hr. 1·5	hr. 1·7	hr. 2·2	hr. 0·9	hr. 1·5	hr. 0·8	hr. 0·6	hr. ...	hr. 0·2	hr. 30·5	—
Hour G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	—	—

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

495. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.)=H (height of station above M.S.L.)+h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **November, 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	0–24	Duration. 0–24
Day.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·5	2·6	1·6	4·2	10·6	5·3
2	·6	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	·3	3·0	1·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	0·2	0·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	(␣)	(␣)	0·3	0·3
13	(␣)	(␣)	(␣)	(·1)	(␣)	(␣)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	0·2	0·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	(...)	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	0·4
19	...	·1	(...)	(·1)	·2	·7	...	·2	...	...	·4	·1	·4	·1	·1	·4	1·1	·1	...	...	·6	...	...	...	4·6	5·7
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·6	·4	·6	·8	2·4	2·8	1·3	...	...	9·3	7·3
21	...	...	...	...	...	...	...	...	...	...	...	...	(...)	(·1)	·1	...	...	·1	...	·4	·9	·2	...	...	1·8	2·5
22	(...)	(...)	(...)	(...)	(·1)	(...)	(...)	(...)	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	·1	·5	·4	·2	·6	·5	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	5·5
25	...	(...)	(...)	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
26	(...)	(...)	(...)	(...)	(·1)	(...)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	2·4	2·5	...	1·1	2·6	2·2	5·0	2·7	2·3	2·0	2·9	2·0	2·3	2·0	·3	·5	·6	·6	·1	...	...	**34·1**	**16·4**
30	...	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·7
Sum.	0·7	3·0	0·4	2·9	3·7	1·2	1·3	2·9	2·3	5·0	3·1	2·4	2·4	3·1	2·6	3·6	3·5	1·1	1·4	4·1	**6·4**	4·5	2·0	4·6	68·2	46·3
Total Duration.	hr. 0·9	hr. 2·1	hr. 1·0	hr. 1·6	hr. 3·0	hr. 1·7	hr. 1·4	hr. 1·3	hr. 1·0	hr. 1·0	hr. 1·5	hr. 1·2	hr. 1·5	hr. 1·4	hr. 1·9	hr. 2·9	hr. 3·0	hr. 2·2	hr. 2·0	hr. 3·7	hr. **4·1**	hr. 3·1	hr. 1·5	hr. 1·3	hr. 46·3	—

496. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **December, 1927.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	·1	...	...	·4	·2	·5	·7	·5	1·1	1·3	1·1	·1	...	...	...	...	·3	·1	·2	...	·2	6·8	9·1
15	·3	1·1	·8	1·1	·6	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	5·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	·6	(·5)	(·5)	(·5)	(·5)	(·5)	(1·1)	(1·2)	(1·2)	(·4)	...	(·8)	...	(·9)	...	...	...	...	...	...	...	...	...	8·7	(9·3)
22	...	(·3)	·9	1·8	·6	3·9	1·9	(·2)	(·3)	(·1)	...	·2	·5	...	...	·1	·7	·6	...	(·6)	(·6)	(·6)	(·7)	·9	15·5	10·4
23	...	1·2	·7	·7	1·0	·1	...	·1	...	·3	·1	·3	...	·1	·7	...	...	...	...	·1	·1	·5	·6	1·0	7·6	8·2
24	·6	·1	·1	...	...	...	...	·2	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·5
25	...	...	...	...	...	...	1·2	3·1	2·4	2·3	1·2	1·5	4·2	1·7	·6	(...)	(...)	(·1)	(2·4)	(2·4)	(2·4)	(2·4)	(2·4)	(2·4)	**(32·7)**	(13·8)
26	(2·4)	(2·4)	(·5)	(·2)	...	...	...	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·3)	(·1)	(·1)	(·1)	(·1)	(·1)	(·1)	(9·4)	**(14·1)**
27	(*)	(·1)	...	...	...	(*)	(·1)	(·2)	(·2)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(0·6)	(1·5)
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	(␣)	(␣)	(·1)	(␣)	(␣)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·1	2·0	1·0	·5	·6	·2	...	6·3	6·7
Sum.	3·3	5·8	3·5	4·7	2·7	4·5	4·2	5·7	5·8	4·9	2·5	3·4	**7·1**	3·2	2·6	0·5	1·8	2·1	4·5	4·5	3·8	4·4	4·0	4·6	94·1	80·1
Total Duration.	hr. 2·1	hr. 3·5	hr. 4·7	hr. 5·1	hr. 3·7	hr. 2·2	hr. 3·8	hr. 5·0	hr. **5·2**	hr. 4·8	hr. 3·0	hr. 3·4	hr. 3·0	hr. 2·7	hr. 2·4	hr. 1·1	hr. 1·8	hr. 2·3	hr. 2·5	hr. 3·9	hr. 3·5	hr. 3·5	hr. 3·6	hr. 3·3	hr. 80·1	—
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	—	—

NOTE.—For Annual Totals see p. 355.

†c

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

497. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **January, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon, Ångström Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	—	...	...	·1	·7	·6	...	...	...	—	—	—	—	—	1·4	18	Cirrus	12	3
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
3	—	—	—	—	—	...	...	·1	...	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...
4	—	—	—	—	—	·1	1·0	1·0	1·0	·7	·2	...	...	—	—	—	—	—	4·0	51	Clear	56	15
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
6	—	—	—	—	—	...	...	...	...	·6	·2	...	...	—	—	—	—	—	0·8	10	Cirrus	32	9
7	—	—	—	—	—	...	·8	1·0	1·0	1·0	·8	·1	...	—	—	—	—	—	4·7	59	Clear	47	13
8	—	—	—	—	—	...	...	·7	·8	...	...	...	...	—	—	—	—	—	1·5	19	...	...	...
9	—	—	—	—	—	...	...	...	·1	·6	·1	·3	...	—	—	—	—	—	1·1	14	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
11	—	—	—	—	...	...	...	...	·1	...	...	...	...	...	—	—	—	—	0·1	1	...	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
13	—	—	—	—	...	·4	1·0	1·0	·9	·5	·9	·8	·5	...	—	—	—	—	**6·0**	**73**	Clear	54	16
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	...	...	·4	1·0	·6	·2	·2	...	...	...	—	—	—	—	2·4	29	...	...	...
16	—	—	—	—	...	...	·7	1·0	1·0	·9	1·0	·9	·1	...	—	—	—	—	5·6	67	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
18	—	—	—	—	...	...	...	·3	·8	·2	...	...	...	...	—	—	—	—	1·3	15	...	...	...
19	—	—	—	—	...	...	...	·6	1·0	·8	·3	...	...	...	—	—	—	—	2·7	32	Mist	26	8
20	—	—	—	—	...	...	...	·8	1·0	1·0	·9	·1	...	...	—	—	—	—	3·8	45	...	...	...
21	—	—	—	—	...	...	...	...	...	·9	1·0	1·0	...	...	—	—	—	—	2·9	34	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
24	—	—	—	—	...	...	...	...	...	...	·8	·8	...	...	—	—	—	—	1·6	18	...	...	...
25	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	·1	·1	·3	·5	·7	·5	·9	·5	...	—	—	—	—	3·6	41	Clear	51	17
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
29	—	—	—	—	...	...	...	·2	·5	·8	...	·2	...	...	—	—	—	—	1·7	19	Cirrus	18	6
30	—	—	—	—	...	...	·1	...	·1	...	...	...	...	...	—	—	—	—	0·2	2	...	...	...
31	—	—	—	—	...	·3	1·0	1·0	1·0	·8	·9	·6	·1	...	—	—	—	—	5·7	63	Clear	63	23
Sum.	—	—	—	—	0·0	0·9	5·1	9·1	**11·1**	10·3	7·8	5·7	1·2	0·0	—	—	—	—	51·2	—	—	—	—
Mean	—	—	—	—	0·00	0·03	0·16	0·29	**0·36**	0·33	0·25	0·18	0·04	0·00	—	—	—	—	1·65	20	—	—	—

498. Richmond (Kew Observatory) : h_s = 13·3 metres. **February, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	·5	1·0	1·0	·9	·4	...	·3	...	...	—	—	—	—	4·1	45	Cirrus	36	13
2	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	·8	·5	·7	...	—	—	—	—	**6·6**	**73**	Haze	48	18
3	—	—	—	—	...	...	...	...	...	...	·2	·5	·1	...	—	—	—	—	0·8	9	...	...	...
4	—	—	—	—	...	...	·5	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	6·2	67	Haze	69	26
5	—	—	—	—	...	...	·7	·2	·5	...	...	...	...	...	—	—	—	—	1·4	15	...	...	...
6	—	—	—	—	...	...	·8	·9	·8	·7	·1	·4	·2	...	—	—	—	—	3·9	42	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	·1	...	...	—	—	—	—	0·1	1	...	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
18	—	—	—	—	...	...	...	...	·2	·3	...	...	...	...	...	—	—	—	0·5	5	...	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
21	—	—	—	...	...	...	·7	·6	·6	·8	·5	·1	...	...	...	—	—	—	3·3	32	Clear	69	32
22	—	—	—	...	...	...	...	·4	·3	·4	...	...	·1	...	...	—	—	—	1·2	12	...	...	...
23	—	—	—	...	·6	1·0	·3	·6	·3	·4	·1	·1	·3	...	...	—	—	—	3·7	36	...	...	...
24	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
26	—	—	—	...	...	·3	·6	·6	...	...	·2	...	...	...	...	—	—	—	1·7	16	...	...	...
27	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	—	0·1	1	...	...	...
28	—	—	—	...	...	...	...	...	·8	...	...	...	...	...	...	—	—	—	0·8	7	...	...	...
Sum.	—	—	—	...	0·6	2·4	5·6	6·3	**6·4**	5·1	2·9	3·0	2·1	...	...	—	—	—	34·4	—	—	—	—
Mean	—	—	—	...	0·02	0·09	0·20	0·23	**0·23**	0·18	0·10	0·11	0·07	...	...	—	—	—	1·23	12	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon, Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

499. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **March, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	...	·3	...	·8	·6	·3	·3	·4	·6	...	...	...	—	—	—	3·3	31	...	...	...
2	—	—	—	...	·6	1·0	1·0	·9	·7	·6	·2	...	...	...	...	—	—	—	5·0	46	Clear	69	36
3	—	—	—	...	·8	1·0	1·0	1·0	·9	·6	·1	...	...	...	...	—	—	—	5·4	50	Clear	72	38
4	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
6	—	—	—	...	·2	...	·9	1·0	·9	·5	·2	·7	·1	·1	...	—	—	—	4·6	41	...	...	...
7	—	—	—	...	...	...	...	...	...	...	...	·3	·4	·6	·1	—	—	—	1·4	13	...	...	...
8	—	—	—	...	·9	1·0	1·0	1·0	·9	·8	·6	·5	·8	·4	...	—	—	—	7·9	70	Clear	73	40
9	—	—	—	...	·4	...	...	·7	1·0	·3	·1	...	...	...	...	—	—	—	2·5	22	Clear	65	36
10	—	—	—	...	...	·5	...	·5	·1	·6	·3	·4	·4	·1	...	—	—	—	2·9	25	Clear	73	41
11	—	—	—	...	...	...	...	·2	1·0	·5	·7	...	·8	...	...	—	—	—	3·2	28	Clear	69	39
12	—	—	—	...	...	·3	·6	·5	...	...	·3	·1	·2	·4	...	—	—	—	2·4	21	...	...	...
13	—	—	—	...	...	...	...	...	·1	·2	·6	·6	·4	...	...	—	—	—	1·9	16	...	...	...
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
15	—	—	—	...	·4	1·0	·9	·7	·2	·4	·4	·4	·8	·7	...	—	—	—	5·9	50	...	...	...
16	—	—	—	...	·2	1·0	·8	1·0	1·0	1·0	1·0	·9	...	...	...	—	—	—	6·9	58	Haze	54	32
17	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	**9·1**	**76**	Cirrus	26	16
18	—	—	—	...	·2	...	...	...	·1	·2	...	...	·8	·2	...	—	—	—	1·5	13	...	...	...
19	—	—	—	...	...	...	...	...	...	·1	·7	·7	·4	·4	...	—	—	—	2·3	19	...	...	...
20	—	—	—	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·4	·6	·1	—	—	—	7·8	64	...	...	...
21	—	—	...	...	·9	·3	·8	·8	1·0	1·0	·9	·6	...	...	...	...	—	—	6·3	52	Cirrus	53	33
22	—	—	...	...	...	·2	·6	·6	·3	·3	·1	·5	...	...	...	...	—	—	2·6	21	...	...	...
23	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
24	—	—	...	...	...	·1	·7	·5	·3	...	...	...	...	...	...	...	—	—	1·6	13	...	...	...
25	—	—	...	...	...	...	...	...	·5	·2	·8	·6	·3	1·0	...	...	—	—	3·4	27	...	...	...
26	—	—	...	·1	·2	·6	·6	·6	·2	·9	...	·2	·8	·3	·3	...	—	—	4·8	39	...	...	...
27	—	—	...	·3	1·0	1·0	1·0	·9	·9	·6	·1	...	·3	·8	·1	...	—	—	7·0	56	...	...	...
28	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·7	1·0	·3	·3	·2	·2	—	—	**9·1**	72	Clear	77	51
29	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
30	—	—	...	...	...	·2	...	...	·7	·8	·6	·8	·6	1·0	·6	...	—	—	5·3	42	...	...	...
31	—	—	...	...	·4	1·0	1·0	·9	·3	...	...	...	...	...	...	...	—	—	3·6	28	...	...	...
Sum	—	—	0·0	0·8	7·9	11·9	14·7	**15·4**	14·4	12·9	10·8	10·9	8·8	7·6	1·4	0·2	—	—	117·7	...	—	—	—
Mean	—	—	0·00	0·03	0·25	0·38	0·47	**0·50**	0·46	0·42	0·35	0·35	0·28	0·25	0·05	0·01	—	—	3·80	32	—	—	—

500. Richmond (Kew Observatory) : h_s = 13·3 metres. **April, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	...	...	...	...	...	·1	·1	·1	·6	·8	·6	·2	...	...	—	—	2·5	20	...	...	...
2	—	—	...	...	·9	1·0	·9	·9	·6	...	...	...	...	...	...	...	—	—	4·3	33	...	...	...
3	—	—	...	·3	·8	1·0	·8	·7	·8	·8	·8	·9	1·0	·8	1·0	...	—	—	9·7	75	...	...	...
4	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...
5	—	—	...	·1	...	·3	·8	·3	·5	·5	...	...	...	...	...	...	—	—	2·5	19	...	...	...
6	—	—	...	·1	...	...	·8	·3	·4	·9	·9	·9	·9	·7	·1	...	—	—	6·0	45	...	...	...
7	—	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	0·1	1	...	...	...
8	—	—	...	·8	1·0	1·0	·9	1·0	·6	·6	·8	·6	·8	·1	...	...	—	—	8·2	62	...	...	...
9	—	—	...	·3	·8	·2	·1	...	·1	...	...	...	...	...	...	...	—	—	1·5	11	...	...	...
10	—	—	...	·1	·2	...	...	·1	·4	...	·4	·2	·1	·5	...	...	—	—	2·0	15	...	...	...
11	—	—	...	...	...	·8	1·0	1·0	·1	...	...	...	...	...	...	...	—	—	2·9	21			
12	—	—	...	·1	·8	·9	·5	...	·6	1·0	·7	·6	·6	·4	...	...	—	—	6·2	46	...	...	...
13	—	—	...	...	·6	·9	·6	·7	·1	...	·1	·3	·8	1·0	·1	...	—	—	5·2	38	...	...	...
14	—	—	...	...	...	...	...	...	...	...	...	·3	·2	...	...	...	—	—	0·5	4	...	...	...
15	—	—	...	...	·3	·1	...	·1	...	·1	...	...	·5	·7	·1	...	—	—	1·9	14	...	...	...
16	—	—	·3	·9	1·0	1·0	·6	·7	·7	·7	·4	·2	·4	·4	...	...	—	—	7·3	53	...	...	...
17	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	12·1	87	...	...	...
18	—	—	·2	1·0	·9	...	·4	1·0	·9	·6	...	·4	·1	·1	...	...	—	—	5·6	40	...	...	...
19	—	—	·2	·6	...	...	...	...	...	...	1·0	·9	1·0	1·0	1·0	·2	—	—	5·9	42	...	...	...
20	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·9	·7	·9	·5	·8	·4	...	...	—	10·6	75	Cirrus	49	37
21	—	...	...	·7	...	·7	·6	·6	·8	·9	·7	·3	·9	1·0	·9	·2	...	—	8·3	59	...	...	...
22	—	...	...	...	...	...	...	·1	·5	·9	·5	·9	·9	·2	·5	·2	...	—	4·7	33	...	...	...
23	—	...	·4	·7	1·0	1·0	·9	1·0	·7	·3	·2	·1	...	...	·8	·2	...	—	7·3	51	...	...	...
24	—	...	...	...	...	...	...	...	...	...	·2	·2	·7	·5	...	...	...	—	1·6	11	...	...	...
25	—	...	...	...	·3	·4	·3	·1	...	...	...	...	...	...	...	·1	...	—	1·2	8	...	...	...
26	—	...	·7	·9	1·0	1·0	1·0	·9	·4	·8	·6	·9	1·0	·9	·8	·2	...	—	11·1	77	Clear	85	67
27	—	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	·1	...	...	—	8·6	59	Clear	91	72
28	—	...	·8	1·0	1·0	1·0	1·0	·8	·8	·8	·8	·4	·3	·6	·6	...	...	—	9·9	68	...	...	...
29	—	...	...	...	·7	1·0	1·0	·9	·9	·9	·9	·7	·3	·7	1·0	·4	...	—	9·4	64	Clear	89	71
30	—	...	·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	·4	...	—	**13·2**	**90**	...	...	...
Sum	—	0·0	3·8	10·9	15·3	**16·3**	16·2	15·4	14·0	13·8	13·3	13·4	13·6	12·7	9·4	2·3	0·0	—	170·4	—	—	—	—
Mean	—	0·00	0·13	0·36	0·51	**0·54**	0·54	0·51	0·47	0·46	0·44	0·45	0·45	0·42	0·31	0·08	0·00	—	5·68	41	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

501. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **May, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	...	...	·8	1·0	·4	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	—	9·8	67	...	...	...
2	—	...	...	1·0	·6	1·0	1·0	1·0	1·0	·2	·1	·4	1·0	1·0	·5	·1	...	—	8·9	60	Ci-Cu.	28	23
3	—	...	·5	...	·8	·8	·3	·4	1·0	·9	1·0	1·0	1·0	1·0	1·0	·5	...	—	10·2	68	Clear	89	72
4	—	...	·3	·9	1·0	·9	·8	·7	·5	·3	...	·2	·1	...	...	...	...	—	5·7	38	...	...	...
5	—	...	...	...	...	...	...	...	·6	1·0	1·0	·9	·7	1·0	·1	...	...	—	5·3	35	Cirrus	48	39
6	—	...	...	...	...	...	·2	1·0	·8	1·0	1·0	1·0	1·0	1·0	·2	...	...	—	7·2	48	...	...	...
7	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	**13·6**	**90**	...	...	...
8	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	13·4	89	...	...	...
9	—	...	·5	·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	...	—	13·3	87	Haze	53	44
10	—	...	...	...	...	·8	·8	·6	·3	...	...	...	...	...	...	...	...	—	2·5	16	...	...	...
11	—	...	...	·3	·7	·7	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	11·4	75	Haze	65	54
12	—	...	·3	1·0	1·0	1·0	·9	·6	·5	·6	·9	·8	·3	...	...	...	...	—	7·9	52	...	...	...
13	—	...	...	...	...	·5	1·0	·9	·9	·4	·4	·2	·8	·4	·1	...	...	—	5·6	36	...	...	...
14	—	...	...	·1	·9	·9	·9	·5	·3	...	...	...	·1	...	·6	·3	...	—	4·6	30	...	...	...
15	—	...	...	...	...	...	...	...	·1	·4	·1	·3	·1	·2	...	...	...	—	1·2	8	...	...	...
16	—	...	...	...	·2	...	...	...	...	...	·4	...	...	·1	·3	·1	...	—	1·1	7	...	...	...
17	—	...	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·7	·8	·9	·8	·7	·4	...	—	10·5	67	Clear	97	82
18	—	...	...	1·0	·8	1·0	1·0	·9	·5	·6	·9	·7	·7	·8	1·0	·3	...	—	10·2	65	...	...	...
19	—	...	...	...	...	...	·8	·8	1·0	1·0	1·0	·5	·9	1·0	·5	·5	...	—	8·0	51	Haze	57	49
20	—	...	·5	·4	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·7	...	...	...	...	—	9·4	60	Clear	70	59
21	—	...	...	·3	·2	·8	·4	·7	·7	·4	·7	·5	1·0	·9	·4	·2	·3	—	7·5	47	...	...	...
22	—	...	...	...	·3	·3	·7	·6	·5	·5	·7	·1	...	...	·5	1·0	·3	—	5·5	35	...	...	...
23	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	·4	...	...	...	—	10·9	69	Clear	81	70
24	—	·2	·8	·8	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·5	·7	·3	—	11·8	74	Cirrus	47	40
25	—	...	·6	·9	·6	·5	...	...	...	...	·2	·9	·3	...	...	...	...	—	4·0	25	...	...	...
26	—	...	...	·1	·9	1·0	·9	1·0	·9	1·0	1·0	1·0	1·0	·6	·3	·1	...	—	9·8	61	Haze	66	56
27	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
28	—	...	·4	1·0	1·0	·7	1·0	·3	·7	·4	·3	·4	·1	·5	1·0	·8	...	...	8·6	53	...	...	...
29	—	...	·4	1·0	1·0	·9	·8	·9	·7	·9	1·0	·9	·2	·6	·7	·6	...	...	10·6	66	...	...	...
30	...	...	·5	1·0	1·0	·9	·9	·8	·6	·5	·6	·4	·3	·2	...	...	...	...	7·7	48	Clear	78	68
31	...	...	...	...	·1	...	...	·4	...	·7	·1	·1	...	·2	·3	...	...	...	1·9	12	...	...	...
Sum	0·0	0·2	6·6	14·6	18·1	19·7	20·1	**20·8**	20·5	19·7	20·1	19·0	18·1	16·6	13·6	9·5	0·9	0·0	238·1	—	—	—	—
Mean	0·00	0·01	0·21	0·47	0·58	0·64	0·65	**0·67**	0·66	0·64	0·65	0·61	0·58	0·54	0·44	0·31	0·03	0·00	7·68	49	—	—	—

502. Richmond (Kew Observatory) : h_s = 13·3 metres. **June, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	m/cm²
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	0·4	2	...	...	...
2	...	...	...	...	·9	1·0	·9	1·0	1·0	·7	...	·1	...	...	...	...	...	...	5·6	34	...	...	...
3	...	...	·2	·4	·5	·3	·9	·6	·1	·4	·7	1·0	1·0	·7	·5	1·0	·6	...	8·9	55	...	...	...
4	...	...	·8	1·0	·9	·9	·9	·5	·2	·5	·9	·3	·1	·2	·2	·1	...	...	7·5	46	...	...	...
5	...	·2	1·0	1·0	1·0	·9	·9	·7	·8	·2	...	...	...	...	...	...	...	...	6·7	41	...	...	...
6	...	·3	·6	·7	...	·1	·5	·5	·1	·2	...	·4	...	...	·3	·1	...	...	3·8	23	...	...	...
7	...	·2	·2	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	5	...	...	...
8	...	...	...	...	·2	·3	·6	...	·5	·8	·6	·6	·9	·4	·4	·3	...	...	5·6	34	...	...	...
9	...	·2	1·0	1·0	1·0	·9	1·0	1·0	·9	·6	·8	·6	·2	·4	...	·2	...	...	9·8	60	Clear	71	62
10	...	...	·2	·2	·3	...	·9	·2	...	...	...	...	...	...	...	...	...	...	1·8	11	...	...	...
11	...	...	...	...	...	·4	...	·1	·3	...	...	...	...	...	...	·6	·2	...	1·6	10	...	...	...
12	...	...	...	...	...	·4	·2	·5	·4	·6	·6	·3	·8	·9	·9	·8	...	...	6·4	39	...	...	...
13	...	...	·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	·5	...	...	13·2	80	Haze	77	68
14	...	...	...	...	...	...	·1	·4	...	...	...	...	...	...	...	...	...	...	0·5	3	...	...	...
15	...	...	...	·1	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	·1	...	·2	...	...	8·7	53	Haze	59	52
16	...	...	...	...	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·2	...	...	...	9·2	56	Haze	66	58
17	...	...	...	...	...	...	...	...	...	·1	...	...	·4	·1	·4	·4	·7	...	2·1	13	...	...	...
18	...	·4	·6	1·0	·9	·4	·7	·3	·5	·1	·1	·2	...	...	...	...	...	...	5·2	31	...	...	...
19	...	...	1·0	1·0	·4	·3	·2	...	·2	·6	·7	·6	1·0	1·0	·7	·7	·4	...	8·8	53	...	...	...
20	...	·7	1·0	1·0	1·0	·8	·8	·7	·5	·4	·1	·6	·5	·5	...	...	...	...	8·6	52	...	...	...
21	...	...	·2	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·7	4	...	...	...
22	...	·1	1·0	1·0	·9	1·0	·8	1·0	·9	1·0	1·0	·9	1·0	1·0	·8	·8	·4	...	**13·6**	**82**	Clear	87	77
23	...	...	...	·2	·9	·8	·9	·7	·9	·8	·7	·3	·6	·4	·2	...	...	...	7·4	45	...	...	...
24	...	...	...	...	...	...	...	·1	·7	·7	·7	·4	·9	·3	·1	...	...	...	3·9	23	Clear	82	73
25	...	·4	1·0	1·0	1·0	1·0	·8	·1	...	...	...	...	...	...	...	...	...	...	5·3	32	...	...	...
26	...	...	...	...	...	...	...	...	...	·9	·5	·3	...	·4	·1	·7	·1	...	3·0	18	...	...	...
27	...	...	...	...	...	...	·5	·8	...	·4	...	...	·1	...	...	...	...	...	1·8	11	...	...	...
28	...	...	...	...	...	...	·4	...	·8	·9	...	·3	...	...	...	·1	...	...	2·5	15	...	...	...
29	...	...	...	·3	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	1·0	6	...	...	...
30	...	...	...	...	...	...	·1	·3	·3	·1	·7	·8	1·0	·8	1·0	1·0	·9	...	7·0	42	...	...	...
Sum	0·0	2·5	9·5	11·1	**13·1**	12·6	15·1	12·5	12·1	13·0	11·1	10·7	11·3	8·8	6·9	7·8	3·3	0·0	161·4	—	—	—	—
Mean	0·00	0·83	0·32	0·37	**0·44**	0·42	0·50	0·42	0·40	0·43	0·37	0·36	0·38	0·29	0·23	026	0·11	0·00	5·38	33	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

503. Richmond (Kew Observatory) : h_s (Height of recorder above ground) = 13·3 metres. **July, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	...	...	...	...	...	...	...	...	...	...	·4	·4	·2	·4	...	...	...	...	1·4	8	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	·1	·9	·9	·6	·6	·3	·3	·2	·1	·4	·3	·3	·1	·2	...	...	5·3	32	...	...	...
4	...	...	...	...	...	...	...	·2	·7	·9	·7	·4	·3	·2	...	·1	...	...	3·5	21	...	...	...
5	...	...	...	·6	·4	1·0	1·0	·9	·7	...	·1	...	...	...	...	...	...	...	4·7	29	...	...	...
6	...	·4	1·0	·9	·9	·9	·3	·5	...	·5	·2	...	...	...	...	...	...	...	5·6	34	...	...	...
7	...	...	...	...	·5	·7	...	...	·4	·4	·7	·8	·9	·9	·7	1·0	·7	...	7·7	47	...	...	...
8	...	...	...	·5	·9	·5	1·0	·9	·5	·7	1·0	·9	·9	·7	·3	...	...	...	8·8	54	...	...	...
9	...	...	...	...	...	...	...	...	...	...	·1	·8	·2	·1	·5	·4	...	...	2·1	13	...	...	...
10	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·5	...	...	**12·4**	76	...	...	...
11	...	·3	1·0	·8	·5	·9	·9	·5	·5	...	...	...	...	...	·5	·5	...	...	6·4	39	...	...	...
12	...	...	...	...	...	...	...	...	...	...	·2	·2	...	...	...	...	...	...	0·4	2	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	·1	...	·1	·2	...	·2	·5	·5	·6	·4	·6	...	...	3·2	20	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	—	0·1	1	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
18	—	...	·5	1·0	1·0	1·0	1·0	1·0	·9	·3	·6	·8	·6	1·0	·9	...	...	—	10·6	66	...	...	...
19	—	...	...	...	...	...	...	·7	·1	·2	·4	·5	1·0	·8	·7	·4	...	—	4·8	30	...	...	...
20	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	—	0·1	1	...	...	...
21	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	—	0·3	2	...	...	...
22	—	...	...	...	...	·5	·7	·4	·3	·6	·4	...	...	...	·2	...	...	—	3·1	19	...	...	...
23	—	...	...	·4	1·0	1·0	·9	·9	·2	...	·3	·6	...	...	...	·1	...	—	5·4	34	...	...	...
24	—	...	...	...	1·0	·9	...	·1	...	...	...	·1	·1	...	...	...	...	—	2·2	14	...	...	...
25	—	...	·3	·3	·7	·6	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	—	12·1	**77**	Clear	88	75
26	—	...	...	...	·1	·3	·2	...	...	...	·2	·5	·5	·6	·9	·5	...	—	3·8	24	...	...	...
27	—	...	...	·2	·5	·2	·2	·7	·7	·3	1·0	·9	·8	·5	·1	...	...	—	6·1	39	Clear	84	71
28	—	...	·1	·6	·6	·7	·5	·6	·5	·1	·3	...	...	...	...	...	...	—	4·0	26	...	...	...
29	—	...	·5	1·0	1·0	·4	...	...	...	...	·1	...	·1	·1	...	...	...	—	3·2	21	...	...	...
30	—	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	·1	·5	...	—	0·9	6	...	...	...
31	—	...	·5	·1	·3	1·0	·9	·8	·6	·4	1·0	·8	·8	·9	·4	...	...	—	8·5	55	...	...	...
Sum	0·0	0·7	4·1	8·4	11·4	**12·4**	10·1	10·5	8·5	6·6	10·0	10·7	9·3	9·0	7·7	6·0	1·3	0·0	126·7	—	—	—	—
Mean	0·00	0·02	0·13	0·27	0·37	**0·40**	0·33	0·34	0·27	0·21	0·32	0·35	0·30	0·29	0·25	0·19	0·04	0·00	4·09	25	—	—	—

504. Richmond (Kew Observatory) : h_s = 13·3 metres. **August, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
2	—	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·9	·9	·9	·8	·7	·4	·4	...	—	11·6	76	Clear	72	60
3	—	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	...	—	**12·4**	**81**	Haze	68	57
4	—	...	...	...	...	·8	·7	·8	1·0	1·0	·9	1·0	·5	·2	1·0	...	...	—	7·9	52	Cirrus	50	42
5	—	...	...	...	...	·1	·1	·2	...	·3	...	...	...	...	...	...	...	—	0·7	5	...	...	...
6	—	...	...	·4	·5	·8	·9	·4	...	·4	·5	·5	...	...	...	...	...	—	4·4	29	...	...	...
7	—	...	...	...	...	...	·1	·5	·9	·9	1·0	·9	·8	·9	·9	·9	·1	—	7·9	52	...	...	...
8	—	...	...	...	...	...	...	...	...	·6	·7	·8	1·0	1·0	1·0	·6	...	—	5·7	38	...	...	...
9	—	...	...	·2	·7	·1	·5	·4	·5	·9	1·0	1·0	1·0	1·0	·6	·3	...	—	8·2	55	Clear	78	63
10	—	...	...	·2	...	·1	·6	·6	·1	1·0	1·0	1·0	·8	·9	·8	·3	...	—	7·4	50	...	...	...
11	—	...	·1	1·0	·9	...	·1	...	·5	·9	·9	·1	...	·2	·1	...	...	—	4·8	32	Clear	77	62
12	—	...	·4	·2	·1	...	·5	·9	·7	1·0	·8	...	...	·2	...	...	...	—	4·8	32	Clear	70	57
13	—	...	...	·5	·9	·9	·9	·2	...	...	...	...	...	...	...	...	...	—	3·4	23	...	...	...
14	—	...	...	...	·7	·7	1·0	1·0	·8	·2	·7	·4	...	...	...	...	...	—	5·5	37	...	...	...
15	—	...	...	·2	·1	·3	...	·1	·2	...	...	...	...	...	...	...	...	—	0·9	6	...	...	...
16	—	...	...	...	...	·4	·4	·1	...	...	...	...	...	·1	...	...	...	—	1·0	7	...	...	...
17	—	...	·4	1·0	1·0	1·0	·9	·9	1·0	·9	·9	1·0	1·0	·3	...	...	...	—	10·3	71	Clear	76	60
18	—	...	...	...	...	...	...	·3	·9	·9	1·0	1·0	1·0	1·0	1·0	·3	...	—	7·4	51	...	...	...
19	—	...	...	·8	·3	·1	...	...	...	...	·5	·9	·6	·7	·8	·8	...	—	5·5	38	...	...	...
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	—	0·1	1	...	...	...
21	—	...	...	·8	·5	·7	·9	·9	1·0	·6	...	·1	·7	·9	·7	...	...	—	7·8	55	...	...	...
22	—	...	...	·1	·2	·8	·4	·7	·7	·8	1·0	·9	·2	·6	·1	...	...	—	6·5	46	...	...	...
23	—	...	...	...	·2	·7	·8	·7	·7	·6	·7	·9	·9	1·0	·7	·6	...	—	8·5	60	...	...	...
24	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·1	...	...	...	...	...	...	...	—	6·5	46	...	...	...
25	—	—	...	...	...	...	...	...	...	·4	·6	·5	·2	·2	·7	...	—	—	2·6	19	...	...	...
26	—	—	...	1·0	1·0	·7	...	...	·2	...	...	...	...	...	...	...	—	—	2·9	21	...	...	...
27	—	—	...	·3	·8	·9	·6	·5	·7	1·0	1·0	·7	·6	·8	·5	·1	—	—	8·5	61	...	...	...
28	—	—	...	...	...	·1	·4	·8	1·0	1·0	·9	·8	·6	·1	...	...	—	—	5·7	41	...	...	...
29	—	—	...	·2	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·2	...	—	—	9·9	72	Cirrus	50	37
30	—	—	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	—	—	0·3	2	...	...	...
31	—	—	...	...	...	...	...	·2	·6	·4	·5	·1	·7	·6	·3	...	—	—	3·4	25	...	...	...
Sum	—	0·0	2·2	9·9	11·7	13·5	13·8	14·2	15·4	16·8	**17·5**	15·5	13·4	13·1	10·8	4·6	0·1	—	172·5	—	—	—	—
Mean	—	0·00	0·07	0·32	0·38	0·44	0·45	0·46	0·50	0·54	**0·56**	0·50	0·43	0·42	0·35	0·15	0·00	—	5·56	38	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

505. Richmond (Kew Observatory) : h_s (Height of recorder above ground)=13·3 metres. **September, 1927.**

Day.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
2	—	—	...	...	...	·3	·9	·9	·8	·4	·9	·7	·7	1·0	·1	...	—	—	6·7	50	...	...	...
3	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	—	—	0·1	1	...	...	...
4	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
5	—	—	...	...	...	...	...	...	...	...	...	·1	·7	·4	...	...	—	—	1·2	9	...	...	...
6	—	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...
7	—	—	...	...	·1	·8	·8	·9	·9	1·0	·9	·9	1·0	·9	·9	...	—	—	9·1	69	...	...	...
8	—	—	...	·7	·9	·7	·3	·2	·4	...	...	...	...	...	...	...	—	—	3·2	24	...	...	...
9	—	—	...	·3	·4	·5	·3	·1	·6	1·0	·3	...	·1	...	...	...	—	—	3·6	27	...	...	...
10	—	—	...	...	...	...	...	...	...	·4	1·0	·5	·3	·4	...	...	—	—	2·6	20	...	...	...
11	—	—	...	·5	·8	·9	·5	·5	·1	·1	·1	...	·4	·1	...	...	—	—	4·0	31	...	...	...
12	—	—	...	...	1·0	1·0	1·0	·9	·8	·7	·7	·8	1·0	1·0	·5	...	—	—	9·4	73	...	...	...
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
14	—	—	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	—	—	0·4	3	...	...	...
15	—	—	...	...	...	...	·1	·1	·4	...	·5	·2	...	...	...	...	—	—	1·3	10	...	...	...
16	—	—	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	—	—	0·6	5	...	...	...
17	—	—	...	...	...	·1	·1	·6	1·0	1·0	1·0	1·0	1·0	·6	·2	...	—	—	6·6	53	Clear	86	56
18	—	—	...	...	...	...	...	·7	1·0	1·0	·3	·6	·7	...	...	...	—	—	4·3	34	...	...	...
19	—	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	0·1	1	...	...	...
20	—	—	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	—	—	0·3	2	...	...	...
21	—	—	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	—	—	0·2	2	...	...	...
22	—	—	...	...	...	...	...	...	...	...	...	...	...	·7	·4	...	—	—	1·1	9	...	...	...
23	—	—	...	·7	1·0	1·0	1·0	·4	...	...	...	...	...	...	...	...	—	—	4·1	34	...	...	...
24	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	·8	...	...	—	—	**10·1**	**83**	...	...	...
25	—	—	—	·3	·8	·9	1·0	1·0	·6	·9	·4	·2	...	·3	...	—	—	—	6·4	53	...	...	...
26	—	—	—	·4	·5	·7	1·0	1·0	1·0	·7	·9	·6	1·0	·6	·3	—	—	—	8·7	73	Clear	81	49
27	—	—	—	...	...	·5	1·0	1·0	1·0	·9	·8	·5	...	...	...	—	—	—	5·7	48	Clear	77	47
28	—	—	—	...	...	...	·3	1·0	1·0	·8	·2	·3	·1	·1	...	—	—	—	3·8	32	Ci-haze	43	26
29	—	—	—	...	...	...	...	...	...	...	...	...	...	...	·4	—	—	—	0·4	3	...	...	...
30	—	—	—	...	1·0	1·0	1·0	1·0	1·0	·9	·8	·7	·4	...	...	—	—	—	7·8	67	...	...	...
Sum	—	—	0·0	3·4	7·5	9·7	10·4	11·4	**12·1**	10·8	9·8	7·9	8·8	7·3	2·8	0·0	—	—	101·9	—	—	—	—
Mean	—	—	0·00	0·10	0·25	0·32	0·35	0·38	**0·40**	0·36	0·33	0·26	0·29	0·24	0·09	0·00	—	—	3·40	27	—	—	—

506. Richmond (Kew Observatory) : h_s =13·3 metres. **October, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
2	—	—	—	...	...	...	·1	·2	·3	·1	·4	...	...	...	...	—	—	—	1·1	9	...	...	...
3	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	**9·9**	**86**	Clear	72	41
4	—	—	—	...	...	...	·2	1·0	·9	1·0	·9	·8	...	...	...	—	—	—	4·8	42	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
6	—	—	—	...	...	...	...	·1	1·0	1·0	1·0	1·0	1·0	·3	...	—	—	—	5·4	48	Mist	31	17
7	—	—	—	...	...	...	...	·9	1·0	·3	·2	·6	...	...	...	—	—	—	3·0	27	Mist	31	17
8	—	—	—	...	...	...	·7	1·0	1·0	1·0	1·0	·8	·1	...	...	—	—	—	5·6	50	...	...	...
9	—	—	—	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	7·8	70	...	...	...
10	—	—	—	...	...	...	...	...	...	·4	1·0	1·0	·8	...	...	—	—	—	3·2	29	...	...	...
11	—	—	—	...	...	...	...	...	...	1·0	1·0	1·0	1·0	·2	...	—	—	—	4·2	38	Mist	37	19
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
13	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
14	—	—	—	...	...	...	...	...	·1	·1	...	...	...	...	...	—	—	—	0·2	2	...	...	...
15	—	—	—	...	...	...	...	...	·1	·3	·4	·2	...	...	...	—	—	—	1·0	9	...	...	...
16	—	—	—	...	...	...	...	·1	...	·1	·3	·4	·4	...	...	—	—	—	1·3	12	...	...	...
17	—	—	—	...	...	...	...	·8	1·0	·1	...	...	...	...	...	—	—	—	1·9	18	...	...	...
18	—	—	—	...	...	·4	...	·6	·1	·4	...	·5	·2	...	...	—	—	—	2·2	21	...	...	...
19	—	—	—	...	...	...	...	...	·4	...	·3	...	·3	·3	...	—	—	—	1·3	12	...	...	...
20	—	—	—	...	...	·3	·7	·3	·2	·2	·8	·5	...	...	...	—	—	—	3·0	29	Haze	20	10
21	—	—	—	...	...	...	·2	...	...	...	...	...	...	...	...	—	—	—	0·2	2	...	...	...
22	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
23	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
24	—	—	—	...	...	...	·8	·2	·5	·9	·7	·6	...	...	...	—	—	—	3·7	37	Mist	50	23
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	·4	...	...	...	...	...	...	...	...	—	—	—	—	0·4	4	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	·2	·7	...	—	—	—	—	0·9	9	...	...	...
29	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	·3	...	·3	...	—	—	—	—	5·8	59	Clear	53	23
30	—	—	—	—	...	...	...	·1	...	·1	·3	·1	...	...	—	—	—	—	0·6	6	...	...	...
31	—	—	—	—	...	...	...	...	...	1·0	·6	·7	·4	...	—	—	—	—	2·7	28	Clear	59	25
Sum	—	—	—	0·0	1·2	3·4	5·7	8·3	9·6	11·0	**11·2**	10·4	7·2	2·2	0·0	—	—	—	70·2	—	—	—	—
Mean	—	—	—	0·00	0·04	0·11	0·18	0·27	0·31	0·35	**0·36**	0·34	0·23	0·07	0·00	—	—	—	2·26	21	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon. Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

507. Richmond (Kew Observatory) : h_s (Height of recorder above ground)=13·3 metres. **November, 1927.**

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon, Ångström Pyrheliometer. Sky.	Total.	Vertical.
Day.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	·1	·5	·1	...	...	·3	...	...	...	—	—	—	—	1·0	10	...	...	...
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
3	—	—	—	—	...	...	...	...	·1	...	...	·2	...	...	—	—	—	—	0·3	3	...	...	...
4	—	—	—	—	...	·1	·6	·9	·9	·7	·4	·5	·8	...	—	—	—	—	4·9	52	...	...	...
5	—	—	—	—	·1	·5	1·0	·1	...	...	...	...	...	...	—	—	—	—	1·7	18	...	...	...
6	—	—	—	—	...	...	·4	1·0	·7	·4	·7	·7	·7	...	—	—	—	—	4·6	49	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
9	—	—	—	—	...	...	...	...	·1	1·0	1·0	1·0	·7	...	—	—	—	—	3·8	41	Cirrus	54	20
10	—	—	—	—	...	·7	1·0	·2	...	·4	·7	·6	...	...	—	—	—	—	3·6	39	...	...	...
11	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	...	—	—	—	—	**7·0**	**77**	Haze	57	21
12	—	—	—	—	...	...	·7	·8	1·0	·2	·4	...	...	...	—	—	—	—	3·1	34	...	...	...
13	—	—	—	—	...	...	...	·1	·8	·9	1·0	1·0	·6	...	—	—	—	—	4·4	49	...	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
16	—	—	—	—	...	·4	·1	...	...	...	...	...	·8	...	—	—	—	—	1·3	15	...	...	...
17	—	—	—	—	...	...	·1	·4	·8	...	...	...	...	...	—	—	—	—	1·3	15	...	...	...
18	—	—	—	—	...	...	...	...	·1	...	...	...	...	...	—	—	—	—	0·1	1	...	...	...
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
20	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
25	—	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	·3	...	—	—	—	—	6·1	73	Haze	49	15
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
Sum	—	—	—	—	0·1	2·8	6·2	5·6	**6·5**	5·6	**6·5**	6·0	3·9	0·0	—	—	—	—	43·2	—	—	—	—
Mean	—	—	—	—	0·00	0·09	0·21	0·19	**0·22**	0·19	**0·22**	0·20	0·13	0·00	—	—	—	—	1·44	16	—	—	—

508. Richmond (Kew Observatory) : h_s=13·3 metres. **December and Year, 1927.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
5	—	—	—	—	—	...	...	·1	·4	...	1·0	·7	...	...	—	—	—	—	2·2	28	...	...	...
6	—	—	—	—	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	—	—	**6·4**	**80**	...	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
9	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
16	—	—	—	—	—	...	...	...	...	·4	·2	...	...	...	—	—	—	—	0·6	8	Mist	14	4
17	—	—	—	—	—	...	...	...	·5	·8	·1	...	...	...	—	—	—	—	1·4	18	...	...	...
18	—	—	—	—	—	...	·3	·9	·4	...	...	...	...	...	—	—	—	—	1·6	21	...	...	...
19	—	—	—	—	—	...	·7	1·0	1·0	1·0	·7	...	...	...	—	—	—	—	4·4	56	...	...	...
20	—	—	—	—	—	...	·5	1·0	1·0	1·0	·6	·2	...	...	—	—	—	—	4·3	56	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
23	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
24	—	—	—	—	—	...	...	...	...	·2	·3	...	...	...	—	—	—	—	0·5	6	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
28	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	·6	...	...	—	—	—	—	5·4	69	...	...	...
29	—	—	—	—	—	...	...	·1	·5	·5	·1	...	...	...	—	—	—	—	1·2	15	...	...	...
30	—	—	—	—	—	...	...	·3	·2	·5	·2	...	...	...	—	—	—	—	1·2	15	...	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
Sum	—	—	—	—	0·0	0·2	3·3	5·4	6·0	**6·4**	5·2	2·5	0·2	0·0	—	—	—	—	29·2	—	—	—	—
Mean	—	—	—	—	0·00	0·01	0·11	0·17	0·19	**0·21**	0·17	0·08	0·01	0·00	—	—	—	—	0·94	12	—	—	—
Annual Total	0·0	3·4	26·2	59·1	86·9	105·8	126·3	134·9	**136·6**	132·0	126·2	115·7	97·9	77·3	52·6	30·4	5·6	0·0	1316·9	—	—	—	—
Annual Mean	0·00	0·01	0·07	0·16	0·24	0·29	0·35	0·37	**0·37**	0·36	0·35	0·32	0·27	0·21	0·14	0·08	0·02	0·00	3·61	30	—	—	—

Hour L.A.T.	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.	Total for Day.	Per cent. of Possible.	Radiation at Noon, Ångström Pyrheliometer. Sky.	Total.	Vertical.

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

509. Richmond (Kew Observatory) : H_a (height of vane of anemograph above M.S.L.) = Height of ground above.
Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s	°	m/s.	°	m/s.	°	m/s.
1	255	2·0	—	1·4	270	1·6	—	1·5	235	2·5	240	2·0	245	1·6	235	2·4	230	2·4	230	3·1	245	4·0	260	3·5
2	240	3·3	245	3·5	240	3·5	250	3·0	245	3·0	255	3·1	245	3·5	240	3·5	235	4·0	250	3·6	255	3·7	245	3·4
3	250	4·3	250	4·6	240	3·1	235	3·8	240	4·0	230	5·3	240	5·1	235	5·5	230	6·6	230	6·8	225	7·5	230	7·4
4	255	2·6	260	2·4	250	2·5	250	2·6	240	2·9	245	3·0	245	3·0	250	2·2	260	2·9	260	3·3	280	4·5	290	6·0
5	290	2·9	270	1·9	245	2·4	270	4·2	260	3·5	235	3·0	230	3·6	220	4·5	205	3·9	205	5·1	210	4·5	220	2·6
6	210	2·4	220	1·9	210	2·0	240	2·0	245	2·6	235	4·1	225	4·4	220	4·6	220	4·7	230	5·8	240	5·3	265	5·9
7	240	3·9	240	4·5	240	3·9	245	3·4	240	3·0	260	2·7	255	2·5	240	2·8	210	2·6	240	2·4	280	3·6	290	4·4
8	355	3·0	350	1·9	—	1·5	350	2·4	—	1·3	345	2·0	340	1·9	225	2·0	—	1·4	245	1·6	250	1·6	—	1·5
9	285	3·5	300	3·6	305	3·8	305	4·1	310	3·0	300	2·0	260	2·0	255	2·6	260	3·4	250	3·5	240	4·1	260	4·3
10	260	4·1	270	3·8	280	3·4	295	5·5	295	5·0	290	5·1	290	6·4	290	6·2	270	5·0	265	3·5	260	2·9	280	3·9
11	230	3·6	240	3·5	240	3·6	240	3·8	245	4·0	240	4·6	245	4·3	245	3·6	250	4·1	250	5·4	255	5·5	260	6·4
12	270	5·2	265	5·1	275	5·0	270	3·4	250	2·6	260	3·0	270	3·1	255	2·2	240	3·0	235	3·4	240	3·3	230	3·3
13	245	6·2	240	6·7	245	5·5	240	5·4	255	5·1	250	4·9	255	6·0	245	5·0	250	6·4	250	5·9	245	6·8	250	7·0
14	260	2·6	255	2·5	260	3·0	270	3·4	250	2·9	260	3·6	255	3·6	260	3·9	260	4·3	250	4·0	250	3·9	260	4·6
15	240	2·5	240	2·2	240	2·8	240	3·5	230	2·4	215	2·0	230	2·0	—	1·0	240	1·6	—	1·0	245	1·9	250	2·4
16	—	0·6	—	1·3	—	1·1	—	1·5	—	1·4	—	0·8	240	1·6	220	2·2	220	2·6	230	3·0	235	2·6	235	3·0
17	—	1·0	—	1·2	—	0·2	—	0·0	—	0·0	—	0·2	—	0·3	—	0·1	—	0·2	—	0·8	—	1·3	70	2·6
18	30	4·9	30	4·5	30	5·0	25	4·1	20	2·4	30	3·3	15	4·9	30	5·5	25	4·5	20	5·1	20	5·7	20	6·0
19	—	1·0	320	1·6	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·5	270	1·6	290	2·4	280	2·5	325	3·1
20	280	2·1	280	1·6	—	1·5	270	2·4	—	1·0	—	1·1	—	1·5	—	0·6	—	0·6	—	0·8	—	1·0	—	0·2
21	120	2·0	—	1·5	—	1·5	130	1·9	140	2·0	160	1·8	180	1·8	—	1·4	205	2·4	225	2·6	230	2·9	260	2·9
22	255	2·8	255	2·9	230	2·4	240	2·5	235	3·3	235	2·8	240	2·3	225	2·5	235	2·4	245	3·6	205	2·6	185	2·8
23	240	2·1	—	1·4	—	1·5	235	2·0	230	1·9	—	1·5	235	1·6	—	1·1	—	0·6	—	0·2	—	0·4	—	1·3
24	—	0·0	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	1·3	130	2·0	180	3·4	175	4·0	190	5·3
25	210	7·4	205	6·9	210	7·5	205	7·4	205	8·4	190	6·6	200	7·2	200	8·0	200	9·0	200	9·0	200	9·1	205	8·7
26	190	2·4	175	2·7	170	2·8	170	3·1	170	3·5	175	3·9	180	5·9	180	6·5	170	6·3	170	6·8	180	7·5	185	8·0
27	220	4·5	195	4·2	190	4·5	200	7·3	210	8·9	210	9·8	205	8·5	210	8·2	210	8·0	225	7·9	240	8·0	220	9·2
28	215	7·3	215	7·6	220	8·6	225	8·8	220	8·0	220	8·9	210	7·6	210	9·0	210	9·3	210	11·1	210	11·9	215	12·1
29	195	10·6	190	10·7	190	12·0	200	12·2	230	10·0	210	12·2	210	13·1	230	11·9	245	9·3	240	7·5	230	8·9	235	9·1
30	230	5·6	235	5·1	230	5·9	230	6·0	220	5·1	200	4·4	200	4·9	205	6·2	210	6·4	205	6·4	205	6·9	215	7·6
31	225	4·9	220	4·0	215	3·6	230	3·4	230	3·6	230	3·5	230	2·6	230	3·4	230	3·4	240	3·6	260	4·8	260	5·3
Mean ...	—	3·6	—	3·4	—	3·5	—	3·7	—	3·5	—	3·6	—	3·8	—	3·9	—	4·0	—	4·3	—	4·6	—	5·0

510. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	220	2·6	240	3·9	240	2·5	270	2·3	270	2·1	275	2·5	260	2·3	240	2·4	220	2·5	240	2·4	255	4·1	260	3·6
2	40	6·4	45	6·9	45	7·0	40	6·0	35	4·3	15	3·5	15	4·6	20	5·5	20	6·5	15	5·1	25	5·9	25	5·6
3	—	0·8	—	1·0	—	1·0	—	1·3	215	2·0	—	1·3	—	1·3	—	1·5	210	3·0	225	4·8	230	6·3	230	5·6
4	220	5·1	225	5·5	235	5·0	240	5·0	240	4·6	230	5·1	240	4·8	245	3·5	260	3·5	285	3·5	295	4·4	295	4·0
5	—	1·4	215	1·8	—	1·1	—	0·8	—	0·2	—	0·0	—	0·0	—	0·0	—	0·8	—	0·8	—	1·5	230	4·0
6	285	5·4	295	4·9	305	5·4	305	5·2	315	5·6	320	5·7	325	6·4	325	4·6	335	4·7	345	5·1	345	6·5	350	6·8
7	—	1·0	—	0·2	—	0·0	—	0·0	—	0·0	290	1·8	285	2·0	285	1·8	270	2·2	245	1·7	230	1·7	—	1·3
8	95	5·5	100	5·2	95	4·3	85	4·5	65	4·0	65	4·8	55	5·4	60	5·4	75	6·2	80	7·5	75	7·4	75	7·3
9	35	5·0	35	5·5	40	5·0	40	4·2	40	4·6	55	6·0	70	6·7	70	8·2	75	7·6	75	7·5	75	7·2	75	6·4
10	—	1·5	—	1·5	—	1·3	—	1·2	—	1·0	—	1·0	—	1·3	—	1·4	—	1·5	50	2·5	45	2·3	35	1·6
11	—	0·0	—	0·0	—	0·0	—	0·1	—	0·1	—	0·1	—	0·1	—	0·1	—	0·0	—	0·0	—	0·4	—	1·0
12	—	0·0	—	0·0	—	0·2	—	0·0	—	0·6	—	1·0	—	1·1	—	1·1	60	2·1	65	3·4	30	2·5	5	1·7
13	—	0·6	—	1·0	—	1·2	—	1·0	—	0·4	—	1·0	—	0·2	—	1·2	—	0·8	—	0·2	—	0·6	200	1·6
14	—	1·5	—	0·6	—	1·1	—	0·4	—	0·5	—	1·0	—	1·5	—	0·5	—	0·0	—	1·0	240	1·6	—	0·4
15	—	0·0	—	0·2	—	1·2	—	1·3	—	1·5	—	1·4	—	0·2	—	0·6	—	0·6	—	0·4	—	0·0	—	0·6
16	200	2·5	210	2·6	—	1·5	—	1·5	—	1·5	—	1·2	—	1·0	—	1·4	—	1·5	—	1·5	—	1·5	235	1·6
17	—	1·5	—	1·5	—	1·1	—	1·3	—	1·4	—	1·5	—	1·1	—	1·0	230	1·7	—	1·5	215	1·9	235	1·8
18	—	1·5	330	2·1	325	1·9	335	2·0	335	2·3	335	2·4	340	2·3	330	1·7	335	2·0	340	3·6	340	4·5	350	4·4
19	5	2·6	360	2·0	5	1·9	10	2·1	360	1·8	—	0·2	—	0·0	—	1·1	—	0·2	—	0·2	—	1·5	—	1·0
20	205	4·2	200	5·1	195	4·6	210	5·1	210	4·8	210	5·5	220	5·1	215	5·2	220	4·5	240	3·5	240	3·2	240	2·5
21	290	2·1	280	2·1	250	2·1	245	3·0	260	1·6	215	1·9	210	1·7	240	2·4	255	2·6	265	3·0	255	3·4	250	4·0
22	190	3·9	180	2·8	190	4·1	190	3·8	195	3·6	195	4·1	190	4·2	180	3·7	180	4·6	185	5·2	190	6·0	185	5·5
23	185	5·0	190	5·4	180	5·4	185	6·4	185	7·0	190	7·4	200	7·0	195	7·0	195	7·3	215	7·0	215	8·1	210	7·1
24	135	4·5	120	4·7	125	5·0	150	5·8	150	4·5	150	4·7	150	5·0	145	4·7	140	4·5	135	2·7	125	2·0	190	2·9
25	—	1·1	—	1·3	—	1·5	90	1·8	100	1·9	—	1·5	165	3·0	145	2·0	150	3·4	135	4·1	155	4·0	145	2·4
26	230	3·7	220	4·5	225	4·0	225	3·2	240	2·9	225	3·0	220	2·5	200	1·6	185	2·3	210	5·5	210	7·0	200	5·5
27	220	6·9	210	6·5	210	5·7	220	7·9	215	7·5	210	6·9	230	7·8	220	8·3	230	8·4	240	8·2	245	9·5	240	10·0
28	175	2·2	160	3·2	160	3·4	170	3·7	170	3·5	170	3·4	185	4·4	175	4·6	190	5·2	200	5·8	195	6·7	200	7·3
Mean ...	—	2·8	—	2·9	—	2·8	—	2·9	—	2·7	—	2·9	—	3·0	—	2·9	—	3·2	—	3·5	—	4·0	—	3·8
Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

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

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

January, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
265	4·8	255	3·6	260	3·1	260	3·0	260	3·6	265	2·6	250	2·6	250	2·5	240	3·0	230	3·5	240	3·0	240	2·5	2·7	1
255	4·0	260	4·0	255	3·5	260	3·3	240	3·3	245	3·4	250	3·5	250	4·1	235	4·8	235	5·2	240	3·6	245	4·0	3·6	2
225	7·4	245	7·0	290	3·6	240	2·5	240	2·8	250	3·0	260	3·0	275	2·6	265	2·5	240	3·0	240	3·5	240	2·8	4·5	3
300	6·7	290	6·2	295	5·2	320	7·0	325	5·4	315	5·2	290	3·5	300	4·7	305	5·3	300	3·7	295	4·0	295	4·2	4·1	4
255	2·8	280	2·1	300	2·5	290	2·5	275	2·4	255	2·5	265	3·0	260	2·6	250	2·0	260	2·4	260	2·0	205	1·6	3·0	5
275	5·5	270	5·0	270	4·1	260	4·5	250	3·6	255	3·9	245	3·6	240	4·1	250	4·5	245	4·2	240	3·8	240	3·4	4·0	6
300	4·2	290	4·4	270	3·0	280	3·4	270	2·9	240	2·0	250	1·8	270	2·1	300	1·6	315	1·9	345	2·6	10	3·9	3·1	7
235	2·3	240	2·5	230	3·6	220	3·9	225	5·4	230	5·6	240	5·1	250	4·8	250	4·3	260	3·5	260	3·4	285	4·1	2·9	8
265	4·1	280	5·0	280	4·3	275	4·0	270	3·0	255	3·4	—	1·5	215	2·5	225	2·3	225	2·9	250	3·4	260	3·7	3·3	9
280	3·8	280	3·4	265	2·7	280	3·1	270	1·6	245	2·5	240	2·9	240	3·4	235	3·2	240	3·3	240	4·0	240	3·5	3·8	10
260	6·1	260	5·1	240	4·9	240	4·6	240	4·5	245	4·7	250	5·5	255	5·4	250	5·5	250	5·6	260	6·0	265	5·2	4·8	11
220	4·5	215	4·6	205	4·2	215	7·0	220	8·3	220	8·0	210	8·3	210	8·0	210	8·7	220	8·0	260	6·6	250	6·0	5·2	12
260	7·2	245	7·7	245	6·7	230	6·0	210	4·7	200	4·9	195	4·6	200	5·4	195	6·3	200	5·0	220	2·9	250	3·0	5·7	13
260	4·5	260	4·4	275	4·5	260	2·5	245	2·1	275	3·5	250	2·5	240	3·1	240	3·3	250	2·7	235	3·1	240	3·3	3·4	14
255	2·6	245	3·0	260	2·0	—	1·5	—	1·0	—	0·8	—	1·0	—	0·7	—	1·2	—	1·1	—	0·8	—	0·8	1·8	15
240	3·4	260	3·5	250	2·5	240	3·1	225	1·9	210	1·8	200	1·6	200	1·6	—	1·5	—	1·3	—	1·3	—	0·3	1·9	16
80	3·0	95	2·1	125	1·8	155	2·0	125	2·5	95	3·6	90	4·2	75	5·2	80	6·2	65	4·4	45	3·8	45	3·8	2·0	17
15	4·5	15	4·6	10	3·9	10	4·1	355	3·3	350	3·1	360	4·1	360	4·2	360	3·1	360	3·1	350	2·0	—	1·3	4·1	18
330	3·8	330	3·5	310	3·1	310	3·3	310	4·4	310	4·3	315	3·5	300	3·1	265	1·6	285	2·4	300	2·6	260	2·5	2·4	19
—	1·1	—	1·5	145	2·1	145	2·9	135	3·6	130	3·0	135	2·6	140	3·0	150	3·2	140	2·8	145	3·4	135	2·5	1·9	20
280	4·1	280	4·0	275	3·0	250	2·7	260	2·6	260	2·5	255	3·0	255	2·5	250	2·4	250	2·4	260	2·9	255	2·5	2·5	21
170	2·5	215	2·0	230	2·0	245	1·6	—	1·3	—	0·1	235	1·8	235	2·4	240	2·0	—	1·3	235	1·6	230	2·0	2·2	22
300	2·0	295	1·8	270	1·9	—	0·8	—	0·4	—	0·2	—	0·0	—	0·0	—	0·0	—	0·2	—	0·2	—	0·0	**1·0**	23
195	5·1	185	5·5	190	6·1	180	6·0	180	6·5	175	6·1	180	6·3	195	6·6	200	8·0	200	8·2	200	6·9	200	6·6	3·8	24
205	8·2	210	8·4	220	7·6	225	7·9	220	6·5	220	6·5	215	6·0	210	5·4	210	4·5	205	2·5	170	3·0	170	3·0	6·9	25
185	8·7	190	9·5	195	9·4	210	8·6	230	7·2	240	5·1	260	5·5	240	5·1	235	5·0	230	5·5	225	6·4	225	5·6	5·8	26
230	9·5	250	9·8	265	10·3	260	8·1	240	6·0	225	6·7	230	7·1	225	7·1	225	6·3	220	6·4	220	6·5	220	6·6	7·5	27
215	14·0	220	15·1	220	14·3	220	14·0	220	12·5	210	11·9	210	11·2	210	11·1	205	10·4	205	10·3	200	10·4	190	10·1	**10·6**	28
240	8·6	245	8·6	240	7·5	240	6·5	230	7·0	230	7·0	230	7·5	235	6·6	240	6·1	230	6·5	225	6·2	225	6·8	8·9	29
220	7·9	210	7·6	215	6·4	205	4·8	210	5·0	220	5·0	220	6·0	220	6·3	230	5·4	230	4·6	220	5·6	220	5·6	5·9	30
250	5·8	260	6·2	255	5·0	250	3·6	240	3·4	230	3·9	230	3·9	230	3·5	225	2·6	215	3·8	220	4·4	220	3·8	4·0	31
—	**5·2**	—	5·2	—	4·7	—	4·5	—	4·2	—	4·1	—	4·1	—	4·2	—	4·1	—	3·9	—	3·9	—	3·7	4·1	—

February, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
200	3·4	250	3·4	240	3·5	—	1·3	—	1·1	—	1·5	—	1·5	—	0·2	90	3·0	80	5·1	70	3·8	65	6·0	**2·7**	1
15	5·3	10	5·0	15	4·7	15	3·4	15	1·6	—	0·2	—	0·0	—	0·3	—	1·0	—	1·2	—	1·3	—	1·0	**3·9**	2
225	5·0	230	6·0	225	5·7	220	5·4	220	5·1	220	5·5	225	5·1	235	4·4	240	4·8	225	4·5	225	5·1	225	6·5	**3·8**	3
320	4·2	315	4·0	330	3·8	315	3·0	—	1·5	—	1·4	—	1·2	—	1·4	240	2·4	—	1·4	—	1·0	—	1·4	**3·5**	4
220	5·9	225	5·4	225	4·7	220	4·6	230	5·6	230	6·2	235	6·5	245	5·7	255	5·0	270	4·5	290	4·1	290	4·2	**3·1**	5
350	6·5	355	5·5	5	5·3	5	4·8	355	4·6	350	3·4	355	2·4	355	2·9	10	2·8	10	2·2	—	1·3	—	1·1	4·6	6
—	1·3	—	1·0	—	0·8	—	0·6	—	1·0	50	2·6	75	5·0	85	5·0	75	4·8	75	5·0	80	5·0	95	6·5	2·1	7
75	7·1	80	7·2	70	7·7	75	8·0	70	8·3	60	7·4	50	7·9	55	7·9	60	6·7	60	7·5	50	6·4	40	5·4	6·5	8
40	5·2	50	5·3	70	6·0	70	6·5	75	5·3	90	4·3	105	3·1	110	3·9	120	3·1	140	3·1	135	2·8	115	1·9	5·3	9
—	1·0	—	1·3	—	1·2	—	1·2	—	1·0	—	1·3	—	1·4	—	1·2	—	1·5	—	0·6	—	1·0	—	0·0	1·3	10
—	1·0	—	1·1	—	1·3	—	1·0	—	1·2	—	1·0	—	1·0	—	1·0	—	0·8	—	0·2	—	0·2	—	0·0	**0·5**	11
—	1·3	50	2·0	—	1·5	10	2·5	5	1·6	25	2·5	30	1·8	—	1·5	—	1·4	—	1·2	—	1·4	—	0·6	1·4	12
—	1·5	—	1·3	—	1·2	—	1·1	—	0·2	—	0·2	—	0·8	—	0·2	—	1·2	—	1·3	—	1·5	—	1·1	0·9	13
—	0·8	—	0·8	250	1·8	—	1·5	280	1·6	—	1·5	300	1·9	280	1·6	—	0·0	—	0·0	—	0·0	—	0·0	0·9	14
—	1·0	—	1·4	—	1·5	—	1·4	—	1·1	—	1·0	—	1·2	—	1·1	—	1·3	—	1·4	180	1·8	175	2·5	1·0	15
—	0·6	—	1·1	—	1·5	—	1·4	—	1·0	—	0·2	—	1·0	—	1·0	—	1·5	—	1·2	—	1·0	—	1·3	1·4	16
255	2·1	270	2·2	275	1·8	290	2·3	300	1·9	310	2·3	325	2·0	315	2·0	315	2·4	290	2·0	315	2·3	—	1·5	1·7	17
340	4·0	350	4·1	355	3·9	360	2·5	—	1·5	10	1·6	—	1·1	—	1·5	—	1·5	355	2·0	5	2·3	5	2·5	2·4	18
—	1·5	—	1·1	—	0·2	—	0·0	—	1·0	—	1·2	180	2·1	190	2·0	185	2·3	180	2·4	190	2·9	200	2·4	1·4	19
250	2·5	240	2·0	235	2·4	240	1·6	230	2·0	230	1·9	230	2·9	240	2·1	260	3·7	265	4·8	275	4·5	300	2·6	3·6	20
240	3·6	235	3·5	230	5·0	215	4·5	210	4·3	195	4·0	190	3·4	185	3·0	175	3·4	185	3·8	195	3·9	200	3·6	3·1	21
185	6·2	185	5·9	180	6·3	170	6·4	165	5·3	155	4·6	155	5·0	155	5·6	165	5·2	210	4·7	190	3·2	190	3·7	4·7	22
225	6·5	215	6·4	210	6·6	205	6·3	190	3·3	215	4·7	—	1·5	130	1·8	155	1·8	170	2·9	160	4·0	145	4·3	5·4	23
220	3·2	230	2·5	310	5·8	290	6·0	290	4·9	265	3·4	240	3·9	235	3·4	220	2·1	220	2·1	—	1·4	—	1·0	3·9	24
110	3·3	100	4·5	105	2·1	—	1·4	250	1·6	240	3·7	230	4·9	250	4·4	250	4·0	240	4·1	240	3·5	235	3·8	2·8	25
190	5·0	195	6·6	185	7·0	185	6·5	180	7·0	185	8·9	200	8·6	210	7·3	210	6·4	210	5·7	210	5·8	215	7·5	5·3	26
240	10·3	245	8·8	245	9·0	250	8·7	255	8·3	260	6·4	255	5·6	250	6·9	235	6·0	240	3·8	230	4·4	200	2·5	**7·4**	27
190	9·1	185	9·9	190	10·2	195	10·5	205	11·3	205	11·5	205	11·1	210	10·4	210	9·9	215	9·7	220	10·0	225	9·7	7·2	28
—	3·9	—	3·9	—	**4·0**	—	3·7	—	3·4	—	3·4	—	3·4	—	3·2	—	3·2	—	3·2	—	3·1	--	3·0	3·3	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22	23.	24.	Mean	Day.

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

511. Richmond (Kew Observatory) : H_a (height of vane of anemograph above M.S.L.)=Height of ground above Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	225	9·5	230	9·3	230	8·8	225	7·2	225	7·8	215	5·4	220	5·2	210	5·0	215	6·8	225	7·4	230	7·4	220	7·5
2	235	3·1	240	3·2	235	3·1	240	3·0	245	3·7	250	3·8	235	2·9	240	3·9	250	4·6	255	5·0	255	5·6	255	5·9
3	270	7·9	270	8·5	270	7·8	270	8·1	270	8·2	270	7·9	270	6·8	280	7·5	280	7·7	280	8·3	290	7·3	280	7·3
4	210	5·6	210	5·6	205	5·0	215	6·6	220	7·3	220	7·4	205	6·7	205	6·5	200	7·0	200	7·2	205	7·6	205	7·3
5	210	5·8	205	5·6	205	5·0	205	6·0	200	6·5	200	7·0	195	6·8	200	7·4	200	8·3	200	8·6	205	8·9	200	8·4
6	270	4·5	280	4·2	275	4·5	275	4·5	280	4·5	285	4·3	275	3·4	270	3·4	270	4·7	280	4·4	285	5·4	285	6·4
7	190	1·9	175	2·5	170	2·3	165	2·6	195	3·9	160	2·1	—	1·2	—	0·8	—	0·0	—	0·0	280	2·2	285	3·6
8	230	3·5	230	4·2	230	3·8	230	3·6	230	4·2	230	4·4	240	3·9	245	4·2	260	5·4	270	7·0	270	6·7	280	6·9
9	270	3·0	270	2·1	245	2·7	235	2·5	—	1·5	—	1·5	—	1·1	—	1·1	—	1·0	—	1·5	210	2·5	215	4·1
10	255	2·0	250	1·8	250	2·0	250	1·6	230	2·5	235	2·4	240	2·2	—	1·5	—	1·5	305	2·2	290	2·0	285	3·1
11	—	1·0	—	0·6	—	0·0	—	0·1	—	0·1	—	0·0	—	0·8	—	1·1	10	1·9	10	1·7	10	2·4	15	4·0
12	10	2·1	—	1·5	10	2·8	5	2·3	10	2·5	5	2·5	10	3·0	15	3·6	20	4·2	40	5·0	20	5·2	20	5·3
13	25	4·4	20	5·2	20	5·0	30	5·8	25	6·1	30	4·9	35	5·1	40	5·3	40	6·5	50	7·9	50	7·9	45	8·4
14	30	6·0	25	6·4	25	5·6	35	5·1	20	4·5	15	3·9	15	3·9	10	4·3	15	4·2	20	3·7	15	4·1	10	3·1
15	—	1·0	—	1·0	110	2·0	100	2·0	100	2·0	105	1·8	110	2·5	110	2·5	130	4·3	180	4·8	165	4·3	150	4·7
16	—	1·2	—	1·5	85	2·5	—	1·5	75	1·9	85	2·9	85	2·0	80	3·5	85	3·6	105	4·7	125	6·5	120	7·3
17	85	4·3	90	2·9	70	2·0	—	1·5	70	1·6	65	1·8	—	1·4	65	1·7	120	3·0	135	3·7	155	3·1	160	2·6
18	185	2·0	185	2·5	170	2·0	160	2·4	185	3·4	190	4·0	180	3·4	190	3·7	190	4·1	205	3·0	195	1·9	—	1·3
19	255	3·0	255	2·5	230	2·0	190	1·8	210	3·0	210	2·4	210	2·4	225	3·1	225	3·1	220	3·5	230	4·1	230	3·2
20	220	3·6	215	3·6	210	3·6	230	2·5	230	2·7	220	2·4	230	2·8	220	2·8	215	2·4	215	2·5	220	3·7	225	4·6
21	—	0·0	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	1·4	180	3·3	170	3·3	170	5·0
22	190	4·5	200	5·4	195	5·0	195	5·4	200	5·5	200	4·5	195	5·5	210	6·7	220	6·5	215	8·8	220	9·0	210	9·5
23	180	6·3	185	8·3	200	8·3	200	6·4	190	5·5	190	5·5	190	5·5	190	7·4	190	7·3	210	7·9	205	8·4	200	9·1
24	240	6·4	240	5·5	220	5·5	210	5·9	225	6·0	245	4·6	205	3·6	205	6·5	200	5·4	200	7·9	200	7·2	200	7·6
25	185	4·2	185	4·0	170	3·5	175	4·6	170	5·4	170	5·6	165	7·7	160	8·2	170	7·9	200	8·3	255	3·9	270	5·3
26	255	7·0	240	7·5	245	7·6	245	7·9	245	7·9	245	7·0	250	7·5	245	7·3	245	8·4	250	9·1	240	9·5	240	8·0
27	215	5·9	220	6·5	220	6·1	220	4·8	215	5·1	215	4·5	215	4·2	225	5·4	220	5·6	215	5·4	220	5·4	220	5·3
28	—	1·1	—	1·1	—	1·2	220	1·6	—	1·4	210	1·7	—	1·3	—	1·0	220	1·7	240	2·5	230	3·0	250	3·2
29	225	2·5	225	2·4	215	2·0	—	1·5	205	1·7	—	1·0	—	1·0	—	1·4	180	2·0	165	3·2	175	3·5	175	3·6
30	210	2·5	220	2·7	205	1·9	205	3·7	190	3·3	205	4·5	225	4·8	250	5·6	255	7·0	285	7·7	280	7·7	290	8·1
31	270	3·8	270	3·9	265	3·0	265	1·6	—	1·4	—	1·4	—	1·3	260	1·9	260	2·6	260	2·3	230	3·9	220	4·3
Mean ...	—	3·9	—	3·9	—	3·8	—	3·7	—	3·9	—	3·6	—	3·5	—	4·0	—	4·5	—	5·1	—	5·3	—	5·6

512. Richmond (Kew Observatory) : H_a = 5 metres +20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	20	4·1	5	4·7	355	4·6	350	5·5	350	6·4	350	7·1	355	9·0	350	8·4	350	7·9	355	8·5	345	8·3	350	7·5
2	—	0·2	—	0·8	—	1·0	—	1·5	—	1·1	—	1·1	—	0·2	—	0·2	—	0·0	180	2·0	175	3·5	185	3·9
3	—	1·5	—	1·0	—	1·0	315	1·7	320	1·8	325	3·3	320	3·1	310	3·5	320	4·4	320	5·0	310	5·2	315	4·8
4	—	0·2	—	0·0	—	0·2	—	0·0	—	0·2	—	0·2	—	0·2	190	2·0	200	3·5	200	3·0	215	4·5	210	5·1
5	230	4·7	230	4·5	250	5·0	250	4·0	240	3·5	230	3·7	230	4·5	240	4·7	245	5·6	245	6·4	250	6·4	245	6·7
6	185	1·6	235	1·8	240	1·7	275	2·1	270	2·1	275	3·0	310	4·1	305	4·4	300	5·6	310	5·7	300	5·8	295	5·8
7	—	0·6	—	0·8	—	1·0	195	1·6	—	0·2	—	0·0	—	0·0	—	0·0	—	1·5	5	2·1	15	3·1	360	3·0
8	250	3·5	255	3·6	250	3·4	250	3·0	240	2·4	230	2·5	240	2·8	230	3·2	245	4·2	240	4·9	260	4·6	240	4·6
9	165	1·9	170	2·0	—	0·4	—	0·8	145	2·0	140	1·9	150	2·5	155	2·9	190	3·1	140	2·4	210	3·4	—	0·6
10	—	1·3	340	2·1	325	2·5	330	3·4	310	2·9	325	2·0	340	2·2	325	2·1	325	2·3	340	2·0	345	3·1	345	3·1
11	360	3·1	355	3·6	360	4·0	360	3·5	5	4·5	350	4·6	345	4·5	340	3·9	345	4·1	340	5·0	330	5·3	325	4·9
12	5	2·5	360	2·0	—	1·5	—	0·8	—	0·7	—	1·0	300	2·1	285	3·4	285	4·5	305	5·1	290	5·3	305	5·0
13	280	3·8	275	3·8	265	3·5	270	1·6	240	2·0	225	2·1	240	2·4	280	3·1	310	3·3	300	3·4	300	3·2	265	3·7
14	255	5·9	250	6·0	250	6·3	255	5·8	250	6·8	255	7·2	260	6·0	260	6·1	265	5·5	270	6·0	270	6·4	275	6·9
15	290	4·0	290	3·9	290	4·3	305	5·5	305	3·9	300	4·5	295	4·6	305	5·6	325	5·5	340	4·6	335	4·6	345	5·0
16	310	1·7	305	2·4	325	2·5	320	3·4	330	3·0	330	3·1	335	2·7	340	4·1	345	4·0	335	3·8	330	3·8	340	4·0
17	310	1·6	—	1·1	—	0·6	—	1·2	—	1·4	—	1·5	—	1·3	—	1·0	—	1·3	305	2·4	290	2·8	290	2·1
18	230	1·7	225	2·0	—	1·5	—	1·1	—	1·0	—	0·6	—	1·4	—	0·6	—	1·0	220	1·8	215	1·9	—	1·2
19	—	1·1	—	1·5	—	1·0	220	1·7	—	1·5	240	2·4	240	4·8	240	4·2	260	3·5	260	3·3	270	4·2	265	4·1
20	235	2·5	245	2·2	230	2·5	235	2·4	235	2·4	235	1·9	255	2·2	275	3·6	270	4·5	265	5·4	270	5·7	270	5·9
21	225	3·6	230	3·8	230	4·5	230	4·4	230	4·2	230	3·6	245	2·0	240	3·0	245	4·7	270	6·0	270	6·6	275	6·5
22	250	5·1	250	5·0	260	6·7	260	5·5	260	7·0	270	6·3	270	6·0	265	6·0	265	5·8	255	6·0	260	6·8	260	7·9
23	240	7·0	245	7·9	260	7·4	270	7·1	275	5·8	275	5·7	275	6·8	295	8·1	290	8·9	300	7·5	290	7·1	305	7·4
24	260	3·1	240	3·0	250	3·5	255	3·6	250	4·6	260	4·5	270	6·0	275	5·8	285	6·4	285	6·0	280	6·5	285	6·3
25	270	4·1	265	4·5	260	4·5	260	4·5	255	4·9	255	5·0	260	5·4	260	6·9	270	7·5	260	8·8	270	8·9	265	8·7
26	305	7·0	320	7·1	305	4·2	290	3·5	285	3·6	290	5·0	300	6·4	305	6·6	315	7·0	310	6·6	310	6·7	310	6·0
27	—	1·5	—	1·5	270	1·6	—	0·4	—	1·5	220	2·1	225	1·7	255	2·1	255	2·6	260	4·1	270	4·7	270	5·4
28	240	2·6	240	2·4	240	2·7	230	2·9	225	2·3	240	2·0	—	1·3	260	1·8	—	1·5	—	1·5	195	2·1	205	2·8
29	240	2·4	230	2·3	—	1·5	—	1·0	—	1·1	—	1·3	—	1·4	330	1·9	340	2·5	325	2·3	310	2·9	315	3·3
30	360	4·4	5	4·1	10	3·8	15	3·2	20	2·8	20	3·1	20	3·9	15	4·2	15	4·1	360	4·5	360	4·7	10	4·6
Mean ...	—	2·9	—	3·0	—	3·0	—	2·9	—	2·9	—	3·1	—	3·4	—	3·8	—	4·2	—	4·5	—	4·9	—	4·9

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

March, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
210	7·8	210	8·2	215	8·0	220	6·4	225	6·3	230	4·7	235	3·0	235	2·8	230	2·7	235	2·8	250	3·0	240	3·0	6·2	1
245	6·3	240	7·3	230	8·4	225	9·3	220	8·6	220	9·6	235	8·0	240	6·7	255	7·2	265	7·5	265	7·5	270	8·2	5·8	2
280	8·4	285	7·2	280	6·5	265	5·5	265	5·4	255	4·1	215	2·6	215	3·9	220	4·3	205	4·1	190	3·9	210	6·1	6·5	3
215	8·3	230	7·5	235	7·4	230	7·4	230	6·8	215	5·0	210	4·3	210	5·4	210	5·5	205	4·4	215	5·0	215	5·5	6·4	4
205	7·9	205	7·5	205	8·1	210	6·3	220	4·0	220	4·2	225	5·6	225	5·9	240	4·6	240	4·2	250	4·0	260	4·0	6·3	5
275	5·6	280	5·5	285	5·9	275	5·1	270	5·2	265	4·3	250	3·5	240	3·6	240	3·7	210	3·0	205	2·4	215	2·4	4·4	6
295	4·4	300	4·5	295	3·3	285	4·3	295	5·4	295	3·5	265	2·3	250	2·9	250	2·9	240	2·6	235	3·4	225	3·1	2·7	7
290	6·2	280	5·5	270	4·0	270	5·6	270	5·6	290	3·6	310	3·8	300	4·2	295	3·1	280	3·0	270	3·1	270	3·2	4·5	8
225	3·3	200	2·8	210	2·8	255	2·4	175	2·5	—	0·9	—	1·4	230	2·3	240	1·8	230	2·0	255	1·8	280	1·9	2·1	9
295	3·2	315	2·7	340	2·4	315	1·7	235	4·1	240	2·0	—	1·0	—	1·5	—	1·0	—	0·6	—	0·5	—	0·8	1·9	10
15	3·5	20	3·8	10	2·9	15	3·7	5	3·2	10	2·7	15	2·8	15	2·6	30	2·6	15	3·5	15	2·9	10	2·4	2·1	11
40	4·7	25	5·0	20	5·8	20	4·9	15	4·8	15	3·7	40	4·6	50	5·5	35	4·7	15	3·1	20	3·2	20	3·7	3·9	12
45	8·5	40	7·8	40	8·4	50	8·1	50	7·6	50	8·0	45	8·4	50	7·9	45	7·5	40	6·7	35	5·9	30	6·5	6·8	13
10	3·0	15	2·9	10	2·8	25	3·8	40	3·7	—	1·5	—	1·1	—	0·0	—	0·3	130	2·0	—	1·1	—	1·0	3·4	14
160	4·5	160	4·6	170	4·1	155	4·6	155	4·4	150	2·5	140	3·3	120	2·8	—	1·5	90	2·4	80	1·8	95	1·8	2·9	15
125	7·4	115	6·5	105	6·5	105	6·3	95	6·7	85	7·7	80	7·5	90	7·3	95	4·9	85	3·7	75	3·2	—	1·5	4·5	16
165	4·6	170	4·6	165	5·4	185	5·5	190	4·5	185	2·9	190	2·9	195	2·6	195	2·1	210	2·9	210	3·1	205	2·0	3·0	17
—	1·2	240	1·9	220	1·7	205	2·6	220	1·9	240	2·5	245	2·0	—	1·5	—	1·5	215	2·1	240	1·7	220	2·5	2·4	18
205	2·9	210	3·6	215	4·6	205	5·2	220	6·1	210	5·2	210	4·4	220	3·4	215	3·6	220	3·7	215	3·7	210	3·4	3·5	19
215	4·8	205	4·5	185	4·6	195	4·2	185	3·2	190	3·3	180	2·5	190	2·3	—	0·2	—	0·0	—	0·0	—	0·0	2·9	20
170	5·0	170	6·3	180	6·4	175	6·0	175	4·9	175	3·5	175	2·4	175	2·5	185	2·5	180	2·6	190	3·1	190	3·6	2·5	21
210	9·0	215	8·0	215	8·7	215	8·6	210	6·8	190	5·5	185	5·0	175	4·7	190	4·9	180	5·0	165	5·5	175	5·4	6·4	22
215	8·8	240	8·0	235	5·9	230	6·5	240	7·2	235	6·7	235	6·3	240	5·9	**240**	7·5	245	8·4	250	7·5	245	6·4	7·1	23
200	6·5	200	6·4	190	4·9	190	5·2	200	5·4	190	5·7	190	5·4	190	5·4	**190**	4·6	185	4·8	185	4·7	185	5·2	5·7	24
250	7·0	240	7·7	250	7·5	255	6·6	230	5·5	240	5·7	195	3·7	200	5·6	195	5·0	230	6·2	245	6·5	240	7·9	5·9	25
250	9·4	250	7·4	230	8·5	230	9·0	230	7·0	225	7·2	225	7·0	225	7·7	225	7·0	220	6·4	220	6·2	215	6·1	**7·7**	26
250	5·9	240	3·8	230	4·6	220	3·6	210	3·5	200	3·6	210	2·0	220	2·0	220	1·9	230	1·9	—	1·5	—	0·8	4·3	27
250	3·5	240	4·3	255	3·5	260	3·0	250	3·3	235	3·8	230	3·1	220	3·1	225	2·5	225	2·1	220	2·5	215	2·4	2·4	28
170	3·5	170	3·9	160	3·1	—	1·5	—	1·3	—	1·0	—	0·8	—	0·0	—	0·4	—	1·0	—	1·4	—	1·5	**1·9**	29
295	8·1	295	8·0	295	9·2	290	8·2	290	7·0	290	6·4	275	3·9	275	3·6	285	5·1	290	4·9	285	3·6	250	2·6	5·4	30
210	4·9	215	5·8	195	5·6	190	6·4	180	5·5	160	7·1	160	7·4	175	5·0	175	4·3	165	3·4	90	3·5	60	3·4	3·9	31
—	**5·7**	—	5·6	—	5·5	—	5·4	—	5·1	—	4·5	—	3·9	—	3·9	—	3·6	—	3·6	—	**3·5**	—	3·5	4·4	—

April, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
345	7·0	355	6·3	360	5·9	350	5·4	360	3·6	320	2·0	—	1·2	—	1·0	—	1·5	—	1·5	—	0·8	—	0·3	5·0	1
195	6·0	195	6·2	200	6·0	205	6·4	180	4·4	170	4·0	160	3·5	175	3·4	180	3·2	180	3·7	170	2·5	170	2·0	2·7	2
320	4·6	315	5·1	325	4·9	320	4·7	320	3·6	330	2·4	—	1·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	2·7	3
205	4·1	195	4·1	195	4·1	200	3·9	200	4·2	210	4·5	210	4·5	205	5·5	205	5·6	220	7·2	230	5·6	230	4·2	3·1	4
250	7·1	245	6·5	240	6·4	240	7·2	240	6·6	240	5·6	235	4·2	230	3·6	205	2·3	210	2·0	—	1·5	160	1·6	4·8	5
300	6·1	290	6·0	280	6·0	275	5·9	275	6·0	270	4·4	265	2·8	255	2·7	245	2·0	230	2·8	230	2·4	—	1·1	3·8	6
340	2·9	325	2·1	320	4·5	315	4·6	310	3·7	260	2·0	265	3·0	300	2·1	240	3·0	260	3·1	255	2·6	245	2·9	2·1	7
230	4·9	220	6·4	255	5·1	260	3·6	220	4·8	200	3·8	170	2·5	135	2·6	125	3·2	130	3·7	175	3·4	130	2·0	3·7	8
65	1·6	65	2·9	55	3·3	50	2·0	—	1·4	—	1·0	—	0·2	—	0·0	—	0·3	—	0·2	—	1·0	—	1·5	1·7	9
320	3·4	280	2·7	295	2·8	350	2·6	320	3·0	320	3·4	345	2·6	355	1·6	5	3·5	5	3·1	360	1·9	355	2·2	2·6	10
305	5·5	305	5·5	295	6·2	285	5·9	290	5·7	290	5·0	290	4·5	290	4·3	295	3·5	320	4·1	10	4·1	10	3·0	4·5	11
310	5·2	320	5·9	325	6·0	330	4·6	330	3·1	330	2·6	310	2·2	295	1·9	280	2·6	270	2·9	260	2·6	270	3·2	3·2	12
285	4·5	270	4·4	255	5·0	245	6·2	250	6·1	260	4·0	280	5·2	275	4·8	265	5·1	260	6·1	265	6·0	265	5·8	4·1	13
270	5·6	265	6·5	265	7·0	270	7·1	270	5·8	265	5·3	260	4·7	265	4·3	280	5·0	280	3·7	275	3·0	275	3·9	5·7	14
340	5·2	350	4·2	350	3·9	350	3·3	335	2·6	320	2·5	330	3·0	335	2·2	325	2·0	315	2·6	295	1·8	280	2·5	3·9	15
345	3·5	340	3·3	340	2·9	345	3·1	345	2·5	345	1·9	350	2·0	340	2·6	350	2·2	350	2·0	360	1·7	—	1·0	2·8	16
280	2·6	300	3·6	300	4·0	295	3·9	300	3·5	300	3·0	295	2·0	280	1·9	270	1·6	260	1·9	240	1·9	235	1·8	2·1	17
305	1·9	260	2·0	—	1·3	—	1·0	—	1·5	—	1·5	—	1·0	225	1·9	215	2·9	230	2·5	—	1·4	—	1·0	**1·5**	18
275	3·6	275	3·3	280	3·6	290	4·6	290	5·0	285	4·3	280	3·8	280	3·5	260	2·5	265	2·4	260	1·8	255	2·1	3·1	19
270	0·4	280	7·0	270	7·5	270	6·0	265	6·2	265	4·6	250	3·9	255	4·9	250	4·8	230	4·0	225	4·7	225	4·0	4·3	20
280	7·3	280	5·7	280	5·8	270	6·0	255	6·0	240	5·1	225	4·7	235	6·0	240	5·0	240	3·0	240	3·4	250	4·0	4·8	21
260	7·6	270	7·2	265	7·4	260	7·7	250	7·4	245	6·3	230	7·0	230	7·2	230	7·0	235	6·8	230	8·0	240	7·9	6·7	22
305	6·0	315	5·2	330	4·3	315	5·2	320	5·4	305	4·9	305	4·3	305	3·3	275	2·7	260	2·9	270	2·5	270	3·4	5·8	23
280	6·6	285	5·7	280	6·3	270	6·0	280	5·9	275	5·7	270	5·9	260	5·4	260	5·2	270	5·5	270	4·9	265	4·0	5·3	24
270	9·2	270	8·9	270	9·7	270	8·9	270	9·9	270	9·8	270	8·6	270	8·6	295	8·0	295	6·2	275	5·8	270	6·3	**7·2**	25
315	5·4	345	4·6	340	5·7	335	5·4	330	3·2	340	2·3	320	1·8	300	1·7	—	1·5	—	1·3	—	1·0	—	1·2	4·5	26
290	5·9	275	5·4	285	4·7	290	5·4	285	4·3	290	4·0	290	3·0	285	2·5	265	2·5	250	3·1	250	3·0	250	2·7	3·1	27
215	3·4	225	3·4	220	4·2	215	5·5	210	5·8	215	6·0	220	5·0	215	3·2	225	2·5	220	3·0	225	2·1	225	2·1	3·0	28
345	3·4	325	3·4	320	3·5	340	3·4	350	4·0	350	5·4	355	4·5	350	4·5	355	3·5	355	3·5	360	4·0	360	4·7	2·9	29
15	5·0	20	5·0	20	4·6	20	4·6	25	4·0	20	3·3	35	2·9	95	5·2	95	4·1	105	2·4	120	1·8	—	1·0	3·9	30
—	5·1	—	4·9	—	**5·1**	—	5·0	—	4·6	—	4·0	—	3·5	—	3·4	—	3·3	—	3·2	—	2·9	—	**2·8**	3·8	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

513. Richmond (Kew Observatory) : H_a (height of vane of anemograph above M.S.L.)=Height of ground above Dines Anemograph from Jan., 1926.

Hour. G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·0	—	0·4	—	0·2	—	0·2	—	0·0	75	3·4	80	4·5	90	4·4	95	4·6	90	5·4
2	85	5·1	85	4·2	75	3·4	70	2·6	70	3·4	80	4·9	95	4·4	85	4·1	100	3·6	105	3·9	130	5·0	160	6·4
3	200	3·1	185	2·5	190	2·6	205	3·2	195	2·8	190	3·6	200	3·4	200	4·3	200	5·5	180	5·2	180	6·0	190	6·0
4	60	2·4	60	2·1	—	1·5	70	2·5	65	2·0	70	2·2	80	3·7	85	3·8	75	3·7	115	5·4	135	6·3	190	5·0
5	5	2·4	10	2·1	—	1·0	—	0·2	10	2·4	20	3·2	15	2·6	20	2·9	10	4·6	10	3·5	5	3·5	10	4·0
6	10	3·6	20	4·6	15	4·7	35	4·3	35	4·5	40	3·6	55	2·5	40	4·8	25	3·3	35	2·6	45	4·6	40	4·3
7	70	5·2	70	5·2	55	4·1	50	3·6	40	3·3	50	3·3	40	3·3	45	3·4	55	4·3	60	5·1	70	7·3	50	7·7
8	45	5·2	40	3·9	40	4·0	45	3·8	45	4·3	45	5·2	55	5·7	55	5·7	60	6·3	80	7·7	80	8·5	85	8·3
9	30	2·2	30	1·9	20	2·6	—	0·8	30	2·5	40	1·7	—	1·5	60	1·7	75	2·8	65	4·1	85	6·4	80	6·6
10	40	4·0	40	4·0	40	4·3	40	4·8	45	5·5	45	5·9	40	6·0	35	6·2	35	6·6	50	6·6	35	5·5	30	6·5
11	30	4·4	40	5·1	25	3·9	15	3·1	25	3·8	20	4·3	20	5·0	35	5·3	30	5·0	25	4·5	35	4·4	35	4·5
12	215	1·9	230	2·2	230	2·0	235	2·0	—	1·1	—	1·2	280	2·1	290	2·4	290	2·6	325	3·9	330	4·4	330	4·5
13	40	2·8	15	2·9	—	1·0	—	0·7	—	1·4	20	3·2	10	2·6	15	3·0	20	3·5	20	3·7	25	3·7	15	4·1
14	200	2–0	195	2·1	205	3·2	220	3·9	215	4·1	215	3·9	225	3·9	230	4·7	235	4·1	225	4·5	240	4·0	225	5·6
15	215	4·5	215	4·5	220	4·0	220	4·4	220	4·5	225	3·5	230	3·7	235	4·2	235	4·2	245	4·0	235	4·5	230	4·1
16	210	4·1	205	3·8	210	4·9	210	4·9	210	5·5	215	6·4	210	5·8	210	7·1	220	7·3	215	8·0	215	8·6	220	8·2
17	210	4·8	215	3·9	210	4·0	220	3·1	335	2·9	5	1·6	360	1·8	5	2·3	360	2·5	340	2·0	335	2·5	335	2·9
18	85	2·4	—	1·1	—	0·9	—	1·4	—	0·6	—	0·7	—	1·1	140	2·5	155	2·3	150	1·8	160	1·7	120	2·0
19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	10	2·5	10	4·3	5	3·8	15	4·0
20	—	0·3	—	0·9	—	1·0	—	0·8	210	2·0	225	2·8	235	2·1	235	2·6	230	3·8	225	4·0	220	3·7	230	4·2
21	230	3·0	220	2·9	225	3·9	225	3·9	225	3·6	235	4·3	250	5·3	245	4·9	280	6·0	300	5·5	300	5·5	290	6·5
22	290	4·1	285	4·4	275	4·0	275	3·4	285	4·2	290	4·7	295	5·0	300	4·9	310	5·0	310	5·4	320	5·2	320	5·0
23	—	0·7	—	0·5	—	0·9	—	1·4	—	1·1	—	1·0	300	1·6	320	3·8	300	4·1	300	4·2	290	4·1	290	4·0
24	250	2·6	240	2·1	—	1·4	255	1·6	255	1·6	260	2·1	270	2·4	275	1·8	275	2·2	270	3·3	265	4·4	275	4·3
25	—	1·3	—	1·1	360	1·9	—	1·1	—	1·0	10	1·7	—	1·0	45	3·0	60	2·7	75	3·1	80	3·1	90	2·7
26	85	2·6	75	2·0	70	3·4	45	3·4	55	3·5	70	3·9	70	3·8	70	3·1	35	3·3	45	3·3	35	3·3	35	2·8
27	—	1·5	—	1·1	—	1·5	140	1·6	—	1·3	115	2·2	105	2·5	105	3·0	125	3·5	130	3·0	120	2·7	125	2·5
28	—	0·7	—	0·1	—	1·0	—	0·6	—	0·6	—	1·0	—	1·5	20	3·0	360	2·8	360	3·6	5	2·5	350	2·7
29	—	0·3	—	0·0	—	0·1	—	0·0	—	0·1	—	0·1	—	0·0	—	0·3	—	1·3	155	2·5	145	3·2	170	2·9
30	—	0·9	—	0·4	—	0·2	—	0·0	—	0·0	—	0·1	75	1·6	115	1·7	165	1·9	125	3·5	150	3·7	135	3·5
31	45	3·2	40	3·0	45	2·6	30	2·6	40	2·5	50	3·7	50	3·5	60	3·4	75	3·2	90	4·6	80	6·0	85	7·5
Mean ...	—	2·6	—	2·4	—	2·4	—	**2·3**	—	2·5	—	2·8	—	2·9	—	3·5	—	3·8	—	4·2	—	4·6	—	4·8

514. Richmond (Kew Observatory) : H_a=5 metres+20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	•	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	80	2·5	70	2·8	80	3·9	70	3·6	60	3·6	50	2·0	15	2·3	20	2·1	360	1·6	335	1·9	330	2·2	310	2·6
2	—	0·0	—	0·0	—	1·2	—	1·0	—	0·0	—	0·0	—	0·1	—	1·1	5	1·6	20	2·0	5	1·6	—	1·5
3	—	1·5	—	0·5	—	0·8	280	1·6	—	0·6	—	1·1	315	2·3	320	2·9	330	3·2	305	3·2	315	4·0	315	4·0
4	255	1·8	250	1·9	250	1·6	—	1·5	—	1·0	—	1·4	—	0·9	—	1·1	295	2·1	300	2·6	315	2·4	325	2·8
5	245	2·6	235	2·4	225	2·0	235	2·5	240	2·6	250	2·5	285	3·4	265	3·2	275	3·9	270	3·7	255	4·7	250	4·9
6	285	7·6	310	7·3	310	4·5	310	4·6	320	5·1	325	4·5	310	4·1	315	4·4	320	2·5	305	3·3	315	3·7	305	4·4
7	235	2·9	225	2·5	225	3·3	225	3·0	220	3·2	235	2·8	230	2·9	225	3·7	235	3·1	225	3·4	235	2·3	200	2·5
8	280	1·9	280	2·0	280	2·7	300	1·8	290	2·0	280	2·1	280	2·5	275	2·5	260	2·9	315	2·8	280	2·9	250	4·1
9	250	1·6	—	1·5	—	1·4	—	1·1	230	2·0	245	2·4	270	3·2	295	2·9	295	3·0	280	4·2	305	3·6	315	3·7
10	5	2·3	10	2·0	—	1·5	10	2·1	—	1·5	25	1·6	50	3·7	65	4·2	60	3·8	105	3·7	100	2·5	110	1·9
11	65	4·1	85	5·0	65	5·0	45	4·0	35	4·2	45	4·4	50	5·6	60	5·7	50	6·1	50	6·5	65	7·3	70	7·4
12	40	3·8	10	2·6	15	2·6	10	2·6	15	3·4	10	3·4	15	3·6	30	4·1	55	4·6	40	3·4	30	3·8	45	3·6
13	—	0·0	—	0·2	—	0·9	—	0·2	—	0·2	—	1·1	—	0·5	10	1·9	20	2·8	45	3·0	20	2·1	20	2·1
14	—	0·1	—	0·1	—	0·0	—	0·3	—	0·1	—	0·3	—	0·1	—	0·0	—	0·1	10	2·5	15	3·2	30	3·7
15	40	5·0	35	4·8	30	4·3	40	5·0	45	5·7	45	5·9	45	6·2	45	6·3	65	7·1	80	6·5	90	7·3	85	7·4
16	95	3·9	95	4·2	90	2·2	90	3·0	110	2·6	130	2·4	135	2·0	—	1·5	155	1·8	145	2·5	160	3·5	185	4·4
17	220	1·9	225	2·1	230	2·5	—	1·5	210	2·7	200	4·5	190	4·9	195	6·0	190	5·0	195	4·4	210	5·5	220	6·3
18	225	3·6	230	3·7	220	3·1	215	3·7	215	4·1	220	5·0	240	6·0	245	6·5	240	6·9	235	6·2	225	6·8	255	5·6
19	255	7·8	270	7·3	270	7·7	275	7·0	270	6·5	275	6·0	280	6·9	265	6·9	275	6·9	270	6·5	270	6·4	270	6·8
20	250	3·7	250	3·3	255	3·6	245	3·2	240	3·6	255	3·7	270	6·0	280	5·7	285	5·1	280	5·4	275	5·0	285	4·7
21	225	5·1	220	5·5	220	4·7	220	4·1	215	6·7	215	7·7	220	7·1	220	8·3	225	7·5	235	7·4	250	5·4	265	4·7
22	230	1·9	235	2·0	230	2·5	240	2·4	240	2·0	260	3·1	285	4·4	295	4·5	300	4·3	290	4·8	290	4·5	280	4·9
23	220	4·9	230	5·7	225	6·4	225	5·3	225	4·3	240	4·5	260	4·8	280	6·0	275	7·1	275	7·6	280	7·5	270	7·1
24	225	4·2	225	5·1	225	6·3	225	6·4	225	6·9	220	7·8	215	9·2	220	10·2	235	8·0	240	5·7	245	6·4	260	7·5
25	355	2·4	360	1·6	—	0·5	—	1·0	—	0·2	—	0·4	—	1·1	260	2·0	235	2·9	250	4·0	245	5·0	245	4·8
26	280	5·9	275	4·3	265	4·6	260	4·4	275	6·5	275	5·5	265	6·9	270	7·0	280	7·1	300	5·9	300	4·7	310	4·2
27	230	2·1	225	3·1	225	3·2	225	2·9	220	2·8	230	3·1	235	2·6	245	3·4	270	3·8	280	4·1	275	4·0	275	4·3
28	230	2·0	230	2·1	230	2·0	230	2·6	230	2·0	245	2·1	240	2·5	235	2·9	225	2·9	255	3·5	295	2·0	235	4·3
29	195	2·9	195	2·9	190	2·8	160	2·7	140	2·9	150	3·0	190	3·8	215	7·0	235	6·0	225	6·0	225	5·9	210	5·7
30	100	3·2	—	1·5	65	2·6	65	4·1	85	4·6	105	3·2	65	3·3	75	2·2	60	2·6	95	4·5	130	5·1	150	6·1
Mean ...	—	3·1	—	3·0	—	3·0	—	**3·0**	—	3·1	—	3·3	—	3·8	—	4·2	—	4·2	—	4·4	—	4·4	—	4·6

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L.+h_a (height of anemograph above ground) = 5 metres + 20 metres.

May, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
90	6·2	85	6·4	85	6·5	80	7·1	90	6·9	95	7·0	90	6·1	80	6·5	80	6·5	75	5·8	75	5·4	85	6·3	4·0	1
165	6·3	165	5·9	180	6·2	190	6·2	190	5·9	195	5·5	195	4·2	190	3·3	190	3·0	190	3·4	185	3·0	190	3·6	4·5	2
180	6·3	185	6·1	175	5·3	175	5·4	175	4·9	175	3·4	—	1·0	—	1·0	—	1·5	—	0·1	—	0·0	—	1·3	3·6	3
200	5·0	225	3·9	260	2·6	350	2·0	360	2·5	355	2·8	360	2·1	15	3·0	15	3·9	10	3·1	10	2·9	10	2·5	3·2	4
15	3·9	15	4·3	10	5·1	10	5·5	10	5·8	15	5·9	20	5·0	20	5·0	15	4·9	25	4·6	30	3·4	35	2·5	3·7	5
60	4·3	50	4·2	90	5·6	90	6·3	90	7·2	80	6·5	70	5·3	80	4·2	80	4·7	70	4·6	65	5·9	75	5·6	4·6	6
65	8·4	75	8·8	70	8·9	60	8·2	55	8·6	50	7·1	45	7·1	45	6·1	45	5·8	40	4·7	40	4·9	45	4·1	5·8	7
80	7·2	80	7·1	85	7·3	85	7·4	75	7·4	75	5·6	85	5·3	80	3·6	55	3·3	60	2·7	40	2·4	30	1·9	5·5	8
85	6·2	105	6·1	105	5·8	100	5·4	105	5·0	100	5·5	100	5·7	90	5·2	85	5·0	80	3·2	50	4·5	40	4·8	4·0	9
25	6·1	30	6·4	30	6·4	20	6·3	30	6·5	20	6·3	20	6·4	25	6·4	30	6·9	30	5·5	35	5·8	25	4·2	5·8	10
35	4·1	35	3·0	30	3·0	30	3·2	35	3·1	10	3·0	25	3·1	105	3·0	115	1·9	—	1·5	—	1·0	—	1·4	3·6	11
320	4·7	320	4·1	320	4·2	335	4·0	15	4·8	20	3·8	30	3·8	25	3·5	15	4·0	35	4·9	30	4·7	35	4·2	3·3	12
20	3·4	360	2·6	360	3·2	360	2·6	360	2·5	—	1·4	—	0·9	—	1·0	125	2·2	155	2·2	185	2·1	—	1·5	2·5	13
225	5·1	225	4·8	235	5·0	220	5·5	210	6·2	210	6·9	210	6·0	210	5·1	215	5·6	210	4·7	215	5·0	215	4·7	4·5	14
230	5·0	220	6·1	215	7·1	220	4·9	225	2·5	210	6·1	215	5·8	210	5·5	210	4·5	210	5·1	210	4·5	210	4·0	4·6	15
225	7·8	225	8·1	230	7·0	220	6·9	215	7·2	220	6·9	210	6·4	205	5·2	205	4·6	215	4·9	205	3·6	210	3·7	**6·1**	16
355	3·5	340	2·8	5	2·9	15	2·4	—	1·5	—	1·5	90	2·0	130	2·5	105	1·9	95	2·9	110	2·2	105	2·0	2·6	17
120	2·1	125	2·6	110	3·5	85	5·4	85	5·5	95	5·1	90	4·3	95	2·3	—	1·2	—	1·4	—	0·0	—	0·2	2·2	18
20	3·0	10	3·0	340	3·5	335	3·6	335	3·0	340	2·4	5	2·4	70	3·6	100	5·0	110	2·5	—	1·1	—	1·4	2·0	19
230	4·2	220	5·4	225	5·9	220	6·1	220	5·8	220	5·9	220	4·8	240	3·5	235	1·9	250	4·5	250	4·3	245	3·5	3·5	20
285	5·2	280	4·5	270	5·0	280	7·0	280	6·1	290	5·1	280	3·5	270	3·5	280	2·5	300	2·9	290	4·1	280	3·9	4·5	21
350	6·5	360	6·6	5	4·2	5	5·5	5	6·5	10	5·8	5	3·8	—	1·5	—	1·0	—	0·2	—	0·4	—	0·5	4·1	22
280	4·2	295	3·9	290	4·4	290	4·6	290	4·2	280	3·5	265	2·8	270	2·5	265	2·9	275	3·0	255	2·1	250	2·5	2·8	23
295	3·7	310	3·6	315	3·1	325	2·9	310	2·5	—	1·5	345	2·0	—	1·3	—	0·5	20	1·9	—	1·5	—	1·4	2·3	24
90	4·5	70	6·5	75	6·8	65	5·3	70	5·0	70	5·1	85	4·9	75	5·2	90	4·1	95	3·1	90	3·0	70	2·5	3·3	25
20	2·6	360	2·5	30	2·0	10	2·4	5	2·2	15	3·1	135	4·0	155	3·0	155	2·8	165	2·2	185	2·0	—	1·0	2·9	26
105	2·6	85	1·6	60	2·4	45	3·6	45	4·8	55	3·0	—	0·8	—	0·1	—	0·9	—	0·1	—	0·2	—	0·5	2·0	27
5	2·3	350	2·2	360	2·1	—	1·3	15	2·0	—	0·7	—	0·1	—	0·3	—	0·1	—	0·6	—	0·4	—	0·6	1·4	28
155	3·0	170	2·5	160	2·4	165	2·0	170	1·7	160	3·5	175	2·6	—	1·1	—	0·3	—	0·7	—	0·0	—	0·1	**1·3**	29
120	3·2	105	4·2	105	5·3	90	6·4	90	6·5	100	6·6	95	6·1	85	5·1	100	5·5	85	4·2	55	3·4	45	3·0	3·1	30
85	5·6	80	3·8	85	3·8	80	4·4	75	4·1	75	4·0	80	4·0	100	4·8	90	4·9	70	4·2	80	4·0	90	2·5	4·0	31
—	4·7	—	4·6	—	4·7	—	**4·8**	—	4·8	—	4·5	—	3·9	—	3·5	—	3·3	—	3·1	—	2·8	—	2·6	3·6	—

June, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
300	2·6	340	2·0	350	1·8	—	1·0	355	1·9	—	1·0	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·8	1
85	2·5	105	1·7	—	1·5	105	3·6	110	2·4	115	2·1	135	2·9	130	1·9	—	1·0	305	3·2	340	2·3	—	1·5	**1·5**	2
320	3·3	315	3·9	295	3·7	295	3·7	280	4·2	295	5·3	290	5·4	300	3·0	290	2·5	255	2·0	255	1·9	250	1·9	2·8	3
305	3·4	250	4·1	280	4·5	270	2·6	255	3·0	305	3·5	295	4·6	290	2·5	285	2·8	285	3·0	270	2·6	255	2·0	2·5	4
250	5·4	235	7·8	230	7·1	235	7·2	230	6·5	225	5·7	205	5·0	190	3·4	195	2·9	225	4·2	260	4·4	270	5·8	4·2	5
325	4·3	320	2·0	310	2·9	350	1·9	—	0·6	265	3·0	280	2·4	260	3·5	255	2·8	245	2·5	250	2·7	250	2·6	3·7	6
—	1·5	—	0·9	235	1·6	245	2·5	240	2·5	235	2·9	220	4·1	220	3·8	240	1·9	250	2·1	245	2·1	270	2·3	2·7	7
250	3·8	270	3·1	245	4·0	245	4·2	255	4·3	270	2·9	270	3·0	275	2·3	—	1·5	260	2·3	260	1·6	—	1·5	2·7	8
300	3·7	320	3·5	340	3·3	345	2·8	—	1·5	—	1·1	—	1·0	—	0·9	—	1·1	—	0·5	—	1·3	30	2·1	2·2	9
135	4·0	150	4·8	130	4·5	110	3·5	95	4·1	80	4·5	80	5·6	85	6·2	90	6·8	80	6·4	80	6·1	80	5·5	3·8	10
75	7·5	80	7·5	85	7·3	65	6·4	70	6·5	75	7·6	60	6·5	55	6·4	55	6·0	50	5·0	50	5·2	50	4·5	5·9	11
45	4·0	50	3·9	45	3·5	40	3·0	30	4·3	95	4·4	100	3·8	100	2·6	105	2·2	—	0·8	—	0·9	—	0·1	3·2	12
20	2·6	30	2·9	35	2·5	—	1·5	—	1·5	90	2·1	185	3·6	190	3·1	190	2·1	190	2·3	195	2·6	—	0·9	1·8	13
40	4·1	45	5·0	80	5·4	70	4·4	40	6·0	25	6·7	35	6·5	35	6·0	40	6·5	40	5·6	35	5·9	55	5·4	3·2	14
85	8·0	90	8·0	85	8·9	85	8·5	105	6·7	100	7·0	100	6·5	100	7·0	100	6·5	100	5·3	90	4·2	90	3·7	6·4	15
180	5·8	190	6·3	195	6·2	205	6·5	190	5·8	195	5·2	190	3·9	195	3·0	210	2·7	190	1·9	210	2·0	205	2·5	3·6	16
215	6·1	205	7·0	220	7·5	220	9·0	250	5·5	245	4·6	240	3·8	240	4·0	240	3·5	245	3·5	240	3·0	235	4·0	4·5	17
245	4·9	230	5·9	220	8·2	220	8·3	215	8·0	210	7·9	195	5·0	175	5·3	175	6·9	180	7·1	195	7·1	225	7·4	5·9	18
265	7·1	260	7·1	260	7·9	265	8·0	270	7·9	270	7·1	265	6·4	265	5·0	260	5·0	250	3·5	245	3·4	250	3·7	**6·5**	19
280	5·0	280	4·5	270	4·9	285	5·2	275	4·0	240	4·5	230	4·8	225	4·9	220	4·5	215	4·6	215	4·6	230	4·5	4·5	20
270	4·8	255	5·2	250	4·5	230	5·4	250	4·1	270	5·8	265	6·0	265	5·0	260	4·4	265	4·1	265	3·6	260	2·9	5·5	21
280	4·3	280	4·5	280	5·0	265	4·7	270	4·5	265	4·4	260	3·9	250	2·8	255	2·5	240	2·1	220	3·0	220	3·5	3·6	22
270	7·5	265	7·9	265	7·1	270	7·6	270	6·9	260	6·8	260	5·9	255	4·8	250	3·6	245	3·6	250	4·0	230	4·0	5·9	23
275	8·2	270	9·0	275	7·5	275	7·1	270	6·2	275	5·1	270	3·7	280	3·6	340	2·9	—	1·1	—	1·4	355	3·7	6·0	24
250	5·8	260	5·8	260	5·8	250	5·7	240	7·0	230	6·0	230	7·2	240	7·0	235	6·5	240	6·0	245	4·9	250	5·3	4·1	25
320	5·0	330	4·6	320	6·0	325	5·5	325	2·1	—	1·4	215	2·0	245	1·9	235	2·4	270	2·9	260	2·5	245	2·5	4·5	26
250	3·2	—	1·3	10	1·6	295	2·4	300	1·9	270	2·5	260	2·2	265	1·6	235	2·0	235	2·0	230	2·0	220	2·2	2·7	27
235	3·8	280	3·7	270	3·6	205	4·0	205	3·9	210	4·3	210	5·0	210	3·7	205	3·0	220	3·6	215	3·0	200	3·1	3·1	28
195	5·6	190	4·5	185	4·9	190	6·4	175	4·9	175	5·7	185	4·2	195	3·9	185	3·1	—	1·5	105	1·9	105	3·1	4·2	29
175	5·7	185	5·4	195	4·6	190	3·6	200	3·5	195	3·3	190	3·2	190	1·6	—	0·2	—	0·0	—	0·0	—	0·0	3·1	30
—	4·8	—	4·8	—	**4·9**	—	4·9	—	4·4	—	4·5	—	4·3	—	3·7	—	3·3	—	3·1	—	3·0	—	3·1	3·9	—

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

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

515. Richmond (Kew Observatory) : H_a (height of vane of anemograph above M.S.L.)=Height of ground above Dines Anemograph from Jan., 1926.

Hour. G.M.T.	1.		2		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s	°	m/s.	°	m/s	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·3	30	1·6	—	1·4	350	2·1	360	3·4	5	3·9	360	4·2	20	6·4	85	6·0	130	6·5
2	25	6·5	20	5·9	10	5·4	5	3·6	360	3·3	360	4·0	355	3·9	355	3·7	345	4·1	340	3·6	330	3·6	315	3·8
3	225	1·9	245	2·8	245	2·6	245	2·4	240	2·9	245	3·7	250	4·2	245	4·3	230	5·4	240	5·1	220	5·9	215	6·1
4	200	3·9	195	4·4	195	4·1	190	4·0	200	5·4	205	6·0	200	6·2	205	7·0	205	7·1	205	7·3	205	7·1	210	8·5
5	—	0·0	—	0·7	—	0·1	—	1·0	—	1·5	105	3·6	115	4·7	155	6·4	180	7·4	190	7·1	210	7·1	220	9·5
6	—	1·5	175	2·4	175	2·9	175	2·0	170	3·0	185	3·5	180	4·0	175	4·1	175	4·0	190	4·2	195	4·5	180	5·6
7	335	1·7	325	1·9	285	2·1	270	2·6	265	1·8	250	2·0	240	2·2	230	2·1	215	3·1	215	2·6	180	3·5	185	3·0
8	—	0·3	—	0·0	—	0·0	—	1·3	30	2·0	—	1·3	35	2·0	45	3·1	65	3·7	80	3·8	75	3·8	85	4·6
9	10	4·2	5	4·9	15	5·0	360	4·9	350	4·5	360	5·0	360	5·4	355	4·8	350	5·5	360	4·6	5	5·5	360	5·4
10	5	3·5	355	1·8	355	2·1	355	2·7	360	2·6	5	2·9	5	2·3	—	1·5	340	2·0	350	2·1	15	4·2	10	4·0
11	—	1·0	35	2·5	30	2·3	—	1·1	45	1·6	—	0·2	—	0·6	—	1·5	—	0·5	—	0·8	—	1·2	25	2·8
12	—	1·0	—	1·1	65	3·0	70	3·7	70	3·6	65	3·0	15	3·4	20	3·6	45	3·3	45	3·0	45	3·0	35	3·2
13	95	2·1	90	3·0	95	3·5	85	2·5	85	1·6	80	3·1	85	2·4	95	2·9	100	2·9	90	3·0	85	2·4	70	2·0
14	—	1·0	60	1·7	40	2·0	20	2·0	30	2·5	15	2·1	5	2·5	10	2·4	10	2·7	25	2·3	15	2·9	10	2·5
15	—	1·1	—	1·3	—	0·5	—	0·4	5	1·8	5	2·5	10	3·0	10	3·5	15	3·4	20	3·9	30	3·5	20	3·6
16	30	3·3	15	3·0	15	3·0	10	3·5	10	4·2	30	3·7	25	3·2	10	2·9	30	3·3	20	3·9	20	4·0	10	3·1
17	—	1·0	—	0·4	—	0·1	—	0·5	—	0·9	—	1·5	340	2·5	350	2·1	350	2·4	355	3·6	350	3·0	350	3·4
18	—	1·5	330	2·0	—	1·1	—	0·5	—	0·5	—	0·6	350	1·9	5	2·5	355	2·9	5	3·3	15	3·0	10	2·6
19	55	2·9	80	1·6	—	1·0	—	1·4	55	2·4	50	2·6	70	2·0	—	1·1	—	1·1	—	1·5	90	3·0	80	3·3
20	90	2·9	80	1·6	75	2·4	70	3·0	75	2·5	80	2·6	85	2·4	95	1·9	80	2·0	100	2·1	120	2·6	125	3·1
21	—	1·5	—	1·5	210	2·0	200	1·6	195	2·4	180	2·8	160	4·0	165	4·7	175	4·6	200	5·0	220	5·7	220	6·8
22	235	3·5	220	3·9	220	4·0	220	3·7	220	3·5	235	3·2	240	3·9	245	3·6	240	4·3	240	4·5	275	4·4	265	5·9
23	240	3·5	230	3·5	240	2·9	245	2·5	240	3·2	245	3·8	265	4·4	270	4·9	270	5·4	270	4·6	270	4·8	270	4·5
24	240	2·4	220	2·1	215	2·5	215	2·0	220	2·7	215	2·8	225	3·5	240	4·1	240	5·1	245	5·6	240	5·9	240	6·1
25	230	2·0	—	1·2	—	1·5	225	2·4	—	0·6	240	1·6	250	2·0	225	3·3	240	3·2	240	4·4	240	4·2	230	5·2
26	210	4·0	210	3·4	200	3·6	190	2·6	185	2·5	180	3·0	170	3·5	170	3·3	190	4·1	190	5·3	190	5·0	195	5·5
27	170	2·9	155	2·1	175	3·9	170	4·2	175	5·8	175	4·2	175	5·1	185	6·3	195	6·5	190	4·7	190	6·5	190	7·6
28	225	4·5	230	4·5	225	4·7	230	5·0	230	5·0	230	4·6	235	4·5	240	6·0	240	5·9	240	6·0	240	5·5	240	5·8
29	205	2·1	215	1·9	210	1·6	195	1·6	—	1·0	—	1·1	200	2·1	195	3·1	185	3·4	200	2·9	195	3·5	200	4·0
30	180	2·3	190	2·0	195	1·6	210	3·5	215	3·7	190	2·5	180	3·6	185	3·7	180	4·5	195	6·1	190	5·9	195	5·7
31	—	1·1	—	1·2	—	1·5	—	1·0	190	2·0	195	2·5	200	3·1	205	4·0	215	6·0	210	5·7	205	5·7	210	5·7
Mean ...	—	2·3	—	**2·3**	—	2·4	—	2·4	—	2·7	—	2·8	—	3·3	—	3·6	—	4·0	—	4·2	—	4·4	—	4·8

516. Richmond (Kew Observatory) : H_a=5 metres+20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	•	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·5	215	2·3	215	2·6	—	0·4	—	0·2	—	0·3	—	0·5	—	0·6	—	1·0	—	0·1	—	0·9	—	0·7
2	225	2·7	235	2·5	250	2·5	230	2·1	215	1·8	—	1·5	230	2·4	250	3·0	240	2·6	250	2·0	270	2·4	270	2·2
3	—	0·5	—	1·0	—	1·2	—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·4	—	1·4	190	2·0	190	2·0
4	75	2·0	65	2·4	—	0·7	—	1·5	—	1·0	—	1·4	85	4·0	80	5·2	80	5·5	90	6·5	90	7·7	90	8·5
5	65	3·3	60	2·6	—	1·4	—	1·0	50	1·6	60	1·8	60	2·5	60	2·2	75	2·4	45	2·3	75	3·1	90	4·0
6	85	3·1	65	2·7	45	2·1	—	0·8	—	1·2	50	1·8	80	4·2	90	4·4	105	4·1	175	5·5	180	4·4	180	4·6
7	175	1·6	180	2·3	200	2·6	215	2·6	195	2·5	190	3·4	180	3·1	180	4·8	185	5·0	200	4·8	205	5·8	205	5·9
8	—	1·1	—	0·9	170	2·4	—	0·4	120	1·9	130	2·5	135	2·9	—	1·0	—	1·0	—	0·5	210	2·6	210	3·4
9	180	3·5	180	3·5	185	4·4	180	4·4	175	3·9	185	5·1	195	5·6	205	6·0	205	6·0	200	6·7	205	6·6	205	8·5
10	205	3·9	195	2·7	200	2·9	200	2·4	215	3·7	205	2·4	205	3·3	215	4·8	220	5·8	215	7·3	215	7·5	225	6·8
11	230	4·4	225	3·9	220	3·5	220	3·7	225	4·7	230	3·8	230	4·2	235	5·1	225	5·8	235	4·7	235	4·1	235	5·6
12	215	3·3	205	3·0	195	2·3	195	3·0	195	3·0	205	3·5	210	4·0	220	5·0	220	5·3	220	7·8	220	8·4	225	8·3
13	250	4·6	245	4·5	245	4·4	245	4·4	250	4·2	245	4·1	245	3·8	245	4·2	235	4·0	225	4·4	215	4·2	210	4·0
14	210	3·1	210	3·1	210	3·2	210	2·5	210	2·6	210	4·1	210	4·2	215	5·5	220	5·9	215	6·9	230	6·6	245	5·9
15	235	5·0	230	5·0	240	5·2	230	5·2	240	4·5	245	4·5	240	5·4	250	6·1	260	6·6	250	6·8	245	7·1	245	6·5
16	275	3·1	275	3·1	270	3·0	290	3·6	315	3·9	345	3·5	350	3·5	315	3·1	320	3·1	300	3·5	285	3·1	290	3·2
17	230	1·9	220	1·7	225	1·8	235	1·6	235	2·4	230	1·9	230	2·3	235	2·1	225	2·5	220	3·4	220	3·1	220	2·9
18	95	4·7	95	5·9	95	6·5	100	5·4	110	4·9	105	4·6	110	4·5	115	4·3	130	4·3	180	3·3	225	6·6	225	6·4
19	—	0·4	—	0·4	—	0·1	—	0·0	—	0·1	—	0·6	—	1·0	320	2·5	320	2·3	310	2·1	315	2·7	285	3·0
20	230	2·5	230	3·3	230	3·0	230	3·3	230	3·5	230	3·6	220	3·7	195	3·3	195	4·0	185	5·0	185	6·0	200	5·0
21	230	5·0	220	5·0	225	4·2	210	3·3	205	3·2	210	3·8	225	5·5	235	5·7	240	6·1	245	5·9	240	7·6	240	7·6
22	215	4·5	220	5·7	215	6·7	220	7·0	215	7·4	215	7·2	220	7·9	220	8·2	220	9·0	220	9·9	230	11·4	230	11·6
23	245	5·0	245	4·1	240	4·6	240	4·0	240	4·2	240	3·9	235	4·7	250	5·1	250	5·3	255	5·5	260	5·1	250	5·8
24	230	1·9	235	1·8	—	1·5	—	1·5	—	1·0	—	1·1	225	2·2	235	3·4	235	3·7	245	3·9	240	3·4	230	4·3
25	—	1·0	—	0·3	—	0·5	—	0·3	—	0·6	—	0·7	—	0·6	—	1·5	320	2·5	325	2·4	325	2·4	—	1·4
26	—	1·1	—	1·5	—	1·2	235	2·1	235	1·9	—	1·1	—	1·3	270	2·0	275	2·0	280	3·3	295	4·2	280	4·0
27	225	3·1	210	3·9	220	3·0	215	4·4	215	4·4	215	4·0	220	4·2	225	5·1	230	5·7	235	6·0	235	6·5	235	6·4
28	205	4·5	205	3·9	205	4·2	195	3·5	200	4·2	205	4·1	210	5·6	215	6·3	215	7·4	220	7·1	215	7·3	210	7·0
29	—	0·1	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·1	—	1·0	255	2·3	290	2·6	280	2·0
30	65	4·5	70	4·6	80	5·2	70	5·0	65	5·0	70	5·5	80	5·6	80	7·3	85	6·4	85	5·0	70	4·5	85	5·1
31	80	7·7	80	7·8	75	6·5	70	5·5	60	4·6	60	4·5	55	4·0	45	3·1	55	3·1	70	4·5	90	5·4	90	5·0
Mean ...	—	3·1	—	3·1	—	3·0	—	**2·8**	—	2·8	—	2·9	—	3·4	—	3·9	—	4·2	—	4·5	—	5·0	—	5·1

Hour. G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

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

M.S.L.+h_a (height of anemograph above ground) =5 metres+20 metres. **July, 1927.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
105	6·2	115	6·6	105	7·0	85	7·5	75	8·7	60	8·4	55	6·6	50	7·1	40	7·4	25	7·0	30	7·7	30	7·1	5·0	1
320	3·5	320	3·5	325	2·6	—	1·1	290	2·0	270	2·4	—	1·5	—	1·4	—	1·0	—	1·5	—	1·4	—	1·4	3·2	2
210	6·6	215	6·9	210	6·7	215	7·2	215	6·2	210	5·1	210	5·5	195	3·8	190	4·1	185	3·9	185	3·8	185	3·2	4·6	3
220	9·4	210	8·0	200	6·6	190	6·4	200	5·0	210	4·0	200	2·5	—	0·5	—	0·4	—	0·2	—	0·0	—	0·0	4·8	4
210	9·0	215	9·2	220	8·4	220	7·1	225	7·9	225	5·6	205	5·0	215	5·3	200	3·3	190	2·0	200	2·1	195	2·0	4·8	5
170	5·5	180	4·2	165	3·8	175	3·0	170	3·2	185	2·9	205	2·5	200	2·1	—	0·1	—	0·4	—	0·2	—	1·0	3·0	6
195	5·0	200	5·6	190	5·7	190	6·0	195	5·5	185	4·0	180	3·6	170	3·2	170	1·6	—	0·2	—	0·1	—	1·0	2·9	7
95	5·5	110	5·7	100	6·5	90	6·8	85	7·5	80	7·6	55	6·1	40	6·2	40	5·5	25	4·2	15	4·6	15	4·3	3·9	8
355	5·0	355	5·1	360	6·5	10	6·4	5	6·2	5	5·6	360	4·8	355	5·0	355	5·1	360	4·1	360	4·2	360	2·9	5·1	9
15	3·6	10	3·6	15	3·5	30	4·3	30	3·7	20	3·4	20	2·4	—	1·5	—	0·2	260	1·7	290	1·6	—	1·4	2·6	10
10	3·5	270	4·8	—	1·0	345	3·6	—	1·5	—	0·0	—	0·0	—	0·5	45	1·9	40	2·2	75	1·6	—	1·3	**4·6**	11
20	3·4	15	3·6	15	2·5	15	1·9	25	3·2	40	2·2	35	1·9	—	1·1	—	1·0	35	1·8	85	3·2	90	3·9	2·6	12
—	1·3	—	0·6	—	0·5	115	1·6	105	1·6	105	1·8	85	3·0	100	1·8	—	1·4	—	1·4	—	1·5	—	1·5	2·1	13
10	1·9	10	2·2	—	1·4	10	3·2	20	3·1	15	2·5	—	1·1	10	2·5	—	1·5	—	0·9	—	0·9	—	1·2	2·0	14
10	4·0	5	4·5	10	3·7	5	4·0	5	4·2	360	4·7	360	4·0	10	2·6	10	2·0	15	1·9	15	2·3	20	3·2	2·9	15
10	2·9	10	2·4	5	2·5	10	3·0	5	3·1	15	4·3	20	2·5	10	2·2	35	2·9	25	2·2	10	2·1	—	1·4	3·1	16
345	2·6	350	3·3	355	3·7	350	3·5	360	3·5	360	2·9	5	2·5	—	1·2	—	0·4	—	0·3	—	0·4	—	0·5	1·9	17
15	2·4	20	2·6	25	2·5	25	2·7	50	2·7	70	3·0	120	2·8	100	2·9	120	2·1	90	2·4	40	2·4	45	1·6	2·2	18
80	3·9	95	3·8	80	3·7	100	2·9	100	4·1	90	5·6	80	5·9	80	5·3	95	4·0	100	3·6	95	2·6	85	2·3	3·0	19
130	2·1	—	1·0	—	0·9	—	1·0	180	2·1	185	1·6	—	1·4	—	0·6	200	2·1	205	2·7	210	2·1	210	2·1	2·0	20
225	6·9	225	7·0	240	6·0	250	5·1	250	4·9	255	3·9	235	4·0	225	5·2	220	4·5	220	2·5	220	3·7	215	3·7	4·1	21
260	6·9	260	7·1	260	7·0	265	6·0	265	7·0	255	5·7	250	4·6	255	4·4	255	4·7	250	4·4	240	3·6	245	3·9	4·7	22
270	4·3	265	5·0	275	5·3	290	5·0	280	4·8	275	3·8	255	2·6	265	3·0	255	2·7	270	2·7	270	3·2	250	2·6	3·9	23
235	6·0	230	6·2	225	7·0	225	6·6	225	6·3	230	5·0	225	5·5	230	4·8	225	4·7	225	3·2	230	2·2	230	2·4	4·4	24
230	6·0	230	6·7	225	6·8	230	7·0	220	6·9	220	6·4	215	5·2	215	5·1	205	3·9	210	4·6	210	4·1	205	3·5	4·1	25
205	5·6	210	7·3	205	6·5	200	5·9	215	6·9	205	5·9	190	4·0	195	3·1	195	3·1	—	1·0	160	1·6	165	2·4	4·1	26
200	7·7	210	8·7	220	9·9	210	7·2	210	8·4	215	7·7	210	7·0	210	6·9	210	6·3	220	6·5	215	4·5	220	4·6	**6·0**	27
225	6·9	225	6·4	260	4·9	255	3·0	255	3·2	240	3·5	225	4·8	210	3·8	205	2·9	215	2·9	205	2·1	205	1·9	4·6	28
195	3·9	190	3·5	200	4·5	200	4·7	210	5·0	205	4·7	195	4·0	190	3·5	200	3·3	220	4·9	200	2·9	190	2·4	3·1	29
190	4·8	200	6·8	200	6·1	210	6·2	210	6·0	220	6·7	220	5·7	210	3·5	200	2·0	225	2·0	—	1·5	—	1·0	4·1	30
215	6·8	205	6·5	215	6·3	215	6·0	200	5·5	210	5·6	210	4·6	210	4·0	205	3·5	210	2·9	220	3·5	215	3·6	4·0	31
—	4·9	—	**5·1**	—	4·8	—	4·7	—	4·8	—	4·4	—	3·8	—	3·4	—	2·9	—	2·7	—	2·5	—	2·4	3·6	—

August, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·2	—	1·4	360	2·2	—	1·5	—	1·1	330	2·0	335	1·6	—	1·0	—	1·5	250	2·3	205	2·0	235	2·5	**1·3**	1
285	2·5	290	3·1	290	3·0	285	2·2	285	2·5	300	2·0	—	1·4	235	2·5	235	2·3	230	1·8	—	0·5	—	0·3	2·2	2
175	2·4	190	2·2	180	2·5	180	2·5	170	2·6	155	3·0	120	3·1	105	2·9	90	2·1	90	2·4	90	1·6	—	1·1	1·5	3
100	8·6	100	8·4	110	7·3	85	6·5	100	6·5	110	6·7	90	5·0	90	5·0	75	4·6	75	4·5	75	3·9	70	3·9	4·8	4
80	3·8	90	3·1	120	2·6	105	3·1	100	2·4	80	1·6	80	1·8	85	3·0	95	3·9	80	3·0	85	2·5	85	3·0	2·6	5
185	4·5	190	4·7	190	5·0	185	4·9	205	4·4	200	2·9	195	2·8	185	3·0	180	3·1	180	1·9	—	1·4	—	1·4	3·3	6
195	6·2	195	6·5	190	5·5	190	6·8	190	5·6	185	5·6	180	3·5	160	2·6	155	2·6	—	1·5	—	1·1	150	2·9	3·9	7
210	4·0	220	5·0	220	7·1	235	6·9	230	6·1	225	4·5	210	3·7	180	2·4	175	2·0	170	3·1	180	3·5	170	2·5	3·0	8
210	8·7	215	8·0	210	7·9	225	8·0	220	8·1	220	7·5	220	6·5	215	5·6	215	5·0	215	4·7	215	4·4	210	3·0	5·9	9
225	7·9	225	9·0	230	7·8	225	7·4	225	7·5	225	7·2	230	6·0	215	4·9	215	4·5	225	4·6	235	3·5	230	3·7	5·3	10
230	7·0	230	6·7	220	6·3	225	6·0	235	5·8	230	6·1	235	5·0	220	3·4	210	3·3	215	3·7	215	2·9	215	3·2	4·7	11
225	9·5	230	9·6	225	8·8	235	7·5	230	7·3	230	7·0	235	5·1	235	4·4	235	5·3	235	5·0	240	4·5	235	5·0	5·6	12
215	5·5	190	3·3	185	4·0	180	3·6	175	3·4	195	2·6	205	3·6	210	3·0	210	3·5	205	2·0	205	3·1	215	3·7	3·9	13
250	5·3	240	5·8	250	6·4	245	5·1	240	4·7	255	5·0	250	5·0	250	4·4	245	4·5	250	4·7	240	4·6	240	5·3	4·7	14
240	6·6	240	6·1	250	6·5	250	5·4	245	6·0	245	6·1	250	5·4	245	5·0	250	5·5	250	4·9	255	3·5	270	3·4	5·5	15
295	2·4	270	2·5	270	2·9	300	2·6	315	2·8	310	2·0	—	1·3	—	1·1	250	1·6	240	2·1	245	2·5	240	2·1	2·8	15
210	2·5	200	3·0	205	3·2	185	4·0	185	3·7	165	3·5	140	1·9	125	2·1	125	3·7	110	3·5	100	5·1	110	4·6	2·8	17
230	7·5	230	7·0	225	7·3	225	7·1	230	5·4	215	4·5	200	2·4	—	1·3	—	0·0	—	0·0	—	0·0	—	0·1	4·4	18
290	3·4	285	4·5	290	5·2	300	4·4	290	3·9	280	3·2	260	2·5	245	1·8	250	2·9	265	3·5	255	2·5	245	1·9	2·3	19
220	6·9	225	7·3	230	7·4	230	7·6	230	7·5	225	6·7	220	5·7	225	5·1	230	5·1	230	5·2	235	4·4	240	3·5	4·9	20
230	8·4	215	6·9	220	8·1	225	8·4	230	10·0	225	8·5	220	7·0	215	6·4	210	5·5	220	6·4	220	5·2	220	6·2	6·2	21
230	12·0	230	12·3	230	11·3	230	10·9	240	10·0	235	8·5	235	8·9	230	8·1	235	7·6	235	6·8	235	6·9	240	5·4	**8·6**	22
250	4·9	250	4·3	260	5·6	235	5·5	220	6·1	235	5·0	230	4·0	220	3·6	240	3·0	245	2·8	245	2·5	230	2·5	4·5	23
240	4·0	200	3·0	360	2·4	—	0·4	—	0·9	230	2·1	—	0·4	—	0·7	235	2·0	230	2·5	—	1·5	—	1·0	2·1	24
350	4·0	355	3·7	360	3·6	30	3·5	—	0·1	—	1·0	—	1·1	—	0·3	—	0·8	—	1·4	—	1·0	—	0·7	1·5	25
285	4·0	255	3·2	240	2·9	240	2·4	220	2·0	215	2·9	230	2·8	240	3·1	250	3·9	235	3·0	225	3·2	215	3·6	2·5	26
235	6·5	220	6·7	215	7·8	220	7·5	215	7·0	215	7·6	210	5·9	210	6·0	210	4·5	210	5·0	205	4·5	200	4·0	5·4	27
210	6·9	205	6·1	200	6·7	210	5·4	205	4·6	195	4·1	195	2·6	185	3·0	190	1·9	185	2·0	190	1·8	—	0·1	4·7	28
235	2·0	260	2·4	280	2·0	350	1·6	360	3·0	5	2·4	10	1·9	20	1·6	—	1·5	30	2·0	60	3·9	75	4·9	1·5	29
90	5·2	70	5·3	65	4·8	80	5·0	70	5·8	65	5·6	75	6·3	70	5·9	60	4·3	55	4·1	60	4·5	75	6·3	5·3	30
90	4·0	95	3·6	105	3·5	115	3·0	110	3·0	105	3·1	90	3·7	120	3·0	—	1·5	—	0·1	240	2·7	235	3·5	4·1	31
—	**5·4**	—	5·3	—	5·4	—	5·1	—	4·8	—	4·5	—	3·8	—	3·4	—	3·3	—	3·2	—	3·1	—	3·1	3·9	—

13.	14.	15.	16	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

517. Richmond (Kew Observatory): H_a (height of vane of anemograph above M.S.L.)=Height of ground above

Dines Anemograph from Jan., 1926.

Hour G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	2·5	—	0·9	—	0·5	—	0·0	—	0·1	—	0·4	—	1·0	210	2·0	220	3·3	225	3·5	230	3·0	230	3·5
2	—	1·0	—	1·0	—	0·5	—	0·5	—	0·5	—	0·1	—	0·0	—	0·6	—	1·0	—	1·5	—	0·9	—	0·9
3	—	1·0	—	0·0	—	0·0	—	0·0	50	1·6	65	3·6	50	3·5	50	3·2	45	3·8	55	3·9	45	4·7	45	4·5
4	30	4·3	20	3·1	15	4·1	20	3·6	10	3·5	10	4·1	10	3·9	10	3·6	10	4·4	10	3·5	15	4·0	15	4·5
5	—	0·6	—	0·4	—	0·5	—	0·3	—	0·3	—	0·3	—	0·2	—	0·9	—	0·9	—	0·6	—	0·3	—	1·0
6	—	1·0	—	0·7	—	0·5	—	0·5	—	0·1	—	0·1	—	1·1	—	1·1	145	2·1	125	2·5	125	2·9	125	2·0
7	240	4·2	230	4·8	235	3·1	235	2·9	225	3·7	235	4·2	245	3·8	255	3·9	275	4·3	290	4·4	285	3·9	270	4·9
8	—	1·0	235	1·6	—	1·4	—	0·9	—	1·0	—	0·9	—	1·1	200	1·9	220	4·4	220	5·1	210	5·1	215	6·0
9	235	5·5	240	5·0	260	5·5	255	5·0	260	3·5	255	3·5	255	3·9	265	4·9	270	4·8	265	6·0	260	5·9	260	6·6
10	—	1·5	—	0·8	—	0·5	—	1·3	—	0·5	—	0·9	35	2·1	45	3·8	30	3·5	15	3·2	5	3·1	20	3·4
11	—	0·9	—	0·8	—	0·5	—	0·6	—	0·7	355	1·6	—	1·3	350	2·5	360	4·1	345	3·8	340	4·3	340	3·4
12	285	2·1	285	2·0	285	2·3	295	2·1	290	2·2	305	1·8	295	1·8	305	2·6	330	2·8	340	3·5	340	3·7	340	3·9
13	—	0·8	260	2·3	260	2·5	250	2·0	240	2·2	—	0·9	240	2·1	245	2·5	250	3·4	250	4·0	250	4·4	240	4·3
14	265	3·5	260	3·0	240	2·2	235	2·9	225	2·5	220	1·9	225	2·3	240	2·0	265	1·7	240	2·3	235	2·1	235	2·6
15	85	7·9	95	6·1	95	4·5	105	4·0	100	4·5	100	6·4	100	6·5	95	6·5	95	6·4	105	4·9	110	5·4	140	4·5
16	—	1·3	25	1·6	30	2·1	30	1·7	—	1·1	—	1·2	—	1·1	—	0·8	355	1·7	5	3·2	15	2·7	15	2·0
17	230	3·2	235	3·1	230	3·9	225	4·4	215	4·1	210	3·9	210	3·8	265	3·0	310	3·0	340	4·1	335	5·0	340	4·2
18	220	1·7	225	2·7	225	3·8	235	3·4	245	3·9	240	3·8	245	4·2	250	4·4	245	4·7	250	5·2	260	4·5	270	4·4
19	—	1·0	—	0·9	—	1·4	215	2·7	225	4·1	230	4·7	240	5·2	250	6·0	265	6·3	255	7·4	260	7·1	270	7·3
20	245	4·8	240	4·6	240	4·0	245	4·0	245	3·5	240	3·5	240	3·0	230	2·5	230	3·7	235	4·0	235	4·0	240	4·0
21	225	6·3	230	6·5	220	7·2	225	6·5	225	7·0	225	6·7	220	6·8	225	6·2	225	7·2	225	7·5	225	8·2	225	8·3
22	220	4·4	215	3·6	220	3·0	230	1·6	220	2·9	210	6·5	205	6·8	205	7·4	210	8·0	220	8·2	230	7·8	240	5·1
23	250	6·6	250	6·0	250	5·9	245	5·6	250	5·3	245	5·0	240	4·9	240	5·1	250	5·8	250	4·8	240	4·6	215	4·0
24	280	4·5	270	5·0	265	4·9	255	4·5	250	4·0	245	3·8	245	3·9	250	4·3	255	5·9	255	6·9	260	6·0	265	6·5
25	235	2·4	240	2·4	240	2·4	235	2·1	235	1·9	220	2·1	220	2·4	230	3·0	230	3·6	225	4·6	245	4·7	245	4·5
26	245	2·5	230	3·0	235	2·6	240	2·8	245	2·5	245	2·9	240	2·7	250	3·5	250	4·0	260	5·0	270	5·3	265	5·6
27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·4	—	0·3	—	0·1	—	1·4	—	1·5	—	1·4	340	1·9
28	—	0·0	—	0·0	—	0·0	—	0·6	—	0·1	—	0·0	—	0·0	—	0·4	—	0·3	—	0·3	210	3·6	210	5·2
29	190	4·0	195	3·9	200	3·3	205	5·1	205	6·0	200	6·7	195	6·0	195	7·1	190	7·3	200	7·1	205	7·7	200	8·3
30	—	1·2	—	0·4	—	0·9	245	1·7	245	2·0	230	2·1	230	2·6	225	2·3	230	3·0	250	4·0	260	4·5	245	4·9
Mean ...	—	2·7	—	2·5	—	2·5	—	**2·4**	—	2·5	—	2·8	—	2·9	—	3·3	—	3·9	—	4·2	—	4·4	—	4·4

518. Richmond (Kew Observatory): H_a=5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	4·8	225	4·6	225	4·7	220	4·1	220	4·1	225	4·7	220	5·1	220	6·4	220	6·0	210	6·9	210	8·7	205	8·9
2	235	3·1	220	5·1	225	5·2	230	5·0	225	5·5	225	5·7	220	5·5	230	7·0	230	7·1	230	8·9	230	8·9	235	9·2
3	260	2·6	—	1·5	—	1·0	245	1·9	—	1·5	—	1·5	—	1·1	—	1·5	350	2·5	25	3·0	30	2·0	—	1·4
4	—	0·0	—	0·1	—	0·1	—	0·1	—	0·2	—	0·3	—	0·1	—	0·0	—	0·2	—	0·0	—	0·3	—	0·3
5	—	0·1	—	0·2	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	0·1	—	0·3	—	0·2	—	0·1
6	—	0·0	—	0·1	—	0·2	—	0·2	—	0·2	—	0·4	—	1·0	—	1·0	—	1·0	—	1·0	—	0·9	—	0·9
7	—	0·0	—	0·0	—	0·0	—	0·5	—	0·4	—	0·3	—	0·1	—	0·0	—	0·2	—	0·3	—	0·6	—	0·5
8	—	0·0	—	0·1	—	1·1	—	1·2	—	1·5	—	1·5	—	0·9	—	0·4	—	1·3	40	3·0	20	3 1	15	2·6
9	60	3·0	30	2·5	20	1·6	15	1·6	—	1·1	20	2·2	50	2·6	60	2·0	80	3·9	85	5·3	80	5·5	70	6·1
10	—	1·0	—	0·1	—	0·0	—	0·0	—	0·1	—	0·1	—	0·6	—	1·1	—	0·9	—	0·3	—	0·1	—	0·1
11	—	0·0	—	0·1	—	1·1	—	1·3	10	2·1	45	2·6	40	2·8	10	3·5	15	3·3	35	3·2	25	3·5	20	4·4
12	40	4·1	40	4·0	35	3·4	35	4·7	10	2·9	360	2·9	10	2·9	10	2·6	20	2·5	25	3·6	25	3·1	25	3·0
13	360	2·0	—	1·1	—	0·2	—	0·1	—	0·1	—	1·0	350	1·6	350	2·2	—	0·9	340	2·0	340	1·7	—	1·0
14	—	0·0	—	0·2	—	0·2	—	0·1	—	0·1	—	0·1	—	0·2	10	2·0	25	3·5	20	4·7	25	4·5	40	2·9
15	10	2·8	10	3·4	10	2·9	10	2·1	10	2·3	10	2·0	15	2·8	10	2·4	15	3·0	30	3·2	25	2·6	20	2·9
16	—	0·9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·7	285	1·9	295	2·5	285	2·1
17	250	3·0	250	3·7	245	2·5	250	3·1	255	3·8	250	3·1	255	3·5	260	4·2	275	4·3	285	5·5	290	6·6	290	5·5
18	245	2·6	240	2·5	245	2·7	240	3·0	245	2·5	260	1·6	235	1·8	240	2·4	270	3·1	280	2·7	290	2·8	270	3·3
19	—	1·4	210	2·1	230	2·4	230	2·8	220	2·8	220	2·4	225	3·0	225	4·6	235	4·0	240	4·1	240	5·0	250	5·7
20	260	1·6	240	2·1	—	1·5	—	0·9	—	0·9	—	0·9	—	1·5	—	1·5	—	1·0	—	1·1	330	1·6	—	1·5
21	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·1	—	0·5	65	2·4	50	1·9	90	2·9	100	3·0	90	3·4
22	145	3·5	165	3·6	190	4·3	175	4·8	165	3·5	150	4·0	135	4·6	130	5·0	120	4·9	130	5·8	120	6·1	120	6·3
23	220	2·9	215	3·5	220	3·5	225	2·9	230	3·0	245	2·8	270	3·5	315	4·4	320	5·1	330	5·0	330	5·6	325	5·1
24	—	0·9	—	1·3	—	0·4	—	0·5	—	0·5	—	0·1	—	0·1	—	0·0	—	0·0	—	0·5	—	0·5	205	2·0
25	210	5·0	210	4·6	220	5·6	220	6·0	225	5·2	225	6·3	220	6·0	225	5·7	230	6·7	230	7·0	230	7·8	230	8·0
26	230	10·4	225	10·0	225	9·1	230	8·6	225	7·9	220	8·6	220	8·7	225	9·1	225	9·3	220	9·9	225	9·4	225	9·4
27	225	8·7	225	9·1	220	9·2	225	9·5	225	10·9	230	11·5	230	9·0	230	11·4	235	11·3	230	10·3	235	9·3	230	8·4
28	—	1·0	—	1·3	—	1·0	—	0·5	185	2·1	200	4·0	200	5·5	205	6·8	215	8·6	210	7·2	210	7·1	210	6·6
29	240	11·2	245	10·5	250	9·8	245	8·7	240	7·1	240	6·5	240	6·1	240	5·6	235	5·6	245	6·4	250	6·1	250	5·6
30	175	3·3	180	3·3	175	3·3	180	4·2	185	4·4	180	4·1	200	4·0	195	3·4	185	5·0	190	4·1	195	4·6	190	5·1
31	195	4·0	200	3·1	195	3·1	195	3·5	210	3·0	200	2·3	190	1·9	190	1·9	195	2·4	205	3·0	275	3·2	265	2·5
Mean ...	—	2·7	—	2·7	—	2·6	—	2·6	—	**2·6**	—	2·7	—	2·8	—	3·3	—	3·6	—	4·0	—	4·1	—	4 0

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	12.	Noon.

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

M.S.L.+h_a (height of anemograph above ground) =5 metres+20 metres.

September, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
225	3·7	225	3·0	225	3·0	230	2·8	—	1·5	—	1·0	205	1·8	220	2·6	235	2·5	235	2·5	235	2·4	—	1·1	2·1	1
—	0·9	305	1·6	320	1·7	335	2·1	340	1·6	—	1·1	—	0·8	—	1·5	60	3·4	75	3·1	80	2·1	—	1·5	1·2	2
50	4·8	40	5·1	40	5·0	40	4·6	50	4·5	55	4·1	60	5·6	70	5·4	60	5·5	55	6·0	55	5·0	45	4·4	3·6	3
20	4·7	25	4·1	15	3·7	10	3·5	360	3·1	5	3·0	360	2·0	—	1·1	—	0·6	—	0·6	—	0·1	—	0·4	3·1	4
230	1·9	—	1·5	—	1·4	—	1·4	—	1·3	—	0·9	—	0·1	—	0·6	—	0·9	—	1·4	—	0·5	—	0·6	**0·8**	5
110	2·6	70	2·0	80	2·9	85	5·3	90	4·6	120	3·2	185	4·0	180	2·6	145	2·0	—	1·5	—	0·9	250	4·0	2 0	6
275	5·0	275	4·7	265	4·5	270	4·1	275	3·4	270	2·4	265	1·6	270	1·7	270	2·0	—	1·3	—	1·4	—	1·4	3·5	7
210	6·0	205	6·1	210	6·2	205	5·6	210	5·5	210	5·8	210	5·5	210	5·6	215	5·0	215	5·4	225	5·6	230	5·9	4·0	8
265	7·2	265	6·1	260	5·5	260	4·4	255	3·4	250	3·6	255	2·9	265	2·6	250	2·5	245	2·5	250	1·6	240	1·6	4·4	9
25	2·4	355	1·6	—	0·9	280	2·0	245	1·9	260	3·5	290	2·3	265	1·7	235	1·6	230	1·9	230	2·4	235	1·8	2·0	10
335	4·0	330	4·4	340	4·2	330	3·9	335	3·4	340	2·4	330	1·7	—	0·6	—	1·3	290	1·9	—	1·5	295	1·6	2·3	11
325	3·2	325	2·8	320	3·2	320	2·8	320	1·6	—	0·1	—	0·2	—	0·9	230	1·8	—	1·2	—	1·1	—	0·8	2·1	12
235	5·0	220	4·9	205	3·9	200	4·1	210	4·7	210	4·6	210	4·4	240	3·4	240	3·1	240	3·0	245	2·8	260	3·1	3·2	93
245	2·0	—	1·5	—	0·5	140	2·1	125	1·8	125	2·6	100	3·0	90	4·9	80	5·3	80	6·0	80	6·0	80	6·3	2·9	14
145	3·6	145	4·7	125	3·7	110	3·6	105	3·2	115	2·7	—	1·4	—	0·6	—	0·4	—	1·4	—	1·5	—	1·2	4·1	15
—	1·2	330	1·9	340	2·1	—	1·4	—	0·9	—	0·3	—	1·5	240	1·6	240	2·0	265	2·1	240	1·7	220	2·8	1·6	16
330	4·0	320	4·0	320	3·4	315	3·0	285	2·0	280	1·9	—	0·5	—	0·6	—	0·5	—	1·3	230	1·6	—	1·2	2·9	17
270	3·6	290	3·4	270	3·8	265	3·2	265	2·6	250	1·9	—	0·9	225	1·8	225	1·6	—	1·4	—	1·2	—	0·7	3·0	18
265	6·5	260	7·1	260	6·4	255	5·9	255	6·0	255	6·0	250	5·5	250	3·7	245	4·0	250	5·3	250	4·5	250	4·6	4·9	19
230	4·5	220	4·8	225	5·1	220	5·3	220	5·0	225	5·3	215	5·4	220	5·1	220	6·0	220	6·6	225	6·5	225	6·8	4·6	20
225	8·4	225	8·4	225	7·9	225	8·4	225	8·4	225	8·5	225	7·8	225	8·3	220	7·1	220	6·2	220	5·5	220	5·4	**7·8**	21
270	4·0	270	4·2	255	3·9	240	4·5	240	4·7	230	5·9	250	4·9	230	5·6	230	6·6	225	7·3	225	8·4	235	7·8	5·5	22
185	3·0	135	3·0	85	5·2	95	7·0	165	5·9	195	4·0	180	3·6	165	2·9	200	3·9	275	3·0	340	5·7	315	4·7	4·9	23
255	7·2	250	7·1	245	7·0	255	6·0	255	4·8	260	3·9	250	3·4	230	3·4	240	3·5	240	3·2	240	2·5	230	2·6	4·8	24
240	6·3	240	5·4	235	4·4	235	3·3	220	4·0	—	0·9	235	1·6	270	1·8	270	1·8	255	2·3	250	2·4	240	2·6	3·0	25
245	6·1	240	6·5	265	4·6	245	5·1	240	3·0	235	2·5	225	2·4	220	1·6	—	0·6	—	0·4	—	0·4	—	0·0	3·2	26
340	2·9	345	3·2	5	2·8	360	2·6	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·8	27
215	5·1	225	4·6	230	5·5	235	5·1	220	5·1	210	3·8	210	4·0	205	3·3	205	3·6	200	2·7	200	2·5	200	3·8	2·4	28
200	8·4	195	7·9	230	5·5	280	2·6	—	1·5	255	1·6	245	1·8	240	2·3	245	2·4	255	2·0	245	2·1	250	1·9	4·7	29
250	4·4	255	4·3	260	4·4	260	2·8	220	2·1	225	3·9	225	4·6	225	5·2	225	5·0	220	4·5	230	4·5	230	4·4	3·3	30
—	**4·4**	—	4·3	—	4·1	—	3·9	—	3·4	—	3·0	—	2·8	—	2·8	—	2·9	—	2·9	—	2·8	—	2·8	3·3	—

October, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
210	8·9	210	9·0	210	8·9	210	8·5	210	8·3	210	7·0	215	6·3	210	5·3	220	5·0	220	4·8	220	4·3	235	3·6	6·2	1
230	11·2	220	10·6	230	9·5	235	8·1	250	7·3	280	6·0	290	4·6	285	3·3	280	2·7	275	2·1	270	1·7	260	2·5	6·1	2
—	0·9	—	0·9	—	0·8	—	0·9	—	0·2	—	0·0	—	0·0	—	0·0	—	0·5	—	0·0	—	0·0	—	0·0	1·1	3
—	0·3	—	0·7	—	0·3	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·1	4
—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	**0·1**	5
—	1·0	—	1·0	305	1·6	—	1·5	—	0·5	—	0·4	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·5	6
—	0·7	—	1·1	—	0·1	—	0·5	—	0·1	—	1·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	0·3	7
20	2·5	35	2·5	40	3·3	40	3·2	40	2·6	60	5·3	60	3·8	50	3·1	65	5·0	75	5·1	65	3·9	75	4·1	2·5	8
75	6·1	75	6·5	90	5·6	65	5·2	60	4·4	60	4·8	50	4·5	60	3·2	50	2·3	40	2·2	45	3·0	65	2·7	3·7	9
—	1·5	70	3·1	75	2·6	75	2·5	85	2·1	85	2·0	80	1·8	—	0·2	—	0·0	—	0·5	—	0·6	—	0·1	0·9	10
20	3·9	15	4·0	15	3·5	15	2·6	10	2·0	15	2·1	15	3·4	25	3·3	40	4·0	50	6·0	40	4·6	35	4·0	2·9	11
20	3·4	15	3·6	10	3·5	10	3·1	10	2·5	10	2·5	5	2·0	—	1·4	—	1·2	360	2·0	360	1·9	360	2·0	2·9	12
—	1·2	—	1·0	—	1·0	—	0·1	—	0·0	—	0·0	—	1·0	—	0·2	—	0·1	—	0·1	—	0·5	—	0·0	0·8	13
30	3·1	10	3·6	10	3·6	10	3·6	5	3·3	10	3·4	15	3·9	20	4·1	20	3·8	20	3·5	20	2·6	25	2·5	2·4	14
15	2·9	35	3·0	15	3·9	10	3·2	20	2·6	5	2·1	5	2·3	—	1·5	—	0·1	—	0·4	—	0·9	—	0·5	2·4	15
290	2·9	—	1·5	300	2·5	295	2·4	—	1·1	—	1·1	250	2·0	240	2·3	245	2·0	245	2·5	240	2·9	250	3·0	1·4	16
270	3·5	270	3·0	260	3·7	270	4·0	265	3·0	260	2·9	275	3·0	320	4·0	290	2·2	285	2·7	270	2·5	250	2·5	3·6	17
265	3·0	290	2·9	285	2·0	—	1·5	—	1·4	—	1·0	245	1·9	240	2·0	230	2·4	225	2·5	225	2·9	215	2·1	2·4	18
245	5·5	270	3·7	250	3·4	245	3·8	240	3·8	240	2·8	230	3·0	245	1·9	240	2·3	250	2·0	260	2·4	245	1·6	3·2	19
—	1·5	—	1·0	235	1·7	235	1·6	—	0·4	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1·0	20
85	3·3	100	3·2	100	3·3	85	2·9	100	3·1	105	2·5	135	2·3	150	2·5	125	2·1	—	1·5	—	1·5	140	2·4	1·8	21
120	6·6	120	6·0	110	4·3	180	3·6	220	5·6	220	3·8	220	4·5	215	4·3	220	3·1	225	2·9	220	3·0	230	2·8	4·4	22
320	4·8	320	5·3	325	5·5	330	5·0	335	4·8	335	4·8	330	3·7	305	3·0	305	3·4	295	1·8	305	1·6	—	1·0	3·9	23
210	4·1	210	3·7	210	4·2	200	2·5	195	2·2	205	3·1	210	3·4	200	2·0	205	2·7	205	3·7	215	4·8	215	5·1	1·9	24
230	8·3	230	8·0	230	7·5	230	6·5	230	6·7	225	7·6	225	9·0	225	8·4	230	8·6	230	9·5	230	9·0	230	9·1	7·1	25
220	9·7	225	9·4	225	9·3	225	9·0	225	8·1	220	9·0	220	8·3	225	8·2	220	9·0	225	8·9	225	8·7	220	8·8	**9·0**	26
230	8·3	230	8·2	220	8·3	225	8·6	225	8·2	215	7·5	230	7·1	230	4·7	265	3·0	240	2·1	240	2·7	225	1·6	8·0	27
210	7·6	205	7·5	205	8·3	200	9·0	205	9·0	205	11·1	220	12·3	230	12·0	230	12·0	230	12·0	230	12·2	230	12·1	7·1	28
245	5·0	235	4·5	220	4·0	200	3·8	200	3·7	175	2·4	170	1·9	165	2·5	180	3·4	190	2·2	180	4·1	170	3·4	5·6	29
190	5·9	190	5·2	195	4·3	190	4·2	195	4·1	195	3·2	195	3·3	190	3·6	195	4·0	195	3·5	200	4·0	190	3·6	4·1	30
235	2·4	230	3·1	250	2·9	305	2·6	300	1·6	—	0·2	—	0·5	—	0·1	—	0·5	—	0·1	215	1·6	—	1·1	2·2	31
—	**4·2**	—	4·1	—	4·0	—	3·7	—	3·3	—	3·2	—	3·2	—	2·8	—	2·8	—	2·7	—	2·8	—	2·7	3·2	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

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

519. Richmond (Kew Observatory) : H_a (height of vane of anemograph above M.S.L.) = Height of ground above.
Dines Anemograph from Jan., 1926.

Hour. G.M.T.	1.		2.		3.		4.		5.		6		7.		8.		9.		10.		11.		Noon.	
Day.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·6	—	0·4	—	0·6	—	0·9	—	0·1	—	0·4	—	0·5	—	0·6	—	0·6	205	4·0	200	3·9	205	6·0
2	225	8·2	225	7·0	230	6·5	230	5·9	230	6·0	230	5·5	230	5·7	230	5·9	225	7·0	230	5·5	225	6·1	230	5·5
3	220	3·6	210	2·8	220	2·6	220	2·6	215	3·1	215	4·6	210	4·1	215	3·5	215	4·0	210	5·5	215	5·5	225	5·1
4	250	3·5	235	2·8	240	4·2	265	4·0	265	4·2	250	4·0	245	4·1	240	4·7	240	5·0	245	5·6	250	6·0	260	5·9
5	—	1·5	—	1·0	285	1·8	255	2·4	265	2·9	265	3·1	250	2·5	240	3·1	250	4·4	260	6·0	265	6·3	245	6·1
6	235	3·3	230	3·9	240	3·5	230	5·1	230	5·2	235	4·5	230	4·3	240	4·0	240	4·4	250	4·9	260	4·5	240	4·0
7	230	3·1	240	3·4	240	2·6	250	2·0	250	2·1	—	1·5	—	1·5	—	1·5	—	1·5	300	1·6	—	1·5	330	1·6
8	—	1·0	—	0·6	—	0·5	—	0·5	—	1·0	—	0·5	—	0·9	—	0·4	360	1·9	10	1·9	30	2·9	20	3·1
9	20	5·4	20	6·0	20	6·0	20	6·1	15	7·3	15	6·6	15	6·0	10	5·0	10	5·4	15	4·4	360	4·0	360	4·1
10	310	3·4	315	2·7	310	1·6	—	1·5	245	2·0	245	2·8	265	2·6	285	2·6	300	2·6	335	4·6	345	5·1	345	4·3
11	320	3·4	315	3·5	315	3·4	320	4·1	315	5·1	320	4·1	310	3·7	325	4·4	330	4·1	330	5·0	320	5·9	320	5·4
12	285	2·9	290	3·0	290	2·5	315	3·1	320	2·6	325	2·8	330	2·6	345	2·8	350	3·6	360	4·9	360	6·5	360	7·5
13	360	3·7	355	2·0	—	1·4	—	1·4	—	0·5	—	0·5	—	1·2	—	1·0	—	1·0	—	0·5	—	1·0	350	1·9
14	280	2·9	275	2·4	270	1·9	—	1·5	265	1·6	—	1·1	290	2·1	295	1·9	295	1·8	335	2·0	340	2·9	325	3·0
15	240	1·9	235	2·5	230	2·5	230	2·3	235	2·5	235	2·4	245	2·0	250	2·4	240	2·1	265	1·7	290	2·4	320	2·8
16	235	2·5	235	2·4	240	2·5	245	2·4	245	2·7	240	2·5	230	2·6	220	2·4	220	2·2	240	2·3	230	2·5	240	2·1
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	160	2·6	150	4·9	150	5·4
18	115	4·2	110	4·5	115	4·7	120	5·5	120	6·9	115	6·0	120	5·8	120	6·5	125	5·6	125	6·4	125	6·3	115	5·5
19	90	5·8	90	5·7	95	6·9	90	7·6	90	8·0	85	7·9	80	8·3	75	9·5	80	9·5	90	7·9	85	9·2	90	7·5
20	100	3·7	120	4·5	120	3·5	110	3·2	95	2·8	90	3·9	85	4·6	85	5·6	75	5·7	80	7·4	85	10·4	80	10·0
21	80	11·9	75	11·2	75	9·5	70	8·8	70	8·6	80	9·5	80	9·5	75	9·0	70	7·5	65	7·6	55	6·9	55	6·8
22	135	2·8	145	2·5	—	1·3	—	1·4	115	1·9	80	1·8	80	1·9	80	2·4	—	1·4	90	1·6	90	2·6	—	1·5
23	50	3·6	50	3·0	30	3·3	30	3·4	25	3·5	40	3·4	30	2·4	40	1·9	—	1·0	—	0·4	—	0·5	—	0·5
24	190	6·2	195	6·1	190	6·6	185	6·8	185	7·0	190	7·0	190	7·3	195	6·6	200	6·2	205	4·5	205	3·2	215	2·4
25	260	2·1	245	2·0	—	1·5	—	1·5	230	2·1	230	2·0	—	0·6	—	1·0	230	2·8	—	1·1	—	1·5	265	2·5
26	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·3
27	—	1·1	—	1·3	—	1·5	—	1·5	—	0·6	360	1·8	—	1·0	—	1·0	350	1·9	320	1·9	—	1·0	—	1·1
28	—	0·5	—	1·1	—	1·4	—	0·5	—	0·5	—	0·7	—	0·0	—	0·5	—	0·5	200	2·5	205	3·0	200	2·6
29	185	5·1	185	4·5	180	4·0	175	4·0	175	4·0	170	3·5	170	2·9	170	2·0	—	1·4	305	4·5	355	6·1	350	6·1
30	30	7·4	55	6·4	55	6·4	45	5·5	50	5·6	45	5·7	35	5·1	40	6·5	50	7·5	65	8·6	85	5·2	60	4·7
Mean ...	—	3·5	—	3·3	—	**3·2**	—	3·2	—	3·3	—	3·3	—	3·2	—	3·3	—	3·4	—	3·9	—	4·3	—	4·2

520. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s
1	35	3·7	35	3·6	35	3·1	45	3·1	50	4·5	50	4·6	40	4·6	40	4·2	40	4·0	45	5·2	45	4·3	30	4·0
2	45	2·9	35	3·3	25	2·4	25	2·9	30	2·9	30	2·8	50	3·2	25	3·0	35	3·1	35	3·4	30	3·0	15	3·3
3	55	3·1	45	2·1	45	2·1	—	1·5	80	2·2	100	2·1	—	1·4	—	0·1	—	0·1	140	2·0	165	2·5	175	2·1
4	90	3·5	90	3·4	90	3·4	95	3·8	95	4·6	95	4·4	95	3·4	95	3·9	95	3·0	—	1·5	85	2·9	85	2·3
5	40	1·7	40	2·0	80	2·4	85	2·5	85	2·0	85	3·1	85	2·6	85	2·6	120	4·4	130	5·5	130	5·5	140	4·5
6	160	4·4	150	3·6	150	3·6	145	3·4	140	3·9	135	4·0	130	3·5	120	3·0	120	4·3	135	5·0	150	5·5	150	5·4
7	65	1·9	65	2·0	—	1·4	—	1·5	—	1·3	50	2·1	—	1·5	—	0·4	—	0·5	—	1·0	—	0·9	5	2·3
8	350	3·5	355	3·7	350	3·1	15	3·1	360	2·0	350	2·1	340	2·0	350	2·4	350	2·0	—	1·1	—	1·0	—	0·5
9	—	0·3	—	0·2	—	1·0	—	0·6	—	1·0	—	0·4	130	1·7	120	1·6	—	1·1	125	1·7	155	2·3	—	1·4
10	135	2·4	115	3·0	105	3·3	120	3·3	115	2·6	105	3·0	105	3·3	100	3·2	105	2·9	110	2·2	110	2·4	100	3·6
11	95	7·5	100	7·2	110	6·2	100	7·9	100	9·5	90	9·8	90	10·8	95	9·4	100	7·7	90	7·5	85	7·9	85	8·9
12	80	10·5	80	9·5	75	8·5	75	8·9	75	8·9	70	9·2	75	9·8	75	9·1	75	9·1	70	8·1	70	7·9	65	8·0
13	60	5·0	35	3·2	25	2·1	20	2·1	—	1·4	20	2·0	—	1·0	—	1·1	20	1·9	20	2·3	—	1·5	20	1·9
14	115	1·6	100	2·0	90	2·9	100	3·0	100	2·3	150	3·1	165	4·0	160	4·3	155	3·9	155	4·5	150	4·5	155	4·1
15	85	6·0	85	6·6	85	7·5	85	6·9	85	6·2	80	5·2	60	4·0	60	3·9	60	5·2	80	5·9	80	5·4	80	6·0
16	45	2·0	—	1·1	40	1·6	50	1·6	55	2·1	45	2·9	45	3·0	55	3·2	—	1·5	20	2·2	20	2·1	—	1·4
17	—	0·0	—	0·0	—	0·3	—	1·0	—	0·7	—	0·3	360	1·8	5	1·9	15	2·6	80	4·1	105	3·0	—	1·5
18	—	0·0	—	0·3	150	1·8	145	1·9	—	1·0	—	0·0	—	0·1	—	0·2	—	0·0	—	0·2	—	0·7	—	1·0
19	105	3·5	105	4·0	105	4·5	105	4·1	105	4·4	110	2·8	100	2·5	110	1·8	115	2·1	110	3·9	105	5·4	105	6·2
20	100	5·7	100	5·5	100	4·8	100	5·5	105	5·8	110	4·8	105	4·3	105	4·7	110	4·2	120	3·9	125	3·9	115	4·4
21	90	4·1	100	4·0	120	3·5	110	2·8	100	3·1	90	3·2	80	2·7	95	2·8	115	1·8	190	2·2	195	4·2	190	3·5
22	140	6·1	130	6·1	130	6·2	145	6·3	155	6·3	170	7·4	185	7·3	190	5·7	200	5·7	190	4·1	195	5·0	195	5·1
23	245	4·1	235	4·1	220	4·0	220	4·7	220	4·1	230	3·7	240	3·4	255	3·7	260	3·5	245	2·5	250	1·6	275	2·4
24	—	0·9	—	1·3	—	1·4	95	2·3	85	2·8	85	2·7	90	2·6	100	1·6	100	1·9	—	1·0	—	0·2	—	0·7
25	185	1·6	—	0·5	—	0·5	—	0·7	—	1·1	70	2·3	65	3·6	70	4·7	65	4·9	65	4·2	60	4·4	45	4·5
26	35	7·9	30	7·5	35	8·5	30	9·2	35	8·9	40	8·5	35	8·2	35	9·0	35	10·4	35	10·0	30	9·4	30	10·4
27	45	11·5	50	11·6	45	10·5	50	9·5	55	8·9	55	7·9	55	7·9	50	8·0	50	8·6	50	8·9	50	8·6	50	8·5
28	40	6·5	40	6·9	40	6·7	50	7·8	55	8·0	50	8·0	45	7·8	40	7·9	44	8·1	45	8·3	50	8·1	60	11·0
29	45	6·6	50	6·9	60	6·9	60	8·5	65	9·4	70	10·3	65	9·6	65	10·0	70	10·5	75	10·8	80	10·5	75	9·5
30	85	4·5	85	5·1	80	4·0	80	4·1	65	2·0	—	0·9	—	0·4	—	0·5	—	0·8	105	3·5	100	5·0	100	4·5
31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	1·4	140	2·1
Mean ...	—	4·0	—	3·9	—	3·8	—	4·0	—	4·0	—	4·0	—	3·9	—	3·8	—	3·9	—	4·1	—	4·2	—	4·4
Annual Mean ...	—	3·1	—	3·0	—	3·0	—	3·0	—	3·0	—	3·2	—	3·3	—	3·6	—	3·9	—	4·2	—	4·5	—	4·6

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

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

November, 1927.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
205	6·4	205	7·2	210	7·1	210	6·9	210	6·3	210	6·0	205	6·2	205	7·0	210	7·1	210	7·7	220	8·0	220	7·9	4·1	1
230	5·9	235	5·0	230	4·1	220	5·3	220	4·6	220	5·5	220	6·3	230	5·1	225	6·1	225	6·5	225	6·7	225	5·2	5·9	2
225	5·3	240	4·5	240	5·0	220	4·9	210	5·8	215	6·5	230	5·5	230	4·4	230	4·2	240	2·5	235	3·5	240	3·6	4·3	3
260	6·1	260	5·5	255	5·8	250	4·4	235	4·5	240	3·5	230	2·6	235	3·1	250	2·9	255	3·5	275	2·1	285	2·1	4·2	4
240	6·6	245	6·9	250	6·5	240	7·0	240	7·4	230	7·9	230	8·4	230	8·1	245	7·0	240	6·0	245	5·4	250	3·6	5·1	5
245	4·4	265	3·2	230	3·9	190	2·1	160	2·5	170	3·6	170	3·0	165	3·0	160	2·9	175	2·0	200	2·6	215	3·0	3·7	6
330	1·8	320	2·0	310	2·0	275	2·1	255	1·6	—	1·0	—	0·0	—	0·0	—	0·7	—	0·5	235	1·9	—	1·3	1·7	7
15	3·5	20	3·5	35	3·7	30	4·1	30	4·4	35	4·0	35	3·9	35	3·9	40	4·0	25	4·5	30	5·3	25	5·9	2·7	8
345	3·9	345	3·3	335	2·9	340	2·5	330	1·8	—	1·4	285	1·8	270	1·7	240	2·5	250	3·4	285	4·1	295	4·0	4·2	9
335	4·0	330	4·5	320	3·1	315	3·0	310	4·0	320	4·5	310	3·5	320	4·1	335	5·0	335	4·2	305	3·5	310	3·7	3·5	10
320	5·3	315	4·9	305	4·4	315	4·3	315	4·2	315	3·7	305	3·7	300	3·1	280	2·3	265	1·9	260	2·4	265	1·6	4·0	11
10	8·0	10	7·5	5	4·7	355	4·9	360	4·9	5	5·1	5	4·8	360	4·1	360	4·1	5	4·0	360	3·9	355	4·0	4·3	12
360	3·9	360	3·5	345	3·0	—	0·8	—	0·1	—	0·6	—	0·8	240	2·0	240	1·9	240	2·1	255	2·0	280	2·1	1·7	13
325	3·1	325	3·0	325	2·4	—	1·0	—	1·0	260	1·6	—	1·4	—	1·4	—	1·5	250	1·6	—	1·5	240	1·9	1·9	14
290	2·7	270	2·2	240	3·5	235	2·8	245	2·3	230	2·0	235	2·4	230	2·4	235	2·1	240	2·6	235	2·4	235	3·0	2·4	15
240	3·1	260	3·0	235	2·5	230	2·5	—	1·5	—	1·4	—	1·1	—	1·0	—	0·8	—	0·1	—	0·0	—	0·0	2·0	16
135	5·0	140	4·9	130	5·3	130	5·0	115	4·8	110	5·3	110	5·1	115	5·1	130	4·8	125	4·8	135	5·1	130	5·0	2·9	17
110	4·5	135	6·1	130	5·0	130	5·8	120	5·4	120	4·5	110	4·2	105	4·8	105	4·6	110	4·0	105	4·0	100	5·2	5·2	18
90	7·1	90	6·4	100	5·3	110	4·5	125	3·2	130	4·1	135	4·4	135	4·4	125	4·0	110	3·9	105	4·0	110	4·1	6·3	19
75	8·9	75	9·4	70	10·5	65	10·9	65	10·5	60	10·0	65	10·5	70	11·5	70	11·6	75	12·0	80	12·6	80	12·0	**8·0**	20
55	6·1	55	5·2	55	3·5	50	4·0	45	3·6	45	2·9	55	2·5	55	3·0	65	2·0	—	1·5	—	1·0	125	2·4	6·2	21
70	3·2	90	3·2	80	3·1	90	2·5	75	3·6	65	2·3	70	4·0	75	4·6	75	4·1	75	5·0	70	4·8	55	3·7	2·8	22
—	0·4	—	0·3	250	1·6	170	2·0	—	1·0	145	2·0	150	3·1	155	3·9	170	3·1	180	4·1	180	4·5	185	5·1	2·4	23
320	2·4	—	1·4	—	1·0	—	0·4	—	0·2	—	0·3	—	1·1	305	1·9	—	0·9	300	1·8	300	1·6	—	0·5	3·6	24
265	2·0	260	1·6	—	1·3	—	1·0	—	0·9	—	1·0	—	1·3	—	1·0	—	0·7	—	0·0	—	0·0	—	0·0	1·2	25
—	0·4	—	0·4	—	1·0	135	2·5	110	1·9	105	1·9	90	3·1	90	2·4	90	2·1	100	2·0	95	1·8	95	1·9	**0·9**	26
310	2·0	—	1·4	—	0·6	300	1·9	—	1·5	—	0·5	—	1·0	—	0·6	—	0·3	—	0·4	—	0·5	—	0·8	1·2	27
210	3·6	205	3·5	190	3·4	185	2·5	185	1·6	—	1·5	185	2·4	185	2·6	180	4·7	185	5·0	185	4·6	190	5·8	2·2	28
360	7·4	10	7·5	15	8·2	30	7·1	25	6·5	20	7·3	20	8·0	20	8·9	25	8·6	25	8·5	25	7·9	20	8·2	5·9	29
60	5·4	65	7·0	70	7·2	65	5·4	55	4·5	55	3·5	50	2·5	50	2·9	55	3·5	50	4·0	40	3·6	30	3·5	5·4	30
—	**4·4**	—	4·3	—	4·1	—	3·8	—	3·5	—	3·5	—	3·6	—	3·7	—	3·7	—	3·7	—	3·7	—	3·7	3·7	—

December and Year, 1927.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
25	3·6	25	3·5	15	3·6	40	3·5	40	3·4	40	3·6	30	3·6	30	3·3	40	3·1	30	3·1	43	3·1	50	3·0	3·7	1
15	2·9	15	2·9	10	2·7	10	3·2	10	2·9	10	2·6	10	2·8	15	2·0	25	2·5	45	2·7	45	2·9	40	2·5	2·9	2
175	2·0	145	3·1	120	2·6	130	1·6	140	2·6	110	2·6	120	3·5	110	2·5	110	3·1	100	3·3	100	3·1	95	3·4	2·3	3
—	1·1	—	1·5	—	1·4	—	0·1	60	1·9	80	1·9	85	2·4	85	2·4	—	1·3	—	0·6	—	0·4	—	0·6	2·4	4
130	5·4	120	4·5	110	3·9	110	3·5	115	3·7	110	3·0	140	5·6	140	4·7	135	4·5	140	4·8	155	4·6	160	4·0	3·7	5
150	4·8	140	5·1	135	4·6	120	3·0	105	1·9	—	0·6	—	0·4	75	2·0	70	1·9	70	2·0	70	2·6	—	1·5	3·4	6
15	2·9	10	3·0	10	3·5	15	3·9	10	2·4	10	3·4	15	3·5	15	2·9	20	3·3	15	3·0	350	2·5	355	3·5	2·2	7
—	0·6	—	0·8	—	0·5	—	0·2	—	0·5	—	0·9	—	1·0	230	1·6	250	2·0	—	0·9	—	0·6	—	1·5	1·6	8
—	1·4	160	2·6	150	2·4	130	2·5	120	2·6	130	2·1	125	2·4	130	2·8	140	2·4	140	2·5	140	2·8	140	3·0	1·8	9
90	4·3	90	4·0	90	4·6	95	6·6	100	6·4	90	6·4	85	8·5	80	7·1	90	7·6	100	6·2	105	5·2	95	7·5	4·5	10
80	10·6	80	10·0	80	9·6	80	9·3	80	10·0	80	9·8	80	9·3	80	9·2	90	9·7	90	9·8	85	8·9	85	9·6	9·0	11
60	7·7	60	7·5	55	7·5	55	7·1	55	7·9	55	7·9	55	7·0	40	6·1	40	5·9	50	6·3	55	5·2	60	6·0	8·0	12
—	1·4	—	1·0	—	0·7	—	1·0	20	2·0	—	0·7	—	0·0	—	0·3	—	1·0	—	1·1	140	2·0	—	1·3	1·7	13
145	4·5	135	4·5	120	3·8	120	3·3	115	3·9	110	3·4	110	4·1	105	4·0	100	4·1	100	4·5	90	4·4	90	5·2	3·7	14
80	6·8	75	5·3	65	5·3	65	5·6	55	5·2	55	6·2	60	6·9	60	5·5	55	4·1	55	3·1	50	3·1	40	2·6	5·4	15
330	1·7	—	1·1	40	1·7	165	2·0	—	1·3	—	0·7	—	0·4	—	0·0	—	0·0	—	0·0	—	0·5	—	0·1	1·5	16
130	2·6	—	1·5	—	0·4	—	0·3	—	0·0	145	2·3	—	0·5	—	0·2	—	0·2	—	0·1	—	0·1	—	0·0	1·1	17
—	1·5	—	1·5	—	1·0	—	0·6	45	1·6	30	1·8	30	1·9	30	1·7	—	1·5	—	0·5	—	0·3	90	2·6	**0·9**	18
105	6·4	105	6·5	90	6·3	85	5·7	85	5·3	90	5·1	90	6·4	95	6·0	100	6·4	100	5·2	100	6·4	100	5·6	4·8	19
115	4·7	110	4·5	120	3·5	100	5·0	115	4·6	115	3·0	110	3·0	100	3·9	100	3·5	105	3·5	110	4·5	105	3·3	4·4	20
190	3·2	190	3·6	200	4·2	195	4·0	200	3·4	200	4·1	200	3·9	180	2·7	180	3·5	175	3·8	160	4·9	150	5·0	3·5	21
190	5·6	190	6·5	190	6·6	185	6·7	195	7·2	200	7·8	205	7·5	210	6·2	200	5·8	200	5·0	190	3·1	205	3·4	6·0	22
285	2·4	290	2·4	260	1·6	270	2·0	—	1·1	—	1·1	—	0·9	—	1·1	—	1·5	—	0·9	—	1·1	—	0·9	2·5	23
—	1·4	—	1·5	—	1·1	—	1·5	175	1·9	200	1·9	215	1·6	190	1·9	200	2·2	190	2·1	200	1·6	—	1·5	1·6	24
40	6·0	45	7·1	50	7·9	50	7·7	50	7·9	45	7·6	45	7·2	40	7·3	40	7·4	40	8·1	40	7·9	40	9·2	5·0	25
35	10·9	30	10·3	35	10·2	35	10·5	35	10·9	35	10·9	35	10·2	35	10·5	40	10·3	40	10·5	40	11·1	40	11·0	**9·8**	26
50	8·5	50	8·3	55	8·2	50	8·5	45	7·5	45	8·5	45	7·7	40	7·8	45	7·4	45	6·6	45	6·9	45	7·5	8·6	27
65	11·5	60	10·0	60	8·9	55	8·5	45	8·3	50	8·4	55	7·6	45	6·5	45	6·1	45	5·6	50	6·6	50	6·5	7·9	28
80	10·1	80	10·4	75	10·0	75	9·1	75	7·7	80	7·0	80	6·9	90	5·1	95	3·9	100	3·9	95	5·4	95	4·9	8·1	29
115	3·1	115	2·1	85	2·6	75	2·3	80	1·6	—	0·6	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2·1	30
—	1·5	120	1·6	110	1·6	85	2·8	80	3·9	80	4·2	70	4·0	60	4·1	55	4·1	50	3·3	40	2·8	—	1·0	1·6	31
—	**4·6**	—	4·5	—	4·3	—	4·2	—	4·2	—	4·2	—	4·2	—	3·9	—	3·9	—	**3·6**	—	3·7	—	3·8	4·1	—
—	4·8	—	4·7	—	4·6	—	4·5	—	4·2	—	4·0	—	3·7	—	3·5	—	3·4	—	3·2	—	3·1	—	3·1	3·7	—

521. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	T me of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	8	12 50	9	23 55	17	0 25	16	7 5	11	17 40	6	3 25	13	18 20	6	3 0	7	9 15	16	11 30	13	13 45	9	9 50
2	9	22 10	11	1 30	15	23 35	14	15 20	11	11 28	7	22 15	10	0 20	9	14 20	5	20 30	19	14 0	13	0 25	7	8 30
3	13	14 20	10	11 20	15	9 30	10	9 55	11	13 40	11	10 20	13	13 50	5	16 50 / 18 25	10	21 15	5	10 10	11	12 30	5	17 35
4	16	16 10	10	0 25	14	12 20	12	21 55	10	10 20	13	19 15	15	12 40	13	12 30	7	0 35	1	13 40	11	14 35	7	4 50
5	9	10 10	10	19 55	17	9 50	17	14 0	10	18 25	15	14 20	16	11 20	7	21 15	4	13 20	1	10 25	15	19 25	9	9 20
6	10	11 40	12	4 25	11	14 25	13	12 50	11	17·20	14	1 15	9	12 15	10	10 5	8	16 5	3	15 30	9	9 55	10	11 30
7	7	1 50	10	23 45	11	17 5	10	19 20	13	13 0 / 15 35	7	19 20	10	16 25	12	16 10	9	12 45	2	13 15	5	2 20	6	16 25
8	9	17 40	14	16 45	13	14 25	11	14 15	13	10 25	9	14 50	11	16 45 / 18 5	12	14 55	12	11 50	11	18 10	9	24 0	6	1 30
9	9	2 40	13	8 50	6	12 0	11	10 35	10	11 15	8	14 25	12	15 30	15	12 5	13	12 35	9	13 30	11	5 15	5	23 35
10	11	7 10	4	0 1	7	16 40	7	15 30	11	19 35	11	21 25	8	11 50	14	13 40	9	18 0	4	14 20	11	10 55	13	19 5
11	10	12 10	2	11 20	7	12 15	11	16 45	9	1 40	12	11 40	12	14 5	13	14 25	8	15 0	9	22 5	10	11 20 / 11 40	10	17 45
12	14	17 5	6	9 45	10	15 10	11	14 30	8	16 30	9	13 10	6	4 45	16	13 10 / 14 0	8	11 55	7	4 0	15	14 5	16	8 25
13	14	20 20	3	21 15	14	13 15	11	23 0	8	9 25	7	14 10	6	3 25	10	12 50	9	12 45	5	10 10	6	13 50	11	0 5
14	9	14 30	3	10 55	10	0 45	13	16 20	11	18 15	10	18 45	5	16 5	12	9 35	9	23 55	8	10 10	5	12 55	7	10 35
15	6	13 15	4	23 50	9	12 10	11	8 35	12	14 15	13	15 55	8	23 25	15	15 25	12	1 5	7	14 25	6	12 5	11	13 5
16	7	14 0	5	1 5	12	10 40	7	7 40	15	12 30	11	14 0	7	17 50	7	5 10	6	9 50	6	14 35	6	12 35	5	15 20
17	10	20 40	5	20 45	9	14 40 / 15 0	7	15 35	8	0 55	15	16 0	6	18 35	8	23 50	9	11 45	13	11 20	10	11 35	8	10 5
18	10	11 20	8	10 40	7	8 40	4	10 55	8	16 5	15	17 35	6	10 50	13	15 5	9	9 55	6	12 10	12	15 25	5	24 0
19	7	17 45	5	22 55	10	16 50	8	16 25	8	21 5	15	1 5	9	18 0	10	14 55	15	9 50	10	11 55	15	8 0	11	19 20
20	5	17 20	9	21 50	9	13 45	14	15 0	11	14 55	10	12 25	5	3 20	13	16 15	11	23 35	4	10 25	**19**	21 25	11	4 30
21	7	13 30	9	15 0	13	14 55	13	12 20	**15**	14 10	14	7 50	12	13 20	17	16 45	15	16 5	6	14 5	19	2 0	8	23 35
22	6	10 15	13	13 0	16	10 10	14	17 30	14	14 5	10	16 50	14	16 55	**21**	12 30	16	10 5	11	12 15	7	21 55	13	6 15
23	4	14 50	14	9 25	18	13 5	16	8 20	9	14 30	15	14 30	9	8 15	11	10 40	12	0 10	11	11 5	9	23 35	7	3 55
24	14	21 15	10	5 30	14	9 40	14	13 10	8	10 35	**17**	13 10	13	15 15	12	13 15	14	13 25	9	23 15	12	5 45	4	6 40
25	16	11 10	9	19 25	**19**	9 55	**21**	14 15	9	14 0	13	15 50	11	17 10	9	15 35	11	12 40	17	22 35	4	5 45	14	23 30
26	18	14 15	17	18 25	18	9 20	15	0 45	8	18 55	13	8 30	11	13 50	7	13 25	11	12 55	17	1 30	5	19 5	19	17 30
27	24	14 40	19	12 5	12	12 55	10	13 20	7	16 35	9	11 50	**17**	14 45	13	15 15	6	12 45	**24**	8 25	4	13 20	**20**	2 15
28	**25**	14 0	**20**	18 25	10	17 45	11	**16** 25	6	9 50	9	18 30	11	14 15	13	10 45	11	15 35	24	19 40	9	22 25	20	12 25
29	22	7 35	—	—	8	12 45	9	17 30	7	**13** 25	12	8 35	9	16 50	9	23 50	**17**	12 35	21	1 30	14	19 25	18	8 25
30	16	14 20	—	—	19	13 45	10	13 10	10	**16** 20	12	12 25	11	18 0	10	7 50	10	12 45	10	13 10	15	9 24	8	11 30
31	11	13 45	—	—	13	19 35	—	—	11	12 15	—	—	11	13 5	13	1 30	—	—	11	11 0	—	—	6	19 15

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

522. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1927.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid. Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	d. h. m.
Jan.	—	0	2	16	166	473	89	0	220	15	28	14	25	28 14 0
Feb.	—	0	1	3	126	313	230	0	205	11	28	18	20	28 18 25
Mar.	—	0	0	0	240	419	85	0	220	10	2	18	19	25 9 55
April	—	0	0	0	167	451	102	0	270	10	25	17	21	25 14 15
May	—	0	0	0	134	486	124	0	70	9	7	15	15	21 14 10
June	—	0	0	0	169	465	86	0	220	10	24	8	17	24 13 10
July	—	0	0	0	145	484	115	0	220	10	27	15	17	27 14 45
Aug.	—	0	1	6	171	459	108	0	230	12	22	14	21	22 12 30
Sept.	—	0	0	0	114	437	169	0	225	9	21	18	17	29 12 35
Oct.	—	0	4	13	127	359	245	0	220	12	28	19	24	27 8 25
Nov.	—	0	2	8	148	411	153	0	80	13	20	23	19	20 21 25
Dec.	—	0	5	10	196	385	153	0	50	12	27	2	20	27 2 15
Year	—	0	15	56	1903	5142	1659	0	220	15	Jan. 28	14	25	Jan. 28 14 0

523. Richmond (Kew Observatory). *Readings, in degrees absolute, at 9h., Greenwich Mean Time.* **1927.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	77·5	79·7	76·9	79·2	79·9	79·3	80·7	81·1	82·5	82·7	87·1	85·0	88·0	86·1	90·3	87·7	90·3	88·0	84·6	86·6	84·5	85·0	79·5	82·1
2	77·5	79·7	76·9	79·2	79·9	79·4	79·9	81·1	82·6	82·7	87·0	85·1	87·9	86·1	89·5	87·8	89·6	88·1	85·3	86·2	84·8	85·0	79·0	82·0
3	78·3	79·7	76·0	79·1	79·9	79·5	80·2	81·2	83·5	82·7	87·6	85·1	88·0	86·1	90·1	88·0	90·0	88·1	85·0	86·3	85·5	85·1	78·8	82·0
4	77·6	79·8	76·8	79·1	80·0	79·7	80·2	81·1	84·0	82·8	87·2	85·2	88·7	86·1	90·7	87·9	89·6	88·1	84·4	86·3	85·4	85·1	78·2	81·9
5	76·8	79·8	76·6	79·1	79·9	79·8	80·9	81·1	85·2	82·8	87·0	85·2	89·0	86·2	90·8	87·9	89·5	88·1	83·9	86·1	84·8	85·2	78·4	81·9
6	77·0	79·8	76·7	79·1	79·8	79·9	81·6	81·1	85·6	82·9	87·0	85·2	88·9	86·2	91·1	88·1	89·7	88·1	83·2	86·1	83·9	85·1	78·4	81·8
7	77·5	79·8	76·5	79·1	79·9	79·6	81·8	81·2	86·3	83·2	86·7	85·3	89·2	86·5	91·2	88·1	89·6	88·2	83·6	86·0	82·6	85·2	78·7	81·6
8	77·5	79·8	76·3	79·1	80·0	79·8	80·9	81·3	86·6	83·2	86·8	85·3	89·2	86·5	91·2	88·1	88·9	88·1	83·7	85·8	81·5	85·1	78·8	81·6
9	78·0	79·7	75·8	79·0	79·0	80·2	81·2	81·2	86·5	83·4	87·0	85·2	89·7	86·6	90·9	88·1	89·0	88·1	84·3	85·8	80·8	84·9	78·6	81·6
10	78·5	79·8	75·1	79·0	79·0	80·2	81·2	81·3	86·4	83·8	87·4	85·3	89·8	86·8	90·7	88·2	88·9	88·1	83·9	85·7	79·8	85·7	79·1	81·6
11	78·1	79·7	74·8	78·8	78·8	80·2	81·5	81·3	85·2	83·9	87·2	85·5	91·2	86·8	90·5	88·5	88·3	88·1	83·3	85·6	79·0	84·6	78·9	81·3
12	79·0	79·8	74·6	78·8	78·9	80·2	81·5	81·3	84·9	83·9	86·9	85·4	90·7	86·9	90·0	88·5	87·6	88·1	83·5	85·6	78·1	84·2	78·2	81·4
13	79·0	79·9	74·5	78·7	78·6	80·2	81·8	81·5	84·9	84·0	86·9	85·4	90·3	87·0	90·0	88·5	87·3	88·0	83·7	85·5	77·9	83·9	77·7	81·4
14	78·0	80·0	74·4	78·5	78·5	80·2	82·7	81·4	85·1	83·9	87·8	85·6	89·7	87·1	90·3	88·4	87·2	88·0	83·5	85·5	78·0	83·7	77·6	81·4
15	77·8	80·0	75·0	78·3	78·2	80·2	83·0	81·6	85·1	83·9	87·5	85·6	89·0	87·1	90·2	88·4	87·3	87·8	83·9	85·3	78·8	83·4	77·5	81·2
16	76·8	80·0	76·0	78·4	78·0	80·1	82·2	81·8	85·7	84·0	88·1	85·6	89·1	87·1	89·6	88·5	87·8	87·7	83·9	85·2	79·6	83·2	76·6	81·2
17	76·0	79·9	76·9	78·3	78·4	80·1	82·3	81·8	85·7	84·2	89·6	85·7	88·7	87·2	89·0	88·4	87·3	87·8	84·3	85·2	79·2	83·1	75·8	81·1
18	76·1	79·8	77·6	78·3	79·5	80·0	82·8	81·8	86·0	84·2	88·2	85·8	88·0	87·3	89·6	88·5	86·9	87·6	83·6	85·2	79·5	82·9	75·2	80·9
19	76·0	79·8	77·5	78·6	80·3	80·0	83·4	81·9	86·0	84·2	87·8	85·9	89·1	87·1	89·6	88·4	87·3	87·6	83·3	85·2	80·0	82·9	75·0	80·7
20	75·6	79·7	77·0	78·7	80·9	80·2	83·3	82·1	86·1	84·3	87·8	86·0	89·3	87·1	89·0	88·2	87·3	87·5	83·0	85·2	80·3	82·8	74·7	80·5
21	75·8	79·7	78·1	78·7	81·0	80·2	83·9	82·2	86·4	84·2	88·2	86·0	89·6	87·1	89·0	88·2	87·8	87·5	82·4	85·2	80·3	82·8	74·6	80·2
22	74·9	79·3	79·0	78·8	81·8	80·4	84·5	82·2	86·0	84·4	87·4	86·1	89·6	87·1	89·2	88·4	88·2	87·5	82·9	85·1	80·1	82·8	74·7	80·1
23	74·8	79·2	79·2	79·0	82·1	80·5	84·4	82·3	85·3	84·6	88·0	86·1	89·5	87·3	89·2	88·2	87·1	87·5	82·4	85·0	80·0	82·8	76·5	79·8
24	74·7	79·0	78·8	79·1	81·3	80·7	83·6	82·5	86·4	84·6	87·5	86·0	89·5	87·3	89·0	88·2	86·0	87·6	81·8	84·8	80·0	82·7	77·6	79·7
25	76·5	79·0	78·0	79·1	81·0	80·8	83·3	82·7	87·5	84·6	87·5	86·1	89·8	87·4	88·5	88·1	85·4	87·3	82·7	84·8	79·9	82·7	77·9	79·2
26	77·2	79·0	78·2	79·2	80·7	80·9	82·6	82·5	87·0	84·7	87·1	86·0	90·7	87·5	87·8	88·1	85·1	87·3	84·3	84·7	78·8	82·6	77·2	79·5
27	77·5	79·0	79·0	79·2	80·5	81·0	82·0	82·7	87·2	84·7	86·2	86·1	90·1	87·3	88·0	88·1	84·4	87·1	85·2	84·7	78·7	82·3	76·4	79·9
28	77·5	79·0	79·1	79·2	80·4	81·0	82·0	82·7	85·2	84·9	86·7	86·1	90·2	87·6	88·5	88·1	84·9	87·0	85·5	84·7	78·8	82·4	76·0	80·0
29	78·1	79·1	—	—	80·6	81·0	83·0	82·7	85·4	85·0	87·3	86·1	89·8	87·7	88·5	88·0	85·4	86·8	85·3	84·8	79·2	82·2	75·5	79·7
30	77·5	79·2	—	—	80·9	81·1	83·0	82·7	86·5	84·9	87·2	86·1	90·3	87·7	87·7	88·0	84·0	86·7	84·9	84·9	79·6	82·2	75·1	79·7
31	77·0	79·2	—	—	80·7	81·1	—	—	87·0	84·9	—	—	89·9	87·8	89·9	87·9	—	—	85·5	85·0	—	—	74·9	79·3
Mean	77·1	79·6	76·8	78·9	79·9	80·2	82·2	81·8	85·6	83·9	87·4	85·6	89·4	87·0	89·7	88·2	87·6	87·7	83·9	85·4	80·6	83·7	77·1	80·8

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

| Year | 83·1 | 83·6 |

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

Readings in degrees absolute.

524. Richmond (Kew Observatory). **1927.**

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	69·5	72·1	78·0	76·6	**66·6**	84·4	81·4	86·2	84·0	80·8	71·8	77·8
2	73·0	73·0	74·4	67·8	72·5	78·9	85·0	79·7	80·3	86·5	84·3	76·3
3	79·1	66·1	76·2	77·4	79·8	78·8	83·3	78·4	82·0	72·9	83·8	75·4
4	68·3	75·2	75·6	69·9	74·9	73·7	86·9	80·2	86·9	71·9	81·3	74·0
5	71·1	65·8	75·8	77·9	78·7	75·1	—	82·7	84·0	75·0	76·8	73·4
6	71·0	74·6	75·9	81·0	82·6	81·4	79·2	87·9	84·0	74·9	77·0	75·8
7	71·7	68·6	76·1	74·0	82·3	79·0	84·8	87·5	84·8	76·7	71·8	72·2
8	71·3	71·0	72·5	71·7	82·8	79·3	80·3	86·1	73·5	78·2	69·5	77·0
9	74·4	73·0	68·0	75·7	77·6	73·2	84·9	85·0	84·9	76·7	75·4	75·0
10	75·0	**64·2**	70·9	75·5	79·4	78·8	85·2	85·5	82·9	74·4	67·1	78·2
11	73·4	**64·2**	69·4	74·5	76·8	83·5	83·3	84·1	78·0	73·9	70·5	75·5
12	76·0	71·1	72·1	70·2	70·0	78·9	86·6	83·4	76·1	79·2	**66·8**	75·7
13	73·0	72·0	72·5	77·6	77·7	**71·2**	87·1	86·5	77·0	81·0	67·8	74·9
14	72·6	71·6	75·7	81·4	77·1	76·4	86·4	87·2	80·1	75·1	67·3	74·1
15	68·0	75·1	73·6	77·5	82·1	83·1	84·1	85·3	84·2	80·5	77·1	73·4
16	67·0	75·6	**67·0**	73·6	82·9	83·4	82·9	85·5	82·5	79·7	75·5	67 0
17	66·5	78·9	68·1	71·2	82·5	84·9	78·6	78·6	81·8	79·1	70·2	64·1
18	73·0	74·6	73·7	72·3	73·1	80·2	**74·6**	84·0	77·6	71·3	77·9	64·3
19	67·8	67·5	73·4	73·1	71·7	83·1	83·4	81·7	80·3	74·9	80·0	64·4
20	**64·0**	71·1	77·5	73·0	72·9	80·8	81·8	82·9	83·7	72·8	78·9	67·6
21	70·6	78·7	70·2	78·4	80·1	84·5	86·0	85·3	88·1	72·7	78·7	66·1
22	66·0	78·6	80·2	80·9	77·8	78·3	86·0	84·9	87·5	78·9	72·0	78·8
23	68·8	76·3	80·7	80·2	71·0	81·3	83·9	85·8	79·8	76·2	75·8	80·1
24	72·8	71·6	74·0	74·9	81·1	81·8	80·2	**77·0**	77·0	**70·1**	76·5	78·0
25	80·5	67·5	75·4	77·2	79·7	77·0	83·5	78·3	74·3	79·2	69·8	75·3
26	73·0	72·4	72·9	73·2	83·0	82·3	88·0	77·7	76·0	86·1	70·2	73·0
27	74·4	78·4	76·7	**66·0**	81·1	76·4	82·0	83·2	**71·5**	87·2	71·0	72·6
28	75·2	75·5	70·4	68·3	70·4	81·9	85·6	83·6	76·1	80·6	75·1	70·5
29	78·6	—	74·2	78·9	71·0	82·7	80·8	79·0	78·6	80·9	71·1	70·2
30	73·4	—	75·5	70·7	77·0	82·8	87·1	86·7	71·8	81·7	78·2	62·9
31	72·1	—	73·1	—	81·5	—	79·7	88·7	—	85·5	—	**60·5**
Mean	72·0	72·3	73·9	74·7	77·3	79·9	83·4	83·5	80·3	77·9	74·3	72·4

| Year | 76·6 |

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

Note.—The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

HEIGHT IN CM. ABOVE M.S.L. OF SURFACE OF UNDERGROUND WATER.

Daily Means and Extremes for Months.

525. Richmond (Kew Observatory). **1927.**

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.
1	237	230	310	321	299	250	224	225	234	286	247	276
2	235	235	319	322	303	249	226	227	232	287	248	285
3	234	242	326	327	304	248	229	227	230	285	250	291
4	233	253	333	333	303	248	235	226	229	285	252	294
5	232	269	364	338	300	249	238	225	227	282	254	295
6	232	285	*	341	297	249	239	224	225	279	256	293
7	231	294	*	348	294	247	237	222	222	276	257	290
8	229	300	444	355	292	245	235	221	219	273	257	288
9	229	303	436	362	289	243	233	219	217	270	258	287
10	227	304	424	364	285	241	231	217	215	268	259	287
11	228	303	408	363	282	240	230	215	215	267	259	286
12	227	301	394	360	278	238	229	214	217	266	259	285
13	227	297	384	359	275	237	229	213	220	266	259	283
14	225	294	375	357	272	235	230	212	222	266	257	282
15	223	291	365	351	270	234	231	213	224	265	255	279
16	221	288	359	352	268	234	233	216	227	265	252	275
17	221	286	354	349	267	233	235	221	233	264	250	273
18	220	284	349	340	266	233	239	226	239	262	249	270
19	220	282	346	340	266	233	242	228	246	259	246	268
20	221	281	344	337	265	231	243	229	251	255	244	265
21	222	280	342	334	264	231	242	230	253	253	243	263
22	221	280	339	330	262	230	240	229	257	251	244	263
23	220	279	337	326	261	229	237	227	259	248	247	265
24	220	280	331	322	260	228	234	226	262	246	249	275
25	221	282	331	317	258	227	232	225	267	246	251	292
26	222	287	328	312	256	225	231	226	272	245	254	*
27	223	294	327	307	254	224	229	227	277	245	257	*
28	223	302	326	303	252	223	227	227	280	244	259	453
29	224	—	325	299	251	223	226	229	283	244	260	444
30	224	—	323	297	250	223	225	233	285	245	266	433
31	226	—	323	—	250	—	224	235	—	246	—	419
Mean	226	282	354	336	274	236	233	224	241	263	253	302

Annual Mean = 268 cm.

Extremes for the months :—Jan., 239, 220; Feb., 306, 228; Mar., 447, 306; Apr., 365, 296; May, 304, 250; June, 250, 222; July, 243, 223; Aug., 235, 212; Sep., 285, 215; Oct., 288, 243; Nov., 272, 242; Dec., *, 262.

* Old Deer Park flooded.

526. Richmond (Kew Observatory). **January, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-Cu : St. : St-Cu.	Ci-Cu : Ci-St Ci : Fr-Cu.	St-Cu.	9	9	6	9	8	<1	G	E	H	H	H	H	..	..	..	..	..	..	early a : p n.
2	A-St : St.	St-Cu	St-Cu.	10	9	10	–	9	9	J	G	G	–	H	i	..	..	..	–	..	..	early a.
3	Ci-St:Ci-Cu:St-Cu.	A-St : St	St.	10	9	10	10	10	0	J	H	i	G	G	G	..	..	● 0	●	..	..	
4	St.	St-Cu - Fr-St.	A-Cu.	<1	0	6	9	2	0	J	G	J	H	J	K	..	..	..	..	..	..	a and n.
5	A-St : Nb.	St.	Ci-St : A-Cu.	10	10	10	7	8	0	J	G	G	G	G	G	● 0	● 0	..	..	..	..	7h 50m.
6	A-St : Fr-Nb	Ci : Ci-Cu : Cu	Ci-St : St-Cu	10	10	7	7	10	5	i	G	J	H	i	J	● 0	..	..	..	..	..	
7	Ci-St : St-Cu	Ci : Cu.	St.	2	2	5	7	10	10	G	G	J	J	G	G	..	..	..	..	..	● 0	a : ● p : ● 0 n.
8	...	A-Cu.	St.	0	0	9	10	10	10	G	C	F	F	F	G	..	..	..	..	..	..	a :
9	Ci : Ci-St : A-Cu.	Ci : A-Cu : St-Cu.	Ci-St : Ci : A-Cu.	8	10	9	–	5	4	J	i	i	–	G	G	..	..	..	–	..	..	n.
10	A-Cu : St-Cu.	A-St : St.	A-St.	8	10	10	10	9	0	J	i	J	G	F	G	..	..	..	..	..	..	a and n.
11	A-St : St.	St-Cu.	A-St : St : Fr-St.	10	10	10	10	10	9	J	J	J	G	G	G	..	..	..	..	..	..	a.
12	A-St : A-Cu : St : St-Cu.	Ci : Ci-St : St-Cu : St	A-St : St.	9	10	9	10	10	10	G	G	i	G	G	G	..	..	..	..	● 0	● 0	a : q n.
13	St : St-Cu.	A-St:Cu-Nb:St-Cu	A-St.	1	2	9	3	<1	10	J	i	K	i	i	i	..	..	● 0	..	..	●	
14	A-Cu : St.	A-St : Nb.	Nb.	9	10	10	10	10	7	J	H	i	G	G	G	..	..	● 0	●	●	● 0	u a.
15	A-Cu.	A-Cu : Cu.	Ci : Cu : Fr-Cu.	<1	3	9	3	0	0	G	C	G	G	D	A	..	..	..	..	..	..	early a : n.
16	A-Cu.	Ci : Ci-St : Cu.	St-Cu.	1	4	3	–	8	5	C	G	G	–	F	F	..	..	..	–	..	..	early a : n
17	...	St.	Nb.	0	10	10	9	10	9	B	X	D	E	G	G	..	..	..	..	●	..	V early a : m cleared 16h 15m.
18	A-St:Nb:Fr-Nb.	Ci-Cu : St-Cu : St.	A-Cu : St : St-Cu.	9	10	9	8	6	9	G	F	H	G	G	G	✱	●	..	..	..	..	21h 5m.
19	Ci-Cu : A-Cu.	A-Cu.	St-Cu.	1	8	2	9	10	4	F	E	G	F	F	F	..	..	..	..	..	..	a and n : 21h.
20	St.	...	Ci : St-Cu.	1	0	0	7	5	2	F	D	F	G	F	F	..	..	..	..	..	..	a.
21	Nb.	Ci-St : Ci : A-Cu.	A-St.	10	10	7	2	1	<1	G	C	i	G	G	G	✲	✲	..	..	..	..	✲ ceased about 9h 40m.
22	Ci : A-Cu : St.	Nb.	St.	6	10	10	9	10	5	G	F	F	F	D	E	..	..	✱	..	..	..	: ~ early a : d 22h 15m.
23	Ci-St : A-Cu.	...	St.	2	o?	o?	–	10	10	D	B	C	–	B	B	..	..	..	–	..	..	till 10h 30m :
24	St.	A-St : St : St-Cu.	A-St.	10	10	10	7	2	8	B	D	i	i	H	K	..	..	..	..	..	..	
25	St:St-Cu:Fr-Cu.	St : St-Cu.	Ci : A-Cu.	9	9	10	9	2	0	K	J	J	i	i	J	..	..	..	..	..	..	q & p0 p.
26	St.	A-St : St.	A-Cu : St.	10	10	10	10	4	0	G	G	J	J	J	J	..	● 0	..	● 0	● 0	..	(gusts S S W) 14h 5m to 14h 55m.
27	Nb : Fr-Nb.	Ci : A-Cu : Fr-Cu.	...	9	8	4	1	0	0	J	J	J	K	J	J	● 0	..	..	..	..	..	● ▲ 10h 45m to 11h 5m : T 11h 39m :
28	A-St : Fr-Cu : St.	Fr-Cu : Nb.	A-St : Fr-Cu.	5	10	9	9	10	10	J	i	K	J	J	J	..	..	..	..	..	● 0	(gusts S W) from 9h 45m. [(gusts W)
29	A-St : Fr-St : Nb.	Ci: Ci-St : St-Cu : Fr-Cu.	A-St.	9	10	8	9	1	0	i	J	K	K	J	J	● 0	..	..	..	..	..	(gusts S W)till 8h : ● till 6h 45m
30	A-St. : St : Fr-St.	A-St. : St-Cu.	A-Cu : St.	8	7	9	–	4	0	i	J	i	–	G	i	..	..	..	–	..	..	● 0 p. [q f
31	Ci : Ci-St : A-St.	Ci:Ci-Cu : Cu: St-Cu.	A-Cu : Nb : St.	1	2	7	7	5	7	i	G	J	i	G	G	..	..	..	..	..	..	early a.
Mean Cloud Am'nt.	—	—	—	6·1	7·2	7·6	7·7*	6·5	4·7	–	–	–	–	–	–	–	–	–	–	–	–	—

527. Richmond (Kew Observatory). **February, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St-Cu.	Ci : Ci-Cu : Cu.	A-St : St.	2	1	7	9	10	10	G	F	J	H	F	G	..	..	..	..	..	●	early a : ⊕ 12h 15m : ✱ n.
2	St.	Ci : Cu.	...	10	0	3	6	0	0	G	G	H	H	F	D	..	..	..	..	..	..	a : n.
3	A-Cu : St-Cu.	A-Cu.: A-St :St.-Cu.	Ci : Ci-St : A-Cu.	9	9	10	8	7	9	G	G	i	H	G	I	..	..	..	..	..	..	early a : p0 12h 15m : p n.
4	St : Fr-St.	Cu.	St.	9	8	1	<1	<1	0	G	G	K	i	F	F	..	..	..	..	..	..	n.
5	A-Cu : A-St : St : St-Cu.	Ci:A-St:A-Cu:St-Cu	Nb.	4	2	9	10	10	7	B	B	H	H	H	J	..	..	..	● 0	● 0	..	early a : ● p.
6	A-Cu:A-St:St-Cu:St	St-Cu : Cu.	A-Cu : St-Cu.	7	9	7	–	5	1	J	i	G	–	G	G	..	..	..	–	..	..	17h 50m.
7	St.	Nb.	Nb.	10	10	10	10	10	10	C	D	D	D	F	F	..	..	●	●	●	..	● 0 ● 10h 30m to 19h m cleared
8	St-Cu : St : Fr-St.	St-Cu.	St-Cu.	9	10	10	9	9	10	G	G	G	i	G	i	..	..	..	..	..	..	[17h 30
9	St-Cu	St : St-Cu.	St-Cu.	10	10	10	10	6	10	G	G	G	G	G	i	..	..	..	..	..	..	
10	A-St.	...	...	1	0	0	0	0	0	F	D	E	E	D	E	..	..	..	..	..	..	a, p. and n.
11	St.	St.	St.	10	10	10	10	10	10	D	A	B	D	B	D	..	..	..	..	..	..	a, p and n.
12	St.	St.	St.	10	10	10	10	10	10	D	D	E	D	D	E	..	..	..	..	..	..	early a.
13	St.	St.	St.	10	10	10	–	10	10	C	C	E	–	B	B	● 0	● 0	..	–	..	..	
14	St.	St.	St.	10	10	10	10	10	10	C	C	C	C	B	B	..	..	..	..	..	..	early a :
15	St.	St.	St.	10	10	10	10	10	10	F	D	E	F	E	F	..	..	..	..	..	..	a.
16	St.	St.	St.	10	10	10	10	10	10	F	D	F	F	F	E	● 0	● 0	..	..	..	..	● 0 till 10h 20m.
17	St.	St.	St.	10	10	10	10	10	9	F	E	F	G	F	G	..	..	..	..	..	..	early a.
18	Ci:Ci-St:A-Cu:St-Cu	Ci-St : A-Cu : Cu.	Fr-St : St-Cu.	8	10	8	10	10	9	G	G	H	G	F	G	..	..	..	..	..	..	⊕ 13h : p n.
19	A-St.	A-Cu.	A-Cu : A-St.	1	4	7	8	10	10	C	D	D	E	E	G	..	..	..	..	..	..	early a : p n.
20	A-St : St.	S.	St.	10	10	10	–	10	8	G	G	G	–	F	H	●	..	● 0	–	● 0	..	
21	St.	Ci : St-Cu : Cu.	Nb : St.	10	9	8	9	10	10	F	G	K	H	G	G	● 0	..	..	..	● 0	● 0	
22	St-Cu.	A-St : St.	St-Cu	10	10	9	9	10	10	G	G	J	i	i	G	..	..	..	..	● ▲	●	
23	A-St : St-Cu.	Nb : St-Cu.	Nb.	1	2	10	9	9	9	J	J	J	K	J	G	..	..	● 0	..	..	● 0	⌒ 13h : q p : Q K 18h.
24	St : Fr-St : St-Cu.	A-St : Nb.	Fr-St.	10	10	10	10	2	1	i	H	H	G	G	G	● 0	● 0	● 0	● 0	..	..	gloomy 14h 30m.
25	A-Cu : St : St-Cu.	Nb.	A-St : Nb.	10	10	10	10	10	2	H	H	G	F	F	i	..	..	●	● 0	● 0	..	
26	A-Cu : St-Cu.	Fr-Cu : St-Cu.	Nb : Fr-Nb.	7	8	9	10	10	5	i	G	i	i	H	i	..	..	..	..	●	..	(gust S S W 18h 25m.
27	A-St : St : St-Cu.	A-Cu : St : St-Cu.	A-Cu : St-Cu.	10	10	9	–	7	0	J	i	i	–	i	i	..	●	..	–	..	..	(gust) S W 12h 5m and 13h 45m.
28	St : Fr-St.	A-St:Fr-St:St-Cu	Nb.	10	10	10	10	10	8	i	i	K	i	H	i	●	●	..	●	● 0		(gusts) S S W 12h 50m to 23h 10
Mean Cloud Am'nt.				8·1	7·9	8·5	8·7†	8·1	7·1	–	–	–	–	–	–	–	–	–	–	–	–	—

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

Note.—Observations are not taken at 15h. on Sundays, Good Friday and Christmas Day.
* Mean of 26 days. † Mean of 24 days.

528. Richmond (Kew Observatory). March, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Ci-Cu:A-St:St-Cu.	A-Cu : Fr-St.	Ci-St : A-St : Nb : St-Cu.	1	8	5	7	9	9	J	J	J	K	i	G	..	●0	..	..	●0	..	c r p *a and p* : ⌒ 14h.
2	St-Cu.	Ci : Ci-St : Fr-Cu.	Nb. : St-Cu.	1	2	7	10	10	10	J	i	K	K	J	J	..	..	..	..	●0	●	⊕ *p*.
3	A-Cu.	Ci : Ci-St : Cu.	A-Cu : St-Cu.	1	5	7	10	8	10	K	K	K	J	i	J	..	..	..	..	..	●0	c r_0 q *n*.
4	A-Cu : Nb. : St-Cu.	A-St : Nb.	A-St : Fr-Cu.	9	9	10	8	10	7	K	J	i	J	i	K	●0	●	●0	..	..	..	
5	Ci : A-Cu : Fr-St : St-Cu.	Ci : Ci-St : Nb.	A-St : Nb.	5	10	9	9	10	10	J	J	i	i	H	H	..	●0	●0	●0	●0	●	c p r q *a* : c r *p* : c r to bc *n*.
6	Ci : A-Cu : Fr-St.	Cu : St-Cu.	A-St:A-Cu:St-Cu.	6	9	9	–	9	6	J	i	J	–	i	i	..	..	..	–	..	..	
7	A-St : Nb.	A-St : Nb.	Fr-Cu : Cu-Nb.	10	10	10	9	3	1	H	i	J	i	i	i	..	●0	●0	..	..	..	●0 *n*.
8	St-Cu.	A-Cu : Cu.	A-Cu : Nb : Cu-Nb : St-Cu.	1	1	5	8	8	3	J	J	K	J	H	J	..	..	..	..	..	..	T 15h 30m : ⌒ 17h 10m.
9	St-Cu.	St-Cu.	Ci:Ci-St:Ci-Cu:St-Cu	4	10	8	10	8	9	i	H	K	K	G	G	..	..	..	●0	..	..	● ▲ ⌒ 14h 25m.
10	A-St : St-Cu.	St-Cu.	A-Cu : St-Cu.	10	8	9	8	5	9	G	G	K	i	G	G	●0	..	..	..	..	..	*early a*.
11	A-Cu : St : St-Cu.	Cu : St-Cu.	A-Cu.	9	10	7	9	8	8	E	F	K	J	G	H	..	..	..	..	..	..	*n*.
12	St : St-Cu.	St-Cu : Nb.	Nb. : St-Cu.	9	7	9	9	8	1	H	G	H	H	G	G	..	..	..	●0	..	..	*early a*.
13	A-Cu : Fr-Cu.	A-Cu : St-Cu : Cu.	St-Cu : Fr-St.	5	9	9	–	9	9	i	G	G	–	G	H	..	..	..	–	..	..	
14	A-St : St : Fr-St.	St-Cu.	St.	10	10	10	10	10	10	i	G	i	G	G	G	..	..	..	..	..	..	*early a* : g *p*.
15	St-Cu.	St-Cu.	Ci : Ci-St.	8	0	8	7	3	0	G	H	J	i	G	F	..	..	..	..	..	..	*n*.
16	Ci-St.	Ci.	Ci-St : Ci.	3	3	2	7	8	7	E	F	J	H	G	F	..	..	..	..	..	..	*early a* ; ⊕ *p*.
17	Ci : Ci-St.	Ci.	Ci : Ci-Cu.	7	5	5	4	3	9	G	i	J	J	G	G	..	..	..	..	..	●0	*early a*.
18	Ci:A-Cu:St:Fr-St.	A-Cu : Cu : St-Cu.	Ci : Cu.	7	10	8	9	7	0	J	J	K	K	H	F	..	..	..	..	..	..	●0 *p early a* : *n*.
19	Ci-St : A-St : A-Cu.	A-Cu : St-Cu.	Ci : Ci-St : St-Cu.	9	10	9	7	7	6	G	G	H	J	J	i	..	..	..	..	..	..	*a*.
20	A-St : St.	Ci : Cu : Fr-Cu.	Ci:Ci-Cu:A-St:St.	9	3	4	–	7	5	F	G	K	–	i	i	..	..	..	–	..	..	*a and n*.
21	Ci : A-St.	Ci : Ci-St.	A-St.	3	7	6	7	8	8	C	G	K	K	H	J	..	..	..	..	..	..	*early a* : ⊕ *p*.
22	A-St : St-Cu : Fr-St.	A-St : St : St-Cu.	A-St : Nb.	10	5	9	9	10	10	J	J	K	K	i	H	..	..	..	..	●0	..	q *p*.
23	A-St : A-Cu : Nb.	A-St : Nb.	Ci-St : A-Cu : Fr-Cu.	9	10	10	10	9	1	J	J	J	K	K	J	..	●0	●0	●0	●0	..	q *late a* : ≡ (gust) 13h 5m S W.
24	A-Cu : St : Nb.	A-St : Fr-St : St-Cu.	Nb : Fr-Nb.	9	9	10	10	10	9	G	J	K	J	J	J	●0	..	..	●0	●0	..	
25	A-Cu : St-Cu : Fr-Cu:Nb.	A-St : Nb : Cu-Nb.	Nb : Cu.	10	10	10	4	8	9	J	G	J	K	K	K	..	●	●	..	..	..	▲ 11h 17m and 11h 29m : ▲2 18h 10m : [☈ 12h 17m and 16h.
26	Ci : St-Cu : Cu : Nb.	Ci : Fr-Cu.	Ci : Cu-Nb.	8	8	6	6	4	<1	M	K	l	l	K	K	..	..	..	..	..	..	q p : ≡ (gusts) 11h 20m to 13h 20m
27	Ci : Ci-St : St-Cu.	Cu-Nb. : Cu : Nb.	Ci : Cu : Nb.	6	3	8	–	4	<1	K	J	K	–	i	H	..	..	..	..	..	..	●0 *p* : *n*. [(W S W.)
28	...	Cu.	Cu-Nb. : Fr-Nb.	0	0	4	7	6	<1	G	G	K	K	K	K	..	..	..	..	..	..	*a* : *n*.
29	A-St : St : Fr-Cu.	A-St : Nb.	A-St : Nb.	10	10	10	10	10	10	G	G	J	H	F	G	●0	●0	●0	●0	●0	●0	*early a*.
30	A-St : St : St-Cu.	Cu.	Cu-Nb. : Cu.	9	8	6	7	4	2	K	J	K	K	K	K	..	..	..	..	..	..	● ▲q ≡ gust (N W) 13h 45m : [▲16h 25m.
31	A-Cu : St : St-Cu.	Ci-St : Cu : St-Cu.	A-st : Nb : Fr-Nb.	9	5	10	10	10	4	J	J	J	J	H	H	..	..	..	●0	●0	..	*early a* : or to c *n*.
Mean Cloud m'nt.	—	—	—	6·7	6·9	7·7	8·2*	7·5	6·0	–	–	–	–	–	–	–	–	–	–	–	–	

529. Richmond (Kew Observatory). April, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Fr-Cu : Fr-Nb.	A-Cu : Cu : Fr-Cu.	Cu : Fr-Cu.	10	10	8	5	2	0	J	H	J	K	i	H	●0	●	..	..	..	..	q *a*.
2	Ci-St : A-Cu.	Ci-St : St-Cu : Cu.	Nb. : Fr-Nb.	1	0	10	10	10	10	G	F	K	J	G	J	..	..	..	..	●	●0	*early a* : ⊕ 11h—11h 30m.
3	St-Cu : Cu : Fr-Cu.	Ci-St : Cu.	Ci : A-St : Cu.	4	4	7	–	4	0	K	J	i	–	i	G	..	..	..	–	..	..	*n*.
4	A-St : St-Cu.	A-St : St : St-Cu.	Nb : St.	10	10	10	10	10	9	G	G	i	i	G	J	..	..	..	..	●0	●0	*early a* : ●0 *a*.
5	A-Cu : St : St-Cu.	A-Cu : St-Cu.	A-St:A-Cu:St:St-Cu	7	7	9	9	9	10	J	J	J	J	J	i	..	..	..	..	..	..	r p_0 14h : r_0 *n*.
6	A-St : Nb : St-Cu.	Ci : Fr-Cu.	Ci : A-Cu : Cu.	10	9	7	8	8	7	K	J	K	K	K	J	..	●0	..	..	..	..	⊕ *p*.
7	Nb.	Nb.	A-Cu : St-Cu : St.	10	10	10	10	7	1	G	G	G	i	G	G	●	●	●	..	..	..	c r to b x *n*.
8	Ci.	Cu.	Ci:A-St:A-Cu:Fr-Cu	<1	5	5	7	9	10	G	J	K	K	K	G	..	..	..	..	..	..	▲0 11h 10m.
9	A-Cu : Nb. : St-Cu.	A-St : Cu-Nb.	A-St : Nb.	8	9	10	10	10	9	i	i	G	F	H	G	●0	●0	..	●0	●0	..	T 12h 51m *and early p*.
10	Fr-St : Cu.	A-Cu : Nb : Cu-Nb.	A-Cu : Nb : Cu.	8	9	8	–	9	6	G	i	H	–	i	G	..	..	..	–	..	..	●0 *early a* : ● p 18h 7m and 19h 5m.
11	A-Cu : St-Cu : Nb.	A-St : Cu.	Nb.	9	1	10	10	10	8	i	i	J	J	G	i	..	..	..	●0	●0	..	*early a*.
12	St-Cu : Cu.	Cu.	St-Cu.	4	6	4	8	9	8	G	J	K	J	J	G	..	..	..	..	..	..	*early a* : Ψ *n*.
13	A-Cu.	A-Cu : Cu.	Ci : Ci-St : A-Cu.	6	6	9	7	8	10	G	J	K	J	J	J	..	..	..	..	..	..	*early a*.
14	A-St : Nb : Fr-Nb.	A-Cu : St-Cu : St.	A-St : Fr-Cu.	10	10	9	9	10	10	J	J	K	K	K	i	●0	..	..	..	..	●	c r c *a* : c *p* : c r c *n*.
15	A-Cu : St-Cu.	A-Cu : St-Cu.	A-Cu : Cu.	9	9	9	–	4	0	K	K	i	–	i	i	..	..	..	–	..	..	●0 3h 30m to 4h 20m b. b w. *n*.
16	Ci-Cu : St-Cu : St.	Ci : St-Cu.	St-Cu.	4	5	7	9	8	4	i	K	J	J	J	G	..	..	..	..	..	..	*early a and n*.
17	Ci.	Ci : Fr-Cu.	Ci : St-Cu : Cu.	<1	2	2	–	2	1	G	i	K	–	K	G	..	..	..	–	..	..	*early a* : *n*.
18	A-Cu.	Cu : St-Cu.	Ci : A-Cu : St-Cu.	1	9	7	9	9	2	G	G	i	J	J	H	..	..	..	..	..	..	●0 *early a* : *n*.
19	St.	St-Cu.	...	10	10	9	5	0	0	D	G	J	J	J	J	..	..	..	..	..	..	*early a* : *n*.
20	Ci : Ci-St.	Ci.	Ci-Cu.	2	1	5	8	7	3	G	K	K	K	K	K	..	..	..	..	..	..	*a*.
21	Ci : A-St : A-Cu.	Ci : Ci-Cu.	Ci : Ci-Cu : Ci-St.	6	7	6	7	8	1	i	J	K	K	K	K	..	..	..	..	..	..	⊕ *p*.
22	St-Cu : St.	St-Cu.	St-Cu.	9	10	7	8	3	0	J	K	K	K	K	i	..	..	..	..	..	..	*n*.
23	A-Cu : Nb. : St-Cu.	Ci : St-Cu : Cu.	Ci : Ci-Cu : A-Cu : St-Cu.	7	2	8	9	3	2	K	l	K	K	K	K	..	..	..	..	..	..	●0 6h 45m to 55m.
24	A-st : St-Cu : Fr-Cu.	A-St : Nb : Cu.	A-Cu : St-Cu : St : Fr-Cu.	10	10	10	–	9	6	K	K	J	–	J	J	..	..	..	–	..	..	r p *p*.
25	A-St : St-Cu.	St-Cu.	Fr-Cu.	9	9	10	10	8	9	J	K	K	l	K	H	..	..	..	..	..	..	● *a* : ●0 p 20h 40m.
26	Ci : Ci-Cu : A-Cu.	Cu-Nb : Cu.	Ci : Cu : Fr-Cu.	3	5	7	4	8	0	i	K	l	K	K	G	..	..	..	..	..	..	p_2 to N W.
27	A-Cu.	Ci : Cu.	Ci : A-Cu : St-Cu.	2	1	5	10	6	3	G	K	J	K	K	J	..	..	..	..	..	..	*early a*.
28	A-Cu.	Cu.	A-Cu : A-St.	2	6	7	8	7	10	G	i	K	K	K	J	..	..	..	..	..	..	*early a*.
29	St-Cu : St : Fr-St.	Cu.	Cu.	7	1	3	7	2	6	G	J	l	K	i	i	..	..	..	..	..	..	●0 p *early a*.
30	A-St : A-Cu.	Ci.	Ci.	1	1	1	1	1	0	G	J	J	J	J	J	..	..	..	..	..	..	Fine all day.
Mean Cloud m'nt.	—	—	—	6·0	6·1	7·3	7·9†	6·7	4·8	–	–	–	–	–	–	–	–	–	–	–	–	—
Day.	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
	Cloud Forms.			Cloud Amount (All Forms).						Visibility.						Precipitation.						

* Mean of 27 days. † Mean of 25 days.

530. Richmond (Kew Observatory). May, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Ci.	Ci : Cu.	Ci : Ci-Cu : A-St.	5	9	5	–	3	<1	G	G	i	–	J	i	..	..	..	–	..	..	⌊ *early a.*
2	Ci : Ci-St.	A-St : A-Cu : St-Cu : Cu.	A-Cu : St-Cu.	8	2	9	7	4	2	G	H	J	J	J	i	..	..	..	..	..	..	☂ *early a.*
3	St-Cu.	Cu.	Ci.	8	5	6	4	1	0	J	K	l	m	m	H	..	..	..	..	..	..	*n.*
4	Ci : Ci-Cu : Ci-St.	Ci-St : Cu-Nb.	A-Cu : St-Cu.	1	6	10	8	9	10	F	G	J	J	J	i	..	..	..	..	..	..	*early a.*
5	St-Cu : St.	Ci : A-Cu : Cu.	Ci-St : Ci-Cu : A-St.	9	9	4	8	8	5	G	G	J	i	i	i	..	● 0	..	..	..	..	● 0 p 8h 35m to 9h.
6	St-Cu : St : Nb.	...	Ci-St : Ci.	9	10	0	1	1	9	G	G	H	i	i	G	..	..	..	..	..	..	↖ 0 about 7h 35m : ● 0 p *early a.*
7	...	Cu.	...	0	0	<1	0	0	0	G	G	J	K	K	J	..	..	..	..	..	..	Fine all day.
8	A-St.	Ci.	...	1	0	2	–	0	0	i	i	i	–	J	J	..	..	..	–	..	..	☂ *early a* : Fine all day.
9	A-Cu.	Ci.	...	2	0	1	1	0	0	G	G	J	K	K	G	..	..	..	..	..	..	☂ *early a* : Fine all day.
10	St-Cu.	St-Cu.	St-Cu.	8	9	10	10	9	8	i	J	J	J	J	J	..	..	..	..	..	..	
11	St-Cu : Cu.	Fr-Cu.	St-Cu.	6	6	4	2	1	1	J	J	K	J	J	G	..	..	..	..	..	..	
12	...	Cu.	A-Cu : St-Cu.	0	4	6	5	8	10	G	J	J	J	J	J	..	..	..	..	..	..	⌊ *early a.*
13	A-Cu : St-Cu : St.	Ci : Cu : St-Cu.	A-Cu : Cu.	9	8	7	8	4	8?	J	K	K	J	J	G	..	..	..	..	..	..	
14	Ci-St : A-Cu : St-Cu.	A-St : St-Cu : Cu.	Ci-Cu : Ci : Fr-Cu.	5	7	10	10	7	9	J	J	J	J	J	J	..	..	..	..	..	..	⊕ *a.*
15	Fr-Nb.	Ci-St : A-Cu : Cu : C-uNb.	A-Cu : A-St : St : St-Cu.	10	10	8	–	9	10	J	i	K	–	K	J	● 0	..	..	–	..	..	c r c *a* : c r p to bc *p* : ⌢ 16h 25m c *n*
16	A-St:Fr-Cu:St-Cu.	A-St : Fr-Nb.	Ci-Cu:A-Cu:Fr-Cu:St-Cu.	9	10	10	9	7	7	J	J	J	K	K	J	..	..	● 0	..	..	..	r p 10h 55m to 11h 5m.
17	St-Cu.	Cu.	Fr-Cu.	3	4	5	7	4	1	G	J	K	J	i	G	..	..	..	..	..	..	● 2 *early a.*
18	A-Cu.	Cu.	Ci-St.	1	1	7	4	2	1	G	J	J	J	J	H	..	..	..	..	..	..	☂ *early a.*
19	A-Cu : St-Cu.	Cu.	Ci.	8	9	1	8	4	4	F	G	J	J	J	G	..	..	..	..	..	..	☂ *early a.*
20	Ci-St:A-Cu:St-Cu.	Ci : Cu.	A-St.	4	0	6	7	10	8	G	J	K	K	K	J	..	..	..	..	..	..	⊕ *p.*
21	Fr-Cu : St-Cu.	Ci:Nb:St-Cu:Cu.	Ci:A-Cu:Nb:St-Cu.	10	8	9	7	9	4	J	K	K	K	K	J	..	● 0	..	..	●	..	k q 9h 30m : T 17h 48m
22	St-Cu : Fr-Cu.	A-Cu : Cu : St-Cu.	Cu.	10	8	5	–	3	1	J	K	J	–	J	G	..	..	..	–	..	..	r p_0 *a.*
23	...	Ci : Cu.	A-Cu : St-Cu.	0	2	3	7	9	7	i	K	l	K	J	J	..	..	..	..	..	..	⊕ p.
24	A-Cu : St-Cu.	Ci-Cu : Cu.	Cu : St-Cu.	4	2	5	5	6	2	i	K	l	K	K	K	..	..	..	..	..	..	Fine all day.
25	A-Cu.	St.	St-Cu.	3	9	10	7	10	10	G	H	H	G	G	J	..	..	..	..	..	..	☂ *early a.*
26	Ci : St-Cu : Fr-Cu.	Cu.	A-Cu : A-St : Fr-Cu.	7	6	3	<	8	10	G	H	J	J	K	i	..	..	..	..	..	..	c to o r *n.*
27	A-St : Nb : Fr-Nb.	A-St : Nb.	Nb.	10	10	10	10	10	8	G	G	G	F	F	F	●	●	●	● 0	● 0	..	g *p.*
28	Cu : Fr-Cu.	A-Cu : Cu : St-Cu.	A-Cu : Cu.	3	8	8	8	3	4	G	J	K	K	J	G	..	..	..	..	..	..	☂ *early a and n.*
29	...	Ci : Cu.	Ci-St : A-Cu : St-Cu.	0	6	7	–	7	10	G	J	K	–	K	i	..	..	..	–	..	..	☂ *early a.*
30	...	Ci : A-Cu : Cu.	A-St : St : St-Cu.	0	7	6	9	10	10	G	i	J	J	H	G	..	..	..	..	● 0	..	☂ *early a.*
31	A-Cu : A-St : St.	A-St : St-Cu.	A-Cu.	7	9	9	9	5	10	G	G	G	G	G	G	..	..	..	..	..	..	● 0 *a.*
Mean Cloud Am'nt.	—	—	—	5·2	5·9	6·0	6·2*	5·5	5·5	–	–	–	–	–	–	–	–	–	–	–	–	—

531. Richmond (Kew Observatory). June, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St.	Ci : Ci-St : A-Cu.	10	10	10	10	7	10	F	G	G	G	J	G	..	..	..	..	..	..	
2	St.	Ci : St-Cu.	A-Cu : St.	9	7	9	9	8	8	D	G	G	H	H	G	..	..	..	..	..	..	☂ *early a.*
3	Ci : Ci-St : A-Cu.	A-Cu : Cu.	Cu : Nb.	7	7	7	3	6	1	i	J	K	K	K	K	..	..	..	..	..	..	● 0 p 17h 28m.
4	Cu.	A-Cu : Cu : St-Cu.	A-Cu:Cu:Nb:St-Cu.	1	7	8	9	9	4	i	J	K	K	K	K	..	..	..	..	..	..	● 0 p *p.*
5	Ci-St ; Cu.	A-Cu : A-St : Cu.	A-St : Cu : Nb.	3	6	9	–	9	10	J	J	K	–	K	J	..	..	..	–	● 0	● 0	b to c y *a* : ● 0 at 17h 45m.
6	St-Cu : Cu : Nb.	Ci : A-Cu : Cu : Nb.	Ci-Cu:Ci:Nb:St-Cu.	7	9	9	9	9	9	K	J	K	K	K	J	..	● 0	..	● 0	..	..	● p *a and p* : ⌢ 17h 30m.
7	St-Cu:Fr-Cu:St-Cu.	A-St : St-Cu.	St : Fr-St.	8	10	10	9	10	10	i	K	K	K	J	G	..	● 0	..	..	..	●	
8	St-Cu.	A-Cu : Cu.	A-Cu : Cu.	8	9	8	7	6	2	i	K	K	K	K	K	..	..	..	..	..	..	● *early a* : c u, c y *a* : ⌓ *n.*
9	A-Cu : St-Cu.	Ci : St-Cu : Cu.	Ci-St : A-Cu : St-Cu.	3	8	7	8	8	3	i	K	l	K	K	i	..	..	..	..	..	..	☂ *early a* : y *p.*
10	A-Cu : St-Cu.	A-Cu : St-Cu.	A-Cu : St.	7	8	10	10	9	10	H	H	J	J	i	i	..	..	..	..	..	..	
11	Ci-St : St-Cu : Fr-St.	A-Cu.	A-St : A-Cu : St-Cu.	8	8	9	10	9	5	J	i	J	J	J	i	..	..	..	..	..	..	
12	A-St : St.	Cu : Fr-Cu.	Cu.	10	6	7	–	4	2	i	i	i	–	J	G	..	..	..	–	..	..	
13	...	Ci.	Ci : Ci-Cu.	0	0	1	1	3	7	G	H	J	J	J	J	..	..	..	..	..	..	☂ *early a* : y *p.*
14	A-St : St.	A-St : A-Cu : Cu-Nb	A-Cu:Fr-St:St-Cu.	10	8	10	10	9	10	G	G	i	H	H	i	..	..	..	..	..	..	● 0 15h 5m and 16h 15m.
15	Cu : Fr-Cu.	Ci.	Ci : Ci-St.	6	4	3	8	8	9	i	J	J	K	K	i	..	..	..	..	..	..	
16	St.	Ci.	Ci : Ci-St : Fr-Cu.	10	2	2	6	9	8	i	i	J	K	J	i	..	..	..	..	..	..	y *p.*
17	A-St : Fr-St : Cu.	A-St : Nb : Fr-Nb.	St-Cu : Fr-Cu.	9	10	10	9	7	3	J	J	K	K	K	K	..	●	..	..	..	..	c d c r *a* : ● 0 p 17h to 18h 35m :
18	A-St : Cu : Fr-Cu.	Ci : Cu : Nb.	A-Cu:A-St:Nb:Cu.	3	7	9	10	10	10	K	K	l	l	K	i	..	..	..	..	● 0	● 0	c p c r from 10h 30m. [⌢ 18h 30m
19	Cu : Fr-Cu.	A-Cu : Cu : St-Cu.	A-Cu:St-Cu:Cu:Nb.	3	8	7	–	6	4	l	K	K	–	K	K	..	...	..	–	..	..	c p *p* : ⌢ 17h 55m.
20	A-Cu : Cu.	St-Cu.	A-Cu : St-Cu : Cu.	5	7	9	9	9	9	J	K	l	l	l	K	..	..	..	..	..	..	☂ *early a.*
21	A-Cu : St-Cu : St.	A-St : A-Cu : Nb : St : Cu.	A-Cu:St:Nb:Fr-St.	7	9	10	10	9	8	l	l	l	K	K	K	..	..	● 0	● 0	..	..	● 0 p 5h 50m : 9h 5m : ● p.
22	A-St : Cu.	Cu.	Ci : Cu.	3	2	4	5	6	5	K	l	l	l	l	K	..	..	..	..	..	..	☂ *early a.*
23	Cu-Nb : Cu.	St-Cu · Cu.	Ci-Cu:A-Cu:Fr-Cu.	6	3	8	9	7	6	K	l	l	l	K	K	● 0	..	..	..	..	..	● 3h 50m to 5h 10m : ● 0 p 6h 57m
24	A-St : Fr-Nb.	St-Cu : Cu.	A-Cu : Fr-Cu : Nb.	10	10	8	7	9	9	J	J	l	l	l	K	●	●	..	..	..	●	bc y c *p* : c r to bc *n.* [⌢ 19h 30m
25	A-Cu : Cu : Fr-Cu.	A-St:St-Cu:Fr-Cu.	A-St : Nb : St-Cu.	2	5	10	10	10	10	J	J	K	K	J	J	..	..	..	..	●	●	● 0 16h 50m : c r c *n.*
26	A-St:St-Cu:Fr-Cu.	St-Cu : Cu : Cu-Nb.	A-Cu : St-Cu : Nb.	9	10	6	–	6	4	l	l	K	–	J	J	..	● 0	..	–	..	..	c r to bc *a* : bc r p t *p* : T 15h 15m.
27	A-Cu : A-St : St-Cu : Nb.	A-Cu:A-St:Nb.:Cu.	Nb : St.	9	9	9	9	10	9	G	J	K	K	J	G	● 0	..	..	● 2	●	..	☂ *early a.*
28	A-Cu:St-Cu:Fr-Nb.	Ci : Cu : Nb.	Ci-St : A-Cu : St-Cu.	10	9	7	9	9	6	i	J	K	J	J	i	● 0	..	..	..	..	..	↖ p : bc to o r *n.*
29	Ci : Ci-Cu : Cu.	A-St : St-Cu.	A-St : Nb.	4	9	9	10	10	9	G	K	K	K	J	i	● 0	..	..	..	● 0	● 0	
30	A-St : Nb.	Ci : A-St : A-Cu : Cu.	Ci : Cu.	10	9	9	9	6	7	E	E	K	K	m	K	●	● 0	..	..	..	..	⊕ *p.*
Mean Cloud Am'nt.	—	—	—	6·6	7·2	7·8	8·3*	7·9	6·9	–	–	–	–	–	–	–	–	–	–	–	–	—

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

* Mean of 26 days.

532. Richmond (Kew Observatory). **July, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-St : Nb.	Ci : A-St : Nb : Cu.	A-St : Nb : Cu.	10	10	9	9	9	5	G	G	J	J	J	i	●	●	●0	..	●0	..	
2	St. : Fr-St : St-Cu.	A-St : St-Cu.	St : St-Cu.	10	10	10	10	10	6	J	J	J	J	J	G	..	..	..	..	..	..	●0 13h 50m and 14h 45m.
3	Ci-Cu : A-Cu : Cu.	Ci : St-Cu.	St-Cu : Fr-Cu.	6	8	9	–	8	10	J	K	l	–	l	K	..	..	..	–	..	..	early a : ●0 n.
4	A-St : Fr-Cu.	Ci : Ci-Cu : Cu.	Ci : A-Cu : Fr-Cu.	10	10	8	8	7	2	K	K	l	m	m	K	..	..	..	..	..	..	n.
5	Ci:A-Cu:Cu:St-Cu.	St-Cu.	Ci : A-St.	8	6	9	9	9	2	i	K	l	l	l	l	..	..	..	..	..	..	early a : T 6h 20m : c p : b n.
6	Ci : Cu.	A-Cu : Cu.	A-St:A-Cu:Fr-Nb.	6	8	9	9	10	10	i	J	K	K	K	i	..	..	..	..	●0	●0	b c w to c y a : c y to c r p : c r n.
7	A-St : St-Cu.	Ci : A-Cu : Nb : Cu.	Ci : Cu.	9	8	8	7	2	2	i	K	l	K	l	K	..	..	●0	..	..	..	c to b p : b w to c f n.
8	A-Cu : Cu.	Ci : Cu-Nb.	A-St : Cu-Nb.	2	2	6	5	9	9	G	G	J	K	J	J	..	..	..	..	..	..	c f w to b c y : a.
9	St.	A-St:A-Cu:Fr-Nb.	Ci : Ci-Cu : Cu.	10	10	9	8	7	4	G	G	i	J	K	i	●0	●2	●0	..	..	..	c bc p and n.
10	Ci : A-Cu : Fr-Cu.	Cu.	Ci : Cu.	6	2	6	–	7	6	i	i	J	–	K	i	..	..	..	–	..	..	early a : L 21h 40m.
11	Ci.	Cu-Nb.	Ci : A-Cu.	8	8	9	10	2	8	G	H	H	G	J	F	..	..	●	●2	..	..	early a : ⍂ p : c m w n.
12	St.	St.	St-Cu : St.	10	10	10	10	9	10	F	F	H	H	i	G	..	..	..	..	..	..	early a and n.
13	St.	St.	St.	10	10	10	10	10	10	G	G	G	G	G	G	..	..	..	..	..	..	o m to o m d a, p and n.
14	Nb : St.	A-St : Nb.	A-St : Nb.	10	10	10	10	10	10	i	G	i	i	G	G	●0	●	●0	●0	●0	●0	
15	A-St : Nb.	St-Cu.	Ci : St-Cu : Cu.	10	9	10	8	5	7	G	i	J	K	J	J	●0	..	..	..	..	..	●0 early a : ●0 p 6h 55m—7h.
16	A-St : Fr-Nb.	A-St : St-Cu.	A-St:St-Cu:Fr:Cu.	10	10	10	10	9	9	i	i	J	i	J	i	●0	..	..	●0	..	..	c d c a : c r c p : c n.
17	A-St:Fr-Cu:St-Cu.	A-St : St.	A-St : Fr-Cu : St.	10	10	10	–	9	8	J	i	J	–	J	J	..	..	..	–	..	..	●0 8h 20m to 40m, 12h 30m to 35m.
18	Ci : Fr-Cu.	St-Cu.	A-Cu.	2	0	9	5	3	10	G	J	K	K	J	i	..	..	..	..	..	..	early a : bc y p.
19	St-Cu : St.	St-Cu.	Fr-Cu.	10	10	6	2	1	5	H	H	H	H	i	G	..	..	..	..	..	..	early a.
20	A-St : St-Cu.	A-St : St.	A-Cu : A-St : St.	10	10	10	9	9	9	G	G	G	H	H	H	..	..	..	..	..	..	●0 11h 30m—40m : c r c n.
21	A-St : Fr-Cu : St.	A-St : Nb.	A-Cu:St-Cu:Cu-Nb.	10	10	10	10	9	7	i	J	K	K	K	K	..	..	●	..	●	..	c bc n.
22	A-Cu:A-St:Fr-Cu.	A-Cu : Cu.	A-Cu : St-Cu : Cu.	9	9	6	9	7	9	K	K	K	K	l	K	..	..	..	..	..	..	● p 9h 25m—28m : q p.
23	A-Cu : A-St : Cu.	A-Cu : St-Cu.	A-Cu : St-Cu.	7	5	9	9	9	9	K	l	l	l	K	K	..	..	..	..	..	..	● p 15h 15m : c bc n.
24	A-Cu : St-Cu.	A-St : Cu.	A-Cu:Fr-St:St-Cu.	7	6	10	–	9	8	K	l	K	–	K	K	..	..	..	–	..	..	●0 p.
25	Ci : Cu : St-Cu.	Cu.	Ci-Cu : Fr-Cu.	9	5	4	3	2	7	i	K	l	l	l	K	..	..	..	..	..	..	early a : b y p : bc c n.
26	A-Cu:A-St:Fr-St.	Ci-St:A-Cu:St-Cu.	St-Cu : Fr-Cu.	10	9	10	9	7	6	J	K	K	l	l	K	..	..	..	..	..	..	●0 9h 47m : c b c y p : b to c r n.
27	Fr-Nb : Cu.	Ci-St:A-Cu:Cu-Nb.	Ci : St-Cu : Nb.	9	9	7	5	9	9	i	K	l	l	K	K	..	●0	..	..	●0	..	c r c p a : T 12h 10m : c p to bc p : c r c n.
28	St-Cu : Nb.	A-Cu : A-St : St-Cu : Cu.	A-Cu : Nb : St-Cu.	7	6	9	9	9	6	K	K	K	m	m	K	..	..	..	..	..	..	● p 12h 22m and 14h 30m : () p.
29	Cu.	St-Cu.	St-Cu : Cu.	4	9	9	9	9	10	i	K	K	l	l	K	..	..	..	..	..	..	
30	A-Cu:Fr-Cu:St-Cu.	A-St:St-Cu:Fr-Cu.	Ci : Cu.	9	9	10	10	7	7	J	J	J	J	K	J	..	..	..	..	..	..	cd0 p : p n.
31	A-St : Fr-St.	A-Cu : Cu.	Ci : A-Cu : Cu.	10	7	8	–	6	9	K	J	l	–	l	K	..	..	..	–	..	..	p a.
Mean Cloud Am'nt.	—	—	—	8·3	7·9	8·7	8·2*	7·4	7·4	–	–	–	–	–	–	–	–	–	–	–	–	—

533. Richmond (Kew Observatory). **August, 1927.**

1	A-St.	A-St : St-Cu.	A-St : Nb : Cu-Nb.	10	10	10	10	10	7	K	i	i	J	i	i	..	●0	●0	●0	●0	..	bc b w n.
2	Fr-Cu.	Cu.	Ci : Cu.	2	5	3	7	7	2	G	i	K	K	K	K	..	..	..	..	..	..	early a : b y p.
3	Ci.	Cu.	A-Cu : Cu.	2	0	2	3	2	2	G	G	J	K	K	J	..	..	..	..	..	..	early a : b y p.
4	A-Cu : A-St.	Ci.	Ci.	7	2	6	6	2	2	F	G	J	K	J	i	..	..	..	..	..	..	a : b y p.
5	St.	A-Cu.	A-St : Fr-Cu.	10	7	6	10	10	9	F	F	i	H	i	G	..	..	..	..	..	..	c p p : L 22h.
6	A-Cu : St : Cu.	St-Cu.	A-Cu : St-Cu.	4	7	8	8	10	10	F	G	J	J	J	J	..	..	..	..	..	..	● p early a : ●0 p 18h 35m, 19h 37m.
7	A-St : Fr-Nb.	Ci : Cu : Fr-Cu.	Ci : A-Cu : Cu.	10	10	7	–	3	3	J	J	l	–	l	K	●	●0	..	–	..	..	L in E 21h 30m—22h : ⍀ 22h.
8	A-St : Nb : Fr-Nb.	Ci-St : Ci : Cu.	Ci : Cu.	10	10	6	5	2	2	G	G	K	l	l	K	●	●	..	..	..	..	bc b p : b to c r n.
9	A-Cu : Nb : Cu-Nb.	A-Cu : Cu : St-Cu.	Ci : Cu.	7	9	6	8	5	2	J	K	K	l	l	K	..	..	..	..	..	..	● early a : ●0 p 11h 25m : b to c r p n.
10	Ci-Cu : A-Cu : Fr-St.	Ci-Cu : Cu.	A-Cu : Cu.	7	10	6	4	3	2	J	K	l	l	l	K	..	..	..	..	..	..	● p 4h 55m and 11h 15m.
11	Ci : St-Cu.	A-Cu : Cu.	St-Cu.	2	9	6	9	8	7	K	K	l	l	K	K	..	..	..	..	..	..	p early a.
12	A-Cu : St : Fr-St.	A-Cu : Cu : Fr-Cu.	A-St : Nb : Fr-Nb.	8	9	6	9	9	9	J	K	K	K	K	K	..	..	..	..	..	..	c p bc a : c p p : c p to bc n.
13	Ci : A-Cu : Cu.	St : Fr-Nb.	Fr-St : Nb.	4	6	10	10	10	10	K	K	H	J	J	J	..	..	●	●0	..	..	
14	Ci : A-Cu : St-Cu.	Cu : Nb : St-Cu.	A-Cu : St : St-Cu.	8	6	9	–	7	1	K	l	l	–	l	l	●0	..	..	–	..	..	c r p to bc a : ●0 p 16h 55m : [⌒ 18h 43m.
15	St-Cu.	A-St : Nb.	A-St : Fr-St : Nb.	9	10	10	10	10	10	l	J	J	J	J	J	..	..	●	●0	●0	●	
16	A-St : A-Cu : St.	A-St : St.	A-St : Nb : Fr-Nb.	9	9	10	10	10	8	i	J	J	J	H	G	..	..	●0	..	●	..	●2 15h 28m.
17	Ci : A-Cu.	Cu.	Ci-St.	2	2	5	5	9	6	i	J	l	l	l	J	..	..	..	..	..	..	p early a : bc y c p.
18	A-St : Fr-St : Nb.	Cu.	Ci : Ci-Cu : Cu.	10	10	4	4	5	5	G	G	l	l	l	i	..	●0	..	..	..	..	o r to bc y a : bc to c r n.
19	Ci : St-Cu : Cu.	A-St : A-Cu : Nb.	A-Cu.	3	9	10	8	3	1	G	i	i	J	K	J	..	..	●0	..	..	..	● till 1h 5m : ● 9h 15m to 10h 10m :
20	A-St.	Fr-Nb.	A-St : St-Cu : Fr-St.	10	10	10	10	10	8	K	J	i	K	K	K	●	●	●	..	..	..	● p 22h 30m to 23h. [b w n.
21	Ci : A-Cu : Fr-Cu.	Ci : A-St : A-Cu : Cu.	Ci:Ci-Cu:Cu-Nb:Cu.	7	9	8	–	5	2	J	K	K	–	K	K	..	..	..	–	●0	..	●0 6h 15m : ● 13h 3m to 13h 30m : [● p 23h 10m.
22	A-Cu : Cu.	Fr-Cu.	Nb : Fr-Cu.	7	7	5	9	9	6	K	J	K	K	K	J	..	..	..	..	..	..	● p a : ⍀ gusts (S W) 9h 35m to [16h 35m : c bc n.
23	A-St : St : St-Cu : Fr-St.	A-Cu : Cu.	Ci-Cu : A-Cu : Cu.	9	8	4	5	4	3	J	K	l	K	K	J	..	..	..	..	..	..	●0 p 4h 50m : bc y, p.
24	Ci : Ci-St.	Ci-St : Cu-Nb.	A-St : Cu-Nb.	2	2	9	10	9	7	G	J	K	K	K	K	..	..	..	●	●	..	p early a : c r, r t l h, p : c t l r to [bc n.
25	A-St : A-Cu : Nb : Fr-Nb.	Ci-St:A-Cu:Cu-Nb.	Ci-St:A-Cu:Cu-Nb.	10	10	7	9	7	1	G	G	J	J	i	G	●0	..	..	●	..	..	⍂ 15h 40m. ●2 15h 40m to 16h : b, [b f w, n.
26	A-Cu.	A-St: A-Cu: St-Cu: Fr-Cu.	St-Cu : Fr-Cu : St.	4	9	10	10	10	6	G	J	K	K	J	i	..	..	..	..	..	..	b f w early a.
27	Ci : Ci-Cu : St-Cu.	Ci : Fr-Cu.	Ci : A-Cu : Fr-Cu.	6	9	8	8	8	1	K	l	l	K	K	K	..	..	..	..	..	..	c y, p : p n.
28	Ci-Cu : St-Cu.	Ci : Ci-St : Fr-Cu.	Ci : Ci-Cu : St-Cu.	9	8	7	–	7	1	K	K	K	–	K	K	..	..	..	–	..	..	bc y to b w, p.
29	Ci : Ci-St.	Ci : Cu.	Ci-St : Ci.	7	4	3	2	5	6	F	H	J	J	J	J	..	..	..	..	..	..	⊕ early a and 18h.
30	A-St : St : Fr-St.	A-Cu.	A-Cu : St.	9	9	9	9	9	9	G	G	i	H	i	i	..	..	..	●	..	..	● p, 14h 55m to 15h 3m.
31	St.	A-Cu.	Ci-Cu : Ci.	10	10	8	3	1	0	F	F	G	H	G	G	..	..	..	..	..	..	b v, p : b m w, n.
Mean Cloud Am'nt.	—	—	—	6·9	7·6	7·0	7·4†	6·7	4·8	–	–	–	–	–	–	–	–	–	–	–	–	—

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

* Mean of 26 days. † Mean of 27 days.

534. Richmond (Kew Observatory). — September, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St-Cu.	A-Cu : St-Cu.	10	10	10	10	10	2	G	i	J	J	i	J	●0	●0	..	..	..	..	b w, *n.*
2	St.	Cu.	Ci-St : A-St : Cu.	10	1	5	7	4	9	D	G	J	J	J	i	..	..	..	..	..	..	p *a and n.*
3	St.	A-St : St.	A-Cu : St-Cu.	10	10	10	9	9	10	F	G	H	H	H	J	●0	..	..	..	..	..	
4	A-St : St.	A-St : Fr-St.	A-St : St : Fr-St.	10	10	10	–	10	10	H	H	H	–	i	i	..	..	..	–	..	..	
5	St.	A-St : St.	St-Cu.	10	10	10	7	4	10	F	G	i	H	H	H	..	..	..	..	..	..	p *a.*
6	St : St-Cu.	Nb.	St.	8	10	10	10	10	9	G	i	G	F	F	i	..	..	●0	●	..	..	≡ 16h : ●0 22h.
7	A-St : St : Fr-St.	A-Cu : Cu.	Cu.	9	8	5	4	1	1	i	K	K	K	K	i	..	..	..	..	..	..	b c y, b y, *p* : b w, *n.*
8	Ci : St-Cu.	A-St : St-Cu.	Nb.	2	9	10	10	10	10	G	K	l	H	J	J	..	..	..	●0	..	..	c d, c r, c, *p* : c c w *n.*
9	Ci : Cu : St-Cu.	A-Cu : Cu.	A-St : St-Cu : Nb.	8	7	8	10	10	2	K	K	l	K	K	K	..	..	..	●0	..	..	p *early a* : c y to c r, *p* : b w *n.*
10	A-St : Nb.	A-Cu : Fr-Cu : Cu.	A-Cu : Nb.	10	10	9	8	9	7	F	F	i	K	i	J	●	●	..	..	●	..	c u, c r *p* : ⌈ 18h 5m.
11	A-Cu.	Ci:A-Cu:St-Cu:Nb.	St-Cu : Cu-Nb.	2	8	8	–	7	3	H	i	J	–	i	H	..	..	..	–	..	..	●0 p 13h 10m : b c, b w, *n.*
12	St-Cu.	A-Cu : Cu.	A-Cu.	4	<1	5	4	1	9	G	J	J	K	H	F	..	..	..	..	..	..	p *a* : b y *p.*
13	St-Cu.	A-St : St-Cu.	A-St : Nb.	9	9	10	10	10	10	i	i	K	H	H	i	..	..	..	●	●0	●	a : ●0 10h 12m.
14	Ci-St : A-St : St-Cu.	A-St : Nb.	A-St : Nb : Cu-Nb.	9	8	10	10	10	10	H	J	J	G	F	G	..	..	●0	●	●	●	●0 10h 45m.
15	A-St : Nb.	A-St : Cu-Nb : Cu.	Ci-St:A-St: Cu-Nb.	10	9	9	10	9	9	H	G	K	K	H	G	●0	..	..	..	..	..	● to 8h : ●0 p 11h and 12h 42m : u to [N & N W 18h.
16	A-Cu : St.	A-St : St-Cu : St.	St : St-Cu.	9	9	10	9	9	9	G	G	H	H	G	G	..	..	..	●0	●0	..	c ●0 and c *a and n.*
17	Nb.	Cu.	Ci : Cu.	10	9	3	2	5	4	G	i	K	J	i	i	●0	●0	..	..	..	..	b c y to b, *p* : c w, c r *n.*
18	A-St.	Cu.	Ci-St:A-Cu:St-Cu.	9	8	6	–	6	4	K	J	l	–	i	i	●0	..	..	–	..	..	b c, *p* : b c w, c r, *n.*
19	St : St-Cu.	A-St : Fr-Cu.	Ci : Ci-Cu : A-St.	10	9	9	9	7	3	J	i	K	K	K	K	..	..	..	..	..	..	⊕ *p.*
20	A-St : Nb : Fr-Cu.	Ci-St:St-Cu:Fr-Cu.	A-St : St : St-Cu.	10	10	10	10	9	10	J	i	K	K	J	J	●0	..	..	..	..	..	c r_0 c *a and p.*
21	A-St:Fr-St:St-Cu.	St-Cu.	St-Cu.	9	10	10	10	10	10	K	J	K	K	K	K	..	●0	..	..	..	..	●0 *n.*
22	Fr-Nb.	Nb : Cu-Nb.	A-Cu : Nb : Cu-Nb.	10	10	10	9	6	0	J	J	i	J	J	J	●0	●0	..	●	..	..	●0 p, *p.*
23	St-Cu.	Nb : St-Cu.	A-St : Nb : Fr-Nb.	<1	1	10	10	10	5	l	K	J	G	i	J	..	..	..	●	●	●	●0 *early a* : ●0 12h 50m.
24	St-Cu.	Cu : Fr-Cu.	St-Cu.	1	1	5	3	8	1	J	K	K	K	K	K	..	..	..	..	..	..	y, *p* : ●0 p 18h 10m.
25	Ci : Ci-Cu : Cu.	Ci-St : Ci : Cu.	A-Cu : Nb : Cu-Nb.	3	7	7	–	9	8	K	i	l	–	i	i	..	..	..	–	●	..	p a : ●0 p *p* : ⌢ 15h.
26	A-Cu : Cu.	Ci : Cu-Nb.	Ci : A-St : Cu-Nb.	3	2	6	4	3	0	J	J	J	J	G	i	..	..	●0	..	..	..	*early a* : ●0 p *a and p* : ⌢ 15h.
27	St.	A-Cu : Cu.	St : St-Cu.	10	0	4	9	9	0	B	E	J	i	G	C	..	..	..	●0	..	..	*a.*
28	St.	Ci-St : St-Cu.	Ci : Ci-Cu.	10	10	9	8	6	2	B	C	i	J	H	J	..	..	..	..	..	..	*a.*
29	A-St : St-Cu : St.	A-St : Nb : St-Cu.	Ci : St-Cu.	9	10	10	10	7	0	J	K	H	H	H	H	..	..	●	●	..	..	●0 7h 30m.
30	..	Cu.	A-St:St-Cu:Fr-Cu.	0	1	5	7	9	9	G	H	K	K	G	J	..	..	..	..	..	..	p[2] *early a* : y *p* : ● p 15h 35m : ⌢ [16h.
Mean Cloud Am'nt.	—	—	—	7·5	7·2	8·1	8·0*	7·6	5·9	–	–	–	–	–	–	–	–	–	–	–	–	—

535. Richmond (Kew Observatory). — October, 1927.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	A-St:St-Cu:Fr-Cu.	A-St : Nb.	A-St : Nb.	10	10	10	10	10	10	K	J	i	i	G	i	..	●0	●	●0	●0	●0	●0 7h 15m : q *p.*
2	Fr-Cu : St-Cu.	St-Cu.	A-Cu : Cu-Nb.	10	10	9	–	9	0	K	J	K	–	J	K	..	●0	..	–	..	..	● 16h 50m to 17h 25m : ⌢ 17h 25m.
3	A-Cu.	...	...	1	0	0	0	0	2	i	H	J	i	E	E	..	..	..	..	..	..	*a* : y, *p.*
4	St.	...	...	10	10	0	0	0	10	B	B	G	F	C	A	..	..	..	..	..	..	*a and n.*
5	St.	...	...	10	10	0	0	0	10	B	B	D	E	B	A	..	..	..	..	..	..	*a, p and n.*
6	St.	...	A-Cu.	10	10	0	1	6	0	B	B	G	i	F	B	..	..	..	..	..	..	*a.*
7	St.	A-Cu.	A-Cu.	10	0	5	9	8	10	D	D	E	D	C	A	..	..	..	..	..	..	*a, p and n.*
8	St.	...	St-Cu.	10	0	0	8	8	9	B	E	G	G	G	G	..	..	..	..	..	..	f cleared by 9h 45m.
9	Ci-St : A-Cu : Cu.	...	...	3	4	0	–	0	0	G	G	G	–	G	F	..	..	..	–	..	..	*a and n.*
10	St.	...	...	10	10	0	0	0	0	B	B	E	F	F	A	..	..	..	..	..	..	*a and n.*
11	St.	St.	...	10	10	5	2	0	8	D	F	i	H	E	F	..	..	..	..	..	..	p *a and n.*
12	A-St : St.	St-Cu.	St-Cu.	10	10	10	10	10	10	G	G	G	G	G	G	..	..	..	..	..	..	
13	A-St : Fr-Nb.	St.	St-Cu.	10	10	10	9	9	10	G	G	G	G	G	E	●0	..	..	..	..	..	●0 23h 15m to 55m.
14	St.	A-Cu : St-Cu.	A-Cu : St-Cu.	10	10	8	9	9	10	E	G	H	H	G	i	..	..	..	..	..	..	●0 0h 5m : ● d 1h 20m.
15	A-Cu : St : St-Cu.	A-Cu : St-Cu : Cu.	St-Cu	6	9	6	9	9	10	G	H	H	G	G	G	..	..	..	..	..	..	p *a* : u in S E *p.*
16	A-Cu : St-Cu : St.	A-Cu : Cu.	A-Cu : St-Cu : Cu.	9	8	9	–	8	9	G	G	i	–	G	H	..	..	..	–	..	..	p *a and n.*
17	St-Cu.	A-St : St-Cu.	Fr-Cu : St-Cu.	9	9	10	10	7	0	i	J	J	i	G	J	..	..	..	..	..	..	
18	Ci-Cu : St-Cu.	A-Cu : St-Cu.	St-Cu.	1	9	9	8	9	8	G	H	i	i	F	G	..	..	..	..	..	..	⌊ *early a* : p *a and n* : y, *p.*
19	A-St : Cu.	A-Cu : Fr-Cu.	A-Cu : St-Cu.	9	9	4	9	2	8	i	H	J	i	i	J	..	..	..	..	..	..	●0 p *a and p* : p *n.*
20	Ci : Ci-Cu : A-Cu.	Ci-Cu : Ci-St : Cu.	Ci : Ci-St : St-Cu.	6	5	8	8	8	0	G	G	J	J	H	F	..	..	..	..	..	..	p *a and n* : ⊕ *p.*
21	A-Cu : St : St-Cu.	St.	St-Cu.	9	9	10	9	9	3	D	D	F	G	E	G	..	..	●0	..	..	..	p *a and n.*
22	A-St : Nb.	A-St : Nb.	A-St : Nb : St-Cu.	10	10	10	10	9	1	i	G	G	G	H	J	●	..	●	●	..	..	●0 1h.
23	St.	A-St : St : Fr-Cu.	St : Fr-Cu.	10	10	9	–	10	6	i	i	G	–	i	J	●0	●0	..	–	..	..	i ●0 *a and p.*
24	St.	Ci : Cu.	Ci-St : St-Cu.	8	<1	5	9	2	7	B	D	i	H	F	i	..	..	..	..	..	..	⌊ *early a* : p *a.*
25	Fr-St.	St-Cu.	St-Cu.	10	10	10	10	10	10	J	i	J	J	J	J	..	..	..	..	..	..	●0 5h 30m.
26	Fr-Nb.	St : St-Cu.	Nb.	10	10	10	10	10	10	J	J	J	i	J	J	●0	..	..	●0	●0	●0	
27	Fr-Nb. : Cu-Nb.	Fr-St : St-Cu.	Nb.	9	10	10	10	10	10	K	K	K	G	G	i	●0	..	..	●	●	●	≋ (gusts) S W 5h to 10h 30m.
28	Fr-Nb.	A-Cu : Fr-Nb.	Ci-St.	10	10	10	7	7	3	i	i	J	K	J	J	●0	●0	..	..	..	..	⊕ *p* : ●0 p 19h 10m : ≋ (gusts) S W from 18h.
29	Ci-Cu.	Ci : A-Cu.	A-St : St-Cu.	1	1	6	8	10	7	K	J	J	J	H	i	..	..	..	..	..	..	≋ (gusts) S W till 3h : ⊕ 13h : ●0
30	A-St : St-Cu.	Ci-St : A-Cu.	A-Cu : St-Cu : St.	10	9	8	–	7	4	J	i	i	–	i	J	..	..	..	–	..	..	●0 p 17h 30m. [121h 30m
31	A-St : Nb.	Ci : A-Cu : St-Cu.	...	10	10	9	8	0	0	G	G	J	G	i	D	●	●0	..	..	..	..	● p 11h to 11h 25m and 15h 45m : ⌢ [15h 55m.
Mean Cloud Am'nt.	—	—	—	8·4	7·8	6·5	7·0*	6·3	6·0	–	–	–	–	–	–	–	–	–	–	–	–	—

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

* Mean of 26 days.

536. Richmond (Kew Observatory). **November, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	Ci : A-Cu.	A-St : Fr-Cu.	A-St : Nb. : St-Cu.	5	4	10	10	10	10	C	F	K	K	J	i	..	..	..	..	●0	●	☂ *a* : ● 18h 20m to 23h 35m.
2	St-Cu.	St-Cu.	St-Cu.	10	10	10	10	10	10	K	J	i	i	G	J	..	..	..	..	..	..	●0 *early a* : ●0 ● 21h 20m to
3	Ci-St : St-Cu.	Ci : Ci-Cu : A-St.	A-St:AiCu:St-Cu.	8	9	9	8	9	10	i	i	J	K	J	J	..	..	..	..	..	..	Mock Sun *p*. [23h 5m.
4	St-Cu.	St-Cu.	St-Cu.	9	4	9	5	1	9	K	K	K	K	H	J	..	..	..	..	..	..	☂ *n*.
5	A-Cu : St-Cu.	A-St : Nb : St-Cu.	A-St : Nb.	4	6	10	10	10	10	i	i	i	i	i	J	..	..	..	..	..	..	☂ *a* : ●0 p, *p and n*.
6	A-St : Cu.	Ci-St : Ci : Cu.	A-Cu : St-Cu.	8	8	7	–	3	2	K	i	J	–	G	G	..	..	..	–	..	..	⊕ 13h : ☂ *n*.
7	A-Cu : St-Cu.	St-Cu.	A-Cu : St.	8	10	10	8	9	5	G	G	G	G	G	F	..	..	..	●0	..	..	*a and n*.
8	St.	St.	St.	10	10	10	10	10	10	B	B	D	E	E	F	..	..	..	..	..	..	*a and n*.
9	A-St : St-Cu.	Ci.	A-Cu.	10	10	<1	2	2	8	i	G	J	J	G	F	..	..	..	..	..	..	*n*.
10	A-Cu.	Cu.	St-Cu.	1	1	4	4	7	9	G	F	i	G	G	G	..	..	..	..	..	..	*a*.
11	St-Cu.	Fr-Cu.	...	1	0	1	<1	0	0	i	H	i	i	G	G	..	..	..	..	..	..	*early a* : y *p*.
12	St-Cu.	A-Cu : Nb : St-Cu.	A-Cu.	10	6	9	9	1	0	G	G	J	H	G	G	..	..	●0	●0	..	..	*early a* : c q r_0 p *a* : c r_0 p z to b m *p*.
13	Cu.	Cu.	...	7	8	4	–	0	10	i	G	G	–	E	F	..	..	..	–	..	..	*a and n* : ●0 22h 50m.
14	St : St-Cu.	A-Cu:A-St:St:St-Cu	St.	10	8	10	10	10	9	F	F	H	–	E	G	..	..	..	..	..	..	*a*.
15	A-St : St.	St-Cu.	A-Cu.	10	9	8	10	8	9	G	G	i	G	G	G	..	..	..	..	..	..	●0 *early a* : ●0 22h 30m.
16	A-St : St-Cu.	A-Cu.	A-Cu.	3	8	9	7	1	0	G	G	G	i	F	C	..	..	..	..	..	..	*a and n*.
17	St.	A-St. : St.	Ci : A-St : St.	10	2	9	8	9	10	C	A	H	G	G	G	..	..	..	..	..	..	*a*.
18	Fr-Cu : St-Cu.	A-Cu : Fr-St.	St.	9	9	9	9	10	10	G	G	G	G	G	G	..	..	..	..	●0	●0	●0 16h 20m.
19	Nb.	Nb.	Nb : St-Cu.	10	10	10	10	10	2	F	F	E	E	G	i	●0	●0	●0	●0	●0	..	b c m, *n*.
20	A-St : Fr-St.	A-St : St.	Nb.	10	10	10	–	10	10	H	F	F	–	G	i	..	..	..	–	●	●2	≋ (gusts) E N E *p and n*.
21	A-St : Fr-St.	Nb.	Nb.	10	10	10	10	10	10	G	F	E	D	E	E	..	..	●0	●0	●0	●	●0 12h 15m.
22	St-Cu.	St.	St.	1	10	10	10	10	10	D	B	D	D	F	G	..	..	..	..	..	..	o f e, *a*.
23	St.	St.	St.	10	10	10	10	10	7	G	G	G	G	G	H	..	..	..	..	..	..	o m w g, *a* : ☂ *n*.
24	Fr-Cu : Fr-Nb.	St-Cu.	St-Cu.	10	10	10	9	10	3	J	G	G	G	G	G	..	..	..	..	..	..	● *early a* : ●0 p *a*.
25	St-Cu.	A-Cu.	...	1	1	<1	0	0	0	G	E	G	G	E	A	..	..	..	..	..	..	*early a* : ☂ *n*.
26	St.	St.	...	10	10	10	10	0	10	B	A	X	C	D	F	..	..	..	..	..	..	*a* : f e *p* : ☂ *n*.
27	St.	St.	St.	10	10	10	–	10	10	D	D	F	–	G	G	..	..	..	–	..	..	*early a, p and n* : f e *a*.
28	St.	St.	Fr-St.	10	10	10	10	0	8	C	F	F	F	F	J	..	..	..	..	..	..	o f e to o m w *a* : o m w to b m w *p* : b x
29	Nb.	A-St : Nb.	Nb.	10	10	10	10	10	10	G	D	G	G	G	G	●	●	●	●	●0	●0	●0 2h 35m : g *a* : q *p*. [to c r *n*.
30	St.	Nb : St.	St.	10	10	10	10	10	10	G	G	E	F	F	F	..	..	●0	..	..	●0	g *a and p*.
Mean Cloud Am'nt.	—	—	—	7·8	7·8	8·3	*8·1	6·7	7·4	–	–	–	–	–	–	–	–	–	–	–	–	—

537. Richmond (Kew Observatory). **December, 1927.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Visibility. 7h	9h	13h	15h	18h	21h	Precipitation. 7h	9h	13h	15h	18h	21h	Remarks on the Weather of the Day.
1	St.	St.	St.	10	10	10	10	10	10	G	G	F	F	F	F	..	..	..	..	..	..	
2	A-St:Fr-St:St-Cu.	St.	St.	10	10	10	10	10	10	G	F	F	F	F	F	..	..	..	..	..	..	g, *p*.
3	St.	St : Fr-St.	St.	10	10	10	10	10	10	G	F	G	G	G	G	..	●0	..	..	..	●0	
4	St.	St.	St.	10	10	10	–	10	10	i	G	D	–	F	F	..	..	●0	–	..	..	g *p* : ●0 *n*.
5	A-Cu : St-Cu : Cu.	Ci : A-Cu.	Ci-St:A-Cu:Fr-St.	7	9	6	2	5	4	F	G	H	G	F	G	..	..	..	..	..	..	☂ *a and n* : Ψ 21h.
6	Ci : St-Cu.	...	...	4	3	0	0	0	0	J	G	J	H	F	E	..	..	..	..	..	..	☂ *a and n*.
7	St.	St.	St.	10	10	10	10	10	10	E	D	F	E	E	G	..	..	..	..	..	..	●0 *early a* : g 13h.
8	St.	St.	St.	10	10	10	10	10	10	H	G	G	G	G	G	..	..	..	..	..	●0	
9	St.	St-Cu.	A-Cu.	10	0?	10	7	4?	10	G	E	G	G	E	F	..	..	..	..	..	..	
10	St.	St-Cu.	St-Cu.	10	9	10	10	10	10	G	E	E	E	F	J	●0	..	..	..	..	..	●0 p 3h : q *n*.
11	Fr-St.	A-St : Fr-St.	St.	10	10	10	–	10	10	G	G	G	–	G	G	..	..	..	–	..	..	q, *p and n*.
12	Fr-St.	St-Cu.	St.	10	9	10	9	10	10	i	G	H	G	H	i	..	..	..	..	..	..	c m q, *a* : c z q, *p* : o q to c *n*.
13	St-Cu.	St-Cu.	St-Cu.	9	10	10	10	10	10	i	F	G	G	G	G	..	..	..	..	..	..	
14	A-St : Fr-Nb.	A-St : Nb.	A-St : Nb.	10	10	10	10	10	10	G	G	G	G	G	G	●0	●	●	..	●0	●0	o m, o r *n*.
15	Nb.	A-St:A-Cu:St:St-Cu	A-St : St.	10	10	10	10	10	1	F	E	G	F	F	F	●0	●	..	..	..	..	
16	St : Nb.	A-Cu : Cu-Nb.	...	6	9	3?	9	0	0	F	E	G	F	G	E	..	..	..	✱0	..	..	b c m x, p s, c f x, *a* : c, u, s, *p*.
17	A-St : St-Cu.	Ci : St.	Ci : St.	1	7	9	4	9	8	G	F	G	F	G	G	..	✱0	..	..	..	✱0	*a, p and n*.
18	A-St : St.	St : St-Cu.	St.	10	9	10	–	7	0	i	G	E	–	E	E	..	..	..	–	..	..	*a, p and n* : g *p*.
19	St-Cu.	Ci-Cu:Ci:Det-Cu.	St.	1	1	5	10	9	10	G	F	G	F	H	G	..	..	..	✱0	..	..	*a* : $i s_0$ 14h to 17h.
20	St-Cu.	Ci.	...	7	1	2	3	0	10	G	G	G	G	G	F	..	..	..	..	..	..	●0 p *n*.
21	Nb.	Nb.	St-Cu.	10	10	10	9	5	10	F	A	G	G	G	G	●	●	..	..	..	..	~ *a* : ●0 *p*.
22	A-St : Nb.	Fr-Nb.	Nb : Fr-Nb.	10	10	9	10	10	10	i	G	H	H	G	G	●0	●0	..	●0	●	●	
23	St : St-Cu.	Nb : St.	St.	8	10	10	10	10	10	G	G	G	E	G	G	..	●0	..	..	..	●0	c r m : c f to o m, *p*.
24	St : St-Cu.	Cu : St-Cu.	St-Cu.	9	10	7	9	10	6	F	E	G	G	G	G	..	..	..	..	..	..	o r m : o f : to b c m, *a*.
25	Nb.	Nb.	Nb.	10	10	10	–	10	10	G	F	E	–	J	J	●	●	●	–	✱	✱	
26	A-St : Fr-Nb.	Nb.	Nb.	10	10	10	–	10	10	J	E	F	–	H	H	..	✱	✱	–	✱	✱	q, *p and n* : ⊠.
27	Nb.	A-St : St.	A-Cu : A-St.	10	9	9	9	7	2	H	H	G	G	i	i	✱	..	..	..	..	..	⊠ q *a, p and n*.
28	...	St.	...	0	0	5	2	0	0	J	G	J	G	G	H	..	..	..	..	..	..	⊠ q y *a and p* : q *n*.
29	St-Cu.	St-Cu.	...	8	8	6	2	0	0	J	G	G	G	G	G	..	..	..	..	..	..	⊠ q *a and p*.
30	...	Ci.	...	0	0	4	7	0	0	G	E	G	E	F	D	..	..	..	..	..	..	⊠ ☂ *a*.
31	St.	St : St-Cu.	Nb.	10	10	10	10	10	10	D	D	E	E	E	E	..	..	..	✱	✱	..	⊠ ☂ *a* : r and s 15h 30m.
Mean Cloud Am'nt.	—	—	—	8·1	7·9	8·2	*7·8	7·3	7·1	–	–	–	–	–	–	–	–	–	–	–	–	—
Mean Annual Cloud Amount	—	—	—	7·1	7·3	7·6	7·8	7·0	6·1	–	–	–	–	–	–	–	–	–	–	–	–	—

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

* Mean of 26 days.

538. Richmond (Kew Observatory). **1927.**

Month.	JANUARY.				FEBRUARY.				MARCH.				APRIL.				MAY.				JUNE.			
Day.	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −
		Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.	
1	0	...	...	...	2	1·11	0·47	...	1	...	...	...	2	...	...	...	0	...	...	...	0	...	...	...
2	0	...	...	...	2	0·54	...	0·28	1	0·15	...	0·26	2	...	...	...	0	0·77	0·56	0·21	0	...	0·45	0·28
3	1	...	...	...	1	0·65	0·31	...	0	0·43	0·54	...	0	...	...	...	0	1·12	0·92	1·01	1	...	...	...
4	0	...	...	...	0	...	...	...	0?	...	...	...	0	...	...	...	0	...	1·01	0·73	1?	...	...	...
5	1	...	...	...	1	...	...	...	2	...	...	...	1	...	...	...	1	1·23	0·43	0·33	1?	...	...	...
6	0	...	...	...	0	...	...	...	0	...	...	...	1	0·73	0·73	...	2	1·21	0·56	0·38	2?	...	...	...
7	1	...	...	...	2	...	...	...	2	0·33	...	0·09	2	...	...	...	0	...	...	...	1	...	...	...
8	1	...	...	...	0	...	...	...	1	...	...	...	1	0·84	...	0·61	0	...	0·97	0·92	1	...	...	...
9	0	...	...	...	0	...	...	...	1	...	...	...	2	...	...	...	0	...	...	...	0	...	...	...
10	0	0·54	0·41	...	0	...	...	...	1	1·08	0·45	...	1	...	...	...	0	...	...	...	0	0·56	0·63	0·24
11	0	0·51	...	0·19	0	...	...	...	0	0·56	...	0·14	1	...	...	...	0	...	...	...	0	...	...	...
12	1	0·36	0·26	...	0	...	...	...	0	...	...	...	0	...	...	...	0	...	...	...	0	...	...	...
13	1	0·60	...	0·43	0	...	...	...	1	...	...	...	0	0·51	0·26	...	1	1·17	0·89	0·38	0	...	0·59	0·66
14	2	...	...	...	0	...	...	...	0	...	...	...	1	...	...	...	0	...	...	...	0	...	...	...
15	1	...	...	...	0	...	...	...	0	0·52	...	0·12	1	...	...	...	1	...	...	...	0	1·13	0·92	0·45
16	1	...	...	...	0	...	...	...	0	0·21	0·35	...	0	...	...	...	1	...	...	...	0	1·72	1·06	0·35
17	2	...	...	...	1	...	...	...	0	0·72	...	0·24	0	...	...	...	1	0·57	0·61	0·49	1	...	...	...
18	2	0·19	0·59	...	0	...	...	...	0	0·51	0·45	...	0	...	...	...	0	...	...	...	1	...	...	...
19	0	0·17	...	0·45	0	...	...	...	0	...	...	...	0	0·52	...	0·12	0	0·49	0·63	0·40	1	...	...	...
20	0	0·26	0·59	...	2	...	...	...	1	...	...	...	0	0·95	0·38	...	0	...	...	...	0	0·11	0·52	0·73
21	2	0·30	...	...	2	...	...	...	0	2·10	...	0·54	0	0·65	...	0·68	2	...	...	...	1	...	...	...
22	1	...	...	...	1	...	0·28	...	1	1·14	0·87	...	0	1·02	0·90	...	1	...	...	...	0	0·50	1·08	0·66
23	0	...	...	...	1	...	...	0·35	2	...	...	...	1	...	...	...	0	0·11	0·71	0·35	1	0·44	0·80	0·78
24	0	0·73	0·35	...	2	...	...	...	2	...	...	...	1	...	...	...	1	0·59	...	...	2	...	...	...
25	0	...	...	...	2	...	...	...	2	...	...	...	1	...	...	...	0	...	...	...	1	...	...	...
26	1	...	...	...	1	...	...	...	2	...	...	...	1	...	...	...	0	0·60	...	...	2	...	...	...
27	1	...	...	...	1	...	...	...	1	...	...	...	0	0·34	...	0·52	2	...	...	...	2?	...	...	...
28	1	...	...	...	2	...	...	...	0	0·34	...	0·78	1	0·21	0·78	...	0	...	...	...	2	...	...	...
29	2	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...
30	1	...	...	...	...	...	...	...	1	...	...	...	0	...	...	...	1	0·75	0·57	0·45	1	1·77	1·17	0·87
31	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...
Mean	0·77	0·41	0·44	0·36	0·82	0·77	0·35	0·31	0·84	0·67	0·53	0·31	0·70	0·64	0·61	0·48	0·48	0·78	0·71	0·51	0·77	0·89	0·80	0·56
No. of Days used.	31	9	5	3	28	3	3	2	31	12	5	7	30	9	5	4	31	11	11	11	30	7	9	9

Month.	JULY.				AUGUST.				SEPTEMBER.				OCTOBER.				NOVEMBER.				DECEMBER.			
Day.	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −	Character.	Air-Earth Current ×10¹⁶.	Ionic Charge per cc. × 10¹⁶. +	Ionic Charge per cc. × 10¹⁶. −
		Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.			Amp/cm²	Coulomb.	
1	2	...	...	...	1	...	...	...	0	...	...	...	1	...	...	...	1	0·60	0·28	0·31	0	0·28	0·59	...
2	0	...	...	...	0	0·73	0·75	0·73	0	...	...	...	1	...	...	...	1	...	...	...	0	0·72	0·75	0·62
3	1	...	...	...	0	...	...	...	0	...	...	...	0	0·57	...	0·49	0	0·62	0·64	0·35	0	...	...	...
4	0	...	...	...	0	...	...	...	1	...	...	...	0	0·28	0·56	0·33	0	...	0·92	0·54	0	...	...	...
5	1	1·61	1·06	0·80	1	0·49	0·40	0·26	0	0·64	0·54	0·42	0	0·23	0·59	0·46	1	...	...	...	0	0·37	0·51	0·36
6	1	0·76	1·01	1·32	1	...	...	...	1	...	...	...	0	0·74	0·42	0·31	0	...	...	...	0	0·65	0·47	0·27
7	2	1·37	1·55	1·09	1	...	...	...	0	...	...	...	0	...	0·57	0·54	0	...	...	...	0	...	...	...
8	0	0·91	...	0·75	2	...	...	...	0	...	...	...	0	...	...	...	0	...	...	...	0	...	...	...
9	1	...	...	...	1	...	...	...	0	...	...	...	0	...	...	...	0	0·45	0·38	0·23	0	0·50	0·43	0·40
10	0	...	...	...	1	0·63	1·20	0·92	1	...	...	...	0	0·41	0·45	0·28	0	0·50	0·26	0·40	1	...	...	...
11	2	...	...	...	0	...	...	...	0	...	...	...	0	0·55	0·38	0·40	0	0·27	0·52	0·26	0	...	...	...
12	0	...	0·59	...	1	...	...	...	0	...	...	...	0	...	0·54	0·33	1	...	...	...	0	...	...	...
13	0	...	...	...	1	...	...	...	1	...	...	...	0	...	0·40	0·26	1	...	...	...	0	...	...	...
14	1	...	...	...	1	...	...	...	2	...	...	...	0	...	0·42	0·33	1	0·26	0·26	...	2	...	...	...
15	1	1·11	0·73	0·73	2	...	...	...	2	...	...	...	0	...	...	...	0	0·53	0·39	0·24	2	...	...	...
16	0	...	...	...	1	...	...	...	1	...	...	...	0	...	...	...	1	0·73	0·14	0·12	0	0·43	0·73	...
17	0	...	...	...	1	0·79	0·92	0·40	2	...	...	...	0	...	...	...	0	0·58	0·55	0·38	0	...	...	...
18	0	1·17	0·57	0·56	2	0·90	1·45	1·29	1	...	...	...	0	0·59	...	...	1	0·42	...	0·35	1	...	...	...
19	0	0·72	0·45	0·47	1	0·33	0·31	0·36	0	1·36	0·92	0·61	1	...	...	...	2	...	...	...	0	...	...	...
20	0	0·47	0·44	0·38	1	...	...	...	0	...	...	...	1	0·63	0·66	0·38	2	...	...	...	0	0·66	...	0·83
21	1	...	...	...	1	...	...	...	0	0·71	0·68	0·71	1	...	...	...	1	...	...	...	2	...	...	...
22	0	...	...	1·36	1	0·77	1·18	0·82	1	...	...	...	2	...	...	...	0	...	...	...	2	...	...	...
23	0	...	...	...	1	0·80	0·92	0·94	2	...	...	...	1	...	...	...	0	...	...	...	2	...	...	...
24	0	...	...	...	2	...	...	...	1	...	...	...	0	0·41	...	...	0	...	...	...	1	...	...	...
25	0	0·82	1·30	...	2	...	...	...	1	...	...	...	0	...	0·42	0·33	0	0·37	0·43	0·21	2	...	...	...
26	0	1·13	0·99	1·08	0	...	0·59	0·63	1	...	0·99	0·73	1	...	...	...	0	...	...	...	1	...	...	...
27	1	...	...	...	0	...	...	...	1	...	...	...	1	...	...	...	0	...	...	...	1	...	...	...
28	1	...	...	...	0	...	...	...	0	0·46	0·45	0·26	0	1·08	0·59	0·54	0	...	...	...	0	...	...	...
29	0	1·49	0·80	0·71	0	0·72	...	0·66	1	...	...	...	0	...	...	...	2	...	...	...	0	...	...	...
30	0	...	...	...	1	...	...	...	1	0·71	...	0·68	1?	...	...	...	0	0·15	0·38	0·35	0	0·26	0·57	...
31	0	...	...	...	0	1·09	0·44	0·10	...	...	...	...	1?	...	...	...	...	...	...	...	1	...	...	...
Mean	0·48	1·05	0·86	0·84	0·87	0·73	0·82	0·65	0·70	0·78	0·72	0·57	0·39	0·55	0·50	0·38	0·50	0·46	0·43	0·31	0·58	0·48	0·58	0·50
No. of Days used.	31	11	11	11	31	10	10	11	30	5	5	6	31	10	12	13	30	12	12	12	31	8	7	5

Annual Means :—Character (365d) 0·66 ; Air Earth Current (107d) 0·67 ; Ionic Charges + (95d) 0·64 ; — (94d) 0·50.

Mean Values for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

539. Richmond (Kew Observatory). **1927.**

Month.	January. Factor 2·21.				February. Factor 2·39.				March. Factor 2·14.			
Hour G.M.T.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
Day.												
1	350	420	390	420	180	630	450	$z\pm$	−55	− 65	240	475
2	210	235	375	390	− 75	600	405	225	210	420	290	$z\pm$
3	140	305	−500	600	585	630	420	—	160	315	240	315
4	350	490	265	460	210	300	300	375	105	80	—	—
5	225	295	695	670	375	405	225	90	—	—	0	−265
6	530	365	445	500	165	270	315	555	120	250	200	370
7	210	655	365	405	420	495	− 75	570	185	540	275	540
8	335	460	500	140	315	755	495	540	315	420	160	305
9	140	235	280	390	420	570	630	420	275	555	$z+$	395
10	140	295	375	490	225	675	735	890	305	475	265	355
11	165	250	225	280	510	690	435	315	265	475	305	635
12	70	390	265	85	390	450	570	435	305	555	500	725
13	110	250	280	−100	675	300	540	645	$z\pm$	315	395	345
14	110	265	$z-$	420	660	720	330	555	225	605	790	450
15	250	560	375	375	405	420	240	390	385	410	265	570
16	390	545	390	615	300	165	165	420	370	515	395	570
17	635	780	460	420	375	420	300	240	410	490	240	305
18	280	z	350	445	255	375	330	420	210	250	250	345
19	390	515	460	545	360	360	420	315	160	240	275	305
20	365	640	475	615	90	180	330	240	185	315	265	315
21	335	$z\pm$	475	615	120	300	315	210	305	395	345	330
22	445	560	210	460	60	255	345	− 15	130	250	265	210
23	390	445	530	545	225	345	375	645	25	160	−595	385
24	460	375	305	180	− 1205	−330	150	660	80	90	−675	15
25	55	135	305	500	660	480	330	465	240	$z-$	240	−130
26	320	140	−15	500	375	450	375	300	105	200	420	460
27	210	280	280	515	210	− 15	180	480	200	315	$z\pm$	570
28	225	225	280	140	− 60	−300	−450	270	475	570	225	355
29	− 40	225	335	420					265	−160	− 40	240
30	210	225	$z\pm$	500					275	145	265	330
31	225	515	− 55	615					265	555	− 80	$z\pm$
Means (*a*)	276	383	373	442	343	450	373	427	234	367	296	393
Means (*b*)	270	393	307	414	248	359	320	410	226	323	212	387
Mean for day ..	(*a*) 368		(*b*) 346		(*a*) 398		(*b*) 334		(*a*) 323		(*b*) 287	

Month.	April. Factor 2·06.				May. Factor 2·02.				June. Factor 2·15.			
Hour G.M.T.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
Day.												
1	215	−455	345	445	75	385	285	480	260	210	130	90
2	455	520	190	−585	275	395	160	310	355	380	235	105
3	180	230	165	455	135	220	210	420	105	210	105	210
4	315	290	240	150	245	555	—	185	170	250	—	—
5	125	255	240	290	− 35	25	360	320	—	—	—	—
6	−100	190	240	595	235	$z+$	520	270	—	—	$z\pm$	155
7	380	−775	25	470	210	495	295	285	105	155	145	− 40
8	305	330	330	520	185	295	260	270	130	185	130	155
9	75	$z\pm$	$z\pm$	560	200	395	245	335	185	250	130	210
10	− 75	240	230	280	245	345	235	410	315	630	145	420
11	150	380	150	305	335	385	295	220	250	575	525	430
12	240	345	215	445	100	200	135	235	260	210	185	290
13	190	355	255	205	50	270	185	245	235	460	170	130
14	75	140	280	−215	60	150	100	160	80	575	500	325
15	125	205	205	355	125	100	150	235	315	485	500	340
16	215	265	215	190	150	185	110	245	275	290	170	210
17	140	370	150	—	−185	270	150	110	130	50	290	290
18	—	330	100	215	100	150	175	295	155	210	120	50
19	205	180	215	215	135	395	135	220	80	185	145	130
20	290	330	265	345	75	210	110	150	210	235	120	210
21	230	330	255	345	125	− 85	$z\pm$	200	130	185	65	170
22	165	205	180	290	75	175	85	200	210	250	145	185
23	—	—	205	405	150	210	110	160	130	210	105	170
24	205	230	—	—	200	220	160	50	90	—	210	−575
25	—	205	50	100	125	320	395	295	210	195	105	90
26	190	190	140	370	245	420	200	75	105	25	$z\pm$	300
27	265	305	100	230	25	185	395	630	130	—	—	—
28	205	330	125	255	320	285	185	150	130	210	$z\pm$	315
29	0	265	150	255	200	160	100	135	80	170	80	155
30	255	420	230	265	60	260	200	295	260	$z\pm$	210	405
31					85	410	295	245				
Means (*a*)	208	286	196	329	157	278	215	253	182	272	194	222
Means (*b*)	192	211	208	270	133	268	204	256	191	287	193	197
Mean for day ..	(*a*) 255		(*b*) 220		(*a*) 226		(*b*) 215		(*a*) 217		(*b*) 217	

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 ; $z\pm$ Indeterminate in magnitude and sign.

(*a*) Mean from all positive readings.

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

Mean Values for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

539. Richmond (Kew Observatory). **1927.**

Month.	July. Factor 2·10.				August. Factor 2·02.				September. Factor 2·11.			
Hour G.M.T.	3 hr.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
Day.												
1	335	$z\pm$	255	540	110	310	75	335	140	195	170	195
2	90	100	100	305	210	345	150	150	270	285	155	310
3	0	230	130	255	135	385	135	370	25	180	350	270
4	90	220	165	270	175	370	345	270	170	50	195	170
5	280	165	205	295	160	260	320	310	75	90	155	260
6	180	205	155	140	175	295	175	200	105	170	25	195
7	−435	255	190	395	60	160	150	150	—	65	170	350
8	205	360	385	385	335	−410	175	345	285	325	130	170
9	205	$z\pm$	180	270	150	185	175	220	75	260	155	295
10	140	190	165	500	135	220	185	250	130	385	195	360
11	155	245	$z\pm$	420	210	270	160	295	205	310	170	295
12	180	230	395	395	150	210	160	160	285	385	205	360
13	115	305	370	320	75	285	175	—	90	350	155	180
14	205	$z-$	280	220	—	135	50	60	260	310	−310	−220
15	270	450	245	360	60	60	110	35	− 25	—	335	180
16	115	420	220	360	− 25	295	$z+$	445	205	205	65	295
17	270	180	90	230	—	345	160	310	155	25	220	595
18	255	335	255	255	−335	75	200	445	245	90	220	465
19	90	345	385	270	220	220	150	250	260	270	245	335
20	295	295	205	165	135	− 35	100	220	105	115	90	270
21	155	255	165	345	100	160	100	160	75	205	180	195
22	130	155	115	230	60	175	160	200	335	170	260	260
23	90	255	130	255	100	210	160	320	—	295	$z-$	$z\pm$
24	180	220	140	220	220	260	$z\pm$	370	105	375	325	425
25	75	190	155	230	445	− 75	$z-$	580	195	360	$z\pm$	195
26	90	255	165	255	285	480	200	235	—	310	$z\pm$	490
27	180	− 50	190	205	135	175	175	250	360	285	350	140
28	−270	205	100	305	125	160	125	295	465	425	230	415
29	155	190	180	270	220	345	175	360	115	90	$z\pm$	620
30	140	220	130	320	125	—	235	250	515	505	220	385
31	190	205	140	230	200	—	320	310				
Means (a)	168	247	199	297	167	246	171	272	202	244	199	310
Means (b)	121	236	195	288	135	201	168	253	206	249	173	276
Mean for day	(a) 228		(b) 210		(a) 214		(b) 189		(a) 239		(b) 226	

Month.	October. Factor 2·06.				November. Factor 2·12.				December. Factor 2·07.			
Hour G.M.T.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
Day.												
1	215	250	165	240	415	610	335	50	340	540	540	440
2	125	125	125	390	65	205	235	− 50	415	505	630	590
3	225	450	300	315	195	375	335	245	150	390	315	340
4	565	515	365	465	105	245	—	335	200	315	275	405
5	340	425	475	915	205	360	80	− 65	465	455	705	480
6	755	590	365	300	105	270	285	555	240	455	440	480
7	375	315	500	165	285	360	415	335	455	300	415	440
8	500	340	500	365	440	375	675	725	200	340	380	225
9	275	465	575	275	415	530	400	490	165	605	515	390
10	225	290	540	250	390	570	360	335	100	515	630	440
11	525	250	450	300	300	400	375	570	200	355	480	415
12	265	350	550	475	465	235	220	620	290	505	605	695
13	265	315	425	290	335	610	360	390	555	805	705	590
14	165	175	450	515	—	465	325	455	250	−200	90	−290
15	290	450	375	290	220	465	360	520	$z-$	530	695	930
16	175	325	265	375	300	350	425	220	730	590	805	920
17	190	290	250	400	300	805	545	545	730	805	630	530
18	175	400	300	315	0	455	520	—	50	355	870	680
19	—	275	165	200	300	400	− 80	585	380	680	695	455
20	—	350	250	175	205	455	−105	$z\pm$	300	—	755	745
21	165	425	375	375	260	415	465	−180	−225	$z\pm$	−215	540
22	15	250	−640	615	335	—	585	520	0	215	140	250
23	175	65	15	375	205	360	415	360	100	315	430	300
24	300	525	240	300	—	235	545	400	125	150	490	480
25	175	200	250	165	375	520	455	360	480	$z\pm$	$z\pm$	− 25
26	40	75	165	125	480	985	455	585	555	$z-$	150	75
27	90	140	225	200	610	465	425	375	140	300	505	680
28	375	190	275	175	—	480	390	325	455	730	730	755
29	90	290	315	365	−455	−310	−725	− 90	—	555	565	745
30	215	—	—	—	155	455	530	465	555	680	655	745
31	—	—	140	350					—	—	615	200
Means (a)	260	314	324	335	287	445	404	432	319	480	533	516
Means (b)	262	314	304	346	277	427	319	345	304	446	528	476
Mean for day	(a) 308		(b) 306		(a) 392		(b) 342		(a) 462		(b) 439	

Annual Means				
(a)	234	334	290	352
(b)	214	309	261	327
	(a) 303		(b) 278	

(*a*) Mean from all positive readings.
(*b*) Mean from all complete days, using both positive and negative readings.
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 ; $z\pm$ Indeterminate in magnitude and sign.

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

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

SELECTED QUIET DAYS.

540. Richmond (Kew Observatory). **1927.**

Month and Season.	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	Midt.	Non-cyclic change	Mean values
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
Jan.	− 45	− 71	− 89	−120	**−133**	−106	− 69	− 34	+ 13	+ 35	+ 22	+ 26	+ 12	− 15	+ 21	+ 31	+ 54	+ 78	+107	+112	**+117**	+ 55	+ 18	− 18	− 61	369
Feb.	− 32	− 14	− 16	− 10	− 44	− 17	− **53**	+ 31	+ 30	+ 29	+ **47**	+ 41	− 3	− 30	− 38	− 33	− 23	− 2	+ 43	+ 38	+ 36	+ 27	+ 4	− 12	+ 5	423
Mar.	− 71	− 86	− **93**	− 75	− 87	− 65	− 39	+ 12	+ 45	+ 32	+ 10	− 17	− 13	− 17	− 16	+ 16	0	+ 76	**+116**	+111	+ 88	+ 74	+ 22	− 23	+ 12	370
April	− 32	− 30	− 32	− 22	− 2	+ 40	+ 89	+ **95**	+ 35	− 9	− 24	− 51	− 45	− 42	− 42	− **47**	− 31	+ 1	+ 17	+ 52	+ 40	+ 35	+ 11	− 6	—	257
May	− 44	− 73	− 91	− **93**	− 56	− 10	+ 31	+ 59	+ **84**	+ 73	+ 31	+ 9	− 12	− 21	− 25	− 8	− 1	+ 30	+ 40	+ 64	+ 30	+ 14	− 7	− 24	+ 22	264
June	− 36	− 33	− 9	− 10	− 23	− 8	+ 50	+ 82	**+106**	+ 69	+ 38	− 14	− **38**	− 25	− 22	− 24	− 21	− 5	− 5	− 9	− 2	− 10	− 20	− 34	− 46	260
July	− 28	− 59	− **73**	− 49	− 26	− 1	+ 55	+ 58	+ 36	+ 28	− 5	− 19	− 35	− 34	− 30	− 25	− 21	+ 6	+ 15	+ 10	+ 59	+ **76**	+ 44	+ 18	− 33	226
Aug.	− 16	− 33	− **48**	− 35	− 12	− 11	+ 20	+ 48	+ **57**	+ 36	− 1	− 13	− 33	− 33	− 35	− 21	− 25	− 15	+ 23	+ 36	+ 50	+ 51	+ 15	− 3	—	182
Sept.	− 39	− **59**	− 55	− 55	− 41	− 26	+ 11	+ 30	+ 26	+ 7	− 6	− 8	− 24	− 31	− 21	− 5	+ 23	+ 40	+ 64	+ **81**	+ 65	+ 39	− 2	− 14	− 10	205
Oct.	− 81	− 94	− 89	**−109**	−102	− 68	− 40	− 8	+ 16	+ 29	+ 51	+ 26	+ 26	+ 46	+ 45	+ 81	+106	**+112**	+ 92	+ 37	+ 11	− 35	− 22	− 31	+ 1	316
Nov.	− 37	− 71	− **99**	− 91	− 66	− 58	+ 11	+ 35	+ 67	+ 36	+ 53	+ **67**	+ 17	− 8	− 14	+ 12	+ 32	+ 27	+ 62	+ 29	+ 35	− 1	− 7	− 32	+ 82	434
Dec.	−111	−141	−148	**−157**	−145	−114	− 57	− 8	+ 81	+ 90	+ 72	+ 45	+ 40	+ 28	+ 74	+ 54	+ 59	+112	**+139**	+115	+ 55	+ 13	− 30	− 66	+ 5	469
Year	− 48	− 64	− **70**	− 69	− 61	− 37	+ 1	+ 33	+ 50	+ 38	+ 24	+ 8	− 9	− 15	− 9	+ 3	+ 13	+ 38	+ **59**	+ 56	+ 49	+ 28	+ 2	− 20	—	315
Winter	− 56	− 74	− 88	− 95	− **97**	− 74	− 42	+ 6	+ 48	+ 48	+ 49	+ 45	+ 16	− 6	+ 11	+ 16	+ 30	+ 54	+ **88**	+ 73	+ 61	+ 23	− 4	− 32	—	424
Eqnx.	− 56	− 67	− **67**	− 65	− 58	− 30	+ 5	+ 32	+ 31	+ 15	+ 8	− 12	− 14	− 11	− 9	+ 11	+ 25	+ 57	+ **72**	+ 70	+ 51	+ 28	+ 2	− 18	—	287
Sumr.	− 31	− 50	− **55**	− 47	− 29	− 8	+ 39	+ 62	+ **71**	+ 51	+ 16	− 9	− 29	− 28	− 28	− 19	− 17	+ 4	+ 18	+ 25	+ 34	+ 33	+ 8	− 11	—	233

AIR POLLUTION : HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre).

COMPLETE DAYS ONLY.

541. Richmond (Kew Observatory). **1927.**

Month and Season.	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	Midt.	Mean	No. of days used.
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	
Jan.	·10	**·08**	·09	·09	·09	·13	·18	·30	**·45**	·40	·37	·30	·25	·22	·26	·27	·28	·33	·31	·30	·25	·25	·23	·13	·23	31
Feb.	·20	·19	·15	**·15**	·17	**·15**	·21	·30	·35	·34	·32	·26	·32	·29	·30	·27	·34	·38	**·46**	·37	·39	·32	·26	·21	**·28**	27
Mar.	·07	·06	·05	·05	·05	·09	·12	**·20**	·17	·09	·05	**·03**	·04	·04	·04	·07	·11	·17	·19	·20	·18	·16	·11	·09	·10	30
April	·06	·05	·06	·08	·08	·11	·14	·17	·14	·08	·05	·02	·06	·06	·03	**·02**	·05	·08	·14	·16	**·19**	·13	·08	·06	·09	28
May	·08	·07	·10	·09	·11	·19	**·22**	·19	·13	·10	·05	**·04**	**·04**	·04	·05	·05	·05	·05	·07	·10	·11	·13	·09	·09	·09	31
June	·04	·06	·05	·06	·06	·07	·07	·09	**·10**	·05	·05	·03	·02	**·01**	·02	·03	·02	·03	·03	·02	·02	·02	**·01**	·02	**·04**	30
July	**·02**	·03	·05	·05	·05	·07	·08	**·08**	**·08**	**·08**	·07	·05	·03	**·02**	·03	**·02**	·04	·03	·03	·05	·05	·03	·03	·03	·05	31
Aug.	·04	·04	·04	·05	·06	·08	**·09**	·09	·08	·07	·06	·04	·03	·02	**·02**	·03	·03	·03	·02	·05	·04	·03	**·02**	**·02**	·05	31
Sept.	·06	·06	·04	·04	·05	·06	·11	·15	·10	·06	·02	**·00**	**·00**	·01	·02	·04	·09	·12	**·15**	·14	·13	·07	·06	·06	·07	30
Oct.	·23	·22	·21	·19	·19	**·18**	·22	·29	·32	·33	·22	·23	·21	·19	·21	·28	·30	·32	·36	·37	·39	**·42**	·37	·29	·27	31
Nov.	·10	·10	·11	·11	·10	**·09**	·14	·26	·31	·26	·22	·21	·17	·19	·20	·23	·31	·31	**·36**	·30	·26	·21	·15	·11	·20	30
Dec.	·13	·11	·07	**·06**	·08	·07	·09	·27	·37	·32	·27	·24	·19	·21	·25	·32	**·38**	·34	·34	·35	·34	·32	·27	·19	·23	28
Year	·09	·09	**·09**	**·09**	·09	·11	·14	·20	**·22**	·18	·15	·12	·11	·11	·12	·14	·17	·18	·21	·20	·20	·17	·14	·11	·14	358
Winter	·13	·12	·11	**·10**	·11	·11	·15	·28	**·37**	·33	·30	·25	·23	·23	·25	·27	·33	·34	**·37**	·33	·31	·27	·23	·16	·24	116
Eqnx. Spring	·07	·05	·06	·07	·07	·10	·13	·19	·15	·08	·05	**·03**	·05	·05	·04	·05	·07	·13	·17	·18	**·19**	·14	·09	·07	·09	58
Autm.	·15	·14	·13	·11	·12	·12	·16	·22	·21	·20	·12	·11	·10	**·10**	·11	·16	·19	·22	·26	·25	**·26**	·25	·22	·18	·17	61
Sumr.	·05	·05	·06	·07	·07	·10	**·12**	·11	·10	·08	·06	·04	·03	**·02**	·03	·03	·04	·04	·04	·06	·06	·05	·04	·04	·06	123

AIR POLLUTION : DIURNAL INEQUALITIES (milligrams per cubic metre).

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

542. Richmond (Kew Observatory). **1927.**

Month and Season.	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	Midt.	Non-cyclic change	Range.
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
Jan.	−·14	**−·16**	−·15	−·15	−·15	−·11	−·06	+·06	**+·21**	+·17	+·13	+·07	+·01	−·02	+·02	+·03	+·04	+·10	+·08	+·07	+·01	+·01	·00	−·10	−·01	**·37**
Feb.	−·08	−·09	−·13	**−·13**	−·11	**−·13**	−·07	+·02	+·07	+·06	+·04	−·02	+·04	+·01	+·02	−·01	+·06	+·10	**+·18**	+·09	+·11	+·04	−·02	−·07	·00	·31
Mar.	−·03	−·04	−·05	−·05	−·02	+·02	**+·10**	+·07	−·02	−·05	**−·07**	−·06	−·06	−·06	−·03	·00	+·07	+·09	+·10	+·08	+·06	·00	−·02	·00	·17
April	−·03	−·04	−·03	−·01	−·01	+·03	+·05	+·09	+·05	−·01	−·04	−·07	−·03	−·03	−·05	**−·07**	−·04	−·01	+·05	+·07	**+·11**	+·04	−·01	−·03	·00	·18
May	−·01	−·02	+·01	·00	+·02	+·09	**+·13**	+·10	+·04	+·01	−·04	−·05	−·05	**−·05**	−·05	−·05	−·05	−·05	−·02	·00	+·01	+·03	−·01	−·01	+·01	·18
June	−·01	+·02	+·01	+·02	+·02	+·03	+·03	+·04	**+·05**	+·01	+·01	−·01	−·02	**−·03**	−·02	−·01	−·02	−·01	−·01	−·02	−·02	−·02	−·03	−·02	−·01	·08
July	**−·03**	−·02	·00	·00	·00	+·03	+·03	**+·03**	**+·03**	**+·03**	+·03	·00	−·02	**−·03**	−·02	**−·03**	−·01	−·02	−·02	·00	·00	−·02	−·02	−·02	**·06**
Aug.	·00	·00	·00	+·01	+·01	+·04	**+·05**	+·05	+·04	+·03	+·01	·00	−·01	−·03	**−·03**	−·01	−·01	−·01	−·03	+·01	·00	−·01	**−·03**	**−·03**	·00	·08
Sept.	−·01	−·01	−·03	−·03	−·01	−·01	+·04	+·08	+·03	−·01	−·05	**−·07**	**−·07**	−·06	−·05	−·03	+·02	+·05	**+·08**	+·07	+·06	+·01	−·01	−·01	·00	·15
Oct.	−·04	−·05	−·06	−·08	−·08	**−·09**	−·05	+·02	+·05	+·06	−·05	−·04	−·06	−·09	−·06	+·01	+·03	+·05	+·09	+·10	+·12	**+·15**	+·09	+·01	+·01	·24
Nov.	−·11	−·11	−·10	−·10	−·11	**−·12**	−·06	+·05	+·11	+·05	+·02	+·01	−·03	−·01	·00	+·04	+·11	+·11	**+·17**	+·10	+·06	+·02	−·05	−·09	−·01	·29
Dec.	−·10	−·11	−·16	**−·17**	−·15	−·16	−·14	+·04	+·13	+·09	+·04	+·01	−·04	−·03	+·02	+·09	**+·14**	+·11	+·11	+·12	+·10	+·08	+·04	−·04	+·01	·31
Year	−·05	−·05	**−·06**	**−·06**	−·05	−·03	·00	+·06	**+·07**	+·04	+·01	−·02	−·03	−·03	−·02	−·01	+·02	+·04	+·06	+·06	+·05	+·03	·00	−·03	·00	·13
Winter	−·11	−·12	−·13	**−·13**	−·13	−·13	−·08	+·05	+·13	+·09	+·06	+·02	·00	−·01	+·02	+·04	+·09	+·10	**+·13**	+·09	+·07	+·04	−·01	−·07	·00	·26
Eqnx.	−·03	−·03	−·04	−·04	−·04	−·02	+·01	+·07	+·05	+·01	−·05	**−·06**	−·05	−·06	−·06	−·03	·00	+·04	+·08	+·09	**+·09**	+·06	+·02	−·01	·00	·15
Sumr.	−·01	−·01	·00	+·01	+·01	+·05	**+·06**	+·06	+·04	+·02	·00	−·02	−·03	**−·04**	−·03	−·02	−·02	−·02	−·02	·00	·00	−·01	−·02	−·02	·00	·10

SEISMOLOGICAL DIARY : *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
Jan.		h. m. s.	s.	μ	μ	μ	km.	
1	eL	8 57	..	..	..	..	..	
	F	9 10	..	..	..	..	..	
1	eL	9 57	..	..	..	..	..	Part lost during changing.
	F	10 10	..	..	..	..	..	
2	eL	15 29	..	..	..	..	..	
	F	34	..	..	..	..	..	
3	eL	6 19	..	..	..	..	..	
	F	30	..	..	..	..	..	
3	e	22 (57)	..	..	..	..	..	
	L	23 4	..	..	..	..	..	
	F	20	..	..	..	..	..	
11	e	20 37	..	..	..	..	..	Not on horizontal compts.
	F	42	..	..	..	..	..	
12	e	1 5	..	..	..	..	..	
	F	15	..	..	..	..	..	
15	..	..	..	..	..	..	..	Records defective from $6^h\ 54^m$ to $10^h\ 0^m$.
15	e	20 57	..	..	..	..	..	
	F	21 2	..	..	..	..	..	
17	(e)	22 20	..	..	..	..	..	
	L	38	..	..	..	..	..	
	M_1	49 41	24	+17	..	..	..	
	M_2	50 9	22	..	+11	..	..	
	F	23 10	..	..	..	..	..	
20	e	11 19 58	..	..	..	..	..	
	L	35	..	..	..	..	..	
	F	12 10	..	..	..	..	..	
24	eP′	1 25 20	..	..	..	..	(16000)	
	PR_1	29 1	..	..	..	..	..	No S phase.
	L	2 4	..	..	..	..	..	Near New Hebrides (according to Wellington).
	M_1	29 39	24	+35	..	..	..	
	M_2	31 29	24	..	+21	..	..	
	M_3	32 0	21	−26	..	..	..	
	M_4	36 46	19	..	..	+40	..	
	M_5	55 41	21	..	−35	..	..	
	M_6	58 23	21	..	+36	..	..	
	M_7	58 39	23	+56	..	..	..	
	M_8	59 33	21	..	..	+60	..	
	M_9	3 0 35	22	+63	..	..	..	
	M_{10}	0 39	21	..	..	+60	..	
	M_{11}	4 54	19	..	+45	..	..	
	M_{12}	5 28	20	+36	..	..	..	
	M_{13}	5 54	20	..	..	+50	..	
	M_{14}	8 37	18	+33	..	..	..	
	M_{15}	11 50	18	+31	..	..	..	
	F	4 20	..	..	..	..	..	
24	eP	5 20 14	..	..	..	..	880	Epicentre—North Sea, near 59° N., 2·5° E.
	e(S)	21 (49)	..	..	..	..	..	Felt in East of Scotland and in Norway.
	iNZ	22 2	..	..	..	..	..	
	iN	22 21	..	..	..	..	..	
	M	24	20	8	9	..	..	
	F	28 30	..	..	..	..	..	
24	eL	8 2	..	..	..	..	..	
	F	50	..	..	..	..	..	
26	eL	0 28	..	..	..	..	..	Masked by large microseisms.
	F	1 25	..	..	..	..	..	
30	eL	9 25	..	..	..	..	..	
	F	40	..	..	..	..	..	
31	e	1 9	..	..	..	..	..	
	F	20	..	..	..	..	..	
31	eL	6 11	..	..	..	..	..	
	F	18	..	..	..	..	..	
Feb.								
1	ezP′	18 15 44	..	..	..	..	(16000)	
	izPR$_1$	19 2	..	..	..	..	..	No S phase.
	iNE	19 8	..	..	..	..	..	
	L	54	..	..	..	..	..	Solomon Islands (according to Spokane).
	M_1	19 5 23	27	−29	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Feb. 1 cont.	M_2	9 53	25	..	+14	..	..	
	M_3	12 55	24	..	..	+30	..	
	M_4	13 2	23	+21	..	..	..	
	M_5	15 3	22	..	+11	..	..	
	M_6	15 30	22	−14	..	..	..	
	M_7	15 35	22	..	..	+20	..	
	F	20 25	..	..	..	..	..	
3	ezP	4 5 26	..	..	..	..	9010	
	eSNE	15 37	..	..	..	..	..	Felt in Shanghai.
	L	34	..	..	..	..	..	
	M_1	38 39	19	+26	..	..	..	
	M_2	39 7	19	..	+27	..	..	
	M_3	43 10	17	+11	..	..	..	
	M_4	45 35	16	−11	..	..	..	
	M_5	45 38	15	..	..	+20	..	
	F	?	..	..	..	..	..	F in succeeding movement.
3	L	5 32	..	..	..	..	..	Initial phases masked by preceding movement.
	M_1	37 58	19	+15	..	..	..	Probably a repetition.
	M_2	38 8	19	..	+16	..	..	Felt in Shanghai.
	M_3	41 55	16	+ 6	..	..	..	
	F	6 25	..	..	..	..	..	
4	ez	3 10	..	..	..	..	..	
	L	31	..	..	..	..	..	
	F	4 50	..	..	..	..	..	
5	eL	8 24	..	..	..	..	..	
	F	45	..	..	..	..	..	
7	e	6 20	..	..	..	..	..	
	F	30	..	..	..	..	..	
11	eL	1 46	..	..	..	..	..	
	F	53	..	..	..	..	..	
13	eL	4 12	..	..	..	..	..	
	F	27	..	..	..	..	..	
14	iP	3 47 3	..	..	..	..	1710	Dilatation.
	S	50 1	..	..	..	..	..	Destructive in Dalmatia.
	L	51 15	..	..	..	..	..	
	M_1	51 44	8	..	..	−20	..	Epicentre—42°·5 N., 18°E. (Strasbourg).
	M_2	51 58	14	−70	−31	..	..	
	M_3	52 16	10	..	+32	..	..	
	M_4	52 22	8	..	..	+20	..	
	M_5	52 42	11	−37	..	..	..	
	M_6	53 1	18	..	−38	..	..	
	M_7	53 27	9	..	..	+20	..	
	F	4 30	..	..	..	..	..	
14	e	5 1	..	..	..	..	..	
	F	8	..	..	..	..	..	
16	iP	1 47 31	..	..	..	..	8830	Compression.
	PR_1	50 30	..	..	..	..	..	Azimuth 20° ca., giving epicentre near 46° N., 150° E., Kurile Isles.
	PR_2	53 59	..	..	..	..	..	
	SNE	57 33	..	..	..	..	..	
	(Sz)	57 44	..	..	..	..	..	
	(SR_1)	2 3 20	..	..	..	..	..	
	L	11	..	..	..	..	..	
	M_1	21 55	18	..	+41	..	..	
	M_2	25 30	17	+44	..	..	..	
	M_3	26 32	17	+49	..	..	..	
	M_4	28 47	17	..	..	+70	..	
	M_5	29 2	16	+56	..	..	..	
	M_6	30 34	15	..	..	−90	..	
	M_7	30 37	15	−71	..	..	..	
	M_8	31 39	15	..	+36	..	..	
	M_9	33 43	14	..	..	+50	..	
	M_{10}	33 44	14	..	+34	..	..	
	M_{11}	40 23	14	−43	..	..	..	
	M_{12}	40 26	15	..	..	+50	..	
	M_{13}	41 2	15	..	+39	..	..	
	L_2	3 36	..	..	..	..	..	
	M_{14}	49 18	17	..	+16	..	..	
	M_{15}	50 34	18	..	..	+30	..	
	M_{16}	50 37	19	+24	+18	..	..	Long waves via Antipodes.
	M_{17}	52 28	17	+22	..	..	..	
	M_{18}	53 8	16	..	+19	..	..	
	M_{19}	4 5 50	16	..	..	+20	..	
	M_{20}	5 56	16	+18	..	..	..	
	F	6 20	..	..	..	..	..	

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
Feb.		h. m. s.	s.	μ	μ	μ	km.	
16	eZ	8 48 53	..	..	..	..	..	
	L	9 19	..	..	..	..	..	Part lost in changing.
	F	55	..	..	..	..	..	
16	ePz	12 4 (42)	..	..	..	..	..	
	e	15	..	..	..	..	..	
	L	34	..	..	..	..	..	
	F	13 15	..	..	..	..	..	
16	eL	14 41	..	..	..	..	..	
	F	15 5	..	..	..	..	..	
17	eN	23 18 20	..	..	..	..	..	Extremely small movements.
	eE	18 39	..	..	..	..	..	
	e	18 51	..	..	..	..	..	Felt in Channel Islands
	F	20 30	..	..	..	..	..	and North of France.
18, 19	e	23 20	..	..	..	..	..	
	L	49	..	..	..	..	..	
	F	0 20	..	..	..	..	..	
19	eL	4 34	..	..	..	..	..	
	F	5 5	..	..	..	..	..	
19	e	23 41	..	..	..	..	..	
	L	47	..	..	..	..	..	
	F	58	..	..	..	..	..	
20	e	2 58	..	..	..	..	..	
	F	3 1	..	..	..	..	..	
21	..	..	..	..	..	..	..	Records defective from $9^h\ 48^m$ to $13^h\ 12^m$.
21	eL	13 23	..	..	..	..	..	
	M	36	20	6	5	6	..	
	F	50	..	..	..	..	..	
22	e	20 43	..	..	..	..	..	
	F	21 5	..	..	..	..	..	
24	e	4 56	..	..	..	..	..	
	F	5 10	..	..	..	..	..	
25	eL	17 7	..	..	..	..	..	
	F	40	..	..	..	..	..	
26	eL	3 19	..	..	..	..	..	
	F	4 10	..	..	..	..	..	
28	e	14 32	..	..	..	..	..	
	L	58	..	..	..	..	..	
	M	15 2-4	24	..	25	30	..	North compt. disturbed by wind effect.
	F	55	..	..	..	..	..	
Mar.								
3	eP	1 20 38	..	..	..	..	(13000)	Initial phases very indefinite and disturbed by wind effects. Epicentre near the Island of Timor, East Indies (according to Riverview).
	eP′z	24 (39)	..	..	..	..	..	
	(eS)	35 (10)	..	..	..	..	..	
	(SR_1)	40 56	..	..	..	..	..	
	(SR_2)	45 28	..	..	..	..	..	
	e	50	..	..	..	..	..	
	L	53	..	..	..	..	..	
	M_1	2 6 55	32	..	−105	..	..	
	M_2	7 54	30	+135	..	..	..	
	M_3	8 37	30	..	+ 87	..	..	
	M_4	10 58	24	+ 52	..	..	..	
	M_5	13 23	24	..	+ 66	..	..	
	M_6	16 24	23	+ 54	..	..	..	
	M_7	16 52	20	..	..	− 40	..	
	M_8	24 8	17	..	..	+ 30	..	
	F	3 55	..	..	..	..	..	
3	iPz	7 2 24	..	..	..	..	9100	43° N. 151°., Kurile Isles (according to Tashkent).
	eS	12 40	..	..	..	..	..	
	L	32	..	..	..	..	..	
	M	37	23	8	7	..	..	
	F	18 10	..	..	..	..	..	
6	eL	1 50	..	..	..	..	..	
	F	2 10	..	..	..	..	..	
7	iP	9 40 14	..	..	..	..	9310	Compression.
	PR_1	43 33	..	..	..	..	..	Epicentre near Mineyama, province of Tango, Japan.
	iS	50 40	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
Mar.		h. m. s.	s.	μ	μ	μ	km.	
7 cont.	iE	10 2 6	..	..	..	..	..	Time of origin = $9^h\ 27^m\ 46'$. About 3 minutes of each trace lost between S and L due to changing of sheets.
	L	7	..	..	..	..	..	
	M_1	10 12 59	28	−340	..	..	..	Nearly all + maxima off the charts.
	M_2	13 12	28	..	−360	..	..	Probably +Ae at $12^m\ 59^s$ slightly greater.
	M_3	14 26	22	−330	..	..	..	Probably +An at $14^m\ 38^s$ slightly greater.
	M_4	14 38	22	..	−460*	..	..	
	M_5	15 51	19	..	..	+140	..	
	M_6	16 19	18	..	−310	..	..	
	M_7	17 34	18	−400*	..	..	..	
	M_8	17 44	18	..	..	−190	..	
	M_9	18 14	16	..	−260	..	..	
	M_{10}	18 57	15	−380*	..	..	..	
	M_{11}	20 9	15	..	..	−180	..	
	M_{12}	21 19	14	..	−190*	..	..	Probably +Ae at $21^m\ 26^s$ slightly greater.
	M_{13}	22 21	14	..	..	−280	..	
	M_{14}	22 47	13	−360*	..	..	..	
	M_{15}	23 56	14	..	..	−260	..	
	M_{16}	23 59	14	−300	..	..	..	
	M_{17}	24 3	15	..	−230	..	..	Probably +Ae at $24^m\ 10^s$ slightly greater.
	F	12 45	..	..	..	..	..	*These amplitudes obtained by extrapolation—turning points just off the charts.
9	ePz	16 25 31	..	..	..	..	..	
	eS	35 21	..	..	..	..	..	
	L	47	..	..	..	..	..	
	F	17 25	..	..	..	..	..	
10	eL	23 35	..	..	..	..	..	
	F	50	..	..	..	..	..	
12	eZ	19 3 50	..	..	..	..	..	
	L	46	..	..	..	..	..	
	F	20 30	..	..	..	..	..	
12	eN	20 40 (38)	..	..	..	..	..	Felt in Eastern Pyrenees.
	eE	40 46	..	..	..	..	..	Very small movements.
	e	40 59	..	..	..	..	..	
	F	43-44	..	..	..	..	..	
13	eZ	5 45 25	..	..	..	..	..	
	L	6 14	..	..	..	..	..	
	F	7 0	..	..	..	..	..	
14	eL	18 19	..	..	..	..	..	
	F	50	..	..	..	..	..	
15	iPz	17 8 35	..	..	..	..	..	Compression.
	L	26	..	..	..	..	..	
	F	50	..	..	..	..	..	
15	ezP	21 59 20	..	..	..	..	7440	N.E. Tibet (according to Russian Stations).
	eES	22 8 12	..	..	..	..	..	
	e	15	..	..	..	..	..	
	L	22	..	..	..	..	..	
	M_1	25 56	14	+ 6	..	..	..	
	M_2	30 28	14	..	..	+10	..	
	M_3	30 30	15	..	+ 8	..	..	
	F	23 10	..	..	..	..	..	
16	L	7 36	..	..	..	..	..	
	F	50	..	..	..	..	..	
18	..	..	..	..	..	..	..	Defective records from $2^h\ 30^m$ to $6^h\ 50^m$.
20	eL	17 1	..	..	..	..	..	
	F	30	..	..	..	..	..	
21	eL	10 50	..	..	..	..	..	
	F	11 25	..	..	..	..	..	
21	ez(P)	15 19 28	..	..	..	..	(9500)	P very doubtful.
	e(S)	29 59	..	..	..	..	..	
	L	49	..	..	..	..	..	
	M_1	16 0 35	20	..	+10	..	..	

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.

Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
Mar.		h. m. s.	s.	μ	μ	μ	km.	
21	M_2	16 5 53	21	+10	..	..	..	
cont.	M_3	8 33	18	..	+ 8	..	..	
	M_4	9 29	18	+10	..	..	..	
	M_5	9 33	18	..	..	+10	..	
	F	17 40	..	..	..	..	..	
22	e	1 11	..	..	..	..	..	
	L	39	..	..	..	..	..	
	F	2 40	..	..	..	..	..	
22	eL	8 30	..	..	..	..	..	
	F	?	..	..	..	..	..	F masked by wind effect.
24	eS	14 56 44	..	..	..	..	..	Felt in Crete.
	L	15 0	..	..	..	..	..	No records on Z component—instrument under repair.
	M_1	0 31	23	+13	..	..	..	
	M_2	4 6	26	..	+13	..	..	
	F	15	..	..	..	..	..	
25	e(P)	3 51 (23)	..	..	..	..	(2340)	
	e(S)	55 15	..	..	..	..	..	
	L	56 30	..	..	..	..	..	No records on Z component—instrument under repair.
	M_1	57 9	17	+ 7	..	..	..	
	M_2	57 40	17	..	+ 7	..	..	
	F	4 20	..	..	..	..	..	
25	..	..	..	..	..	..	..	$10^h\ 8^m$ to $16^h\ 56^m$ No records owing to alterations to electric light system.
26	..	..	..	..	..	..	..	$9^h\ 12^m$ to $12^h\ 10^m$
29	..	..	..	..	..	..	..	$10^h\ 10^m$ to $12^h\ 10^m$
29	e	22 45	..	..	..	..	..	
	F	48	..	..	..	..	..	
29	e	23 19	..	..	..	..	..	Mainly on N component.
	F	22	..	..	..	..	..	Extremely feeble on E and Z components.
29	e	23 27	..	..	..	..	..	
	F	30	..	..	..	..	..	
31	eL	21 52	..	..	..	..	..	
	F	22 10	..	..	..	..	..	
April								
1	iP′z	19 25 15	..	..	..	..	..	Very distant.
	PR_1	28 47	..	..	..	..	..	
	i_N	35 0	..	..	..	..	..	
	L	48	..	..	..	..	..	L phase very feeble.
	F	21 10	..	..	..	..	..	
4	eL	5 41	..	..	..	..	..	
	F	6 7	..	..	..	..	..	
9	e	17 14	..	..	..	..	..	? if seismic.
	F	18	..	..	..	..	..	
12	ez	23 33 2	..	..	..	..	..	
	F	36	..	..	..	..	..	
13	eP	13 57 (24)	..	..	..	..	(10700)	Time of P very uncertain.
	S	14 8 52	..	..	..	..	..	Philippine Islands.
	L	31	..	..	..	..	..	
	M_1	37 55	22	+14	−10	..	..	
	M_2	43 38	20	..	..	+10	..	
	F	15 10	..	..	..	..	..	
14	iPz	6 37 26	..	..	..	..	(11500)	Destructive in neighbourhood of Mendoza and Santiago de Chile, S. America.
	iz	37 57	..	..	..	..	..	
	e	40 49	..	..	..	..	..	
	PR_1	41 41	..	..	..	..	..	
	PR_2	44·5	..	..	..	..	..	
	S	?	..	..	..	..	..	S lost during adjustment of vertical pendulum.
	SR_1	56 17	..	..	..	..	..	
	SE_2	7 0 40	..	..	..	..	..	
	L	11	..	..	..	..	..	
	M_1	21 7	20	+21	..	..	..	
	M_2	21 11	20	..	..	+30	..	
	M_3	21 29	20	..	+24	..	..	
	M_4	26 34	17	+13	..	..	..	
	M_5	26 49	19	..	+20	..	..	
	M_6	7 26 53	18	..	..	+20	..	
	F	9 0	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
April		h. m. s.	s.	μ	μ	μ	km.	
16	ePz	8 26 51	..	..	..	..	(9500)	Felt in Los Angeles.
	S	37	..	..	..	..	..	
	L	55	..	..	..	..	..	
	M_1	9 3 23	24	+17	..	..	..	
	M_2	5 24	19	..	+12	..	..	
	M_3	8 27	18	..	..	+10	..	
	F	10 50	..	..	..	..	..	
19	ez(PR_1)	17 47·3	..	..	..	..	..	
	e(S)	55 43	..	..	..	..	..	Epicentre near Luzon.
	e	18 10	..	..	..	..	..	
	L	19	..	..	..	..	..	
	M_1	22 51	21	+25	..	..	..	
	M_2	23 1	21	..	+17	..	..	
	M_3	24 46	18	+17	..	..	..	
	M_4	26 58	19	..	+15	..	..	
	M_5	28 51	17	..	..	+10	..	
	F	19 0	..	..	..	..	..	
20	e	12 31	..	..	..	..	..	
	F	33	..	..	..	..	..	
27	iz	3 10	..	..	..	..	..	
	L	4 1	..	..	..	..	..	
	F	40	..	..	..	..	..	
27	eP	19 29 44	..	..	..	..	..	E-W record defective.
	e	40	..	..	..	..	..	
	L	20 6	..	..	..	..	..	
	M	11 32	20	+ 5	..	..	..	
	F	40	..	..	..	..	..	
28	eL	2 51	..	..	..	..	..	
	F	3 5	..	..	..	..	..	
29	eL	11 29	..	..	..	..	..	
	F	40	..	..	..	..	..	
30	e	14 18	..	..	..	..	..	E-W record defective.
	L	24	..	..	..	..	..	
	M_N	27 4	20	+31	..	..	..	
	M_Z	32 16	15	..	..	+10	..	
	F	50	..	..	..	..	..	
May								
2	e	12 57	..	..	..	..	..	Horizontal components disturbed by wind.
	L	13 39	..	..	..	..	..	
	F	14 0	..	..	..	..	..	
2	eL	22 35	..	..	..	..	..	
	F	50	..	..	..	..	..	
3	ez	14 3 20	..	..	..	..	..	
	e	33	..	..	..	..	..	
	L	53	..	..	..	..	..	
	F	15 10	..	..	..	..	..	
3	eL	15 49	..	..	..	..	..	
	F	53	..	..	..	..	..	
7	eL	22 33	..	..	..	..	..	
	F	45	..	..	..	..	..	
9	eP	10 40 32	..	..	..	..	5310	Epicentre 32°N., 58°E., Persia—Afghanistan (Strasbourg).
	eS	47 31	..	..	..	..	..	
	L	54	..	..	..	..	..	
	M_1	11 1 20	22	..	+ 6	..	..	Vertical record defective.
	M_2	2 3	20	+ 9	..	..	..	
	F	40	..	..	..	..	..	
9	eS	20 27 50	..	..	..	..	..	Vertical record defective.
	L	45	..	..	..	..	..	
	F	21 20	..	..	..	..	..	
10	e	20 29	..	..	..	..	..	
	F	45	..	..	..	..	..	
11	eL	2 30	..	..	..	..	..	
	F	40	..	..	..	..	..	
13	e	0 28 30	..	..	..	..	..	
	L	33	..	..	..	..	..	
	F	45	..	..	..	..	..	
13	eL	16 9	..	..	..	..	..	
	F	25	..	..	..	..	..	

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
May		h. m. s.	s.	μ	μ	μ	km.	
13/14	e	23 29 52	..	..	..	..	..	
	L	0 9	..	..	..	..	..	
	M_1	11 8	30	..	+11	..	..	
	M_2	11 24	31	+10	..	..	..	
	F	40	..	..	..	..	..	
15	eP	2 51 1	..	..	..	..	1830	Near Belgrade, Jugo Slavia.
	S	54 9	..	..	..	..	..	
	L	55	..	..	..	..	..	Slight damage.
	M_1	56 16	16	+53	..	..	..	
	M_2	56 49	10	..	..	+30	..	44° N., 20°·5 E.
	M_3	57 39	9	..	..	+20	..	(Strasbourg).
	M_4	57 49	17	..	+38	..	..	
	M_5	58 9	16	+35	..	..	..	
	M_6	59 13	13	..	+28	..	..	
	F	?	..	..	..	..	..	F in succeeding movement.
15	eL	3 20·5	..	..	..	..	..	
	M_1	21 1	16	+ 8	..	..	..	Initial phases masked
	M_2	21 32	10	..	..	+ 4	..	by coda of preceding disturbance.
	F	40	..	..	..	..	..	Probably a repetition.
16	ePz	12 14 18	..	..	..	..	(10000)	
	PR_1	17 55	..	..	..	..	..	Epicentre probably
	eS	25 (18)	..	..	..	..	..	east of Japan.
	L	50	..	..	..	..	..	Horizontal records
	M_1	53 53	19	+ 5	..	..	..	disturbed by wind
	M_2	54 11	19	..	− 5	..	..	effect.
	M_3	13 1 44	17	..	..	+ 4	..	
	M_4	1 50	17	..	+ 6	..	..	
	F	14 10	..	..	..	..	..	
17	eP	21 55 19	..	..	..	..	7550	Japan Sea (according
	eS	22 4 17	..	..	..	..	..	to Kobe).
	L	12	..	..	..	..	..	
	F	23 0	..	..	..	..	..	
18	eL	1 56	..	..	..	..	..	
	F	2 10	..	..	..	..	..	
18	eL	23 40	..	..	..	..	..	
	F	55	..	..	..	..	..	
19	e	5 38	..	..	..	..	..	
	L	6 6	..	..	..	..	..	
	F	50	..	..	..	..	..	
21	ez	17 13 25	..	..	..	..	..	
	eL	26	..	..	..	..	..	
	F	45	..	..	..	..	..	
22	e	2 8 35	..	..	..	..	..	On vertical component.
	F	23	..	..	..	..	..	
22	e	11 39	..	..	..	..	..	
	F	43	..	..	..	..	..	
22	eL	12 54	..	..	..	..	..	
	F	13 20	..	..	..	..	..	
22/23	iP	22 43 50	..	..	..	..	7710	Compression.
	PR_1	46 40	..	..	..	..	..	Azimuth = 55°, giving
	PR_2	48 6	..	..	..	..	..	epicentre near
	eS	52 55	..	..	..	..	..	37° N., 103° E.
	M_1	52 57	18	+125	..	..	..	Liang Chow, Kansu,
	M_2	53 49	18	..	−100	..	..	China.
	SR_1	57 41	..	..	..	..	..	
	M_3	58 0	28	+ 83	..	..	..	
	M_4	58 34	28	..	+155	..	..	
	(SR_2)	23 0 26	..	..	..	..	..	
	M_5	0 38	22	+250	+115	..	..	
	L	3	..	..	..	..	..	
	M_1	7 14	11	..	..	+160	..	
	M_2	9 2	10	..	..	+(180)	..	Many of the maximum
	M_3	9·5	27	..	> 500	..	..	displacements ex-
	M_4	13 7	16	..	> 350	..	..	ceeded the range of
	M_5	16	12	..	..	> 400	..	the recorders.
	M_6	18	11	..	..	> 450	..	
	M_7	16 − 20‡	(16)	..	> 370	..	..	
	M_8	22 38	14	..	..	380	..	
	M_9	22 58	16	..	+350	..	..	
	M_{10}	24 59	12	..	..	310	..	
	M_{11}	25 1	15	..	+350	..	..	
	M_{12}	7 − 25‡	(16)	> 310	..	..	..	‡Several maxima dur-
	F	3 20	..	..	..	..	..	ing these intervals.

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
May		h. m. s.	s.	μ	μ	μ	km.	
23	eL	3 21	..	..	..	..	..	
	F	4 0	..	..	..	..	..	
23	eL	14 24	..	..	..	..	..	
	F	50	..	..	..	..	..	
23	eL	23 20	..	..	..	..	..	
	F	35	..	..	..	..	..	
24	eL	0 18	..	..	..	..	..	
	F	50	..	..	..	..	..	
24	eL	16 43	..	..	..	..	..	
	F	55	..	..	..	..	..	
25	eL	2 58	..	..	..	..	..	
	F	3 10	..	..	..	..	..	
27	eL	3 31	..	..	..	..	..	
	F	45	..	..	..	..	..	
28	eL	2 28	..	..	..	..	..	
	F	3 10	..	..	..	..	..	
June								
1	eL	17 37	..	..	..	..	..	
	F	50	..	..	..	..	..	
2	eP	16 48 25	..	..	..	..	(7470)	
	(S)	57 19	..	..	..	..	..	
	L	17 14	..	..	..	..	..	
	M_1	15 52	22	+ 7	..	..	..	
	M_2	21 30	17	..	+ 5	..	..	
	F	45	..	..	..	..	..	
3	ePz	7 27 21	..	..	..	..	12800	Near Island of Timor-
	P′z	30 58	..	..	..	..	..	laut, Malay Archi-
	PR_1	32 23	..	..	..	..	..	pelago.
	(S)	40 11	..	..	..	..	..	6° S., 130°·5 E. (Stras-
	PS	42·2	..	..	..	..	..	bourg).
	L	8 8	..	..	..	..	..	
	M_1	13 51	24	+115	..	..	..	
	M_2	16 50	28	+175	..	..	..	
	M_3	16 58	28	..	+125	..	..	
	M_4	17 16	28	..	..	+110	..	
	M_5	18 9	28	−195	..	..	..	
	M_6	19 22	22	..	+105	..	..	
	M_7	21 47	22	−92	..	..	..	
	M_8	22 50	24	..	..	+ 90	..	
	M_9	25 48	26	..	+100	..	..	
	M_{10}	30 54	21	..	..	+120	..	
	F	10 40	..	..	..	..	..	
5	iP	8 30 36	..	..	..	..	2860	Asia Minor.
	eS	35 8	..	..	..	..	..	34°·5 N., 34° E. (Stras-
	L	37	..	..	..	..	..	bourg).
	M_N	40 30	15	+17	..	..	..	
	Mz	8 42 47	16	..	..	+ 10	..	
	M_E	42 51	16	..	+ 14	..	..	
	F	9 5	..	..	..	..	..	
6	ePz	18 44 12	..	..	..	..	..	
	e	56·5	..	..	..	..	..	
	L	19 41	..	..	..	..	..	
	F	20 30	..	..	..	..	..	
10	iPz	17 20 56	..	..	..	..	9230	
	eS	31 18	..	..	..	..	..	
	L	50	..	..	..	..	..	
	F	18 20	..	..	..	..	..	
11	e_1	2 51	..	..	..	..	..	
	e_2	3 1	..	..	..	..	..	
	L	35	..	..	..	..	..	
	F	4 25	..	..	..	..	..	
14	e	4 24 39	..	..	..	..	..	Vertical record de-
	L	46	..	..	..	..	..	fective.
	F	5 15	..	..	..	..	..	
14	eL	10 28	..	..	..	..	..	
	F	38	..	..	..	..	..	
14	ePz	17 37 6	..	..	..	..	..	
	L	18 32	..	..	..	..	..	
	F	19 45	..	..	..	..	..	

SEISMOLOGICAL DIARY:—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
June		h. m. s.	s.	μ	μ	μ	km.	
18	eL	1 43	..	..	..	..	..	
	F	2 0	..	..	..	..	..	
19	eP	0 32 36	..	..	..	..	2640	
	S	36 50	..	..	..	..	..	
	L	38	..	..	..	..	..	
	M_1	39 30	17	..	+ 8	..	..	
	M_2	39 34	17	..	..	..	+10	
	M_3	40 10	14	+ 6	..	..	..	
	F	1 10	..	..	..	..	..	
20	ez	14 27 35	..	..	..	..	..	
	L	59	..	..	..	..	..	
	F	15 30	..	..	..	..	..	
24	e	0 15	..	..	..	..	..	
	F	40	..	..	..	..	..	
26	eP	11 26 5	..	..	..	..	(2690)	Felt in Crimean Peninsula.
	eS	30 (23)	..	..	..	..	..	45° N., 34° E. (Strasbourg).
	L	33	..	..	..	..	..	N-S recorder out of
	Mz	36 20	18	..	..	+10	..	action.
	M_E	36 28	18	..	+29	..	..	
	F	12 15	..	..	..	..	..	
30	eP	23 4 34	..	..	..	..	2180	Felt in Greece.
	eS	8 13	..	..	..	..	..	
	L	10	..	..	..	..	..	
	M	11 54	18	−24	−10	..	..	
	F	23 40	..	..	..	..	..	
July								
1	iP	8 23 52	..	..	..	..	2440	Dilatation.
	iS	27 52	..	..	..	..	..	Azimuth—124° E. of
	L	30	..	..	..	..	..	N., giving epicentre
								near 36° N., 23° E.
	M_1	31 36	23	+185	+115	..	..	Felt in Egypt, Greece,
	M_2	32 2	8	..	..	+50	..	Italy.
	M_3	32 59	14	−145	..	..	..	
	M_4	33 55	19	..	+62	..	..	
	M_5	34 22	9	..	..	+30	..	
	F	9 50	..	..	..	..	..	
2	eL	21 16	..	..	..	..	..	
	F	40	..	..	..	..	..	
3	ez	8 30	..	..	..	..	..	
	L	9 15	..	..	..	..	..	
	F	40	..	..	..	..	..	
3	ePz	10 51 17	..	..	..	..	..	
	e	11 7·2	..	..	..	..	..	
	L	(45)	..	..	..	..	..	
	F	12 55	..	..	..	..	..	
3	eL	22 29	..	..	..	..	..	
	F	40	..	..	..	..	..	
4	eL	14 31	..	..	..	..	..	
	F	55	..	..	..	..	..	
6	iP	0 8 26	..	..	..	..	2210	
	S	12 7	..	..	..	..	..	
	L	14	..	..	..	..	..	Feeble movement.
	F	30	..	..	..	..	..	
7	e	8 19	..	..	..	..	..	
	L	24	..	..	..	..	..	
7	eP	20 15 39	..	..	..	..	5700	Persia.
	eS	23 0	..	..	..	..	..	
	L	32	..	..	..	..	..	
	M	39 11	25	− 7	..	..	..	
	F	21 10	..	..	..	..	..	
8	eL	1 22	..	..	..	..	..	
	F	35	..	..	..	..	..	
9/10	..	..	..	..	..	..	..	No records from 21^h 10^m to 7^h 20^m.
11	ePz	8 20 44	..	..	..	..	..	
	S	31	..	..	..	..	..	
	L	50	..	..	..	..	..	
	F	9 20	..	..	..	..	..	
	iP	13 10 39	..	..	..	..	3690	Destructive in Pales-
	eS	16 8	..	..	..	..	..	tine.

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
July		h. m. s.	s.	μ	μ	μ	km.	
11	L	20	..	..	..	..	..	32°·7 N., 36°·7 E.
	M_1	24 11	18	+38	..	..	..	(Oxford).
	M_2	24 30	19	..	+16	..	..	
	M_3	25 42	22	..	..	+30	..	
	M_4	26 47	15	..	..	+10	..	
	M_5	27 2	17	+21	..	..	..	
	F	14 30	..	..	..	..	..	
12	eP	21 20 0	..	..	..	..	8720	Kurile Isles.
	iS_N	29 56	..	..	..	..	..	
	PS_N	30 38	..	..	..	..	..	
	L	46	..	..	..	..	..	
	M_1	53 18	24	..	+ 7	..	..	
	M_2	54 13	25	+7	..	..	..	
	F	22 35	..	..	..	..	..	
14	eL	13 38	..	..	..	..	..	
	F	55	..	..	..	..	..	
14/15	ePz	23 37 15	..	..	..	..	..	
	ez	40 50	..	..	..	..	..	Feeble disturbance.
	e_N	51·9	..	..	..	..	..	
	L	0 8	..	..	..	..	..	
	F	1 0	..	..	..	..	..	
15	eL	19 11	..	..	..	..	..	
	F	35	..	..	..	..	..	
16	e_1z(P)	1 35 56	..	..	..	..	(2410)	
	e_2z(S)	39 54	..	..	..	..	..	
	L	40	..	..	..	..	..	
	F	2 0	..	..	..	..	..	
16	e_1z(P)	2 20 56	..	..	..	..	(2390)	Repetition of preceding disturbance.
	e_2z(S)	24 52	..	..	..	..	..	
	L	25	..	..	..	..	..	
	F	41	..	..	..	..	..	
17	eL	9 51	..	..	..	..	..	
	F	10 10	..	..	..	..	..	
17/18	..	..	..	..	..	..	..	No records from 20^h 53^m to 6^h 47^m.
17	eL	11 48	..	..	..	..	..	
	F	12 5	..	..	..	..	..	
18	ez(P)	11 39 46	..	..	..	..	..	
	e	44 17	..	..	..	..	..	
	L	12 (33)	..	..	..	..	..	
	M_1	48 45	24	..	+ 4	..	..	
	M_2	51 7	22	+ 6	..	..	..	
	M_3	51 25	22	..	..	+ 7	..	
	F	13 30	..	..	..	..	..	
22	eP_E	4 3 5	..	..	..	..	4670	
	S	9 29	..	..	..	..	..	Vertical record de-
	L	14	..	..	..	..	..	fective.
	M_1	21 5	19	+30	..	..	..	Persia. 35°·5 N., 55° E.
	M_2	21 32	21	..	−40	..	..	(Oxford).
	M_3	23 42	26	−56	..	..	..	
	M_4	23 57	22	..	+32	..	..	
	F	6 10	..	..	..	..	..	
23	e	8 52	..	..	..	..	..	
	L	9 2	..	..	..	..	..	
	F	40	..	..	..	..	..	
23	eL	18 15	..	..	..	..	..	
	F	35	..	..	..	..	..	
23	iPz	20 25 57	..	..	..	..	(4600)	Probably a repetition
	eS	32 (17)	..	..	..	..	..	of July 22nd, 4^h.
	L	38·7	..	..	..	..	..	
	M_1	44 0	(18)	+ 8	..	..	..	
	M_2	44 27	20	..	+10	..	..	
	M_3	46 24	20	+14	..	..	..	
	M_4	46 51	20	..	+10	..	..	
	F	21 50	..	..	..	..	..	
23	iPz	22 48 27	..	..	..	..	(4600)	Repetition of preceding disturbance.
	eS	54 (47)	..	..	..	..	..	
	L	23 1·5	..	..	..	..	..	
	M_1	6 31	18	+ 5	..	..	..	
	M_2	6 58	19	..	− 7	..	..	
	M_3	8 56	(18)	+ 9	..	..	..	
	M_4	9 23	(20)	..	+ 7	..	..	
	F	0 0	..	..	..	..	..	

SEISMOLOGICAL DIARY:—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
July								
24	eLz	14 34	..	..	..	..	..	
	F	43	..	..	..	..	..	
25	eL	4 9	..	..	..	..	..	
	F	45	..	..	..	..	..	
25	..	..	..	..	..	..	..	No records from 09h 25m to 11h 58m.
25	e_1	20 41 25	..	..	..	..	..	Felt in S.E. Austria.
	e_2	42 6	..	..	..	..	..	
	F	48	..	..	..	..	..	
27	ez	15 44	..	..	..	..	..	
	F	16 1	..	..	..	..	..	
28	e	6 57	..	..	..	..	..	
	F	7 8	..	..	..	..	..	
28	iPz	16 29 13	..	..	..	..	8050	
	eS	38 35	..	..	..	..	..	Compression.
	L	52	..	..	..	..	..	
	M_1	55 22	31	+13	..	..	..	Alaska.
	M_2	56 22	29	..	+17	..	..	56° N., 159° W., (Strasbourg).
	M_3	59 20	24	..	..	+10	..	
	M_4	59 26	23	+11	..	..	..	
	M_5	17 0 43	23	+10	..	..	..	
	M_6	1 11	21	..	..	−10	..	
	M_7	1 20	21	..	+ 5	..	..	
	F	18 0	..	..	..	..	..	
29	iPz	0 15 7	..	..	..	..	(8560)	Compression.
	eS	24 (55)	..	..	..	..	..	
	L	45	..	..	..	..	..	
	M_1	46 45	25	+ 7	..	..	..	
	M_2	54 19	18	..	..	− 8	..	
	M_3	55 16	18	..	+ 6	..	..	
	F	1 35	..	..	..	..	..	
30	eL	15 3	..	..	..	..	..	
	F	30	..	..	..	..	..	
31	eL	21 8	..	..	..	..	..	
	F	15	..	..	..	..	..	
Aug.								
1	ePz	11 42 19	..	..	..	..	8250	
	eS	51 51	..	..	..	..	..	
	L	12 18	..	..	..	..	..	
	F	40	..	..	..	..	..	
1	ez	17 18	..	..	..	..	..	
	L	45	..	..	..	..	..	
	F	18 30	..	..	..	..	..	
1	ez	18 59	..	..	..	..	..	
	L	19 28	..	..	..	..	..	
	F	20 35	..	..	..	..	..	
2	ez(P)	1 1 47	..	..	..	..	..	
	L	17	..	..	..	..	..	
	F	35	..	..	..	..	..	
3	eL	7 11	..	..	..	..	..	
	F	20	..	..	..	..	..	
3	..	..	..	..	..	..	..	9h 12m —11h 47m.*
	..	..	..	..	..	..	..	13h 10m—15h 12m.*
4	..	..	..	..	..	..	..	9h 16m—11h 38m.*
								*Records incomplete, standardisations in progress.
4	e	16 9	..	..	..	..	..	
	F	17 10	..	..	..	..	..	
5	iP	21 25 31	..	..	..	..	9170	Compression.
	PR_1	28 50	..	..	..	..	..	Azimuth—28° E. of N. (±4°).
	iS	35 50	..	..	..	..	..	Epicentre near 40° N., 141° E.
	(PS)	36 17	..	..	..	..	..	Destructive in Fukushima and Sendai, N.E. Japan.
	SR_1	41·8	..	..	..	..	..	
	L	51	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Aug.								
5 cont.	M_1	56 1	36	..	−180	..	..	
	M_2	57 28	32	−125	..	..	..	
	M_3	58 25	30	..	+125	..	..	
	M_4	22 2 35	25	+87	..	..	..	
	M_5	22 3 33	23	..	+99	..	..	
	M_6	5 5	23	..	..	+150	..	
	M_7	5 8	24	+125	..	..	..	
	M_8	5 37	22	..	+78	..	..	
	M_9	7 50	20	..	..	+100	..	
	M_{10}	8 5	20	..	−51	..	..	
	M_{11}	8 13	19	+61	..	..	..	
	M_{12}	9 30	18	..	+50	..	..	
	F	0 30	..	..	..	..	..	
6	iP	0 25 23	..	..	..	..	8050	Compression.
	eS	34 45	..	..	..	..	..	
	L	49	..	..	..	..	..	
	M_1	51 30	31	+11	..	..	..	57° N., 159° W. (U.S.C. & G.S.).
	M_2	52 1	28	..	+10	..	..	
	M_3	57 18	21	..	..	−10	..	
	F	2 0	..	..	..	..	..	
7	eNE	6 40 50	..	..	..	..	..	No vertical component record.
	L	42·5	..	..	..	..	..	
	M_1	43 5	15	..	+ 4	..	..	
	M_2	43 12	15	−10	..	..	..	
	F	53	..	..	..	..	..	
7	eL	22 6	..	..	..	..	..	
	F	25	..	..	..	..	..	
8	e	0 2	..	..	..	..	..	
	F	10	..	..	..	..	..	
8	ez(P)	0 30 (32)	..	..	..	..	(2560)	
	eH(S)	34 (42)	..	..	..	..	..	
	L	38	..	..	..	..	..	
	F	45	..	..	..	..	..	
8	ez(P)	1 9 (33)	..	..	..	..	(7200)	
	eH(S)	19 12	..	..	..	..	..	
	L	35	..	..	..	..	..	
	F	2 15	..	..	..	..	..	
8	ez(P)	3 49 30	..	..	..	..	2680	
	eH(S)	53 49	..	..	..	..	..	
	L	58	..	..	..	..	..	
	F	4 5	..	..	..	..	..	
8	e_1z	19 2 34	..	..	..	..	..	
	e_2z	4 40	..	..	..	..	..	
	L	(28)	..	..	..	..	..	
	F	20 5	..	..	..	..	..	
9	eL	1 57	..	..	..	..	..	
	F	2 20	..	..	..	..	..	
10	iPz	1 47 36	..	..	..	..	8860	Dilatation.
	S	57 39	..	..	..	..	..	Near Costa Rica.
	PS	58 30	..	..	..	..	..	8° N., 80°·5 W. (Strasbourg).
	L	2 9	..	..	..	..	..	
	M_1	12 35	24	+16	..	..	..	
	M_2	13 59	27	..	+29	..	..	
	M_3	16 20	25	−12	..	..	..	
	M_4	17 7	22	..	+28	..	..	
	M_5	17 13	22	..	..	+30	..	
	M_6	19 38	20	..	−21	..	..	
	M_7	20 38	18	..	..	−20	..	
	M_8	21 52	18	+13	..	..	..	
	F	4 0	..	..	..	..	..	
10	e(PR_1)	11 55·5	..	..	..	..	..	Commencement confused by wind disturbance.
	iN	12 2 2	..	..	..	..	..	
	L	31	..	..	..	..	..	No vertical component record.
	M_1	33 29	33	+66	..	..	..	
	M_2	40 2	21	..	+62	..	..	
	M_3	41 17	23	+67	..	..	..	
	M_4	41 49	20	..	+68	..	..	
	M_5	45 34	22	..	+48	..	..	4°S., 130°E., Island of Ceram (U.S.C. & G.S.)
	M_6	47 34	22	+48	..	..	..	
	M_7	48 42	21	..	+43	..	..	
	M_8	55 1	22	+43	..	..	..	
	F	14 20	..	..	..	..	..	

SEISMOLOGICAL DIARY:—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Aug. 11 to 18	..	9 0	..	..	..	..	..	Vertical component seismograph out of action for clock repairs.
	..	10 45	..	..	..	..	..	
12	e	0 56 33	..	..	..	..	..	
	L	1 27	..	..	..	..	..	
	F	45	..	..	..	..	..	
12	e	10 42	..	..	..	..	..	Records confused by wind disturbance.
	F	11 5	..	..	..	..	..	
12	e	16 48	..	..	..	..	..	
	F	17 5	..	..	..	..	..	
13	e	1 2 31	..	..	..	..	..	Felt in Canton of Grisons, Switzerland.
	F	5	..	..	..	..	..	
16	e	21 (40)	..	..	..	..	..	
	L	22 8	..	..	..	..	..	
	F	40	..	..	..	..	..	
18	eP	19 40 42	..	..	..	..	..	
	? S or ScPcS	51 14	..	..	..	..	9440 or	Japan.
	(iS$_E$)	51 32	..	..	..	..	9830	
	(PS)	52 31	..	..	..	..	..	
	L	20 8	..	..	..	..	..	
	M_1	19 44	18	..	+46	..	..	
	M_2	22 43	21	+55	..	..	..	
	M_3	25 1	16	−54	..	..	..	
	M_4	25 44	16	..	..	+40	..	
	M_5	26 20	14	..	−37	..	..	
	M_6	27 59	15	+46	..	..	..	
	M_7	31 7	14	..	..	..	..	
	F	22 50	..	..	..	+40	..	
20	eL	0 5	..	..	..	..	..	
	F	30	..	..	..	..	..	
20	(ez)	21 54	..	..	..	..	..	
	L	22 21	..	..	..	..	..	
	F	23 0	..	..	..	..	..	
21	iP$_{z,E}$	0 6 46	..	..	..	..	8900	Dilatation.
	iS$_{N,E}$	16 51	..	..	..	..	..	Epicentre:— Central America.
	SR$_1$	22 22	..	..	..	..	..	4° N., 82° W. (U.S.C. & G.S.).
	L	28	..	..	..	..	..	
	M_1	34 27	25	..	+60	..	..	
	M_2	35 18	25	+20	..	..	..	
	M_3	35 48	21	..	..	+60	..	
	M_4	37 15	21	..	−47	..	..	
	M_5	37 20	21	..	..	−60	..	
	F	2 50	..	..	..	..	..	
21	eL$_z$	10 58	..	..	..	..	..	Horizontal records confused by wind disturbance.
	F	11 8	..	..	..	..	..	
23	e(P)	6 42 (4)	..	..	..	..	..	
	eS	52·5	..	..	..	..	..	
	L	7 12	..	..	..	..	..	
	M_1	21 56	17	..	+ 8	..	..	
	M_2	25 38	17	−10	..	..	..	
	M_3	34 42	12	..	..	+ 7	..	
	F	8 10	..	..	..	..	..	
24	eP$_z$	9 8 55	..	..	..	..	(9110)	
	eS$_z$	19 (11)	..	..	..	..	..	9^h 47^m to 9^h 52^m— Records lost owing to changing of charts.
	L	38	..	..	..	..	..	
	F	10 25	..	..	..	..	..	
24	eL	16 8	..	..	..	..	..	
	F	33	..	..	..	..	..	
24	eP$_z$	18 21 54	..	..	..	..	(9400)	Destructive at Tainan, Formosa.
	i(P)	22 2	..	..	..	..	..	
	PR$_1$	25 32	..	..	..	..	..	
	eS	32 24	..	..	..	..	..	
	L	52	..	..	..	..	..	
	M_1	58 36	21	+15	..	..	..	
	M_2	58 47	21	..	+16	..	..	
	M_3	19 5 52	18	−24	−17	..	..	
	M_4	6 6	16	..	..	−30	..	
	F	20 40	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Aug. 25	eL	0 43	..	..	..	..	..	
	F	1 5	..	..	..	..	..	
25	e	17 20 57	..	..	..	..	..	
	L	48	..	..	..	..	..	
	F	18 20	..	..	..	..	..	
25	eL	23 35	..	..	..	..	..	
	F	50	..	..	..	..	..	
26	eL	16 51	..	..	..	..	..	
	F	17 0	..	..	..	..	..	
29	eL	6 23	..	..	..	..	..	
	F	42	..	..	..	..	..	
29	eL	8 24	..	..	..	..	..	
	F	55	..	..	..	..	..	
29	eL	18 31	..	..	..	..	..	
	F	38	..	..	..	..	..	
Sept. 2	e	3 10	..	..	..	..	..	
	F	13	..	..	..	..	..	
3	P,i$_z$,e$_{N,E}$	19 57 8	..	..	..	..	5930	Compression.
	(PR$_2$)	20 0 3	..	..	..	..	..	Atlantic Ocean.
	iS$_{N,E}$	4 41	..	..	..	..	..	12° N., 45°W. (Strasbourg).
	iS$_z$	4 46	..	..	..	..	..	
	L	10 35	..	..	..	..	..	
	M_1	13 24	24	..	+48	..	..	
	M_2	13 30	14	+30	..	..	..	
	M_3	16 23	15	−25	..	..	..	
	M_4	16 50	17	..	+32	..	..	
	M_5	17 21	16	..	..	−50	..	17^m to 21^m—long group of waves with practically constant maxima.
	M_6	19 24	16	+24	..	..	..	
	F	22 0	..	..	..	..	..	
5	eL	1 51	..	..	..	..	..	
	F	2 20	..	..	..	..	..	
5	eL	20 37	..	..	..	..	..	
	F	50	..	..	..	..	..	
6	e	7 25	..	..	..	..	..	
	F	45	..	..	..	..	..	
7	..	..	..	..	..	..	..	9^h 21^m to 10^h 13^m. No records.
7	ez	13 20	..	..	..	..	..	
	L	33	..	..	..	..	..	
	F	14 15	..	..	..	..	..	
7	ez	20 17·4	..	..	..	..	..	
	L	21 20	..	..	..	..	..	
	F	22 15	..	..	..	..	..	
8	P	8 56 43	..	..	..	..	1620	Felt at Alhucemas and Melilla, Morocco.
	S$_E$	59 31	..	..	..	..	..	
	e$_N$	59 56	..	..	..	..	..	35° 21′ N., 3° 40′ W., according to Spanish stations.
	L	9 1	..	..	..	..	..	
	M_1	2 28	11	..	+ 9	..	..	
	M_2	3 42	11	− 7	..	..	..	
	M_3	3 49	11	..	..	+ 6	..	
	F	30	..	..	..	..	..	
8	ez	17 33	..	..	..	..	..	
	L	18 18	..	..	..	..	..	
	F	19 30	..	..	..	..	..	
9	eL	0 22	..	..	..	..	..	
	F	40	..	..	..	..	..	
10	eL$_{N,E}$	4 27	..	..	..	..	..	4^h 29^m to 9^h 53^m. No vertical component record.
	F	43	..	..	..	..	..	
10	eL$_{z,E}$	17 19	..	..	..	..	..	13^h 1^m on 10th to 6^h 54^m on 11th.— No North component record.
	F	50	..	..	..	..	..	
11	eP$_{z,E}$	22 21 2	..	..	..	..	2640	Compression.
	iP	21 12	..	..	..	..	..	Azimuth—96° E. of N.
	eS	25 18	..	..	..	..	..	This gives epicentre— 43° N., 34° E.

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Sept. 11 cont.	iS	22 25 28	..	..	..	..	..	From Strasbourg and Kew figures, epicentre =45° N., 34° E.
	$L_{N,E}$	27 18	..	..	..	..	..	
	M_1	28 35	29	+360	..	..	..	Destructive in Crimea and on North coasts of Black Sea.
	M_2	29 12	(28)	..	+135	..	..	
	M_3	32 19	14	..	−165	−120	..	A repetition of the quake of 26th June, 1927.
	M_4	32 40	19	−185	..	..	..	
	M_5	33 17	12	..	..	+ 90	..	
	M_6	34 43	11	..	+ 91	..	..	
	M_7	35 14	20	+120	..	..	..	
	M_8	36 16	11	..	+ 86	..	..	
	M_9	36 19	10	..	..	−130	..	
	M_{10}	37 12	10	..	..	+ 50	..	
	M_{11}	38 22	13	..	− 81	..	..	
	M_{12}	40 34	18	+ 69	..	..	..	
	F	?	..	..	..	..	..	Overlapped by next shock.
11/12	ePz	23 49 50	..	..	..	..	2800	Repetition of preceding quake.
	eS_E	54 18	..	..	..	..	..	
	L	56·1	..	..	..	..	..	
	M_1	59 38	12	+ 7	..	..	..	
12	M_2	0 3 6	12	..	− 7	..	..	
	M_3	4 55	10	..	..	+ 8	..	
	F	1 45	..	..	..	..	..	
	ePz	3 25 22	..	..	..	..	2750	Compression.
	eS	29 46	..	..	..	..	..	Repetition of Crimean quake.
	iS	29 52	..	..	..	..	..	
	L	31·8	..	..	..	..	..	
	M_1	34 53	11	+28	..	..	..	
	M_2	35 52	10	..	..	+20	..	
	M_3	38 45	10	..	..	+20	..	
	M_4	38 47	11	..	+20	..	..	
	M_5	38 49	11	−21	..	..	..	
	M_6	39 43	10	..	+20	..	..	
	M_7	39 46	10	..	..	−30	..	
	M_8	40 16	10	−21	..	..	..	
	F	4 40	..	..	..	..	..	
12	eP	6 38 43	..	..	..	..	2730	Repetition of Crimean quake.
	eS	43 6	..	..	..	..	..	
	L	45 11	..	..	..	..	..	
	M_1	48 10	12	+ 5	..	..	..	
	M_2	51 58	12	..	− 3	..	..	
	M_3	52 57	10	..	..	+ 4	..	
	F	7 15	..	..	..	..	..	
12	e	7 51	..	..	..	..	..	
	F	8 6	..	..	..	..	..	
12	ePz	13 6 41	..	..	..	..	..	? Repetition of Crimean quake.
	L	15	..	..	..	..	..	
	F	30	..	..	..	..	..	
12	ePz	14 29 12	..	..	..	..	2640	Repetition of Crimean quake.
	iP	29 21	..	..	..	..	..	
	eS_E	33 28	..	..	..	..	..	
	iS	33 38	..	..	..	..	..	
	L	35·8	..	..	..	..	..	
	M_1	37 8	23	+16	..	..	..	
	M_2	38 55	11	+13	..	..	..	
	M_3	39 30	18	..	..	+20	..	
	M_4	39 36	16	+11	..	..	..	
	M_5	39 37	18	..	+20	..	..	
	M_6	41 17	12	..	..	− 8	..	
	M_7	42 36	12	..	+ 8	..	..	
	M_8	44 27	10	..	..	− 9	..	
	F	15 20	..	..	..	..	..	
12	eP	19 36 (22)	..	..	..	..	(2690)	Repetition of Crimean quake.
	eS	40 42	..	..	..	..	..	
	L	44·1	..	..	..	..	..	
	F	20 0	..	..	..	..	..	
13	iPz_N	10 35 30	..	..	..	..	..	Compression. Probably very distant.
	L	11 25	..	..	..	..	..	
	F	12 35	..	..	..	..	..	
14	e_E	2 42 41	..	..	..	..	..	21^h on 13th to 6^h 53^m on 14th—No vertical component record.
	L	46	..	..	..	..	..	
	F	3 40	..	..	..	..	..	
16	eL	8 33	..	..	..	..	..	
	F	50	..	..	..	..	..	
Sept. 16	ez	15 58 41	..	..	..	..	..	
	L	16 27	..	..	..	..	..	
	F	17 5	..	..	..	..	..	
17	eL	1 37	..	..	..	..	..	
	F	2 10	..	..	..	..	..	
17	e	15 57	..	..	..	..	..	
	F	16 10	..	..	..	..	..	
18	eL	2 44	..	..	..	..	..	
	F	3 40	..	..	..	..	..	
18	eL	6 36	..	..	..	..	..	
	F	7 0	..	..	..	..	..	
19	eL_Z	9 42	..	..	..	..	..	Horizontal components disturbed by wind.
	F	10 5	..	..	..	..	..	
23	iPz_{E}	14 3 53	..	..	..	..	6130	Compression.
	eS	11 36	..	..	..	..	..	
	SR_1	15·6	..	..	..	..	..	Probably in Mongolia; 45° N., 85° E. (Strasbourg).
	L	22	..	..	..	..	..	
	M_1	25 55	13	+40	..	..	..	
	M_2	29 13	16	..	+29	..	..	
	M_3	29 18	14	..	..	−30	..	
	F	15 0	..	..	..	..	..	
24	ePz	6 19 15	..	..	..	..	(2680)	Probably a repetition of Crimean quake.
	eS_E	23 34	..	..	..	..	..	
	iS_E	23 41	..	..	..	..	..	
	L	24·5	..	..	..	..	..	
	M_1	27 28	19	+14	..	..	..	
	M_2	29 36	15	..	+11	..	..	
	M_3	30 24	12	..	..	+ 5	..	
	M_4	32 43	12	..	..	− 6	..	
	F	7 10	..	..	..	..	..	
24	eL	18 24	..	..	..	..	..	
	F	19 10	..	..	..	..	..	
30	eL	8 23	..	..	..	..	..	
	M_1	26 52	20	..	+ 7	..	..	
	M_2	27 17	22	+ 7	..	..	..	
	F	45	..	..	..	..	..	
Oct. 1	eL	1 13	..	..	..	..	..	
	F	2 0	..	..	..	..	..	
2	ePz	5 0 (23)	..	..	..	..	..	
	S	9·5	..	..	..	..	..	
	L	24	..	..	..	..	..	
	F	50	..	..	..	..	..	
2	e	10 3	..	..	..	..	..	
	F	20	..	..	..	..	..	
2	eL	21 38	..	..	..	..	..	
	F	50	..	..	..	..	..	
4	eL	0 19	..	..	..	..	..	
	F	1 5	..	..	..	..	..	
4	eL	3 2	..	..	..	..	..	
	F	15	..	..	..	..	..	
4	eL	18 30	..	..	..	..	..	
	F	40	..	..	..	..	..	
4	eL	22 3	..	..	..	..	..	
	F	25	..	..	..	..	..	
5	eL	8 41	..	..	..	..	..	
	F	9 30	..	..	..	..	..	
5	eL	17 26	..	..	..	..	..	
	F	40	..	..	..	..	..	
7	eL	14 30	..	..	..	..	..	No E component records.
	F	45	..	..	..	..	..	
7	eL	19 55	..	..	..	..	..	
	F	20 9	..	..	..	..	..	
7	eL	22 2	..	..	..	..	..	
	F	15	..	..	..	..	..	

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
Oct.		h. m. s.	s.	μ	μ	μ	km.	
8	eL	11 8	..	..	..	..	..	
	M_1	10 3	20	+ 5	..	..	..	
	M_2	15 1	17	..	..	+ 5	..	
	M_3	15 6	17	..	+ 5	..	..	
	F	20	..	..	..	..	..	
8	eL	13 15	..	..	..	..	..	
	F	40	..	..	..	..	..	
8	(e)	19 51 46	..	..	..	..	(1240)	
	e_N(P)	52 19	..	..	..	..	..	Felt in Vienna.
	e(S)	54 31	..	..	..	..	..	
	i_N	55 7	..	..	..	..	..	
	iz	55 14	..	..	..	..	..	
	i_N	55 21	..	..	..	..	..	
	i_E	55 31	..	..	..	..	..	
	F	20 2	..	..	..	..	..	
9	eL	5 36	..	..	..	..	..	
	F	50	..	..	..	..	..	
10	eL	18 40	..	..	..	..	..	
	F	55	..	..	..	..	..	
11	eL	0 42	..	..	..	..	..	
	F	1 35	..	..	..	..	..	
11	eL	1 55	..	..	..	..	..	
	F	2 15	..	..	..	..	..	
11	eL	3 52	..	..	..	..	..	
	F	4 10	..	..	..	..	..	
11	eL	5 14	..	..	..	..	..	
	F	35	..	..	..	..	..	
11	e	14 52	..	..	..	..	..	
	F	15 2	..	..	..	..	..	No Z component record.
11	e	17 52	..	..	..	..	..	
	F	18 40	..	..	..	..	..	
12	eL	7 14	..	..	..	..	..	
	F	40	..	..	..	..	..	
12	eL	8 44	..	..	..	..	..	
	F	52	..	..	..	..	..	No N component record.
13	..	..	..	..	..	..	..	
13	eL	6 46	..	..	..	..	..	No records from $0^h\ 13^m$ to $4^h\ 26^m$.
	F	56	..	..	..	..	..	
13	e	10 9 9	..	..	..	..	..	
	L	14	..	..	..	..	..	
	F	27	..	..	..	..	..	
15	eL	7 16	..	..	..	..	..	
	F	30	..	..	..	..	..	
15	eL	11 53	..	..	..	..	..	
	F	12 20	..	..	..	..	..	
16	e	7 31	..	..	..	..	..	
	F	37	..	..	..	..	..	
16	eL	13 25	..	..	..	..	..	
	F	55	..	..	..	..	..	
16	(e)	14 30	..	..	..	..	..	
	L	59	..	..	..	..	..	
	F	15 50	..	..	..	..	..	
16	eL	16 24	..	..	..	..	..	
	F	40	..	..	..	..	..	
19	eL	14 42	..	..	..	..	..	
	F	15 10	..	..	..	..	..	
19	eL	15 30	..	..	..	..	..	
	F	40	..	..	..	..	..	
19	eL	23 18	..	..	..	..	..	
	F	55	..	..	..	..	..	
22	eL	2 55	..	..	..	..	..	
	F	3 2	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	A_E.	A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Oct.								
24	i_z,e_EP	16 10 39	..	..	..	..	7320	From (eS_E—P).
	PR_1	13 4	..	..	..	..	..	Dilatation.
	PR_2	14·6	..	..	..	..	..	Epicentre :— S.E. Alaska ; 59° N., 138° W. (J.S.A.).
	eS_E	19 24	..	..	..	..	..	
	iS_Z	19 32	..	..	..	..	..	No N component record.
	(iS_E)	19 45	..	..	..	..	..	
	(PS)	19 55	..	..	..	..	..	
	SR_{1E}	23·7	..	..	..	..	..	
	SR_2	26·9	..	..	..	..	..	
	L	31·8	..	..	..	..	..	
	M_1	33 26	26	..	−160	..	..	
	M_2	34 55	25	..	−220	..	..	
	M_3	36 11	24	..	..	+180	..	
	M_4	36 19	22	..	−155	..	..	
	M_5	37 42	20	..	+155	..	..	
	M_6	38 53	17	..	..	+170	..	
	M_7	40 3	16	..	+145	..	..	
	M_8	40 7	15	..	..	+150	..	
	L_2	18 (25)	..	..	..	..	..	
	M_9	18 34 33	22	..	+12	..	..	Long waves via the Antipodes.
	M_{10}	41 43	19	..	..	+20	..	
	M_{11}	42 32	18	..	+12	..	..	
	M_{12}	55 6	17	..	+15	..	..	
	M_{13}	58 0	16	..	..	+20	..	
	F	?	..	..	..	..	..	F masked by following disturbance.
24	eL	19 52	..	..	..	..	..	No N component record.
	F	20 45	..	..	..	..	..	
27	eLz	8 41	..	..	..	..	..	Horizontal components disturbed by wind.
	F	58	..	..	..	..	..	
27	..	..	..	..	..	..	..	No records from $17^h\ 35^m$ to $20^h\ 54^m$.
30	$iP_{N,Z}$	3 13 55	..	..	..	..	(2450)	Probably North of Azores.
	e_N(S)	17 56	..	..	..	..	..	
	L	20·0	..	..	..	..	..	
	M_1	20 55	16	..	+ 6	..	..	
	M_2	21 20	16	+ 5	..	..	..	
	F	45	..	..	..	..	..	
Nov.								
2	..	..	..	..	..	..	..	No records from 2^h to $7^h\ 30^m$.
4	eP	14 3 10	..	..	..	..	8940	Compression.
	iz	3 13	..	..	..	..	..	
	PR_1z	6 9	..	..	..	..	..	Azimuth= 313° (±4°), giving epicentre near 33° N., 120° W.
	iS	13 17	..	..	..	..	..	
	iPS	14 2	..	..	..	..	..	Destructive in California.
	SR_1	18 50	..	..	..	..	..	
	SR_2	22 35	..	..	..	..	..	
	(SR_3)	25·5	..	..	..	..	..	
	L	27	..	..	..	..	..	
	M_1	32 9	29	..	+115	..	..	
	M_2	34 9	23	..	+ 97	..	..	
	M_3	34 15	24	..	..	+130	..	
	M_4	34 24	22	+99	..	..	..	
	M_5	35 52	19	−92	..	..	..	
	M_6	36 34	19	..	+ 98	..	..	
	M_7	37 20	17	..	..	+130	..	
	M_8	38 54	17	−47	..	..	..	
	M_9	39 1	16	..	−105	..	..	
	M_{10}	39 5	15	..	..	−90	..	
	M_{11}	40 51	16	−47	− 67	..	..	
	L_2	16 6	..	..	..	..	..	Long waves via the Antipodes.
	M_{12}	22 36	21	..	+ 5	..	..	
	M_{13}	23 8	21	+10	..	..	..	
	M_{14}	23 12	21	..	..	+ 8	..	
	F	17 5	..	..	..	..	..	
5	eL	7 27	..	..	..	..	..	
	F	40	..	..	..	..	..	
6	eL	3 25	..	..	..	..	..	
	F	40	..	..	..	..	..	
7	eL	1 24	..	..	..	..	..	
	F	2 0	..	..	..	..	..	
8	ez(P)	3 23 51	..	..	..	..	(11000)	Epicentre probably in the Indian Ocean.
	$ez(PR_1)$	27·9	..	..	..	..	..	
	$e_{N,E}$	34·9	..	..	..	..	..	? ScPcS.

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.
Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Nov. 8 cont.	$e_{N,E}$(S)	3 35·8	..	..	..	..	..	
	L	59·1	..	..	..	..	..	
	M_1	4 5 59	22	+ 7	..	..	..	
	M_2	6 38	21	..	+ 8	..	..	
	M_3	11 41	18	..	+ 9	..	..	
	M_4	12 39	19	+ 8	..	..	..	
	M_5	19 7	15	..	..	+ 7	..	
	F	5 10	..	..	..	..	..	
8	eL	5 24	..	..	..	..	..	
	F	35	..	..	..	..	..	
9	eL	2 8	..	..	..	..	..	
	F	30	..	..	..	..	..	
10	eL	4 9	..	..	..	..	..	
	F	20	..	..	..	..	..	
12	eP	14 53 17	..	..	..	..	(4230)	Record disturbed by effect of wind. Persia.
	$PR_{1,Z}$	54 51	..	..	..	..	..	
	(S)	59 (17)	..	..	..	..	..	
	SR_1	15 2 (12)	..	..	..	..	..	
	L	6	..	..	..	..	..	
	M_1	10 40	20	+ 7	..	..	..	
	M_2	12 55	13	..	+ 6	..	..	
	M_3	15 26	13	..	..	+ 5	..	
	F	35	..	..	..	..	..	
12	e	22 30	..	..	..	..	..	
	F	23 0	..	..	..	..	..	
14	iP	0 21 25	..	..	..	..	5890	Dilatation.
	$PR_{1,Z}$	23 23	..	..	..	..	..	Epicentre (from Kew, Ksara, Belgrade and St. Louis data) = 70° N., 130° E. Northern Siberia.
	iS	28 55	..	..	..	..	..	
	SR_1	33 17	..	..	..	..	..	
	L	38·7	..	..	..	..	..	
	M_1	41 0	27	+33	..	..	..	
	M_2	43 21	20	..	+36	..	..	
	M_3	46 13	18	−32	..	..	..	
	M_4	47 27	15	..	+23	..	..	
	M_5	47 57	15	+42	..	..	..	
	M_6	49 58	14	..	..	+50	..	
	M_7	50 2	14	..	+39	..	..	
	F	2 0	..	..	..	..	..	
14	iP	5 5 49	..	..	..	..	5930	Dilatation.
	$PR_{1,Z}$	7 49	..	..	..	..	..	Repetition of preceding quake.
	eS	13 21	..	..	..	..	..	
	SR_1	17·7	..	..	..	..	..	
	L	21·5	..	..	..	..	..	
	M_1	25 41	28	−60	..	..	..	
	M_2	27 45	20	..	+76	..	..	
	M_3	30 37	18	−65	..	..	..	
	M_4	31 58	16	..	−47	..	..	
	M_5	32 18	17	..	..	+90	..	
	M_6	32 23	14	+97	..	..	..	
	M_7	34 26	12	..	..	+50	..	
	M_8	34 35	14	..	+51	..	..	
	F	7 5	..	..	..	..	..	
14	iPz	7 33 21	..	..	..	..	(11000)	Compression. Felt in Chili.
	PR_1	37 29	..	..	..	..	..	30°·5 S., 71° W. (J.S.A.).
	i_E	44 21	..	..	..	..	..	May be S; more probably ScPcS.
	e_E(PS)	46 46	..	..	..	..	..	
	SR_{1N}	52 44	..	..	..	..	..	
	L	8 3	..	..	..	..	..	
	M_1	8 26	31	+16	..	..	..	
	M_2	12 2	29	..	..	+30	..	
	M_3	12 10	31	..	−34	..	..	
	M_4	15 53	25	+15	..	..	..	
	M_5	20 18	19	..	+16	..	..	
	M_6	20 35	19	+15	..	..	..	
	M_7	20 40	18	..	..	+20	..	
	F	9 30	..	..	..	..	..	
14	$e_{Z,N}$	15 32	..	..	..	..	..	
	L	54	..	..	..	..	..	
	M_1	16 1 10	21	..	− 8	..	..	
	M_2	1 29	22	+12	..	..	..	
	M_3	2 18	21	..	..	+ 9	..	
	F	45	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Nov. 15	iPz	8 41 12	..	..	..	..	8440	Dilatation.
	e_S	50 54	..	..	..	..	..	Small disturbance.
	L	9 (7)	..	..	..	..	..	Probably near Kurile
	M	18	..	..	..	..	..	Isles.
	F	35	..	..	..	..	..	
15	iPz	21 58 4	..	..	..	..	(5780)	Probably a repetition
	e(S)	22 5 28	..	..	..	..	..	of the quake of
	L	17	..	..	..	..	..	Nov. 14d 0h.
	M_1	19 59	21	..	+ 4	..	..	
	M_2	24 35	15	+ 4	..	..	..	
	M_3	26 38	13	..	..	+ 5	..	
	F	50	..	..	..	..	..	
16	..	..	..	..	..	..	..	No records from 6h 54m to 9h 33m.
16	ePz	21 24 10	..	..	..	..	(11500)	Epicentre probably in Malay Archipelago.
	PR_1	28·7	..	..	..	..	..	2° S., 113° E. (U.S.C. & G.S.).
	$e_{N,E}$	34 51	..	..	..	..	..	? ScPcS.
	e	38·3	..	..	..	..	..	
	$e_{N,E}$ (SR_1)	45·2	..	..	..	..	..	
	$e_{N,E}$ (SR_2)	49·5	..	..	..	..	..	
	L	58	..	..	..	..	..	
	M_1	22 3 20	35	+73	..	..	..	
	M_2	5 21	33	..	+57	..	..	
	M_3	12 10	28	−81	..	..	..	
	M_4	12 17	27	..	..	+60	..	
	M_5	12 58	24	..	+52	..	..	
	M_6	15 22	20	..	..	+40	..	
	M_7	15 38	23	..	+46	..	..	
	M_8	16 54	22	−36	..	..	..	
	F	0 0	..	..	..	..	..	
17	$e_{E,Z}$	15 0	..	..	..	..	..	
	F	8	..	..	..	..	..	
18	e	4 6	..	..	..	..	..	Disturbed by micro-
	L	15	..	..	..	..	..	seisms.
	M	30 28	20	+ 9	+ 8	..	..	
	F	50	..	..	..	..	..	
19	eLz	8 46	..	..	..	..	..	Horizontal components
	F	9 5	..	..	..	..	..	masked by wind disturbance.
19	..	..	..	..	..	..	..	No records from 9h 32m to 10h 26m.
19	e	18 16	..	..	..	..	..	
	F	20	..	..	..	..	..	
19	eP	23 4 16	..	..	..	..	(300)	Felt in North of
	$e_{N,E}$	4 47	..	..	..	..	..	France.
	iS	4 53	..	..	..	..	..	
	F	7	..	..	..	..	..	
21	eL	19 38	..	..	..	..	..	
	F	55	..	..	..	..	..	
21/22	$e_Z(P_1)$	23 32	..	..	..	..	(13000)	Disturbed by micro-
	e_E	38·6	..	..	..	..	..	seisms.
	e_N	39·6	..	..	..	..	..	44°·8 S., 77° W., near
	e_Z	43·5	..	..	..	..	..	Patagonia (J.S.A.).
	$e_{N,E}$ (SR_1)	48	..	..	..	..	..	
	$e_{N,E}$ (SR_2)	53	..	..	..	..	..	
	L	0 1	..	..	..	..	..	
	M_1	4 3	29	..	−33	..	..	
	M_2	5 37	28	..	−38	..	..	
	M_3	7 10	24	..	+46	..	..	
	M_4	7 22	24	+47	..	..	..	
	M_5	10 43	24	..	+70	..	..	
	M_6	10 47	25	..	..	+ 70	..	
	M_7	11 19	26	+74	..	..	..	
	M_8	14 56	23	..	+86	..	..	
	M_9	15 1	23	..	..	+ 80	..	
	M_{10}	17 51	20	+58	+72	..	..	
	M_{11}	17 55	20	..	..	+100	..	

SEISMOLOGICAL DIARY :—*continued.* *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration.

Lat. 51° 28′ N. Long. 0° 19′ W. Height above M.S.L. 5 metres.

543. Richmond (Kew Observatory). **1927.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Nov.								
21/22	M_{12}	0 19 36	19	..	+50	..	..	
cont.	M_{13}	20 45	19	−44	−51	..	..	
	M_{14}	20 50	19	..	..	−70	..	
	M_{15}	22 54	19	..	+23	..	..	
	F	2 20	..	..	..	..	..	
22	e	13 41	..	..	..	..	..	
	F	55	..	..	..	..	..	
23	e	1 3	..	..	..	..	..	
	F	15	..	..	..	..	..	
26	(ezP)*	13 7 51	..	..	..	..	(8270)	*May be microseism.
	$i_{N,E}$(S)	17 24	..	..	..	..	..	
	$e_{N,E}$(PS)	18 1	..	..	..	..	..	
	iz	19 26	..	..	..	..	..	
	L	33	..	..	..	..	..	Surface phase very feeble.
	M_E	39	..	..	..	..	..	
	F	14 5	..	..	..	..	..	
Dec.								
1	e	5 2	..	..	..	..	..	Very distant.
	L	30	..	..	..	..	..	
	M_1	36 55	29	+13	..	..	..	Destructive at Dong-gala and Paloe, Central Celebes (according to Batavia).
	M_2	38 58	27	..	+11	..	..	
	M_3	50 32	21	+10	..	..	..	
	M_4	58 4	18	..	+ 5	..	..	
	M_5	59 8	18	+ 7	..	..	..	
	F	6 10	..	..	..	..	..	
1	e	23 15	..	..	..	..	..	
	F	25	..	..	..	..	..	
5	eL	18 48	..	..	..	..	..	
	F	19 5	..	..	..	..	..	
11	eLz	17 0	..	..	..	..	..	No N record. E record disturbed by wind.
	F	19 0	..	..	..	..	..	
12	ez	14 40	..	..	..	..	..	
	F	15 35	..	..	..	..	..	
12	(ez)	19 13	..	..	..	..	..	No N record.
	L	20 20	..	..	..	..	..	
	F	50	..	..	..	..	..	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Amplitudes. A_Z.	△	Remarks.
		h. m. s.	s.	μ	μ	μ	km.	
Dec.								
13	ez	1 1	..	..	..	..	..	No N record.
	F	10	..	..	..	..	..	
17	..	..	..	..	..	..	..	No records from $9^h\ 30^m$ to $10^h\ 37^m$ (oiling clocks).
28	ez	9 6 26	..	..	..	..	..	Earlier phases masked by microseisms and wind.
	L	34	..	..	..	..	..	
	F	10 10	..	..	..	..	..	
28	ePz	18 31 56	..	..	..	..	8190	Dilatation.
	PR_1	34 43	..	..	..	..	..	
	PR_2z	36 24	..	..	..	..	..	
	iS_E	41 25	..	..	..	..	..	56° N., 163° E., Kamtchatka (Strasbourg).
	$PS_{E,z}$	41 58	..	..	..	..	..	
	$SR_{1N,E}$	46 18	..	..	..	..	..	
	L_E	51·6	..	..	..	..	..	
	M_1	53 54	33	..	+135	..	..	
	L_N	54	..	..	..	..	..	
	M_2	19 0 32	29	−78	..	..	..	
	M_3	2 20	28	+70	..	..	..	
	M_4	2 39	22	..	+ 74	..	..	
	M_5	4 32	21	−96	+145	..	..	
	M_6	5 35	20	+82	..	..	..	
	M_7	6 35	18	..	−110	..	..	
	M_8	9 25	21	..	+ 85	..	..	
	M_9	12 27	14	..	..	+50	..	
	L_2	20 (50)	..	..	..	..	..	Long waves via the Antipodes.
	F	22 0	..	..	..	..	..	
30	eL	13 0	..	..	..	..	..	
	F	30	..	..	..	..	..	
31	eL	0 5	..	..	..	..	..	
	F	35	..	..	..	..	..	
31	eL	19 42	..	..	..	..	..	
	F	20 5	..	..	..	..	..	

Derived from readings for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

544. Richmond (Kew Observatory). **1927.**

Month	January.								February.								March.							
Hour G.M.T.	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.
Day.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·6	6	1·4	5	2·3	5	1·8	5	1·8	6	1·7	6·5	1·4	6	1·5	5·5	1·9	5·5	1·8	6	1·4	5	1·4	6
2	1·9	5·5	2·1	5·5	2·1	5·5	1·6	5	0·9	5	0·7	4·5	1·4	4·5	1·7	4·5	1·4	5	1·0	4·5	0·8	4	0·8	4
3	1·4	5	1·1	5	0·7	4·5	1·2	6	1·6	5	...	...	1·7	5·5	1·6	6	1·4	5	1·7	4·5	2·0	6	...	...
4	2·1	6·5	2·6	6	1·9	6·5	2·9	6·5	1·8	6	1·9	6·5	2·0	6	1·9	6·5	2·1	6·5	2·0	7	2·0	6	2·3	7
5	2·3	6·5	2·3	6·5	2·3	6·5	3·6	6·5	1·9	6·5	1·9	6·5	1·8	6	1·8	6	3·6	7	3·6	7	2·3	6·5	2·3	7
6	2·9	6·5	2·7	6·5	3·1	7	6·3	7·5	2·2	7	3·4	8	2·9	9	3·3	8	2·2	7	2·3	6 5	1·7	5·5	1·6	5
7	6·7	7·5	4·9	8	4·6	8	3·4	7	2·8	8	2·1	8	2·0	8	1·8	7	1·9	5·5	1·7	5·5	...	...	1·6	5
8	2·3	7	2·0	7	1·4	7	1·5	6·5	2·4	7·5	2·2	7	2·0	7	1·8	7	2·1	5·5	2·0	6	1·9	5·5	1·9	5·5
9	1·6	6	2·0	6	1·8	6	1·3	6·5	2·0	7	1·7	6·5	1·5	6·5	1·6	7	1·9	5·5	2·1	5·5	1·7	5·5	1·4	5
10	2·0	6	2·1	6·5	1·4	6	1·4	6	1·1	6·5	1·1	6·5	1·4	7	1·8	7	1·1	5	1·4	5	1·4	5	1·8	5
11	1·5	6·5	0·9	5·5	0·7	5	0·7	5	1·8	7	1·9	6·5	1·1	6·5	1·6	6	1·1	5	0·9	5	1·0	4·5	0·7	4·5
12	1·1	5·5	0·9	5·5	0·9	5	1·5	5·5	0·8	6	1·0	6·5	0·8	6·5	1·1	5·5	0·7	4·5	0·5	4	0·5	4	0·5	4
13	2·3	7	5·6	7·5	6·5	7·5	5·2	7	1·1	5·5	1·1	5	1·1	5·5	1·3	5·5	0·5	4	0·6	3·5	0·3	3·5	0·3	3·5
14	3·6	7	3·2	7	3·1	7·5	2·9	7	1·3	6·5	1·7	7·5	1·4	7	1·4	7	0·5	4	0·8	4	0·7	5	1·4	5
15	2·9	6·5	2·0	6	1·9	7·5	3·4	7·5	1·3	6·5	1·4	6	1·7	6·5	1·3	6·5	1·6	5	1·8	5	1·7	5·5	1·6	5
16	5·1	8	3·4	8	3·1	7·5	2·2	7·5	1·6	6	1·3	5·5	1·6	6	1·3	5·5	1·6	5	1·4	4·5	1·9	5·5	2·3	5
17	2·3	7	2·3	6·5	1·9	6·5	1·9	6·5	1·3	5·5	1·2	6	1·2	6	1·4	6	2·3	5	2·1	5·5	1·8	5	2·0	6
18	1·4	7	1·4	7	1·4	5	1·6	6	1·2	6	1·2	6	1·0	6	0·9	5·5	1·3	5·5	...	...	1·3	6·5	1·3	6·5
19	1·6	5	1·1	5	1·9	5·5	1·7	5·5	0·9	5	0·9	5·5	1·1	5·5	1·1	5	1·4	7	1·1	7	1·6	7	1·6	7
20	1·7	5·5	1·5	6·5	1·4	6	1·1	6·5	0·9	5	0·9	5·5	1·0	6	0·8	6	1·7	6·5	1·4	7	1·2	6	1·0	6
21	1·2	6	1·6	6	1·8	7	2·7	7·5	1·0	6	1·0	6	...	...	0·5	4·5	0·8	6	0·6	6	1·0	4·5	0·7	5
22	2·2	7	2·2	7	2·9	7	2·3	7	1·0	6	0·9	5	1·4	4·5	1·6	5	0·7	5	0·9	5	0·7	5	0·9	5·5
23	2·1	6·5	1·8	7	...	...	2·0	8	1·8	7	2·0	7	2·3	7	2·4	7·5	1·6	5	1·5	5·5	1·6	5	1·8	6
24	2·1	8	3·4	7·5	4·3	7·5	5·1	7·5	2·0	6	1·7	6·5	1·8	5	1·6	5	2·3	7	2·0	7	2·2	6	2·5	6·5
25	5·5	7·5	5·3	7·5	6·5	7·5	5·7	8	1·7	5·5	1·5	5·5	1·6	6	2·0	6	2·4	6	2·1	7·5	...	...	3·2	7·5
26	5·2	8	5·0	7·5	3·8	7·5	3·8	7·5	2·1	6·5	2·0	6	2·4	5·5	2·8	5·5	3·2	7·5	3·4	7·5	...	...	3·2	7·5
27	3·4	7·5	3·4	6·5	2·7	6·5	3·4	6·5	2·2	6	2·3	6·5	2·1	5·5	1·9	5·5	3·8	7	3·2	7·5	3·4	7·5	2·9	7·5
28	3·4	7·5	4·4	7·5	6·3	7	6·8	7·5	2·0	6	2·3	6·5	2·0	6	...	...	3·1	7·5	2·1	7·5	2·2	7	1·3	7
29	5·9	8	5·1	7·5	4·0	7	5·2	7									1·1	7	1·1	7	...	...	1·0	6
30	5·6	7	4·9	7	4·0	7	2·8	6									1·0	7·5	1·4	7	1·3	6·5	2·1	6·5
31	3·2	6·5	2·6	6	2·8	5·5	2·1	5·5									2·1	6·5	2·3	7	2·7	7	2·0	7
Mean ...	2·8	6·7	2·7	6·6	2·8	6·5	2·9	6·6	1·6	6·2	1·6	6·3	1·6	6·2	1·6	6·0	1·7	5·8	1·7	5·9	1·6	5·6	1·7	5·8
Mean for day ...	A = 2·8μ; T_p = 6·6s.								A = 1·6μ; T_p = 6·1s.								A = 1·7μ; T_p = 5·8s.							

Month	April.								May.								June.							
Hour G.M.T.	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.
Day.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	2·2	7	1·9	6·5	1·8	6	1·6	7	0·5	4·5	0·5	4	0·3	4	0·7	4·5	0·6	3·5	0·5	4	0·3	3·5	0·3	3·5
2	1·7	6·5	1·6	7	1·3	6·5	1·5	6·5	1·0	4·5	0·8	4	0·8	4	0·5	4	0·5	2	0·3	3·5	0·3	3·5	0·3	4
3	1·1	6·5	1·0	6	0·5	4·5	0·5	5	0·3	3·5	0·6	3·5	0·5	4·5	0·7	4·5	0·3	4·5	0·7	5	0·5	5	0·5	5
4	0·6	5·5	0·4	5·5	0·5	5	0·7	5	0·7	4·5	0·7	4·5	0·5	4·5	0·7	5	0·7	5	0·7	5	0·3	4·5	0·2	5
5	0·7	5	1·1	5	1·7	5·5	1·4	6	0·5	5	0·5	5	0·2	5	0·2	4·5	0·2	5	0·5	4·5	0·5	5	0·5	5
6	1·6	6	1·9	5·5	1·5	5·5	1·2	6	0·5	5	0·5	5	0·3	4	0·2	4·5	0·9	5	1·1	5	0·7	4·5	0·5	5
7	1·2	6	1·3	5·5	1·2	6	1·0	6	0·2	5	0·2	5	0·2	5	0·2	5	0·5	5	0·5	5	0·5	5	0·5	5
8	1·1	5·5	0·9	5	0·9	5·5	0·9	5	0·2	5	0·2	5	0·2	5	0·2	5	0·5	5	0·5	5	0·2	5	0·2	5
9	1·3	5·5	1·1	5·5	0·9	5	1·1	5	0·2	4·5	0·5	5	0·2	5	0·5	5	0·2	5	0·2	5	...	...	0·2	5
10	0·7	5	1·0	4·5	0·5	5	0·5	4·5	0·7	5	0·9	5	0·5	5	0·7	5	0·3	4·5	0·3	4·5	0·3	4·5	0·5	5
11	0·7	4·5	0·5	4·5	0·5	4	1·0	6·5	0·7	4·5	0·8	4	0·7	4·5	0·7	4·5	0·7	4·5	0·7	4·5	0·5	5	0·5	5
12	1·6	7	1·7	6·5	1·2	6	1·4	6	0·5	4·5	0·5	4·5	0·3	4	0·5	5	0·5	4·5	0·5	4·5	0·5	4·5	0·5	4·5
13	1·4	6	1·1	5·5	1·3	5·5	1·2	6	0·5	5	0·5	5	0·4	5·5	0·4	6	0·5	4·5	0·5	4·5	0·2	5	0·2	5
14	1·0	6	0·9	5 5	0·7	5	1·2	6	0·5	5	0·2	4·5	0·2	5	0·7	3	0·2	5	0·2	5	0·2	5	0·2	5
15	1·2	6	1·4	6	1·5	6·5	1·3	6·5	0·7	3	0·5	4	0·2	4·5	0·2	5	0·3	4·5	0·3	4·5	0·5	4·5	0·5	5
16	1·4	6	1·4	6	1·2	6	1·2	6	0·2	5	0·2	5	0·2	4·5	0·2	5	0·7	5	0·7	4·5	0·9	5	0·9	5
17	1·0	6	1·0	6	1·4	6	1·7	6·5	0·3	4	0·6	3·5	0·3	3·5	0·3	4	1·1	6·5	1·1	5	1·1	5·5	1·1	5
18	1·3	6·5	1·4	6	1·1	6·5	1·7	6·5	0·2	5	0·0	—	0·0	—	0·0	—	1·1	5	1·1	5·5	1·1	5·5	0·9	5·5
19	1·0	6·5	1·0	6·5	1·0	6	0·6	5·5	0·2	5	0·2	5	0·0	—	0·0	—	0·9	5	0·9	5	1·1	4	0·7	4·5
20	0·4	5·5	0·5	4·5	0·7	5	0·9	5	0·2	5	0·2	5	0·2	4·5	0·5	4·5	0·9	5	1·0	4·5	1·0	4·5	1·0	4·5
21	0·9	5	0·7	4·5	0·9	5	0·7	5	0·5	4	0·7	4·5	0·7	5	0·7	5	1·1	5	1·4	5	1·6	5	1·3	4·5
22	0·7	5	1·1	5	0·9	5	1·1	5·5	0·5	4·5	0·5	4·5	0·5	4	0·5	4·5	1·1	4	0·8	4·5	0·8	4	0·8	4
23	1·4	6	1·8	6	1·7	5·5	1·8	5	...	...	0·7	5	0·5	5	0·5	5	0·5	4	0·6	4	0·6	4	0·6	3·5
24	1·4	5	1·4	5	0·9	5	0·5	4·5	0·5	4·5	0·5	4·5	0·5	5	0·5	4·5	0·8	4	0·8	4	0·9	4	0·8	4·5
25	0·7	4·5	0·8	4	1·1	5	1·6	5	1·0	4·5	0·7	5	0·7	5	0·5	4·5	0·6	4	0·9	4	0·5	5	0·6	4
26	1·5	5·5	1·6	5	1·5	5·5	0·9	5	0·5	4·5	0·2	4·5	0·2	5	0·2	5	1·2	3·5	0·9	3·5	1·2	3·5	0·9	4
27	0·7	5	0·7	5	0·6	5·5	1·5	5·5	0·2	5	0·2	5	0·2	5	0·5	5	0·9	4	0·6	4	0·6	4	0·5	4·5
28	1·2	6	1·1	5·5	0·7	5	1·1	5·5	0·8	4	0·7	4·5	0·7	4·5	0·6	5·5	0·5	5	0·8	4·5	0·5	4·5	0·7	5
29	0·6	5·5	0·6	5·5	0·4	5·5	0·5	5	1·0	6	1·0	6	1·0	6	1·2	6	0·7	5	0·5	4·5	0·5	4·5	0·5	4·5
30	0·2	4·5	0·5	5	0·5	4	0·5	4·5	0·8	6	0·7	5	1·0	4·5	1·3	4	0·5	4·5	0·5	4	0·3	4·5	0·3	4·5
31									1·0	4	1·3	4	1·3	4	0·8	4								
Mean ...	1·1	5·7	1·1	5·5	1·0	5·4	1·1	5·6	0·5	4·7	0·5	4·5	0·4	4·3	0·5	4·4	0·7	4·6	0·7	4·5	0·6	4·5	0·6	4·7
Mean for day ...	A = 1·1μ; T_p = 5·5s.								A = 0·5μ; T_p = 4·5								A = 0·6μ; T_p = 4·6s.							

NOTE:—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

MICROSEISMS OF NORTH COMPONENT: AMPLITUDE (μ = ·001 mm.) AND PERIOD (seconds).

Derived from readings for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

544. Richmond (Kew Observatory). **1927.**

Month	July.								August.								September.							
Hour G.M.T.	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.
Day.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	0·3	4·5	0·3	4	0·4	2·5	0·4	2·5	0·9	5	0·7	5	0·7	5	0·7	5	0·7	5	0·7	5	0·5	5	0·5	5
2	0·8	2·5	0·8	2·5	0·4	2·5	0·4	2·5	0·5	5	0·5	5	0·5	4·5	0·5	5	0·5	5	0·5	5	0·7	5	0·5	5
3	0·4	2·5	0·4	2·5	0·3	3	0·7	3	0·5	5	0·5	4·5	0·3	4·5	0·6	4	0·7	5	0·9	5	0·7	5	0·7	5
4	0·8	4	0·7	5	0·7	5	0·7	5	0·3	4·5	0·3	4	0·3	4	0·3	4·5	0·7	5	0·7	5	0·7	5	0·7	5
5	1·1	5	0·9	5	0·7	4·5	0·5	5	0·3	3·5	0·3	4	0·0	—	0·0	—	0·9	5·5	0·9	5·5	0·7	5·5	0·4	5·5
6	0·7	4·5	0·9	5	0·8	4	0·8	4	0·0	—	0·0	—	0·3	4·5	0·3	4	0·4	5·5	0·5	5	0·5	5	0·5	5
7	0·9	5	0·5	4	0·5	4	0·3	3·5	0·8	4·5	0·5	4·5	0·7	5	0·7	5	0·5	4·5	0·6	3·5	0·4	3	0·7	3
8	0·5	4	0·5	4	0·3	4	0·3	4	0·9	5	0·9	5	0·7	5	0·8	4·5	0·7	3	0·6	3·5	0·3	3·5	0·6	4
9	0·3	3·5	0·4	2·5	0·4	2·5	0·5	4	0·8	4·5	0·7	5	0·6	4	0·6	3·5	0·6	4	0·8	4·5	0·8	4·5	1·2	5
10	...	...	...	...	0·5	4	0·5	4	0·6	3·5	0·6	4	0·5	4·5	0·5	4·5	1·1	5·5	1·2	5	1·3	5·5	1·3	5
11	0·5	4	0·5	4	0·5	4	0·5	4	0·7	5	0·7	5	0·5	5	0·5	5	1·0	5·5	1·0	5·5	0·9	5	0·9	5
12	0·3	4·5	0·3	4·5	0·3	4·5	0·3	4·5	0·7	5	0·7	5	0·5	4·5	0·5	4·5	...	...	1·0	4·5	0·6	4	0·6	4
13	0·3	4·5	0·3	4·5	0·2	5	0·2	5	0·6	4	0·6	4	0·6	4	0·6	4	0·5	4·5	0·5	5	0·3	4	0·3	3·5
14	0·2	5	0·2	5	0·2	5	0·3	4·5	0·6	4	0·6	4	0·5	4·5	0·5	4·5	1·1	3	0·9	3·5	0·9	3·5	0·8	4
15	...	...	0·3	3·5	0·3	4	0·3	4	0·8	4·5	0·8	4·5	0·5	4·5	0·6	3·5	1·1	4	1·4	4	1·1	4	1·1	4
16	0·3	4	0·3	4	0·3	4	0·3	3·5	0·8	4	0·9	3·5	0·8	4	0·6	3·5	0·8	4	0·5	5	0·5	4·5	0·5	4·5
17	0·3	3·5	0·3	3·5	0·3	4	0·3	3·5	0·6	3·5	0·6	3·5	0·6	4	0·6	4	0·5	4·5	0·5	4·5	0·7	5	0·9	5
18	...	...	...	...	...	...	0·3	3·5	0·9	3·5	0·9	3·5	0·9	3·5	0·8	4	0·9	5	1·2	5	1·2	6	1·2	6
19	0·5	4	0·5	4	0·5	4	0·5	4	0·8	4·5	0·8	4·5	0·8	4·5	0·6	4	1·0	6	1·0	6	1·0	6	0·9	5
20	0·6	3·5	0·6	3·5	0·5	4	0·3	4	0·6	4	0·8	4	0·9	3·5	1·1	4	1·0	4·5	1·4	5	0·9	5	1·2	5
21	0·3	4	0·3	4	0·3	3·5	0·4	2·5	1·4	4	1·6	7·5	1·6	7·5	1·5	7	0·9	5	1·2	5	1·2	5	1·3	4·5
22	0·7	3	0·5	4	0·5	4	0·3	3·5	1·6	7	1·2	6	0·9	5	0·9	5	1·3	4·5	1·4	4	1·0	4·5	1·0	4·5
23	0·5	4	0·3	3	0·7	3	0·7	3	0·9	5	1·0	4·5	0·5	4·5	0·6	4	1·0	4·5	1·5	4·5	1·9	5	2·0	4·5
24	0·7	3	0·3	3	0·3	3	0·8	2·5	0·8	4	0·5	4·5	0·6	4	0·8	4	2·0	4·5	1·8	4·5	1·0	4·5	1·0	4·5
25	0·5	4	0·7	5	0·7	5	0·5	5	0·7	5	0·7	5	0·7	5	0·5	4·5	1·0	4·5	1·0	4·5	0·9	5	0·9	5
26	0·5	5	0·5	5	0·5	4·5	0·5	4·5	0·7	5	0·7	5	0·9	5	1·5	5·5	1·4	5	1·2	5	0·8	4	0·8	4
27	0·7	4·5	0·7	4·5	0·5	4·5	0·7	4·5	1·6	6	2·1	6	5·2	8·5	5·2	7·5	0·7	5	0·7	5	0·7	5	1·0	6
28	0·7	5	0·7	4·5	0·5	4·5	0·5	4·5	3·5	7·5	2·6	7·5	2·1	6	1·6	6·5	1·3	5·5	1·7	5·5	1·2	6	1·8	6
29	0·5	4·5	0·3	4·5	0·3	4	0·3	4	1·4	6·5	1·2	6	0·9	5	0·7	5	1·8	6	1·6	6	1·2	6	1·8	6
30	0·3	4·5	0·2	5	0·5	4	0·5	4·5	0·7	5	0·5	5	0·5	5	0·5	5	1·7	6·5	2·1	6·5	1·6	6·5	1·6	6
31	0·7	5	0·9	5	0·7	5	0·9	5	0·5	5	0·5	5	0·5	4·5	0·5	5								
Mean ...	0·5	4·1	0·5	4·1	0·5	4·0	0·5	3·9	0·9	4·7	0·8	4·8	0·8	4·8	0·8	4·7	1·0	4·8	1·0	4·9	0·9	4·9	1·0	4·8
Mean for day ...	A = 0·5μ; T_p. = 4·0s.								A = 0·8μ; T_p. = 4·7s.								A = 0·9μ; T_p. = 4·8s.							

Month	October.								November.								December.							
Hour G.M.T.	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18.h.	
	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.	A.	T_p.
Day.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	1·4	5	1·6	5	0·8	4·5	0·9	5	3·3	7	3·8	7·5	3·8	7·5	4·0	7·5	1·5	5·5	...	...	1·4	6·5	1·2	6·5
2	1·2	5	1·2	5	1·0	4·5	1·9	5	4·3	7·5	...	...	4·6	7	4·2	7	1·0	6·5	1·2	6·5	1·0	6·5	1·0	6·5
3	4·0	5	2·1	6	1·5	5·5	1·5	5·5	4·6	7	3·7	7	3·7	7	2·0	7	0·8	6	1·2	6	1·7	7·5	1·3	5·5
4	1·6	6	1·1	5·5	0·8	6	1·1	5·5	2·1	6	1·4	6	1·2	5	1·2	6	1·3	5·5	1·6	5	3·9	10	4·3	10
5	1·1	5·5	0·9	5	0·9	5·5	0·9	5·5	1·4	6	1·4	6	2·1	6	2·1	6	4·0	9	3·1	9	3·3	8	3·5	7·5
6	1·0	6	1·1	5·5	0·9	5·5	0·8	6	3·1	7·5	3·3	7	2·6	7·5	2·3	6	3·1	7·5	3·7	8	4·9	7·5	4·0	7·5
7	0.9	5	0·9	5·5	1·1	5·5	0·9	5·5	2·2	7	2·1	7·5	1·8	7	2·1	6·5	4·7	9	4·5	7·5	3·9	9	3·8	7·5
8	0·7	8	1·0	8	0·7	7·5	0·6	6	1·9	6·5	1·8	6	1·7	6·5	1·8	6	3·1	9	2·7	8·5	2·6	8·5	2·4	8·5
9	0·7	5	0·7	5	0·7	5	0·5	5	1·6	5	2·3	6	2·5	6	2·3	6	2·3	9	3·1	9	3·6	8·5	3·4	8·5
10	0·2	5	0·3	4	0·6	4	0·6	4	2·0	5·5	1·5	5·5	0·7	5	0·9	5	3·9	8·5	3·5	8·5	2·2	8	3·4	8·5
11	0·3	4·5	0·5	4·5	0·2	5	0·3	4·5	1·2	5	0·9	5	0·7	5	0·8	4·5	2·6	5	2·0	5·5	1·4	4·5	2·0	4·5
12	0·5	5	0·5	4·5	0·6	4	0·6	4	0·6	4	0·9	5	0·7	5	0·6	3·5	2·1	5	2·1	5	1·7	4·5	1·1	4·5
13	0·6	4	0·5	5	0·3	4·5	0·3	4·5	0·7	3	0·7	3	0·7	3	0·9	9	1·1	4·5	1·0	5	0·9	4	0·8	4
14	0·2	5	0·3	4·5	0·3	4·5	0·3	4	1·4	9	...	...	0·9	7·5	0·7	7	0·8	4	1·0	4·5	2·3	6	2·1	6
15	0·3	3·5	0·6	4	0·5	4·5	0·5	5	0·7	7	0·5	7	0·5	5	0·5	5	1·8	7	1·4	6	1·0	6	1·8	7
16	0·7	5	0·7	5	0·7	5·5	0·9	5·5	0·5	5	0·4	6	0·6	6	1·0	6·5	1·8	7	2·2	7	3·7	6	3·3	5
17	1·1	5·5	1·2	6	1·2	5	1·4	5	1·0	6·5	1·3	7	1·2	5	1·2	6	3·5	5	4·0	5	2·8	5·5	2·3	5
18	1·2	5	1·4	6	1·2	5	0·9	5	1·6	5	1·9	5	2·1	6	2·3	6	2·2	5·5	3·5	7·5	4·3	7·5	5·2	7·5
19	0·8	6	0·7	5·5	0·6	4	0·8	4·5	2·9	6·5	2·3	6·5	1·8	7	2·2	5·5	7·5	7·5	7·3	7	6·4	7	5·5	7
20	0·5	4·5	0·6	4	0·7	5	0·7	5	1·7	6·5	1·7	5·5	1·5	5·5	1·6	5	4·8	7	4·9	5	2·5	4·5	2·3	5
21	0·7	5·5	0·7	5	0·5	5	0·5	5	1·5	5·5	2·2	5·5	2·1	6	2·5	6	1·9	6·5	1·8	7	1·4	6	1·0	6
22	0·5	4·5	0·6	3·5	0·9	3·5	0·9	3·5	...	...	2·3	6	1·9	6·5	1·4	6	0·7	5	1·3	4·5	1·6	5	2·4	5·5
23	1·3	3·5	1·0	4·5	1·3	4·5	1·4	5	0·9	5	1·4	5	1·2	5	1·5	5·5	4·4	5·5	6·1	6	3·7	7	3·7	7
24	1·4	5	1·4	5	1·2	5	...	...	2·0	4	1·6	5	1·8	6	2·1	6	1·9	6·5	2·3	5	1·6	6·5	1·7	6·5
25	1·1	6	1·4	7	1·6	7	1·6	5	2·0	7	2·2	7	2·6	7	2·2	7	1·6	6·5	1·3	5·5	1·5	4·5	1·5	4·5
26	1·7	5·5	1·3	5·5	1·2	5	1·2	5	2·0	7	2·0	7	3·3	7	2·2	7	2·8	5	4·1	6	4·5	6	3·7	6
27	1·2	5	1·2	5	1·3	4·5	1·3	4·5	3·3	7	3·5	7·5	3·5	7·5	2·4	7	3·1	6	3·1	6	2·5	6	2·7	6
28	1·3	5·5	1·6	6	2·3	5	2·3	5	1·8	7	1·8	7	2·4	7	2·2	7	1·6	6	1·4	5	1·0	6	1·0	6
29	2·2	5·5	2·4	5·5	2·7	6	2·9	6	2·6	7·5	2·1	6	1·2	6	1·0	4·5	1·0	5·5	1·3	5	1·5	5·5	1·7	5·5
30	2·2	5·5	2·6	5·5	2·4	5·5	2·4	5·5	1·2	5	1·2	5	0·9	5	1·3	5·5	1·6	5	1·6	5	1·0	4·5	0·8	4·5
31	2·8	5·5	2·2	5·5	2·6	5·5	2·6	5·5									0·8	4·5	0·9	5	1·0	6	1·2	6
Mean ...	1·1	5·2	1·1	5·2	1·1	5·1	1·1	5·0	1·9	6·1	1·9	6·1	1·9	6·1	1·8	6·1	2·4	6·3	2·6	6·2	2·5	6·4	2·5	6·3
Mean for day ...	A = 1·1μ; T_p. = 5·1s.								A = 1·9μ; T_p. = 6·1s.								A = 2·5μ; T_p. = 6·3s.							

NOTE:—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

M.O 310
(Aerological Section)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1927

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

AEROLOGICAL SECTION

Published by the authority of the
METEOROLOGICAL COMMITTEE

LONDON:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

1929

AEROLOGICAL SECTION.

Station.	Latitude.	Longitude.	Height above Sea Level.
Kew Observatory ..	51° 28′ N. ..	0° 19′ W. ..	7 metres.
Sealand	53° 14′ N. ..	3° 0′ W. ..	5 metres.
Calshot	50° 49′ N. ..	1° 18′ W. ..	4 metres.
North Sea	52° 52′ N. ..	2° 15′ E. ..	—

INTRODUCTION.

Notes on the tables of Upper Air Temperatures obtained from soundings with registering balloons at Richmond, Sealand, Calshot, and the North Sea. 1927.

The tables are presented in the same form as those appearing in the Observatories Year Book for 1926. The Dines pattern meteorograph was employed solely as before. About a third of the instruments used had been constructed in the Observatory workshop, the rest being purchased from outside contractors.

The method of operation remained substantially the same as that described in the Computer's Handbook.* In the computation of pressure-heights the graphical method was employed, checked as to its main features by an arithmetical process. A value of gravity constant with height was assumed, and equal to 981·2 ; the effect of humidity on the density of the air was neglected.

A total of 44 soundings were made during the year, 32 from the Distributive Station of the Meteorological Office at Sealand Aerodrome, 10 from Kew Observatory, one from the Distributive Station at Calshot, and one from H.M.S. "*Fitzroy*" in the North Sea. Of these, 38 instruments were found and returned. The choice of station from which a sounding was made was generally determined in view of the probable direction and length of the run of the balloon. The average height reached was not so good as in the previous year.

The ventilation of the meteorograph is effected solely by the natural draught produced by its vertical velocity. The coned case referred to in 1925 was employed entirely in 1927. The vertical velocity of the rising balloon was of the order of 220 metres per minute in about one-sixth of the soundings, and 330 metres per minute in the remainder. After the balloon burst the instrument fell at the rate of about 700 metres per minute.

As regards temperature, unless stated to the contrary the mean of the records on the ascent and descent was employed entirely in computing the published figures. Except in the cases of soundings made near mid-day in summer, and near the top of some other high daylight soundings, the difference between the two records did not in general exceed 4a., with a mean of about half that value. Whenever direct evidence could be obtained it was almost always found that in the troposphere the descending record was 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 records gives in general a close approximation to the true air temperature.† Occasionally in exceptional circumstances it is deemed best to give greater weight to one record than the other, or to publish the data from one record only. All such occasions are mentioned in the remarks, they generally refer either to occasions of strong solar radiation when the less vigorous ventilation of the meteorograph on the ascent makes that record less reliable than that of the descent, or to the lowest layers of the troposphere only.

---

* MO. 223, Section II, Sub-section II.

† See also :—Memoirs of the Indian Meteorological Department. Vol. XXIV. Part V. By J. H. Field.

In the case of high soundings made during the day-time a pronounced rise of temperature was sometimes observed over about a kilometer at the extreme top, particularly so on the record of the descent immediately after the bursting of the balloon. 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 has therefore been ignored, and in addition greater weight has been given to the descent than to the ascent in the upper parts of such records as show an unusually large difference between them. 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. All occasions on which such selection has been made are also specifically mentioned in the remarks.

In the majority of cases the meteorograph was fitted with a hair hygrometer. Only one record of relative humidity in each case has been published, which unless stated in the remarks to the contrary is that of the ascent. The record of the descent appears to be the less reliable for two reasons, first that the previous exposure of the hair to extreme cold and dryness makes it more sluggish in response to changes in the relative humidity, second that the higher velocity at which the instrument falls increases the lag in its response reckoned in terms of height. The hygrometer shows changes in the relative humidity in the lower part of the troposphere very well, but the absolute value of its readings may be subject to an uncertain error of five or more on the percentage scale. Below a temperature of 250a. it seems very doubtful if in the ordinary way the record has any meaning, and the figures have therefore not been published. In some cases of a saturated atmosphere the hair appears to freeze up at some point near 273a. and thereafter to become quite inert.

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 height, temperature and relative humidity are given for the salient points in each special case, the sequence being always from lesser heights 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-heights. The reason of this is that both were determined independently from the original data, which can sometimes profitably be read to ·5 degree, and then rounded off to the nearest whole degree.

The lapse rates given between ground level and 0·5 km. are determined from the reading in the thermometer screen at the station and that of the meteorograph at 0·5 km. A source of error arises here in that two independent standards are employed which are not exposed in the same manner and are not necessarily in perfect agreement with each other. A small difference is capable of making an appreciable error in the lapse rate, and it is possible that lapse rates apparently greater than 10a. per km. in this layer are sometimes due to this cause.

Whenever possible the meteorograph was calibrated again 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. Some disturbance is almost inevitable considering the rough treatment to which it is subjected, more especially in the shock of the fall. It is satisfactory to note that for the year 1927 the mean values of the shift without regard to sign were small, viz., Pressure $4\frac{1}{2}$ mb, Temperature 1a. The displacement as regards pressure was rather worse in the case of meteorographs fitted with the hygrometer than in the case of those not so fitted.

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 to reduce greatly 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 an 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 height of 6 or 7 kilometres, 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 545 occur the entries "Type of Tropopause" and "H_c = Height of Tropopause." These are defined as follows:—Type I. The stratosphere commences with an inversion, and H_c is the height of the first point of zero temperature gradient. Type II. The stratosphere begins with an abrupt transition to a temperature gradient below 2a. per kilometre without inversion, and H_c is the height 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 kilometre next above is 2a. or less, provided that it does not exceed 2a. for any subsequent kilometre. In Table 546 the pressure distribution is when possible classified according to the types defined in "Aids to Forecasting."†

† E. Gold, F.R.S., Geophysical Memoir No. 16, M.O. 220f, London, 1920.

T = Temperature in Degrees absolute. P = Pressure in millibars.

545. H = Height in kilometres above M.S.L. $R\,H$ = Relative Humidity as percentage. **1927.**

No. of Ascent.	630.	631.	632.	633.	634.	635.	636.	637.	638.	639.
Date.	Jan. 20.	Feb. 9.	Feb. 15.	Feb. 15.	Feb. 16.	Feb. 16.	Feb. 17.	Feb. 17.	March 25.	March 30.
Station.	Kew.	Kew.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.
Start G.M.T.	15 h. 46 m.	17 h. 1 m.	7 h. 35 m.	17h. 30 m.	7h. 35 m.	17 h. 27 m.	7h. 30 m.	17 h. 28 m.	18 h. 0 m.	11 h. 30 m.
H_t = Greatest Height ... (km.)	10·55	8·33	18·18	18·39	13·43	21·07	17·11	14·52	18·14	19·16
T_t = CorrespondingTemperature (a)	218	229	215	214	212	214	217	213	219	222
P_t = Corresponding Pressure (mb.)	228	333	71	69	153	45	84	124	69	63
Place of Fall	Bexley Asylum, Dartford, Kent.	Culworth, Banbury, Oxon.	West Felton, Oswestry, Salop.	Newbridge, Wrexham, N. Wales.	Saughall nr. Chester.	Horton Green, Malpas, Cheshire.	Scholar Green, nr. Stoke-on-Trent, Cheshire.	Atlow, Derbyshire.	Crowden, Hadfield, Lancs.	Snelston, Ashbourne, Derbyshire.
Distance ... ... (km.)	34	95	45	29	3	24	53	92	74	87
Bearing. Degrees from N.... ...	96	320	180	189	113	149	103	103	68	107
Geostrophic Wind—										
Speed ... ... (m/s.)	9	8	7	Indeterminate.	Indeterminate.	Indeterminate.	4	5	18	20
Degrees from N.	175	95	240	—	—	—	290	310	220	310
Wind (Anemograph)—										
Speed ... ... (m/s.)	1	4	1	0	0	0	0	4·5	1	11
Degrees from N.	135	80	135	—	—	—	—	290	180	290
Humidity at surface ... ... (%)	80	79	95	88	97	98	96	81	81	67
Type of Tropopause	I.		I.	I.	I.	I.	I.	I.	I.	I.
H_c = Height of ,, ... (km.)	9·81	—	12·31	11·95	12·65	12·41	11·33	10·67	6·91	8·32
T_c = Temp. at ,, ... (a.)	216	—	203	203	205	204	207	209	226	229
P_c = Pressure at ,, ... (mb.)	256	—	184	196	174	181	211	231	380	321
Mean Temp. (H_c+2) to (H_c+5) (a.)	—	—	213	212	—	214	216	—	229	231
in (H_c+5) to (H_c+8) (a.)	—	—	—	—	—	214	—	—	224	224
Stratosphere (H_c+8) to (H_c+11) (a.)	—	—	—	—	—	—	—	—	220	222
T_m (Mean Temp. 1 to 9 km.) (a.)	246	—	255	256	255	255	253	249	243	247
P_s (Pressure at M.S.L.) ... (mb.)	1008	1031	1033	1033	1031	1030	1028	1026	972	1002

546. **1927.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1927.

No. of Ascent.

630. Weather cloudy. Cirrus from NW, lowest cloud at about 1·3 km. Isothermal layer from 1·24 km. to 1·43 km.; Temp. 267 a. Isothermal layer on ascent only from 2·72 km. to 3·06 km.; Temp. 261 a. The ascent was curtailed by means of an automatic releaser. The meteorograph was not calibrated until after it was found and returned. The accuracy of the record is not therefore as certain as usual. Pressure distribution: Depression north of the Hebrides, a secondary depression over the mouth of the English Channel, the whole system moving south eastwards between highs over Azores and Russia. Type doubtful.

631. Weather cloudy. Fr-Cu. 7/10 from E. Pronounced inversion from 1·20 km. to 1·52 km.; Temp. 264 a. to 268·5 a. Relative humidity 72 per cent. to 46 per cent. Large lapse rate near the surface. Pressure distribution: An anticyclone over the North Sea embracing the British Isles, with lows to the NW of Iceland and north Russia, with another low well off the W of Ireland. High pressure over the Azores. Type VI.

632. Weather fair, morning fog. Clouds, St-Cu. and A-Cu. 5/10. Lowest cloud at about 1·3 km. Inversion near ground of about 6 a. Isothermal layer from 1·10 km. to 1·36 km.; Temp. 278·5 a. Relative humidity from 80 per cent. to 89 per cent. Isothermal layer on descent only from 2·59 km. to 2·94 km.; Temp. 270·5 a., also on both records from 4·69 km. to 4·98 km.; Temp. 257 a. Relative humidity 98 per cent. to 57 per cent. Pressure distribution: Deep and complex low over the Atlantic, anti-cyclone over central Europe decreasing in intensity. Type V.

633. Weather dull and misty. Clouds, St-Cu. 10/10 at about 0·7 km. Inversion from 0·69 km. to 0·91 km.; Temp. 280 a. to 281·5 a. Another inversion from 2·90 km. to 3·15 km.; Temp. 269·5 a. to 270 a. Pressure distribution: Anticyclone over central Europe extending towards the British Isles. A depression approaching Iceland from the SW and another off the west coast of Scandinavia Type V, becoming IV a.

634. Weather thick fog, about 60 metres deep. Inversion from near the ground up to 0·58 km., where the temperature was 282 a. and the relative humidity 62 per cent. Small inversion on ascent at 1·37 km.; Temp. 279 a. Relative humidity 84 per cent. Isothermal layer from 5·45 km. to 5·67 km.; Temp. 251·5 a. Relative humidity 90 per cent. to 70 per cent. Pressure distribution: A ridge of high pressure extending northwards over the British Isles. A depression deepening and moving south-eastwards across Scandinavia and another approaching Iceland from the SW. Type IV a.

635. Weather dull and misty. Clouds, Stratus 10/10 at about 75 metres. Inversion near the surface up to about 0·4 km. Isothermal layer from 1·24 km. to 1·46 km.; Temp. 278·5 a. Relative humidity 90 per cent. to 95 per cent. Pressure distribution: Anticyclone over the British Isles and France, and a ridge of high pressure extending northwards. A depression to the SW of Iceland and another over the Baltic. Type IV or IV a.

636 Weather dull. Clouds, Stratus 10/10 from WSW at about 0·5 km. Inversion on descent from 1·35 km. to 1·6 km.; Temp. 274·5 a. to 275·5 a. Small isothermal layer on ascent from 1·74 km. to 1·98 km.; Temp. 274·5 a. Relative humidity 66 per cent. to 80 per cent. Another inversion on ascent from 4·65 km. to 4·78 km.; Temp. 254·5 a. to 256 a. Relative humidity 86 per cent. to 68 per cent. A marked rise of temperature at the top of the ascending record had the appearance of an insolation effect and was ignored. The record of the descent was given more weight than that of the ascent over the upper 4 kilometres. Pressure distribution: An anticyclone centred over the SW coasts of the British Isles and depressions to the east of the Baltic and over Iceland. Type IV or IV a.

637. Weather fair, slight mist. Clouds, St-Cu. 10/10 from NW, at about 1·1 km. Inversion on descent from 0·97 km. to 1·12 km.; Temp. 273·5 a. to 275·5 a., and inversion on ascent from 1·44 km. to 1·55 km.; Temp. 271·5 a. to 273 a. Pressure distribution: Anticyclone centred off the SW coasts of the British Isles and a temporary ridge of high pressure extending NE separating depressions over Iceland and eastern Europe. Type IV or IV a.

638. Weather showery and cloudy. Clouds, St & Cu, A-Cu, and Cirrus. Upper clouds moving from W, height of lowest clouds about 0·75 km. Pressure distribution: Deep depression over Ireland, high pressure over north west Europe and over the Azores. Type XV.

639. Weather squally. Clouds, Cumulus 8/10 from WNW, at about 0·75 km. The mean of both records was employed throughout except at the extreme top, where a bias towards the colder trace was made. The very large lapse rate indicated near the ground may be due to employing the mean of both records, but even apart from that the lapse rate over the bottom half kilometre was at least 11. Pressure distribution: A secondary trough extending south-eastwards from Iceland to the Straits of Dover. An anticyclone over the Azores. Type V a.

T = Temperature in Degrees absolute. P = Pressure in millibars.

545. H = Height in kilometres above M.S.L. $R\,H$ = Relative Humidity as percentage. **1927.**

No. of Ascent.	640.	641.	642.	643.	644.	646.	647.	648.	649.
Date.	April 5.	May 25.	June 13.	June 14.	June 15.	June 17.	June 18.	June 28.	July 1.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.
Start G.M.T.	12 h. 45 m.	18 h. 20 m.	6 h. 55 m.	7 h. 15 m.	7 h. 15 m.	7 h. 15 m.	7 h. 15 m.	9 h. 20 m.	8 h. 47 m.
H_t = Greatest Height ... (km.)	21·01	20·32	17·41	11·67	17·72	9·80	18·85	18·55	3·49
T_t = Corresponding Temperature (a)	221	223	227	219	228	231	227	233	273
P_t = Corresponding Pressure (mb.)	47	54	83	200	82	275	70	74	648
Place of Fall	Glentworth, Lincolnshire.	Albaston, Newport, Salop.	Old Trafford Cricket Ground, Manchester, Lancs.	Islam, nr.Manchester Lancs.	Colton, Stoke-on-Trent, Staffs.	Ingleton, Carnforth, Lancs.	North Andton, nr. Sheffield, Yorks.	Spoonley, Market Drayton, Salop.	Burghclere, nr. Newbury, Berkshire.
Distance ... ... (km.)	162	60	54	46	87	109	104	49	73
Bearing. Degrees from N.... ...	83	134	58	57	124	19	79	135	256
Geostrophic Wind— Speed ... ... (m/s.)	16	Indeterminate	Indeterminate	4	16	11	16	7	13
Degrees from N.	260	—	—	40	160	230	260	295	70
Wind (Anemograph)— Speed ... ... (m/s.)	9	4	2·5	4	7	4	9	7	4
Degrees from N.	225	270	315	270	160	160	250	290	360
Humidity at surface ... ... (%)	58	76	85	67	78	94	67	75	97
Type of Tropopause	II.	I.	I.	I.	I.		I.	I.	
H_c = Height of ,, ... (km.)	9·14	11·80	10·54	10·44	11·58	—	9·52	9·03	—
T_c = Temp. at ,, ... (a.)	223	213	217	213	214	—	230	226	—
P_c = Pressure at ,, ... (mb.)	291	204	240	243	210	—	282	300	—
Mean Temp. in Stratosphere (H_c+2) to (H_c+5) (a.)	222	219	225	—	224	—	230	233	—
Mean Temp. in Stratosphere (H_c+5) to (H_c+8) (a.)	223	219	—	—	—	—	227	233	—
Mean Temp. in Stratosphere (H_c+8) to (H_c+11) (a.)	222	—	—	—	—	—	—	—	—
T_m (Mean Temp. 1 to 9 km.) (a.)	251	260	253	252	257	260	255	252	—
P_s (Pressure at M.S.L.) ... (mb.)	1003	1021	1018	1018	1023	1002	1007	1011	994

546. **1927.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1927.

No. of Ascent.

640. Weather fair. Clouds, St-Cu, A-St, and Cirrus 9/10. Lower clouds from WSW at about 0·75 km., upper clouds fromW'S. Slight inversion on descent from 4·38 km. to 4·67 km.; Temp. 253·5 a. to 254 a. Small isothermal layer on ascent from 4·78 km. to 5·09 km.; Temp. 252·5 a. Relative humidity 26 per cent. to 36 per cent. The large lapse rate near the ground is apparently genuine. The mean of both records was employed except at and just below the top where a bias towards the colder trace was made. Pressure distribution: Deep depression south of Iceland, high pressure over Spain. Type Va.

641. Weather fine, sky cloudless. Balloon went off to the south east and returned overhead. Isothermal layer on ascent from 1·66 km. to 1·93 km.; Temp. 279·5 a. Inversion on descent only from 1·70 km. to 1·81 km.; Temp. 277 a. to 278·5 a. Pressure distribution: Anticyclone over Iceland extending south eastwards to Holland, low pressure over the Atlantic to the west of Ireland and over eastern Europe. Type doubtful.

642. Weather cloudy. Clouds, St-Cu. 6/10 from N. at about 1·1 km. and A-Cu. 1/10 from SSE. Inversion from 3·00 km. to 3·19 km.; Temp. 264·5 a. to 265 a. The mean of both records was employed throughout except at the extreme top where the rise of temperature on the ascent was ignored and a bias was made towards the colder trace. Pressure distribution: Uniform pressure over the British Isles, high over Iceland and low over the Atlantic to the south west of the British Isles. Type doubtful.

643. Weather fair. Clouds, Cirrus 1/10, from SSW, Ci-St. 2/10. Inversion from 2·21 km. to 2.45 km.; Temp. 269 a. to 270·5 a. Relative humidity 85 per cent. to 63 per cent. Pressure distribution: An anticyclone centred between Scotland and Iceland and depressions near the Shetlands and southern part of the Bay of Biscay. Type VIII. ?

644. Weather fine. Clouds, St-Cu. and Cirrus 1/10, the latter moving from WNW. Isothermal layer on ascent from 0·56 km. to 1·27 km.; Temp. 278·5 a. Relative humidity 72 per cent. to 56 per cent. Inversion on descent from 0·87 km. to 1·27 km.; Temp. 275 a. to 277 a. Inversion on ascent from 2·25 km. to 2·49 km.; Temp. 273·5 a. to 274 a. Relative humidity 55 per cent. to 57 per cent. Isothermal layer from 5·14 km. to 5·34 km.; Temp. 258·5 a. Relative humidity 34 per cent. to 37 per cent. Pressure distribution: An anticyclone over the British Isles, large depression off the west of Ireland and another over Scandinavia. Type VIII b. ?

646. Weather fair to dull. Clouds, St. and St-Cu. 10/10. Height of lowest clouds about 240 m. Inversion on ascent from 2·43 km. to 2·65 km.; Temp. 273 a. to 274·5 a. Relative humidity 86 per cent. to 62 per cent. Inversion on descent from 3·39 km. to 3·45 km.; Temp. 268 a. to 268·5 a. Pressure distribution: Depression to the south of Iceland and a rainy trough of low pressure moving across the British Isles. Anticyclones over Germany and near the Azores. Type V a. ?

647. Weather fair. Gusty surface wind. Clouds, Cumulus 3/10 from WSW, False Ci. and A-Cu. 1/10 from WNW. The rise of temperatuie at the top of the ascending record was ignored and near the top a bias was made towards the colder trace. Pressure distribution: Depression centred between Ireland and Iceland; a secondary depression approaching Ireland from the south west, an anticyclone over the Azores and another to the east of Germany. Type III. ?

648. Weather fair. Clouds, St.-Cu. 7/10 from W'N at about 0·75 km., A-Cu. and Ci. 1/10. A-Cu. from about W'S. Large lapse rate near the surface. The mean of both records was employed, except near H_c where only one was visible and at the extreme top where a rise on the ascent was ignored and a bias was made towards the colder trace just below the top. Pressure distribution: Depression centred between the north of Scotland and the Faroe Islands embracing the whole of the British Isles, Northern France and Flanders. Type XIV. ?

649. Weather dull and rainy. Clouds, Fr-St. 6/10 and Stratus 4/10 from NNE. Lowest clouds at about 0·5 km. The record plate apparently became coated with ice soon after the start and the record ceased when the temperature fell below 273 a. The ascending record only was employed. Pressure distribution: Depression over the Straits of Dover, other centres of low pressure near Iceland and over central Italy. Type XIII. ?

T = Temperature in Degrees absolute. P = Pressure in millibars.

545. H = Height in kilometres above M.S.L. RH = Relative Humidity as percentage. **1927.**

No. of Ascent.	650.	651.	652.	653.	654.	655.	658.	660.	661.
Date.	July 5.	July 9.	July 13.	Oct. 5.	Oct. 11.	Oct. 14.	Oct. 15.	Oct. 15.	Oct. 16.
Station.	North Sea. 52° 52′ N. 2° 15′ E.	Kew.	Kew.	Sealand.	Kew.	Sealand.	Kew.	Sealand.	Kew.
Start G.M.T.	16 h. 24 m.	12 h. 12 m.	11 h. 27 m.	17 h. 35 m.	17 h. 24 m.	7 h. 8 m.	1 h. 0 m.	12 h. 55 m.	7 h. 15 m.
H_t = Greatest Height ... (km.)	5·13	8·31	12·20	16·94	21·94	17·68	10·38	19·90	9·47
T^t = Corresponding Temperature (a)	263	245	226	213	213	217	221	221	227
P_t = Corresponding Pressure (mb.)	536	349	194	92	40	79	250	57	285
Place of Fall	North Sea, 53° 20′ N. 2° 25′ E.	Seale, Farnham, Surrey.	Bushey, Herts.	Bratton Park, Wellington, Shropshire.	Sidlesham, Chichester, Sussex.	Red Roses, Whitland, Pembroke.	Old Alresford, Hants.	Peplow, Hodnet, Salop.	Wiston, Steyning, Sussex.
Distance ... ... (km.)	53	39	20	67	83	195	72	55	63
Bearing. Degrees from N.... ...	12	226	360	151	204	215	235	146	183
Geostrophic Wind— Speed ... ... (m/s.)	7	13	Indeterminate	Indeterminate	9	6	8	7	6
Degrees from N.	230	20	—	—	80	50	70	40	350
Wind (Anemograph)— Speed ... ... (m/s.)	8	4	2·5	3	2	2	4	Calm	Calm
Degrees from N.	135	360	70	335	10	360	10	—	—
Humidity at surface ... ... (%)	90	91	91	84	89	94	95	56	98
Type of Tropopause			I.	I.	II.	II.		II.	
H_c = Height of ,, ... (km.)	—	—	11·30	12·79	14·00	11·38	—	12·27	—
T_c = Temp. at ,, ... (a.)	—	—	219	209	208	216	—	216	—
P_c = Pressure at ,, ... (mb.)	—	—	223	180	146	214	—	190	—
Mean Temp. in Stratosphere (H_c +2) to (H_c +5) (a.)	—	—	—	—	210	216	—	216	—
Mean Temp. in Stratosphere (H_c +5) to (H_c +8) (a.)	—	—	—	—	—	—	—	—	—
Mean Temp. in Stratosphere (H_c +8) to (H_c +11) (a.)	—	—	—	—	—	—	—	—	—
T_m(Mean Temp. 1 to 9 km.) (a.)	—	—	260	263	262	256	256	259	255
P_s (Pressure at M.S.L.) ... (mb.)	1007	1002	1018	1031	1029	1017	1017	1020	1016

546. **1927.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1927.

No. of Ascent.

650. Weather cloudy. Balloon entered cloud at about 2·2 km. Very pronounced inversion of 5 a. at about 100 metres or less. Small isothermal layer from 0·75 km. to 0·87 km.; Temp. 291 a. Special sounding made from a ship in the North Sea, the height was curtailed by an automatic releaser. The instrument fell into the sea and was dredged up some ten days later by a fishing boat. Pressure distribution: Stationary depression west of Ireland; an area of relatively high pressure ran from Northern Scandinavia to the Mediterranian. Type VII.

651. Weather fair to dull. Clouds, Stratus 10/10. Inversion from 0·63 km. to 0·81 km.; Temp. 286·5 a. to 288·5 a. Relative humidity 100 per cent. to 76 per cent. The ascent was curtailed by an automatic releaser. Pressure distribution: Complex depression over France, The Netherlands and south Germany, embracing the British Isles; shallow low north west of Iceland. Anticyclone over Scandinavia and another over the Atlantic. Type IX a. ?

652. Weather dull. Clouds, Stratus 10/10 at about 0·6 km. Isothermal layer on ascent from 0·79 km. to 1·31 km.; Temp. 283·5 a. Relative humidity 100 per cent. to 91 per cent. Inversion on descent from 0·81 km. to 0·99 km.; Temp. 282·5 a. to 283·5 a. Pressure distribution: Generally indefinite, a shallow low over north west Iceland, relatively higher pressure from Scotland to northern Scandinavia. Type doubtful.

653. Weather fine. Clouds, A-Cu. 1/10 from NW. Inversion near the ground of about 2 a. Pronounced inversion from 2·22 km. to 2·84 km.; Temp. 275 a to 277·5 a. Relative humidity 85 per cent. to 42 per cent. Pressure distribution: An anticyclone centred over the British Isles, depressions north of Iceland, over north west Russia and near the Azores. Type doubtful.

654. Weather fine, hazy. Clouds, Fr-St. 1/10 from NE, and Cirrus 1/10 nearly stationary. Inversion from 0·66 km. to 1·01 km.; Temp. 281 a. to 284 a. Relative humidity 91 per cent. to 48 per cent. Pressure distribution: An anticyclone with its centre over England and Scotland covering most of Europe. Low pressure to the west of Scandinavia and off the south west coast of Spain. Type doubtful.

655. Weather dull with drizzling rain. Clouds, Stratus 10/10 at about 0·52 km. Inversion from 2·27 km. to 2·50 km.; Temp. 269 a. to 270 a. Relative humidity 100 per cent. to 86 per cent. Pressure distribution: An anticyclone to the west of Ireland, complex shallow low area over Scandinavia, depression to the south west of Spain. Type XI a. ?

658. Weather fair. Clouds, St-Cu. 9/10 from NE, at about 0·6 km. Sounding curtailed by automatic releaser. Pressure distribution: An anticyclone over Scandinavia and another to the west of Ireland. Depression to the north of Iceland and another over Spain. Type doubtful.

660. Weather fair. Clouds, Cumulus 4/10 from SSE at about 1·2 km. Inversion from 1·84 km. to 2·14 km.; Temp. 272 a. to 273·5 a. Relative humidity 85 per cent. to 70 per cent. The large lapse rate near the surface may perhaps be due to a fictitiously high temperature in the Stevenson screen under calm conditions. Balloon seen to fall at about 14h. 50m. G.M.T. Pressure distribution: An anticyclone to the west of Ireland and another over southern Sweden and Denmark. Depression off the north west Scandinavian coast and another over eastern Spain. Type XI a.

661. Weather overcast. Clouds, St-Cu. 7/10, Stratus 3/10. Balloon entered cloud at about 2·5 km. Isothermal layer from 2.48 km. to 2·92 km.; Temp. 267 a. Relative humidity 100 per cent. to 86 per cent. Sounding curtailed by automatic releaser. Pressure distribution: Anticyclones centred respectively to the south west of Ireland and over Russia. Deep depression off northern Scandinavia, low over north eastern Spain. Type. XI a.

T = Temperature in Degrees absolute. P = Pressure in millibars.

545. H = Height in kilometres above M.S.L. $R\,H$ = Relative Humidity as percentage. **1927.**

No. of Ascent.	662.	663.	665.	666.	667.	668.	671.	672.	673.
Date.	Oct. 17.	Oct. 18.	Oct. 19.	Oct. 20.	Oct. 21.	Oct. 22.	Nov. 9.	Nov. 10.	Dec. 20.
Station.	Sealand.	Sealand.	Sealand.	Sealand.	Sealand.	Kew.	Sealand.	Sealand.	Sealand.
Start G.M.T.	6 h. 55 m.	6 h. 55 m.	7 h. 5 m.	6 h. 50 m.	6 h. 50 m.	7h. 0 m.	17 h. 15 m.	12 h. 55 m.	17 h. 0 m.
H_t = Greatest Height ... (km.)	19·31	21·59	11·53	2·50	14·35	13·37	17·18	20·84	13·74
T_t = Corresponding Temperature (a.)	217	221	215	263	220	217	211	213	217
P_t = Corresponding Pressure (mb.)	60	43	205	740	128	151	81	46	141
Place of Fall	GreensNorton, Towcester, Northants.	Burley, Oakham, Rutland.	Collingham, Newark, Notts.	BumpersLane Farm, Sealand, Cheshire.	Tuxford, Newark, Notts.	Upend, nr. Newmarket, Cambs.	Long Lawford, nr. Rugby, Warwick.	Upton-on-Severn, Worcestershire	Prestwick, nr. Manchester, Lancs.
Distance ... ... (km.)	179	165	150	4	138	78	146	140	58
Bearing. Degrees from N.	132	110	93	125	89	34	130	158	55
Geostrophic Wind—									
Speed ... ... (m/s.)	13	11	13	5	9	16	13	18	22
Degrees from N.	310	300	280	270	180	150	345	350	160
Wind (Anemograph)—									
Speed ... ... (m/s.)	8	5	6	3	2	4	9	10	12
Degrees from N.	295	295	270	270	135	135	325	335	135
Humidity at surface ... ... (%)	93	83	79	78	94	96	68	67	68
Type of Tropopause	II.	II.			I.	I.	I.	I.	I.
H_c = Height of ,, ... (km.)	12·87	11·61	—	—	10·23	11·17	9·58	8·58	10·32
T_c = Temp. at ,, ... (a.)	210	217	—	—	213	211	219	225	213
P_c = Pressure at ,, ... (mb.)	170	206	—	—	246	214	267	306	241
Mean Temp. in Stratosphere (H_c+2) to (H_c+5) (a.)	210	216	—	—	—	—	220	226	—
(H_c+5) to (H_c+8) (a.)	—	220	—	—	—	—	—	220	—
(H_c+8) to (H_c+11) (a.)	—	—	—	—	—	—	—	217	—
T_m (Mean Temp. 1 to 9 km.) (a.)	260	256	255	—	249	253	248	243	250
P_s (Pressure at M.S.L.) ... (mb.)	1009	1012	1006	1015	1018	1002	999	1004	1011

546. **1927.**

REMARKS ON THE SOUNDINGS AND THE PREVAILING WEATHER CONDITIONS, 1927.

No. of Ascent.

662. Weather dull with slight mist and drizzle. Clouds, Nimbus, 10/10 from WNW at about 0·5 km. Isothermal layers and inversions between 1.31 km. and 2.56 km. Small inversion from 5·94 km. to 6·07 km.; Temp. 253·5 a. to 254 a. Pressure distribution: An anticyclone off the west of Ireland, depression to the north of Scandinavia with a secondary near Denmark. Depression over the Mediterranean. Type doubtful.

663. Weather fair. Clouds, Cu. and St. 4/10 from WNW, Stratus at about 0·45 km. Some Cirrus seen shortly after moving from WNW. Inversion on ascent from 1·80 km. to 2·23 km.; Temp. 269 a. to 270·5 a. Relative humidity 96 per cent. to 54 per cent. Inversion on descent from 2·23 km. to 2·82 km.; Temp. 270 a. to 271 a. Mean of both records employed throughout except over the upper 1½ kilometres, where a bias was made towards the colder descending trace. The ascent showed a considerable warming up at this height. Pressure distribution: High to the south west of Ireland and west and north west of Iceland. Lows centred over northern Scandinavia and off the Gulf of Riga. Type I.

665. Weather fair to dull with slight rain. Clouds, Stratus 9/10 from W, Ci-Cu. from WNW seen soon after. Inversion from 2·42 km. to 2·55 km.; Temp. 268·5 a. to 269·5 a. Relative humidity 89 per cent. to 74 per cent. Pressure distribution: Depression embracing the British Isles centred over the Shetlands and extending in a north easterly direction to a complex low pressure area over northern Scandinavia. Shallow low system over Italy and the western Mediterranean Relatively high over Spain, southern France, and southern Germany. Type doubtful.

666. Weather fair. Clouds, Cumulus 8/10 at about 0·9 km., Cirrus 1/10 from WSW. An isothermal layer extended from 2·28 km. to the highest point reached; Temp. 263·5 a. Pressure distribution: Deep depression over Finland, a secondary at the mouth of the English Channel, relatively high over south west Europe. Type doubtful.

667. Weather dull, slight rain. Clouds, Nb, A-Cu, and Ci-St. 9/10. The Nb. was at about 1·2 km. from S, the A-Cu. was moving from SW. Inversion on ascent from 1·26 km. to 1·63 km.; Temp. 270·5 a. to 271·5 a. Inversion on descent from 2·12 km. to 2·31 km.; Temp. 264·5 a. to 265 a. Relative humidity 93 per cent. to 100 per cent. The record of humidity was obtained from the descending trace as the record failed on the ascent. Pressure distribution: Depression off south west Ireland, other lows to the north of Scandinavia and north Russia. Large area of relatively high and uniform pressure over central and southern Europe. Type doubtful.

668. Weather dull and rainy. Clouds, St-Cu. 10/10 at about 0·6 km. from SE. The hairs of the hygrograph appear to have become saturated and then to have frozen stiff at about 2 km. and thereafter to have hardly varied in length. Pressure distribution: Complex low over Ireland and Wales with a trough of low pressure extending southwards over the coast of Portugal. A depression centred over northern Scandinavia, high over Central Europe and north west of Iceland. Type VII.

671. Weather fine. Clouds, St-Cu. 1/10, Cu-Nb. 1/10, at about 0·8 km. from NW'N. Some A-Cu. seen moving from NW earlier. Inversion from 3·67 km. to 4·26 km.; Temp. 252 a. to 255 a., the lapse rate above this inversion was small up to 5·9 km. Pressure distribution: Depression centred to the west of Denmark extending southwards over southern Europe and embracing the British Isles and central Europe. High off the west of Ireland and north of Iceland. Type doubtful.

672. Weather fine. Clouds, Cumulus 2/10 from NNW, A-Cu. 2/10 from N'W, Cirrus, trace from NW'N. Mean of both records employed except over the upper 2 kilometres, where a bias was made towards the colder descending trace. The usual sudden fall of temperature on the fall took place when the balloon burst through the temperature was actually falling with increasing height in that region. Pressure distribution: Little change from the distribution prevailing at the time of sounding No. 671.

673. Weather fair. Clouds, St-Cu, A-Cu, Cirrus and Ci-Cu. The St-Cu. was moving from SE, the others from about SW. Inversion from 0·63 km. to 1·16 km.; Temp. 266 a. to 271·5 a. Relative humidity 76 per cent. to 51 per cent. Pressure distribution: Pronounced low off south west Ireland. High over Germany and southern Scandinavia. Type VII.

T = Temperature in Degrees Absolute. P = Pressure in millibars.
H = Height in kilometres above M.S.L. RH = Relative Humidity per cent.

No.	630.	631.	632.	633.	634.	635.	636.	637.	638.	639.
Date. Station.	Jan. 20 Kew.	Feb. 9 Kew.	Feb. 15 Sealand.	Feb. 15 Sealand.	Feb. 16 Sealand.	Feb. 16 Sealand.	Feb. 17 Sealand.	Feb. 17 Sealand.	March 25 Sealand.	March 30 Sealand.
Start (G.M.T.)	15h. 46m.	17h. 1m.	7h. 35m.	17h. 30m.	7h. 35m.	17h. 27m.	7h. 30m.	17h. 28m.	18h. 0m.	11h. 30m.

547. HEIGHTS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES. 1927.

Pressure.	H.	T.	H	T.	RH.	H.	T.	RH.	H.	T.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	H.	T.	H.	T.
Millibars.	km.	a. 200 +	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	km.	a. 200 +	km.	a. 200 +
100	...	...	...	...	...	16·03	13	...	16·06	13	...	...	...	16·06	14	...	16·00	17	...	...	...	15·75	21	16·16	23
200	...	...	...	...	...	11·80	5	...	11·83	3	11·80	7	...	11·79	7	...	11·66	7	...	11·56	12	11·21	29	11·57	33
300	8·80	20	...	...	...	9·26	23	...	9·29	23	9·25	25	...	9·24	25	...	9·14	22	...	9·04	19	8·49	29	8·79	33
400	6·90	32	7·09	36	15	7·31	39	27	7·33	41	7·30	40	45	7·29	41	43	7·20	37	39	7·13	34	6·58	27	6·85	34
500	5·34	45	5·52	46	16	5·70	53	31	5·72	53	5·69	51	70	5·68	51	74	5·62	49	38	5·56	45	5·05	41	5·30	44
600	4·01	55	4·18	55	18	4·33	59	90	4·35	61	4·33	61	90	4·32	60	79	4·27	57	77	4·22	56	3·74	51	3·98	51
700	2·85	60	3·02	61	19	3·14	69	64	3·15	70	3·13	69	82	3·13	69	81	3·08	67	78	3·05	65	2·59	60	2·82	60
800	1·83	65	1·99	67	20	2·08	75	83	2·09	75	2·07	75	91	2·06	75	79	2·03	73	81	2·00	70	1·55	67	1·79	67
900	0·91	69	1·07	65	77	1·13	79	90	1·13	81	1·11	79	96	1·11	79	80	1·08	76	80	1·06	75	0·62	74	0·87	73
1000	0·07	75	0·25	71	...	0·27	...	...	0·27	...	0·25	...	100	0·24	...	...	0·23	...	...	0·21	...	...	...	0·15	81

548. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN HEIGHTS. 1927.

Heights.	P.	T.	P.	T.	RH.	P.	T.	RH.	P.	T.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	P.	T.	P.	T
Kilometers	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	mb.	a. 200 +	mb.	a. 200 +
21	...	...	...	...	...	...	...	...	...	...	...	...	...	45	14	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	53	14	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	63	14	...	...	...	...	...	...	...	...	65	22
18	...	...	...	...	...	73	15	...	73	13	...	...	...	73	15	...	...	...	...	...	...	71	19	75	21
17	...	...	...	...	...	86	14	...	86	13	...	...	...	86	14	...	85	17	...	...	...	82	19	88	22
16	...	...	...	...	...	101	13	...	101	13	...	...	...	101	14	...	100	17	...	...	...	96	21	103	23
15	...	...	...	...	...	118	11	...	118	12	...	...	...	117	13	...	117	17	...	...	...	112	22	119	24
14	...	...	...	...	...	139	10	...	139	13	...	...	...	139	11	...	137	15	...	135	13	131	23	139	25
13	...	...	...	...	...	164	5	...	165	6	163	9	...	164	9	...	161	12	...	158	11	153	24	162	27
12	...	...	...	...	...	193	3	...	195	3	193	7	...	193	6	...	189	7	...	186	11	177	27	188	31
11	...	...	...	...	...	228	10	...	229	11	227	11	...	227	11	...	223	9	...	219	9	206	29	217	35
10	249	16	...	...	...	267	17	...	269	18	267	19	...	267	19	...	262	15	...	257	13	239	29	251	34
9	291	19	...	...	...	312	25	...	313	26	311	27	...	311	27	...	307	23	...	301	19	278	29	291	33
8	339	26	349	30	14	363	33	29	363	35	361	34	45	360	34	41	356	31	41	351	27	323	29	337	30
7	394	31	405	36	15	419	42	26	419	43	417	42	46	415	43	45	412	39	39	407	35	375	26	391	33
6	456	39	467	42	16	481	51	30	481	51	479	49	53	477	49	74	474	47	36	469	42	436	32	452	38
5	525	47	536	49	17	549	57	53	550	57	549	55	81	547	56	70	544	54	50	539	49	504	41	521	46
4	601	55	614	56	18	627	62	81	627	65	626	63	91	625	63	73	621	59	69	617	57	578	49	597	51
3	686	60	702	61	19	714	70	60	713	69	713	71	81	711	69	83	707	67	80	704	65	662	57	684	59
2·5	733	61	749	63	19	760	72	93	759	72	758	73	87	757	73	81	753	70	88	751	67	708	61	730	63
2·0	782	63	799	67	20	809	75	83	808	75	807	75	91	805	75	79	802	73	80	800	71	755	64	778	65
1·5	834	67	852	69	47	860	78	84	860	79	858	79	86	856	79	92	854	75	65	852	73	805	67	830	69
1·0	889	69	908	65	76	914	79	67	915	81	913	81	100	910	79	75	909	76	89	907	75	857	71	885	71
0·5	947	72	968	69	...	972	81	...	973	81	970	81	72	968	...	69	967	77	93	965	76	914	75	942	75
Ground	1007	76	1030	74	79	1032	75	95	1032	83	1030	78	97	1029	77	98	1028	77	96	1026	80	971	79	1001	82

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

549. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS. Degrees absolute per kilometre. 1927.

Kilometres										
20 to 21	...	...	...	...	...	0	...	...	...	...
19 to 20	...	...	...	...	...	0	...	...	...	...
18 to 19	...	...	...	...	...	1	...	...	...	−1
17 to 18	...	...	−1	0	...	−1	...	...	0	1
16 to 17	...	...	−1	0	...	0	0	...	2	1
15 to 16	...	...	−2	−1	...	−1	−1	...	1	1
14 to 15	...	...	−1	1	...	−1	−1	...	1	1
13 to 14	...	...	−5	−7	...	−3	−7	−1	1	3
12 to 13	...	...	−1	−3	−2	−3	−5	0	3	3
11 to 12	...	...	7	8	5	5	1	−2	1	5
10 to 11	...	...	7	7	7	7	7	3	1	−1
9 to 10	3	...	8	8	8	8	7	7	0	−1
8 to 9	7	...	8	9	7	7	7	8	0	−3
7 to 8	5	6	9	7	8	9	9	7	−3	3
6 to 7	9	6	9	9	7	5	7	7	6	5
5 to 6	8	7	6	5	6	7	7	7	9	8
4 to 5	8	7	5	7	7	7	5	8	7	5
3·0 to 4·0	5	5	8	5	7	7	9	7	9	7
2·5 to 3·0	3	6	4	5	5	6	5	6	7	8
2·0 to 2·5	4	7	7	6	5	6	7	6	7	6
1·5 to 2·0	6	3	5	7	7	6	4	4	6	6
1·0 to 1·5	4	−7	2	5	3	1	1	4	8	6
0·5 to 1·0	7	8	3	−1	0	−1	2	3	7	7
Gd. to 0·5	8	11*	−12	5	−5	−1	−1	8	8	13*

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree. * *See* Remarks.

T = Temperature in Degrees Absolute. P = Pressure in millibars.
H = Height in kilometres above M.S.L. $R\,H$ = Relative Humidity per cent.

No.	640.	641.	642.	643.	644.	646.	647.	648.	649.
Date. Station.	April 5 Sealand.	May 25. Sealand.	June 13. Sealand.	June 14. Sealand.	June 15. Sealand.	June 17. Sealand.	June 18. Sealand.	June 28. Sealand.	July 1. Kew.
Start (G.M.T.)	12h. 45m.	18h. 20m.	6h. 55m.	7h. 15m.	7h. 15m.	7h. 15m.	7h. 15m.	9h. 20m.	8h. 47m.

547. HEIGHTS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued*. 1927.

Pressure.	*H.*	*T.*	*RH.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*H.*	*T.*	*RH.*
Millibars.	km.	a. 200 +	%	km.	a. 200 +	km.	a. 200 +	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	km.	a. 200 +	%
100	16·09	21	...	16·36	19	16·25	27	...	...	...	16·40	25	...	...	...	...	16·48	27	...	16·51	33	...	...	Between 90 and 100.
200	11·58	23	...	11·94	13	11·70	20	11·67	19	41	11·89	15	...	...	...	...	11·84	32	...	11·78	34	...	...	
300	8·94	25	...	9·33	29	9·10	25	9·08	24	42	9·27	30	...	9·20	33	...	9·09	31	...	9·03	26	...	...	
400	6·98	39	61	7·33	45	7·15	39	7·14	38	40	7·27	45	58	7·18	48	44	7·11	42	27	7·08	39	...	...	
500	5·38	51	45	5·69	55	5·55	51	5·55	49	31	5·64	55	41	5·53	57	46	5·49	53	31	5·49	50	...	...	
600	4·03	56	32	4·31	65	4·19	60	4·20	59	39	4·26	62	42	4·14	64	59	4·12	61	45	4·13	59	...	...	
700	2·86	62	53	3·09	73	3·00	65	3·01	67	52	3·06	69	49	2·93	72	55	2·93	67	49	2·95	66	2·87	73	
800	1·82	68	100	2·01	79	1·96	72	1·96	71	74	2·00	74	63	1·86	77	85	1·88	72	80	1·89	72	1·79	79	
900	0·89	75	82	1·05	81	1·01	77	1·01	78	69	1·05	77	42	0·90	83	89	0·93	79	73	0·95	77	0·83	83	
1000	0·02	...	...	0·17	...	0·15	...	0·15	...	...	0·19	...	...	0·02	...	...	0·06	...	...	0·09	...	...	...	

548. PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN HEIGHTS—*continued*. 1927.

Heights.	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*RH.*
Kilometres	mb.	a. 200 +	%	mb.	a. 200 +	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	mb.	a. 200 +	%
21	47	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Between 90 and 100.
20	55	21	...	57	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
19	64	21	...	66	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	75	23	...	77	19	...	...	...	...	...	...	...	...	...	...	...	79	27	...	80	33	...	...	
17	87	23	...	90	19	89	27	...	...	...	91	25	...	...	...	...	92	27	...	93	33	...	...	
16	101	21	...	106	19	104	26	...	...	...	106	25	...	...	...	...	107	27	...	108	33	...	...	
15	119	26	...	124	18	121	25	...	...	...	124	24	...	...	...	...	125	27	...	125	33	...	...	
14	138	21	...	144	19	141	25	...	...	...	144	23	...	...	...	...	145	29	...	144	33	...	...	
13	161	23	...	169	17	164	24	...	...	...	168	21	...	...	...	...	168	29	...	167	33	...	...	
12.	187	23	...	198	13	191	21	...	...	...	197	16	...	...	...	...	195	32	...	194	34	...	...	
11	219	21	...	232	17	223	17	222	17	41	230	17	...	...	...	...	227	32	...	224	33	...	...	
10	255	21	...	271	23	261	18	260	17	41	269	24	...	...	...	...	263	31	...	260	31	...	...	
9	297	24	...	315	31	305	25	304	25	43	312	32	...	309	35	...	305	31	...	301	26	...	...	
8	345	33	61	363	40	354	33	353	33	42	361	40	60	357	41	...	352	36	26	350	32	...	...	
7	399	39	61	418	48	408	40	408	39	40	415	47	56	410	49	44	407	43	27	405	39	...	...	
6	459	47	56	480	55	470	47	470	45	30	477	53	44	470	54	45	467	49	29	466	47	...	...	
5	527	53	33	548	59	539	55	539	52	39	545	58	34	536	61	48	535	57	33	534	53	...	...	
4	603	57	32	624	67	615	61	615	60	40	620	63	43	610	65	56	610	63	44	611	59	...	...	
3	688	61	47	708	75	700	65	701	67	52	706	69	50	694	72	53	695	67	49	695	65	689	73	
2·5	735	65	70	754	77	746	67	746	71	61	752	73	57	738	73	74	740	69	56	740	69	733	75	
2	783	67	90	802	79	795	71	795	71	77	800	74	63	786	75	86	788	71	78	789	71	780	78	
1·5	834	71	100	852	79	846	75	847	74	71	851	77	65	836	79	84	839	75	82	840	73	829	81	
1	888	75	86	906	81	901	77	901	78	69	906	77	44	889	81	88	893	79	74	894	77	881	83	
0·5	944	...	64	962	85	957	81	958	83	61	963	...	80	944	85	87	949	83	73	951	80	936	85	
Ground.	1002	85	58	1020	87	1017	85	1017	87	67	1023	83	78	1001	87	94	1006	87	67	1010	85	993	87	

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

549. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS—*continued*. 1927.

Degrees absolute per kilometre.

Kilometres									
20 to 21	0	...	...	...	...	...	...	...	...
19 to 20	1	−2	...	...	...	...	...	...	...
18 to 19	1	−1	...	...	...	...	...	...	...
17 to 18	0	0	...	...	...	...	0	0	...
16 to 17	−1	0	0	...	−1	...	−1	0	...
15 to 16	5	−1	−1	...	−1	...	1	1	...
14 to 15	−5	1	0	...	−1	...	2	1	...
13 to 14	1	−2	−1	...	−2	...	0	−1	...
12 to 13	0	−5	−3	...	−5	...	3	1	...
11 to 12	−1	4	−3	...	1	...	0	0	...
10 to 11	0	7	1	0	7	...	−1	−3	...
9 to 10	3	8	7	8	8	...	0	−5	...
8 to 9	9	9	7	8	8	7	5	6	...
7 to 8	7	8	7	7	7	7	7	7	...
6 to 7	7	7	7	7	7	5	6	7	...
5 to 6	5	5	7	7	5	8	8	7	...
4 to 5	4	9	7	8	5	3	6	6	...
3 to 4	5	7	3	7	6	7	5	6	...
2·5 to 3	7	6	6	7	7	2	4	6	5
2 to 2·5	6	3	8	1	2	5	5	6	5
1·5 to 2	7	−1	6	6	5	7	7	4	5
1 to 1·5	8	6	6	8	2	5	8	6	4
0·5 to 1	11*	6	7	9	5	6	7	7	4
Gd. to 0·5		4	8	8		5	10	11*	6

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree. * *See* Remarks.

T = Temperature in Degrees Absolute. P = Pressure in millibars.
H = Height in kilometres above M.S.L. RH = Relative Humidity per cent.

No.	650.	651.	652.	653.	654.	655.	658.	660.	661.
Date.	July 5	July 9	July 13	Oct. 5	Oct. 11	Oct. 14	Oct. 15	Oct. 15	Oct. 16
Station.	North Sea. 52° 52′ N. 2° 15′ E.	Kew.	Kew.	Sealand.	Kew.	Sealand.	Kew.	Sealand.	Kew.
Start. (G.M.T.)	16h. 24m.	12h. 12m.	11h. 27m.	17h. 35m.	17h. 24m.	7h. 8m.	1h. 0m.	12h. 55m.	7h. 15m.

HEIGHTS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.*

547. **1927.**

Pressure.	H.	T.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.	H.	T.	RH.
Millibars.	km.	a. 200 +	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%
100	...	...	...	...	...	...	...	...	16·44	13	...	16·29	9	...	16·19	17	...	...	...	...	16·31	15	...	...	...	...
200	...	...	...	...	...	12·00	25	39	12·15	11	...	12·05	15	...	11·81	15	...	...	...	...	11·93	17	...	...	...	...
300	...	...	...	...	...	9·35	31	37	9·52	33	...	9·43	27	...	9·19	29	30	9·18	29	24	9·29	31	...	9·13	29	34
400	...	...	7·31	51	84	7·33	47	35	7·49	48	31	7·44	45	20	7·19	45	25	7·19	43	24	7·28	47	47	7·15	41	37
500	...	...	5·64	62	78	5·68	58	47	5·83	61	30	5·81	57	21	5·57	53	30	5·57	53	26	5·65	58	40	5·54	53	47
600	4·25	68	4·22	70	90	4·29	65	97	4·41	70	26	4·41	67	21	4·19	61	51	4·20	61	37	4·25	66	37	4·17	61	70
700	3·03	75	2·98	77	89	3·07	72	89	3·18	76	38	3·17	77	21	3·00	69	69	3·01	68	58	3·04	72	46	2·98	67	86
800	1·94	82	1·89	83	73	2·00	79	83	2·10	75	80	2·08	82	26	1·95	71	100	1·95	73	96	1·98	73	77	1·93	71	99
900	0·96	91	0·91	89	73	1·03	83	97	1·14	82	61	1·11	84	46	1·00	77	100	1·00	77	92	1·03	78	76	0·99	75	92
1000	0·06	95	0·02	...	...	0·15	...	...	0·26	87	...	0·23	...	...	0·14	...	...	0·14	...	...	0·16	...	...	0·13	82	...

PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN HEIGHTS—*continued.*

548. **1927.**

Heights.	P.	T.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.	P.	T.	RH.
Kilometres.	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%
21	...	...	...	...	...	...	...	...	...	...	...	47	11	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	55	11	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	64	11	...	...	...	...	...	...	...	66	19	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	76	11	...	...	...	...	...	...	...	77	18	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	89	10	...	88	17	...	...	...	...	90	17	...	...	...	...
16	...	...	...	...	...	...	...	...	107	13	...	105	9	...	103	17	...	...	...	...	105	15	...	...	...	...
15	...	...	...	...	...	...	...	...	126	11	...	124	8	...	121	15	...	...	...	...	123	15	...	...	...	...
14	...	...	...	...	...	...	...	...	148	11	...	146	9	...	141	16	...	...	...	...	145	16	...	...	...	...
13	...	...	...	...	...	...	...	...	174	10	...	171	11	...	165	16	...	...	...	...	169	16	...	...	...	...
12	...	...	...	...	...	200	25	39	205	13	...	201	15	...	195	15	...	...	...	...	198	17	...	...	...	...
11	...	...	...	...	...	233	20	37	239	20	...	235	18	...	228	17	...	...	...	...	232	19	...	...	...	...
10	...	...	...	...	...	272	27	37	279	28	...	275	23	...	266	24	...	265	23	24	270	25	...	...	...	...
9	...	...	...	...	...	315	35	37	323	37	...	319	31	...	309	32	30	308	30	24	313	33	...	306	30	34
8	...	...	364	47	75	364	42	35	372	45	31	369	40	20	357	39	28	356	38	24	362	41	48	354	37	35
7	...	...	417	53	84	419	49	35	427	51	32	425	48	20	411	45	25	410	45	24	417	49	46	409	42	38
6	...	...	477	60	79	479	56	40	488	59	30	487	55	21	472	51	28	471	51	25	477	56	42	469	50	41
5	545	63	543	67	81	546	61	76	556	67	28	556	63	20	540	55	35	540	55	28	545	61	39	538	57	53
4	619	69	617	71	87	622	67	97	632	71	29	631	71	21	615	63	57	616	62	40	620	67	36	614	63	69
3	703	75	699	77	89	707	73	89	716	77	40	715	78	21	700	69	69	701	68	58	704	72	47	697	67	87
2·5	747	78	742	79	80	751	75	83	762	77	65	760	81	23	745	70	87	746	71	70	749	73	64	743	67	100
2	795	81	789	83	74	800	79	83	809	77	76	808	83	27	794	71	100	795	73	92	798	73	76	792	70	99
1·5	844	86	838	85	76	850	82	87	861	80	65	858	84	37	845	75	99	846	75	99	849	75	87	843	73	97
1	896	90	890	89	71	904	83	100	915	83	65	911	84	49	899	77	100	900	77	92	904	78	75	898	75	92
0·5	950	93	945	87	100	960	85	100	972	85	55	968	81	88	957	80	97	957	81	...	960	83	61	956	80	87
Ground.	1006	90	1001	89	91	1017	89	91	1031	85	84	1028	84	89	1016	83	94	1016	83	95	1019	88	56	1015	82	98

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS—*continued.*

549. Degrees absolute per kilometre. **1927.**

Kilometres.									
20 to 21	...	...	...	...	—1	...	...	...	...
19 to 20	...	...	...	...	0	...	...	...	...
18 to 19	...	...	...	...	0	...	...	—1	...
17 to 18	...	...	...	...	—1	...	...	—2	...
16 to 17	...	...	...	...	—1	0	...	—1	...
15 to 16	...	...	...	—1	—1	—1	...	0	...
14 to 15	...	...	...	0	1	0	...	1	...
13 to 14	...	...	...	—1	2	0	...	0	...
12 to 13	...	...	...	3	5	—1	...	1	...
11 to 12	...	...	—5	7	3	2	...	2	...
10 to 11	...	...	7	8	5	7	...	6	...
9 to 10	...	...	8	9	7	8	7	8	...
8 to 9	...	...	7	7	9	7	8	8	7
7 to 8	...	7	7	7	8	7	7	8	5
6 to 7	...	7	7	7	7	5	6	7	8
5 to 6	...	7	5	7	8	5	4	6	7
4 to 5	6	5	6	5	8	8	7	5	6
3 to 4	6	6	5	6	7	5	6	5	5
2·5 to 3	5	5	6	1	6	3	6	1	1
2 to 2·5	7	6	7	—1	3	2	4	1	5
1·5 to 2	9	6	6	6	3	7	3	3	6
1 to 1·5	8	6	3	5	0	6	5	7	5
0·5 to 1	5	—4	1	5	—5	5	7	9	9
Gd. to 0·5	—5	6	9	—1	5	5	4	11*	4

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree. * *See* Remarks

T = Temperature in Degrees Absolute. P = Pressure in millibars.
H = Height in kilometres above M.S.L. RH = Relative Humidity per cent.

No.	662.	663.	665.	666.	667.	668.	671.	672.	673.
Date. Station.	Oct. 17 Sealand.	Oct. 18 Sealand.	Oct. 19 Sealand.	Oct. 20 Sealand.	Oct. 21 Sealand.	Oct. 22 Kew.	Nov. 9 Sealand.	Nov. 10 Sealand.	Dec. 20 Sealand.
Start G.M.T.	6h. 55m.	6h. 55m.	7h. 5m.	6h. 50m.	6h. 50m.	7h. om.	17h. 15m.	12h. 55m.	17h. om.

HEIGHTS, TEMPERATURES AND RELATIVE HUMIDITIES CORRESPONDING WITH ISOBARIC SURFACES—*continued.*

547. **1927.**

Pressure.	*H.*	*T.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*H.*	*T.*	*RH.*	*H.*	*T.*	*RH.*
Millibars.	km.	a. 200 +	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	%	km.	a. 200 +	k.m	a. 200 +	%	km.	a. 200 +	%
100	16·14	7	16·19	15	...	...	...	...	...	...	...	...	...	...	...	...	...	15·88	15	15·92	19	...	...	...	...
200	11·88	15	11·80	17	...	...	...	...	...	...	...	11·53	17	...	11·59	12	...	11·45	21	11·41	27	...	11·49	18	...
300	9·23	31	9·16	30	...	9·10	27	...	...	...	...	8·97	21	66	9·00	26	...	8·83	23	8·71	25	44	8·93	19	...
400	7·21	48	7·16	43	44	7·11	43	...	...	...	...	7·05	35	72	7·04	41	...	6·89	39	6·79	32	47	7·01	37	61
500	5·57	56	5·53	54	43	5·49	54	44	...	...	...	5·47	47	79	5·43	51	...	5·29	51	5·25	41	58	5·42	48	81
600	4·18	65	4·15	63	29	4·11	64	48	...	...	...	4·13	55	92	4·07	59	...	3·93	53	3·95	47	80	4·07	57	72
700	2·96	75	2·95	69	38	2·91	67	78	...	...	...	2·96	63	96	2·88	67	...	2·79	58	2·81	55	76	2·89	65	87
800	1·88	76	1·90	70	94	1·85	71	93	1·89	65	79	1·93	68	86	1·83	72	100	1·77	65	1·79	63	64	1·84	71	70
900	0·93	77	0·96	77	89	0·91	77	84	0·97	72	91	0·99	72	72	0·88	78	85	0·84	73	0·87	70	70	0·91	71	62
1000	0·07	...	0·10	...	...	0·05	...	...	...	...	...	0·15	...	...	0·02	...	...	...	...	0·03	...	...	0·09	...	...

PRESSURES, TEMPERATURES AND HUMIDITIES AT GIVEN HEIGHTS—*continued.*

548. **1927.**

Heights.	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*P.*	*T.*	*RH.*	*P.*	*T.*	*RH.*
Kilometres.	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	%	mb.	a. 200 +	mb.	a. 200 +	%	mb.	a. 200 +	%
21	...	...	47	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	55	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	53	15	...	...	...	...
19	63	17	65	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61	17	...	...	...	...
18	74	16	75	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72	18	...	...	...	...
17	87	11	88	19	...	...	...	...	...	...	...	...	...	...	...	...	...	83	11	84	16	...	...	...	...
16	102	7	103	15	...	...	...	...	...	...	...	...	...	...	...	...	...	98	14	98	19	...	...	...	...
15	120	7	121	15	...	...	...	...	...	...	...	...	...	...	...	...	...	115	15	115	21	...	...	...	...
14	141	11	141	17	...	...	...	...	...	...	...	135	19	...	...	...	...	135	19	135	21	...	...	...	...
13	167	10	165	17	...	...	...	...	...	...	...	159	18	...	160	15	...	157	20	157	23	...	158	19	...
12	196	14	193	17	...	...	...	...	...	...	...	185	17	...	187	13	...	183	21	183	27	...	185	18	...
11	229	20	227	19	...	223	15	...	...	...	...	217	15	...	220	12	...	215	23	212	27	...	217	17	...
10	267	26	264	24	...	261	21	...	...	...	...	255	14	...	258	19	...	250	21	247	27	...	254	14	...
9	310	33	307	31	...	304	29	...	...	...	...	298	21	...	300	26	...	292	21	287	26	...	297	19	...
8	358	42	355	39	41	352	36	43	...	...	...	347	28	68	349	33	...	340	29	333	27	44	346	28	62
7	411	49	409	45	44	406	45	44	...	...	...	402	35	73	403	41	...	394	38	387	31	46	401	37	61
6	471	54	469	51	45	466	51	44	...	...	...	464	43	77	463	48	...	454	47	447	36	50	462	45	65
5	538	60	537	57	37	533	58	45	...	...	...	533	49	85	530	54	...	520	53	517	41	62	530	51	79
4	613	67	612	64	30	608	65	49	...	...	...	611	57	93	606	59	...	595	54	595	47	79	606	58	72
3	696	75	696	69	38	691	67	74	...	...	...	697	63	96	690	66	...	681	57	682	53	81	691	65	86
2·5	741	76	741	71	45	737	69	77	740	63	64	743	65	99	735	69	...	728	61	729	58	71	736	67	80
2	788	76	789	71	76	785	70	94	790	65	83	793	68	88	783	71	100	776	63	778	62	66	785	70	73
1·5	838	75	841	73	85	836	73	90	842	68	85	844	70	72	833	74	96	828	67	831	65	68	836	70	50
1	892	77	895	76	89	890	77	85	897	72	90	899	72	72	886	77	87	882	71	886	69	72	890	70	56
0·5	949	80	952	79	87	946	79	80	955	75	86	957	76	75	942	80	93	939	76	944	74	61	949	...	...
Ground.	1008	85	1011	82	83	1005	83	79	1015	79	78	1018	77	94	1001	83	96	998	79	1003	79	67	1011	71	68

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree, and are shown to the nearest whole degree.

LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS—*continued.*

549. Degrees absolute per kilometre. **1927.**

Kilometres.									
20 to 21	...	1	...	...	...	...	...	...	...
19 to 20	...	−2	...	...	...	...	...	2	...
18 to 19	−1	0	...	...	...	...	...	1	...
17 to 18	−5	−2	...	...	...	...	...	−2	...
16 to 17	−5	−3	...	...	...	...	3	3	...
15 to 16	1	0	...	...	...	...	1	2	...
14 to 15	3	3	...	...	...	...	4	1	...
13 to 14	−1	0	...	...	−1	...	1	1	...
12 to 13	4	0	...	...	−1	−3	1	5	−1
11 to 12	6	2	...	...	−2	−1	2	0	−1
10 to 11	6	5	5	...	−1	7	−2	0	−3
9 to 10	7	7	8	...	7	7	1	−1	5
8 to 9	9	7	7	...	7	7	8	1	9
7 to 8	7	7	8	...	7	8	9	4	9
6 to 7	5	5	7	...	9	7	9	5	7
5 to 6	6	7	7	...	5	6	6	5	7
4 to 5	7	7	6	...	7	5	1	5	7
3 to 4	7	5	3	...	7	7	3	7	7
2·5 to 3	3	2	4	...	5	7	8	10	6
2 to 2·5	0	0	2	2	5	4	6	8	5
1·5 to 2	−1	4	6	7	4	5	8	7	0
1 to 1·5	4	7	7	8	4	7	8	7	0
0·5 to 1	5	7	6	7	8	5	9	9	1
Gd. to 0·5	9	5	7	7	2	7	7	10	

Note.—The lapse rates are derived from the original tabulations, which are generally made to the nearest half-degree.

Printed under the authority of His Majesty's Stationery Office by Jas. Truscott & Son, Ltd., Suffolk Lane, E.C. 4.