



Scale 1:5,000,000.

Observations from Stations underlined and from Upper Air Stations are published in the "Geophysical Journal."  
Daily values are published in the following pages for all stations marked (d).

M.O. No. 238c.

AIR MINISTRY.

METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR-BOOK, 1920.

PART III., SECTION 1.

DAILY READINGS

AT

METEOROLOGICAL STATIONS OF THE  
FIRST AND SECOND ORDERS  
1920.

Published by Authority of the Meteorological Committee.



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# TABLE OF CONTENTS.

FRONTISPIECE MAP SHOWING POSITIONS OF STATIONS . . . . .	To face Title
INTRODUCTION . . . . .	page i

## METEOROLOGICAL DATA.

RESULTS FOR STATIONS OF THE FIRST AND SECOND ORDERS.

The numbers indicate the pages on which the information is given.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Aberdeen . . .	1	5	9	13	17	21	25	29	33	37	41	45	50
Armagh . . .	4	8	12	16	20	24	28	32	36	40	44	48	56
Birmingham . . .	3	7	11	15	19	23	27	31	35	39	43	47	—
Cambridge . . .	3	7	11	15	19	23	27	31	35	39	43	47	—
Deerness . . .	1	5	9	13	17	21	25	29	33	37	41	45	—
Douglas . . .	2	6	10	14	18	22	26	30	34	38	42	46	—
Dublin . . .	4	8	12	16	20	24	28	32	36	40	44	48	—
Fort William . . .	2	6	10	14	18	22	26	30	34	38	42	46	—

ANNUAL SUPPLEMENT . . . . .	pp. 49-56
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# DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS.

## THE BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK.

THE serial statistical publications of the Meteorological Office which have been grouped together under this title are as follows :—

Part I. *Weekly Weather Report*, with appendices. Issued on Friday of each week. Price 6d. per number. Annual subscription (which includes the Monthly Weather Report) 30s., postage paid.

Part II. *Monthly Weather Report*, with an annual summary. Issued on the 27th day of each month. Price 6d. per number.

Part III. (1) *Daily Readings* at Stations of the First and Second Orders. Issued in monthly parts within about five weeks of the close of each month. An annual supplement is also issued. Price 6d. each part. Annual volume, 5s.

Part III. (2) *Geophysical Journal* of the Observatories of the Meteorological Office. Issued in monthly parts, with an annual supplement. Price 1s. each part. Annual volume, 10s.

Part IV. *Hourly Values from Autographic Records*. Issued at the end of each year. Price 5s.

Part V. *Réseau Mondial*. Monthly and annual summaries for land stations, generally two for each ten-degree square of latitude and longitude. Issued in annual volumes.

## “DAILY READINGS” FOR THE YEAR 1920.

The present tables are issued in continuation of the annual volumes of “Meteorological Observations at Stations of the Second Order,” which have been published since 1873. They contain daily observations made at 9 h. and 21 h. at eight selected stations in the British Isles. The corresponding Daily Values for three Observatories, together with tables of Wind-Components for four anemograph-stations, will be found in the “Geophysical Journal” (Part III., Section 2 of the Year-Book). It may be noted that daily readings at 1 h., 7 h., 13 h., and 18 h. are given in the Daily Weather Report. The maps in that publication, as well as the descriptive summary in the Monthly Weather Report, may be regarded as complementary to the tables in the present volume.

On pp. 49-56 of this volume will be found the Annual Supplement, which shows at one opening the mean values or totals for each month, and for the whole year, of the various elements at eleven stations, together with the extreme temperatures and the maximum rainfall. In the selection of stations for inclusion in this Supplement preference was given to those for which observations at an afternoon hour were available. For the annual values at other stations reference should be made to the Annual Summary of the Monthly Weather Report. In the Annual Summary are also given in Tables VI., VII., VIII., and IX., Monthly and Annual Frequencies of days of Sunshine of specified duration for sixteen stations; the lowest day- and highest night-temperatures for each month, with the dates of their occurrence, for eighteen



stations; the frequency of specified daily rainfall totals and the frequency of specified maximum and minimum temperatures, for the year, for eighteen stations.

To render the observations available for general use as early as possible "Daily Readings" appears in monthly parts, which are issued usually within five weeks of the close of the month to which the observations refer. The monthly issues can be purchased separately.

The observations have been made in accordance with the instructions given in the "Observer's Handbook," to which reference should be made for particulars of the types of instruments used, the general regulations regarding their exposure, and the methods of observing.

The form adopted for publishing the results is that prescribed by the Permanent Meteorological Committee of the International Congress of Official Delegates which met in Vienna in 1873. It was agreed upon at a meeting of the Committee at Utrecht in 1874. For the purposes of this publication the form has been amplified, since 1906, to include the depression of the wet-bulb thermometer, the duration of bright sunshine, the minimum temperature on the grass, and the weather at the time of observation, wherever these data are available.

The results of the observations are expressed in metric units in the present volume. The units adopted for the different elements are stated below. Tables for conversion from British to Metric Units are given in the 1915 volume and in the "Computer's Handbook." They are also available on a card (M.O. Form 398), which can be obtained on application to the Meteorological Office.

*Hours of Observation.*—The observations at Deerness, Aberdeen, and Fort William have been made at 9 h. and 21 h. by Greenwich Mean Time throughout the year, the adoption of "Summer Time" for the public clocks from March 28 to October 25 not affecting the use of Greenwich Time for meteorological purposes.

The hours of observation at Douglas, Birmingham, Dublin, and Armagh are reckoned by local time, approximately 20 minutes, 7 minutes, 25 minutes, and 25 minutes after Greenwich Mean Time. The times of observations entered in the "remarks" column are referred to Greenwich Time throughout the year. It may be noted that, with the introduction of Summer Time in 1916, a permanent change was made in the hours of observation at Cambridge. Up to May 20, 1916, they were 9 h. and 21 h., but subsequently they have been 8 h. and 20 h.

*Height of the Station.*—The height of the station, denoted by the letter H, is that of the ground on which the rain-gauge stands. Irish Ordnance Datum is the height of low-water at Dublin, which is 7 feet below British Ordnance Datum, which is the Mean Sea Level at Liverpool and within a foot of the mean level of the sea round the British Isles. A correction of -7 feet has accordingly been applied since 1885 to the heights of Irish stations above Irish Ordnance Datum. In the case of Armagh it has recently been noticed that such a correction was applied inadvertently to heights which were already referred to Mean Sea Level. The heights above Mean Sea Level published for this station from 1885 to 1918 should therefore be increased by 7 feet. The correct values are,  $H = 204$  ft. (62 m.),  $H_b = 209$  ft. (64 m.),  $H_a = 254$  ft. (77 m.). The height of the barometer  $H_b$  is the height of the cistern above Mean Sea Level. The height of the thermometers  $h_t$  is the height above the ground on which the screen stands: the height of the rain-gauge  $h_r$  is the height of the rim of the receiver above the ground.

*Pressure.*—The values of pressure are given for Mean Sea Level, and the readings of the barometers have been corrected for the variation of gravity with latitude. The values are therefore in true units of pressure. They are expressed in millibars. 1 millibar =  $10^3$  dynes per square centimetre = 0.0295306 inches or 0.75008 millimetres of mercury under standard conditions.

*Temperature.*—The maximum and minimum thermometers are read and set at 21 h. The values are given in degrees absolute. Temperatures at or below 273a., the normal freezing point of water, are printed in small type.

*Hygrometry.*—The tables used in the computation of the vapour pressure and percentage humidity are based on Glaisher's formulæ, which represent the mean results of long series of comparisons between the readings of dry- and wet-bulb thermometers and dew point hygrometers. There may be considerable errors when the formulæ are applied to individual readings. In general the calculated humidities which are published here will be too low on windy days, too high in calm weather. The vapour pressure is expressed in millibars.

*Wind.*—At Deerness, Aberdeen, and Armagh, stations provided with Robinson Anemometers, the results are taken from the instrumental records, and the velocities are expressed in metres per second (m/s). No direction is specified if the velocity is under 2 m/s, and such winds have been counted as "calms" in preparing the summaries published in the "Monthly Weather Report." The heights of the anemometers are as follows:—

	Above sea-level.	Above ground.	Above Building.
Deerness . . . .	57 m.	5 m.	2 m.
Aberdeen . . . .	37 m.	22 m.	4 m.
Armagh . . . . .	77 m.	15 m.	—

The observatory at Armagh is sheltered by trees, so that the recorded wind-velocity at this station does not represent the general flow of the air at the same level in the neighbourhood. The wind speeds given for this station from January to November of the current year have been amended; the amended values will be found on page viii.

The factor used for translating the run of the cups into the velocity of the wind has been 2.2 since January 1906. Previous to that date the factor 3.0 was used. With the factor 2.2, winds below 8 m/s are probably under-estimated (see "Observer's Handbook," 1919, p. 79).

At the remaining stations the observations are estimated on the Beaufort Scale, 0-12. The following table may be used for a comparison between anemometer records and estimates on the Beaufort Scale. The table refers to the wind speed at 10 metres above ground in the open.

Beaufort Scale.	Calm.	Light Air.	Slight Breeze.	Gentle Breeze.	Modt. Breeze.	Fresh Breeze.	Strong Breeze.	High Wind.	Gale.	Strong Gale.	Whole Gale.	Storm.	Harri- cane.
	0	1	2	3	4	5	6	7	8	9	10	11	12
Mean wind speed at 10 metres.	Less than 1	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
	Less than 0.3	0.3 to 1.5	1.6 to 3.3	3.4 to 5.4	5.5 to 7.9	8.0 to 10.7	10.8 to 13.8	13.9 to 17.1	17.2 to 20.7	20.8 to 24.4	24.5 to 28.4	28.5 to 33.5	Above 33.5



LIST OF STATIONS OF THE FIRST AND SECOND ORDERS.

Station.	Authority.	Daily Readings.	Monthly Summaries.	Collected Monthly Summaries.	Normals.
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(a) Stations for which Daily Readings are published in this volume.

Deerness . . .	W. Delday . . .	1886-	1886-	1886-1907	a. b. c.
Aberdeen . . .	Prof. C. Niven, M.A., F.R.S. . .	*1911-	1876-	{ 1886-1907, 1914-	a. c. d. e.
Fort William . .	W. T. Kilgour . . .	*1911-	1890-	1890-1907	a. c. d.
Douglas . . .	The Borough Surveyor . . .	1878-	1884-	1878-1907,	a. c. d.
Birmingham (Edgbaston).	The Curator for the Midland Institute.	1918-	1900-	{ 1897-1907, 1918-	a.
Cambridge . . .	The Curator (for the Botanic Gardens Syndicate).	*1899-	1876-	1899-1907	a. d.
Armagh . . .	The Director . . .	*1884-	1884-	{ 1884-1907, 1914-	a. c. d.
Dublin (Phoenix Park)	The Superintendent, Ordnance Survey Office.	1886-	1902-	1881-1907	a. c.

(b) Stations for which Daily Readings are published in the *Geophysical Journal*; summaries in this volume

Cahirciveen (Valencia Observatory).	L. H. G. Dines, M.A., Superintendent.	*1911-	1876-	{ 1886-1907, 1914-	a. c. e.
Eskdalemuir . . .	A. Crichton Mitchell, D.Sc., Superintendent.	1910-	1910-	1914-	—
Richmond (Kew Observatory).	C. Chree, Sc.D., F.R.S., Superintendent.	*1911-	1884-	{ 1886-1907, 1914-	a. c. d. e.
Jersey (St Louis Observatory).	Rev. Marc Dechevrens, S.J. . .	*1914-	1919-	—	—

(c) Stations for which Summaries only are published in this volume.

Lerwick . . .	Coastguard (for M.O.) . . .	*—	1911-	1914-	a. c.
Castlebay . . .	J. Smith (for M.O.) . . .	*—	1908-	1914-	—
Huddersfield . . .	J. Firth (for the Corporation) . .	—	1907-	1914-	—
Yarmouth (Gorleston).	Coastguard (for M.O.) . . .	*—	1876-	1916-	a. c. d.
Falmouth . . .	The Meteorological Office . . .	*—	1869-	{ 1886-1907, 1914-	a. c. d. e.
Southport . . .	J. Baxendell (for the Corporation).	—	1902-	1914-	a.

\* See Notes, p. vi.

The wind direction is *true*, i.e. geographical as distinguished from *magnetic*, in all cases.

*Cloud and Weather.*—The amount of cloud is estimated on the scale, 0, sky cloudless: 10, sky completely overcast. No account is taken of the form or density of the cloud. The weather at the time of observation is indicated by appending the appropriate weather symbol to the figure showing the amount of cloud.

*Remarks.*—The following symbols which have been adopted by international agreement are used in the column headed "Remarks."

Rain . . .	•	Soft Hail . .	△	Hoar Frost . .	⊥	Thunder . .	⚡	Lunar Corona .	☾
Snow . . .	*	Ice Crystals .	←	Dew . . .	☾	Lightning . .	⚡	Lunar Halo .	☾
Snow lying . .	☒	Fog . . .	≡	Rime . . .	∇	Gale . . .	↘	Rainbow . .	( )
Snow Drift . .	⊕	Wet Fog . .	≡	Glazed Frost .	~	Solar Corona .	☉	Aurora . .	☾
Hail . . .	▲	Mist . . .	≡°	Thunderstorm	⚡	Solar Halo .	⊕	Haze . . .	∞

The intensities of the various phenomena are indicated by appending indices <sup>0</sup> or <sup>2</sup> to them, thus:—

•<sup>0</sup> slight rain.

•<sup>2</sup> heavy rain.

In giving the time of occurrence of a phenomenon, the "m" of the designations a.m. and p.m. is not printed. Hence—

a. stands for a.m.; p. stands for p.m.; n. is used to indicate "night."

Figures printed in italic type are interpolations adopted in the absence of the usual data. They have been obtained by careful comparison of the returns from neighbouring stations. The extreme values of temperature, humidity, and rainfall in each column are shown by the letters *x* and *n*.

NOTES ON THE LIST OF STATIONS.

A list of stations with the names of the Observers and references to previous observations is given on p. iv.

None of the stations for which daily values are given have appeared continuously in this publication since its commencement in 1873. The years during which each of the present stations has appeared are shown in the list as well as the years for which monthly summaries are published.

It may be noted that Daily Readings at the seven observatories in connection with the Meteorological Office—Aberdeen, Glasgow, Stonyhurst, Armagh, Valencia, Falmouth, and Kew—were not published as such when the publication of "Daily Readings at Stations of the Second Order" commenced in 1873. The weather at the observatories was recorded from 1869 to 1880 in the Quarterly Weather Report by means of reproductions of the traces of the autographic instruments. Hourly readings for all the observatories were published from 1874 to 1883. In 1884 the number of such observatories was reduced by the omission of Glasgow, Stonyhurst, and Armagh. It was not until the appearance of the "Geophysical Journal" in 1911 that the daily readings at the three observatories now under the direct control of the Office—Valencia Observatory, Cahirciveen; Kew Observatory, Richmond; and Eskdalemuir Observatory, Dumfriesshire—were made accessible in the same form as those at the Stations of the Second Order given in this volume.



A card-catalogue showing the forms of publication of observations at the various stations is being prepared at the Office.

*Deerness*.—The following records for Orkney form an approximately homogeneous series: Stromness, 1827–1832; Sandwick, 1832–1885; Swanbister, 1886–1890; Stenness, 1890–1891; Deerness, since 1891. For data from 1827 to 1859, see “Meteorological Observations taken at Orkney, with remarks on the Climate,” by the Reverend Ch. Clouston (1861). Observations have appeared in the *Journal of the Scottish Meteorological Society* from 1856. For more recent information reference should be made to “The Climate of Orkney,” by Magnus Spence, F.E.I.S. (*Edinburgh J. Scot. Met. Soc.*, vol. xiv., 1908, p. 238).

*Aberdeen*.—Telegraphic reports from Aberdeen have been received since 1860. The Observatory dates from 1867. The telegraphic work was transferred to the Observatory in 1888.

*Fort William*.—This station was started in 1883 so that the observations might be available for comparison with those at the summit of Ben Nevis, where an observatory was in operation from 1883 to 1904. A first-class observatory was maintained at Fort William by the Meteorological Office from 1890 to 1904, and “Hourly Means” were published for those years.

*Douglas*.—The station was moved from Cronkbourne to the Cemetery in 1908.

*Birmingham (Edgbaston)*.—The Observatory of the Birmingham and Midland Institute has been at Edgbaston since 1884. Observations have been published locally from 1891.

*Cambridge*.—Daily observations appeared in the Daily Weather Report, 1872–1899. The meteorological station was transferred from the Observatory to the Botanic Gardens in January 1904.

*Armagh*.—Regular observations have been made at Armagh since 1833, and less systematic records are available from 1793. Armagh was one of the original seven observatories of the Meteorological Office, and the observations have been published since 1869.

*Dublin (Phoenix Park)*.—Observations have been made since 1855; publication by the Meteorological Office dates from 1881. For earlier years, from 1876, Dublin was only represented in official publications by Dr (now Sir) John Moore’s station in the city.

*Cahirciveen (Valencia Observatory)*.—The Observatory was established on Valencia Island in 1867, and moved to Cahirciveen in 1892. The telegraphic reports which were sent from Valencia from October 8, 1860, were not supplied by the Observatory until June 1876.

*Eskdalemuir*.—The Observatory was opened in 1908.

*Richmond (Kew Observatory)*.—Systematic meteorological observations have been made since 1843. The Observatory was the model for the six observatories established by the Office in 1867.

*Jersey (St Louis Observatory)*.—The Observatory is about 3 miles from the telegraphic station at St Aubins. It was founded in 1894, and observations up to 1913 were published locally. Abstracts for 1914–1916 were issued as a supplement to the “Geophysical Journal,” 1916. The observations at this station were discontinued at the end of 1920 on the retirement of the Reverend M. Dechevrens, S.J.

*Lerwick*.—A telegraphic reporting station was established in the Shetland Islands

in 1876 at Sumburgh Head. It was transferred to Lerwick in May 1911. From May 17, 1918, the station was at Ander Hill, on Bressay Island, in a higher and much more exposed position. It was re-established at Fort Charlotte on March 1, 1919.

*Castlebay*.—Telegraphic station established in 1907.

*Huddersfield*.—Reports published from 1907.

*Yarmouth*.—One of the original telegraphic stations (1860). The position of the station was changed in 1872 and in 1907, and since 1915 has been at Gorleston, on the south side of the mouth of the river Yare.

*Falmouth*.—One of the original observatories. Daily readings as such were not published until Falmouth became a telegraphic reporting station in 1914. They are now given in “The Daily Weather Report.”

*Southport*.—For full particulars reference should be made to the summaries published locally. The record commenced in 1871.

#### INFORMATION FOR PREVIOUS YEARS.

The following list gives the dates of various series in which monthly values of meteorological elements for British stations are incorporated:—

International Form B: published in “Observations at Stations of the Second Order”	1873–1907
and in “Observations at Stations of the First and Second Orders: Annual Supplement”	1914–
Monthly Weather Report (with Annual Summary from 1905)	1884–
Weather Summaries; Working forms preserved at M.O.	1876–1902
International Form B: Working forms preserved at M.O.	1902–
For Royal Engineers Stations: “Abstracts” by Col. Sir H. James, London, 1862	1853–1858
For Observatories; Q.W.R. 1869–1880; H.R. 1881–	1869–
For Telegraphic Stations; Q.W.R. 1876–1880; D.W.R. Supplement 1881–1888	1876–1888
For Royal Meteorological Society Stations: Meteorological Record	1881–1911
For Scottish Stations: Journal of the Scottish Meteorological Society	1856–
Registrar-General’s Returns (England)	1849–
Registrar-General’s Returns (Ireland)	1864–
British Rainfall	1860–

#### NORMAL VALUES.

Reference is made in the list of stations, and also in the tables of observations, to publications of the Office containing average values for long periods, by letters a, b, etc. The explanations of these letters are as follows:—

- a. *The Book of Normals—Section I*.—Normal monthly values of temperature, rainfall, and sunshine for the thirty-five years 1881–1915. Successor of Appendix IV. of “The Weekly Weather Report, 1913,” which gave for temperature and rainfall corresponding values for the thirty-five years ending 1910, and for sunshine for thirty years to the same date.
- b. Appendix I. to the volume of “Meteorological Observations at Stations of the Second Order” for 1891. Monthly averages for all elements for the fifteen years 1876–1890.
- c. “Temperature Tables of the British Islands,” 1871–1900. Monthly averages of mean maximum, mean minimum, and mean temperature, generally for the thirty years 1871–1900, together with information on the extremes of temperature over the same period. These tables give more detailed information than will be found in “The Book of Normals.”
- d. “Rainfall Tables of the British Islands,” Part I., 1866–1880; Part II., 1881–1890. These tables give more detailed information than will be found in “The Book of Normals.”
- e. “Hourly Values from Autographic Records,” *Geophysical Section*.



METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, W.C. 2.  
March 14th, 1921.

Corresponding Normal Values are referred to thus:—a. Appendix IV, "Weekly Weather Report," 1913; b. Appendix I, "Meteorological Observations at Stations of the Second Order," 1891; c. "Temperature Tables of the British Islands," 1871-1900; d. "Rainfall Tables of the British Islands," Part I, 1866-1880. Part II, 1881-1890; e. "Hourly Values," *Geophysical Section*, 1912.

W. 21/563-250-3/20—N. & Co., Ltd. Cp. XV.



## FORT WILLIAM, INVERNESS-SHIRE, a.c.—JANUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=52.1 m.; Barometer, H<sub>b</sub>=11.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.*	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	Dry Bulb.		Max. Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.	9 h.	21 h.					
			9 h.	21 h.		9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								9 h.	21 h.
	millibar.		a.	a.	a.	a.	millibar.						%	%	Tenths of Sky covered.		mm.				
1	999.3	1002.7	71.9	74.0	75	71	1.1	0.6	3.9	5.9	69	89	—	0-12	0	0-12	3	4	10	Passing * showers.	
2	1007.1	1001.7	72.3	72.6	76	71	1.5	0.7	3.7	4.9	64	83	225	1	—	0	225	3	4	10	Fine.
3	997.3	1004.7	75.4	77.8	78	72	1.9	2.6	5.2	5.6	72	66	225	2	135	5	7	10	0	Dull.	
4	1021.0	1033.8	76.6	73.0	78	73	1.9	1.1	5.7	4.6	72	75	45	1	—	0	10	1	—	—	Fine.
5	1039.9	1032.5	69.7	74.1	74	73	0.6	1.3	3.6	5.1	76	77	—	0	225	3	0	10	10	2.5	Fine and sunny.
6	1023.7	1013.2	75.3	78.6	79	74	0.7	0.6	6.4	8.2	80	91	225	3	225	3	10	10	10	1.3	Muggy. * g.
7	1002.7	978.6	79.6	83.0	83	79	1.4	0.6	7.8	11.3	80	93	225	3	225	6	10	10	10	57.9	* and q. after 10 h.
8	979.3	989.8	77.8	73.0	84	72	2.1	1.7	6.2	4.0	72	65	315	1	270	1	10	1	10	5.8	* and *.
9	996.9	994.2	72.4	74.2	75	71	0.6	1.6	5.0	4.8	85	73	225	2	225	3	7	5	3	3.8	* 7.5 cm. * Partial shower.
10	984.4	984.7	73.4	73.0	76	72	0.9	1.1	5.1	4.6	81	75	—	0	—	0	10	6	9	9.4	Fair to fine.
11	965.8	965.4	77.4	74.6	77	72	0.6	0.6	7.6	6.2	92	91	225	4	225	2	10	2	19	1.1	●▲* (sleet).
12	987.8	989.1	78.4	76.2	80	74	1.1	0.5	7.6	7.1	86	92	270	3	225	2	10	9	0	6.4	Dull and showery.
13	999.0	1004.4	75.2	74.1	76	74	0.5	0.6	6.5	6.0	92	89	225	3	45	4	10	9	0	5.6	* (sleet) showers.
14	1019.3	1020.0	74.8	74.7	77	74	1.2	0.6	5.6	6.2	80	89	180	2	225	4	2	10	0	6.6	Fine and sunny. * n.
15	1013.9	1017.9	82.4	81.3	82	74	2.2	1.2	8.7	9.1	73	85	225	5	225	5	8	10	0	5.6	Dull. Passing * showers.
16	1015.9	1011.5	82.4	82.4	83	81	1.6	0.4	9.5	11.0	80	94	225	5	225	5	10	10	0	0.5	* after 11 h. * p. and n. q.
17	1009.1	1014.2	82.1	81.3	84	80	0.2	2.8	11.2	7.2	98	67	225	3	225	3	10	10	0	94.2	* till 15 h., then fair.
18	1006.4	1005.4	80.8	77.4	81	77	0.6	0.9	9.7	7.3	93	87	225	4	225	3	10	4	15	7.7	Dull, with * showers.
19	1005.4	1010.1	74.7	74.7	78	74	0.6	0.7	6.2	6.1	89	87	225	2	225	2	10	4	8.4	8.4	*▲* and * (sleet).
20	1011.5	1011.2	76.3	78.0	80	74	0.5	1.6	7.1	6.8	92	78	225	3	225	2	10	4	4.6	6.4	Sunny, with passing * showers.
21	1010.8	1020.0	77.2	75.6	81	75	1.7	1.4	6.2	5.7	76	78	315	4	270	2	10	0	3.6	3.6	Showery. Snow on hills.
22	1011.5	1008.1	79.7	77.4	81	74	0.7	0.6	8.8	7.6	90	92	225	4	—	0	10	10	9.4	9.4	Dull, with * showers.
23	1010.1	1002.4	77.9	79.7	81	75	2.2	1.7	6.1	7.5	71	77	225	4	225	4	5	7	9.4	9.4	q. * showers.
24	996.3	997.6	79.1	76.7	80	75	2.2	1.8	6.6	6.0	71	75	180	2	225	4	10	6	14.2	14.2	q. *▲*.
25	1006.4	996.9	78.7	79.7	81	75	2.4	1.1	6.4	8.2	71	84	225	6	225	6	10	10	41.9	41.9	q. * after 15 h.
26	988.1	997.6	79.1	76.3	82	74	1.1	1.1	7.9	6.4	84	83	225	6	225	3	10	6	6.6	6.6	q. * and *.
27	991.2	975.9	78.4	78.6	80	76	2.6	2.6	6.0	6.1	67	68	180	2	225	6	10	10	18.3	18.3	Dull, with * showers.
28	990.5	992.9	75.8	76.7	79	73	1.3	2.6	6.0	5.1	81	64	225	4	225	2	9	5	5.3	5.3	* showers. Fine p.
29	998.3	990.5	75.3	75.8	78	73	0.8	1.1	6.3	6.2	88	83	225	1	135	2	9	3	5.8	5.8	● and * (sleet) showers.
30	995.2	1007.1	75.9	74.1	77	74	1.3	0.6	6.0	6.0	80	89	315	3	225	2	8	5	12.7	12.7	● and * (sleet) showers.
31	995.2	988.1	78.1	78.1	80	73	0.6	0.7	8.0	7.9	93	91	225	3	225	6	10	10	22.6	22.6	q. * 13 h. 25 m. ▲
Mean	1002.6	1002.0	76.9	76.7	79.2	74.0	1.2	1.2	6.7	6.6	81	82	2.8	3.0	8.4	7.3	402.7				
Mean Pressure at Station Level.	1001.2	1000.6																			

## DOUGLAS, ISLE OF MAN, a.—JANUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=84.5 m.; Barometer, H<sub>b</sub>=86.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1000.7	1009.1	74.7	74.4	76	74	2.6	1.4	4.1	5.1	60	75	360	3	315	1	6	—	early and p. c. to bright.	
2	1009.8	1001.3	76.3	78.0	79	74	0.8	2.2	6.8	6.1	87	70	247	2	135	6	8	—	early. c. to o. q. after 20 h.	
3	994.9	1002.7	76.9	76.9	79	76	0.8	0.8	7.1	7.1	88	88	135	6	113	4	10	—	early. q. o. p.	
4	1018.3	1032.5	76.3	76.1	77	76	1.1	0.8	6.4	6.8	83	87	67	2	45	2	10	—	o. clear n.	
5	1037.6	1036.2	75.8	75.8	80	74	1.1	1.6	6.1	5.8	83	77	23	1	113	3	0	—	a. and p. Fine.	
6	1028.1	1020.0	74.4	77.3	77	74	0.6	0.7	6.1	7.4	90	90	315	1	247	1	10	—	a. Dull and o.	
7	1010.5	994.9	79.1	81.9	82	77	0.0	0.0	9.5	11.5	100	203	3	203	6	10	—	a. c.		
8	988.5	993.2	79.1	76.9	83	77	1.7	1.1	7.4	6.8	78	84	270	10	270	5	4	—	early. q. Fine to c.	
9	1002.7	999.3	76.3	76.9	78	75	1.7	0.4	5.8	7.4	75	94	293	4	247	4	0	—	o., with * showers, then c. to o.	
10	980.7	984.4	77.4	76.9	82	76	0.0	0.6	8.5	7.4	100	92	45	2	315	2	10	—		
11	971.9	972.6	79.7	79.7	81	77	0.7	1.3	8.8	8.1	90	82	247	6	270	10	10	—	c. q., with * showers.	
12	996.9	989.1	79.1	83.4	84	77	1.2	1.5	7.8	10.2	83	82	247	6	247	10	10	—	showers. o. q. after 18 h.	
13	1005.7	1003.0	79.7	78.0	84	76	0.7	1.1	8.8	7.4	90	84	225	4	247	5	10	—	showers a. o. q.	
14	1025.0	1025.7	77.2	76.9	80	75	2.3	0.3	5.8	7.8	68	96	247	2	180	6	0	—	early. Fine to o.	
15	1022.3	1027.1	81.3	80.2	83	76	0.6	0.0	10.2	10.2	93	100	270	6	225	4	3	—	early. q. Fine to o.	
16	1025.7	1021.7	82.4	81.6	84	80	0.6	0.3	10.8	10.8	93	96	247	2	225	3	10	—	* early. o.	
17	1018.9	1020.6	81.3	79.1	85	79	0.0	0.6	10.8	8.8	100	92	225	3	337	1	10	—	a. o., with * at times.	
18	1014.2	1008.4	81.9	78.3	82	77	0.0	0.3	11.5	8.5	100	96	225	3	315	2	10	—	a. o., with * till 18 h.	
19	1010.8	1015.2	76.1	76.9	79	76	0.7	1.1	6.8	6.8	90	84	315	3	270	5	6	—	early. Fine.	
20	1017.3	1016.6	78.8	79.8	81	77	0.0	0.7	9.1	8.8	100	90	270	1	247	4	10	—	8 h. to 10 h. Fine, but q. till 10 h.	
21	1017.9	1024.4	79.1	78.0	82	77	1.4	1.1	7.8	7.4	81	84	293	6	293	1	7	—	c. c. to fine. q. before 16 h.	
22	1018.9	1014.2	80.2	80.2	81	77	0.0	0.0	10.2	10.2	100	100	247	5	270	2	10	—	* 6 h. to 11 h. o. q.	
23	1015.9	1008.8	78.8	79.4	81	76	0.8	0.3	8.1	9.1	88	96	157	2	247	3	10	—	early. o., with * showers.	
24	999.6	1011.2	80.8	76.3	82	76	0.6	1.1	9.8	6.4	93	83	203	8	247	5	10	—	* a. q. o. till 11 h., then c.	
25	1015.6	1006.8	80.2	79.7	81	74	1.1	1.1	8.5	8.1	85	84	203	6	180	5	10	—	early. o. q.	
26	996.6	1002.7	77.7	76.3	82	76	0.3	1.1	8.1	6.4	96	83	270	3	225	2	10	—	5 h. * 8 h. to 11 h. o.	
27	995.6	995.6	79.1	79.7	81	75	1.7	2.8	7.4	6.4	78	65	157	8	225	10	10	—	a. o. T 15 h. o.	
28	998.6	997.6	77.7	78.3	81	76	1.9	3.1	6.1	5.4	73	62	225	6	23	1	2	—	early. Fine, but q.	
29	1002.4	990.8	75.8	75.8	79	74	0.9	0.0	6.4	7.4	85	100	270	2	157	10	3	—	early. c. to o.	
30	1001.3	1010.8	76.9	76.9	81	75	1.1	1.1	6.8	6.8	84	84	293	6	270	1	4	—	a. Fine, but q.	
31	1002.4	1006.8	81.1	77.7	81	76	0.0	0.0	1.9	10.8	6.1	100	73	270	3	270	10	10	—	* a. o. to c.
Mean	1007.9	1007.8	78.4	78.2	80.9	76.0	0.9	1.0	8.0	7.6	88	86	4.0	4.3	7.5	6.7	118.5	1.77	73.9	
Mean Pressure at Station Level.	997.4	997.2																		

$x$  denotes the maximum and  $n$  the minimum value in the column.

Temperatures of ex. below 41.

x denotes the maximum and n the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.



## ARMAGH, a.c.d.—JANUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 62.2 m.; Barometer, H<sub>b</sub> = 63.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Cups of Anemometer, h<sub>a</sub> = 15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.						
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.										
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.												
	millibar.		a.	a.	a.	a.			millibar.	%	%	°	m/s.	m/s.	Tenths of Sky covered.	mm.	hr.	a.							
1	1002.4	1010.8	71.7	72.8	75	71	0.4	1.0	4.8	4.6	87	77	20	3	250	3	5	0	0.8	2.2	67	Fine and frosty.			
2	1010.1	994.6	73.7	77.3	78	72	1.1	0.7	5.1	7.4	80	90	220	3	160	8	6	10	13.5	0.1	76	~. o.			
3	990.2	1001.3	78.2	77.8	81	77	0.4	0.4	8.3	8.1	95	94	160	5	85	3	9	10	0.5	2.3	67	• n. Dull.			
4	1019.3	1033.2	75.7	72.8	78	72	0.6	0.1	6.7	6.0	92	98	—	1	1	9	0	0	—	0.9	74	c. ≡ p. Brilliant n.			
5	1039.9	1034.9	70.0	74.6	76	70	0.0	1.1	4.9	5.5	100	81	—	1	160	2	1	1	4	0.1	3.7	68	c. ≡ p. Fine.		
6	1026.7	1017.6	73.1	75.7	76	72	0.2	0.1	6.0	7.3	96	99	210	3	220	5	10	10	0.5	—	76	Dull and cold. Drizzle p.			
7	1006.8	988.8	79.6	83.6	84	76	0.0	0.6	9.7	11.8	100	93	210	4	220	10	10	10	1.5	—	75	Dull and g. [shower 16 h.			
8	990.8	995.2	78.2	73.7	84	74	1.1	0.1	7.5	6.4	86	99	290	7	230	4	9	10	*	3.1	0.1	76	Dull.		
9	1003.0	990.9	73.6	75.2	76	73	0.2	0.2	6.2	7.0	96	97	230	4	210	6	1	10	*	7.9	2.5	71	• n. Dull. * (sleet).		
10	978.3	986.8	80.1	76.0	82	75	0.0	0.4	10.0	7.1	100	94	—	1	310	3	10	≡	2	9	8.4	—	74	* a. o., with •. Dull n.	
11	970.9	972.6	77.5	78.4	80	76	0.3	0.6	8.1	8.2	96	92	230	4	260	6	5	10	*	5.6	2.3	75	Fine. • q. n.		
12	996.3	987.1	77.7	82.8	84	76	0.9	0.6	7.3	7.7	86	92	235	5	230	7	8	10	*	7.1	—	76	c. • 2 afternoon.		
13	1004.7	1003.0	78.4	77.1	84	76	0.9	0.6	7.8	7.4	88	92	230	6	230	6	2	10	▲	3.6	2.5	76	Fine, then • q. Violent		
14	1025.0	1018.9	73.4	77.8	78	72	1.1	0.4	4.9	8.0	78	93	240	3	195	8	0	8	0	2.0	0.5	67	c. • afternoon. * (sleet).		
15	1021.7	1024.4	81.5	81.7	84	78	0.5	0.6	10.3	10.4	94	93	220	7	190	3	2	10	*	0.3	0.9	77	Clear to o. Mild.		
16	1021.7	1018.3	84.0	83.9	85	80	0.2	0.9	12.7	11.5	97	88	210	8	220	10	10	0	8	0.3	—	80	Drizzling • a. o.		
17	1014.5	1020.0	84.3	79.0	87	79	0.2	0.5	13.0	8.7	97	93	210	7	230	2	10	1	1	1.5	—	84	o. and g. Clear n.		
18	1011.5	1010.1	84.2	77.4	85	77	0.4	0.4	12.6	7.8	96	95	220	7	230	1	10	0	10	10.7	—	75	• showers a., then •.		
19	1011.8	1017.3	74.1	75.7	78	74	0.1	0.4	6.4	7.0	98	94	235	3	240	3	3	5	10	1.5	4.7	73	* showers. a. [sleet].		
20	1017.9	1012.8	80.6	79.9	82	75	0.7	0.1	9.5	9.8	92	99	240	3	220	3	7	10	*	2.0	3.3	74	Drizzling • early. Fine. •.		
21	1020.3	1023.7	78.4	78.5	83	76	1.4	0.6	7.3	8.2	81	92	290	5	230	2	4	10	*	0.3	3.5	75	q. • a. Fine and mild.		
22	1014.9	1014.2	80.7	77.2	83	77	0.5	0.3	9.8	7.8	94	95	200	6	220	3	6	5	0	5.3	0.5	73	c. and mild. • 16 h.-17 h.		
23	1010.8	1006.1	77.2	79.2	81	75	0.7	0.8	7.3	8.3	89	88	190	7	220	4	8	10	*	4.6	—	73	Cold. • afternoon. Dull.		
24	996.3	1008.4	77.7	74.2	80	74	0.3	0.3	8.1	6.3	96	94	170	3	220	8	8	0	0	0.5	3.6	77	• showers a. Fine.		
25	1010.1	997.6	77.4	80.9	81	72	0.7	1.5	7.4	8.6	90	81	190	7	190	10	3	10	*	5.6	0.5	72	Violent wind all day.		
26	995.2	1001.0	76.4	74.7	82	75	0.3	0.7	7.4	6.1	95	88	230	3	210	6	6	2	2	2.8	5.1	76	• n. Clear and cold.		
27	980.3	984.4	77.7	76.0	81	75	0.5	0.9	7.9	6.4	93	86	160	11	205	11	10	2	2	3.8	—	73	Violent • and • squalls.		
28	995.2	997.3	74.9	74.9	78	74	0.8	1.0	6.1	5.9	87	84	200	7	200	4	0	4	—	2.7	70	Fine. 18 h.-20 h.			
29	1010.7	980.0	73.9	78.9	79	73	0.3	0.6	6.2	8.5	93	91	230	3	160	10	9	8	—	8.6	2.9	70	Fine. * 18 h.-19 h. then •.		
30	1004.0	1008.1	75.0	76.8	80	75	0.5	1.1	6.5	6.7	92	85	250	3	200	4	0	10	—	1.3	5.8	72	Fine and cold.		
31	1001.3	1005.4	79.7	77.1	82	76	0.7	1.1	8.8	6.9	89	84	220	6	230	9	10	5	0	0.8	3.9	76	• squalls a. Fine afternoon.		
Mean	1006.3	1005.5	77.4	77.5	80.9	7.47	0.5	0.6	7.9	7.6	92	91	4.7	5.3	6.2	7.1	10.4	5	1.77	73.5					
Mean Pressure at Station Level.	998.5	997.7																							

## DUBLIN (PHOENIX PARK), a.c.—JANUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

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α denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
March 23rd, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 48.8 m.; Barometer, H<sub>b</sub> = 50.3 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 1.2 m. Cups of Anemometer, h<sub>a</sub> = 4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.	Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.						
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percent-age.		Veer from North and Force or Speed.												
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.							
millibar.		a.	a.	a.	a.			millibar.		%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.						
1	1001.3	1001.7	78.9	81.7	82	7.7	1.9	1.0	6.9	9.7	75	88	280	14	220	12	9	10	21.1	1.1	200+	6 h. • all day.		
2	1004.7	1007.1	80.1	78.9	82	7.9	0.9	0.2	8.7	8.9	87	97	260	17	180	3	10	10	11.6	1.1	200+	≡ and d. all day.		
3	1004.4	1010.1	78.9	76.1	82	7.6	0.1	1.1	9.1	6.4	98	84	140	6	240	12	10	10	10.3	1	5.8	1.6	10 h. ≡ and d. a. Fine later.	
4	1018.9	1029.4	77.8	76.2	79	7.5	1.9	0.7	6.4	6.9	97	90	270	14	250	7	2	1	1.0	4	1.0	4.0	7 h. Fine.	
5	1032.5	1028.4	77.2	76.5	79	7.6	0.6	0.9	7.5	6.8	92	87	200	7	180	11	7	3	—	—	1.3	—	c. all day, but fair.	
6	1024.0	1018.9	77.3	78.4	79	7.6	0.2	0.7	8.0	8.1	96	90	170	13	170	16	9	8	—	—	—	—	o. all day. ≡ <sup>o</sup> n.	
7	1018.6	1013.9	78.4	78.9	82	7.7	0.6	1.1	8.2	7.9	92	86	170	11	190	12	10	10	10.3	4	3.0	—	≡ <sup>o</sup> all day.	
8	1012.8	1016.2	76.8	76.1	80	7.6	1.1	0.3	8.7	7.3	85	96	230	8	280	9	2	5	—	—	5.1	—	• early. Very fine later.	
9	1003.0	992.2	77.3	80.5	82	7.5	0.1	0.6	8.1	9.6	98	93	130	16	230	8	10	10	—	—	—	—	• showers all day.	
10	984.4	980.3	77.9	74.7	80	7.5	1.3	1.3	7.1	5.4	83	78	260	9	260	19	10	10	9	—	—	3.4	—	21 h.
11	974.2	1000.3	75.3	74.4	79	7.3	0.5	1.1	6.6	5.4	92	80	280	14	320	14	7	6	—	—	2.9	—	2 h.-6 h., 14 h., 15 h., 17 h.	
12	1013.5	1000.3	74.8	77.1	77	7.3	1.0	0.7	5.8	7.3	83	91	320	4	160	16	6	10	—	—	4.9	—	• showers. [X]	
13	984.7	990.5	79.4	75.7	81	7.7	1.0	0.6	8.3	6.7	86	92	210	7	300	16	9	10	—	—	1.8	—	• (sleet) showers.	
14	1011.2	1017.6	72.2	71.8	76.6	71.1	0.6	0.1	4.9	5.4	85	97	330	11	90	3	8	0	—	—	1.6	—	* at first, then •.	
15	998.6	980.5	77.3	77.8	79	7.2	0.1	0.8	8.1	7.5	88	88	150	17	210	9	1	3	—	—	0.1	—	* 5 h. Dull. [W]	
16	990.5	1002.4	78.5	79.0	81	7.6	1.3	0.7	7.4	8.3	83	90	210	11	190	8	1	10	—	—	—	—	• Very fine.	
17	1006.4	1008.8	78.8	79.4	81	7.8	0.4	0.3	8.7	9.1	94	96	170	8	190	5	10	10	—	—	4.8	—	Fair a. Showery p.	
18	1013.9	1018.9	76.9	74.7	80	7.5	0.4	0.3	7.6	6.6	94	95	30	9	40	10	8	2	—	—	0.3	—	• showers all day.	
19	1018.9	1024.7	77.2	74.4	79	7.3	0.9	0.8	7.1	5.8	87	85	30	9	40	10	8	2	—	—	0.3	—	Sunny day.	
20	1024.7	1025.7	74.8	74.1	77	7.4	0.7	0.6	6.1	6.0	88	89	30	12	360	3	3	1	—	—	0.2	—	* early. Fine.	
21	1023.3	1023.0	77.4	79.7	80	7.3	0.3	0.8	7.9	8.7	95	88	280	5	270	11	1	10	—	—	1.1	—	Fine. • showers evening.	
22	1019.3	1022.3	80.6	80.1	82	7.9	1.0	0.6	9.0	9.2	87	93	260	14	260	14	10	1	—	—	—	—	• showers early. Fair later.	
23	1023.7	1025.7	80.6	79.6	81	8.0	0.7	0.2	9.4	9.3	91	97	250	11	250	3	10	10	—	—	0.3	—	o. all day. [W] 23 h.	
24	1020.3	1015.2	78.9	78.4	80	7.9	0.4	0.6	8.7	8.1	93	92	160	4	260	4	9	10	—	—	—	—	• 9 h. o. all day.	
25	1013.2	1008.8	77.4	77.2	79	7.6	0.7	0.6	7.4	7.5	90	92	230	5	210	3	10	10	—	—	1.1	—	* 6 h., then • showers.	
26	1006.4	1002.0	76.1	75.6	79	7.5	0.7	1.1	6.9	6.1	90	83	260	8	270	9	4	9	—	—	5.3	—	* early. [W]	
27	1012.8	1022.3	76.1	75.1	78	7.3	1.7	1.2	5.8	5.8	76	81	320	13	300	2	3	0	—	—	5.7	—	* 5 h.-6 h. •. [W]	
28	1011.8	1000.0	80.3	81.9	84	7.5	0.4	1.1	9.6	9.7	94	86	260	9	240	9	10	10	—	—	12.1	—	• all day. <sup>o</sup> evening. [W] 24 h.	
29	1007.4	1003.4	80.4	81.9	84	7.9	1.8	1.4	9.9	9.3	77	82	260	17	260	15	10	9	—	—	0.1	—	* 1 h.-4 h., 6 h., 9 h. Dull. [U]	
Mean	1009.6	1010.3	77.7	77.4	80.1	75.6	0.8	0.7	7.6	7.5	88	89	10.5	9.3	7.2	6.6	11.4	1.78	—	—	—	—	—	
Mean Pressure at Station Level	1003.3	1004.0																						



FORT WILLIAM, INVERNESS-SHIRE, a.c.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_b = 11.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^{\circ} 49' N$ . Long.  $5^{\circ} 7' W$ . Time, Greenwich mean time.

Rain gauge, in. = 0.30 in. Lat. 36 49 N. Long. 5 7' W. Time, Greenwich mean time.																				
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.	9 h.	21 h.				
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								
millibar.		a.	a.	a.	a.	millibar.		%	%	0-12		0-12		Tenths of Sky covered.		mm.	hr.	a.		
1	1011.8	1011.8	200+	200+	200+	20+	0.8	0.7	7.8	10.0	88	92	225	4	225	5	10	10	51.8	
2	1010.8	1011.2	80.9	82.5	83	80	0.1	0.2	10.5	11.5	99	98	225	5	225	5	10	10	71.9	•≡≡: all day.
3	1009.5	1015.9	81.8	77.4	83	77	0.4	1.7	10.6	6.4	94	76	225	5	225	3	10	10	9.7	•≡≡: all day.
4	1026.4	1033.2	76.3	77.4	80	75	1.1	1.0	6.5	7.1	84	86	225	4	225	2	10	5	1.3	•≡≡ till 13 h. Fair later.
5	1034.2	1029.1	75.8	76.9	80	74	1.6	3.3	5.7	4.6	77	75	225	2	135	2	5	0	0.2	Alternate sun and shower.
6	1022.3	1019.6	80.2	81.9	82	74	2.2	2.2	7.2	8.2	72	73	225	4	225	5	10	10	—	Fine and sunny.
7	1019.6	1014.9	81.2	80.2	82	74	2.7	0.7	7.3	9.1	68	91	225	5	225	4	10	10	17.8	Dull, but fair. ∞
8	1016.6	1022.3	77.4	76.3	81	75	1.1	1.1	7.0	6.5	84	84	225	6	225	3	10	5	21.3	Fair to fine. ∞ after 20 h.
9	1008.1	1001.0	80.8	81.7	83	75	0.6	0.4	9.7	10.6	93	95	225	6	225	5	10	10	31.3	•×° (sleet) showers.
10	992.5	994.2	80.8	78.0	84	77	1.8	1.8	8.1	6.5	78	76	225	3	247	7	10	4	9.1	•≡ and q. all day.
11	990.2	1007.8	76.4	77.4	80	75	1.7	2.2	5.9	5.9	76	69	270	5	270	2	10	2	12.4	q., with •×° (sleet). ▲ showers
12	1016.6	999.6	75.3	80.3	81	75	0.7	0.7	6.4	9.2	89	91	225	2	225	3	10	10	48.3	Fair at first. ∞ after 13 h.
13	991.2	1000.7	80.1	77.4	81	77	0.4	2.1	9.4	6.0	94	71	225	4	270	3	10	2	4.1	• showers all day.
14	1013.5	1010.1	72.7	76.3	77	72	0.9	2.3	4.7	5.3	79	67	90	2	135	7	1	10	4.6	Generally fine. ✱ showers 21 h.
15	996.3	992.2	80.2	78.0	81	75	1.7	1.2	7.9	7.1	78	83	225	4	225	4	10	6	22.1	Unsettled. ▲
16	999.6	1003.7	80.8	80.8	81	78	0.6	2.2	9.7	7.6	93	73	225	4	225	4	10	10	9.7	Dull and showery.
17	1005.7	1009.1	81.1	82.3	83	80	0.4	1.6	10.1	9.4	95	80	—	0	—	0	10	10	6.9	Dull and showery.
18	1012.2	1016.9	80.8	75.1	83	75	0.1	0.9	10.4	6.1	99	86	225	1	45	4	10	10	24.6	"Muggy." •≡
19	1019.3	1022.3	72.4	74.1	76	72	1.3	1.7	4.1	4.7	69	71	45	3	45	3	0	0	0.2	✱ early. ☒. Fine and sunny.
20	1024.0	1026.7	74.7	73.5	77	73	1.7	1.6	5.0	4.5	72	71	45	3	45	2	10	0	—	☒. Fine and sunny.
21	1029.4	1030.1	74.1	78.1	79	70	1.2	0.7	5.2	7.8	78	90	225	2	225	2	10	10	—	Fine and sunny.
22	1028.4	1029.4	81.2	81.4	82	78	1.5	2.3	8.7	7.9	81	72	225	3	225	3	10	10	—	Dull, but fair. ∞
23	1029.1	1027.4	80.8	79.7	82	80	1.2	0.6	8.8	9.0	85	92	225	3	225	2	10	10	0.7	Fair to fine generally.
24	1021.0	1016.6	78.6	77.4	80	76	0.9	1.2	7.8	6.9	87	82	225	2	—	0	9	10	—	Fair to fine.
25	1015.6	1012.5	73.9	78.6	79	72	0.6	0.9	5.3	7.9	87	88	—	0	225	3	10	10	7.1	≡∞, with • after 15 h.
26	1012.5	1010.1	75.8	77.4	80	75	0.6	1.7	6.7	6.4	90	76	45	2	225	3	10	10	11.7	Alternate sun and shower. ✱
27	1014.9	1023.7	76.9	73.6	80	73	2.8	1.2	5.0	4.9	63	77	45	3	—	0	5	0	3.8	Fine, clear, and sunny.
28	1017.9	1009.5	78.6	82.4	83	73	0.6	0.2	8.3	11.5	92	98	225	4	225	5	10	10	30.0	"Muggy," with •≡. ☒
29	1014.5	1011.8	80.8	81.9	84	80	0.6	0.1	9.7	11.2	92	98	225	4	225	3	10	10	34.8	•≡. ☒.
Mean	1013.9	1014.3	78.2	78.6	81.0	75.6	1.1	1.3	7.6	7.6	84	81	—	3.3	3.2	9.0	7.4	48.5	4	
Mean Pressure at Station Level.	1012.4	1012.8																		

## DOUGLAS, ISLE OF MAN, a.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

Lat. 54° 0' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.																							
1	1023'3	1024'0	80'4	80'8	82	77	0'2	0'6	10'2	9'8	98	93	247	5	225	4	10	10	—	—	75	o. q., with occasional $\bullet^o$ .	
2	1023'0	1022'3	81'1	81'1	82	$\times 80$	0'3	0'3	10'2	10'2	96	96	225	7	225	5	10	10	—	—	79	o. q.	
3	1024'4	1023'3	81'3	79'4	82	79	0'3	0'8	10'5	8'5	97	88	203	4	247	3	10	10	—	2'0	80	o. q. $\bullet^o$ 2 h.-8 h.	
4	1031'5	1037'2	77'4	74'7	80	75	1'5	0'6	6'4	6'1	78	90	270	2	315	1	0	0	—	—	72	— early. Very fine.	
5	1036'9	1031'5	78'0	78'0	80	$n 74$	1'5	1'1	6'8	7'4	79	84	135	2	135	4	6	10	—	—	72	— early. Fine. q. after 18	
6	1026'7	1026'4	79'1	80'2	81	78	0'6	1'1	8'8	8'5	92	85	157	4	157	4	10	10	—	—	72	$n 69$ — early. Fine. q. after 18	
7	1025'7	1024'4	79'7	79'9	81	79	1'1	1'4	8'1	8'1	84	81	157	2	180	5	8	10	—	—	75	o. q.	
8	1025'0	1028'8	78'3	77'4	81	77	0'6	0'8	8'1	7'4	92	89	247	2	270	3	2	10	—	4'3	0'5	75	c. to o. q.
9	1022'0	1013'2	79'7	81'3	82	77	0'4	0'0	9'1	10'8	94	100	203	6	247	8	10	10	—	3'8	5'4	76	$\bullet$ showers a. Fine.
10	1002'0	1003'4	83'0	78'7	84	79	0'6	1'3	11'2	7'4	93	83	247	8	247	6	10	10	—	—	5'6	75	o. q. $\bullet$ showers p.
																	2	—	—	3'8	0'2	79	$\bullet$ a. Mostly o. till 16 h.
11	1002'0	1013'5	78'0	77'4	80	77	1'7	2'2	6'8	5'8	77	$n 69$	270	10	293	7	7	0	—	6'0	76	$\bullet$ a. Fine.	
12	1021'3	1011'8	79'1	80'2	81	76	1'1	0'0	7'8	10'2	84	100	247	2	203	6	8	10	—	6'1	73	— early. o. $\bullet$ 15 h.	
13	1000'3	1005'4	80'8	79'7	82	79	0'6	1'7	9'8	7'4	93	77	247	4	247	4	10	3	—	1'0	1'9	78	o. q. Bright intervals after 14
14	1013'9	1013'2	79'9	79'1	81	78	0'8	0'0	8'5	9'5	88	100	315	2	113	3	7	10	$\equiv$	$\times 9'4$	1'8	76	Fair too. $\bullet$ after 14 h. $\bullet$ after 14 h.
15	1002'0	1001'3	80'0	77'4	81	77	0'3	0'7	9'8	7'4	95	90	180	6	247	3	10	0	—	5'6	77	o. $\bullet$ 15 h.	
16	1007'1	1007'8	79'7	80'2	81	77	0'6	0'4	9'1	9'5	92	94	203	3	157	2	7	10	—	0'5	4'5	76	Fair to o. $\bullet$ after 20 h.
17	1008'4	1011'2	80'2	81'3	82	$\times 80$	0'2	1'1	9'8	9'5	97	86	135	2	—	0	7	10	—	2'0	77	o. to c. $\bullet$ p.	
18	1014'9	1014'5	80'8	80'7	$\times 85$	79	0'8	0'4	9'5	9'8	90	94	90	1	235	1	4	7	—	1'0	7'0	76	$\bullet$ a. Fine to c.
19	$\times 1014$	1016'2	76'6	75'5	81	75	0'3	7'4	7'1	96	95	23	6	45	5	10	10	—	5'1	75	o. q.		
20	1019'6	1023'0	75'8	75'2	$n 78$	75	1'5	0'6	5'8	6'4	77	91	360	3	23	3	7	0	—	—	5'7	72	— early. c. to fine. $\bullet$ p.
21	1029'8	1032'5	76'1	78'3	80	$n 74$	1'6	0'3	5'8	8'5	77	96	360	2	315	2	0	0	—	—	8'6	70	— a. Very fine. c. 18 h. $\bullet$ p.
22	1034'2	1033'8	81'3	79'7	82	76	1'7	0'7	8'5	8'8	79	90	270	2	293	1	8	8	—	—	1'8	73	$\bullet$ early. Dull and c.
23	1032'5	1028'1	79'7	78'6	81	79	1'1	0'6	8'1	8'5	84	92	293	1	67	1	10	8	—	—	—	77	Dull and o.
24	1021'3	1017'9	77'2	77'4	79	76	0'6	0'6	7'4	7'8	92	92	113	2	293	1	10	10	—	—	—	73	— early. o. and mild.
25	1017'6	1015'9	78'3	77'7	80	77	0'4	0'5	8'5	7'8	94	93	315	1	315	1	10	10	—	1'5	—	75	o. and mild. $\bullet$ 16 h. $\bullet$ p.
26	1017'6	1019'3	78'6	78'7	81	76	1'4	0'8	7'4	8'1	82	89	293	3	247	4	0	8	—	0'8	7'1	72	— early. $\bullet$ 7 h. Fine. $\sim 16$ h.
27	1017'3	1026'4	78'8	75'2	81	$n 74$	0'8	1'5	8'1	5'4	88	76	337	4	293	1	8	4	—	0'3	—	76	o. $\bullet$ 11 h. $\bullet$ p.
28	1024'4	1021'0	79'7	80'8	81	75	0'0	0'0	9'8	10'5	100	100	225	2	247	2	10	10	—	1'5	—	70	— early. $\equiv$ at times.
29	1021'7	1918'9	80'8	80'2	83	$\times 80$	0'0	0'0	10'5	10'2	100	100	225	2	225	3	10	10	—	3'1	—	79	o., with $\equiv$ at times.
Mean	1019'3	1019'5	79'7	78'8	81'2	77'0	0'8	0'7	8'6	8'3	89	90		3'4	3'2	7'7	6'6	55'4	2'34	75'0			
Mean Pressure at Station Level.	1008'6	1008'8																					
x denotes the maximum and n the minimum value in the column. Temperatures at or below the normal freezing-point of water are printed in small type.																							

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

BIRMINGHAM (EDGBASTON) a.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28' N$ . Long.  $1^\circ 54' W$ . Time, Local mean time, 7 m. after Greenwich.

Rain-gauge, n. 0.5 m. Lat. 52 28 N. Long. 1 54 W. Time, Local mean time, 7 m. after Greenwich.																						
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	Dry Bulb.	Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		Tenths of Sky covered.								
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					9 h.	21 h.	
millibar.		a.	a.	a.	a.	millibar.						%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
1	1026.7	1029.9	78.0	80.9	83	76	1.9	2.3	6.4	7.5	74	72	270	7	225	5	0	8	—	6.1	74	
2	1030.3	1030.5	80.0	80.8	81	80	1.7	1.0	8.3	9.1	78	87	225	5	203	5	10	10=0	—	—	79	
3	1028.8	1026.6	80.0	81.3	84	80	0.8	0.6	8.9	10.1	90	93	203	5	203	4	10=0	10=0	2.5	0.5	79	
4	1033.9	1038.5	77.9	75.3	81	75	1.3	1.4	7.1	5.6	83	77	225	2	90	2	8=0	0=0	—	3.7	66	
5	1039.4	1035.4	73.9	75.8	n 77	72	0.8	0.9	5.5	6.3	84	85	113	2	135	4	7=2	8=0	—	—	n 65	
6	1032.3	1030.5	75.9	75.8	79	76	0.2	0.4	7.3	7.0	97	94	157	3	157	3	10=0	0=0	0.2	—	73	
7	1029.4	1028.7	75.9	77.6	80	74	0.3	0.7	7.1	7.5	94	90	180	4	203	4	10=0	10=0	—	—	72	
8	1029.0	1032.2	77.6	76.8	80	76	0.6	1.2	7.7	6.6	92	84	203	3	225	3	8=0	2=0	1.3	2.0	71	
9	1030.2	1020.7	77.9	81.4	82	75	0.7	1.2	7.8	9.2	91	85	225	3	247	6	8=0	8=0	0.4	—	74	
10	1009.6	1006.9	83.1	83.0	84	81	1.5	2.2	9.9	9.0	81	75	247	8	270	6	10=0	8	1.3	—	80	
[showers.]																						
11	1007.1	1014.0	79.1	77.4	83	77	2.7	2.8	6.2	5.3	67	n 64	293	7	293	7	3	2	—	—	3.4	75
12	1023.6	1018.4	77.3	78.9	82	75	1.7	1.3	6.4	7.6	77	83	247	3	203	5	3	10	0.6	1.8	72	
13	1007.8	1008.5	81.9	81.3	84	79	1.1	1.9	9.8	8.2	86	76	225	5	270	4	10	5	1.0	1.9	77	
14	1013.5	1017.7	80.2	80.3	83	79	0.5	1.2	9.3	8.5	93	83	247	3	157	3	9=0	10=0	1.6	77		
15	1010.3	1005.3	80.4	78.4	81	78	1.3	1.0	8.5	7.6	83	87	180	4	270	4	7	10=0	2.2	0.6	77	
16	1011.8	1011.7	76.8	80.9	83	75	0.1	0.7	7.9	9.7	99	92	203	3	157	4	7=0	4=0	—	5.6	73	
17	1011.4	1013.2	80.3	81.8	87	79	0.9	1.9	8.8	8.6	87	87	157	3	157	4	5=0	0=0	—	7.1	76	
18	1016.9	1016.5	77.7	81.9	88	76	0.4	1.1	8.0	9.7	95	87	157	2	180	3	6=0	0=0	—	4.9	70	
19	1014.5	1013.6	80.7	77.0	85	77	1.0	0.4	9.1	7.5	88	93	203	3	67	5	7=0	10=0	18.2	0.7	75	
20	1015.3	1018.6	73.4	75.1	n 77	73	0.2	0.6	6.1	6.4	96	90	45	4	23	4	10=0	8=0	—	—	72	
* 5 h. ☒. Dull and o.																						
[then fine.]																						
21	1025.9	1031.7	74.7	74.5	n 77	74	1.9	1.4	4.8	5.2	69	76	23	5	337	3	7	0=0	—	3.9	70	
22	1035.0	1034.5	74.6	77.3	81	n 71	0.3	0.8	6.5	7.3	95	89	315	3	315	1	10=0	0=0	—	3.1	69	
23	1033.7	1028.5	73.4	77.4	81	73	0.3	1.1	6.0	7.1	94	85	—	0	113	2	10=0	0=0	—	3.3	67	
24	1022.3	1019.7	75.7	76.5	n 77	74	0.8	0.8	6.5	6.9	89	88	157	1	180	1	10=0	10=0	—	—	72	
25	1018.3	1015.9	76.4	80.2	81	75	0.2	0.6	7.4	9.3	96	93	180	1	180	2	10=0	10=0	0.6	—	72	
26	1018.4	1022.3	78.6	76.6	82	76	1.3	1.2	7.4	6.4	83	83	293	3	247	3	3=0	—	—	6.4	70	
27	1016.9	1027.2	79.6	76.2	82	76	1.1	1.4	8.2	6.1	85	79	247	5	337	2	10=0	0=0	0.4	—	75	
28	1028.6	1025.7	76.9	81.9	82	74	1.2	0.7	6.6	10.4	82	91	203	4	225	5	10=0	10=0	—	—	67	
29	1025.0	1022.9	81.7	80.6	89	80	0.8	0.4	10.0	9.8	90	95	203	3	203	4	8	—	—	6.2	79	
c. to fine.																						
Mean	1022.3	1022.3	77.9	78.7	82.0	76.1	0.9	1.1	7.6	7.8	87	85	3.6	3.7	7.9	5.6	28.7	2.24	73.0			
Mean Pressure at Station level.	1001.9	1001.8																				
FEBRUARY 1920																						

CAMBRIDGE, a.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 12.8$  m.; Barometer,  $H_b = 13.1$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

Rain-gauge, $r_r = 0.50$ m. Lat. $52^{\circ} 12' N.$ Long. $0^{\circ} 52' E.$ Time, Greenwich mean time.														
	8 h.	20 h.	8 h.	20 h.	20 h. to 20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.
1	1027.7	1031.9	77.2	80.9	83	76	1.9	2.1	6.1	7.8	10.7	75	270	4
2	1031.9	1031.9	81.4	81.1	84	280	1.8	0.6	8.5	9.8	7.8	93	247	5
3	1031.0	1028.8	80.1	80.2	85	280	1.0	0.7	8.8	9.1	86	91	225	3
4	1031.9	1038.4	78.7	77.3	82	71	0.2	0.0	8.8	5.4	98	100	—	0
5	1040.2	1037.1	67.7	75.3	80	168	0.0	0.6	4.1	6.8	100	91	—	0
6	1033.6	1031.8	77.0	77.6	82	70	0.1	0.7	8.1	7.4	98	90	135	3
7	1030.8	1030.8	71.9	76.3	81	72	0.0	0.6	5.8	7.1	100	91	157	3
8	1030.2	1033.0	74.4	76.3	82	72	0.8	0.1	5.8	7.4	84	98	225	5
9	1032.2	1022.7	75.3	81.6	82	74	0.1	1.4	7.1	9.1	98	82	203	2
10	1012.7	1006.0	83.0	83.3	85	79	1.3	0.5	10.2	11.5	84	93	225	7
11	1006.4	1012.7	78.3	78.0	84	78	1.7	1.5	6.8	6.8	78	79	225	4
12	1016.2	1022.3	77.8	79.2	82	75	0.7	1.2	7.8	7.8	90	83	225	2
13	1009.5	1007.6	80.2	81.2	86	79	0.9	0.6	8.8	8.8	87	92	225	4
14	1013.0	1019.0	79.7	78.0	84	78	0.7	0.0	8.8	8.8	90	100	225	2
15	1014.3	1007.7	79.7	81.2	83	76	0.1	1.9	9.5	8.1	98	76	180	4
16	1012.4	1014.1	73.7	81.4	84	73	0.0	0.7	6.4	10.2	100	92	180	1
17	1014.5	1014.5	78.4	78.7	88	78	0.4	0.4	8.5	8.5	94	94	225	1
18	1017.5	1017.9	73.0	79.1	80	72	0.0	0.3	6.1	9.1	100	96	180	1
19	1015.1	1013.3	76.6	79.1	87	72	0.0	0.2	7.8	9.1	100	98	—	0
20	1012.6	1014.8	76.9	76.1	80	74	0.0	0.2	8.1	7.4	100	98	45	3
21	1020.9	1028.0	75.8	75.4	79	75	1.1	0.7	6.1	6.4	83	89	360	3
22	1034.5	1033.6	74.9	74.1	84	73	1.4	0.0	5.4	6.8	77	100	360	3
23	1033.5	1033.2	72.0	74.8	82	71	0.0	0.0	5.8	7.1	100	100	—	0
24	1033.4	1021.0	74.9	72.1	79	72	0.0	0.0	7.1	5.8	100	100	135	1
25	1019.0	1016.1	71.9	77.6	81	71	0.2	0.9	5.4	8.5	97	100	135	1
26	1017.6	1022.1	75.3	76.3	84	75	0.8	0.0	8.1	5.8	89	100	270	5
27	1016.5	1027.2	78.6	71.9	82	72	0.0	1.5	5.8	8.8	100	82	225	1

$x$  denotes the maximum and  $n$  the minimum value in the column.



## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS.

## ARMAGH, a.c.d.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percent-age.	Veer from North and Force or Speed.		Tenths of Sky covered.										
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
	millibar.		a.	a.	a.	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +	200 +				
1	1020.0	1019.3	80.2	82.4	83	75	0.7	1.6	9.1	9.5	90	80	230	8	225	11	10.0	10	0.3	1.7	76	• squalls. Violent wind.	
2	1018.3	1017.3	83.6	84.9	86	81	0.6	1.0	11.9	12.2	93	88	210	9	220	9	10.0	10	0.5	0.4	81	Mostly o.	
3	1015.6	1023.3	83.7	78.5	85	79	0.7	1.3	11.7	7.4	92	84	215	10	230	4	10.0	10	4.3	—	82	Very wet day. Fine n.	
4	1031.8	1036.9	75.2	75.3	80	74	0.7	0.7	6.4	6.4	90	89	230	4	230	2	10.0	10	—	—	81	Very fine.	
5	1035.2	1026.7	76.1	78.9	80	74	1.4	0.7	6.0	8.3	79	89	210	3	155	8	10.0	10	—	—	77	Fine.	
6	1021.7	1020.6	79.9	80.6	81	79	1.0	1.0	8.6	9.0	87	87	160	8	180	8	10.0	10	—	—	78	o. and mild.	
7	1020.6	1017.6	80.1	82.3	82	80	1.2	1.2	8.5	9.9	85	85	170	5	190	7	10.0	10	—	—	79	c. Mild. q.	
8	1023.0	1028.1	77.3	75.7	83	76	1.1	0.6	7.0	6.8	84	92	220	6	230	4	10.0	10	—	—	75	Clear and cold.	
9	1017.3	1009.8	81.3	83.1	84	76	0.6	0.7	10.0	11.3	93	92	220	8	230	8	10.0	10	—	—	74	q., with drizzling •.	
10	999.6	1003.0	84.1	79.0	84	79	0.7	1.8	12.0	7.1	91	76	230	7	235	5	10.0	10	—	—	82	• a. g. q.	
11	1004.4	1016.2	77.3	76.8	80	77	1.2	1.7	6.9	6.0	82	76	270	5	285	3	10.0	10	—	—	76	q. • 7 h. Fine.	
12	1020.3	1004.7	77.2	82.0	82	76	0.7	0.6	7.3	10.4	89	92	220	4	210	9	10.0	10	—	—	75	o., with •.	
13	998.6	1007.1	80.8	79.2	82	79	0.6	1.1	9.7	8.0	93	85	230	5	240	3	10.0	10	—	—	80	• a. Mostly o.	
14	1013.2	1008.8	81.4	81.3	81	78	0.2	0.2	10.7	10.6	98	97	—	0	180	5	10.0	10	—	—	79	o. after noon.	
15	996.9	997.9	80.0	76.6	82	76	1.0	1.0	8.6	6.6	86	86	190	10	220	5	10.0	10	—	—	77	• till 13 h. Fine afternoon.	
16	1003.7	1003.4	76.4	81.1	83	76	0.7	0.8	6.9	9.7	88	90	200	5	170	8	10.0	10	—	—	75	c. and mild.	
17	1004.4	1009.1	81.4	81.7	84	81	0.6	0.4	10.2	10.6	93	95	160	7	160	4	10.0	10	—	—	80	Dull a. Fine afternoon.	
18	1013.9	1014.2	81.7	82.1	84	80	0.7	0.2	10.1	11.2	91	98	220	2	—	1	10.0	10	—	—	77	g. a. o.	
19	1015.6	1018.3	77.1	75.4	82	75	0.1	0.8	8.0	6.3	99	87	—	1	40	3	10.0	10	—	—	77	g. and cold.	
20	1022.0	1026.7	75.8	73.9	78	72	1.7	1.0	5.6	5.3	75	82	40	4	10	2	10.0	10	—	—	69	Fine, but cold. Clear n.	
21	1032.2	1033.8	74.3	75.5	83	77	0.9	0.3	5.6	6.9	84	95	10	2	—	1	10.0	10	—	—	74	Very fine. ∞ n	
22	1034.2	1033.8	77.8	79.9	82	75	0.6	1.0	7.9	8.6	92	87	240	3	—	1	10.0	10	—	—	73	Mostly o.	
23	1031.8	1027.1	79.3	78.4	81	79	1.2	1.3	7.9	7.4	83	83	—	1	—	1	10.0	10	—	—	78	o.	
24	1020.6	1017.6	78.8	76.7	80	77	0.8	0.4	4.9	7.4	81	94	—	0	—	1	10.0	10	—	—	68	• early. c. to o.	
25	1017.3	1015.9	73.9	75.2	82	73	0.2	0.7	6.4	6.4	96	88	—	1	—	1	10.0	10	—	—	68	• a. Fine.	
26	1018.6	1019.3	77.1	78.6	81	75	0.9	1.1	7.1	7.6	87	86	260	2	250	4	10.0	10	—	—	72	• shower 4 h. Fine. 19 h.	
27	1018.6	1025.4	79.6	76.9	82	76	0.3	1.1	9.2	6.8	96	85	300	2	—	1	10.0	10	—	—	78	Dull a. Fine afternoon.	
28	1022.0	1017.6	81.9	84.0	86	77	0.2	0.6	11.0	12.2	98	93	210	6	220	6	10.0	10	—	—	8	c. and mild.	
29	1017.9	1016.2	83.8	83.1	86	82	0.5	0.1	12.1	12.1	94	98	210	7	220	5	10.0	10	—	—	80	o., with •.	
Mean	1017.6	1017.8	79.0	79.3	82.6	76.4	0.8	0.9	8.6	8.6	89	88	4.7	4.5	7.0	7.0	62.8	2.41	75.6				
Mean Pressure at Station Level.	1009.8	1009.9																					

## DUBLIN (PHOENIX PARK), a.c.—FEBRUARY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

		Time, Local mean time, 25 m. after Greenwich.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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FORT WILLIAM, INVERNESS-SHIRE, a.c.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_b = 11.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^\circ 49' N$ . Long.  $5^\circ 7' W$ . Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		Tenths of Sky covered.						
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
	millibar.		a.	a.	a.	a.	millibar.		%	%	%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
1	1013.5	1011.2	79.6	78.7	82	78	1.8	0.3	7.3	8.8	76	96	225	3	225	1	8	1.8	200+	Dull, but fair. ☉ showers	
2	1020.0	1028.4	77.4	77.0	80	76	2.1	1.7	6.0	6.1	71	76	270	2	225	3	4	26.4		Occasional showers. Sunny [ter]	
3	1020.3	1018.9	80.8	83.0	83	76	0.6	0.6	9.7	11.3	93	93	225	5	225	4	100 <sup>2</sup>	10	44.5		☉=0 all day.
4	1016.2	1009.1	80.8	81.4	83	80	0.1	0.1	10.4	10.8	99	99	225	3	225	2	100 <sup>2</sup>	10	122.2		☉=0 all day.
5	1002.4	993.9	79.1	80.5	82	79	1.1	0.3	7.9	9.9	84	96	225	4	225	3	100 <sup>2</sup>	10	44.5		☉=0 all day.
6	984.1	986.8	78.6	75.7	82	74	0.7	1.6	8.1	5.6	91	76	225	3	225	3	10	10	16.0		Fair at first. ☉ afternoon
7	1000.3	1015.2	74.2	77.3	76	71	2.3	0.6	4.1	4.4	61	82	360	5	45	1	10	5	3.0		☉ showers. ☉ on hills.
8	1025.4	1028.8	73.0	74.1	80	76	0.6	1.1	5.3	5.3	87	80	45	1	225	1	4	6	4.8		☉ showers. ☉ [inter]
9	1025.4	1026.4	76.9	75.5	81	73	1.1	0.8	6.7	6.3	84	87	225	4	225	1	10	10	0.3		☉ 10 cm. ☉ showers. ☉
10	1015.9	1015.2	80.5	78.0	84	73	2.8	1.7	6.9	6.6	66	77	225	4	225	3	6	1	2.5		Dull, with ☉ showers.
																					Fine a. ☉ p.
11	1022.7	1013.2	74.1	78.1	81	73	0.6	2.8	6.0	5.5	89	64	—	0	225	3	0	1	—		Bright, clear, and sunny.
12	993.2	1001.0	77.2	75.2	79	75	2.6	0.9	5.4	6.1	66	85	180	4	270	4	10	10	10.4		Lowering. ☉ (sleet)
13	990.5	992.5	78.0	75.2	81	74	1.2	0.6	7.1	6.5	83	91	225	4	225	3	100 <sup>0</sup>	8	6.4		Dull and showery.
14	979.7	979.7	75.7	73.3	79	72	1.1	0.3	6.2	5.9	84	94	225	3	225	1	10	3	4.1		☉ (sleet). ☉
15	979.0	989.8	71.6	76.3	79	70	0.8	1.6	4.2	5.9	75	76	—	0	45	2	2	2	1.8		Clear and sunny.
16	1000.7	996.9	76.3	77.4	80	75	2.7	0.6	4.8	7.6	63	92	—	0	270	3	8	10	13.0		Fair to fine a. ☉ Shower p.
17	997.9	994.2	81.8	81.3	84	77	0.6	1.7	10.4	8.5	93	78	225	3	270	5	10	10	21.1		Fair at first. ☉ after 11. h. ☉
18	1006.8	1018.3	78.0	78.6	82	76	2.3	2.2	6.0	6.4	69	72	225	4	270	3	9	10	2.3		Sun and shower. ☉ on hills
19	1024.0	1025.7	79.7	80.8	82	77	1.4	0.4	7.9	9.9	81	94	225	2	225	3	10	10	3.8		Dull and showery.
20	1028.1	1028.4	80.9	81.2	84	80	0.2	1.0	10.3	9.3	98	87	225	3	225	3	10	10	0.3		Showery. Sunny intervals
21	1026.7	1025.0	80.8	79.7	81	79	1.2	1.7	8.9	7.5	85	77	225	3	225	2	10	8	—		Dull, but fair.
22	1024.7	1019.3	80.2	79.0	83	79	0.7	0.6	9.1	8.6	90	92	225	1	—	0	1000	300	—		Fine and sunny. ☉
23	1012.2	1007.4	80.2	81.3	84	76	1.1	0.6	8.6	10.1	85	93	225	4	225	3	1000	10	11.2		Dull. ☉. ☉ after 20 h.
24	1012.8	1002.7	79.1	80.3	83	76	0.9	2.3	8.2	7.2	87	71	225	1	—	0	10	10	1.8		Fine and sunny. ☉
25	1001.3	987.1	78.0	78.1	83	77	1.7	1.2	6.6	7.2	77	83	225	3	225	3	4	10	9.9		Showers early. Fine p. ☉
26	987.8	985.8	76.3	76.7	81	75	1.1	1.4	6.4	6.3	83	79	225	1	225	1	10	10	15.2		Showers to fine p. ☉ hills.
27	989.5	981.7	77.8	80.2	83	74	2.1	0.9	6.2	8.9	72	88	225	3	225	3	2	10	26.7		Fair at first. Showery p.
28	983.7	997.6	75.6	76.9	81	74	0.4	1.1	6.9	6.7	94	84	—	0	—	0	10	10	2.5		☉ showers. ☉ hills. ☉
29	1002.0	1006.8	77.4	79.2	83	75	1.2	1.6	7.0	7.4	83	79	—	0	360	3	10	—	—		Fine and sunny.
30	1006.4	1001.3	79.7	83.0	85	77	1.1	1.7	8.2	9.7	84	80	—	0	—	0	1000	10	3.8		Fine and generally sunny.
31	997.6	999.6	81.2	81.7	83	80	0.4	1.5	10.2	9.0	94	81	—	0	90	3	10	10	2.3		Dull. ☉ showers.
Mean	1006.2	1006.0	78.1	78.3	81.7	75.5	1.2	1.1	7.3	7.6	82	84	2.4	2.2	8.2	8.2			250.1		
Mean Pressure at Station Level.	1004.7	1004.5																			

## DOUGLAS, ISLE OF MAN, a.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

Mean time, 20 m. after Greenwich.																				Mean time, 20 m. after Greenwich.																				Mean time, 20 m. after Greenwich.																			
1	1015.9	1010.5	79.7	79.1	81	79	0.0	0.0	9.8	9.5	100	225	3	203	2	10	10	9.7	79	Continuous °. ≡ at times																																							
2	1022.3	1035.2	79.1	74.9	81	75	1.5	0.3	7.4	6.8	80	95	315	4	315	1	8	76	° early. c. q. ≡ 11 h. 30																																								
3	1032.2	1027.1	79.1	81.3	81	75	1.7	0.8	7.4	9.8	78	90	247	6	247	6	8	70	α. c. q. [Bright after																																								
4	1023.7	1014.9	80.5	79.1	82	79	0.0	0.3	10.5	9.1	100	96	270	2	225	2	8	70	°.																																								
5	1007.4	1000.3	79.7	80.5	82	79	0.6	0.0	9.1	10.5	92	100	225	2	203	3	10	70	°. Mostly o. ° p.																																								
6	989.1	987.8	80.8	76.3	81	76	0.0	0.6	10.5	7.1	100	91	203	6	293	4	10	76	o. q. ° showers.																																								
7	1001.3	1014.9	74.7	72.7	78	72	0.4	0.3	6.4	5.8	92	94	293	3	293	5	10	72	° early. *° showers a. *°																																								
8	1026.4	1031.1	75.2	75.2	77	72	2.8	0.8	4.4	0.1	59	87	315	6	315	1	2	72	α. Bright and α. *° after																																								
9	1031.1	1030.1	77.8	77.2	79	75	2.0	0.3	6.1	7.8	72	96	247	3	315	1	10	72	α. o. ° 14 h.-16 h.																																								
10	1033.2	1019.3	79.4	78.0	81	76	0.3	0.6	9.1	8.1	96	92	180	3	293	2	10	71	°° α. o., with ° showers																																								
11	1024.4	1015.9	78.0	77.7	81	75	1.1	1.4	7.4	6.8	84	80	315	2	113	3	2	71	° early. Fine.																																								
12	991.5	1007.4	78.6	77.4	80	76	1.1	2.8	7.8	5.4	85	63	247	8	270	6	10	74	° α. o., with ° showers.																																								
13	997.9	995.6	79.1	78.3	81	75	0.8	1.4	8.5	7.1	88	81	180	5	180	3	10	70	° early. o. q., with ° c.																																								
14	985.8	976.6	77.4	76.3	79	75	1.7	1.9	6.4	5.8	76	72	225	3	23	2	7	70	° early. Fair to o. [clear																																								
15	977.0	990.5	77.7	77.4	80	75	2.2	2.1	6.1	6.1	70	71	315	5	315	10	7	70	° early. c. q. ° showers																																								
16	1004.4	1003.0	77.4	80.5	81	76	2.2	0.4	5.8	9.8	69	95	270	2	247	1	10	73	° early. o. ° 14 h. and 18 h.																																								
17	1006.4	1006.4	83.6	82.4	86	80	0.6	1.1	11.9	10.2	93	86	247	6	247	6	10	73	° c. q. Bright intervals																																								
18	1015.9	1025.0	79.9	78.0	83	77	1.9	1.1	7.4	7.4	74	84	247	6	270	1	6	75	o. to fine. q.																																								
19	1029.8	1031.1	81.9	80.2	84	77	2.1	0.6	8.5	9.5	75	92	270	3	225	2	3	75	° early. Fine to c., then clear																																								
20	1032.5	1031.8	82.2	79.4	83	79	0.9	0.3	10.2	9.1	89	96	270	3	203	2	10	77	o. ≡ from 17 h.																																								
21	1030.5	1026.7	79.7	78.0	81	77	1.1	0.6	8.1	8.1	84	92	225	2	90	1	10	76	≡ α. o. to c. Clear evening																																								
22	1027.1	1019.6	78.2	81.3	82	77	0.2	1.7	8.5	9.5	98	79	45	1	90	1	10	73	° early. ≡ α. and from 17 h.																																								
23	1016.2	1014.5	79.9	79.8	82	78	0.3	0.0	9.5	9.5	96	100	180	2	203	3	10	75	o., with ≡ at times. [19 h.																																								
24	1014.9	1003.4	80.8	78.4	81	78	1.1	0.3	9.1	8.8	86	96	113	2	293	1	10	75	° early and from 13 h. [times																																								
25	1007.4	997.3	79.7	78.0	82	77	1.1	1.7	8.1	6.8	84	77	225	3	247	5	6	75	Fine to c. ° after 16 h.																																								
26	993.2	989.1	78.6	78.6	80	76	0.9	0.6	7.8	8.5	87	92	203	4	225	6	10	74	o. q., with ° α., and 20 h.																																								
27	994.9	987.1	80.2	81.1	82	76	1.7	0.3	7.8	10.2	78	96	180	3	203	6	4	74	° early. Fine to o.																																								
28	988.8	997.6	79.4	79.1	82	79	0.8	0.6	8.5	8.8	89	92	225	2	113	1	8	77	c.																																								
29	998.6	1003.4	79.4	81.1	84	78	1.1	0.8	8.1	9.5	84	89	23	2	360	1	8	76	c. and mild.																																								
30	1004.7	1002.0	82.4	81.9	86	80	0.9	0.6	10.5	10.5	88	93	135	1	293	1	10	78	o. °° noon.																																								
31	998.3	995.9	80.5	80.8	82	80	0.3	0.6	9.8	9.8	96	93	135	1	90	1	10	79	o., with ≡ α. at times.																																								
Mean	1010.1	1009.4	79.4	78.7	81.6	76.7	1.1	0.8	8.3	8.3	85	89	3.4	2.9	8.3	6.5	106.0	2.65	74.3																																								
Mean Pressure at Station Level.	999.3	998.8																																																									
x denotes the maximum and n the minimum value in the column.																																																											
Temperatures at or below the normal freezing-point of water are indicated by -.																																																											

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

BIRMINGHAM (EDGBASTON) a.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28' N$ . Long.  $1^\circ 54' W$ . Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.								
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					9 h.
	millibar.		a.	a.	a.	a.			millibar.	%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
	200 +	200 +	200 +	200 +	200 +													200 +		
1	1019.5	1013.7	79.6	77.2	81	76	2.9	0.8	6.2	7.2	104	89	180	3	225	2	100	2	70	o. till 17 h., then clear to o.
2	1019.5	1035.8	79.1	76.8	81	76	0.7	1.6	8.5	6.1	91	78	315	3	337	4	100	0	71	Dull and misty to clear. [21 h.
3	1037.9	1031.5	76.6	78.3	84	73	2.1	1.8	5.6	6.8	72	77	225	3	247	3	2	5	71	Fine. (U) evening.
4	1026.4	1017.4	78.3	80.3	82	76	0.4	2.9	8.4	6.5	94	104	225	3	203	4	9	0	73	c. a. Sunny afternoon.
5	1018.0	1005.5	80.0	82.0	83	78	1.1	0.6	8.5	10.6	85	93	203	4	180	4	7	10	76	Fine a., then dull and o.
6	995.7	989.3	82.3	75.6	85	75	0.7	0.5	10.7	6.8	91	92	180	5	293	4	10	10	74	o., with 2 showers. Clear n.
7	1002.6	1015.0	75.3	72.2	79	72	1.7	0.7	5.3	4.7	73	83	270	4	337	3	3	0	68	Fine till 10 h., then o., with 2.
8	1024.7	1031.0	72.7	74.4	77	70	1.7	1.6	3.8	4.9	104	73	337	5	315	3	0	0	82	[X] Fine till 16 h. [X]
9	1033.0	1031.8	75.0	76.4	78	72	1.9	1.4	4.9	6.2	69	79	270	2	225	3	10	10	69	g. a. o.
10	1027.0	1022.1	78.3	79.6	81	76	0.7	0.3	8.0	9.1	90	96	203	3	203	4	10	10	73	o., with 2 at times.
11	1024.6	1019.5	77.8	76.5	82	76	1.2	0.8	7.1	6.9	83	88	315	4	135	3	6	3	74	Fine till 13 h., then o.
12	1004.1	1011.5	79.3	77.1	82	75	1.1	1.6	8.1	6.3	85	78	270	5	247	4	10	10	72	2 a. / midday. 2 R 21 h.
13	1006.0	1000.3	78.1	75.1	81	74	0.8	0.4	7.7	6.6	89	94	180	4	225	3	10	9	72	Dull a. o. all afternoon.
14	990.9	972.6	74.9	73.9	80	74	0.3	0.3	6.6	6.2	95	94	203	4	90	4	8	10	72	Dull, with 2 a. o. from 16 h.
15	992.9	989.4	73.4	76.6	77	73	0.2	1.7	6.1	5.9	96	75	315	6	315	7	10	0	72	[X] 2 a. o. (sleet) till 14 h. o.
16	1005.0	1006.8	76.7	77.4	80	75	2.3	1.0	5.4	7.1	68	86	315	6	225	5	9	0	72	[X]. Mostly o.
17	1010.0	1013.3	84.1	83.2	87	77	1.4	1.9	10.8	9.5	82	77	270	5	247	6	10	0	72	76 Mild and damp a. o. to c.
18	1017.6	1025.6	81.7	78.8	84	79	2.8	1.8	7.5	7.0	67	76	293	7	270	3	6	0	76	Fine. c. in afternoon. Clear n.
19	1031.2	1033.0	80.2	79.8	85	76	2.4	1.7	7.1	7.6	70	77	270	3	270	2	3	0	69	Fine a. o. afternoon.
20	1033.5	1032.7	82.2	83.2	89	76	1.8	1.4	9.0	10.3	78	83	225	2	225	2	5	0	70	c., with o
21	1031.2	1027.4	84.8	84.2	x 90	79	2.5	2.4	9.9	9.6	71	73	203	2	203	3	3	0	71	Fine a. c. afternoon. Warm.
22	1026.1	1021.3	82.4	84.0	x 90	78	1.6	2.9	9.5	8.8	80	69	315	2	135	2	5	4	72	o. a. Fine till 17 h.
23	1018.8	1017.0	81.7	81.4	x 90	79	2.2	1.4	9.6	9.0	74	83	157	2	247	2	0	4	75	Fine till 15 h., then o. Clear n.
24	1017.6	1007.9	80.4	82.4	84	79	0.3	0.4	9.9	10.9	97	95	203	2	180	5	10	0	76	Dull and o. 21 h., then o. Clear n.
25	1010.9	1004.3	81.3	79.6	85	79	2.3	1.2	7.7	8.1	72	83	225	3	247	5	6	1	77	Fine. 2 showers 16 h.-23 h.
26	1003.4	996.7	80.4	78.7	83	76	2.0	0.7	7.6	8.1	74	90	180	7	203	5	8	3	78	Fine a. / afternoon. Clear n.
27	1000.6	995.1	80.3	83.5	84	75	2.4	1.8	7.1	9.9	70	79	180	4	203	7	2	8	73	Fine a., then o., with 2. 21 h.
28	993.3	997.9	83.1	82.6	85	x 82	1.2	0.7	10.5	10.8	86	91	180	6	135	3	10	10	74	Dull and o. o. 11 h. and 16 h.-o.
29	998.0	1000.8	84.8	83.8	86	x 82	1.6	0.5	11.1	12.1	81	93	157	2	45	2	8	0	80	o. noon-15 h. 30 m. [19 h.
30	1002.8	1003.1	81.9	85.4	x 90	81	0.6	0.8	10.4	12.8	92	90	67	4	90	2	10	0	80	Dull and damp a. R 20 h.-21 h.
31	1001.2	998.2	81.8	81.1	87	80	1.7	2.3	9.5	7.6	80	72	180	4	157	3	7	5	78	Fine. 21 h.
Mean	1012.8	1011.9	79.7	79.4	83.5	76.3	1.5	1.3	8.0	8.1	80	83	3.8	3.6	7.0	5.6	70.0	3.23	73.2	
Mean Pressure at Mean Sea Level.	992.6	991.7																		

CAMBRIDGE, a.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H=12.8$  m.; Barometer,  $H_b=13.1$  m. Heights above Ground:—Therms.,  $h_t=1.2$  m.  
Rain-gauge,  $h_r=0.30$  m. Lat.  $52^{\circ} 12' N$ . Long.  $0^{\circ} 8' E$ . Time, Greenwich mean time.

[illegible]

$x$  denotes the maximum and  $n$  the minimum value in the column.



## ARMAGH, a.c.d.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.					
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.							
	millibar.		a.	a.	a.			millibar.	%	%		m/s.	m/s.	Tenths of Sky covered.	mm.	hr.	a.		
			200+	200+	200+														
1	1014.2	1011.8	79.9	78.3	84	78	0.0	0.0	9.6	8.9	100	100	—	0	1	10	13.0	80	≡ <sup>2</sup> . °° all day. ° <sup>2</sup> n.
2	1025.0	1034.5	77.3	75.6	82	75	0.9	1.1	7.2	6.1	88	83	330	3	240	3	4	80	° <sup>2</sup> n.
3	1029.8	1026.1	79.0	82.1	83	75	1.2	0.3	7.7	11.1	93	96	220	10	240	6	10	83	Fine.
4	1021.7	1012.8	82.7	82.6	85	82	0.6	0.6	11.0	11.0	93	93	220	6	210	5	10	74	o., with °.
5	1005.1	995.6	78.4	82.3	83	77	1.1	0.9	7.5	10.3	86	89	200	5	190	7	10	82	o., with °.
6	987.8	991.2	76.8	74.4	83	74	0.2	0.6	7.7	6.1	97	91	300	4	310	3	10	77	o. °° afternoon.
7	1003.4	1019.3	73.4	72.0	79	72	0.1	0.3	6.2	5.3	98	92	300	4	310	3	10	77	° from 7h. 30 m. o.
8	1029.4	1032.5	71.5	75.1	79	68	0.9	0.4	4.0	6.6	74	93	1	1	1	0	10	72	☉. * a. and afternoon.
9	1030.1	1029.1	76.4	77.0	82	75	0.8	0.4	6.8	7.6	87	94	215	5	1	10	10	69	☉. * showers a. Fine.
10	1017.3	1021.3	80.7	76.7	83	76	0.8	0.6	9.3	7.2	90	91	180	7	300	3	10	73	☉. a. c. ☐ evening.
																		72	Dull and o. Clear n.
11	1025.0	1010.1	77.1	77.4	82	74	0.9	1.1	7.1	7.0	87	84	1	140	6	0	10	71	Very fine.
12	991.5	1007.1	78.6	74.8	81	75	1.2	0.9	7.4	6.0	84	85	270	7	230	3	10	76	☉. * squalls. Fine.
13	992.9	991.9	78.3	76.4	82	74	1.0	1.1	7.6	6.4	87	83	195	8	170	6	10	72	☉. * squalls afternoon.
14	984.1	978.0	74.6	74.7	80	73	0.8	0.7	5.9	6.1	85	87	200	6	1	5	10	72	☉. * ☐
15	980.7	997.3	76.7	74.6	80	72	1.3	0.8	6.4	5.9	81	86	280	3	320	5	1	72	☉. * ☐
16	1004.7	1002.7	75.9	81.7	82	73	1.2	0.5	6.1	10.5	81	94	220	3	250	3	10	69	Fine. * ☐ (sleet) afternoon
17	1006.1	1005.4	83.9	82.8	87	87	0.4	0.3	12.3	11.6	94	96	240	3	250	3	10	78	o. °° afternoon.
18	1016.2	1025.4	79.4	78.1	85	77	1.6	0.9	7.5	7.5	78	86	225	4	250	3	10	81	o., with °. ° <sup>2</sup> n.
19	1029.4	1030.8	80.6	81.8	86	76	1.2	0.6	8.8	10.4	85	93	215	3	220	4	10	79	☉. showers afternoon.
20	1031.8	1030.5	82.6	81.9	85	81	1.0	1.1	10.4	9.7	88	86	220	6	220	2	10	75	Mostly o. Clear n.
																		80	o.
21	1029.1	1026.1	79.5	78.2	84	78	1.0	0.2	8.3	8.6	86	97	200	3	190	2	10	78	Dull and g. to fine.
22	1025.7	1019.3	80.0	80.1	86	75	0.4	0.8	9.3	8.9	94	89	1	170	4	5	10	71	Fine.
23	1013.9	1011.8	80.6	81.8	85	79	0.4	0.2	9.8	10.9	95	97	190	6	200	6	10	79	Fine a., then dull. ° <sup>2</sup> n.
24	1013.5	1003.0	80.1	80.2	84	77	0.6	0.7	9.2	9.1	93	92	1	180	3	8	10	76	☉. a. o. (squal 17)
25	1004.0	994.2	79.2	76.2	82	76	1.7	1.5	7.2	6.0	77	78	190	4	215	7	0	76	°° early. Fine till 14 h.
26	988.8	986.1	78.5	76.4	82	74	1.1	0.9	7.6	6.6	86	85	210	4	200	8	4	73	☉. squal 7 h. ☉. showers afternoon
27	989.8	982.7	78.7	79.5	82	74	1.4	0.3	7.3	6.2	81	96	180	8	190	5	1	74	Fine to o. ° from 14 h.
28	987.8	996.3	77.8	79.7	85	77	0.6	0.9	7.9	8.6	92	87	225	3	145	4	10	76	° a. Fine. o. n.
29	1001.0	1005.7	79.1	77.5	84	76	0.4	0.3	8.8	8.1	95	96	1	1	1	10	4	71	≡ a. Fine.
30	1006.1	1001.7	81.1	81.5	87	76	1.3	0.8	9.0	9.9	84	90	1	190	2	4	3	71	Fine. ☐ n.
31	997.3	996.3	79.0	77.9	82	78	0.5	0.0	8.7	8.7	93	100	1	1	0	10	10	76	Very wet day.
Mean	1009.1	1008.9	78.6	78.4	83.1	75.8	0.9	0.6	8.1	8.1	88	91	3.9	3.7	7.3	6.8	81.2	74.5	
Mean Pressure at Station Level.	1001.3	1001.1																	

## DUBLIN (PHENIX PARK), a.c.—MARCH 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

LOCAL MEAN TIME, 25 m. AFTER GREENWICH.																		
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.				Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Veer from North and Force or Speed.		9 h.	21 h.					
1	1015.2	1010.5	82.4	80.3	84	1.2	0.3	9.8	9.8	85	97	225	1	0	7	9	o. ° <sup>2</sup> from 18 h. 30 m.	
2	1024.4	1036.9	79.1	73.7	82	1.8	0.7	7.1	5.8	76	87	315	2	0	6	7	Fine.	
3	1033.2	1028.4	79.1	83.4	85	2.3	1.6	6.8	10.2	70	80	315	4	270	5	7	Fine.	
4	1023.7	1014.9	84.0	81.4	85	1.7	1.1	10.5	9.5	80	86	270	3	270	2	8	Mostly o.	
5	1006.8	997.9	80.8	82.9	85	1.7	1.2	1.3	8.8	10.2	84	270	2	225	2	9	o. ° 19 h. 30 m.	
6	987.5	992.2	80.8	80.0	84	0.8	1.6	9.5	7.8	90	80	315	2	315	2	10	o., with ° <sup>2</sup> .	
7	1000.7	1016.9	76.6	73.9	82	1.4	1.3	1.2	6.4	5.1	81	77	315	3	315	3	6	c. * 10 h.-noon and 18
8	1029.4	1032.8	74.2	73.3	79	1.2	0.7	5.1	5.4	78	84	315	2	0	0	9	5	° <sup>2</sup> 6.
9	1031.5	1030.1	78.5	78.2	80	2.5	0.4	6.1	8.1	69	94	225	2	0	0	9	6	° <sup>2</sup> 6.
10	1020.3	1021.7	82.6	75.9	84	1.9	0.4	9.1	7.1	76	94	225	5	0	0	9	0	° <sup>2</sup> 6.
11	1025.0	1011.2	78.0	78.1	82	1.3	1.4	7.1	7.1	81	80	1	135	4	0	7	0	° <sup>2</sup> 6.
12	995.9	1009.5	80.3	75.7	82	1.5	3.4	6.1	6.1	160	84	270	10	0	6	0	7	° <sup>2</sup> 6 h. Fine.
13	996.6	994.2	76.8	77.4	82	0.9	2.1	7.1	6.1	88	71	225	2	225	2	10	0	° <sup>2</sup> showers. 16 h.
14	984.1	977.3	78.6	74.7	80	2.4	0.1	6.4	6.8	70	98	225	2	0	8	100	0	c. to o., with ° <sup>2</sup> .
15	982.1	997.3	77.4	75.3	81	1.6	1.4	6.4	5.8	77	78	315	3	315	4	6	0	° <sup>2</sup> showers. 13
16	1007.1	1004.0	77.1	82.8	83	1.4	1.9	6.1	10.5	74	89	225	2	225	2	10	100	° <sup>2</sup> p. 13 30 m.-14 h. 30
17	1009.5	1009.1	84.7	83.6	87	0.8	1.2	11.9	10.5	85	83	270	5	270	9	10	6	° <sup>2</sup> p. 18 h. 30 m.-23
18	1018.6	1026.1	81.5	78.5	84	2.4	1.5	7.8	7.1	81	81	270	4	0	0	3	3	° <sup>2</sup> p.
19	1031.1	1031.5	81.9	83.6	85	1.8	1.6	8.8	10.2	78	81	315	2	270	2	8	7	c. to o.
20	1032.2	1030.8	84.3	79.2	86	1.8	1.0	10.5	8.1	79	86	270	1	270	2	2	0	° <sup>2</sup> 73
21	1029.1	1026.4	80.3	77.4	84	1.2	0.1	8.5	8.1	84	98	1	0	0	10	10	0	° <sup>2</sup> 71
22	1026.1	1019.3	78.6	77.4	83	0.1	0.4	9.1	7.8	99	95	135	1	0	0	10	10	o. g. to fine.
23	1014.9	1012.8	84.6	82.4	87	2.7	1.1	9.5	10.2	69	86	225	2	270	3	3	7	° <sup>2</sup> 70
24	1013.9	1004.7	81.9	80.0	83	1.2	0.4	9.5	9.5	85	94	225	1	225	2	10	100	° <sup>2</sup> 10 h.-15 h. 30 m.
25	1005.4	997.9	80.7	76.8	83	1.6	1.6	6.1	6.1	67	78	225	2	225	4	7	0	c. to o., with ° <sup>2</sup> .
26	991.2	988.8	80.4	77.8	84	1.8	1.6	7.8	6.8	77	78	225	3	225	6	7	2	° <sup>2</sup> 69
27	991.5	983.7	80.9	82.0	85	2.4	0.8	7.4	10.2	71	91	270	3	270	4	6	10	° <sup>2</sup> 69
28	989.5	995.6	81.9	80.3	84	2.2	1.7	8.1	7.8	73	78	225	2	0	8	7	10	° <sup>2</sup> 69
29	999.6	1004.4	81.6	80.1	84	1.9	1.1	8.5	8.5	77	86	45	1	0	6	10	8	° <sup>2</sup> 69
30	1005.7	1002.7	80.9	81.4	85	0.9	0.5	9.1	10.2	88	93	1	0	0	10	8	10	° <sup>2</sup> 69
31	997.3	995.9	79.1	78.0	82	0.3	0.1	8.8	8.5	95	98	270	2	0	0	10	10	° <sup>2</sup> 69
Mean	1010.2	1009.9	80.3	78.9	83.4	1.7	1.0	8.1	8.1	78	86	2.4	1.9	7.1	5.5	63.6	74.3	69.8
Mean Pressure at Station Level.	1004.3	1003.9																
x denotes the maximum and n the minimum value in the column.																		
METEOROLOGICAL OFFICE, LONDON.																		

x denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
May 15th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—APRIL 1920.



Rain gauge, 11" = 0.50 in. Lat. 36 48 N. Long. 5 7 W. Time, Greenwich mean time.																				
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.					Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.						
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								
millibar.		<i>a.</i>	<i>a.</i>	<i>a.</i>	<i>a.</i>	millibar.					%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	<i>a.</i>	
		200 +	200 +	200 +	200 +														200 +	
1	1006.4	1008.1	80.2	79.0	83	78	2.3	1.7	7.1	7.2	71	78	90	4	45	4	7	10	0.3	Fair. Sunny intervals.
2	1005.4	1011.8	78.5	79.6	84	78	1.1	2.2	7.6	7.0	86	72	45	4	90	3	10	0	1.0	Fair to fine and sunny.
3	1013.2	1013.9	80.8	79.2	81	75	1.7	0.7	8.2	8.6	79	90	45	3	90	3	10	0	—	c., but fair.
4	1012.8	1011.2	79.7	80.2	82	77	0.7	1.7	8.8	7.9	90	90	—	0	—	0	10	10	—	Fair to fine.
5	1011.8	1012.5	80.1	79.7	82	78	1.6	1.8	7.9	7.4	79	76	45	1	—	0	10	10	—	Fair to fine.
6	1011.8	1007.4	79.4	79.7	81	77	1.2	1.7	8.1	7.5	84	76	—	0	225	2	10	10	0.3	Dull. ☉ showers, p.
7	998.6	1004.7	77.4	74.7	82	74	1.2	1.3	6.9	5.4	82	78	270	3	225	1	10	10	4.1	☉ showers at first. Sunny p.
8	1007.1	1005.1	76.0	75.2	83	71	1.8	1.1	6.1	6.0	76	82	—	0	—	0	1	1	—	☉ Fine, clear, and sunny.
9	1002.4	1003.0	78.6	76.9	83	70	3.3	2.3	5.4	5.4	60	69	225	2	45	3	7	9	—	☉ Fine, clear, and sunny.
10	1003.4	1005.1	79.0	78.0	82	76	2.9	4.0	6.1	4.5	64	52	135	2	135	2	10	2	—	c. ☉ on hills.
11	999.3	996.9	80.1	79.2	82	76	3.9	2.3	5.5	6.6	55	70	135	5	135	3	9	10	—	q. Generally dull.
12	992.9	988.1	80.7	79.1	82	78	2.7	2.1	6.8	6.8	72	45	1	90	3	10	10	—	—	Dull. ☉ on hills.
13	985.8	986.1	80.8	81.8	88	78	1.8	1.0	8.1	9.8	77	87	90	2	—	0	10	10	0.8	Sunny, till 14 h., then dull.
14	986.4	987.5	83.0	80.8	84	80	3.3	0.6	7.7	6.3	93	180	4	225	2	9	10	2.8	—	Dull and showery.
15	982.0	979.7	81.3	81.7	84	79	1.8	1.2	8.4	9.3	78	85	45	2	—	0	10	10	2.5	☉ at first. Fair later.
16	984.1	999.6	79.8	77.9	82	77	0.2	2.7	9.6	5.6	98	65	—	0	315	2	10	1	13.0	☉ showers. Clearing evening
17	1010.5	1011.2	78.7	78.0	84	72	2.9	2.2	5.9	6.1	64	70	—	0	—	0	1	2	—	Fine, clear, and sunny.
18	1009.5	1004.7	82.6	82.1	86	72	4.1	4.2	6.6	6.3	56	55	180	1	225	2	1	—	—	Sunny. ☉
19	1003.0	994.9	81.2	83.0	87	79	1.0	3.3	9.3	7.6	87	63	225	2	225	2	5	10	2.0	c. ☉ showers after 15 h.
20	997.6	1004.4	82.4	79.1	87	78	3.4	1.0	7.2	8.1	61	86	—	0	225	1	2	10	0.5	Fine till 16 h. ☉▲K 17 h.
21	1011.5	1014.5	80.8	80.8	85	78	2.5	3.1	7.3	6.7	70	64	—	0	225	3	10	10	4.3	Generally fine. ☉ showers.
22	1011.8	1016.6	82.4	80.8	86	78	2.4	2.2	8.4	7.6	71	73	225	1	315	2	10	7	—	Generally fine. ☉ showers.
23	1021.0	1016.6	79.7	79.7	86	73	2.0	0.6	7.2	9.0	73	92	—	0	225	2	1	10	—	Fair to fine. ☉ after 17 h.
24	1010.8	1007.4	82.4	80.9	86	79	0.6	0.7	10.9	9.6	93	91	225	4	225	4	10	10	7.6	Dull and showery.
25	1004.0	1006.4	80.6	80.4	82	79	1.6	1.3	8.2	8.5	81	83	225	4	270	3	10	10	9.1	Dull and showery.
26	1014.9	1007.8	80.9	78.6	83	78	2.6	1.6	7.3	7.1	69	79	270	3	225	3	6	10	12.2	Fair a. Showery p. ☉ on hills.
27	998.6	1000.7	79.2	79.0	82	76	2.4	2.2	6.5	6.6	69	71	360	1	315	3	9	4	1.5	Fresh ☉ on hills. ☉ showers.
28	1001.3	1004.7	79.5	78.4	82	76	1.9	2.6	7.2	6.0	74	67	—	0	360	2	4	8	1.5	Fresh ☉ on hills. Showery.
29	1006.4	1009.1	79.1	78.1	84	75	2.3	1.9	6.5	6.5	70	75	—	0	315	3	8	9	—	Dull early, then generally fine.
30	1009.5	1010.5	79.7	76.4	83	73	3.2	1.2	6.4	6.4	62	82	225	1	—	0	10	7	—	Generally fine.
Mean	1003.8	1004.3	80.2	79.3	83.6	76.3	2.1	1.9	7.4	7.2	74	76	1.7	1.9	7.7	7.5	80.0			
Mean Pressure at Station Level.	1002.4	1002.9																		

## DOUGLAS, ISLE OF MAN, a.—APRIL 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10'$  N. Long.  $4^\circ 28'$  W. Time, Local mean time, 20 m. after Greenwich.

1	1000°7	1001°7	78°6	78°6	81	79	0°0	1°1	9°1	7°8	100	85	67	4	23	3	10	8	4°6	2°4	77	o. to c., with ● showers.
2	1000°3	1007°1	79°1	80°2	81	77	0°8	1°2	8°5	8°5	88	84	360	3	45	2	10●	8	0°8	0°1	75	o., with ● showers.
3	1009°5	1010°1	79°7	79°3	82	77	0°8	0°7	8°8	8°5	88	90	23	3	45	3	10	7	0°8	3°8	75	o. ● showers 11 h. Bright air.
4	1011°5	1011°8	79°7	79°7	84	79	1°4	1°1	7°8	8°1	81	84	45	3	315	2	4	8	—	5°0	76	Fine, with c. intervals.
5	1012°2	1014°5	80°2	79°1	83	79	1°1	1°1	8°5	7°8	85	84	337	2	315	1	8	7	—	4°7	76	c. to very fine.
6	1015°2	1011°8	79°1	80°2	82	76	0°8	0°6	8°5	9°5	88	92	113	2	203	3	10	10	12°7	1°5	77	— early. c.
7	1002°4	1006°4	80°8	78°8	82	79	0°6	1°4	9°8	7°4	93	81	247	4	270	1	8	8	0°8	2°9	77	● early. q. a. c.
8	1008°1	1003°7	78°6	76°9	n 80	n 74	2°4	0°1	6°1	7°8	70	98	67	2	45	1	4	10●	2°8	5°2	n 69	— early. Fine to o.
9	1001°3	1000°3	79°1	79°1	81	77	1°7	1°1	7°4	8°1	78	84	45	2	67	2	7	10	7°9	2°6	75	q. a. c.
10	1001°7	1002°0	77°2	77°4	n 80	76	0°3	0°3	7°8	8°1	96	96	67	2	67	2	10●	10	2°0	—	75	o., with ●.
11	995°6	991°5	80°2	80°8	82	77	1°1	0°6	8°5	9°8	85	93	90	4	90	6	10	10	3°6	—	76	o. q., with ● showers.
12	986°1	983°0	80°2	80°2	81	79	0°6	0°6	9°5	9°5	92	92	90	7	67	2	10●	10	x 14°2	—	77	● 6 h. o. q. ● p.
13	981°4	986°1	80°4	80°8	82	x 80	0°2	1°1	10°2	9°1	98	86	113	3	180	4	10	10	3°6	—	76	o., with ● showers.
14	990°5	990°2	81°3	79°7	82	x 80	0°6	0°1	10°2	9°5	93	98	225	4	135	1	10	8	9°1	0°5	78	● o. q.
15	981°0	980°0	81°3	81°3	83	79	0°0	0°6	10°8	10°2	100	93	180	2	180	3	10●	10	3°1	0°8	77	— at times.
16	984°7	1002°4	80°8	78°6	82	78	0°4	1°7	9°8	7°1	95	78	315	6	293	2	10	0	—	6°1	79	— till 9 h. o. q. Fine afternoon.
17	1011°5	1012°2	80°2	79°1	82	n 74	2°1	1°1	7°4	7°8	74	84	135	2	225	1	3	7	—	12°9	71	— early. Very fine.
18	1011°2	1008°4	81°3	80°5	83	77	0°8	1°4	9°8	8°5	90	82	135	3	157	3	8	10●	1°0	2°4	76	● showers p.
19	1005°1	996°6	80°8	80°5	82	x 80	0°3	0°8	10°2	9°1	97	89	135	2	203	6	10	3	2°8	—	77	o., with ● showers.
20	992°5	1003°7	79°1	79°1	81	77	1°7	1°7	7°4	7°4	78	78	113	7	337	3	10	10	8°4	1°3	75	c. to o. q. 11 h.
21	1013°9	1018°3	79°7	78°3	84	78	1°1	1°4	8°1	7°1	84	81	293	3	315	1	7	3	8°4	7°2	76	Fair to fine.
22	1012°5	1014°5	78°6	80°5	84	77	0°3	0°3	8°8	9°8	86	96	113	5	23	4	10●	10	3°1	0°6	75	q., with continuous ● till 10 h.
23	1021°7	1022°0	82°4	80°8	85	77	2°8	1°1	8°1	9°1	n 67	86	337	2	180	1	7	8	5°1	6°0	75	— a. Fine to c.
24	1016°6	1014°5	83°3	83°6	x 86	x 80	0°3	2°2	11°9	9°5	96	74	247	5	270	6	10	8	—	2°4	79	● early. o. q. to c.
25	1013°9	1011°8	81°9	80°2	84	x 80	1°7	0°6	8°8	9°5	79	92	270	6	270	6	7	10●	5°1	9°2	77	Fine but, q. ● p.
26	1017°6	1014°5	81°9	79°7	83	x 80	1°7	0°6	8°8	9°1	79	92	315	6	293	4	4	10●	5°6	5°0	77	Fine but q. a., then c.
27	1002°0	1001°3	79°1	78°6	82	77	0°8	1°7	8°5	7°1	88	78	293	3	293	6	7	6	0°3	7°6	76	c. a. c. to fine, q.
28	1002°4	1005°1	78°6	79°1	82	77	1°7	1°1	7°1	7°8	78	84	293	7	315	6	7	2	2°3	7°2	75	q. a. ● showers noon, then fine.
29	1009°1	1011°5	79°1	76°9	82	77	1°8	0°8	7°1	7°1	76	88	315	6	293	1	4	3	0°5	10°8	74	● a. q. a. Very fine.
30	1012°2	1012°8	79°7	78°0	83	n 74	2°2	0°8	7°1	7°8	71	89	270	2	247	1	4	2	—	12°2	70	— early. Very fine.
Mean	1004°1	1005°0	80°1	78°0	82°4	77°7	1°1	1°0	8°7	8°5	86	87	—	3°8	—	2°9	8°0	7°5	108°6	4°00	75°4	—
Mean Pressure at Station (Level.)	993°6	994°4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
x denotes the maximum and n the minimum value in the column.																						
Temperatures of air below 5 ft.																						

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.										
			9 h.	21 h.			21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.					21 h.		
1	millibar.		200+	200+	200+	200+			millibar.	%	%			0-12	0-12	Tenths of Sky covered.	mm.	hr.	200+				
2	996.8	998.0	80.1	78.3	81	78	0.7	0.7	9.0	8.1	90	91	67	4	23	3	10 <sup>00</sup>	10 <sup>00</sup>	3.6	—	75	o. a. o., with occasional o.	
3	1002.3	1005.7	78.2	77.9	81	77	1.3	0.6	7.2	8.0	82	92	315	2	247	1	9 <sup>00</sup>	10 <sup>00</sup>	2.6	—	72	o., with o. a. Continuous o. from	
4	1006.3	1006.7	77.3	78.3	n 80	77	0.9	0.5	7.2	8.2	88	93	23	3	23	3	10 <sup>00</sup>	10 <sup>00</sup>	3.3	—	n 71	Continuous o. 2 h.-24 h. [11 h.	
5	1008.6	1010.7	78.8	79.2	n 80	78	1.0	0.7	7.9	8.5	86	90	23	3	337	3	10 <sup>00</sup>	10 <sup>00</sup>	2.4	—	77	Almost one continuous drizzle.	
6	1011.8	1014.2	78.9	79.4	82	78	0.8	0.8	8.1	8.6	88	89	293	3	337	2	10 <sup>00</sup> ≡	8 <sup>00</sup>	1.0	0.2	76	Drizzling o. till noon, then o.	
7	1007.8	1006.8	80.9	80.9	82	78	2.1	1.7	7.7	7.6	75	77	293	2	225	2	5 <sup>00</sup>	8 <sup>00</sup>	0.8	1.3	73	Fine to c., then o.	
8	1006.7	1006.8	80.9	80.9	82	78	1.8	0.4	8.1	10.0	77	95	203	5	225	2	8	10 <sup>00</sup>	1.3	0.1	76	o. h. o., with o. 9.	
9	1006.7	1001.1	79.9	81.9	82	78	0.9	0.2	8.7	11.0	88	97	67	2	180	2	10 <sup>00</sup>	10 <sup>00</sup>	1.3	—	77	o., with o. till 8 h. 30 m.	
10	1000.0	999.1	77.9	79.0	82	77	0.3	0.3	8.3	8.8	96	96	67	3	67	4	10 <sup>00</sup> ≡	10 <sup>00</sup>	7.3	—	77	Dark and wet till noon, then o. o. p.	
	1000.4	1002.0	82.4	81.8	89	78	0.3	0.6	11.4	10.5	97	93	180	2	67	2	10 <sup>00</sup> ≡	10 <sup>00</sup>	0.4	3.5	77	o. a. Fine afternoon, then o.	
11	996.1	993.7	81.9	81.1	85	80	0.4	0.7	10.7	9.7	94	90	113	3	135	3	10 <sup>00</sup>	2 <sup>00</sup>	6.3	—	79	o., with o. showers. Clear n.	
12	988.2	985.1	80.9	80.8	84	79	0.6	1.3	9.8	8.8	93	83	135	4	180	3	10 <sup>00</sup>	1	5.6	—	77	o., with o. showers till 16 h. Clear n.	
13	984.3	993.7	82.6	80.2	85	79	1.4	2.1	9.8	7.3	82	73	180	4	203	4	10 <sup>00</sup>	2	9.7	1.0	76	Mostly o., with o. showers.	
14	987.3	992.2	80.6	80.2	85	78	1.7	0.6	8.1	9.3	79	93	203	5	135	4	8	8 <sup>00</sup>	5.6	4.7	76	c. to fine. o. from 15 h. o. from	
15	996.0	985.3	83.1	82.3	86	80	0.6	1.2	11.3	9.9	92	85	180	4	203	6	9 <sup>00</sup>	9 <sup>00</sup>	6.6	0.6	79	o. showers a. c. to o. [18 h.	
16	990.6	1004.5	81.7	80.2	85	80	1.4	0.6	9.1	9.3	82	92	203	5	225	3	8 <sup>00</sup>	4	1.8	1.5	77	c. till 15 h. and from 18 h.	
17	1011.5	1012.0	81.4	81.6	85	79	1.6	1.2	8.8	9.4	8												
18	1013.2	1012.3	80.2	80.3	86	79	0.7	0.6	9.1	9.2	90	135	1	180	2	8 <sup>00</sup>	6	2.4	2.6	79	o. Fine 11 h.-14 h. o. 2 shower 16 h.		
19	1009.3	1002.9	82.1	80.0	85	79	0.6	1.1	10.6	8.5	92	85	180	4	247	4	10 <sup>00</sup>	2	10.7	0.1	77	o. showers. (4 mm. fell in 20 min.)	
20	997.5	1000.8	79.7	77.8	82	76	2.5	0.7	6.6	7.6	68	90	180	5	337	7	8 <sup>00</sup>	10	10.6	3.0	74	o. 3 h.-5 h. Fine till 9 h., then o. 2.	
21	1012.5	1020.2	79.4	79.3	84	77	1.4	1.7	7.7	7.3	80	77	337	5	315	3	10 <sup>00</sup>	1	1.9	3.9	74	o. 2 showers a. Fine afternoon.	
22	1017.3	1015.3	80.3	81.8	82	77	1.4	0.5	8.2	10.5	81	93	180	4	203	3	10 <sup>00</sup>	10	2.5	—	74	Dull. o. 9 h. o. 11 h.-14 h. o.	
23	1021.2	1023.2	80.9	85.6	x 80	80	0.6	2.1	9.8	11.1	93	76	360	3	247	2	10	8	0.4	6.1	80	Dull till 10 h., then fine and warm.	
24	1021.5	1018.6	82.9	83.6	x 80	81	0.8	1.1	10.8	11.0	90	86	225	3	247	5	10 <sup>00</sup>	10	0.6	1.1	80	Dull, with o. a. Fine 13 h.-15 h. o. to o.	
25	1015.9	1014.0	80.9	80.6	85	80	1.4	1.9	8.7	7.8	82	76	315	5	270	4	10 <sup>00</sup>	8	1.2	6.3	78	o. 9 h. Fine. [o.	
26	1015.6	1016.3	81.2	81.3	84	79	1.7	2.3	8.6	7.8	80	72	337	5	293	4	10 <sup>00</sup> T	7	0.5	2.3	77	o. a. Fine early afternoon, then	
27	1003.6	1002.2	81.4	78.2	83	78	1.3	1.4	9.1	7.1	84	81	270	5	293	3	10 <sup>00</sup> T	6	6.1	0.5	75	o., with o. showers. T▲ 9 p.	
28	1002.6	1005.4	79.3	77.2	84	75	2.7	0.7	6.3	7.3	67	90	315	5	293	4	4	4	1.4	7.8	72	Fine but cool.	
29	1009.7	1013.2	80.3	77.4	84	76	2.7	1.2	6.7	7.0	n 66	83	315	4	270	5	7	3	—	6.2	72	▲ a. Fine to c. [20 h.	
30	1013.0	1014.7	80.6	78.5	n 74	74	2.8	0.8	6.9	8.0	n 66	90	247	4	247	2	8	10●	3.7	7.1	72	Fine a. ▲ 11 h. 35 m. c. ●	
Mean	1005.5	1006.2	80.6	80.2	83.9	78.0	1.3	1.0	8.7	8.8	84	87	3.7	3.3	9.1	7.2	11.7	5	2.0	7.5	78		
Mean Pressure at Station (level).	985.5	986.2																					

CAMBRIDGE, a.—APRIL 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 12.8$  m.; Barometer,  $H_b = 13.1$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

Rain-gauge at 6.50 m. Lat. 52° 12' N. Long. 5° 12' W. Time, Greenwich mean time.														
	8 h.	20 h.	8 h.	20 h.	20 h. to 20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.
1														
2	996'5	997'0	80'9	79'9	83	79	0'3	0'5	10'2	9'1	96	93	90	3
3	1000'4	1003'8	80'5	80'2	85	79	1'1	0'0	8'8	10'2	86	100	315	2
4	1005'2	1005'7	80'3	78'3	n 82	79	0'2	0'1	8'8	9'8	97	98	90	1
5	1005'9	1008'8	80'1	79'7	84	77	0'7	0'3	9'1	9'5	91	96	360	3
6	1010'2	1012'4	79'7	79'7	85	79	0'9	0'2	8'5	9'5	86	97	360	4
7	1015'5	1015'7	78'8	80'7	86	74	0'2	0'4	9'1	9'8	98	94	—	0
8	1010'7	1011'5	81'4	83'2	86	77	1'4	1'3	8'8	10'5	82	84	180	4
9	1006'3	1003'1	81'2	84'0	84	81	0'0	0'2	10'8	12'9	100	98	360	1
10	999'9	997'1	81'6	84'6	85	81	0'0	0'0	11'2	13'5	100	100	90	3
11	1000'8	1002'0	84'7	84'1	90	81	0'9	0'4	12'2	12'5	88	94	225	4
12														
13	997'2	996'3	82'9	81'9	87	80	0'6	0'0	11'2	11'5	93	100	135	3
14	991'7	987'1	82'9	82'7	84	80	0'6	0'8	11'2	10'8	93	89	135	3
15	987'5	994'8	83'1	82'4	87	79	1'1	1'1	10'5	10'2	86	86	135	4
16	999'6	998'5	83'2	82'6	87	78	2'0	0'6	9'5	10'8	77	93	225	5
17	989'6	990'1	85'2	84'7	89	81	1'2	2'2	12'2	10'2	85	74	225	5
18	993'0	1003'1	85'2	83'7	x 82	87	x 82	2'1	9'8	9'8	69	75	225	6
19	1011'6	1011'2	83'2	83'0	86	76	1'3	1'0	10'5	10'5	84	87	45	3
20	1013'0	1013'7	81'3	82'0	84	81	1'0	0'6	9'5	10'5	87	93	45	2
21	1012'1	1006'2	83'0	83'6	87	77	1'7	1'6	9'8	10'2	80	81	180	3
22	1002'1	996'8	80'2	80'2	85	76	1'1	1'1	8'5	8'5	85	85	225	4
23														
24	1010'2	1019'3	81'0	79'1	85	78	1'4	0'4	8'8	8'8	83	94	315	4
25	1020'3	1017'7	83'0	80'8	85	n 72	2'2	0'6	9'1	9'8	74	93	180	3
26	1020'3	1022'9	83'8	83'3	x 91	80	0'9	0'3	11'5	11'9	89	96	225	2
27	1021'8	1018'9	84'8	85'9	90	79	2'2	1'2	10'2	12'5	75	86	225	4
28	1015'4	1013'6	84'1	83'4	x 82	78	3'3	2'4	8'5	9'1	64	72	270	4
29	1012'8	1015'5	82'4	81'9	86	80	1'7	2'2	9'5	8'1	79	73	337	5
30	1007'1	1000'7	82'4	79'9	84	79	1'7	0'6	9'5	8'8	79	92	225	5
31	1001'5	1003'5	81'9	79'9	85	75	2'5	1'3	7'8	8'1	70	82	315	4
32	1009'1	1011'4	80'6	82'3	85	76	3'2	3'0	6'4	7'8	n 62	65	315	5
33	1013'9	1014'4	80'8	81'9	86	73	2'2	1'6	7'8	8'1	73	80	270	3
Mean	1006'0	1006'4	82'2	81'9	85'9	78'4	1'3	0'9	0'7	10'1	84	88	3'4	2'4
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$x$  denotes the maximum and  $n$  the minimum value in the column.



ARMAGH, a.c.d.—APRIL 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 62.2$  m.; Barometer,  $H_b = 63.7$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Cups of Anemometer,  $h_a = 15.2$  m. Lat.  $54^\circ 21' N$ . Long.  $6^\circ 39' W$ . Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.	9 h.					21 h.	
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.		9 h.	21 h.									
	millibar.		a.	a.	a.	a.									Tenths of Sky covered.		mm.	hr.	a.			
1	1001.3	1006.1	79.2	78.9	82	77	0.4	1.1	8.9	7.9	93	85	360	4	330	4	10	10	1.0	0.8	77	Dull and cold.
2	1005.1	1008.4	77.9	78.4	80	78	0.4	0.4	8.0	8.4	94	94	360	2	—	1	10	10	2.0	—	77	• most of day.
3	1011.8	1012.2	78.7	79.9	82	76	0.4	0.6	8.6	9.1	93	92	10	2	40	2	10 <sup>0</sup>	10	0.3	0.8	78	• a. Dull.
4	1013.2	1012.8	80.6	79.8	84	77	1.1	0.4	9.0	9.3	87	95	30	2	—	1	10 <sup>0</sup>	10 <sup>0</sup>	0.3	0.3	78	o., with •.
5	1013.5	1015.2	79.5	78.3	82	78	0.7	0.7	8.7	8.1	89	91	310	2	—	1	10	4	—	0.4	77	Damp and g. a. c.
6	1014.2	1008.4	81.3	79.6	85	75	1.6	0.9	8.7	8.5	80	88	—	0	205	5	4	10 <sup>0</sup>	2.5	3.9	70	Fine. • n.
7	1003.7	1007.4	80.2	75.3	81	75	1.2	0.9	8.4	6.1	85	85	310	4	—	1	5	0	—	0.9	77	c. Zodiacal light.
8	1007.8	1003.7	78.0	76.4	81	78	1.2	1.8	7.2	5.8	83	74	—	0	70	2	2	0	—	5.5	70	Fine.
9	1002.7	1002.0	78.6	75.6	82	78	2.4	0.9	6.2	6.3	69	85	—	1	25	2	6	10	—	7.1	66	Fine. ⊕. Parhelia at sunset.
10	1002.4	1002.0	78.8	77.9	82	75	1.1	1.2	7.8	7.2	86	84	25	2	80	2	10	10	—	3.3	71	∞ a. c. and cold.
11	993.2	987.1	80.8	81.8	83	77	0.6	0.5	9.8	10.5	93	93	100	4	95	6	10 <sup>0</sup>	10	4.6	0.8	77	c., with occasional •.
12	981.7	980.3	80.7	80.1	83	80	0.4	0.4	9.8	9.4	94	94	110	8	80	3	10	9	5.1	1.1	79	g., with •.
13	988.6	980.3	80.8	81.6	83	80	0.2	0.2	10.3	10.8	97	98	90	4	120	2	8	10 <sup>0</sup>	3.0	0.2	78	• showers ∞ a. o. ≡ most
14	988.1	980.3	82.7	80.3	86	80	0.8	0.8	10.7	9.0	90	89	230	4	160	2	9	10 <sup>0</sup>	2.3	1.7	81	c. to o. Drizzling •.
15	979.3	978.0	80.2	82.3	85	79	0.1	0.4	10.0	10.9	99	94	—	1	—	1	10 <sup>0</sup>	10	7.4	0.2	78	g. a. • showers. Dull n.
16	987.8	1005.1	80.8	76.8	84	76	0.3	1.0	10.1	6.9	97	86	320	3	290	2	9	2	0.3	5.8	79	g., with • a., then fine.
17	1011.5	1012.2	80.3	77.2	83	73	2.0	1.4	7.5	6.6	75	80	—	1	195	2	3	0	—	5.4	70	Fine a. c. afternoon.
18	1008.8	1003.0	81.2	81.1	85	77	3.1	0.4	6.9	7.4	86	95	180	5	170	7	10	10	1.0	1.5	74	c. ⊕.
19	1001.3	992.2	81.8	79.1	84	77	1.2	1.6	9.5	7.5	85	80	130	3	210	9	9	4	13.7	4.1	74	c., with •.
20	993.2	1008.4	76.8	77.9	85	76	0.3	0.8	7.6	7.5	96	88	60	5	300	5	10 <sup>0</sup>	5	0.5	3.6	75	Cold, with • a. • afternoon.
21	1016.6	1017.3	82.3	78.8	86	76	2.2	1.2	8.6	7.6	74	83	310	4	—	1	3	10	8.1	9.7	79	Fine a. • showers. ▲ Fine
22	1007.1	1018.6	82.6	79.1	86	79	0.6	0.5	10.9	8.7	93	93	170	4	20	3	10	4	0.3	0.2	74	• early. c. •.
23	1022.7	1019.3	81.6	83.7	85	75	1.2	0.3	9.3	12.3	84	96	—	1	210	5	10	10	1.5	0.6	70	o. ⊕. Drizzling. • at times
24	1015.9	1014.5	83.9	81.1	88	81	0.3	0.1	12.4	9.2	96	86	230	5	260	4	10 <sup>0</sup>	4	0.8	2.3	83	g., with drizzling. • Fine after
25	1013.9	1013.9	81.7	80.7	85	79	2.1	0.6	8.3	9.8	75	94	270	4	290	4	6	10	2.8	6.1	77	Cold, with •.
26	1020.0	1014.2	81.9	79.8	86	79	1.7	0.4	8.9	9.2	79	94	325	3	280	3	8	10	11.2	3.0	77	c. • most of afternoon.
27	1004.0	1004.7	80.1	77.4	85	77	0.7	0.7	9.0	7.4	90	90	310	3	345	3	8	6	0.5	7.0	79	• n. Fine to • showers. Fine
28	1004.7	1008.4	81.3	76.6	85	75	2.3	0.7	7.8	7.1	73	90	310	4	350	3	3	1	0.5	7.5	72	Fine a. • showers after noon.
29	1010.8	1012.2	80.2	76.9	85	74	1.3	0.9	8.3	7.0	83	87	290	2	—	1	4	2	2.5	10.2	70	Fine to • showers. ▲ 17 h.
30	1011.8	1012.2	80.1	77.2	84	78	2.1	1.1	7.3	6.9	72	84	—	1	—	1	2	1	1.0	9.5	60	Fine. •
Mean	1004.2	1004.9	80.5	79.0	83.9	76.6	1.1	0.8	8.8	8.3	86	89	2.9	2.9	7.6	6.9	73.4	3.47	74.5			
Mean Pressure at Station Level.	996.5	997.1																				

DUBLIN (PHŒNIX PARK), a.c.—APRIL 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 47.3$  m.; Barometer,  $H_b = 48.5$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $53^\circ 22' N$ . Long.  $6^\circ 21' W$ . Time, Local mean time, 25 m. after Greenwich.

1	997'9	1003'7	79'2	79'6	81	77	0'4	1'4	8'8	7'8	94	80	45	1	45	3	10	6	1'8	0'1	74	0., with 0° p.	
2	1004'4	1006'8	79'0	79'0	n 80	78	1'0	0'6	8'1	8'5	86	92	360	2	—	0	100°	9	2'4	—	73	0., with 0° n.	
3	1010'8	1011'2	79'1	80'3	81	77	0'7	1'2	8'5	8'0	84	—	0	—	0	100°	7	0'9	—	71	0., with 0°.		
4	1012'8	1012'8	80'4	80'7	84	79	1'2	0'9	8'5	9'1	84	89	45	2	—	0	8	7	—	1'9	71	c.	
5	1014'2	1014'9	80'9	79'7	83	78	1'7	0'6	8'5	9'1	78	92	315	1	—	0	8	9	—	—	74	0.	
6	1014'9	1010'8	82'5	80'2	86	73	2'3	1'5	8'5	8'1	72	81	—	0	225	2	8	7	3'1	1'6	n 66	0.	
7	1005'1	1006'8	81'3	79'2	85	79	0'9	1'2	9'5	7'8	88	82	315	3	—	0	8	7	—	4'3	75	0.² showers a.	
8	1006'8	1000'0	78'7	76'5	n 80	71	1'8	0'7	6'8	7'1	76	90	45	2	45	2	8	9	3'3	0'2	67	0. 0° 16 h. 30 m.	
9	1001'3	1003'3	78'8	79'1	n 80	76	0'8	1'7	8'1	7'1	89	77	90	3	—	0	100°	10	2'10	—	72	0. 0° 15 h.	
10	1001'7	1001'7	77'4	78'6	81	76	0'1	1'0	8'5	7'8	99	86	90	1	—	0	100°	9	0'0	2'9	1'4	72	0.² a. c. 0° p.
11	991'9	986'8	81'3	81'0	84	78	0'5	0'7	10'2	9'8	94	91	180	2	135	4	100°	8	8'6	—	72	0., with 0°.	
12	980'3	978'6	82'8	81'8	85	80	1'0	1'1	10'5	9'8	88	86	180	4	135	5	90°	9	0'0	2'3	3'6	74	0.² a. c.
13	976'3	981'7	81'9	81'7	85	80	0'4	0'9	10'5	9'8	94	89	135	3	225	6	100°	9	0'2	3'3	0'2	76	0., with 0°.
14	990'8	987'5	83'7	79'4	86	79	1'5	0'9	10'5	8'5	82	87	270	1	270	1	7	10	2'2	5'8	2'7	75	c. 0° 10 h. —midnight.
15	978'6	977'3	85'3	86'6	x 87	79	1'6	2'4	11'5	11'5	80	74	225	1	—	0	7	8	2'3	2'0	74	c. 0°² showers n.	
16	989'1	1004'7	82'9	79'6	x 87	79	1'5	2'1	9'8	7'1	82	73	315	2	—	0	8	6	1'5	1'4	73	c. 0°² showers n.	
17	1011'5	1012'2	81'4	78'0	85	n 70	3'8	1'6	6'1	6'8	n 57	78	270	1	—	0	2	3	—	9'3	n 66	Fine.	
18	1009'1	1004'4	83'6	82'4	84	71	3'8	1'6	7'4	9'5	59	81	225	2	225	4	7	6	2'1	1'9	n 66	c. 0° n.	
19	1001'7	995'6	82'9	79'7	85	76	3'2	2'1	7'8	7'1	84	72	225	3	225	5	8	5	0'8	3'5	71	c. 0°² showers n.	
20	987'8	1008'8	78'8	77'9	84	76	1'3	1'0	7'4	7'4	83	86	315	4	315	5	9	3	1'5	3'6	71	c. 0°² showers n.	
21	1017'3	1018'6	82'5	79'8	86	76	2'8	1'2	8'1	8'1	68	83	315	4	—	0	6	9	1'1	10'2	71	Fine. 0°² showers p.	
22	1008'1	1016'6	85'2	82'4	x 87	77	1'6	1'6	11'5	9'5	81	80	270	4	—	0	8	10	0'3	2'9	72	c. 0° 7 h. —8 h. 0°² showers 18 h.	
23	1023'3	1021'0	81'9	84'7	x 87	73	1'9	0'7	8'8	12'5	77	91	—	0	270	3	10	10	3'3	2'3	68	c.	
24	1018'3	1017'6	84'8	83'4	86	x 83	0'7	2'4	12'5	9'1	91	72	270	4	315	5	100°	3	0'9	1'4	79	c. 0°² n.	
25	1016'2	1015'9	83'6	81'6	86	79	3'2	1'4	8'1	9'1	64	83	315	4	315	5	6	7	0'6	9'5	74	Fine. 0°² showers n.	
26	1020'3	1016'9	83'6	80'8	86	80	2'2	1'1	9'5	9'1	74	87	315	3	315	3	6	7	0'7	6'5	74	Fine. 0°² 20 h.	
27	1005'4	1005'7	80'3	81'1	86	79	0'6	1'6	9'1	8'5	91	81	315	2	315	2	9	2	0'6	7'1	76	Fine. 0° 0° 11 h. 0°² showers n.	
28	1006'1	1008'1	81'4	78'3	85	75	2'6	0'8	7'4	7'8	69	89	315	2	315	2	7	4	—	8'3	70	Fine.	
29	1011'2	1011'8	82'5	78'4	84	73	2'8	1'1	7'8	7'8	67	86	315	1	315	3	7	7	1'3	9'0	69	Fine. 0°²▲ showers 13 h. 45 m.	
30	1012'8	1011'8	81'8	79'7	84	73	2'9	1'6	7'4	7'8	66	77	315	1	—	0	6	3	2'2	11'3	68	Fine. [13 h. 55 m.]	
Mean	1004'2	1005'2	81'7	80'4	84'3	76'8	1'7	1'3	8'9	8'6	80	83	2'2	2'0	8'1	7'0	68'2	3'53	7'19				
Mean Pressure at Station Level.	998'3	999'3																					

z denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON, 1890.

$x$  denotes the maximum and  $n$  the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
June 21st, 1920.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920. [Price Sixpence.]

DEERNESS, ORKNEY, a.b.c.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 48.8$  m.; Barometer,  $H_b = 50.3$  m. Heights above Ground:—Therm.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 1.2$  m. Cups of Anemometer,  $h_a = 4.9$  m. Lat.  $58^\circ 56'$  N. Long.  $2^\circ 45'$  W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.				Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	Dry Bulb.			Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.	9 h.	21 h.				
			9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		a.	a.	a.	millibar.						m/s.		Tenths of Sky covered.		mm.	hr.	a.			
			200+	200+	200+													200+			
1	1010.1	1010.8	79.2	78.2	n 80	1.3	1.5	7.6	7.0	81	80	350	4	90	4	7	7	0.6	7.6	Fine. ☉. ☽. ☼	
2	999.6	986.4	77.7	80.0	n 80	0.9	0.6	7.3	9.2	87	93	90	13	110	6	10	7	5.6	—	☉. ☽. ☼ 16 h. ☼	
3	981.0	996.9	81.6	77.8	82	1.0	1.1	9.7	7.2	87	85	160	10	290	6	9	3	3.5	1.6	☉. ☽. ☼ showers	
4	1016.2	1028.8	77.5	76.8	n 80	0.7	1.2	7.6	6.5	91	83	310	15	—	1	6	2	—	10.6	☉. ☽. ☼ 2 h. Very fine.	
5	1021.0	1011.5	79.4	80.0	82	1.6	1.0	8.3	10.0	86	100	160	11	190	2	10	7	12.3	1.3	☉. ☽. ☼ Cloudy. ☉.	
6	1005.4	1001.3	81.1	81.1	85	0.8	0.1	1.1	10.6	9.1	89	86	170	5	170	2	10	6	5.2	2.5	☉. ☽. ☼ Much ☉. ☽. ☼
7	1000.3	1008.1	82.2	78.9	83	1.8	1.1	2.1	9.9	6.7	86	73	250	11	280	7	7	3.7	5.7	☉. ☽. ☼ showers. ☉. ☽. ☼	
8	1011.8	1007.1	80.2	80.0	82	1.6	1.5	0.7	8.1	9.0	80	91	250	7	170	7	7	8.2	9.5	Bright. ☉. ☽. ☼ evening.	
9	1012.5	1018.3	80.9	78.6	82	1.6	1.9	0.8	8.1	8.0	76	88	260	8	270	3	7	0.4	14.1	Fine day.	
10	1022.0	1022.7	81.1	79.5	84	1.7	0.6	8.5	8.8	79	91	250	6	190	3	7	9	0.2	10.0	Fine day.	
11	1020.6	1014.5	83.6	80.8	85	1.8	0.8	9.9	9.4	79	90	190	4	120	7	1	10	0.4	12.8	Fine day. Gloomy evening.	
12	1002.0	998.3	80.5	80.6	82	0.8	0.9	0.6	9.1	9.6	88	93	120	13	230	2	10	1.1	0.1	Dull. ☉. ☽. ☼	
13	990.8	1001.7	79.9	78.6	82	0.9	0.3	9.1	8.7	91	81	160	12	270	9	10	10	8.4	4.5	☉. ☽. ☼ Fair to fine generally.	
14	1014.5	1023.7	80.7	78.1	82	1.5	0.9	8.4	7.5	81	86	290	15	—	0	8	2	—	1.7	Fine day.	
15	1023.7	1021.3	82.8	80.0	83	1.7	0.8	0.4	10.7	9.3	90	94	150	4	130	6	4	10	11.8	Fair to fine generally.	
16	1017.3	1011.8	80.0	79.2	82	0.3	0.8	9.5	8.4	85	89	130	7	130	10	10	10	5.6	—	Fine day.	
17	1005.1	993.5	80.0	80.6	81	0.9	0.6	8.8	9.6	88	93	130	10	110	9	10	10	3.0	0.1	Dull. ☉. ☽. ☼ Fair to fine. ☉. ☽. ☼ at times.	
18	986.1	980.7	82.3	80.6	84	0.8	1.0	0.6	10.2	9.6	87	93	180	9	150	8	7	3	1.4	9.4	Dull. ☉. ☽. ☼ showers.
19	986.8	1001.0	83.3	80.6	84	0.8	1.6	1.7	10.0	8.1	81	79	260	6	240	11	9	10	—	4.7	☉. ☽. ☼ early. Fine later.
20	1013.5	1016.9	82.4	81.2	85	1.7	0.7	8.0	9.8	68	91	220	9	160	4	1	10	0.5	10.0	☉. ☽. ☼ 1 h. Fair to fine. Fine and bright.	
21	1016.9	1012.8	82.7	81.4	85	0.8	0.9	9.8	9.7	83	89	180	7	170	6	8	10	2.0	1.3	☉. ☽. ☼ showers.	
22	1014.5	1019.6	82.9	81.7	85	0.9	1.1	0.7	10.4	10.1	87	91	190	4	—	1	8	10	—	5.9	☉. ☽. ☼ early. Fine day.
23	1019.3	1021.7	86.6	83.9	80	1.4	1.3	12.9	10.9	84	85	200	6	—	0	8	2	—	3.3	Dull at first. ☉. ☽. ☼ Fine later.	
24	1021.7	1020.6	87.0	82.2	89	2.2	0.4	12.0	11.0	75	95	150	2	100	5	6	10	—	11.3	Very fine. ☉. ☽. ☼ evening.	
25	1021.3	1023.0	85.6	82.0	87	1.6	3.7	11.9	6.7	82	89	80	6	70	8	2	4	—	15.2	Very fine. ☉. ☽. ☼	
26	1021.7	1020.0	83.8	82.8	85	1.1	0.6	11.1	11.2	87	93	60	8	110	4	0	1	—	15.6	Very fine. ☉. ☽. ☼	
27	1017.6	1014.5	83.9	82.9	85	0.2	0.2	12.6	11.9	97	98	120	8	120	9	10	10	8.8	—	☉. ☽. ☼ at times all day. ☉. ☽. ☼ 22 h.	
28	1012.5	1016.2	82.8	81.4	84	0.1	0.5	12.0	10.3	99	93	140	2	300	6	10	10	11.0	—	☉. ☽. ☼	
29	1017.6	1015.6	83.0	82.4	84	0.1	1.7	1.4	9.7	9.7	80	83	—	1	100	4	9	10	5.7	4.4	Fair to fine. ☉. ☽. ☼ 23 h.
30	1009.1	1016.9	81.8	81.1	82	0.1	0.2	0.7	11.0	9.7	98	91	40	5	290	10	10	10	3.3	—	☉. ☽. ☼ showers all day.
31	1011.5	1013.5	83.3	81.8	85	0.8	1.1	1.7	10.8	8.9	86	80	250	8	270	7	10	9	1.1	2.0	Passing showers.
Mean	1010.5	1011.3	81.9	80.5	83.6	1.1	0.9	9.8	9.1	86	88	—	7.6	5.4	7.5	—	7.4	86.4	5.89	—	—
(Mean Pressure at station level.)	1004.3	1005.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ABERDEEN, a.c.e.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 14.0$  m.; Barometer,  $H_b = 26.8$  m. Heights above Ground:—Therm.,  $h_t = 12.5$  m.  
Rain-gauge,  $h_r = 0.61$  m. Cups of Anemometer,  $h_a = 22.9$  m. Lat.  $57^{\circ} 10' N$ . Long.  $2^{\circ} 6' W$ . Time, Greenwich mean time.

[illegible]

Corresponding Normal Values are referred to thus:—a. Appendix IV, "Weekly Weather Report," 1913; b. Appendix I, "Meteorological Observations at Stations of the Second Order," 1891; c. "Temperature Tables of the British Islands," 1871-1900; d. "Rainfall Tables of the British Islands," Part I, 1866-1880. Part II, 1881-1890; e. "Hourly Values," *Geophysical Section*, 1912.



## FORT WILLIAM, INVERNESS-SHIRE, a.c.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=52.1 m.; Barometer, H<sub>b</sub>=11.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.				Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
			Dry Bulb. Max. Min..			Depression of Wet Bulb.		Vapour Pressure.		Percent-age.		Veer from North and Force or Speed.								
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
	millibar.		a.	a.	a.	a.	millibar.		%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.		a.		
1	1011.5	1004.7	80.1	80.2	86	77.2	2.8	3.9	6.6	5.6	66	55	0	135	7	4	10	Fine and sunny. ☉. q. evening.		
2	987.8	980.3	80.8	81.5	89	77	2.2	1.7	7.6	8.6	73	78	45	5	0	100	100	Fresh ☼ on hills. ☉. Clearing [12 h.]		
3	986.4	1008.1	80.8	78.7	83	78	0.7	1.8	9.6	6.9	92	76	270	2	270	3	100	100	Dull and showery.	
4	1023.0	1029.8	80.2	78.6	84	77	2.6	1.7	6.9	7.0	68	77	270	1	225	1	9	6	Fine and sunny.	
5	1021.0	1016.2	80.8	83.0	84	77	0.6	0.7	9.7	11.1	93	92	225	3	225	3	100	100	☉ showers.	
6	1007.8	1004.4	82.8	81.3	86	81	0.9	0.7	10.6	9.9	89	92	225	3	225	2	100	100	☉ showers. Sunny intervals.	
7	1006.4	1014.2	81.0	77.8	84	77	1.9	1.5	8.1	6.8	77	79	270	4	225	2	100	10	Alternate sun and shower.	
8	1014.2	1009.5	78.6	78.7	84	75	1.2	0.8	7.5	8.0	84	89	225	2	270	2	10	100	7.6	Alternate sun and shower.
9	1016.2	1021.3	80.9	79.2	85	75	1.8	1.8	8.1	7.2	77	77	225	3	225	1	5	5	3.3	Generally fair to fine.
10	1024.4	1023.3	83.6	80.2	85	77	2.8	1.7	8.7	7.8	68	77	225	3	—	0	7	10	1.5	Generally fair to fine.
11	1020.0	1010.1	82.5	81.9	87	78	2.3	0.6	8.6	10.4	72	92	—	0	—	0	100	10	—	Dull. ∞. Showers evening
12	997.3	1000.7	84.1	80.7	85	80	1.4	1.6	10.9	8.3	83	80	—	0	225	2	100	100	16.3	☉ all day.
13	999.0	1015.9	79.1	78.6	82	78	0.9	1.2	8.1	7.4	86	84	225	5	225	4	100	9	9.1	☉. ☉ all day.
14	1021.0	1024.4	83.0	81.3	86	78	3.3	0.6	7.6	10.1	63	93	315	2	225	1	7	10	—	Fair to fine. Hill ≡ p.
15	1023.0	1018.6	86.6	85.2	92	80	3.1	1.7	10.5	11.3	67	80	270	2	—	0	2	2	—	Bright sun all day.
16	1013.9	1008.1	85.7	85.2	89	81	1.8	3.9	11.5	8.4	79	59	—	0	135	3	100	100	0.3	Cloudy. ∞
17	1002.0	987.8	81.7	82.4	85	80	2.1	1.7	8.3	9.3	75	79	—	0	—	0	10	100	11.9	Dull. ☉ after 17 h.
18	985.4	982.4	81.2	80.2	84	80	1.5	0.6	8.7	9.3	81	92	225	4	225	3	100	100	9.7	☉. ☉ all day.
19	993.2	1007.4	81.5	80.2	85	80	1.8	1.6	8.5	8.0	77	79	270	5	225	3	100	100	3.6	Showery. Sunny intervals.
20	1014.5	1018.3	81.3	81.9	85	79	1.6	1.6	8.7	9.0	80	80	225	4	225	3	90	10	0.8	☉ showers all day.
21	1017.3	1014.9	83.6	82.0	84	81	2.8	0.2	8.6	11.2	68	98	225	4	225	3	10	100	27.4	Generally showery. ☉ evening
22	1013.9	1021.3	82.4	83.6	87	79	0.2	0.3	11.5	12.2	97	97	225	3	225	3	100	100	2.0	Generally fair. ☉ at times.
23	1023.0	1022.3	84.1	85.8	91	83	1.1	1.1	11.4	12.7	86	87	225	4	—	0	6	10	—	Fair to fine.
24	1019.6	1015.9	89.7	90.9	98	81	2.8	4.2	13.5	12.5	72	61	—	0	—	0	10	3	—	Very fine and bright.
25	1015.2	1015.6	94.7	91.9	99	84	6.7	4.3	12.2	13.2	74	61	180	3	—	0	0	2	—	Very fine and bright.
26	1017.3	1016.2	88.6	88.0	95	84	2.8	1.7	12.5	13.7	71	82	45	2	—	0	2	9	—	Very fine. Evening dull.
27	1014.2	1013.9	86.9	83.6	90	84	1.1	0.2	13.7	12.5	87	98	—	0	270	2	100	100	8.4	Dull. ∞. ☉. ☉ after 11 h.
28	1012.5	1015.2	83.1	83.3	85	83	0.1	0.9	12.2	10.9	99	89	225	2	—	0	100	100	0.5	☉. ☉ evening fair.
29	1015.6	1011.8	87.3	84.5	91	82	2.7	1.7	11.6	10.8	72	80	—	0	45	2	8	8	0.3	Fine and sunny.
30	1008.8	1010.5	82.4	83.2	89	81	0.4	1.3	11.0	10.4	84	84	—	0	—	0	100	100	1.8	Generally fair to fine.
31	1015.9	1017.6	84.1	83.6	85	81	1.7	1.1	10.5	10.9	80	86	225	2	225	3	100	100	3.0	Dull and showery.
Mean	1011.0	1011.6	83.3	82.5	87.2	79.5	1.9	1.6	9.8	9.7	78	82	2.2	1.7	8.4	8.7	170.2			
Mean Pressure at Station Level.	1009.5	1010.1																		

## DOUGLAS, ISLE OF MAN, a.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=84.5 m.; Barometer, H<sub>b</sub>=86.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1010.5	1000.0	79.1	80.2	n 81	77	1.1	0.0	7.8	10.2	84	100	90	3	90	6	8	10.0	216.8	—	n 72	☉ early. o. ☉ 11 h. ☉ from	
2	990.2	987.8	81.9	81.3	84	79	0.2	1.7	11.2	8.5	97	79	135	3	225	6	10	8	5.0	77	☉. o. to fine, then c. q.		
3	998.6	1015.2	80.2	78.6	83	78	1.2	1.1	8.5	7.8	84	85	247	10	293	3	10	3	0.5	2.7	75	☉. o.	
4	1025.4	1032.5	79.4	79.5	83	77	1.9	0.9	7.1	8.5	74	86	293	3	225	1	4	8	12.7	11.8	75	Fine but q.	
5	1027.7	1022.0	81.3	81.3	82	79	0.0	0.0	10.8	10.8	100	100	203	3	225	4	10.0	10.0	9.7	—	76	☉. o. to c.	
6	1014.5	1010.1	81.9	81.9	86	81	0.0	1.1	11.5	9.8	100	86	225	2	247	4	10.0	8	4.8	3.0	80	☉. o. to c.	
7	1012.2	1018.9	81.3	78.0	84	78	1.7	1.1	8.5	7.4	79	84	270	6	270	2	3	2	0.5	8.4	78	☉ showers a. Fine. ☉ p.	
8	1018.3	1013.9	79.3	79.1	84	77	0.7	0.3	8.5	9.1	90	96	247	2	270	3	4	2	2.3	4.8	73	☉ a. c. ☉ showers p.	
9	1021.2	1024.0	81.9	80.2	85	77	2.8	1.1	7.4	8.5	67	85	293	3	247	1	8	2	0.5	10.4	74	Fine.	
10	1026.4	1024.4	81.9	80.5	85	n 76	1.7	0.8	8.8	9.1	79	89	113	1	67	1	8	4	—	9.8	n 72	☉ early. Fine. ☉ p. ☉ 23 h. ☉ 15 h.	
11	1020.3	1009.5	82.4	83.0	85	80	1.1	0.8	10.2	10.8	86	90	90	2	67	3	8	10	11.4	0.3	77	☉ a. c. to o. ☉ 13 h. ☉ 15 h.	
12	1001.7	1006.4	82.4	80.8	85	81	0.3	0.3	11.5	10.2	97	97	225	3	247	1	10.0	8	0.5	1.7	80	☉ a. c. afternoon.	
13	1011.2	1020.3	81.3	81.1	85	79	1.7	1.4	8.5	8.8	79	82	270	6	270	4	8	6	0.8	8.4	75	Fine but q.	
14	1023.3	1026.7	81.9	82.4	87	80	1.1	0.6	9.8	10.8	86	93	293	2	270	1	8	0	—	2.3	78	☉. o.	
15	1025.0	1018.3	81.9	87.2	90	80	0.6	3.1	10.5	10.8	93	68	67	1	113	1	10.0	10	—	10.0	77	☉ 8 h. Fine after 9 h.	
16	1013.9	1009.1	83.0	81.9	89	80	1.8	0.6	9.5	10.5	79	93	90	3	90	2	8	10	2.8	2.7	80	Dull and c.	
17	1006.4	993.9	81.9	81.9	82	81	0.0	0.6	11.5	10.5	100	93	203	1	225	6	10.0	6	7.6	0.2	80	☉ till 16 h.	
18	992.5	989.8	82.4	81.3	84	80	1.7	0.6	9.5	10.2	79	93	203	6	247	8	6	10.0	9.9	4.1	78	☉. q.	
19	1000.0	1013.5	81.9	80.8	86	80	0.6	1.1	10.5	9.1	93	86	247	6	247	2	10.0	2	0.8	2.8	79	☉. q. ☉ showers p.	
20	1019.6	1022.0	82.4	81.9	85	78	1.4	0.8	9.8	10.2	83	90	225	3	225	1	6	10	—	12.8	74	Very fine till 19 h.	
21	1022.7	1021.7	83.0	82.4	84	81	1.1	1.1	10.5	10.2	86	86	225	2	225	5	10	10	—	0.6	78	Dull and c. q. from 11 h.	
22	1023.7	1027.7	83.6	82.4	87	82	0.6	0.0	11.9	11.9	93	100	225	6	247	2	10	10.0	0.8	3.4	81	Dull and q. Fine. ☉ after 15 h.	
23	1027.4	1022.7	82.1	85.2	87	81	0.0	0.6	11.5	13.2	100	93	225	1	—	0	10.0	—	0.3	4.7	81	☉. o. Fine after 15 h.	
24	1018.9	1013.9	88.6	90.2	95	81	5.6	5.6	8.8	9.8	50	51	67	2	90	3	0	3	—	14.1	80	Dull a. Very fine.	
25	1013.2	1013.9	90.8	91.3	96	87	3.3	2.6	13.5	15.6	67	75	45	2	67	2	8	8	—	9.8	81	Fine. ☉ 19 h.	
26	1015.6	1016.2	88.6	86.3	92	86	1.7	0.6	14.2	14.2	82	93	113	1	270	1	10	10.0	1.3	1.3	86	Dull and c.	
27	1015.6	1014.9	85.2	82.7	89	83	0.0	0.3	14.2	11.5	100	96	293	1	247	1	10.0	10.0	1.3	1.1	83	☉ a. c. ☉ 19 h.	
28	1014.2	1016.6	85.8	83.6	89	83	0.6	0.6	13.5	11.9	93	93	225	1	67	1	10	—	—	2.8	81	☉. o.	
29	1014.5	1009.5	86.9	84.7	90	81	3.3	0.6	10.2	12.5	65	93	45	3	45	3	2	8	0.3	5.6	79	Dull a. Fine to c.	
30	1012.8	1014.9	84.1	83.6	88	82	1.7	1.7	10.5	10.2	80	80	270	5	270	4	4	10	0.8	6.3	78	☉. Fine.	
31	1020.6	1022.7	82.7	85.5	88	82	1.4	0.3	9.8	13.9	83	96	270	5	270	4	8	10	3.6	—	80	☉. q. ☉ 13 h. - 17 h.	
Mean	1014.8	1014.6	82.9	82.6	86.4	80.3	1.3	1.0	10.4	10.5	85	88	3.2	2.8	7.8	6.7	90.0	4.8	78.1				
Mean Pressure at Station Level.	1004.2	1004.0																					

z denotes the maximum and n the minimum value in the column.

Temperatures at or below the normal freezing-point of water are printed in small type.

α denotes the maximum and n the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

## BIRMINGHAM (EDGBASTON) a.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=160.0 m.; Barometer, H<sub>b</sub>=165.2 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.5 m. Lat. 52° 28' N. Long. 1° 54' W. Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.			Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.
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## ARMAGH, a.c.d.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 62.2 m.; Barometer, H<sub>b</sub> = 63.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Cups of Anemometer, h<sub>a</sub> = 15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
			Dry Bulb.			Depression of Wet Bulb.	Vapour Pressure.		Percentage.	Veer from North and Force or Speed.										
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.		9 h.	21 h.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
		millibar.	a.	a.	a.	a.			millibar.	%	%	m/s.		Tenths of Sky covered.		mm.	hr.	a.		
			200+	200+	200+	200+												200+		
1	1009.1	995.9	80.6	80.2	81.1	7.4	0.1	8.4	9.9	81	98	—	1	90	3	100	10	—	● all day. ● 2 n. [afternoon.	
2	985.1	981.7	84.4	79.8	87	7.9	2.0	0.8	10.3	8.8	76	89	205	7	220	11	8	10	g. a. Fine. Violent squalls. ● after.	
3	1000.7	1017.6	79.3	77.3	84	7.7	0.6	1.2	8.8	6.9	82	25.0	6	290	4	6	2	1.3	Violent ● squalls a. ● after.	
4	1028.1	1030.5	82.1	81.3	86	7.5	3.5	2.1	7.0	8.0	86	75	285	3	190	2	4	10	Fine. o. n.	
5	1022.3	1018.3	85.6	84.5	89	8.0	1.3	0.3	12.3	13.0	85	96	210	6	200	5	10	10	c. and warm.	
6	1010.8	1009.8	84.7	81.8	89	8.1	0.8	1.1	12.2	9.6	90	86	210	5	240	4	10	10	● showers a. Fine afternoon.	
7	1013.9	1019.3	81.9	77.7	85	7.7	1.8	0.9	8.8	7.3	77	87	265	3	290	3	6	0	● showers a. c. and cold.	
8	1015.9	1015.6	81.7	79.1	85	7.6	1.8	1.1	8.7	7.9	79	85	220	4	280	2	5	4	Fine and cool. ● after.	
9	1021.0	1025.0	81.8	79.5	86	7.5	1.8	1.4	8.7	7.7	78	80	230	2	285	2	5	4	● showers a. Fine.	
10	1025.7	1023.3	83.8	81.9	87	7.5	3.4	2.1	8.1	8.5	63	74	—	1	170	2	4	10	Fine a. o. from 14 h.	
11	1017.6	1004.4	83.9	83.9	86	8.0	1.7	1.2	10.4	11.1	80	86	135	2	—	1	10	10	● all day.	
12	999.6	1003.4	83.7	80.1	87	8.0	0.8	2.0	11.6	7.4	90	74	220	5	218	4	10	1	g. a. Fine afternoon.	
13	1013.2	1020.6	82.4	80.9	86	7.9	2.3	1.2	8.5	8.9	72	85	280	5	265	3	3	10	q. ● showers a. ● showers after.	
14	1024.0	1025.7	83.4	83.6	88	8.0	0.1	0.9	12.4	11.3	99	88	—	1	—	1	10	1	≡ early. Fine afternoon.	
15	1022.7	1017.6	89.1	85.7	92	7.9	2.3	1.6	13.7	11.9	77	82	—	1	—	1	0	8	Fine and warm.	
16	1012.8	1008.4	82.4	81.8	86	8.2	1.3	0.5	9.8	10.5	84	94	100	2	—	0	10	10	Dull. ● n.	
17	999.0	988.5	84.7	81.3	86	8.1	1.4	0.5	11.4	10.1	83	94	160	3	210	9	9	10	c. Violent ● squalls.	
18	987.8	989.5	82.2	80.7	85	7.9	1.6	0.6	9.3	9.8	81	94	215	6	230	4	10	10	q. Very wet and stormy.	
19	1002.4	1013.9	82.9	79.6	86	8.0	1.2	1.1	10.4	8.3	86	85	27.0	3	275	2	10	2	o. Fine afternoon.	
20	1018.6	1020.6	83.0	82.3	87	7.8	1.8	1.1	9.5	10.0	78	86	220	4	—	1	8	5	c. ● showers afternoon.	
21	1020.0	1019.6	83.6	83.4	84	8.0	1.4	0.3	10.5	12.0	83	96	200	4	210	6	10	10	g. a. ● showers.	
22	1021.0	1025.4	85.1	85.8	88	8.3	0.9	0.8	12.5	13.3	88	90	220	6	220	3	10	9	Dull.	
23	1025.4	1021.7	86.7	85.7	93	8.2	1.4	1.1	13.0	12.7	83	87	210	4	150	2	10	0	81. Fine.	
24	1017.9	1013.5	88.7	88.7	94	7.9	1.4	1.8	14.9	14.2	85	80	—	1	—	1	1	100	—	g. a. Fine and warm. ∞
25	1012.8	1012.8	91.0	90.8	96	8.4	2.7	1.3	15.0	17.5	73	87	90	3	120	2	1	4	100	Very fine. ∞ n.
26	1015.6	1017.3	90.1	86.8	95	8.6	1.2	0.6	16.8	14.7	87	94	—	1	—	1	10	100	0.5	≡ early. c. T after.
27	1015.9	1013.5	85.3	86.4	89	8.5	0.3	0.3	13.7	14.8	97	96	—	1	—	1	10	9	2.5	● o. a. ● afternoon.
28	1014.9	1015.9	84.0	84.6	90	8.3	0.2	0.6	12.8	12.5	98	93	—	0	—	1	10	10	0.5	o.
29	1014.5	1011.5	84.9	83.4	89	8.2	1.2	1.1	11.7	10.8	85	87	60	2	—	1	10	10	0.8	o., with ● showers.
30	1012.2	1016.2	86.2	82.8	89	8.1	2.1	1.4	11.6	10.0	76	83	25.0	2	290	4	4	8	2.0	Fine and cool. ● showers.
31	1020.6	1023.3	82.7	85.7	89	8.1	0.6	0.2	11.0	14.2	93	98	22.5	3	285	2	10	10	2.0	g. a. Damp all day.
Mean	1013.6	1013.5	84.3	82.8	87.8	79.8	1.5	1.0	11.0	10.8	83	87	—	3.1	2.8	7.5	7.1	75.3	5.13	78.0
Mean Pressure at Station Level.	1005.9	1005.8																		

## DUBLIN (PHOENIX PARK), a.c.—MAY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.			Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.							
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.												
1	1008.8	995.2	79.1	80.7	84	7.3	0.7	1.8	8.5	8.1	90	78	135	3	135	4	10.0 <sup>0</sup>	10.0 <sup>0</sup>	7.0	—	71	o., with <sup>0</sup> .	
2	987.8	987.8	85.6	81.1	86	7.5	3.7	2.3	8.8	7.8	86	73	22.5	6	27.0	10	5	7	0.7	6.8	72	Fine. <sup>0</sup> from noon.	
3	1005.7	1018.3	82.9	78.4	84	7.9	2.9	1.5	8.1	7.1	68	80	27.0	8	315	2	7	6	2.0	3.9	74	<sup>0</sup> a. c. <sup>0</sup> 2 showers p.	
4	1028.4	1031.1	81.4	81.8	86	7.5	2.6	3.0	7.4	7.4	70	65	22.5	2	22.5	2	5	9	7.8	7.0	76	Fine.	
5	1025.4	1021.3	85.2	83.7	86	8.0	1.2	0.6	12.2	11.9	85	93	27.0	3	27.0	3	9.0 <sup>0</sup>	10.0 <sup>0</sup>	4.0	—	75	o. <sup>0</sup> 10 h. 15 m.—17 h. 30 m.	
6	1012.8	1011.8	85.8	82.9	90	8.2	1.2	1.8	12.5	9.5	86	78	27.0	4	27.0	3	10.0 <sup>2</sup>	3	1.1	7.3	77	<sup>0</sup> a. Fine.	
7	1015.6	1020.0	83.6	79.6	85	7.9	3.3	1.2	8.1	8.1	64	84	315	3	315	1	5	5	0.6	11.8	74	Fine. <sup>0</sup> 11 h. 30 m.	
8	1017.6	1016.2	82.0	79.5	85	7.6	2.1	1.9	8.5	7.1	75	75	27.0	2	—	0	7.0 <sup>2</sup>	3	5.2	2.2	71	c., with <sup>0</sup> showers.	
9	1022.3	1024.7	84.2	79.6	87	7.5	3.3	0.9	8.5	8.5	64	87	315	1	—	0	6	4	—	9.8	75	Fine.	
10	1026.1	1023.7	83.1	81.9	85	7.4	2.8	1.6	8.5	9.1	68	80	135	1	—	0	9	4	—	1.9	75	o. to c.	
11	1016.6	1005.1	84.6	85.6	86	8.0	3.1	2.6	8.8	10.5	66	72	135	2	135	2	9	8	6.4	—	79	o.	
12	1002.0	1006.4	84.2	80.3	89	8.0	1.1	1.9	11.5	7.8	86	75	27.0	3	—	0	9	3	0.8	5.3	84	<sup>0</sup> 2 a. c.	
13	1016.2	1022.3	83.5	81.3	87	8.0	3.4	1.6	7.8	8.5	86	80	315	3	315	3	9	7	0.4	12.1	79	Fine. <sup>0</sup> 16 h.—19 h. 30 m.	
14	1025.4	1025.4	84.8	84.3	90	8.0	1.8	1.3	10.8	11.2	79	84	315	1	—	0	10	3	—	2.9	75	c.	
15	1022.3	1017.3	87.6	84.7	89	7.6	2.3	1.0	12.2	11.5	75	87	90	1	—	0	2	5	1.1	10.6	72	Fine.	
16	1011.2	1008.8	83.5	81.9	85	8.2	1.4	0.4	10.5	10.5	84	94	—	0	—	0	10.0 <sup>0</sup>	10.0 <sup>2</sup>	0.7	—	78	o., with <sup>0</sup> .	
17	1000.3	993.9	84.6	82.4	88	8.1	1.6	1.0	11.2	10.2	82	87	22.5	1	22.5	6	10	5	2.3	4.5	79	c., with <sup>0</sup> .	
18	990.8	991.9	84.2	82.4	86	8.0	2.9	1.1	8.8	10.2	67	86	27.0	4	22.5	8	6	9.0 <sup>2</sup>	20.5	8.0	78	Fine. <sup>0</sup> 14 h.—15 h.	
19	1004.4	1014.5	83.7	80.2	87	8.0	1.2	1.1	10.8	8.5	86	85	315	3	—	0	10	3	0.8	3.9	77	c., with <sup>0</sup> showers.	
20	1020.3	1021.0	85.2	83.7	89	7.7	2.9	1.6	9.5	10.5	67	81	27.0	2	—	0	6	4	—	8.7	71	<sup>0</sup> showers a. Fine.	
21	1021.7	1021.7	84.1	85.2	89	7.9	2.4	2.1	9.5	10.5	73	76	315	2	315	2	9	5	0.4	6.4	73	o. to fine.	
22	1023.0	1026.1	80.9	87.8	94	8.4	3.4	0.9	12.5	14.9	67	90	315	4	—	0	7	7	0.2	5.9	79	c. <sup>0</sup> showers p.	
23	1025.4	1022.0	88.6	81.1	91	8.1	2.2	0.2	13.5	10.5	76	98	—	0	—	0	6	10	—	9.4	76	Fine.	
24	1017.3	1012.5	85.2	84.4	92	7.6	0.3	0.8	13.5	11.9	97	89	—	0	—	0	7.00	5	0.2	10.0	71	<sup>0</sup> a. Fine.	
25	1012.2	1013.2	80.6	85.8	94	8.0	2.2	0.6	14.6	13.5	77	92	135	2	—	0	2	4	—	11.6	75	Fine.	
26	1016.2	1016.2	88.0	89.1	95	8.0	1.0	1.3	14.9	15.6	89	86	315	1	—	0	10	9	0.8	8.0	75	Fine.	
27	1015.9	1015.6	87.9	87.0	90	8.6	1.0	1.1	14.9	13.9	89	87	—	0	—	0	10.0 <sup>0</sup>	10	0.9	0.1	82	o. <sup>0</sup> 10 h.—16 h.	
28	1015.2	1015.6	85.8	85.7	90	8.3	2.0	1.1	11.5	12.9	77	87	27.0	1	—	0	9	9	—	1.4	80	c. to o.	
29	1013.9	1010.6	85.2	83.6	87	8.3	1.8	0.4	11.2	11.9	78	94	90	1	—	0	9	10.0 <sup>4</sup>	7.5	—	80	o., with <sup>0</sup> .	
30	1013.5	1017.9	86.9	83.3	89	8.2	3.2	1.6	10.5	10.2	66	81	27.0	3	27.0	2	8	7.0 <sup>0</sup>	0.9	6.1	79	Fine. <sup>0</sup> showers.	
31	1022.7	1024.4	85.2	85.9	88	8.1	2.1	0.6	10.8	13.5	75	93	27.0	2	27.0	4	8	10	0.9	—	77	o.	
Mean	1014.7	1014.5	85.0	83.1	88.1	79.3	2.2	1.3	10.7	10.5	76	84	—	2.2	1.7	7.7	—	6.6	60.1	5.35	75.9		
Mean Pressure at Station Level.	1008.9	1008.7																					

$x$  denotes the maximum and  $n$  the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.

x denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
July 13th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—JUNE 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 48.8 m.; Barometer, H<sub>b</sub> = 50.3 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 1.2 m. Cups of Anemometer, h<sub>a</sub> = 4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
			Dry Bulb.				Depression of Wet Bulb.		Vapour Pressure.		Percent-age.	Veer from North and Force or Speed.									
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.				
millibar.		a.	a.	a.	a.			millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.				
1	1014.9	1016.9	83.4	81.7	85	81	1.7	0.6	9.9	10.4	80	93	260	13	260	5	8	10	0.9	1.7	Dull. ● showers.
2	1020.6	1023.3	83.6	81.2	85	81	1.7	0.5	10.0	10.1	79	93	300	6	310	2	9	10	0.9	1.3	Dull. ● p.
3	1024.4	1026.7	81.6	79.8	n 82	80	1.6	1.7	8.9	7.6	81	77	360	4	350	8	10	10	—	0.1	Dull but fair.
4	1027.4	1028.4	80.7	79.4	n 82	79	1.8	1.7	8.1	7.4	77	78	360	8	340	7	10	10	—	0.1	Dull but fair.
5	1027.4	1024.0	79.9	80.1	n 82	78	2.2	1.2	7.2	8.3	72	84	350	7	320	7	10	10	0.9	5.9	Showery.
6	1018.3	1018.6	81.2	79.2	83	79	1.2	1.9	9.1	7.1	84	75	330	12	350	5	10	2	—	2.6	Dull a. Bright p.
7	1019.3	1019.6	82.2	79.6	84	n 77	2.8	2.0	7.8	7.1	67	73	60	3	100	2	9	4	—	9.9	Fine. ⊕ 16 h. Sun pillar 21 h.
8	1020.3	1020.6	83.2	80.8	84	n 77	2.8	1.3	8.4	8.7	68	83	140	4	140	3	4	1	—	15.9	Fine day. ⊕ 14 h. ∞ 21 h.
9	1020.3	1020.6	84.4	81.2	85	80	1.8	0.9	10.5	9.5	78	89	140	2	70	2	1	2	—	16.2	Fine day. o. 22 h.
10	1020.3	1019.3	81.4	80.9	83	80	1.7	1.9	8.7	8.1	79	77	90	6	110	6	10	10	—	0.8	o. all day.
11	1018.6	1019.3	81.7	82.2	84	80	1.9	1.3	8.4	9.7	76	83	100	7	110	6	10	10	—	1.1	o. most of day. ☁ 22 h.
12	1020.6	1021.7	83.9	81.6	85	80	1.4	0.5	10.8	10.4	83	93	100	8	90	4	3	1	—	13.1	Very fine. ∞ at times.
13	1021.7	1023.0	85.0	83.5	87	80	1.4	0.7	11.5	11.6	82	92	80	9	100	3	0	3	—	15.1	Very fine. ∞
14	1026.1	1025.7	88.7	83.8	89	82	3.9	0.6	11.0	12.0	n 62	93	90	5	100	3	0	0	—	17.1	Very fine. ⊕ 20 h.
15	1025.4	1023.3	88.9	84.2	89	83	2.8	1.4	12.8	10.9	72	83	100	4	70	4	0	0	—	16.8	Very fine.
16	1020.3	1018.9	87.3	83.7	88	81	2.3	0.6	12.2	11.9	76	93	70	7	90	3	0	1	—	16.1	Very fine. ≡ 22 h.
17	1018.6	1017.3	86.4	84.7	88	81	1.4	0.7	12.8	12.5	84	92	150	4	120	4	7	2	—	16.2	Very fine. ⊕ 9 h.
18	1015.2	1012.8	87.2	84.3	x 90	x 84	1.5	1.0	13.3	11.7	83	88	150	5	150	4	0	3	—	15.7	Very fine.
19	1011.8	1007.4	86.8	85.0	88	83	1.7	0.7	12.6	12.7	81	91	140	7	130	11	1	4	—	14.9	Fine. ∞
20	1002.4	999.0	84.6	83.6	86	83	0.7	0.2	12.4	12.3	92	97	140	14	170	5	10	3	2.4	0.7	≡ ●
21	1008.8	1017.3	87.3	84.6	x 90	82	1.9	1.3	12.9	11.5	79	85	180	8	—	1	6	9	0.3	9.0	Bright.
22	1020.0	1012.8	86.7	85.1	x 90	83	1.9	1.1	12.2	12.2	78	88	140	4	180	8	1	10	0.8	8.7	Fine a. Cloudy p.
23	1016.6	1021.3	85.2	83.1	86	83	0.5	1.7	13.2	9.7	94	80	270	17	270	9	7	9	0.6	12.7	Fine day. q.
24	1020.3	1016.6	83.2	82.8	86	81	0.4	0.5	11.7	11.3	94	94	260	7	170	4	10	10	0.1	—	Dull. ●.
25	1012.5	1015.8	84.1	83.0	87	82	0.5	0.9	12.3	10.7	94	88	100	4	290	5	10	3	—	1.0	Dull but fair.
26	1013.9	1015.2	84.8	83.3	87	82	2.2	1.1	10.3	10.8	75	86	260	6	290	3	9	6	—	0.1	Dull but fair.
27	1013.9	1010.5	83.8	83.9	87	82	1.4	1.1	10.6	11.2	83	86	240	2	110	5	10	10	2.1	5.3	Fine. ∞ 22 h.
28	1005.9	1001.7	84.4	83.9	88	83	0.6	0.3	12.5	12.4	93	96	130	9	170	6	10	7	0.2	—	●° early. Dull.
29	1000.7	995.2	84.4	83.9	86	81	1.6	1.1	10.9	11.2	81	86	140	6	170	6	10	9	0	3.7	Fair to fine.
30	995.2	1005.1	82.2	82.8	88	83	2.8	1.1	9.8	10.4	69	86	210	10	270	3	9	9	1.1	11.1	Mostly fine. ●° showers.
Mean	1016.7	1016.5	84.4	82.6	86.1	81.0	1.7	1.1	10.8	10.4	80	87	6.9	4.8	6.4	5.7	13.4	7.77			
Min. Pressure at Mean Sea Level.	1010.5	1010.3																			



## FORT WILLIAM, INVERNESS-SHIRE, a.c.—JUNE 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=52.1 m.; Barometer, H<sub>b</sub>=11.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
			Dry Bulb.				Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.									
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.						
	millibar.		a.	a.	a.	a.			millibar.		%	%	0-12		Tenths of Sky covered.		mm.	hr.	a.		
1	1018.9	1021.0	84.8	84.7	86.2	82.0	0.2	0.4	13.4	13.0	98	95	225	3	225	3	100	100	9.4	Dull. ☉.	
2	1024.7	1026.4	85.2	84.1	86.6	84.1	1.1	1.0	12.2	11.5	86	87	225	2	225	2	100	100	1.8	Dull. ☉ showers. ☉.	
3	1024.7	1025.4	85.2	83.5	87.8	83.1	1.1	1.6	12.2	10.2	86	81	270	2	45	4	10	4	0.3	Hill ☉. Occasional showers.	
4	1027.7	1025.7	83.0	83.0	87.9	79.3	3.9	2.5	7.1	8.7	58	71	45	5	45	4	1	0	—	☉ Bright sun.	
5	1023.3	1019.3	82.4	83.4	90.7	76.3	3.3	2.8	7.3	8.6	62	68	45	5	45	4	0	0	—	Very fine.	
6	1019.3	1017.3	86.3	83.6	90.7	78.3	3.9	1.9	9.2	9.8	60	78	45	3	45	4	0	0	—	Fine, clear, and sunny.	
7	1021.0	1016.9	85.8	84.7	93.7	77.3	3.4	2.2	9.3	10.1	64	74	45	3	45	2	0	3	—	Fine, clear, and sunny.	
8	1018.3	1017.6	86.9	87.4	94.8	81.2	2.9	3.9	10.8	10.0	69	61	—	0	90	1	0	1	—	Fine and sunny. ☉	
9	1014.9	1016.9	88.9	86.9	97.8	80.3	3.7	3.9	11.5	9.6	64	61	—	0	45	3	0	0	—	Fine and sunny. ☉	
10	1015.9	1013.5	88.0	83.6	95.8	80.3	3.9	3.5	10.5	7.8	61	62	45	3	180	7	0	0	—	Very fine. Bright sun.	
11	1013.2	1012.5	86.3	85.2	91.8	81.4	4.6	3.3	8.5	9.0	55	64	180	6	90	5	1	5	—	Very fine. q. afternoon.	
12	1013.9	1014.9	91.7	89.8	96.8	85.6	6.4	6.7	10.0	8.3	40	44	180	4	135	5	3	4	—	Very fine. q. all day.	
13	1014.5	1018.3	93.6	91.3	97.8	86.7	7.4	7.2	10.2	8.8	43	42	135	4	135	4	7	1	—	Very fine. c. at times.	
14	1018.9	1021.3	94.1	90.8	97.8	84.7	7.3	6.2	10.8	9.6	44	47	135	5	135	3	2	0	—	Very fine. q. at times.	
15	1021.3	1019.3	95.1	93.0	98.8	84.8	8.2	7.9	10.5	9.1	39	39	135	3	180	3	0	0	—	Very fine.	
16	1016.9	1015.2	89.1	88.2	98.8	84.8	8.1	3.6	6.7	11.8	10.3	65	46	90	3	135	4	6	4	—	Very fine. ☉ at times.
17	1015.2	1015.9	93.0	88.2	98.8	86.8	5.8	1.9	12.0	13.5	51	79	—	0	180	3	9	100	9.7	Fine till 14 h. ☉ 14 h. 50 m.	
18	1012.5	1010.8	92.4	87.0	96.8	85.4	4.4	1.2	13.4	13.6	60	86	—	0	—	5	100	8	2.3	Fine a. ☉ 14 h. 40 m. 18 h.	
19	1009.8	1004.4	91.2	89.9	97.8	85.3	3.2	3.4	14.3	12.6	69	66	—	0	225	3	7	10	3.3	Fine and sunny.	
20	1000.7	1001.3	85.9	85.2	91.8	85.0	0.1	0.6	14.6	13.2	99	93	225	3	270	3	100	100	13.7	Dull. ☉ showers. ☉.	
21	1008.8	1018.6	84.1	84.7	87.8	83.0	0.2	1.5	12.7	11.2	97	82	225	3	225	2	100	10	5.8	Dull. ☉ showers.	
22	1019.3	1016.6	87.6	85.2	90.8	81.2	2.9	0.6	11.5	13.2	69	93	225	3	225	3	10	100	5.3	Dull. ☉ showers. ☉.	
23	1024.0	1026.1	85.8	84.1	89.8	83.2	2.3	9.6	9.7	66	74	270	3	270	2	100	10	0.3	☉ showers early, then fair to fine.		
24	1023.3	1015.2	84.9	84.1	88.8	82.1	1.8	0.9	10.9	11.6	79	88	225	3	270	3	10	10	2.5	Dull. ☉ showers.	
25	1012.8	1014.2	84.7	85.8	89.8	83.0	0.4	1.1	12.9	12.7	94	87	225	1	—	0	100	6	0.3	☉ showers. ☉.	
26	1015.9	1016.9	85.7	84.7	88.8	83.0	2.1	1.7	11.1	10.9	76	80	225	1	—	0	10	10	—	Dull and cloudy.	
27	1013.5	1007.4	87.6	85.2	90.7	83.3	3.5	0.2	10.7	13.8	64	98	—	0	—	1	100	8	11.4	Fine early. ☉ after 17 h.	
28	1004.4	1004.0	85.2	84.1	88.8	84.0	0.6	1.7	13.2	10.5	93	80	225	3	225	3	100	8	1.8	Dull. ☉ showers.	
29	999.0	994.9	85.2	84.7	88.8	81.2	2.2	1.7	10.5	10.9	74	80	225	3	225	7	9	100	11.7	Generally dull and showery.	
30	1000.3	1006.8	85.8	84.2	89.8	82.1	1.1	1.0	12.7	11.6	87	88	225	5	225	3	100	10	3.8	Dull and showery.	
Mean	1015.6	1015.2	87.5	86.2	91.6	82.0	3.2	2.7	11.2	10.8	69	73	2.6	3.0	5.8	6.1	83.4				
Mean Pressure at Station Level.	1014.2	1013.8																			

## DOUGLAS, ISLE OF MAN, a.—JUNE 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=84.5 m.; Barometer, H<sub>b</sub>=86.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1025.0	1027.1	85.2	87.4	90	85	0.6	0.6	13.2	15.2	93	93	293	6	293	3	10	10	—	3.2	81	☉ a. c. q. with fair intervals	
2	1028.1	1029.4	85.2	83.8	87	84	1.1	1.2	12.2	10.8	86	85	293	2	293	1	10	8	—	—	80	Dull and c.	
3	1026.1	1023.3	84.4	83.0	87	82	1.4	0.6	11.2	11.2	83	93	315	6	337	6	8	8	—	5.1	80	☉ q. with bright intervals.	
4	1025.0	1025.1	83.0	80.8	87	81	2.8	1.4	8.5	8.8	68	83	67	6	337	1	4	0.0	—	15.1	79	q. forenoon. Very fine.	
5	1023.0	1020.6	84.7	81.9	<i>n</i> 86	<i>n</i> 79	2.6	0.8	9.5	10.2	71	90	90	2	315	1	2	0.0	—	15.0	<i>n</i> 74	☉ a. and p. Very fine.	
6	1018.9	1019.3	84.9	81.9	87	<i>n</i> 79	2.1	1.4	10.5	9.1	75	83	135	2	67	1	7	0.0	—	10.8	76	☉ a. and p. Fine.	
7	1017.3	1017.6	85.8	85.2	89	<i>n</i> 79	1.7	2.2	11.9	10.5	81	74	90	2	45	1	6	0.0	—	13.9	75	☉ a. Very fine.	
8	1018.9	1018.3	84.1	86.9	90	<i>n</i> 79	1.8	3.9	10.2	9.5	78	<i>n</i> 61	90	2	67	1	6	4	—	12.1	81	c. to fine.	
9	1019.3	1016.2	84.7	85.8	89	82	2.8	1.7	9.5	11.9	69	81	113	2	90	2	0	2	—	14.0	79	Very fine.	
10	1015.6	1011.8	83.0	84.1	87	82	1.7	1.7	9.8	10.5	80	80	90	3	90	5	8	10	—	11.6	80		
11	1008.4	1009.5	83.6	85.2	87	82	1.1	0.6	10.8	13.2	86	93	90	5	67	2	10	10	219.1	0.3	81	Very fine till 16 h. then c. q.	
12	1011.2	1008.8	87.4	88.3	91	84	2.8	2.2	11.5	13.2	71	76	90	2	90	5	8	10	18.3	4.4	81	☉ o. q. ☉ 10 h. 16 h. ☉ 19 h. 20 h.	
13	1010.1	1014.5	87.4	87.7	91	84	1.1	1.1	14.2	14.6	87	87	180	1	67	2	8	8	3.8	0.7	83	Fair to o. ☉ 15 h. 17 h. q.	
14	1016.8	1017.9	85.8	85.8	88	85	0.6	1.7	13.5	11.9	93	81	67	3	67	1	10	8	2.5	—	84	☉ early. c. to o.	
15	1019.3	1017.9	88.6	87.4	93	84	1.9	2.8	13.9	11.5	79	71	90	2	90	3	4	6	—	6.0	81	Fair to c. with q. intervals.	
16	1015.6	1013.9	88.0	87.4	94	85	3.3	1.1	11.2	14.2	66	87	90	3	90	2	7	8	2.3	5.2	82	Fair to c. ☉ after 17 h. 30 m.	
17	1014.5	1015.2	88.0	88.0	<i>x</i> 95	<i>x</i> 86	2.2	1.9	12.9	13.2	76	79	90	1	247	2	8	8	0.5	8.6	84	Fine till 17 h. ☉ showers p.	
18	1013.5	1012.2	89.1	85.8	93	84	1.7	0.3	14.9	14.2	82	97	135	1	90	1	4	7	—	9.8	81	☉ a. and p. Fine.	
19	1011.8	1009.5	85.8	85.8	91	84	0.6	0.8	13.5	13.2	93	91	90	1	180	3	600	8	18.5	8.8	81	☉ a. Fine. c. from 20 h.	
20	1004.7	1007.4	85.8	84.9	88	85	0.1	0.6	14.6	12.9	99	93	225	3	225	3	8	6	—	5.3	84	☉ early. c.	
21	1014.5	1021.3	85.8	85.2	89	83	1.7	1.1	11.9	12.2	81	86	270	4	270	2	6	8	—	0.3	6.2	81	c.
22	1023.7	1022.3	85.2	84.7	87	83	0.6	0.0	13.2	13.5	93	100	180	2	225	4	10	6	—	0.2	80	o. to c. q. ☉ at times.	
23	1027.7	1029.8	86.9	83.3	89	83	2.2	1.4	11.9	10.2	75	83	337	1	337	1	4	7	—	12.6	80	q. forenoon. Very fine.	
24	1027.1	1021.7	85.2	83.6	87	80	0.6	1.1	13.2	10.8	93	86	270	1	247	1	10	8	1.5	0.4	77	☉ a. Dull and c.	
25	1017.3	1015.9	84.9	87.2	91	82	0.3	0.9	13.5	14.6	96	89	247	1	293	1	10	7	0.5	2.4	80	Dull and c. ☉ showers p.	
26	1017.9	1017.9	85.2	83.0	89	82	0.6	1.4	13.2	10.2	93	83	315	2	225	1	6	4	—	4.4	82	☉ a. p. Fine.	
27	1015.6	1008.1	85.8	85.8	88	81	1.1	0.3	12.9	14.2	87	97	135	2	247	2	10	10	15.8	—	79	☉ a. after 18 h.	
28	1008.1	1008.1	86.3	83.6	88	83	1.1	1.9	13.2	9.8	87	77	225	2	315	2	4	4	—	5.6	2.9	81	☉ early. c. to o. ☉ 13 h. 18 h.
29	1004.4	1004.0	84.7	84.4	87	82	0.6	1.4	12.5	11.2	93	83	157	4	203	5	10	2	0.5	6.0	80	q. c. Bright afternoon.	
30	1007.1	1009.8	85.8	84.7	89	84	1.7	0.3	11.9	13.2	81	97	225	6	225	2	7	10	0.3	9.5	81	Fine, but q.	
Mean	1016.9	1016.5	85.7	85.1	89.2	82.6	1.5	1.3	12.2	12.0	83	85	2.6	2.2	7.0	6.5	89.5	6.50	80.3				
Mean Pressure at Station Level.	1006.3	1006.0																					

*x* denotes the maximum and *n* the minimum value in the column.

Temperatures at or below the normal freezing-point of water are printed in small type.



## ARMAGH, a.c.d.—JUNE 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 62.2 m.; Barometer, H<sub>b</sub> = 63.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Cups of Anemometer, h<sub>a</sub> = 15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
			Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.										
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.							
	millibar.		a.	a.	a.	a.			millibar.		%	%	°	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.		
1	1025.0	1027.4	87.1	87.2	n 89	85	1.3	0.5	13.5	15.2	85	94	225	4	280	2	9	10	—	0.5	84	o.
2	1029.8	1029.8	85.2	85.4	n 89	84	1.1	1.0	12.3	12.6	87	88	290	3	325	2	10	8	—	0.4	84	o.
3	1027.4	1025.7	87.9	85.0	91	82	2.7	1.4	12.1	11.6	72	83	330	2	—	1	5	10	0.1	10.9	79	Fine. o. n.
4	1026.4	1025.4	84.1	82.8	90	82	1.6	1.6	10.7	9.7	81	81	—	1	200	2	10	0	—	9.2	82	Fine.
5	1022.3	1020.6	88.2	82.9	94	n 77	3.3	1.2	11.4	10.4	67	86	—	0	—	1	0	1	—	14.5	71	Very fine.
6	1018.9	1017.3	85.8	84.0	91	n 77	2.4	1.6	10.7	10.6	73	80	—	0	130	2	1	4	—	12.8	n 70	a. Very fine.
7	1016.2	1016.2	87.2	84.4	91	80	3.2	2.6	10.7	9.5	68	71	—	0	135	3	2	0	—	12.1	74	a. Very fine.
8	1016.6	1017.3	88.2	85.6	92	79	3.3	1.9	11.5	11.3	67	78	120	2	170	2	0	0	—	13.8	74	Very fine.
9	1016.9	1015.2	88.6	84.9	90	80	3.7	3.1	11.1	9.2	n 63	66	120	3	—	1	2	0	—	14.8	75	a. Very fine.
10	1013.2	1009.5	86.3	85.1	n 89	80	2.3	1.7	11.4	11.1	75	80	85	3	105	4	6	900	1.8	11.6	74	Fine, with cool breeze. ∞
11	1005.4	1007.8	82.3	84.1	n 89	79	0.4	0.3	11.0	12.5	95	96	90	5	100	2	10	7	10.9	0.7	82	● most of day.
12	1010.1	1009.5	88.8	86.1	90	83	2.3	0.3	13.5	14.5	76	97	110	2	—	1	6	10	20.6	2.8	80	Fine and warm a. ● afternoon
13	1010.5	1013.9	88.3	86.8	90	84	1.9	1.1	13.7	13.6	79	87	150	3	—	1	3	6	1.8	5.2	80	∞. c. to c.
14	1015.9	1016.6	87.9	86.8	90	85	1.3	0.9	14.4	14.0	86	89	80	3	120	2	6	100	—	3.1	83	∞. c. to o. [noon
15	1018.6	1016.9	88.6	86.3	91	82	2.0	1.3	13.7	13.0	78	85	—	1	160	2	3	10	2.8	3.4	77	Very fine a. ● showers after
16	1014.5	1013.2	87.0	85.6	90	84	1.8	0.3	12.6	13.8	79	86	—	1	—	1	10	9	1.3	0.2	83	o. ● showers afternoon. T 17 h. 33
17	1013.9	1013.5	88.1	88.4	n 94	85	0.9	1.1	15.1	15.2	89	88	—	1	—	0	10	9	—	0.1	83	o. and warm. Frequent T.
18	1011.8	1010.1	88.3	86.5	92	85	1.6	2.1	14.2	11.8	82	76	—	1	170	3	10	7	—	4.1	84	o. Very fine afternoon.
19	1009.1	1004.0	88.0	87.3	92	85	1.6	1.3	13.9	13.7	83	85	155	3	170	5	10	10	0	0.5	80	Fine to o. ●.
20	1001.3	1005.4	88.9	85.0	92	85	3.3	2.1	12.1	10.6	67	76	215	5	225	4	8	0	1.0	9.0	86	Very fine. ● showers afternoon.
21	1013.9	1021.0	87.6	83.8	90	83	3.3	0.9	11.0	11.4	66	80	240	4	245	2	3	10	2.8	5.6	82	Fine a. ● showers afternoon.
22	1020.3	1022.3	87.3	86.6	91	83	1.9	0.9	12.7	13.8	79	80	200	5	225	3	10	10	1.0	0.8	81	Dull and o. ● showers.
23	1028.8	1029.8	86.7	84.1	90	82	3.7	1.9	10.3	10.2	67	78	295	3	—	1	8	9	—	6.5	80	c. and breezy.
24	1026.1	1019.6	85.7	86.2	n 89	82	2.7	2.1	10.3	11.6	71	76	—	1	210	3	10	10	0.3	0.1	81	o.
25	1015.9	1016.9	86.2	86.6	92	85	0.7	0.4	13.9	14.6	93	95	225	3	—	1	10	10	1.8	1.2	84	c., with ● showers. ● n.
26	1017.9	1016.9	86.1	86.7	92	84	1.6	2.3	12.3	11.6	81	74	—	0	—	1	8	2	—	6.9	83	c. Fine afternoon. Clear n.
27	1012.5	1008.8	88.2	85.5	90	82	1.0	0.4	15.2	13.7	90	96	185	3	—	1	10	10	6.9	—	82	Dull. ● afternoon. ● n.
28	1004.7	1006.8	86.3	83.9	92	84	1.7	2.3	12.4	9.4	81	73	190	4	220	2	10	5	1.5	5.4	81	a. Fine afternoon.
29	997.9	1000.3	86.6	83.6	n 89	82	2.1	0.6	11.9	11.9	76	83	190	9	210	7	10	10	4.8	6.1	80	● squalls a.
30	1006.1	1008.4	87.1	85.1	91	82	2.8	1.4	11.3	11.5	70	83	225	4	—	1	8	7	0.3	6.1	81	c. and cool.
Mean	1015.6	1015.5	87.1	85.4	90.7	82.4	2.1	1.4	12.4	12.2	78	84	—	2.6	—	2.1	6.9	6.8	60.2	5.73	79.9	
Mean Pressure at Station Level.	1008.0	1007.9																				

## DUBLIN (PHENIX PARK), a.c.—JUNE 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Time, Local mean time, 25 m. after Greenwich.																	
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.			Wind.		Cloud Amount and Weather.	Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.						21 h.	
1	1026.7	1028.1	86.3	87.8	91	85	1.6	1.1	12.5	14.6	82	88	270	2	270	4	8
2	1029.8	1029.1	86.8	87.4	90	85	1.6	1.9	12.9	12.9	82	79	315	3	—	0	10
3	1027.4	1024.7	89.0	85.9	91	82	3.7	1.8	11.5	11.9	64	80	270	2	—	0	6
4	1025.7	1025.4	84.7	79.6	86	80	2.2	0.6	10.2	8.8	74	91	90	3	—	0	6
5	1022.3	1019.6	88.8	83.7	92	<i>n</i> 73	3.9	1.2	11.2	10.8	62	85	315	1	—	0	1
6	1018.6	1017.6	89.2	80.7	90	76	3.4	0.4	12.2	9.8	67	95	315	1	—	0	4
7	1016.2	1016.2	88.0	83.2	91	75	2.9	0.7	11.9	11.5	70	91	135	1	270	1	1
8	1016.6	1016.9	88.4	85.7	91	77	2.1	1.6	13.2	11.9	76	82	90	1	—	0	7
9	1016.2	1014.9	87.2	82.4	89	80	2.6	0.6	11.5	10.8	72	93	135	2	—	0	3
10	1012.2	1008.8	87.4	85.2	88	77	2.9	1.3	11.2	11.9	69	84	135	3	135	2	2
11	1004.0	1007.4	84.2	84.3	90	83	0.1	0.5	13.2	12.5	100	94	135	4	—	0	10
12	1009.8	1008.1	87.8	85.3	90	80	2.4	0.2	12.2	13.9	74	97	135	3	—	0	8
13	1010.5	1013.5	89.1	84.2	90	84	2.7	0.6	13.2	12.2	73	93	180	2	—	0	4
14	1014.9	1016.2	89.6	86.3	91	80	2.7	1.6	13.5	12.5	73	83	135	1	135	2	6
15	1018.3	1016.2	90.2	85.9	92	80	3.2	0.3	13.2	14.2	68	96	135	1	135	1	3
16	1013.9	1011.8	88.3	85.8	92	85	1.3	0.6	14.9	13.9	86	93	45	1	—	0	9
17	1013.5	1013.5	90.8	84.5	<i>x</i> 93	83	2.8	0.3	14.6	12.9	72	96	—	0	—	0	9
18	1011.5	1010.5	89.7	85.2	91	81	3.0	2.0	13.2	10.8	71	77	180	1	180	1	9
19	1010.1	1005.7	89.6	87.9	91	84	2.3	1.6	14.2	13.9	77	83	225	2	225	2	6
20	1003.4	1007.4	90.5	85.2	<i>x</i> 93	85	3.5	1.1	13.2	12.2	66	87	270	4	270	3	7
21	1016.2	1021.3	89.6	85.7	92	83	0.6	0.4	17.6	13.9	94	94	270	2	—	0	6
22	1021.7	1023.3	89.1	88.4	91	82	0.1	0.3	17.9	16.9	99	97	225	2	225	2	7
23	1029.4	1029.4	89.3	85.8	91	84	0.3	0.1	17.9	14.6	97	99	315	1	—	0	6
24	1026.4	1021.0	86.8	86.7	90	82	0.2	0.2	15.2	15.2	97	98	270	1	—	0	8
25	1017.6	1017.3	87.9	87.4	90	<i>x</i> 86	0.3	0.5	16.3	15.2	96	94	315	2	315	1	9
26	1018.6	1017.9	87.4	84.1	88	84	2.8	0.4	11.5	12.5	71	95	45	1	—	0	10
27	1013.2	1010.1	89.7	85.3	92	82	0.9	0.3	16.9	13.9	89	97	—	0	225	2	9
28	1006.4	1008.1	87.9	86.2	91	82	1.6	3.1	13.9	10.2	82	67	225	1	225	1	10
29	1000.3	1003.7	88.6	85.3	90	81	2.8	0.9	12.5	12.5	71	89	225	6	225	4	8
30	1008.4	1008.8	86.9	85.1	90	84	1.6	0.8	12.9	12.5	82	90	270	2	270	1	7
Mean	1016.0	1015.8	88.3	85.2	90.6	81.5	2.1	0.9	13.5	12.7	79	90	—	1.9	—	0.9	6.6
Mean Pressure at Station Level.	1010.1	1009.9															

*x* denotes the maximum and *n* the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.

x denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
August 16th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 48.8 m.; Barometer, H<sub>b</sub> = 50.3 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 1.2 m. Cups of Anemometer, h<sub>a</sub> = 4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.	9 h.					21 h.			
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.											
	millibar.		a.	a.	a.	a.	°	°	millibar.	%	%	m/s.	°	m/s.	Tenths of Sky covered.		mm.	hr.	a.					
1	1007.1	1006.1	86.4	84.1	87	81	1.9	0.7	12.0	12.0	78	92	1.5	4	90	3	3	9	—	12.9	200 +	Double rainbow 5 h. Fine.		
2	1005.4	1012.5	85.4	83.8	87	81	0.5	1.0	13.4	11.3	94	88	3.5	6	350	7	10	≡	—	5.8		≡ till 9 h. Fine.		
3	1017.6	1023.3	85.3	82.2	86	82	2.2	1.4	10.7	9.5	75	82	3.5	12	350	6	2	1	—	12.0		Very sunny.		
4	1024.4	1025.7	84.4	82.2	87	n 80	2.2	1.1	10.0	9.9	75	86	3.5	3	—	1	2	2	—	17.2		Continuous sunshine.		
5	1014.2	1005.7	84.4	83.6	86	81	1.6	0.3	10.8	12.2	80	96	3.0	2	360	3	9	10	5.1	0.9		Occasional showers.		
6	996.9	1001.3	82.6	82.1	n 84	82	0.3	0.8	11.5	10.3	97	90	3.1	8	240	3	10	●	7.5	—		● a. Clearing p.		
7	1007.1	1012.5	86.1	83.9	87	n 80	0.3	0.5	14.3	12.2	96	94	1.5	4	120	2	1	2	—	15.2		Fine day.		
8	1012.5	1012.2	84.6	84.6	86	82	0.2	0.1	13.3	13.3	98	98	5.0	5	150	6	10	≡	1.0	0.1		≡ or ≡ nearly all day.		
9	1012.8	1012.2	84.1	85.0	86	84	0.2	0.6	12.9	13.0	98	93	9.0	5	90	5	10	≡	0.5	4.8		≡ ●. Fair later.		
10	1009.5	1008.4	85.3	84.4	86	84	0.8	0.4	12.9	12.7	91	95	1.3	5	150	7	10	≡	—	1.4		≡ or ≡ at first, then fair.		
11	1009.1	1011.2	86.7	85.0	88	84	1.3	1.1	13.2	12.1	84	86	1.7	5	—	1	7	5	—	7.5		Fine.		
12	1008.4	1004.0	86.7	85.4	88	84	1.6	1.0	12.8	12.6	82	88	1.4	7	130	8	7	10	≡	1.0	4.0		Fine generally. ≡ ● 23 h.	
13	1002.4	1006.8	87.8	85.3	89	84	0.8	0.8	15.1	12.7	91	89	1.8	2	300	4	1	≡	3	0.2	10.5		≡ ●, then very sunny.	
14	1009.5	1007.4	85.4	84.6	x 90	84	0.9	0.0	12.6	13.5	88	100	1.8	4	270	3	10	10	x 7.5	3.5		Fair at first, then ●.		
15	1004.7	1004.4	87.2	85.6	88	83	1.5	1.1	13.3	12.6	83	88	1.9	3	190	2	4	10	x 7.5	2.6	7.7		●. T 18 h	
16	1006.1	1005.7	86.3	84.8	88	84	1.8	0.7	12.1	12.5	80	91	2.2	6	160	6	9	6	1.5	2.0		Fair generally. ● showers.		
17	1005.4	1007.1	86.6	84.4	87	84	2.1	0.5	12.0	12.5	77	93	2.6	2	330	3	7	3	2.7	1.5		Fine.		
18	1011.2	1017.3	85.9	84.3	87	83	1.0	0.9	13.1	11.0	88	89	3.5	5	300	2	9	10	1.4	3.1		● showers.		
19	1018.9	1012.5	85.1	83.7	87	82	1.6	0.7	11.3	12.5	81	91	2.2	5	200	6	9	10	2.5	3.4		Occasional showers.		
20	1010.5	1011.2	85.3	84.5	89	x 85	0.6	1.4	13.2	11.1	93	83	2.7	4	270	7	10	5	0.6	5.5		Showery.		
21	1011.2	1008.4	84.0	85.7	89	84	0.8	2.5	11.8	10.5	90	73	2.2	7	220	2	9	10	0.1	5.9		Showery.		
22	999.6	991.9	85.9	84.1	88	84	0.3	0.3	14.3	12.6	97	96	1.8	6	170	2	9	8	4.6	2.2		Fair. ● 19 h.—21 h.		
23	989.1	993.5	84.5	82.9	87	82	0.7	0.7	12.3	11.0	91	91	2.3	11	310	10	9	6	4.2	4.5		●, with fair intervals.		
24	1001.0	1006.4	82.2	81.0	85	81	1.7	1.2	9.1	8.9	79	84	3.0	9	280	5	9	4	1.0	3.8		Generally fair.		
25	1007.8	1008.1	83.4	82.1	87	81	1.7	0.7	10.0	10.5	80	91	3.0	5	330	2	6	7	0.8	5.2		Generally fine, but ● 10 h.		
26	1010.8	1010.8	84.4	82.2	86	n 80	2.7	1.2	9.4	9.8	n 70	85	3.2	4	340	9	8	5	1.8	6.5		Changeable.		
27	1013.9	1013.9	83.2	81.9	86	81	2.4	1.4	8.8	9.3	71	82	3.2	9	—	1	9	10	0.5	9.0		Sunny. ⊕ (parhelia) 18 h.		
28	1004.7	1004.0	82.4	84.4	86	81	0.8	1.0	10.6	11.8	90	88	1.7	7	280	7	10	10	2.2	0.1		Dull, cold, and showery.		
29	1006.4	1001.7	85.8	84.6	87	83	1.7	1.6	11.9	11.0	81	82	2.7	9	230	7	9	6	4.2	0.4		Dull, cold, and showery.		
30	1000.3	1004.7	85.8	84.2	87	83	0.3	0.8	14.2	11.9	96	89	2.4	9	250	6	7	10	0.5	5.0		Fine.		
31	1005.4	999.3	86.7	85.6	87	82	1.7	1.2	12.6	12.3	81	86	1.9	7	170	5	9	7	0.5	5.9		Fine.		
Mean	1007.8	1007.9	85.2	83.9	87.1	82.5	1.2	0.9	12.1	11.6	86	89	5.8	4.5	7.5	7.4	54.5	5.43						
Mean Pressure at Station Level.	1001.7	1001.8																						

APRIL 26 — JULY 1920



## FORT WILLIAM, INVERNESS-SHIRE, a.c.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=52.1 m.; Barometer, H<sub>b</sub>=11.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.	9 h.	21 h.	9 h.	21 h.						
						9 h.	21 h.	9 h.	21 h.							9 h.					21 h.
	millibar.		a.	a.	a.	a.	millibar.						%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.
			200+	200+	200+	200+															
1	1006.4	1003.4	85.2	85.2	90	82	1.8	1.1	11.1	12.2	79	86	—	0	—	0	10	10.0	0.5		Dull. ● evening.
2	1004.4	1010.5	85.2	85.2	n 86	84	0.8	1.0	12.6	12.4	90	87	45	2	45	2	10	10.0	3.6		Dull and showery.
3	1016.9	1022.7	85.8	84.7	90	82	3.3	2.3	9.5	10.0	65	73	45	5	45	4	9	1	—		Fine and sunny. v.
4	1023.7	1019.6	87.0	86.9	x 95	n 78	4.7	3.5	8.8	10.1	n 55	64	45	4	45	4	9	1	—		Very fine.
5	1013.9	1006.1	86.3	85.5	94	80	3.9	2.6	9.2	10.3	60	72	45	2	225	1	8	10	0.2		Fine and sunny.
6	1000.3	1002.0	84.6	84.1	88	80	0.6	2.2	12.6	9.7	93	74	45	1	—	0	10.0	9	0.2		Generally fair to fine.
7	1005.7	1009.5	85.2	85.2	90	n 78	2.2	1.1	10.6	12.2	75	86	225	1	—	0	10	8	0.8		Dull. ● evening.
8	1009.5	1007.4	85.8	85.8	89	79	1.7	1.2	11.8	12.5	81	86	45	4	90	1	10	4	6.4		Dull. ● after 14 h.
9	1008.4	1008.4	89.6	86.3	91	83	3.7	1.6	12.0	12.5	63	82	45	4	225	2	8	6	0.5		Sunny intervals. T 11 h. 30 m.
10	1008.8	1008.4	85.2	84.1	90	81	0.9	0.6	12.5	12.2	89	93	—	0	225	1	10.00	10	4.3		Dull. Light showers. [12 h.]
11	1009.5	1010.5	85.7	85.8	91	84	0.9	0.7	13.0	13.4	89	92	225	3	225	1	10	10.0	0.5		Fair to fine. ● evening.
12	1004.4	1002.0	88.0	85.1	90	84	2.8	0.4	12.0	13.3	71	95	225	2	225	1	10	10	8.1		Cloudy. ● after 16 h.
13	1001.0	1010.8	85.2	84.7	89	83	0.4	0.7	13.3	12.5	94	92	225	2	225	3	10	10.0	7.1		● all day.
14	1011.2	1007.8	84.7	84.8	n 86	84	0.2	0.2	13.3	13.4	98	98	225	3	225	2	10	10.0	14.0		Muggy. ●
15	1005.4	1007.4	84.8	84.8	87	83	0.7	0.7	12.5	12.5	92	92	225	3	225	4	10	10.0	20.3		● and hill mist all day.
16	1008.4	1005.7	85.1	85.0	88	84	0.7	0.4	12.8	13.3	91	95	225	4	225	2	10	10.0	3.6		Rain and hill mist all day.
17	1006.8	1008.4	87.4	84.2	90	84	2.1	0.6	12.6	12.3	77	93	225	2	225	1	7	10	13.5		Fair to fine. ● 18 h.
18	1012.5	1017.9	86.3	84.7	91	83	0.7	0.6	14.0	12.6	92	93	225	1	225	1	10.0	10	16.8		Fine till 14 h. K 14 h. 45 m.
19	1021.3	1016.2	85.8	85.1	89	82	1.7	0.4	11.8	13.2	81	94	225	2	270	2	10.0	10	8.9		Fair till 17 h., then ●
20	1013.5	1015.9	85.3	85.2	90	x 85	0.1	2.0	14.1	10.8	99	76	225	3	225	2	10.0	10	2.3		Muggy a. Sunny after 14 h.
21	1014.5	1010.8	85.2	85.0	92	84	1.1	1.6	12.2	11.4	86	81	225	3	225	2	10.0	8	0.8		● a. Sunny p.
22	1000.7	997.6	85.8	83.0	90	83	1.7	0.7	11.8	11.1	81	82	225	4	225	3	10	4.0	8.1		Unsettled and showery.
23	995.2	998.6	87.3	83.6	91	82	3.4	1.1	10.6	10.9	66	86	225	3	315	4	9	10.0	5.6		Unsettled and showery.
24	1005.4	1008.8	84.1	81.9	89	81	3.0	0.6	8.8	10.5	67	93	315	3	—	0	9	8	3.8		Fine till 15 h., then showery.
25	1009.1	1007.4	85.8	84.1	90	80	1.8	2.2	11.6	9.7	79	74	270	3	—	0	7	1	—		Fine and sunny. ⊕
26	1008.1	1012.8	85.2	83.0	89	82	2.2	0.8	10.5	10.9	74	90	—	0	90	1	9	7	2.0		Dull. ● showers.
27	1017.6	1015.9	83.2	83.6	90	83	1.1	1.7	10.6	10.1	86	80	270	1	—	0	10	10	2.8		Fine generally. Dull evening.
28	1005.4	1010.8	83.6	85.2	87	82	0.2	1.9	12.5	10.9	98	78	225	3	270	3	10	10	2.5		Showery, with hill mist.
29	1013.5	1006.1	86.1	85.1	88	84	1.5	1.3	12.4	11.9	83	85	270	4	270	2	10	10	9.7		● during day. Fine evening.
30	1005.4	1008.8	85.2	84.7	89	84	1.4	1.6	11.7	11.0	83	81	270	2	225	2	10	10	1.5		Dull and showery.
31	1006.8	1001.0	84.7	84.7	88	83	0.6	0.3	12.6	13.1	93	96	225	2	225	2	10	10.0	9.1		Generally dull and showery.
Mean	1008.8	1009.0	85.6	84.7	89.6	82.3	1.7	1.2	11.8	11.7	82	86	—	2.4	1.7	9.3	8.5	157.5			
Mean Pressure at Station Level.	1007.4	1007.6																			

## DOUGLAS, ISLE OF MAN, a.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=84.5 m.; Barometer, H<sub>b</sub>=86.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

Local mean time, 20 m. after Greenwich.																						
1	1006.8	1001.0	84.1	85.5	89	84	0.0	0.3	13.2	13.9	100	96	135	2	135	1	100	10.0	10.7	—	83	≡ ●. ● 22 h. 30 m.
2	1001.3	1007.1	86.9	85.8	89	85	0.6	0.6	14.7	13.6	93	93	135	1	337	2	8	8	6.9	7.0	84	≡ ● a. c. Fine afternoon.
3	1012.8	1019.6	85.2	84.7	89	84	1.5	1.9	11.6	10.5	82	77	360	3	23	3	10	2	—	0.5	83	Dull and c.
4	1021.7	1019.6	85.8	84.9	89	83	2.8	1.9	10.3	10.7	70	77	23	5	360	1	3	8	1.5	9.8	81	Fine. c. after 16 h. [intervals
5	1013.9	1007.1	88.6	85.8	89	84	3.9	3.6	10.8	9.1	162	63	23	2	293	3	8	8	1.3	5.6	82	● showers a. c. with bright
6	1003.7	1004.4	84.7	84.1	88	84	1.7	0.3	10.9	12.7	80	97	315	3	225	1	7	8	1.3	5.2	82	Fair to c. ● about 11 h.
7	1004.7	1005.7	84.7	85.8	87	84	1.1	1.1	11.7	12.7	86	87	113	1	45	3	8	10	3.3	0.8	82	Dull and c. ● after 20 h.
8	1005.1	1007.1	84.1	83.6	86	84	0.3	0.0	12.7	12.6	97	100	45	5	23	1	10	10	13.7	—	82	q., with continuous ● till 16 h.
9	1007.4	1011.8	86.1	85.2	88	83	0.8	0.6	13.4	13.2	90	93	270	1	247	3	10	8	11.7	1.5	81	Dull, with ● showers a. then c.
10	1010.5	1011.8	84.1	85.2	88	84	0.0	0.6	13.2	13.2	100	93	135	4	203	2	10	10	1.0	3.1	82	● 5 h. ● 9 h. q. o. c. afternoon
11	1014.5	1012.5	87.4	85.2	89	84	1.9	0.6	12.9	13.2	79	93	203	3	180	2	7	8	3.8	7.3	83	● showers a. Fine.
12	1007.1	1006.1	85.2	84.7	87	85	0.2	0.6	13.8	12.6	98	93	135	3	247	4	10	3	4.1	0.7	84	o. to c., with ●.
13	1009.5	1016.2	86.3	86.3	90	84	1.1	2.2	13.2	11.5	87	75	270	7	270	6	8	7	—	4.5	82	Fair and q.
14	1017.3	1013.2	85.8	85.8	89	85	0.6	0.6	13.6	13.6	93	93	203	3	203	6	8	10	6.9	2.2	84	c. to o. q. afternoon. ● p.
15	1011.2	1013.5	86.3	85.8	89	84	1.1	0.8	13.2	13.2	87	90	225	3	225	2	7	8	—	11.4	83	Fine, but q.
16	1012.8	1010.1	86.3	84.1	87	84	0.6	0.6	14.2	12.2	93	93	203	4	203	2	8	10	9.9	—	83	o. q. ● 11 h.-20 h.
17	1007.1	1010.8	85.2	84.7	89	84	0.3	1.4	13.6	11.4	97	83	293	2	315	1	10	7	1.0	7.8	83	● a. and p. Fine.
18	1014.9	1019.6	86.3	85.5	89	83	1.7	1.1	12.4	12.5	81	87	293	2	293	2	4	7	—	9.0	80	c. to fine. — 20 h.
19	1025.0	1022.3	86.9	85.5	89	83	2.2	0.3	11.9	13.9	75	96	293	2	225	4	4	10	1.0	11.2	81	o. q. a. Very fine to o. ● 22 h.
20	1019.3	1020.3	86.9	86.1	89	85	0.0	0.8	15.8	13.4	100	90	225	5	293	1	10	3	0.3	1.0	85	o. q. a. c. afternoon. ● p.
21	1018.6	1014.2	88.0	84.1	89	84	1.7	0.3	13.7	12.7	82	97	293	1	203	1	8	10	1.8	—	82	o. a. Dull and c.
22	1007.8	1003.7	84.7	84.7	89	83	0.6	0.6	12.6	12.6	93	93	225	3	247	2	10	10	7.6	2.7	81	o. a., then c. q. ● after 23 h.
23	996.3	1001.3	85.5	83.6	87	84	0.8	1.1	12.9	10.9	90	86	45	1	293	3	10	2	1.3	4.9	83	● a. Dull. Fine afternoon.
24	1008.4	1012.5	84.7	83.6	89	82	2.8	1.1	9.3	10.9	69	86	315	4	293	1	4	2	0.3	9.2	80	● a. Fine. ● 17 h.
25	1011.2	1004.7	85.8	83.0	87	82	2.2	0.6	11.0	11.3	75	93	225	1	45	3	7	10	25.2	1.9	81	c. a. Continuous ● after 13 h.
26	1007.8	1012.8	85.2	82.4	88	82	1.1	1.1	12.2	10.1	86	86	315	2	337	1	7	7	0.5	7.9	81	● early. Fine till 16 h. then c.
27	1018.6	1019.3	85.2	84.7	88	82	2.2	1.1	10.5	11.7	74	86	337	3	180	1	7	10	7.6	10.2	80	● early. Very fine. c. after 17 h.
28	1010.1	1015.2	84.7	85.2	89	82	0.0	1.1	13.6	12.2	100	86	225	3	270	2	10	8	1.3	3.2	82	● midnight to 10 h. c. to fine. ● 22 h.
29	1018.3	1012.5	85.8	87.2	88	84	1.7	0.3	11.8	15.5	81	96	247	3	247	4	8	7	4.8	1.2	83	Dull and c. ● 16 h.-20 h.
30	1010.8	1012.5	86.3	85.8	89	85	2.1	1.1	11.8	12.7	77	87	270	3	270	1	6	7	0.3	4.6	84	Dull and c.
31	1009.1	1006.1	86.3	85.8	89	84	0.6	1.1	14.2	12.7	93	87	157	1	247	1	10	10	1.3	3.2	82	● a. Dull. Fine to o.
Mean	1011.1	1011.4	85.8	84.9	88.7	83.6	1.2	0.9	12.6	12.4	86	89	—	2.8	2.3	8.0	—	7.7	120.4	4.45	82.2	—
Mean Pressure at Station Level.	1000.8	1001.0																				

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

x denotes the maximum and n the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

## BIRMINGHAM (EDGBASTON) a.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=160.0 m.; Barometer, H<sub>b</sub>=165.2 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.5 m. Lat. 52° 28' N. Long. 1° 54' W. Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.		
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## ARMAGH, a.c.d.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. begin- ning 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.			
			Dry Bulb.	Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percent- age.	Veer from North and Force or Speed.											
	9 h.	21 h.				9 h.	21 h.	9 h.	21 h.		9 h.	21 h.	9 h.	21 h.								
		millibar.	a.	a.	a.	millibar.						m/s.		Tenths of Sky covered.		mm.	hr.	a.				
		200 +	200 +	200 +																		
1	1003.7	1001.0	86.2	85.2	87	81	1.5	0.4	12.5	13.4	83	95	—	1	10	10.3	11.7	—	76	• most of day.		
2	1003.7	1011.5	85.2	84.1	87	84	0.3	1.2	13.5	11.1	97	86	—	1	350	3	10	0.7	—	84	• a. Dull and cold.	
3	1017.3	1022.3	84.9	84.3	91	83	1.2	1.4	11.9	11.0	86	82	360	2	360	2	10	4	6.9	82	g. a. Fine afternoon.	
4	1023.7	1021.3	88.3	82.5	92	79	3.1	1.6	11.9	9.6	69	80	—	1	1	4	2	—	12.6	74	Very fine.	
5	1014.2	1008.4	87.3	84.6	92	77	2.8	0.5	11.5	12.6	71	93	—	1	340	2	5	10.0	1.8	2.1	72	c. • n.
6	1004.0	1003.0	85.9	84.5	89	80	2.5	1.2	10.7	11.5	73	86	300	2	1	8	9.0	4.8	3.7	76	• showers a. c. • n.	
7	1003.7	1007.4	84.2	85.0	88	83	0.6	0.6	12.2	13.0	92	93	—	1	30	2	10	10.0	—	1.2	82	o. most of day. Drizzling
8	1007.4	1007.1	87.8	84.8	89	82	3.2	0.2	11.2	13.3	107	98	20	3	1	8	10	—	1.3	80	c. a. • most of afternoon.	
9	1007.4	1011.5	85.2	84.3	89	84	0.6	0.8	13.2	12.0	93	90	—	1	1	10	9	4.3	1.2	83	g. a. • most of afternoon.	
10	1007.1	1010.1	87.7	85.1	91	82	1.5	0.6	13.8	13.1	83	93	190	4	225	2	9	7.4	2.5	3.3	81	• showers and fine intervals.
11	1012.2	1009.5	87.3	86.2	92	83	1.7	1.5	13.1	12.5	81	83	220	4	200	4	8	1.5	2.1	81	Fine a. • showers afternoon.	
12	1001.0	1004.4	88.2	84.7	92	85	0.7	1.1	15.7	11.9	92	86	160	6	225	3	10	3.3	2.4	84	Fine and warm a. • showers	
13	1009.5	1015.6	85.7	85.9	91	84	0.6	1.3	13.5	12.6	94	85	240	4	220	2	10.0	3	1.3	83	c. with • showers. Fine n.	
14	1013.2	1010.1	88.9	86.0	92	85	2.1	0.7	13.9	13.5	79	92	200	5	205	5	10	5	1.8	1.0	83	o. • most of afternoon. Fine n.
15	1008.1	1011.8	86.9	85.3	92	82	1.8	1.2	12.6	12.2	80	85	210	4	220	3	5	3	2.0	6.5	80	Fine to • showers.
16	1008.1	1008.4	85.2	84.7	91	84	0.5	0.3	13.2	13.2	94	96	190	5	—	1	10	9	0.7	0.7	82	• showers.
17	1007.8	1010.8	87.8	83.9	92	84	2.3	0.5	12.6	12.2	75	94	—	1	1	9	6	1.0	5.6	82	Fine. • showers p.	
18	1014.2	1021.3	86.4	84.2	92	82	1.3	0.9	13.1	11.8	85	89	240	2	—	1	9	0	0.8	5.3	82	• showers.
19	1024.4	1019.6	87.4	86.8	91	81	2.3	0.7	12.2	14.3	75	92	225	2	210	5	5	10	—	3.3	76	Fine to o.
20	1018.3	1020.3	87.8	85.8	92	86	0.4	1.3	15.9	12.4	96	85	225	4	—	1	10.0	3	0.3	4.1	86	Drizzling • a. c. to fine. Cool
21	1017.9	1012.5	86.9	86.3	92	83	1.3	0.9	13.4	13.6	85	89	225	2	210	2	10	2	2.0	5.3	76	c. and warm.
22	1004.0	1003.4	86.7	84.1	89	84	0.9	0.6	13.9	12.1	89	93	210	4	250	2	10	9	10.4	2.1	82	Frequent • showers.
23	997.6	1003.4	85.6	83.7	90	82	1.2	1.3	12.3	10.8	86	84	—	1	340	2	5	8	—	5.3	82	• n. Fine. • showers p.
24	1011.1	1012.5	86.3	83.2	90	79	3.2	0.6	10.5	11.4	107	92	300	2	—	1	4	4	2.3	9.3	76	Fine. • showers afternoon.
25	1010.1	1007.4	86.0	82.2	87	80	2.8	0.4	10.5	10.9	70	95	—	1	—	1	10	10	4.1	0.4	77	• most of day.
26	1009.8	1015.2	86.5	81.7	89	79	2.6	0.6	11.1	10.3	72	92	320	2	—	1	5	0	4.8	6.8	75	Fine a, then • showers.
27	1020.0	1017.3	85.7	85.0	91	80	2.2	1.5	11.0	11.5	76	81	—	1	220	2	9	10	2.5	2.6	75	c. to o.
28	1009.8	1016.6	87.1	84.8	90	82	1.4	0.9	13.5	12.2	84	89	260	3	290	2	8	10	—	1.9	81	• n. Dull.
29	1016.9	1012.2	86.8	87.2	90	84	2.1	1.5	12.1	13.4	77	83	225	3	260	2	8	8	3.6	1.0	83	c. • afternoon.
30	1010.8	1012.2	86.8	85.2	91	84	2.4	1.7	11.6	11.3	74	80	240	2	—	1	10	9	—	3.0	83	Dull a. c.
31	1008.8	1004.4	86.2	85.2	90	84	2.0	0.7	11.7	12.9	78	91	220	2	210	3	10	10	0.8	0.4	83	c. • n.
Mean	1010.5	1011.4	86.6	84.7	90.4	82.3	1.7	0.9	12.5	12.2	81	89	—	2.5	2.0	8.4	6.9	75.9	3.39	80.1		
Mean Pressure at Station Level.	1002.9	1003.8																				

## DUBLIN (PHOENIX PARK), a.c.—JULY 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Local mean time, 20 m. after Greenwich.																								
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.			Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.								
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.													
1	1003.7	999.6	85.0	85.2	80	8.4	0.4	0.9	13.2	12.5	95	88	135	1	0	10.0 <sup>2</sup>	10.0 <sup>2</sup>	17.0	—	79	o., with •.			
2	1002.0	1010.8	85.4	85.3	89	8.3	0.2	0.7	13.9	12.9	97	91	315	1	315	3	10.0 <sup>2</sup>	8	1.3	0.1	79	o., with •.		
3	1014.5	1020.6	85.2	85.5	90	8.3	0.7	0.1	12.9	14.2	91	99	45	3	315	2	10	4	—	4.8	79	c.		
4	1023.3	1020.3	88.3	84.1	91	8.1	0.3	0.4	16.6	12.5	96	95	45	2	—	0	2	5	—	14.2	76	Fine.		
5	1013.9	1007.4	80.7	80.1	92	7.8	0.2	0.3	18.3	17.6	97	97	45	1	315	2	4	8	0.8	6.6	74	c., with • showers. • showers		
6	1005.4	1004.4	87.4	83.7	90	8.3	0.7	0.1	15.2	12.9	92	99	315	1	270	1	7	9	3.9	6.3	79	c., with • showers.		
7	1002.7	1004.7	86.3	84.8	89	8.2	1.4	0.1	12.5	13.5	84	99	90	1	45	3	10.0 <sup>2</sup>	10.0 <sup>2</sup>	17.0	3.1	80	c., with • p.		
8	1006.8	1007.8	84.6	84.7	88	8.4	0.4	0.5	12.9	12.9	95	94	45	2	45	1	10.0 <sup>2</sup>	10.0 <sup>2</sup>	6.0	—	81	o., with •.		
9	1009.8	1012.8	85.4	85.2	91	8.3	1.5	0.2	11.9	13.9	102	98	315	3	—	0	9	7	6.7	2.6	80	c., with • showers.		
10	1009.5	1011.8	87.8	86.7	92	8.3	0.8	0.2	15.2	15.2	90	97	270	2	—	0	7	7	1.0	8.0	80	Fine. • showers.		
11	1013.9	1011.2	89.1	86.7	91	8.3	0.4	0.2	17.3	15.2	96	97	270	1	270	2	7	9	0.8	4.0	80	c., with • showers.		
12	1002.0	1006.1	91.3	85.8	92	8.6	0.1	0.1	20.7	14.6	100	99	225	4	270	4	6	7	1.0	6.2	84	c.		
13	1013.2	1016.9	88.0	86.6	91	8.4	0.2	0.1	16.6	15.2	98	98	270	4	225	1	6	7	—	4.2	82	c.		
14	1015.2	1012.2	86.6	87.3	91	8.6	0.1	0.3	18.6	15.6	99	96	225	2	270	1	7	7	1.1	2.4	84	c., with •.		
15	1010.8	1013.5	87.8	86.4	92	8.1	0.1	0.1	16.6	15.2	99	98	270	2	270	2	5	7	—	9.9	78	• early. Fine.		
16	1009.8	1008.8	87.5	85.3	88	8.5	0.1	0.1	16.3	14.2	98	99	225	3	—	0	7	7	7.2	—	83	o., with •.		
17	1009.1	1012.2	87.9	84.2	91	8.4	0.2	0.1	16.3	13.2	97	99	315	2	—	0	8	6	0.3	8.3	82	Fine.		
18	1015.6	1020.6	89.7	86.3	91	8.2	0.1	0.1	18.6	15.2	98	99	315	1	315	1	6	7	3.5	7.4	80	Fine.		
19	1025.7	1022.0	89.1	87.5	91	8.1	0.4	0.1	17.3	16.3	96	99	270	2	225	3	5	7	—	7.0	80	Fine.		
20	1020.0	1021.3	90.8	87.8	92	8.7	0.1	0.2	20.0	16.3	99	98	270	3	—	0	9.0	6	0.6	1.6	86	• o. a. c.		
21	1018.6	1013.9	87.4	85.6	89	8.5	0.2	0.1	15.9	14.6	98	99	315	1	—	0	8	7	2.6	—	85	o., with •.		
22	1006.8	1005.4	88.0	85.1	91	8.3	0.3	0.3	16.3	13.5	97	95	270	3	270	3	7.0 <sup>2</sup>	9.0 <sup>2</sup>	9.9	3.3	81	c., with •.		
23	997.3	1001.7	85.1	85.4	91	8.4	0.4	0.1	13.2	14.2	95	99	270	2	315	1	10.0 <sup>2</sup>	5	1.7	4.3	82	• o. a. c.		
24	1011.8	1013.9	87.3	84.3	91	7.9	0.3	0.1	15.6	13.2	95	98	315	2	—	0	5	7	0.4	12.4	76	Fine. • showers 18 h. 15 m.		
25	1010.8	1005.1	85.8	81.3	87	8.2	0.1	0.1	14.6	10.8	99	99	225	2	315	3	8	10.0 <sup>2</sup>	30.9	0.2	79	o., with •.		
26	1010.8	1014.9	86.6	83.0	90	8.0	0.1	0.2	15.2	11.9	99	97	315	1	315	1	6	7	6.0	9.5	79	Fine. • showers 14 h.		
27	1020.6	1018.6	86.4	84.7	91	7.7	0.1	0.1	15.2	13.5	99	99	360	1	270	1	6	9	4.0	6.3	76	Fine.		
28	1011.8	1017.3	87.6	85.1	91	8.2	0.4	0.3	15.6	13.5	96	95	270	3	270	2	8	7	—	2.5	80	c.		
29	1018.9	1014.2	87.0	88.4	92	8.4	0.3	0.1	16.3	16.9	96	96	270	4	270	4	6	10.0 <sup>0</sup>	5.0	4.1	82	c. • n.		
30	1012.2	1012.5	87.8	84.8	92	8.5	0.3	0.1	16.3	13.5	97	99	270	2	—	0	9.0 <sup>0</sup>	5	—	5.2	84	• o. a. c.		
31	1009.8	1006.8	87.9	86.6	90	8.4	0.6	1.0	15.9	13.5	94	89	270	2	270	2	4	8	1.0	2.8	81	c.		
Mean	1011.5	1011.9	87.6	85.6	90.4	82.8	0.4	0.2	15.8	14.2	96	97	2.1	1.4	7.1	7.5	129.7	4.74	80.3					
Mean Pressure at Station Level.	1005.6	1006.0																						
x denotes the maximum and x the minimum value in the column.																								
METEOROLOGICAL OFFICE, LONDON.																								

x denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON,  
September 14th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—AUGUST 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=48.8 m.; Barometer, H<sub>b</sub>=50.3 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=1.2 m. Cups of Anemometer, h<sub>a</sub>=4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
			Dry Bulb.			Depression of Wet Bulb.		Vapour Pressure.		Percent-age.		Veer from North and Force or Speed.										
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
millibar.		a.	a.	a.	200 +	°	°	millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.					
1	997.3	997.3	87.1	85.6	89	8.4	0.9	1.4	14.2	12.1	89	84	230	6	220	4	2	1.8	10.6	Very fine. Showers evening.		
2	999.0	1002.0	85.6	83.8	88	8.4	1.4	0.6	12.1	12.0	84	93	210	6	210	2	8	10	3.0	5.4	Fine. ☉ showers	
3	1003.4	1002.0	86.7	84.4	87	8.2	1.7	0.4	12.6	12.7	81	95	180	5	90	2	5	10	0.2	10.3	Very fine. [showers to 15 h.	
4	1003.4	1005.4	86.1	83.6	87	8.4	1.9	0.6	11.8	11.9	78	93	310	3	—	1	7	1	11.7	6.2	Fine to 10 h. ☉ (sleet) ▲	
5	1000.7	999.3	84.2	83.9	86	8.2	0.2	0.6	13.0	12.1	98	93	40	7	10	11	10	10	2.6	—	☉ after 7 h. Dull. ≡ 18 h.	
6	1003.4	1009.5	83.7	82.3	85	8.2	1.5	2.1	10.5	8.8	82	75	330	8	330	5	10	10	—	—	Dull but fair.	
7	1014.5	1017.3	83.6	82.8	86	8.1	2.1	1.4	9.6	9.9	75	83	300	8	190	3	7	7	—	7.2	Fair to fine.	
8	1013.2	1010.5	84.8	85.0	87	8.3	0.6	0.2	12.7	13.5	93	97	120	4	150	5	7	10	≡ 0	0.7	☉ showers. ≡ 0 night.	
9	1011.2	1016.8	86.7	84.7	89	8.4	0.5	0.0	16.7	13.7	95	100	—	0	330	5	9	10	≡ 0	0.3	☉ a. Fine later. ≡ from 19 h.	
10	1019.3	1024.7	85.6	84.2	86	8.4	0.0	0.2	14.4	13.0	100	98	330	6	330	6	10	≡ 0	10	≡ 0	☉ ≡ 0 all day.	
11	1024.7	1026.1	83.9	83.5	87	8.3	1.2	0.3	11.0	10.7	86	85	330	3	320	3	9	≡ 0	10	—	1.7	≡ 0 early. Generally dull.
12	1025.7	1022.7	84.8	83.4	88	8.1	1.7	0.1	11.0	12.4	80	98	270	2	240	3	9	10	≡ 0	13.0	4.8	Fair to fine. ☉ evening.
13	1020.3	1018.9	86.4	85.8	89	8.3	1.4	0.6	12.9	13.6	84	92	270	8	260	9	9	10	—	—	4.6	☉ early. Fine all day.
14	1020.0	1021.3	85.3	83.4	87	8.4	2.8	1.7	9.8	9.9	87	80	290	6	280	3	10	7	—	—	3.7	Fair to fine.
15	1013.9	1010.5	84.6	85.3	87	8.1	1.3	1.3	11.5	12.1	85	84	190	7	260	9	10	9	—	2.8	0.4	Dull. ☉ 10 h. 30 m.-12 h.
16	1013.2	1007.8	85.2	83.4	88	8.3	1.7	0.6	11.2	11.7	80	93	250	4	270	8	9	10	≡ 0	4.1	2.7	Dull. ☉ all day.
17	1011.5	1011.5	83.9	80.9	86	8.1	2.0	1.2	9.9	9.0	76	86	280	6	350	4	9	7	—	0.5	4.8	Fine generally.
18	1012.5	1013.9	82.1	81.6	87	8.0	1.6	1.4	9.2	9.0	81	83	350	8	350	7	7	8	—	2.0	8.2	Fine and bright.
19	1015.9	1018.3	81.7	81.7	84	8.1	0.9	1.6	9.8	8.9	89	80	340	8	340	8	7	10	—	0.5	3.7	Passing showers.
20	1018.9	1020.0	82.3	82.8	85	8.1	1.2	1.5	9.8	9.8	85	82	340	7	340	10	10	10	—	0.4	0.6	☉ shower. Dull.
21	1019.6	1020.6	83.6	82.8	86	8.2	0.6	0.6	11.7	11.2	92	93	340	10	10	5	9	10	—	0.2	1.2	☉ showers. Dull.
22	1019.6	1018.9	82.8	81.3	85	8.1	1.1	0.7	10.4	9.8	86	91	340	3	—	1	10	1	—	—	1.9	Dull, but fair. ☉
23	1017.6	1018.3	83.9	83.9	85	8.0	1.1	1.1	11.2	11.3	86	87	180	3	—	1	10	9	—	—	2.1	Fair generally.
24	1016.6	1017.3	85.0	84.7	87	8.2	0.1	1.6	13.7	11.0	99	80	210	3	260	2	9	9	—	0.2	0.3	Dull. ☉.
25	1020.0	1023.0	83.9	82.3	86	8.2	1.1	1.2	11.2	9.9	86	84	290	5	290	3	10	5	—	—	2.7	Fair generally.
26	1025.7	1025.7	85.0	85.0	86	8.0	1.2	0.3	11.9	13.5	85	97	270	3	260	4	10	9	—	0.6	0.3	Dull. ☉.
27	1027.1	1031.1	85.6	85.0	88	8.4	0.7	0.4	13.3	13.2	92	95	240	5	270	3	9	8	—	0.2	0.6	Dull. ☉.
28	1033.8	1036.2	84.8	81.1	86	8.1	1.6	1.1	11.2	9.1	81	86	60	4	90	2	8	1	—	—	10.0	Dull. ☉
29	1034.9	1033.5	84.0	81.1	86	8.0	2.3	0.8	9.6	9.6	74	90	100	3	100	3	7	3	—	—	9.3	Fine day.
30	1029.8	1027.1	83.8	81.9	86	8.1	2.2	1.0	9.7	9.8	75	87	70	3	—	1	9	9	—	—	4.2	Fair to very fine.
31	1024.4	1021.7	83.7	83.3	88	8.1	1.9	1.0	9.8	10.9	77	88	100	2	160	6	9	9	—	—	3.1	Fair to fine. ☉ 18 h. ☉
Mean	1016.5	1017.1	84.6	83.4	86.7	82.0	1.3	0.9	11.5	11.2	85	89	5.0	4.5	8.6	7.8	45.0	3.70				
Mean Pressure (Station Level)	1010.4	1011.0																				



Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therm.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28' N$ . Long.  $1^\circ 54' W$ . Time, Local mean time, 7 m. after Greenwich.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_b = 11.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^\circ 49' N$ . Long.  $5^\circ 7' W$ . Time, Greenwich mean time.

Rain-gauge, 1.05 m. Lat. 52° 28' N. Long. 1° 54' W. Time, Local mean time, 7 m. after Greenwich.																								
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.									
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.											
millibar.		a.	a.	a.	a.	millibar.						Tenths of Sky covered.		mm.	hr.	a.								
1	1007.8	1010.5	200.7	200.4	200.4	87.5	85.9	91	83	2.2	1.8	12.5	11.7	76	80	247	3	9	9	—	5.4	81		
2	1009.6	1010.5	87.2	85.1	89	82	3.1	0.7	10.9	12.8	69	91	225	3	225	3	10	9	—	5.3	80			
3	1012.0	1013.4	87.4	85.1	91	81	2.9	0.7	11.4	9.8	70	70	247	4	247	4	5	5	0.8	8.4	76			
4	1013.1	1000.3	86.6	84.6	88	83	2.1	0.8	11.5	12.2	77	80	203	4	180	5	10	0	0.8	8.8	1.2	81		
5	998.0	1006.3	87.6	85.2	89	84	1.9	1.2	13.0	12.1	79	85	270	3	225	3	10	0	6	2.5	1.5	82		
6	1007.6	1016.0	85.1	84.7	89	84	1.4	2.7	11.6	9.5	82	69	293	5	315	3	10	0	9	—	2.7	81		
7	1020.6	1020.2	86.7	86.3	92	83	3.3	1.5	10.4	12.6	66	83	270	2	203	2	10	4	—	3.9	80			
8	1017.0	1014.4	89.8	88.7	94	83	3.1	1.9	13.2	14.0	70	80	180	4	203	4	5	9	0.5	8.1	80			
9	1014.4	1018.2	86.2	85.8	91	83	1.0	0.6	13.3	13.6	88	93	203	4	293	4	10	9	3.5	1.6	80			
10	1020.6	1021.6	86.6	85.9	90	84	2.3	1.4	11.5	12.4	74	84	315	4	315	3	10	0	2	—	2.9	82		
11	1025.4	1026.9	88.4	87.6	91	83	2.5	1.3	12.7	14.1	73	85	337	2	360	3	7	0	10	1.4	0.7	81		
12	1026.6	1025.9	86.2	87.3	90	84	0.4	0.3	14.3	15.6	95	90	1	45	1	10	0	10	0	23.2	—	80		
13	1024.8	1024.1	89.8	88.6	92	86	1.8	0.9	15.3	14.0	81	80	45	1	360	3	10	0	10	—	0.7	84		
14	1023.3	1024.7	87.3	87.6	91	83	1.7	0.8	13.2	15.0	82	90	315	3	360	3	10	0	10	—	0.4	79		
15	1024.5	1024.2	88.6	86.8	90	85	2.3	1.3	13.2	13.3	75	85	315	3	293	3	7	1	0	—	8.6	82		
16	1025.2	1022.4	88.3	88.7	91	85	2.3	1.7	13.0	14.4	75	82	270	3	247	2	10	6	—	—	—	82		
17	1019.2	1015.0	87.2	87.4	94	85	1.8	0.5	12.9	15.3	80	94	225	3	247	3	10	10	0.4	1.6	85			
18	1008.5	1012.1	87.8	83.1	88	82	0.6	1.2	15.6	10.4	94	85	225	4	23	3	10	10	0	1.5	—	81		
19	1013.7	1017.5	83.6	81.8	90	86	2.4	1.6	9.1	8.9	72	80	360	4	337	3	6	0	—	4.5	78			
20	1019.7	1022.1	84.0	82.7	88	80	2.3	2.4	9.6	8.5	74	71	315	4	315	4	9	5	—	4.9	76			
21	1021.2	1018.9	83.4	83.0	88	81	0.6	1.1	11.6	10.5	92	86	315	4	315	4	10	0	1.0	1.0	1.5	78		
22	1017.8	1020.2	84.7	83.7	89	81	1.8	1.4	10.7	10.7	78	83	315	4	315	4	9	10	4.0	3.0	79			
23	1019.0	1020.0	84.8	83.3	90	81	0.2	1.3	13.5	11.2	98	84	315	3	337	3	10	0	10	0.6	—	78		
24	1020.5	1020.4	84.3	85.9	90	82	1.3	2.6	11.2	10.6	84	72	337	2	337	3	10	0	10	0.5	0.4	81		
25	1020.9	1024.2	85.8	87.0	89	84	0.3	0.8	14.1	14.3	96	90	337	4	337	4	10	0	1.4	0.1	83			
26	1027.7	1028.2	86.6	86.4	92	84	3.4	2.1	9.9	11.9	96	77	45	2	180	1	0	0	7	—	7.3	81		
27	1029.3	1030.5	87.9	88.7	91	82	3.2	2.7	11.4	12.8	68	73	135	1	90	3	0	10	—	2.0	79			
28	1032.4	1032.5	88.3	87.5	90	83	2.4	1.7	12.8	13.3	74	80	293	1	90	3	0	10	—	3.4	75			
29	1033.4	1030.8	84.3	85.2	89	84	2.0	0.7	10.2	12.9	77	91	45	4	90	2	10	0	—	5.3	82			
30	1028.3	1025.4	83.0	83.7	89	81	1.1	2.3	10.6	9.2	87	73	23	2	67	2	10	0	5	—	0.9	77		
31	1024.1	1023.4	84.1	83.1	89	81	2.8	1.5	9.0	10.6	69	82	23	3	113	2	8	2	—	3.6	74			
Mean	1019.6	1023.1	86.4	85.8	90.3	82.8	2.0	1.5	12.0	12.2	79	83	3.0	3.0	8.2	7.1	50.1	2.94	79.9					
Mean pressure at station level.	999.7	1000.2																						

CAMBRIDGE, a.—AUGUST 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 12.8$  m.; Barometer,  $H_b = 13.1$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

[illegible]

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

$x$  denotes the maximum and  $n$  the minimum value in the column.



## ARMAGH, a.c.d.—AUGUST 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 62.2 m.; Barometer, H<sub>b</sub> = 63.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Cups of Anemometer, h<sub>a</sub> = 15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
			Dry Bulb.			Depression of Wet Bulb.	Vapour Pressure.		Percentage.	Veer from North and Force or Speed.												
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.		9 h.	21 h.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.							
		millibar.	a.	a.	a.	a.	millibar.						%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.	
			200+	200+	200+	200+															200+	
1	1004.0	1005.7	87.1	84.1	90	82	0.8	0.9	14.4	11.7	90	89	230	4	230	2	5	6	1.8	8.6	80	Fine. Occasional showers.
2	1005.4	1008.4	86.5	84.0	90	84	1.7	1.0	12.5	11.5	81	87	220	3	270	2	2	6	2.3	8.5	82	Fine. showers afternoon.
3	1009.1	1010.1	86.3	83.8	89	82	1.7	0.9	12.4	11.4	81	89	225	3	250	2	6	8	3.1	6.1	81	g. a. Violent squall 10 h.
4	1004.7	998.6	83.7	85.3	90	82	0.4	0.4	12.2	13.4	96	94	155	3	250	2	1	10	1.8	—	81	g. a. showers.
5	996.3	1001.3	86.6	85.1	89	84	1.6	0.6	12.6	13.1	82	93	—	1	340	2	9	10	3.1	0.6	82	most of afternoon.
6	1010.1	1016.6	85.4	84.4	90	82	2.1	0.9	10.8	11.9	76	88	330	3	300	2	4	10	—	4.4	80	Fine to c.
7	1018.3	1013.9	86.6	85.7	89	83	2.3	0.5	11.6	13.6	74	94	—	1	150	2	10	10	9.7	—	82	o. from 17 h.
8	1008.8	1010.8	87.9	85.9	93	85	0.1	1.2	16.7	12.7	100	87	170	5	230	2	9	9	3.0	6.2	85	g. a. showers afternoon.
9	1014.2	1021.3	86.7	84.3	90	84	0.4	0.4	14.8	12.6	95	95	—	1	320	3	10	10	0.5	0.9	83	o., with drizzling showers.
10	1023.0	1025.4	84.7	82.8	89	83	0.7	0.7	12.5	10.9	91	91	325	2	1	10	10	2	—	—	82	g. Clear n.
11	1027.1	1027.4	84.9	84.2	88	n 78	1.0	0.2	12.2	13.0	88	98	—	0	—	0	10	—	—	—	74	o. 18 h.—20 h.
12	1026.7	1026.1	86.8	84.7	90	83	1.4	0.2	13.1	13.3	84	98	—	1	—	1	9	4	—	0.5	81	c., with ∞.
13	1025.0	1024.7	86.6	87.1	92	84	0.8	1.2	13.1	13.7	90	86	—	1	—	1	10	9	—	—	80	o.
14	1024.7	1025.7	88.1	84.0	94	84	1.2	0.6	14.8	12.1	87	92	305	2	300	2	10	0	—	6.0	82	o. to fine. Clear n.
15	1023.7	1021.7	87.5	88.6	91	82	0.8	1.8	14.9	14.1	90	81	225	2	220	3	10	10	—	—	79	o.
16	1021.7	1017.9	89.1	87.7	93	87	1.1	1.4	15.9	13.9	88	84	220	3	225	3	10	0	0.3	0.8	87	o., with drizzling showers.
17	1013.5	1006.8	89.2	88.0	91	87	0.8	0.0	16.7	16.9	92	100	220	4	220	4	10	10	12.2	—	85	g. a. 2 afternoon and n.
18	1014.2	1017.3	83.5	80.7	88	80	0.4	0.7	12.1	9.4	95	91	360	2	1	1	9	0	1.5	6.5	79	2 showers. Clear, cold n.
19	1018.3	1021.3	82.9	80.4	89	n 78	1.6	0.9	9.8	9.0	82	89	360	2	10	1	8	0	—	9.0	74	Fine.
20	1023.3	1025.7	85.3	83.7	90	79	2.3	1.7	10.5	10.3	73	80	—	1	340	2	8	10	—	4.8	n 72	c. and cold.
21	1025.0	1022.3	84.5	83.0	n 87	82	2.8	0.7	9.2	11.0	n 69	91	330	2	—	1	10	10	0.3	—	82	o. and cold.
22	1021.0	1020.3	87.0	85.6	89	82	1.8	0.3	12.6	13.8	79	96	320	2	—	1	7	10	7.6	2.9	80	Fine a. 2 from 16 h.
23	1020.6	1020.6	85.8	83.8	88	82	1.9	1.4	11.5	10.7	78	83	—	1	—	0	4	10	0.3	3.4	78	Fine a. o. afternoon.
24	1020.3	1021.3	86.1	86.3	88	81	0.7	0.8	13.7	13.6	91	91	—	1	—	0	10	10	—	—	78	c.
25	1023.0	1027.4	87.3	83.5	90	84	1.7	0.8	13.2	11.4	82	90	—	1	—	1	5	10	—	—	85	Very fine.
26	1028.8	1028.8	86.6	84.2	92	n 78	1.8	0.0	12.3	13.2	79	100	—	1	—	1	5	10	—	12.6	74	Very fine.
27	1029.8	1030.5	86.5	86.2	94	82	1.3	0.5	13.0	14.2	84	95	—	0	—	0	10	10	—	9.2	76	Very fine.
28	1032.2	1031.8	85.1	86.1	94	81	0.0	0.9	14.0	13.4	100	89	—	0	—	1	10	10	—	8.2	77	Very fine.
29	1031.5	1029.8	88.5	86.2	94	79	1.5	0.4	14.6	14.4	84	95	—	1	—	1	10	10	—	6.4	76	Fine and warm, with ∞.
30	1027.7	1025.0	86.3	86.2	94	80	0.7	0.4	13.9	14.3	92	95	—	0	—	1	10	10	—	7.0	78	Fine and warm.
31	1023.7	1022.0	87.1	86.2	90	83	0.6	0.9	14.9	13.5	93	90	—	0	—	1	10	10	—	—	79	o., with ∞.
Mean	1019.2	1019.6	86.3	84.9	90.4	82.2	1.2	0.8	13.2	12.6	86	91	1.7	1.5	7.2	6.3	48.8	3.71	79.8			
Mean Pressure at Station Level.	1011.6	1011.8																				

## DUBLIN (PHENIX PARK), a.c.—AUGUST 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

1	1006.8	1008.1	85.9	85.3	90	83	1.3	1.6	12.5	11.5	85	81	315	4	315	3	8	7	1.3	10.4	80	Fine. 2 showers n.
2	1007.8	1009.8	88.3	84.4	90	83	2.6	1.1	12.5	11.9	73	87	270	3	270	2	6	5	2.8	7.8	79	Fine. 2 showers n.
3	1011.2	1012.2	87.7	84.2	90	82	2.3	0.9	12.5	11.5	75	88	270	3	270	2	6	8	2.0	8.8	79	Fine. 2 showers p. 2 showers n.
4	1005.7	999.3	86.3	85.6	90	82	0.5	0.4	14.2	13.9	94	95	225	2	270	1	9	10.0	8.3	—	80	o., with 2 n.
5	997.9	1000.3	86.9	85.4	90	83	1.8	0.7	12.5	13.2	79	92	270	3	315	3	8	10.0	1.9	3.9	81	c. 2 p. 2 showers n.
6	1011.5	1017.3	87.5	85.8	90	82	2.5	2.2	12.2	11.2	73	76	315	4	315	2	6	7	—	6.2	79	c., with 2 n.
7	1019.3	1015.2	87.0	86.2	90	82	3.5	2.0	10.2	11.9	84	77	315	1	225	2	9	9.0	6.6	3.0	80	c., with 2 n.
8	1010.5	1012.2	87.2	86.3	94	84	2.8	2.1	14.9	11.9	73	77	270	3	—	0	8	4	2.0	5.0	81	c., with 2 showers n.
9	1015.9	1020.6	87.6	85.9	91	85	1.7	1.9	13.2	11.5	81	79	315	2	315	3	9	7	—	3.6	81	c.
10	1023.7	1024.7	86.4	86.4	90	84	2.2	1.2	11.9	13.2	76	85	315	2	—	0	9	9	—	0.2	83	o.
11	1027.1	1026.7	85.7	84.5	89	83	2.0	1.3	11.2	11.2	77	84	—	0	—	0	9	10.0	2.7	0.4	83	o., with 2.
12	1026.4	1025.4	86.4	86.2	89	84	0.8	0.7	13.9	12.9	90	86	135	1	—	0	10	10	—	—	84	o.
13	1025.0	1025.0	89.6	86.9	91	82	2.8	0.2	13.2	14.6	72	92	—	0	—	0	8	9	—	2.4	80	c.
14	1025.0	1024.7	89.6	88.9	91	82	1.6	1.2	15.6	15.6	83	86	315	2	—	0	9	6	0.6	3.1	84	c.
15	1025.0	1024.0	89.0	88.7	92	82	1.5	1.1	15.2	15.6	84	88	270	2	270	3	8	8	—	0.9	77	o. most of day.
16	1023.7	1020.3	89.7	89.1	92	87	1.7	1.2	15.2	15.9	82	87	270	4	270	3	9	7	—	0.0	85	o. most of day.
17	1016.2	1008.1	89.2	89.2	92	86	1.1	1.6	16.3	15.2	88	83	225	3	270	4	9	10.0	6.5	0.8	84	o. most of day, with 2.
18	1013.5	1016.2	85.4	82.4	89	82	2.4	1.6	10.5	9.5	72	80	360	3	360	2	8	5	0.7	6.1	81	Fine. 2 showers 17 h. 30 m.
19	1018.3	1020.0	84.3	80.6	87	77	2.8	0.7	9.1	9.5	68	91	360	3	—	0	6	5	0.9	10.3	73	Fine.
20	1024.0	1024.0	85.4	85.9	89	76	2.4	2.3	10.5	10.8	73	74	360	3	360	1	4	5	—	3.8	71	c.
21	1025.0	1023.0	84.7	84.7	87	83	2.3	1.8	10.2	10.8	73	79	315	2	—	0	9	8	—	—	80	o.
22	1021.7	1021.3	87.9	85.8	91	82	2.6	0.4	12.2	13.9	73	94	315	2	315	1	7	10.0	3.7	4.7	80	c. 18 h. 30 m.
23	1021.0	1021.0	88.1	83.7	89	84	1.8	1.2	13.5	10.8	80	85	315	2	—	0	8	10.0	0.7	0.9	84	2 7 h. c. 17 h. 30 m.
24	1021.0	1021.7	88.4	86.8	90	82	1.9	0.8	13.9	14.2	79	90	315	2	—	0	8	7	—	1.8	81	2 3 h. c.
25	1023.7	1026.4	87.9	85.1	91	85	1.7	1.4	13.5	11.5	81	83	360	1	360	1	9	13	—	3.8	84	c.
26	1028.4	1029.1	87.4	81.1	90	76	2.7	0.3	11.9	10.2	72	96	135	1	—	0	4	10.0	—	12.4	73	Fine. 2 p.
27	1029.8	1030.5	89.0	82.8	91	77	2.6	0.3	13.2	11.5	74	96	360	1	—	0	2	10.0	—	10.4	75	Fine.
28	1031.8	1031.8	89.6	83.0	94	80	1.8	0.2	15.2	11.9	81	97	—	0	—	0	0	10.0	—	9.7	76	Fine.
29	1031.1	1029.4	91.9	87.6	93	80	2.7	3.1	15.9	11.2	74	69	—	0	—	0	0	10.0	—	7.3	79	Fine. 2 p.
30	1027.7	1026.1	86.8	83.2	92	82	0.4	0.2	14.9	12.2	95	97	—	0	—	0	10.0	—	4.2	79	c., with 2.	
31	1024.0	1022.7	88.7	86.1	89	81	2.4	0.8	13.2	13.5	75	90	90	1	—	0	3	10.0	—	0.9	78	c., with 2.
Mean	1020.0	1019.9	87.7	85.4	90.4	82.1	2.0	1.2	13.1	12.4	78	86	—	1.9	—	—	7.0	7.1	47.7	4.32	79.7	
Mean Pressure at Station Level.	1014.2	1014.0	x denotes the maximum and n the minimum value in the column.																			
METEOROLOGICAL OFFICE, LONDON. October 1924, 1920																						



## FORT WILLIAM, INVERNESS-SHIRE, a.c.—SEPTEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 52.1 m.; Barometer, H<sub>b</sub> = 11.6 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
			Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.								
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.			
millibar.		a.	a.	a.	a.			millibar.		%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
1	1020.6	1020.3	85.2	82.5	81	82	1.7	1.2	11.3	10.0	80	85	270	2	225	1	10	4	0.5	Dull at first. Sunny after 10 h.
2	1012.8	1009.5	85.1	85.6	86	81	2.1	0.4	10.6	13.7	75	95	—	0	225	1	10	10	4.1	☉ all day.
3	1014.5	1010.5	85.1	83.6	88	82	2.7	1.6	9.8	10.3	70	81	—	0	225	2	10	10	8.9	Generally fine. ☉ after 21 h.
4	1004.4	1011.2	85.1	83.0	88	82	2.1	1.6	10.6	9.8	75	81	225	3	270	3	9	10	2.5	Mostly fair. Boisterous.
5	1009.8	1010.1	84.7	84.7	87	82	1.7	0.6	10.9	12.6	80	93	225	1	225	1	10	10	1.5	Dull, but fair. ☉ 21 h.
6	1011.2	1016.9	85.3	85.8	88	84	0.8	1.3	12.8	12.4	90	85	270	3	225	2	7	10	0.3	Generally fine and sunny.
7	1019.3	1019.3	85.2	85.2	88	83	1.1	1.1	12.2	12.2	87	87	270	2	225	1	10	5	0.8	Alternate sun and cloud.
8	1016.2	1016.9	85.5	85.2	89	84	0.3	0.6	13.9	13.2	96	93	—	0	225	1	10	10	0.5	Intermittent ☉ = ☉.
9	1012.2	1010.1	88.0	83.0	89	83	1.7	0.1	13.7	12.1	82	99	225	3	225	2	10	10	22.4	Dull. ☉ showers.
10	1014.5	1021.0	83.1	83.6	89	81	0.7	1.2	11.3	10.9	92	85	225	2	225	2	9	10	5.6	Showers early. Sunny p. ☉ 21 h.
11	1018.9	1015.6	84.3	86.6	87	83	0.8	0.2	12.0	15.0	90	97	225	3	225	3	10	☉ = ☉	5.3	Muggy, with ☉ = ☉.
12	1014.5	1011.8	87.4	86.3	89	86	1.0	0.2	14.4	14.6	89	96	225	3	270	2	10	10	7.6	Fair till 17 h., then ☉.
13	1014.2	1019.3	87.3	83.9	93	84	1.6	1.5	13.4	10.6	82	82	225	2	—	0	7	2	0.3	Fine and sunny. ☉ 21 h.
14	1012.8	1006.4	81.9	84.8	87	79	0.6	0.4	10.5	13.1	93	96	—	0	225	2	10	10	5.8	Dull and showery.
15	1007.8	1008.1	83.6	81.9	88	81	0.6	0.7	11.9	10.3	93	92	—	0	225	2	10	10	4.1	Dull and showery.
16	1006.1	997.9	81.2	80.4	86	78	0.9	1.4	9.6	8.3	88	82	—	0	—	0	10	0	—	Fine and sunny. [then fair.]
17	995.9	997.9	81.3	80.1	85	78	1.6	0.4	8.7	9.4	80	94	45	2	—	0	10	7	1.8	Dull. ☉ showers 14 h.-17 h.
18	994.9	996.6	82.3	80.9	86	79	0.9	0.4	10.2	10.0	88	95	45	3	45	2	7	10	1.8	Generally fine. ☉ after 18 h.
19	1002.4	1009.8	81.9	80.8	86	77	1.7	1.0	8.9	9.1	79	87	270	1	—	0	10	7	0.3	Alternate sun and cloud. ☉.
20	1012.8	1017.9	80.8	77.8	83	77	1.1	1.2	9.0	7.1	86	84	270	2	—	0	10	10	3.0	☉ showers. ☉ on hill tops.
21	1025.4	1028.8	81.3	78.7	87	75	2.6	0.7	7.5	8.2	69	90	45	1	—	0	0	☉ ☉ ☉	—	Very fine and bright. ☉.
22	1029.1	1025.0	78.0	82.4	87	73	1.0	1.7	7.4	9.3	86	79	—	0	180	1	8	10	—	Fine and sunny.
23	1022.0	1022.7	84.4	84.2	85	81	1.9	0.1	10.3	13.0	77	98	225	4	225	1	10	10	2.3	Dull. ☉ showers.
24	1021.0	1018.6	86.3	85.2	92	82	2.3	2.3	11.4	10.5	74	74	225	2	180	1	10	10	5.1	Fine and sunny.
25	1014.9	1013.9	85.5	87.3	89	85	0.3	0.8	13.9	14.7	96	90	225	3	225	3	10	10	7.1	Dull. ☉ showers.
26	1016.6	1014.2	85.6	88.6	91	84	1.0	1.7	12.7	14.3	88	82	225	3	225	3	10	9	2.8	Generally fine.
27	1011.8	1016.9	86.3	86.1	89	86	0.5	0.3	14.2	14.4	94	96	225	2	270	2	10	10	25.7	☉ all day.
28	1020.0	1019.3	85.8	85.8	91	82	0.5	1.7	13.7	11.8	94	81	225	1	—	0	10	☉ ☉ ☉	0.3	Showers at first. Fine after 13 h.
29	1018.9	1015.2	89.1	88.6	91	85	3.6	3.3	11.7	11.6	70	66	180	3	180	3	10	8	—	☉. Generally fine.
30	1011.2	1007.1	88.0	89.1	90	86	2.9	3.3	11.8	12.2	70	67	158	4	180	2	8	10	0.8	Fine and sunny.
Mean	1013.6	1013.6	84.5	84.1	88.2	81.5	1.4	1.1	11.3	11.5	84	87	1.8	1.4	8.8	8.0	121.2			
Mean Pressure at Station Level.	1012.2	1012.2																		

## DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 84.5 m.; Barometer, H<sub>b</sub> = 86.6 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1022.0	1023.0	85.8	84.1	88	83	1.7	1.1	11.9	11.5	81	86	293	4	270	1	4	8	8.9	7.8	81	Fine.	
2	1016.2	1012.5	84.7	86.3	89	83	0.2	0.0	13.2	15.2	97	100	225	1	337	1	10	10	7.6	—	82	☉, with continuous ☉ till 16 h.	
3	1015.9	1014.5	86.1	85.2	87	85	1.9	1.1	11.5	12.2	78	86	337	3	203	2	7	8	7.6	3.9	85	Fine to fair. ☉ 23 h.	
4	1009.5	1016.2	86.3	84.1	88	84	1.1	1.1	13.2	11.5	87	86	270	4	270	2	7	10	1.8	5.3	84	☉ early. Fine, but q.	
5	1012.2	1014.2	86.9	86.3	90	83	0.3	0.0	15.2	15.2	97	100	270	2	270	2	10	10	7.9	1.0	81	☉. o. to c. ☉ p.	
6	1015.2	1019.6	86.9	84.9	89	85	1.1	0.8	13.9	12.5	87	89	270	3	315	3	8	10	—	2.0	86	☉.	
7	1021.7	1021.7	85.2	85.8	88	84	1.1	0.0	12.2	14.6	86	100	293	1	203	1	8	10	0.5	0.8	82	Dull and c. ☉ after 20 h.	
8	1020.0	1019.6	86.9	83.8	90	84	1.7	0.6	12.9	11.9	81	93	270	3	315	1	7	10	0.5	8.5	85	Fair to fine. ☉.	
9	1017.6	1014.9	86.9	83.0	89	83	0.3	0.0	15.2	12.2	97	100	225	2	270	2	10	10	8.4	0.8	81	☉ a. Dull and c. ☉ 18 h.-20 h.	
10	1021.0	1025.7	84.7	84.1	89	82	1.7	0.6	10.8	12.2	80	93	270	5	247	1	2	10	—	11.5	80	☉ a. Dull and c. ☉ p.	
11	1024.4	1021.3	85.8	85.8	88	84	1.1	0.3	12.9	14.2	87	97	203	3	203	3	8	10	0.8	0.4	81	☉ a. Dull and c. ☉ after 16 h.	
12	1018.9	1015.6	86.9	87.4	90	86	1.1	0.6	13.9	15.2	87	93	157	3	203	1	10	10	—	3.4	85	☉ a. and p. ☉.	
13	1016.6	1021.0	85.8	83.3	90	84	0.7	0.8	13.5	11.2	91	89	293	2	337	1	8	10	—	6.9	85	☉ a. and p. ☉. Dull Fine after 10 h.	
14	1017.9	1018.6	86.1	86.9	87	82	0.8	0.6	12.5	15.9	90	100	180	3	270	3	10	10	8.9	0.1	80	c. to o. ☉ 9 h.-19 h. q. [noon.]	
15	1010.5	1012.2	84.9	83.0	89	83	0.8	0.6	12.5	11.2	89	93	315	2	293	1	7	10	8	2.5	8.8	82	Fine. ☉ 19 h.
16	1005.7	995.6	85.2	83.0	88	82	1.7	0.6	11.2	11.2	80	93	157	1	225	2	8	10	14.0	2.4	78	☉ a. c. to fine. ☉ after 19 h.	
17	999.0	997.6	84.1	84.9	87	81	1.7	0.8	10.5	12.2	80	89	247	3	157	2	3	10	1.5	8.2	80	☉ early. Fine, but q.	
18	994.9	995.9	85.2	81.3	87	80	1.7	0.6	11.2	10.2	80	93	203	2	315	1	4	10	1.3	9.0	78	☉ early. Fine. ☉ 20 h.	
19	1005.4	1011.5	84.7	80.8	86	81	2.2	0.6	10.2	9.8	74	93	315	2	293	1	4	10	0.5	7.6	79	☉ a. Fine. ☉ 20 h.	
20	1015.6	1015.6	83.6	80.8	85	80	2.8	1.1	8.8	9.1	68	86	315	2	337	2	7	10	0.8	—	77	☉ a. Dull and c. ☉ after 16 h.	
21	1021.0	1026.7	81.9	83.0	86	79	1.7	1.7	8.8	9.8	79	80	45	4	45	2	6	10	—	7.6	76	Fine, but q.	
22	1028.8	1027.4	84.7	80.8	89	80	1.9	1.1	10.5	9.1	77	86	315	1	360	1	0	10	—	10.7	77	☉ a. and p. ☉. Very fine.	
23	1026.4	1026.4	85.8	85.2	89	80	1.7	0.6	11.9	13.2	81	93	135	2	157	2	7	10	—	6.1	77	☉ a. and p. ☉. Dull to fine.	
24	1025.4	1022.0	85.8	85.2	89	80	0.6	0.6	13.5	13.2	93	93	180	2	157	1	8	10	—	7.7	81	☉ a. and p. ☉. Fine. [fine.]	
25	1019.6	1019.6	85.8	85.8	87	85	0.0	0.0	14.6	14.6	100	100	203	2	203	2	10	10	—	0.3	81	☉ = ☉ a. ☉. Dull, with ☉ at times.	
26	1020.3	1019.3	86.9	86.6	87	85	0.0	0.3	15.9	14.9	100	100	225	3	225	3	10	10	—	—	85	☉ = ☉ a. ☉. ☉, with ☉ at times.	
27	1019.3	1021.0	86.3	86.3	89	86	0.6	0.6	14.2	14.2	93	93	225	3	225	3	8	10	—	—	85	Dull and c. q.	
28	1023.0	1021.3	87.2	85.8	89	85	1.4	1.1	13.5	12.9	84	87	135	2	90	1	8	10	—	7.1	82	☉ a. Fine. ☉ p.	
29	1019.6	1014.9	86.7	86.3	89	85	0.6	0.6	14.2	14.2	93	93	135	5	113	5	7	10	—	5.1	81	☉ a. c. q. ☉ p.	
30	1010.5	1004.7	86.1	86.3	89	85	0.8	0.0	13.2	15.2	90	100	113	4	113	3	10	10	—	16.8	84	☉ a. Dull and c. ☉ 20 h.	
Mean	1016.5	1016.3	85.6	84.6	88.2	82.8	1.2	0.6	12.6	12.7	86	93	2.6	1.9	7.2	5.5	90.6	4.50	81.4				
Mean Pressure at Station Level.	1006.0	1005.8																					
x denotes the maximum and n the minimum value in the column. Temperatures at or below the normal freezing-point of water are printed in small type.																							



## ARMAGH, a.c.d.—SEPTEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	Dry Bulb.			Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.						
			9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								
	millibar.		a.	a.	a.	a.			millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.		
1	1023.7	1021.0	87.8	84.8	91	81	2.3	0.4	12.6	13.1	76	95	300	2	230	2	3	10 <sup>0</sup>		
2	1012.8	1013.2	87.3	87.4	90	84	0.1	0.3	15.9	15.6	99	96	210	5	1	10	10	0.6		
3	1020.6	1011.5	85.8	85.1	89	84	1.7	0.2	11.9	13.6	81	97	1	210	3	10	10	2.8		
4	1012.2	1016.9	86.1	84.4	90	84	2.1	0.8	11.5	12.0	77	89	310	4	280	2	9	8		
5	1012.2	1014.2	88.3	87.7	90	84	0.2	0.0	16.9	16.6	97	100	280	3	265	2	10	≡		
6	1016.9	1020.6	86.7	85.7	89	86	1.1	0.7	13.5	13.3	87	92	300	3	315	2	10	—		
7	1021.0	1019.6	86.3	87.8	89	84	1.3	0.4	13.0	15.9	86	96	1	190	2	9	10	0.0		
8	1019.6	1017.3	87.7	87.3	92	85	1.4	1.0	13.9	14.3	83	88	220	2	190	2	8	10		
9	1014.5	1016.6	87.8	81.8	90	82	1.1	0.4	14.8	10.6	88	95	200	3	1	10	0	0.4		
10	1022.0	1024.4	85.3	84.6	90	80	1.7	1.4	11.4	11.2	80	83	220	3	205	2	1	0.2		
11	1020.3	1018.3	85.1	87.8	90	84	1.0	0.8	12.3	15.2	87	91	200	6	200	5	10	0.3		
12	1015.9	1013.5	86.8	87.6	92	85	1.1	0.4	13.6	15.6	87	95	190	4	230	2	9	0.7		
13	1017.3	1020.3	87.9	84.3	91	84	1.7	0.7	13.6	12.2	81	92	1	0	9	2	2.6	7.9		
14	1012.2	1010.5	84.2	84.5	92	82	0.3	0.9	12.7	11.9	97	88	180	7	280	2	10	1.5		
15	1010.5	1011.2	85.3	80.8	89	81	1.3	0.6	12.1	9.7	84	92	1	1	4	1	0.5	7.4		
16	1003.7	994.6	85.2	81.7	87	78	2.1	0.2	10.6	10.9	76	98	1	0	200	2	10	2.3		
17	997.6	995.6	83.4	82.1	88	79	1.3	0.7	10.6	10.5	85	91	220	4	1	8	5	3.1		
18	994.6	997.6	80.6	80.7	88	76	0.4	0.4	9.8	9.8	95	95	1	0	315	2	10	5		
19	1005.1	1012.8	85.0	79.1	88	79	2.5	0.3	9.9	9.0	97	96	1	1	1	0	1.3	8.1		
20	1016.9	1016.9	82.4	77.4	88	77	0.5	0.6	10.9	9.6	94	92	1	1	1	6	0	4.4		
21	1024.0	1028.4	82.8	77.9	85	76	1.9	0.2	9.3	8.4	77	98	1	1	0	2	1	8.3		
22	1029.4	1026.7	80.2	80.1	89	74	0.2	0.6	9.9	9.2	98	92	1	0	210	2	3	7.6		
23	1025.0	1024.0	84.5	83.1	90	78	1.6	1.0	11.0	10.7	81	87	200	2	205	2	4	0		
24	1022.3	1019.3	85.7	86.6	90	80	1.6	1.2	11.9	13.3	82	87	190	6	210	3	1	7		
25	1016.9	1015.9	88.4	88.7	90	85	0.8	1.9	15.9	14.0	91	79	200	5	200	3	9	10		
26	1017.6	1016.2	87.5	87.9	90	85	0.7	0.6	15.1	15.7	91	94	200	2	190	4	9	2		
27	1013.9	1018.3	88.6	87.9	91	86	1.3	0.6	15.0	15.7	86	95	200	8	200	4	8	5		
28	1019.6	1017.9	86.9	86.6	90	86	1.2	1.1	13.6	13.5	86	87	160	4	170	4	10	3		
29	1016.2	1010.8	87.0	86.4	90	86	1.0	0.8	14.1	13.9	88	90	150	5	120	5	10	1		
30	1005.7	1003.0	88.4	84.1	90	84	1.8	0.1	14.0	12.9	80	99	120	7	220	2	2	10		
Mean	1015.3	1014.9	85.8	84.4	89.6	81.8	1.2	0.6	12.7	12.5	86	92	3.1	2.2	6.9	5.9	57.6	3.73	80.1	
Mean Pressure at Station Level.	1007.6	1007.2																		

## DUBLIN (PHENIX PARK), a.c.—SEPTEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Time, Local mean time, 25 m. after Greenwich.																	
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.			Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	Dry Bulb.			Depression of Wet Bulb.	Vapour Pressure.		Veer from North or Force or Speed.		9 h.	21 h.					
	millibar.		200+ 200+		200+ 200+		millibar.				Tenths of Sky covered.		mm.	hr.	200+		
1	1024.7	1022.7	85.7	85.2	90	82	1.7	0.8	11.9	12.9	80	90	315	2	0	3	
2	1014.9	1015.9	87.7	88.6	90	84	0.8	1.2	15.2	15.2	91	87	225	4	225	2	10.0
3	1017.6	1016.2	87.4	84.2	90	84	2.1	0.5	12.5	12.5	77	94	315	1	0	10	10.0
4	1014.2	1015.6	88.2	85.6	90	84	2.6	1.8	12.5	11.5	73	79	315	3	315	2	7
5	1014.2	1015.6	90.3	88.4	92	84	1.1	0.6	17.3	16.3	89	94	270	4	270	4	9.0
6	1017.6	1018.6	88.8	86.4	91	86	1.8	1.7	14.2	12.5	81	81	315	3	0	8	7
7	1021.7	1021.0	86.3	88.3	90	82	0.8	0.7	13.5	15.9	91	92	1	0	0	10.0	4
8	1020.6	1018.6	88.5	86.3	93	85	3.1	0.2	11.9	14.9	68	98	315	1	0	5	6
9	1016.2	1016.9	90.1	83.2	90	82	2.2	0.2	14.9	12.2	77	97	225	1	225	1	7
10	1024.0	1025.4	86.9	80.8	90	79	2.6	0.3	11.5	10.2	72	96	315	4	0	3	1
11	1022.0	1020.0	86.9	87.2	91	80	2.2	0.9	12.2	14.6	76	89	225	2	225	2	9
12	1016.6	1014.9	82.1	88.6	94	82	3.5	1.7	14.6	14.6	67	82	225	2	225	2	6
13	1018.6	1020.6	88.7	81.9	91	82	2.9	0.3	12.5	10.8	71	97	315	2	0	5	0
14	1013.9	1011.2	87.0	87.4	92	79	1.1	0.8	13.9	14.9	88	90	225	3	225	3	8.0
15	1011.5	1008.8	86.8	80.4	90	80	2.7	0.2	11.2	9.8	71	97	315	2	0	6	7
16	1003.7	995.9	86.3	82.5	88	78	2.4	0.9	11.2	10.5	73	89	225	2	225	2	6
17	998.6	996.9	86.3	80.8	89	79	2.9	0.4	10.5	9.8	69	94	225	3	225	2	6
18	994.9	997.9	85.4	81.8	88	75	2.1	1.1	10.8	9.8	76	86	270	1	315	2	6
19	1006.4	1012.2	85.8	77.9	87	77	3.5	0.3	9.5	8.1	64	95	315	2	0	4	3
20	1017.3	1016.9	83.2	81.4	86	74	1.3	0.6	10.5	10.2	84	93	225	1	225	1	9
21	1023.0	1026.7	82.5	78.4	85	75	2.3	0.1	8.5	8.8	72	98	45	2	0	7	3
22	1028.4	1027.4	85.9	77.1	87	77	2.1	0.2	11.2	7.8	76	97	90	2	0	5	1
23	1026.1	1025.0	87.7	81.9	91	77	3.4	3.2	10.8	7.1	65	93	225	2	0	4	6
24	1023.7	1019.6	89.7	86.7	90	77	3.9	1.8	11.9	12.5	63	79	225	2	0	2	6
25	1018.3	1017.9	91.2	88.4	95	81	2.6	2.4	15.2	12.9	75	74	270	2	270	2	2
26	1018.6	1018.3	91.2	88.5	93	87	2.4	1.6	15.6	14.6	76	84	270	2	225	2	7
27	1017.3	1018.9	89.1	88.2	92	86	2.1	1.5	13.9	14.2	78	84	225	4	225	2	7
28	1020.0	1018.6	90.2	87.9	91	83	3.7	1.8	12.5	13.5	64	80	225	3	180	3	4
29	1015.9	1011.2	87.4	87.4	89	86	1.2	1.2	14.2	14.2	86	87	180	2	180	1	10
30	1005.4	1004.0	87.4	83.7	89	84	1.4	0.6	13.9	11.9	84	93	135	2	0	9	8
Mean	1016.2	1015.7	87.7	84.5	90.1	80.9	2.3	1.0	12.6	12.2	76	89	2.2	1.1	6.5	5.1	33.0
Mean Pressure at Station Level.	1010.3	1009.8															

0.20 h.-midnight.  
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early. Fine.  
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c., with o.  
Fine.  
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Fine.

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Fine.  
Fine.  
2 a. c.  
Fine. o. showers 15 h.-16 h.  
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Fine. o. showers 18 h.-19 h.  
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z denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.  
November 11th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNES, ORKNEY, a.b.c.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=48.8 m.; Barometer, H<sub>b</sub>=50.3 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=1.2 m. Cups of Anemometer, h<sub>a</sub>=4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	Dry Bulb.			Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.						
			9 h.	21 h.	21 h. to 21 h	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		a.	a.	a.	a.	millibar.						m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.		
1	1009.1	1002.0	200+	200+	200+	200+	0.3	0.1	13.5	13.8	96	99	110	8	110	11	10=0	10=0	2.0	—	≡ 15 h.-18 h.
2	1001.0	996.6	84.4	85.0	86	x 84	0.1	0.6	13.4	13.0	100	93	120	11	120	13	10=0	10=0	x 5.2	—	≡ 0. ● most of day.
3	1001.0	1004.4	85.4	85.2	86	x 84	0.6	0.7	13.7	12.9	93	91	140	10	120	17	5	9	—	4.0	Bright. 19 h. and 22 h.
4	1009.8	1014.5	84.4	84.1	86	x 84	0.7	0.4	12.2	12.5	90	95	120	16	130	15	10=0	10=0	3.7	—	1 h.-8 h. and 10 h.-12 h. ●
5	1013.9	1011.2	84.4	84.1	85	x 84	0.3	0.2	12.9	12.7	96	97	130	7	130	13	10=0	10=0	2.4	—	● showers. ≡ 0 ≡ 11. [showers.
6	1004.4	1002.7	85.1	84.6	86	x 84	0.1	0.1	13.8	13.5	98	100	150	9	130	7	10=0	10=0	0.9	—	≡ all day.
7	1002.7	1013.2	84.8	83.9	86	83	0.0	0.6	13.8	12.0	100	93	160	5	280	4	10=1	10=0	0.8	0.4	≡ 0= early. Clearing later.
8	1019.6	1020.3	84.9	84.5	x 87	x 84	1.0	0.2	12.2	13.2	88	98	260	3	180	4	9	3	—	5.3	Fine day. [18 h.-19 h.
9	1020.6	1023.0	85.6	85.0	86	82	0.6	0.1	13.4	13.7	93	99	170	3	170	3	3	9	0.2	8.2	≡ 10 h. 20 m.-11 h. 30 m. and
10	1024.7	1024.4	84.7	83.5	86	x 84	0.6	0.7	12.6	11.5	93	91	170	5	160	10	10=0	2	—	1.9	≡ till 14 h., then fine. W
11	1023.3	1022.3	84.3	84.7	86	83	1.2	0.8	11.4	12.3	85	89	160	11	160	8	8	10	—	5.3	Fine day.
12	1020.3	1018.3	84.7	83.9	86	x 84	0.8	0.2	12.3	12.7	89	98	170	6	160	6	2	0	—	5.8	≡ cleared at 9 h. Fine. D ∞ D ∞
13	1015.9	1015.9	83.1	82.8	x 87	82	0.4	0.4	11.6	11.4	95	95	—	1	—	0	9	10	0.1	7.0	Dull all day. D ∞ W
14	1016.2	1016.2	82.3	81.7	85	80	0.2	0.3	11.5	10.7	98	96	—	1	—	1	1	0	0.3	7.0	D ∞. Fine.
15	1014.5	1016.2	81.3	79.7	83	80	0.7	0.2	9.9	9.5	92	97	350	3	50	7	9	8	2.1	0.8	Dull. ● showers after 8 h.
16	1018.6	1021.3	80.8	80.6	n 82	n 79	2.1	2.7	7.9	7.0	75	83	90	5	150	5	4	4	—	4.0	Fair to fine. W
17	1026.4	1027.7	81.4	81.7	83	n 79	2.3	1.4	7.8	9.1	71	83	90	5	150	5	4	9	0.5	2.2	Fine day. ● shower 21 h. W
18	1027.1	1023.0	81.6	81.7	83	80	1.7	1.1	8.7	9.6	79	87	180	9	180	11	6	4	—	5.2	Fair to fine.
19	1018.9	1016.6	81.0	81.8	n 82	81	2.1	1.3	7.9	9.4	75	84	180	9	180	13	9	9	—	0.1	Dull all day.
20	1015.6	1012.5	82.7	82.7	84	81	0.6	0.9	11.0	10.6	92	90	180	11	180	8	10	3	—	—	∞. Dull, but fair.
21	1011.8	1012.8	84.6	83.3	85	82	0.7	0.1	12.3	12.3	91	99	180	4	170	3	2	0	0.1	5.8	Fine day. D ∞
22	1014.9	1017.6	83.8	83.3	85	83	0.7	0.4	11.8	11.8	91	95	150	4	140	3	10=0	3=0	—	1.5	≡ most of day. U
23	1017.3	1018.9	84.2	84.0	85	83	0.4	0.1	12.6	12.9	96	98	170	5	160	4	6	6	0.1	1.8	Fair to fine. U
24	1023.7	1028.4	82.8	82.8	85	82	0.0	0.4	12.1	11.4	100	95	170	5	170	2	10=1	10=0	0.1	—	≡ all day.
25	1031.1	1030.5	82.4	82.7	84	81	0.9	0.7	10.4	10.9	88	91	140	7	150	9	9=0	7	—	3.4	≡ a.; fine later.
26	1029.1	1026.7	82.8	82.8	84	82	0.8	0.6	10.7	11.2	90	93	160	13	170	9	0	0	—	8.0	Very fine. W
27	1025.4	1021.0	82.2	82.4	85	81	0.8	1.4	10.4	9.6	90	82	—	1	160	6	0	0	—	8.0	Very fine.
28	1017.9	1019.3	82.7	82.5	84	81	0.9	0.8	10.3	10.6	87	90	170	10	170	8	0	0	—	7.0	Very fine.
29	1018.9	1013.5	81.7	81.7	84	81	0.9	0.6	9.8	10.3	89	92	180	5	170	11	1	7	—	6.7	Very fine.
30	1004.0	997.6	81.1	82.7	84	81	1.1	1.7	9.1	9.5	86	80	160	19	150	18	10	10	—	—	0. 9 h. and 19 h.-24 h.
31	995.9	1001.3	82.1	82.2	84	81	1.4	1.2	9.5	9.8	83	85	130	24	130	16	10	10	—	—	0. 1 h.-13 h., 16 h., 23 h., and [24 h.
Mean	1015.9	1015.8	83.3	83.1	84.8	82.1	0.8	0.7	11.3	11.3	90	92	7.5	8.1	6.7	6.2	18.5	3.01			
Mean Pressure at Station level.	1009.8	1009.7																			



FORT WILLIAM, INVERNESS-SHIRE, a.c.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_b = 11.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^\circ 49'$  N. Long.  $5^\circ 7'$  W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
			Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.								
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
	millibar.		a.	a.	a.	a.	millibar.						%	%	Tenths of Sky covered.		mm.	hr.	a.	
1	1000.0	995.6	200.4	200.4	200.4	200.4	1.6	0.3	12.9	13.2	82	97	180	2	90	100	9	6.1	—	Dull. ● showers.
2	997.6	995.6	83.6	80.2	87	80	0.6	0.4	11.8	9.5	93	94	225	1	0	100	1	2.5	—	Dull. ● showers.
3	994.6	993.5	85.1	87.1	89	79	0.6	3.0	8.7	10.9	62	69	180	4	180	7	10	8.6	—	q. to all day. ● shower 21 h.
4	999.0	1006.8	87.4	86.1	89	86	1.7	1.4	13.3	12.5	81	84	180	3	135	3	10	9.4	—	Dull. ● showers.
5	1008.4	1003.7	87.4	88.9	90	84	2.1	2.7	12.6	13.0	77	73	135	2	135	5	10	12.2	—	Dull. ● showers. q. evening
6	1006.1	1001.0	86.3	87.4	90	86	0.7	1.6	14.0	13.4	92	83	135	2	225	1	10	10.9	—	Fine till 14 h., then ●.
7	1004.4	1015.6	85.2	84.7	89	84	0.7	1.1	13.0	11.7	92	86	225	3	—	0	10	0.8	—	● showers a. Fair p.
8	1021.0	1021.0	84.8	82.4	90	82	0.8	1.1	12.3	10.2	90	87	—	0	225	1	10	—	—	Fine and sunny. ∞
9	1021.7	1021.0	80.8	86.3	89	78	1.0	0.7	9.1	14.0	87	92	—	0	—	0	10	—	—	Fine, but ∞.
10	1023.0	1022.3	83.0	84.1	92	81	0.4	2.7	11.5	9.1	94	70	—	0	—	0	10	—	—	Very fine. Bright sun. W 21 h.
11	1022.0	1020.0	81.4	81.3	89	79	1.7	1.1	8.6	9.3	79	86	—	0	135	1	0	—	—	D. Very fine. Bright sun.
12	1019.6	1016.6	81.4	80.2	89	78	1.1	0.9	9.4	8.9	86	88	—	0	—	0	0	—	—	D. Very fine. Bright sun.
13	1016.6	1016.2	78.3	80.2	83	76	0.7	0.4	7.9	9.5	90	94	—	0	—	0	0	0.3	—	∞. Sunny intervals.
14	1014.9	1013.9	82.9	83.6	90	80	0.7	0.6	11.0	11.7	91	92	135	1	—	0	10	—	—	Fine and sunny.
15	1011.5	1011.5	84.6	83.0	85	83	1.6	1.3	10.9	10.3	81	84	135	1	45	4	10	—	—	Dull. ∞.
16	1015.9	1018.3	80.1	79.6	85	79	1.6	2.3	8.0	6.9	79	71	90	4	90	3	8	1	—	Fair to fine.
17	1021.3	1025.4	79.4	81.9	84	75	1.1	2.8	8.1	7.5	84	67	45	1	—	0	10	4	0.8	Alternate sun and ● showers.
18	1026.4	1021.7	80.8	80.8	86	79	3.3	3.3	6.4	6.4	61	61	135	5	135	3	1	—	—	Fine, clear, and sunny.
19	1019.6	1016.2	78.0	82.9	83	77	2.2	3.8	6.2	7.1	71	71	180	3	180	3	10	—	—	c. ∞
20	1013.5	1012.2	83.6	83.0	86	81	2.2	1.1	9.3	10.5	74	86	180	2	—	0	10	10	1.3	Dull. ∞. ● showers 21 h.
21	1010.8	1012.2	83.6	83.1	85	82	0.6	0.6	11.8	11.3	93	92	—	0	—	0	10	100	1.3	Dull. ∞. ● showers.
22	1015.6	1017.6	83.0	82.5	87	81	0.6	1.2	41.3	10.0	93	85	—	0	—	0	10	100	—	Fair to fine. ∞
23	1017.6	1018.9	87.4	85.1	89	82	2.1	0.5	12.7	10.0	78	72	—	0	180	2	10	3	—	Fair to fine. ∞. U 21 h.
24	1024.0	1027.4	81.8	79.7	87	79	1.0	0.7	9.8	8.8	87	90	—	0	90	2	6	3	—	Very fine and sunny. U
25	1030.1	1029.4	75.8	78.0	83	75	0.6	0.7	6.8	7.8	91	90	—	0	—	0	0	0	—	Very fine and sunny.
26	1028.4	1026.4	74.6	80.2	86	73	1.2	3.2	5.4	6.3	79	61	—	0	—	0	0	0	—	Very fine and sunny.
27	1025.7	1021.7	74.1	76.9	84	74	0.7	1.1	5.8	6.7	86	84	—	0	—	0	0	0	—	Very fine and sunny.
28	1019.3	1018.9	74.8	75.8	84	73	0.8	0.7	6.1	6.6	87	89	—	0	—	0	0	0	—	Very fine and sunny.
29	1020.3	1014.9	74.7	76.2	83	73	0.7	1.0	6.1	6.5	88	85	—	0	—	0	8	0	—	Very fine and sunny.
30	1003.7	993.5	81.9	85.8	86	75	1.8	3.5	8.8	9.2	78	64	225	3	225	5	10	10	21.8	● showers. q. at times.
31	989.1	992.5	83.0	84.1	86	81	1.8	2.2	9.6	9.7	79	74	225	5	135	4	10	10	0.8	● showers. q.
Mean	1014.2	1013.7	81.8	82.4	86.9	79.4	1.3	1.6	9.7	9.6	83	81	1.3	1.5	6.1	4.9	76.8			
Mean Pressure at Station Level.	1012.7	1012.2																		

## DOUGLAS, ISLE OF MAN, a.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

1	1000°3	995°9	84°7	82°4	87	82	0°6	0°6	12°5	10°8	93	93	113	2	270	2	8	10	11°7	0°6	80	● early. c. to o., with 13 h. 19 m.	
2	998°3	996°6	84°7	84°1	87	n 80	1°1	1°7	11°9	10°5	86	80	360	1	180	3	4	10	—	0°9	n 77	● 2 a. Very fine.	
3	994°2	991°9	85°2	86°3	87	83	1°7	0°6	11°2	14°2	80	93	135	6	135	10	7	10●	6°4	0°8	79	● c. to o. After 13 h.	
4	999°0	1004°0	86°3	86°3	89	84	0°6	0°6	14°2	14°2	93	93	135	5	135	3	8	4	14°2	5°4	84	● a. q. T 17 h. 30 m.	
5	1005°4	1004°0	85°8	86°9	89	86	0°0	0°9	14°6	13°9	100	89	90	2	225	2	10●=0	8	9°9	—	84	≡ 0 a. o. ● showers p.	
6	1004°0	1001°0	88°0	86°9	89	86	0°3	0°6	16°3	14°6	97	93	67	2	135	2	8	6	13°2	0°9	84	c. to o. ● showers after 18 h.	
7	1008°1	1016°6	85°8	83°6	87	84	0°1	0°6	14°6	11°9	99	93	203	2	337	1	10	0●	0°3	1°5	85	o. to c. Fine after 15 h.	
8	1021°3	1021°7	87°4	86°3	n 90	n 80	2°2	1°7	12°5	12°5	76	81	90	1	67	1	6	0●	—	9°9	n 77	● 2 a. and p. Fine.	
9	1021°7	1022°3	86°3	86°3	n 86	83	0°3	0°3	14°6	15°2	97	97	113	2	90	2	10●=0	10	—	0°2	81	Dull and c. ≡ 0 at times.	
10	1023°0	1022°0	86°3	84°7	89	85	1°7	1°1	12°5	11°9	81	86	90	2	113	2	0	10	—	8°9	82	D a. Very fine.	
11	1021°7	1018°9	85°2	86°1	86	84	2°2	0°8	10°5	13°5	74	90	113	4	90	3	10	10	—	—	82	o. q.	
12	1018°3	1016°9	84°9	85°3	87	84	1°4	0°6	11°5	13°5	83	94	113	4	45	1	10	0	—	2°8	84	● a. c.	
13	1016°9	1016°2	87°4	86°1	89	85	1°4	0°3	13°9	14°6	84	96	135	1	135	1	3	10	0°8	5°0	81	Fine till 14 h., then dull.	
14	1014°2	1012°5	85°5	85°8	88	85	0°8	0°0	12°9	14°6	90	100	113	2	113	1	8	4	0°8	2°0	84	Dull and c.	
15	1009°5	1009°8	85°8	85°2	87	84	0°6	0°6	13°5	13°2	93	93	113	1	113	1	10	3	—	—	82	o.	
16	1012°5	1015°6	84°1	82°7	85	82	0°8	1°4	11°9	9°8	90	83	90	4	90	5	10	2	—	—	80	c. to o.	
17	1018°3	1023°0	82°7	83°3	85	82	1°9	1°7	9°1	9°8	76	80	113	3	113	6	10	10	—	—	78	Fine, but q.	
18	1025°4	1023°7	82°4	81°6	84	81	2°5	2°5	8°5	7°8	n 70	n 70	113	4	135	6	3	6	—	1°4	80	c. to o.	
19	1021°7	1018°6	81°1	83°0	83	n 80	1°1	0°0	9°1	12°2	86	100	135	6	135	4	6	10	—	6°0	78	Fine, but q.	
20	1016°6	1014°5	83°6	84°7	85	83	0°6	0°6	11°9	12°5	93	93	135	3	135	3	10	10	—	0°4	78	o.	
21	1013°2	1013°9	83°8	85°2	85	84	0°0	0°0	12°9	14°2	100	100	113	2	135	1	10	10	—	—	82	o. ● before 18 h.	
22	1013°2	1021°0	84°7	85°8	86	84	0°3	0°6	13°2	13°5	97	93	203	1	203	2	8	10	—	1°4	80	c.	
23	1023°7	1021°3	85°5	84°7	86	84	0°3	1°1	13°9	11°9	96	80	157	2	203	1	10	7	—	—	83	o.	
24	1023°7	1026°7	83°0	83°0	85	81	0°6	1°1	11°2	10°5	93	86	90	1	90	1	9	0	—	—	3°4	79	c.
25	1029°1	1029°1	83°6	83°0	85	81	1°7	1°7	10°2	9°8	80	90	1	90	1	3	3	0	—	8°2	n 77	Fine.	
26	1028°1	1027°7	83°0	83°6	85	81	1°4	0°8	10°2	11°5	83	91	90	3	113	3	2	4	—	7°4	79	● a. Fine.	
27	1027°1	1022°7	81°9	82°4	85	82	0°6	0°6	10°5	10°8	93	93	113	2	113	2	8	4●	—	3°9	81	● a. and p. Dull to fine.	
28	1020°4	1020°0	80°8	82°4	n 83	81	0°6	0°6	9°8	10°8	93	93	113	3	113	3	8	8	—	0°3	80	● a. Dull.	
29	1021°3	1017°3	81°3	82°4	n 83	n 80	1°1	1°1	9°5	10°2	86	86	135	3	135	4	8	4	—	2°5	80	Dull to fine.	
30	1009°1	1000°0	83°6	83°8	85	81	1°7	0°8	10°2	11°5	80	89	157	5	157	5	10	10	4°6	—	80	o. q. ● showers after 17 h.	
31	989°8	986°1	81°9	83°0	85	81	0°6	0°6	10°5	11°2	93	93	135	8	113	10	10●	10●	24°1	—	81	Continuous ●.	
Mean	1014°6	1013°9	84°4	84°4	86°3	82°7	1°0	0°8	12°0	12°2	88	90	2°8	3°0	7°6	5°9	99°7	2°68	80°9				
Mean Pressure at Station Level.	1004°1	1003°5																					
x denotes the maximum and n the minimum value in the column. Temperatures at or below the normal freezing-point of water are printed in small type.																							

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

BIRMINGHAM (EDGBASTON) a.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28' N$ . Long.  $1^\circ 54' W$ . Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		Tenths of Sky covered.									
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		a.	a.	a.	a.			millibar.		%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.					
1	1001.1	999.2	200.4	200.4	200.4	200.4	0.8	0.7	11.7	10.9	89	91	157	3	225	2	8	8=0	3.9	3.0	75	Fine early. ● a. Bright 15 h.-18 h.		
2	997.9	1001.2	84.0	82.7	86	80	0.8	0.3	12.0	9.9	90	95	225	1	203	3	9=0	1	7.1	1.1	77	≡ <sup>0</sup> a. K <sup>2</sup> <sub>13</sub> h. 15 m.-13 h. 45 m. c		
3	1000.1	998.1	84.7	86.3	87	79	1.7	0.6	11.3	14.1	82	94	180	4	180	7	6	10=0	13.1	3.6	76	Fine a., then o., with ● showers		
4	1003.1	1008.1	86.2	85.9	87	85	0.6	0.1	14.0	14.6	93	99	157	4	157	3	10	10=0	7.4	—	84	● showers till 17 h.		
5	1006.0	1006.4	88.1	88.0	89.4	85	1.3	0.6	14.5	15.8	86	94	135	4	180	2	10=0	10=0	16.2	2.6	84	● early. o. till 10 h., then c.		
6	1002.3	1005.4	87.2	85.3	91	85	0.3	0.5	15.5	13.3	96	93	90	3	180	3	10=0	0	0.9	3.6	82	≡ <sup>0</sup> early. T <sup>8</sup> h. ● showers 11 h. Fine		
7	1009.8	1014.8	85.9	86.8	89.4	82	0.7	1.1	13.5	13.6	92	87	180	2	337	3	4=0	0=0	—	6.7	76	≡ <sup>0</sup> a. c. Beautiful afternoon.		
8	1020.5	1021.4	86.2	87.4	91	82	1.0	0.5	12.4	15.3	87	94	23	3	67	3	5=0	10=0	0.2	2.3	77	≡ <sup>0</sup> a. and p. c. to o.		
9	1021.6	1021.7	86.3	86.6	89	86	0.0	0.1	15.2	15.2	100	98	67	3	67	3	10=0	10=0	—	—	85	Thick wet ≡ <sup>0</sup> a. o. all day.		
10	1021.9	1021.3	84.9	84.3	87	84	1.7	1.3	11.1	11.2	80	84	67	5	67	4	9=0	10=0	—	1.3	82	≡ <sup>0</sup> a. c.		
11	1020.6	1019.1	85.1	83.7	87	84	1.1	0.7	12.1	11.6	87	91	90	3	90	3	10=0	0=0	—	—	80	g. and misty.		
12	1018.8	1018.1	82.7	84.0	89	82	0.3	1.0	11.5	11.5	96	87	113	2	157	2	10=0	0=0	0.5	3.3	74	g. a. Fine afternoon. ≡ <sup>0</sup> p		
13	1019.0	1018.1	84.3	84.0	90	83	0.6	0.7	12.3	12.0	92	91	203	2	157	2	8	0=0	0=0	4.6	77	● early. Fine.		
14	1015.9	1013.9	84.5	84.3	89	81	1.5	0.4	11.0	12.5	82	95	157	2	157	3	5=0	7=0	0.3	2.1	74	D <sup>2</sup> a. Fine to c. ● 23 h.		
15	1010.8	1009.7	85.7	84.3	88	84	0.9	0.6	13.0	12.8	89	97	180	3	225	3	8	10=0	0.3	1.2	81	c. to o. K <sup>0</sup> (mo) 15 h. 10 m.-16 h. 45 m.		
16	1011.0	1013.1	84.3	83.0	87	82	0.6	0.6	12.3	11.3	92	93	90	3	67	4	10=0	10=0	14.6	—	79	g. a. o. 16 h.—midnight.		
17	1016.6	1021.5	82.2	80.2	84	80	0.6	2.1	10.7	7.4	93	73	67	4	90	4	10=0	2	0.7	—	77	● n. till 13 h. o.		
18	1024.0	1023.6	79.9	77.7	83	76	2.9	1.8	6.3	6.4	86	75	67	4	67	3	0=0	0=0	—	8.1	72	Fine, but cold. Clear evening.		
19	1022.8	1020.8	77.8	78.7	83	75	0.8	0.8	7.5	8.1	88	89	90	3	113	2	10=0	0=0	—	2.1	71	≡ <sup>0</sup> a. o. till afternoon.		
20	1018.8	1017.2	81.2	82.6	84	78	0.9	1.2	9.3	10.1	87	86	135	3	157	3	10=0	10=0	—	—	75	Dull and misty.		
21	1015.3	1015.6	82.4	83.1	85	80	1.2	0.8	9.9	11.0	85	91	157	2	157	2	10=0	10=0	0.2	—	77	Dull and misty. Drizzling ● p.		
22	1019.8	1023.7	85.1	82.7	87	82	0.9	0.6	12.4	10.7	88	93	225	1	225	2	5=0	0=0	0.2	1.6	76	c. to o.		
23	1023.6	1022.0	82.4	81.7	86	80	0.2	0.8	11.5	9.9	98	89	180	2	113	2	10	2=0	—	1.5	71	c. and misty.		
24	1023.8	1025.9	76.9	80.7	82	76	0.1	0.5	7.9	9.8	98	94	67	3	67	4	10=0	10=0	—	0.2	n 70	o. and misty.		
25	1028.0	1028.5	81.7	80.0	86	79	1.1	0.8	9.6	8.9	87	90	67	4	67	4	10=0	0=0	—	5.0	77	≡ <sup>0</sup> a. Fine from noon.		
26	1029.0	1028.8	80.2	80.6	85	79	0.1	0.9	9.9	9.1	99	88	90	3	90	3	10=0	0=0	0.2	4.4	75	≡ <sup>0</sup> a. o. to fine.		
27	1028.6	1024.3	77.3	78.7	81	76	0.1	0.1	8.2	9.7	100	99	67	2	90	2	10=0	10=0	—	—	74	≡ <sup>2</sup> 9 h. o.		
28	1022.0	1020.6	77.6	78.7	82	76	0.1	0.6	8.3	8.3	100	92	90	3	67	3	10=0	0	0.2	0.8	71	≡ <sup>2</sup> 9 h. o. Clear evening.		
29	1021.6	1019.2	77.6	78.8	83	77	0.1	1.3	8.3	7.4	98	82	90	3	113	2	10=0	8=0	—	1.0	74	≡ <sup>0</sup> a. o. and misty.		
30	1014.3	1006.5	79.0	78.5	84	76	1.1	1.1	7.9	7.6	85	86	135	3	157	4	0	0=0	—	6.8	71	Fine. [from 17 h.		
31	996.5	987.8	77.6	82.2	83	n 75	0.3	0.6	8.1	10.7	96	93	135	3	113	6	10=0	10=0	11.1	—	72	Dull. ● noon. Continuous ●		
Mean	1015.6	1015.3	82.7	82.7	86.5	80.3	0.8	0.8	10.9	11.0	90	90	2.9	3.1	8.3	5.0	77.1	2.16	76.4					
Mean pressure at level.	995.7	995.4																						

CAMBRIDGE, a.—OCTOBER 1920.

Heights above Mean Sea Level :—Rain-gauge Site,  $H = 12.8$  m. ; Barometer,  $H_b = 13.1$  m. Heights above Ground :—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

[illegible]

$x$  denotes the maximum and  $n$  the minimum value in the column



## ARMAGH, a.c.d.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 62.2 m.; Barometer, H<sub>b</sub> = 63.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Cups of Anemometer, h<sub>a</sub> = 15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.							
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
	millibar.		a.	a.	a.	a.			millibar.	%	%		m/s.	m/s.	Tenths of Sky covered.	mm.	hr.	a.					
	200 +	200 +	200 +	200 +	200 +													200 +					
1	999.6	996.6	80.6	81.2	84	80	0.0	0.3	10.4	10.4	100	96	—	0	1	5≡ <sup>2</sup>	6	4.3	0.2	78	≡ <sup>2</sup> c. and cold. ● afternoon.		
2	997.6	993.2	80.6	82.3	87	76	0.0	0.1	10.4	9.8	100	87	—	0	160	3	8	0.8	7.7	74	Fine.		
3	986.1	985.4	84.5	86.4	87	81	1.1	0.2	11.7	14.9	88	97	145	9	170	6	10●	10● <sup>2</sup>	25.4	—	82	Strong wind and ●.	
4	994.9	1002.7	87.3	86.7	89	84	1.5	1.1	13.4	13.6	83	88	135	5	145	4	3	3	6.1	6.3	78	Fine.	
5	1003.4	1002.4	86.3	86.0	88	84	0.2	0.6	14.8	13.7	98	93	110	2	180	5	10	10≡ <sup>2</sup>	14.3	—	84	● <sup>2</sup> till 17 h. Clear n.	
6	1004.0	1000.3	83.7	86.0	86	81	0.0	0.0	12.7	14.9	100	100	—	1	0	0	10	10≡ <sup>2</sup>	27.2	—	77	≡ <sup>2</sup> a. and n. ● <sup>2</sup> .	
7	1008.8	1017.6	84.8	81.0	88	81	0.3	0.2	13.2	10.5	96	98	—	1	0	0	10	0	0.2	1.8	84	Dull and damp a. Clear n.	
8	1021.7	1021.3	79.8	80.7	90	77	0.1	0.2	9.8	10.2	98	98	—	0	1	0	0	0	—	5.8	74	≡ a. Fine afternoon.	
9	1020.6	1020.6	79.9	84.6	91	76	0.1	0.0	9.8	13.6	98	100	—	1	1	9	0	0	0.2	2.9	74	≡ a. Fine warm afternoon.	
10	1021.7	1020.6	85.9	81.4	90	81	0.1	0.1	14.8	10.9	99	99	—	1	1	10	0	0	—	5.9	80	≡ a. Fine afternoon.	
11	1019.3	1016.9	84.2	84.8	86	79	1.0	0.9	11.6	12.2	87	89	—	1	100	2	9	10	—	—	74	Dull and o.	
12	1016.9	1014.9	84.7	85.2	87	85	0.7	0.3	12.4	13.5	91	97	100	4	130	3	10	10	—	3.2	84	c. o. n.	
13	1013.5	1012.8	86.2	86.5	88	81	1.1	0.7	13.2	14.1	87	91	150	3	140	2	3	10	—	3.2	75	c. o. n.	
14	1011.2	1010.1	86.3	85.8	87	85	0.8	0.4	13.7	14.0	92	95	130	4	140	3	5	10●	12.2	0.2	82	● <sup>0</sup> shower 7 h. ● afternoon.	
15	1007.8	1009.5	84.7	84.2	86	84	0.1	0.1	13.5	13.2	99	100	—	1	1	10	5≡ <sup>0</sup>	10●	8.4	0.3	84	● <sup>2</sup> n. and a. c.	
16	1011.5	1013.9	84.1	82.9	85	83	0.4	0.9	12.4	10.8	94	89	80	2	70	2	10	10	—	—	82	Dull and o.	
17	1018.6	1022.0	80.2	81.8	88	79	0.4	0.6	9.6	10.4	94	93	—	1	1	9	0	10	—	—	—	—	—
18	1024.4	1021.0	82.3	77.3	84	77	1.8	0.6	9.1	7.5	79	92	130	2	1	2	4	10	—	—	—	—	—
19	1018.6	1013.5	81.8	83.0	84	77	1.3	0.6	9.3	11.3	84	92	170	3	150	4	9	10●	—	—	—	—	—
20	1011.5	1009.8	84.4	85.8	87	82	0.7	0.4	12.3	14.0	91	95	160	6	170	4	10	8	4.1	0.2	74	Fine to o. ● <sup>2</sup> .	
																			—	0.6	82	Mostly o.	
21	1009.5	1012.2	87.2	83.6	90	84	1.3	0.6	13.6	11.7	85	92	190	4	1	5	1	1	—	6.6	83	Fine and warm. Clear n.	
22	1016.6	1017.9	83.7	85.9	87	81	0.3	0.6	12.3	13.7	97	93	200	2	190	5	10	5	—	2.2	78	Dull and damp to c.	
23	1017.3	1018.3	87.6	84.4	90	84	1.9	0.8	13.0	12.2	97	90	170	5	150	3	7	6	—	3.0	84	c.	
24	1023.0	1026.7	84.6	80.2	87	80	0.3	0.0	9.7	10.1	97	100	—	1	1	9	0	0	—	2.4	78	c.	
25	1027.7	1026.7	79.6	81.3	86	76	0.0	0.8	9.7	9.7	100	90	—	1	1	1	0	0	—	—	—	—	—
26	1025.4	1025.4	83.4	83.3	87	80	1.1	1.9	10.8	9.6	87	97	120	5	1	2	0	0	—	7.9	74	≡ early. Fine.	
27	1024.7	1020.6	83.3	80.1	87	79	0.9	0.2	11.0	9.8	88	98	140	3	1	1	0	0	—	8.6	76	Very fine.	
28	1018.9	1018.3	76.4	78.4	86	75	0.0	0.1	7.8	8.9	100	99	—	0	0	0	0	0	—	8.1	75	Very fine.	
29	1019.6	1014.5	74.9	78.3	85	72	0.0	0.4	7.0	8.4	100	95	—	0	190	2	0	0	—	—	72	≡ <sup>2</sup> early. Fine.	
30	1004.0	992.5	82.9	82.3	86	78	1.6	0.7	9.8	10.7	82	91	180	7	165	7	10	10●	0.3	6.1	71	≡ <sup>2</sup> a. Fine. Clear n.	
31	988.5	987.1	79.8	78.2	84	78	0.2	0.2	9.6	8.6	97	98	—	1	360	2	10●	10● <sup>2</sup>	21.6	2.8	76	o. Fine afternoon. ● n. ● <sup>2</sup> p.	
																			10.7	—	80	● <sup>2</sup> n. ● during day. ● <sup>2</sup> p.	
Mean	1012.5	1011.8	83.1	82.9	86.8	80.1	0.6	0.5	11.5	11.5	93	94	2.5	2.2	6.6	4.5	136.1	3.06	78.2				
Mean Pressure at Station Level.	1004.8	1004.1																					

## DUBLIN (PHENIX PARK), a.c.—OCTOBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

1	999.3	999.0	80.7	82.6	85	76	0.1	0.2	10.5	11.5	99	97	—	0-12	0-12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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x denotes the maximum and n the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON,  
December 13th, 1920.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## DEERNESS, ORKNEY, a.b.c.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H = 48.8 m.; Barometer, H<sub>b</sub> = 50.3 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 1.2 m. Cups of Anemometer, h<sub>a</sub> = 4.9 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.					Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	Dry Bulb.	Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percent-age.	Veer from North and Force or Speed.		Tenths of Sky covered.								
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.		21 h.		
	millibar.		a.	a.	a.	a.	millibar.					%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.	
			200+	200+	200+	200+														200+	
1	1011.8	1015.6	81.0	81.1	83	80	2.9	2.2	7.0	7.7	76	73	130	17	140	13	9	10	—	—	1 h., 2 h., and 4 h. o.
2	1017.3	1014.9	81.7	81.1	83	81	1.8	1.7	8.7	8.5	78	79	150	12	150	13	9	9	0.3	—	o. shower.
3	1012.5	1012.8	81.4	81.1	82	80	1.4	1.1	9.0	9.1	82	86	140	12	140	9	9	9	0.3	—	o. shower n.
4	1011.5	1010.1	81.1	80.2	82	80	1.1	0.8	9.1	9.0	86	89	160	10	200	4	9	10	7.6	—	o. later.
5	1012.5	1015.2	78.8	78.9	82	78	0.7	0.3	8.2	8.9	90	96	270	4	230	3	6	1	2.9	4.0	at first, then fine. W
6	1011.5	1011.8	81.8	82.5	84	78	0.3	0.4	10.8	11.1	96	94	200	10	220	6	8	10	1.4	—	at to 3 h. o. showers.
7	1010.5	1014.2	83.4	83.9	85	82	0.7	0.6	11.5	12.1	91	93	200	6	250	8	7	6	3.1	0.5	c. showers.
8	1020.6	1016.9	82.7	83.9	85	81	0.2	0.2	11.6	12.6	97	97	130	6	180	2	9	8	0.2	—	a. c. all day.
9	1018.6	1009.8	84.7	83.9	86	82	0.4	0.6	13.1	12.1	95	92	230	3	200	8	5	8	1.3	0.3	Bright a. shower n.
10	1003.7	1008.1	81.2	78.9	84	79	1.2	0.2	9.1	8.9	85	97	230	26	—	1	10	10	4.5	3.6	9 h.-13 h. showers.
11	1013.5	1011.5	77.9	80.0	82	77	0.7	0.0	7.8	10.0	61	100	270	6	250	9	7	10	10.0	1.8	most of day.
12	1002.0	991.2	81.8	83.3	84	77	1.1	0.6	9.7	11.6	86	93	190	14	190	12	10	8	8.8	—	all day.
13	990.8	994.9	79.9	78.1	84	78	1.3	1.1	8.1	7.3	82	84	220	10	210	10	4	3	7.2	1.9	q. 23 h.
14	988.8	983.7	76.7	79.1	81	n 76	0.1	0.7	7.9	8.4	99	90	270	11	150	14	10	10	12.8	1.9	showers all day.
15	960.4	968.5	78.2	80.6	83	78	1.1	1.9	8.0	7.9	85	76	200	18	270	16	10	9	19.2	—	Dull.
16	991.9	1002.4	79.2	78.9	83	77	0.5	1.3	8.1	7.5	93	82	290	8	280	8	10	8	9.1	—	10 h.-12 h.
17	1014.5	1022.0	77.7	78.6	n 80	77	1.1	0.9	7.2	7.9	85	88	280	6	190	6	5	7	17.2	—	till 8 h. 5 h., 6 h., 7 h., and
18	1015.6	1011.5	80.1	82.8	84	78	0.8	1.0	9.6	10.5	90	88	160	16	160	16	10	10	2.9	—	1 h.-5 h. a. Clearing later
19	1010.1	1017.3	81.8	81.3	84	80	0.2	0.2	11.0	10.6	98	98	210	6	160	4	10	10	2.5	—	∞. ∞.
20	1017.3	1022.7	83.8	83.3	85	81	0.3	1.1	12.3	10.8	96	87	180	9	190	6	9	10	8	—	∞. ∞.
21	1027.1	1027.4	81.7	80.9	85	81	0.1	0.3	11.0	10.3	99	97	180	2	170	5	8	8	—	—	∞. ∞.
22	1026.7	1028.4	80.0	77.8	82	79	0.7	0.7	9.0	7.6	90	89	180	3	—	1	8	0	—	—	∞. ∞.
23	1029.1	1027.4	77.7	80.4	81	n 76	0.9	0.4	7.4	9.8	87	96	180	2	150	4	1	0	—	—	∞. ∞.
24	1023.3	1019.3	80.6	80.0	82	80	0.9	0.3	9.1	9.6	87	96	130	4	130	11	0	7	—	—	∞. ∞.
25	1012.2	1012.8	81.3	81.8	82	80	1.3	0.5	9.0	10.5	84	94	140	12	170	8	9	9	—	—	∞. ∞.
26	1014.2	1012.5	82.3	82.2	83	81	0.4	1.1	11.0	9.9	94	86	160	13	160	14	10	10	3.6	—	∞. ∞.
27	1010.1	1007.1	82.0	81.7	82	81	0.3	0.0	11.0	11.2	97	100	150	15	140	14	10	10	20.0	—	∞. ∞.
28	1013.9	1015.9	79.9	81.1	82	80	0.4	0.0	9.2	10.8	94	100	340	13	50	3	10	10	2.5	—	a. Clearing later.
29	1011.2	1006.1	82.0	82.1	83	81	0.3	0.3	11.0	10.9	97	96	110	8	150	9	10	10	3.1	—	o. showers.
30	1006.1	1002.4	81.2	81.8	82	80	0.2	0.4	10.6	10.6	98	94	180	4	140	16	10	7	5.4	—	o. to c. showers.
Mean	1010.3	1010.5	80.8	81.0	83.0	79.3	0.8	0.7	9.5	9.8	90	91	9.5	8.4	8.0	7.8	145.9	0.47			
Mean Pressure at Station Level.	1004.1	1004.3																			



Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_1 = 11.6$  m. Heights above Ground:—Therms.,  $h_1 = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^\circ 49'$  N. Long.  $5^\circ 7'$  W. Time, Greenwich mean time.

Longitude, 117° 0' 50" W. Lat. 50° 49' N. Long. 5° 7' W. Time, Greenwich mean time.																				
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.				
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.						
	millibar.		a.	a.	a.	a.			millibar.	%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
1	1004.4	1013.2	80.8	76.5	85	76	2.6	1.4	7.2	6.2	69	79	135	4	—	0	10	—	Fine and sunny.	
2	1014.9	1011.5	75.1	76.9	81	74	0.8	1.1	6.3	6.7	88	84	90	1	—	0	10	—	∞. Fine and sunny.	
3	1010.8	1011.2	75.9	77.0	81	75	0.7	1.2	6.6	6.6	88	82	—	0	—	0	10	—	∞. Fine and sunny.	
4	1010.1	1011.5	78.7	80.1	82	75	1.4	0.4	7.4	9.4	82	94	—	0	225	3	10	—	∞. after 15 h.	
5	1017.3	1017.6	77.4	81.3	84	77	1.0	0.6	7.1	10.1	86	93	—	0	225	3	10	—	Dull. Occasional showers.	
6	1016.2	1015.2	82.9	82.9	84	80	0.9	0.4	10.7	11.4	88	94	225	2	225	1	10	—	Dull, drizzle. on hills.	
7	1014.9	1017.6	83.5	85.1	85	82	0.5	0.4	11.8	13.2	94	94	225	4	225	2	10	—	Muggy drizzle.	
8	1021.0	1022.0	84.7	85.8	86	76	0.3	0.4	13.1	14.0	96	95	225	2	225	2	10	—	Muggy drizzle.	
9	1022.7	1014.2	85.7	83.6	86	84	0.4	0.7	13.7	11.6	94	92	225	3	225	6	10	—	Muggy.	
10	1014.9	1011.5	82.4	80.7	84	80	2.4	1.6	8.4	8.3	71	80	225	4	225	4	10	—	showers. on hills.	
11	1017.6	1015.6	78.6	80.8	82	77	1.1	0.7	7.6	9.5	85	91	225	2	225	3	10	—	Fine at first. showers.	
12	1004.7	995.2	82.4	84.2	85	80	1.0	1.2	10.3	11.3	87	85	225	6	225	7	10	—	all day.	
13	997.3	999.3	79.6	80.8	85	77	1.7	2.3	7.5	7.5	77	72	270	6	270	6	10	—	Unsettled. showers.	
14	997.6	979.3	78.1	80.8	82	77	0.8	0.3	7.6	10.1	89	97	270	6	270	3	10	—	all day and showers.	
15	973.9	985.4	81.3	78.2	86	78	2.8	0.9	7.2	7.7	66	88	270	8	270	6	10	—	Dull. showers. on hills.	
16	997.6	1011.8	78.0	77.7	81	77	0.8	1.2	7.6	7.1	89	82	225	4	225	3	10	—	showers. on hills.	
17	1020.0	1021.3	77.3	79.8	80	76	0.6	2.4	7.5	6.9	92	69	225	3	—	0	10	—	Dull. showers, fine intervals.	
18	1012.8	1011.2	84.1	86.3	86	79	2.2	2.2	9.8	11.5	75	75	225	3	225	5	10	—	Muggy.	
19	1013.2	1015.9	81.8	81.3	87	81	0.5	0.3	10.5	10.5	94	90	225	4	—	0	10	—	Fine and sunny.	
20	1019.6	1024.4	86.1	83.4	87	81	1.7	1.2	12.0	10.8	80	86	225	3	225	3	8	—	∞, but generally fine.	
21	1027.7	1028.1	79.8	75.8	84	75	0.7	0.6	8.9	6.7	91	90	—	0	—	0	900	000	∞, early. Fine and sunny.	
22	1028.8	1030.1	71.3	73.0	78	71	0.6	1.6	4.4	4.1	82	67	—	0	—	0	1000	000	∞. Fine and sunny.	
23	1029.1	1024.7	70.2	77.4	79	69	1.1	4.2	3.0	4.2	61	49	90	1	180	2	0	—	Fine and sunny.	
24	1017.6	1011.5	79.1	80.5	85	76	5.5	3.2	3.8	6.4	64	62	—	0	45	3	0	—	Fine and sunny.	
25	1007.8	1012.5	81.9	81.7	84	80	2.3	1.5	8.1	9.0	72	81	180	3	225	3	7	—	Dull. shower 21 h.	
26	1011.5	1008.8	83.0	83.1	85	80	2.7	2.7	8.4	8.4	69	69	—	0	135	2	9	—	Dull. shower 21 h.	
27	1004.4	1004.4	83.6	81.3	85	81	1.7	0.1	10.0	10.8	79	99	180	2	—	0	1000	—	∞. after 15 h.	
28	1014.9	1016.2	79.1	79.1	81	77	0.6	1.1	8.7	7.9	92	85	45	2	45	2	10	—	showers early, then fair.	
29	1009.5	1003.4	77.8	81.2	82	75	0.4	2.1	8.0	8.0	93	74	45	2	225	2	8	—	Gloomy. showers.	
30	1006.4	995.6	78.0	82.1	84	77	0.4	1.8	8.1	8.8	94	77	—	0	180	4	1	—	Fair, but dull.	
Mean	1012.0	1011.3	79.9	80.6	83.5	77.4	1.3	1.3	8.4	8.8	82	83	2.4	2.5	7.7	7.6	245	1		
Mean Pressure at Station Level.	1010.5	1009.8																		

DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m. Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

1	997'9	1009'5	80'2	80'8	83	80	0'6	1'1	9'5	9'1	92	86	90	8	113	3	10	8	0'3	—	79	● a. Dull and overcast.
2	1013'5	1011'2	80'8	80'8	n 81	80	0'6	1'1	9'8	8'5	93	85	90	1	113	1	10	10	—	—	79	o. and mild.
3	1011'2	1011'2	80'5	80'2	82	80	1'7	1'1	8'1	8'5	79	85	90	1	113	2	10	10	1'5	—	78	o. and mild.
4	1012'5	1014'2	79'7	80'8	n 81	79	0'6	0'6	9'1	9'8	92	93	90	2	—	0	10	10	1'3	—	78	● showers early. o. ● 21
5	1018'9	1021'7	80'8	81'3	84	79	1'1	1'1	9'1	9'5	86	315	2	225	1	8	8	10	—	4'8	75	● a. Fine.
6	1020'6	1020'6	83'0	82'4	85	81	0'6	0'6	11'2	10'8	93	93	247	1	247	2	8	10	—	0'6	77	Dull.
7	1021'3	1023'3	83'0	84'7	x 86	82	0'6	0'6	11'2	12'5	93	93	247	2	247	2	8	10	1'3	0'2	81	c. to o. ● p.
8	1026'4	1027'4	84'7	85'2	85	x 84	0'4	0'2	12'9	13'9	95	98	225	2	247	2	8	10	4'6	—	82	Dull, with ● showers.
9	1028'4	1023'3	84'9	84'1	x 86	82	0'6	0'6	13'9	12'2	100	93	225	2	203	3	10	8	0'5	1'3	84	● a. o. to fair.
10	1022'7	1020'6	82'4	80'8	85	81	1'1	0'8	10'2	9'5	86	90	247	2	270	3	7	0	—	1'5	79	c.
11	1022'3	1020'3	81'3	81'9	84	79	1'1	1'1	9'5	9'8	86	86	270	1	247	1	2	2	—	5'3	75	● a. and p. Fine.
12	1014'9	1007'4	84'4	84'7	85	81	1'2	0'6	11'5	12'5	86	93	203	5	203	8	10	10	12'5	—	76	o. q. p.
13	1007'1	1009'8	82'4	82'4	85	81	2'2	2'2	8'8	8'8	73	73	247	5	225	6	4	7	1'3	4'8	80	Fine. q.
14	1006'8	990'8	82'4	85'8	x 86	81	1'4	0'0	9'8	14'6	83	100	247	3	225	8	10	10	x 13'2	—	79	o., with ●.
15	992'5	997'6	82'4	80'8	x 86	79	2'8	2'2	8'1	7'8	n 67	73	247	10	247	10	8	3	0'3	2'3	81	●, with occasional ●.
16	1005'7	1014'2	79'7	79'1	n 81	79	1'7	1'7	7'4	7'4	77	78	247	6	270	6	4	7	1'3	2'0	77	c. q. Occasional ▲ showers.
17	1024'7	1024'7	79'7	82'2	82	77	1'1	2'7	8'1	7'8	84	68	247	1	157	4	7	8	—	2'9	75	▲ early. Fair to c.
18	1021'3	1020'0	83'6	84'7	85	81	1'7	1'1	10'2	11'9	80	86	157	6	157	6	10	10	—	—	79	o. q.
19	1020'0	1022'7	84'7	84'7	85	x 84	0'7	0'8	12'5	12'2	92	90	157	5	157	2	10	7	—	—	82	q. till 16 h. o.
20	1026'4	1027'1	83'6	82'4	85	82	0'7	0'6	11'5	10'8	92	93	180	2	135	3	10	10	—	—	82	Dull and o.
21	1028'8	1029'4	78'0	78'6	82	77	0'6	0'9	8'1	7'8	92	87	113	3	113	3	10	4	—	—	77	o.
22	1030'1	1030'5	79'1	78'6	n 81	77	0'6	1'1	8'8	7'8	92	85	113	2	113	2	8	0	—	4'6	76	Fine.
23	1029'4	1022'7	79'1	80'2	n 81	n 76	1'4	2'2	7'8	7'1	81	72	90	3	113	5	0	0	—	4'7	n 74	— a. Fine. q.
24	1014'2	1008'8	80'2	80'2	n 81	79	2'2	1'1	7'1	8'5	72	85	90	6	113	5	4	10	2'0	0'7	77	c. q. ● p.
25	1010'8	1015'2	83'0	83'0	85	80	0'6	0'6	11'2	11'2	93	93	180	3	113	2	8	10	2'8	2'1	78	● showers a. and after 17 h.
26	1012'5	1010'1	81'3	81'9	83	81	0'6	0'3	10'2	10'8	93	97	135	5	135	5	8	10	—	—	80	o. q. ● afternoon.
27	1005'1	1004'4	81'9	83'0	83	81	0'0	0'4	11'5	11'5	100	95	135	3	157	2	10	10	9'7	—	80	o., with frequent ● showers.
28	1012'8	1014'5	81'1	79'7	83	79	0'8	0'6	9'5	9'1	89	92	315	3	360	1	10	10	1'0	—	80	o. p.
29	1011'5	1006'4	80'8	82'2	84	79	1'7	0'3	8'1	11'2	79	96	180	2	270	2	8	2	9'9	—	76	● early and noon—18 h.
30	1008'4	1001'3	82'3	81'3	83	80	0'9	0'6	10'2	10'2	88	93	135	3	203	3	7	6	10'2	—	76	o. ● showers after 16 h.
Mean	1016'0	1015'3	81'7	81'9	83'7	80'1	1'0	1'0	9'8	10'1	87	88	3'3	3'4	7'9	7'1	81'6	1'27	78'7			
Mean Pressure at Station Level.	1005'4	1004'8																				

∞ denotes the maximum and ∞ the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

BIRMINGHAM (EDGBASTON) a.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28'$  N. Long.  $1^\circ 54'$  W. Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	Dry Bulb.	Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		9 h.	21 h.							
						9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
	millibar.		a.	a.	a.	a.	millibar.						Tenths of Sky covered.		mm.	hr.	a.					
			200 +	200 +	200 +	200 +				%	%	0-12	0-12					200 +				
1	994.9	1007.8	80.2	79.3	82	79	0.2	1.3	9.9	7.8	98	81	90	4	90	5	10.0	10.0	—	77	Dull and misty.	
2	1012.6	1010.7	78.2	78.6	80	77	1.9	2.1	6.8	6.6	75	74	45	4	23	2	9.0	10.0	0.2	75	o. and cool.	
3	1011.1	1012.4	78.0	78.6	79	77	1.7	2.2	6.6	6.6	77	73	360	2	23	2	10.0	10.0	—	75	Dull and cool.	
4	1012.5	1014.4	77.4	76.1	79	76	1.7	2.4	6.4	6.9	76	91	90	2	360	2	10.0	0	—	69	Dull and o.	
5	1017.9	1022.2	78.7	78.3	82	74	0.3	0.8	8.8	7.8	96	88	337	3	337	3	10	0.0	0.2	1.2	67	Misty most of day.
6	1023.9	1023.2	79.0	81.2	85	75	0.5	1.1	8.7	9.2	93	86	293	2	247	3	2.0	10.0	—	4.7	n 66	Fine till 13 h., then c. to o.
7	1024.2	1026.1	81.4	82.2	85	80	1.1	0.5	9.4	10.8	86	93	225	3	225	3	7.0	9	—	1.2	77	Fair a., then o.
8	1023.3	1031.3	83.2	83.2	86	81	0.9	0.7	11.0	11.2	90	91	225	3	225	3	1.0	4	—	4.2	77	Fine a., then c. to o.
9	1031.3	1027.6	83.2	82.4	86	81	1.3	1.6	10.4	9.5	84	80	225	3	247	2	2.0	8.0	—	4.2	78	Fine a. o. from 15 h.
10	1024.7	1023.2	83.1	81.9	85	81	1.0	1.2	10.7	9.6	88	84	225	4	293	2	9.0	5.0	1.0	—	78	o. ● 15 h.-17 h.
11	1023.9	1024.1	79.2	79.0	84	77	0.8	0.7	8.3	8.4	89	91	247	3	203	2	5.0	3	—	5.4	74	Fine.
12	1021.7	1016.7	78.4	80.7	84	76	1.0	0.9	7.6	9.1	87	88	180	3	203	6	2.0	5	2.0	4.3	73	☉ <sup>a</sup> . Fine.
13	1011.9	1015.9	82.6	79.8	86	80	0.9	1.2	10.5	8.2	89	83	247	3	225	3	2	7	0.3	5.0	76	● a. Fine.
14	1011.6	1000.7	81.7	85.7	86	79	0.4	0.4	10.6	13.9	95	95	203	5	225	6	9.0	0	3.2	0.1	76	Fine a. ● 9 h. and from 17 h.
15	999.8	1005.0	83.9	81.5	87	81	1.5	3.1	7.1	6.8	74	81	225	4	225	4	1	2	0.7	0.2	79	● 7 h. and noon. o.
16	1012.0	1019.5	79.4	77.5	82	77	2.0	1.3	7.0	8.2	86	84	247	7	180	3	10.0	10	—	5.8	74	Fine.
17	1028.0	1029.7	77.1	77.7	83	75	1.2	1.2	6.8	7.1	84	83					1.0	6	—	6.4	72	Fine.
18	1027.6	1026.5	79.2	79.1	83	76	0.7	0.9	8.6	8.1	90	86	157	5	157	4	10.0	0	—	1.6	72	Dull to fair. Fine n.
19	1025.9	1027.0	79.6	82.6	84	77	0.4	0.6	9.0	11.0	94	93	157	4	180	2	8.0	10.0	—	—	75	o.
20	1028.7	1029.6	81.5	76.7	83	76	0.3	0.0	10.6	7.9	97	100	180	3	157	3	10.0	10.0 <sup>o</sup>	—	—	76	Dull and misty.
21	1031.5	1031.3	73.8	73.0	77	72	0.2	0.1	6.3	6.0	97	97	135	2	90	3	10.0	10.0	—	1.0	70	Dull and damp. Fine 13 h.-14 h. [≡.]
22	1032.7	1032.4	71.4	73.1	n 76	n 71	0.1	0.2	5.4	5.9	98	95	90	2	90	2	10.0	10	—	—	70	≡ <sup>a</sup> most of day.
23	1028.8	1022.4	73.8	75.9	79	72	0.3	1.2	6.1	6.2	94	83	45	3	67	4	10	0.0	—	—	70	≡ <sup>a</sup> a. Fine 11 h.-14 h. Misty.
24	1012.6	1010.3	75.1	77.5	77	75	0.4	1.2	6.6	7.0	93	83	67	4	113	4	10.0	10.0	0.2	0.4	71	Dull a. ☉ 10 h. 30 m. ☉ 18 h.
25	1015.2	1017.2	81.5	80.2	85	77	0.3	0.4	10.6	9.6	96	94	157	3	157	3	10.0	10.0	—	0.3	74	Dull and o. ☉ 20 h. 30 m.
26	1015.8	1012.2	78.6	79.0	82	78	0.4	0.7	8.4	9.0	94	91	135	4	113	3	10.0	10.0	0.2	0.9	76	Mostly o. Sunny 11 h.-noon.
27	1007.7	1005.2	80.3	82.3	84	80	0.4	0.3	9.6	11.1	94	95	135	3	135	3	10.0	10.0	0.6	—	78	Dull and damp. [● <sup>n</sup> n.
28	1009.7	1013.7	81.1	80.1	82	80	0.3	0.8	10.3	8.9	96	89	360	3	315	3	10.0	7.0	—	—	77	Dull and o.
29	1015.8	1011.8	77.0	81.7	82	76	0.7	0.2	7.3	10.9	90	98	225	3	203	4	10.0	10.0	—	—	73	Dull, with ● afternoon.
30	1013.4	1005.3	80.2	80.2	82	79	0.1	0.8	9.9	9.0	99	89	180	4	203	6	10.0	1.0	3.4	5.4	77	≡ <sup>a</sup> a. o. ● 16 h.-18 h. Clear n.
Mean	1018.6	1018.5	79.3	79.6	82.6	77.1	0.8	0.9	8.6	8.6	90	87	3.4	3.4	7.6	6.6	17.4	1.67	74.1			
Mean Pressure at Station Level.	998.3	998.2																				

CAMBRIDGE, a.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 12.8$  m.; Barometer,  $H_b = 13.1$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

	8 h.	20 h.	8 h.	20 h.	20 h. to 20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.		
1																		
2	994'5	1005'5	80'4	77'7	83	78	0'4	0'5	9'8	7'8	96	93	90	3	45	3	10=0	0'4
3	1010'2	1009'3	76'3	77'4	81	74	1'6	1'1	6'1	7'1	77	84	23	2	45	2	10=0	3'2
4	1009'3	1011'3	76'9	75'5	82	73	0'4	0'3	7'4	7'1	94	95	315	1	—	0	8=0	2'6
5	1011'2	1013'1	72'0	75'2	83	70	0'2	0'3	5'8	6'8	96	96	45	1	45	1	0=0	5'0
6	1016'1	1019'7	72'1	78'8	81	71	0'2	0'2	5'4	8'8	94	97	157	1	—	0	7=0	6'7
7	1023'7	1023'6	70'2	74'4	83	69	0'0	0'2	5'1	6'4	100	97	—	0	225	1	10=0	6'8
8	1025'0	1026'2	79'4	79'8	86	74	1'7	0'1	7'4	9'8	77	98	225	2	180	2	7=0	6'7
9	1029'8	1031'5	76'9	79'7	87	76	0'0	0'0	8'1	9'8	100	100	203	2	225	1	10=0	7'0
10	1032'1	1028'4	81'9	80'7	86	77	0'2	0'6	11'2	9'8	97	93	225	1	225	1	8=0	4'4
11	1025'0	1022'3	82'3	83'7	86	80	1'1	0'6	10'2	11'9	86	93	225	2	225	1	9=0	7'3
12	1023'5	1025'6	74'4	74'7	84	73	0'2	0'0	6'8	6'8	97	100	270	1	225	1	3=0	7'5
13	1023'2	1019'9	71'9	80'3	85	70	0'0	0'2	5'8	9'8	100	97	135	1	225	3	0=0	6'0
14	1012'7	1016'9	83'1	78'7	x 89	79	0'7	0'0	11'2	9'1	92	100	225	6	225	1	10=0	1'6
15	1013'7	1007'0	80'6	84'7	86	76	1'7	0'7	8'1	12'5	79	91	225	5	225	6	8=0	7'5
16	1000'8	1005'8	88'1	83'2	x 89	x 83	2'3	2'2	12'9	9'1	75	n 74	225	6	247	5	10=0	8'0
17	1012'3	1018'2	78'6	78'3	84	76	0'7	1'2	8'1	7'4	90	n 87	247	2	247	2	0=0	5'5
18	1027'1	1031'6	74'7	72'0	86	72	0'2	0'0	6'8	5'8	96	100	225	1	—	0	0=0	6'9
19	1031'0	1029'3	77'6	78'2	82	71	0'0	0'4	8'5	8'1	100	94	157	4	135	2	10=0	6'9
20	1028'4	1028'0	79'1	78'6	85	71	0'3	0'3	8'8	8'8	95	96	180	3	180	1	10=0	6'7
21	1029'8	1030'6	75'7	73'3	79	74	0'0	0'0	7'4	6'4	100	100	135	3	135	1	10=0	7'2
22	1032'0	1031'7	67'8	69'0	75	n 66	0'0	0'0	4'1	4'4	100	100	90	1	360	1	10=0	—
23	1032'3	1031'5	66'9	67'4	n 72	n 66	0'0	0'0	3'7	4'1	100	100	—	0	270	1	10=0	2'3
24	1028'3	1022'3	69'3	74'3	81	67	0'0	0'7	4'7	5'8	100	86	45	1	360	2	7=0	—
25	1014'2	1012'5	73'1	77'7	80	70	0'1	0'8	6'1	7'4	98	88	45	2	45	4	5=0	5'8
26	1017'2	1020'8	80'7	80'2	85	77	0'4	0'3	9'8	9'8	94	96	135	1	135	3	10=0	6'6
27	1017'7	1013'6	78'7	81'1	84	77	0'2	1'2	8'8	9'1	98	84	113	2	135	2	7=0	7'1
28	1009'6	1006'9	80'3	81'9	83	80	0'8	0'9	9'1	9'8	89	88	135	3	135	3	9=0	2'7
29	1007'6	1013'9	81'9	81'6	82	81	0'6	0'3	10'5	10'8	93	96	360	1	—	0	10=0	2'7
30	1016'6	1014'7	77'7	80'9	82	78	0'1	0'7	8'5	9'5	98	91	225	2	180	4	2=0	7'4
	1014'8	1007'5	81'7	81'9	84	81	0'4	0'4	10'5	10'8	95	95	225	3	225	5	9=0	7'7
Mean	1019'0	1019'3	77'1	78'0	83'2	74'3	0'5	0'5	7'9	8'3	94	94	—	2'1	2'0	7'0	3'8	12'3
Mean Pressure in Station Level.	1017'4	1017'7																2'23
																		70'8

x denotes the maximum and n the minimum value in the column.

$x$  denotes the maximum and  $n$  the minimum value in the column.



## ARMAGH, a.c.d.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.						
			Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.														
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.											
	millibar.		a.	a.	a.	a.																				
			200+	200+	200+	200+				millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.							
1	996.6	1011.2	81.3	80.7	83	78	0.3	0.6	10.5	9.7	96	93	80	5	65	3	10	10	0.2	—	78	Dull and cold.				
2	1013.9	1009.8	80.4	79.9	81	80	0.3	0.2	9.8	9.6	96	97	—	1	95	2	10	10	0.3	—	80	Dull and g.				
3	1009.8	1009.1	80.2	80.8	82	80	0.6	0.3	9.2	10.0	92	96	—	1	120	3	10	10	0.3	—	79	o. Drizzling at times.				
4	1008.8	1014.9	83.9	81.5	85	81	0.3	0.2	12.4	10.7	96	97	195	3	—	0	10	9	3.8	—	80	Dull. after noon.				
5	1021.0	1021.7	77.0	81.2	84	75	0.3	0.7	7.7	9.8	95	91	—	1	210	3	2	10	—	—	72	Fine.				
6	1021.0	1020.0	82.3	82.2	82	77	0.5	0.3	10.9	11.0	94	95	220	3	220	3	10	10	0.5	0.6	72	Clear early. Dull. o. n.				
7	1019.3	1022.0	82.9	84.9	85	82	0.6	0.4	11.3	13.2	93	95	210	5	220	4	10	10	2.3	—	81	o. Drizzling at times.				
8	1024.0	1026.4	84.3	85.8	86	84	0.2	0.3	13.0	14.1	97	96	205	6	220	4	10	10	3.2	—	84	o. early. o., with at times.				
9	1026.7	1020.3	85.4	84.1	86	84	0.4	1.2	13.5	11.2	95	85	210	5	210	9	10	10	0.4	0.4	85	o. shower 11 h. c.				
10	1022.3	1020.3	79.8	79.3	85	79	0.7	0.6	8.8	8.8	90	92	220	4	230	3	6	0	—	1.9	78	c. to fine. Solar eclipse well seen.				
11	1021.7	1018.9	81.5	80.4	83	76	0.6	0.5	10.3	9.6	93	94	210	3	200	4	1	10	—	2.1	75	Clear a. c. to o.				
12	1009.8	1001.0	83.8	84.9	86	80	0.9	1.5	11.4	11.4	89	92	200	9	210	10	10	10	3.6	—	79	o. squalls n.				
13	1006.1	1004.7	79.7	80.1	85	79	0.7	1.2	8.8	8.5	90	85	230	5	205	7	0	5	3.1	4.4	78	q., with showers a. Fine.				
14	1004.7	985.8	80.2	86.9	87	80	0.8	0.4	8.9	15.0	89	95	230	3	220	10	10	10	6.9	—	79	o. after noon. Stormy n.				
15	991.2	998.6	80.7	78.8	88	78	1.9	0.8	8.0	8.1	77	89	240	8	230	7	7	6	1.3	2.0	80	q., with showers.				
16	1005.4	1015.2	78.2	76.8	88	76	0.8	0.2	7.8	7.8	89	98	220	6	230	4	6	5	2.3	2.4	76	q., with showers.				
17	1024.4	1019.6	76.3	80.7	81	75	0.6	2.1	7.0	7.7	91	97	220	3	170	5	3	10	—	0.6	74	c. o. n. Gustly.				
18	1013.5	1011.5	85.2	86.4	87	79	0.7	1.8	12.8	12.2	91	79	190	8	200	12	10	10	—	—	80	o., with drizzling showers.				
19	1014.5	1017.3	85.7	86.2	87	85	1.3	1.0	12.4	13.3	86	88	190	9	190	9	10	10	0.3	—	85	o., with drizzling showers.				
20	1022.0	1025.0	84.7	82.7	86	82	1.1	0.7	11.8	10.9	86	91	180	8	180	2	8	10	—	0.9	84	c.				
21	1026.7	1027.4	83.1	78.1	84	78	0.9	0.4	10.8	8.1	88	93	160	3	170	2	9	5	—	0.3	82	c.				
22	1029.1	1028.4	75.2	76.2	81	72	0.1	0.0	7.1	7.6	99	100	—	1	170	2	8	0	0.2	—	80	o. Fine.				
23	1025.7	1020.3	73.4	79.1	82	77	0.0	1.7	6.3	7.2	100	78	—	1	120	3	0	0	—	6.4	72	o. early. Fine. Sun pillars.				
24	1012.2	1004.7	77.4	80.3	81	75	0.3	1.1	8.0	8.8	96	86	60	3	—	1	0	900	2	6	1.7	72	o. Fine a. o. o. p.			
25	1006.8	1010.5	81.8	80.6	83	77	0.8	0.3	10.1	10.0	90	96	160	4	120	3	9	10	—	2.6	—	77	o. early and afternoon.			
26	1008.8	1006.1	83.0	83.7	84	80	0.8	0.4	10.9	12.1	90	95	150	7	160	6	10	10	1.0	—	80	Dull. o. p.				
27	1002.7	1007.4	83.4	78.7	84	78	0.2	0.3	12.2	8.7	97	95	170	2	340	3	10	10	2.3	6	82	o. o. n.				
28	1016.6	1015.9	77.6	78.0	81	77	0.9	1.2	7.3	7.2	88	83	320	3	—	1	8	—	—	—	76	c. o. n.				
29	1007.4	1006.1	80.4	80.4	84	76	1.6	0.5	8.1	9.6	80	93	150	5	225	4	10	10	—	2.8	—	75	o. a. o., with o.			
30	1002.4	1000.7	82.8	78.4	84	78	1.4	1.0	9.9	7.6	83	86	150	6	250	4	10	10	—	5.7	—	77	o. a. o. after noon.			
Mean	1013.8	1013.4	81.1	81.3	84.0	78.4	0.7	0.7	9.9	10.0	91	91	—	4.4	4.4	7.6	8.2	69.0	1.10	77.7						
Mean Pressure at Station Level.	1006.1	1005.6																								

## DUBLIN (PHOENIX PARK), a.c.—NOVEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|



FORT WILLIAM, INVERNESS-SHIRE, a.c.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 52.1$  m.; Barometer,  $H_b = 11.6$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $56^{\circ} 49' N.$  Long.  $5^{\circ} 7' W.$  Time, Greenwich mean time.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	Dry Bulb.	Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.	9 h.	21 h.				
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								
		millibar.	<i>a.</i>	<i>a.</i>	<i>a.</i>	<i>a.</i>														
			200 +	200 +	200 +	200 +														
1	1006.8	1009.1	78.0	79.7	82	76	1.2	2.2	7.2	7.0	83	71	225	4	180	1	9	10	17.5	Dull. ● showers.
2	1009.8	1015.2	79.1	78.6	81	78	0.7	0.7	8.5	8.1	90	91	225	3	225	1	7	10	10.7	Dull. ● showers. * on hills.
3	989.1	1010.1	75.8	79.4	81	75	0.5	2.5	6.9	6.5	92	68	45	5	360	5	10	10	4.6	Blustering. ● showers.
4	1026.4	1034.2	78.7	75.7	81	75	2.4	1.0	6.3	6.2	69	85	90	2	—	0	1	0	—	Fine and sunny. ☼ 21 h.
5	1037.9	1037.6	74.1	72.4	76	72	0.6	0.6	6.0	5.0	89	85	45	1	—	0	0	0	—	Fine, clear, crisp, and sunny.
6	1035.2	1030.8	69.7	72.4	73	69	0.6	0.6	3.6	5.0	76	85	—	0	—	0	0	0	—	Fine, clear, crisp, and sunny.
7	1023.3	1016.2	75.1	76.9	79	72	2.1	2.2	4.8	5.5	68	70	45	2	90	3	5	0	—	Generally fine. Sunny.
8	1015.2	1018.6	74.1	76.3	80	72	1.0	0.8	5.4	6.7	81	87	—	0	225	2	7	7	4.3	Dull. ● showers p.
9	1024.7	1025.7	74.7	75.9	77	74	1.0	0.3	5.7	7.2	82	95	225	2	—	0	1	10	5.3	Fair generally. ● showers.
10	1025.4	1025.7	76.9	78.0	77	76	0.3	0.3	7.6	8.2	95	95	—	0	—	0	10	10	0.3	≡ all day.
11	1026.4	1027.1	79.1	75.2	79	74	2.0	1.7	6.9	5.4	74	74	125	4	90	3	10	9	—	Dull. * showers on hills.
12	1027.1	1025.4	75.2	76.9	77	75	1.1	2.2	6.0	5.5	82	70	45	1	45	4	10	2	—	Sunny intervals. * on hills.
13	1023.3	1023.0	75.8	77.4	78	74	1.7	1.4	5.6	6.6	75	79	45	3	45	4	3	10	—	Generally fine. * on hills.
14	1026.7	1030.1	76.0	76.3	79	73	1.9	2.1	5.5	5.4	72	69	—	0	90	2	6	10	—	Fine and sunny.
15	1032.5	1033.2	76.8	71.3	78	71	3.2	1.1	4.6	3.6	58	67	125	3	45	1	1	0	—	Sunny.
16	1031.5	1030.5	73.0	76.3	77	70	1.7	2.8	4.0	4.8	65	62	225	2	180	2	0	10	—	Fine, clear, sunny.
17	1028.4	1027.7	76.2	74.1	77	74	1.7	1.1	5.8	5.3	75	79	225	2	225	2	4	10	—	Fine. ∞
18	1027.4	1024.0	75.8	76.2	76	73	1.2	1.9	6.1	5.5	82	71	—	0	225	1	10	10	—	Generally fine, but ∞.
19	1018.6	1011.5	76.3	77.9	78	74	1.1	2.7	6.4	5.6	83	65	225	1	225	2	10	10	—	∞. c.
20	999.0	991.5	77.8	81.8	82	76	0.9	0.7	7.4	10.2	86	91	225	4	225	2	10	10	6.9	Dull. ● showers.
21	973.9	971.9	81.3	79.7	82	79	2.2	1.1	7.9	8.2	74	84	225	4	225	4	10	10	19.1	●. q. at times.
22	983.7	994.6	77.8	73.0	80	72	1.6	0.9	6.6	4.8	78	78	270	3	90	2	8	0	0.3	* on hills. ● showers.
23	1003.4	1005.1	67.4	73.0	74	66	0.6	1.1	2.8	4.6	71	75	—	0	—	0	1	0	1.8	Clear and sunny.
24	996.6	997.9	77.1	81.9	82	73	1.4	0.9	6.5	10.0	81	89	125	3	225	3	10	10	13.7	Unsettled. ● showers.
25	1003.0	993.9	80.7	83.0	86	80	0.9	0.6	9.1	11.3	88	93	225	1	225	4	10	9	28.4	Muggy. ● showers.
26	1002.4	1005.1	81.8	81.9	86	78	1.0	2.2	9.8	8.2	87	73	225	4	225	3	10	9	0.8	Dull. ☼ showers.
27	993.9	997.3	84.1	81.3	84	80	3.3	1.7	8.3	8.6	64	79	225	4	225	2	4	10	1.3	Dull. ☼ showers p. ☼
28	999.6	999.6	75.2	78.0	81	75	0.4	0.7	6.6	7.7	93	90	—	0	—	0	0	10	4.6	Generally fine and sunny.
29	1002.7	1002.4	77.4	78.2	81	76	0.1	0.8	8.2	7.8	98	89	—	0	—	0	10	0	—	● showers.
30	1001.3	1004.4	76.4	74.1	79	73	0.6	0.6	7.0	6.0	90	89	125	2	—	0	1	10	5.3	Fine to sunny. ∞
31	991.5	993.5	81.3	81.5	83	74	1.7	1.4	8.6	9.1	79	83	180	3	225	3	10	7	23.4	Dull. ● showers.
Mean	1012.5	1013.3	76.7	77.2	79.6	74.2	1.3		6.5	6.8	80	80	2.0		1.8		6.1	7.2	167.1	
Mean Pressure at Station Level.	1011.1	1011.9																		

DOUGLAS, ISLE OF MAN, a.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therm.,  $h_t = 1.2$  m  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time, 20 m. after Greenwich.

1	1013.2	1012.5	78.6	81.3	82	77	1.1	0.6	7.8	10.2	85	93	270	1	180	5	4	10	10	16.8	2.6	73	77	early. Fine to o. $\bullet^o$ p.
2	1013.9	1017.3	80.2	80.8	82	79	0.6	1.1	9.5	9.1	92	86	180	3	157	2	10	10	22.6	1.8	77	77	$\bullet^2$ showers. a. o. to c. Bright $\bullet^2$ after 16 h.	
3	992.5	1011.8	79.4	78.6	85	78	1.4	1.1	7.8	7.8	80	85	270	12	293	10	10	4	6.1	—	77	77	$\bullet^2$ showers. a. $\bullet^2$ after 16 h.	
4	1025.4	1032.5	80.5	77.6	81	77	1.9	1.3	7.8	6.8	75	82	337	6	360	2	0	0	—	6.0	76	76	$\bullet^2$ a. Fine, but q.	
5	1036.2	1036.2	78.6	77.4	81	77	1.1	0.6	7.8	7.8	85	92	23	2	45	2	3	0	—	5.6	74	74	Fine.	
6	1033.2	1028.8	79.7	79.1	81	76	2.4	2.8	6.8	6.1	69	65	90	2	90	2	0	8	—	1.3	2.5	73	73	early. Fair to c.
7	1022.0	1016.6	78.8	79.1	79	77	0.8	1.1	8.1	7.8	88	84	113	4	135	2	10	10	—	—	76	76	a. q. Dull.	
8	1017.9	1022.3	79.1	79.1	81	78	1.1	0.6	7.8	8.8	84	92	180	1	337	1	8	10	—	0.3	—	77	77	a. Dull. Occasional $\bullet^2$
9	1027.4	1028.1	76.9	78.3	80	75	0.3	0.3	7.8	8.5	95	96	337	1	337	1	3	10	—	4.0	71	71	a. and p. Fair to o.	
10	1027.4	1026.1	79.1	79.7	81	77	0.6	0.6	8.8	9.1	92	92	337	1	337	1	10	10	1.0	—	73	73	o. and mild.	
11	1026.7	1024.0	77.4	76.3	80	76	2.2	0.6	5.8	7.1	69	91	90	2	67	1	8	10	—	0.3	3.6	75	75	c. to fine. o. evening. $\bullet^2$ after 18 h.
12	1023.0	1020.0	75.2	75.2	77	74	1.4	0.6	5.8	6.4	78	91	45	3	90	3	6	10	—	1.8	0.7	70	70	early. c. to o. $\bullet^2$ after 18 h.
13	1018.3	1021.0	74.1	74.1	76	73	1.1	0.8	5.4	5.8	79	84	67	1	135	1	10	10	—	5.1	—	71	71	a. and p. o. $\bullet^2$ after 18 h.
14	1026.4	1027.7	74.8	76.3	77	74	1.0	1.1	5.8	6.4	83	83	90	1	90	3	4	10	—	0.5	—	71	71	a. o. $\bullet^2$ after 18 h.
15	1032.5	1033.2	74.9	74.7	77	75	1.6	1.4	5.4	5.4	74	76	90	4	113	4	8	10	—	—	73	73	Dull and q.	
16	1033.5	1032.8	75.2	75.2	77	74	2.2	1.7	4.7	5.4	74	74	90	1	113	2	2	10	—	1.4	n 69	76	76	a. Fine to c. $\sim$ p.
17	1030.8	1028.4	75.8	76.1	77	75	1.1	0.8	6.1	5.8	68	75	157	2	135	2	8	10	—	0.7	72	72	a. c. $\sim$ p.	
18	1028.8	1026.1	75.8	76.3	78	75	1.1	0.8	6.1	6.8	83	87	67	1	23	1	10	10	—	—	70	70	o.	
19	1015.9	1015.9	77.4	77.4	78	76	0.7	1.1	7.4	7.1	90	84	157	1	180	2	10	10	—	2.0	—	75	75	o., with occasional $\bullet^o$ .
20	1007.4	998.6	78.8	81.9	82	76	0.3	0.3	8.8	8.8	96	97	180	4	225	3	10	10	5.8	—	75	75	q. $\bullet$ a. o.	
21	984.1	979.3	82.2	80.2	82	79	2.0	1.1	8.8	8.5	75	85	203	8	247	6	7	10	—	5.3	—	78	78	a. o. $\bullet$ showers after 16 h.
22	988.1	994.6	78.6	75.2	81	75	0.6	0.6	8.5	6.4	92	91	270	6	360	1	7	10	—	4.3	3.4	76	76	a. a. q. Fine. $\sim$ p.
23	1004.4	1005.7	76.7	79.1	79	73	0.9	1.7	6.8	7.4	86	78	180	1	157	4	6	10	—	2.8	70	70	a. Fair to o.	
24	999.0	1005.1	80.9	83.0	84	77	0.0	0.2	10.8	11.9	100	98	67	1	225	2	10	10	4.3	6.6	70	70	$\equiv$	
25	1005.1	1002.0	82.4	83.6	85	81	0.6	0.6	10.8	11.9	93	93	157	3	180	5	8	10	—	0.5	0.1	79	79	o. $\bullet$ showers 16 h.
26	1009.1	1003.7	82.4	81.1	84	81	0.6	0.3	10.8	10.2	93	96	225	2	263	2	6	10	—	1.0	1.2	79	79	Fair to o.
27	995.2	1000.3	82.4	81.9	84	81	0.6	0.0	10.8	11.5	93	100	225	4	67	2	6	10	—	1.8	79	79	a. c. Dull and q. a. Fair to o.	
28	1000.0	1003.0	80.8	80.2	82	80	0.6	0.0	9.8	10.2	93	100	90	1	293	1	10	10	—	8.9	—	77	77	o. $\bullet$ 13 h.-16 h.
29	1005.7	996.6	82.4	80.2	83	80	0.0	0.0	11.9	10.2	100	100	247	2	90	5	10	10	—	15.0	—	77	77	a. o. $\bullet^2$ after 18 h.
30	1004.0	1005.4	79.1	81.3	82	78	1.1	0.6	7.8	10.2	84	93	337	1	113	2	3	10	—	20.8	4.2	76	76	Fine. c. after 16 h.
31	991.9	1002.7	83.0	81.9	85	81	0.0	1.1	12.2	9.8	100	86	203	5	247	2	10	10	7	0.8	1.0	77	77	$\equiv$ a. c.
Mean	1014.3	1014.8	78.7	78.8	80.8	76.9	1.0	0.8	8.0	8.3	86	88	2.8	2.6	7.1	8.1	126.8	1.39	74.5					

$x$  denotes the maximum and  $n$  the minimum value in the column.  
Temperatures at or below the normal freezing-point of water are printed in small type.

BIRMINGHAM (EDGBASTON) a.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 160.0$  m.; Barometer,  $H_b = 165.2$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.5$  m. Lat.  $52^\circ 28' N$ . Long.  $1^\circ 54' W$ . Time, Local mean time, 7 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.						Wind.		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	Dry Bulb.		Max.	Min.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		Veer from North and Force or Speed.		Tenths of Sky covered.									
			9 h.	21 h.			9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
		millibar.	a.	a.	a.	a.			millibar.	%	%	0-12	0-12			mm.	hr.	a.						
			200+	200+	200+	200+												200+						
1	1017.2	1017.8	77.4	78.2	82	76	0.7	0.7	7.5	7.9	90	90	225	4	180	3	5	10	6.0	3.3	73	Fine till 14 h., then o.		
2	1015.6	1022.0	78.2	78.1	80	77	0.6	0.5	8.1	8.1	92	93	157	3	180	3	10	10	2.5	—	76	• early. o.		
3	1003.1	1012.5	85.4	79.2	85	78	1.2	2.4	12.3	6.4	85	68	247	7	315	6	10	5	—	2.6	76	• c.		
4	1018.1	1025.8	79.5	77.8	80	77	2.8	1.1	6.3	7.3	86.5	85	337	7	360	6	1	10	—	5.6	75	• a. Fine till 15 h., then c.		
5	1032.8	1033.3	78.3	78.1	80	77	1.6	1.3	7.0	7.2	80	82	23	4	23	4	7	10	—	—	72	o.		
6	1031.1	1027.0	77.3	76.9	78	76	1.0	0.8	7.1	7.1	86	89	360	4	45	4	10	10	0.7	—	74	≡ <sup>0</sup> a. o.		
7	1020.9	1017.1	77.4	76.9	77	75	0.7	0.7	7.5	7.2	90	90	67	3	90	1	10	10	—	—	73	≡ <sup>0</sup> a. Dull.		
8	1019.3	1023.0	74.8	76.2	79	74	0.3	0.7	6.6	6.9	95	90	113	2	113	1	0	10	—	4.8	69	Fine. o. evening.		
9	1026.7	1027.7	76.4	74.2	78	74	0.7	0.2	7.0	6.5	90	96	360	3	337	2	8	0	—	2.4	65	≡ <sup>0</sup> c.		
10	1027.5	1026.4	74.4	75.0	76	71	1.5	0.4	5.0	6.6	74	93	337	2	337	2	10	≡ <sup>0</sup>	10	≡ <sup>0</sup>	—	67	≡ <sup>0</sup> a. o.	
11	1024.7	1020.2	74.7	73.2	76	73	0.9	0.3	5.9	5.9	84	95	23	3	23	4	10	3	0.2	—	67	≡ <sup>0</sup> a. Dull and cold. * <sup>0</sup>		
12	1019.8	1019.7	71.9	69.1	74	69	0.4	0.1	4.9	4.4	86	97	45	3	157	2	10	4	4.3	0.4	67	• Dull and cold a. * <sup>0</sup> 13 h.-18 h.		
13	1021.6	1020.8	65.2	70.5	71	64	0.3	0.4	2.7	4.2	83	85	23	1	67	3	10	≡ <sup>0</sup>	0.2	—	61	≡ <sup>0</sup> a. o. * <sup>0</sup> evening.		
14	1024.4	1026.5	72.8	73.1	75	70	0.5	0.2	5.3	5.8	88	95	23	3	67	5	10	≡ <sup>0</sup>	—	—	69	• Dull, with ≡.		
15	1030.4	1032.7	72.0	70.9	73	70	0.7	0.6	4.6	4.3	80	82	67	4	45	3	10	≡ <sup>0</sup>	—	—	66	• o. and cool, with ≡.		
16	1032.3	1031.6	72.8	73.1	75	70	0.7	0.2	5.0	5.9	82	93	360	3	360	3	10	≡ <sup>0</sup>	—	—	69	• Mostly o.		
17	1030.1	1027.6	73.7	74.7	76	73	0.4	0.6	5.9	6.2	95	90	360	3	23	3	6	10	0.4	0.3	71	• o. and misty.		
18	1027.8	1025.9	75.1	75.2	76	74	0.4	0.7	6.6	6.4	94	88	23	3	23	3	10	10	—	—	74	≡ <sup>0</sup> a. Dull.		
19	1022.2	1018.2	74.3	73.8	75	74	1.0	0.3	5.5	6.1	82	94	23	2	113	1	10	* <sup>0</sup>	—	—	72	Dull and o. * <sup>0</sup> at times.		
20	1013.3	1005.1	73.6	79.2	79	73	0.6	0.4	5.6	8.8	89	93	203	2	203	5	6	10	0.5	—	71	Dull and o.		
21	991.5	987.7	80.8	78.0	81	77	0.4	0.8	9.9	7.6	94	88	180	6	203	4	10	• <sup>0</sup>	5	1.3	—	75	Dull and mild. Drizzling •.	
22	991.7	995.9	76.4	75.6	79	75	1.2	0.4	6.4	6.9	82	94	247	4	225	2	5	10	—	1.8	72	Fine a., then o. and misty. •		
23	1003.7	1009.8	73.8	74.5	77	72	0.5	0.1	5.9	6.8	90	99	45	3	157	3	10	≡ <sup>0</sup>	8.6	—	69	o. and misty. • late p.		
24	1003.7	1008.5	81.9	84.6	85	74	0.2	0.6	11.0	12.6	98	93	203	4	180	3	10	≡ <sup>0</sup>	8	2.8	—	74	o., with drizzling •.	
25	1010.4	1007.5	81.8	83.0	85	81	0.5	1.8	10.5	9.6	93	79	157	4	180	5	8	7	—	—	79	Fair.		
26	1010.8	1007.1	81.4	80.8	85	81	0.6	0.4	10.1	9.9	93	94	180	4	135	3	5	10	0.5	2.6	77	Fine till afternoon, then o.		
27	1002.3	1002.9	82.3	81.4	84	80	0.4	0.6	10.1	10.2	94	93	180	4	180	3	7	10	13.2	2.7	78	• a. c.		
28	999.4	1006.6	81.3	81.2	83	81	0.2	1.0	10.6	9.3	98	87	67	1	247	3	10	≡ <sup>0</sup>	2	2.5	0.2	79	• early. Dull and o.	
29	1010.1	1000.7	81.3	84.6	85	80	0.4	0.8	10.2	12.3	95	91	180	2	203	6	10	10	13.0	—	77	Damp a. • showers afternoon.		
30	1004.0	1010.0	81.8	80.1	85	80	1.6	0.6	9.0	9.2	80	82	247	6	180	3	6	10	4.8	0.1	78	o. [ing.]		
31	999.8	1006.0	83.1	82.7	85	80	0.2	1.5	12.0	9.8	97	92	180	5	247	4	10	• <sup>0</sup>	1	0.8	—	78	• early. Dull. Clear even-	
Mean	1015.7	1016.2	77.1	77.1	79.3	75.0	0.7	0.7	7.5	7.5	88	90	3.5	3.3	8.2	8.0	62.3	0.90	72.2					
Mean Pressure at Station Level.	995.3	995.9																						

CAMBRIDGE, a.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site,  $H = 12.8$  m.; Barometer,  $H_b = 13.1$  m. Heights above Ground:—Therms.,  $h_t = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Greenwich mean time.

[illegible]

$x$  denotes the maximum and  $n$  the minimum value in the column.



## ARMAGH, a.c.d.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=62.2 m.; Barometer, H<sub>b</sub>=63.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Cups of Anemometer, h<sub>a</sub>=15.2 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Local mean time, 25 m. after Greenwich.

Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.			Humidity.						Wind.*		Cloud Amount and Weather.		Rain 24 hr. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	21 h. to 21 h.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.	Veer from North and Force or Speed.		9 h.	21 h.	9 h.					21 h.		
						9 h.	21 h.	9 h.	21 h.		9 h.	21 h.									9 h.	21 h.
	millibar.		a.	a.	a.	a.			millibar.		%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.			
1	1010.8	1008.1	76.6	79.8	81	75	0.9	0.6	6.7	9.1	87	92	220	5	180	6	0	10	6.0	Fine.		
2	1014.2	1014.5	77.5	78.2	81	77	0.2	0.9	8.1	7.6	97	88	220	3	180	4	5	10	6.4	Fine. n.		
3	999.3	1017.9	78.7	78.0	86	77	0.9	0.7	7.9	7.7	87	90	290	8	300	6	10	4.8	1.7	early. Violent squalls.		
4	1030.5	1034.9	78.1	77.8	82	78	0.9	0.6	7.6	7.9	88	92	330	2	1	2	0	10	4.2	° showers early. Fine. H		
5	1038.2	1037.6	72.9	72.2	79	72	0.2	0.2	5.9	5.5	96	96	1	1	1	1	0	10	0.2	° a. and n. Fine.		
6	1034.2	1028.8	69.6	74.5	75	76	0.0	0.2	4.7	6.6	100	97	1	0	1	1	0	10	0.3	° a. o., with ☼.		
7	1020.6	1014.9	75.6	76.3	78	74	0.5	0.3	6.8	7.3	92	96	1	1	1	1	0	10	0.6	° a. c. afternoon. o. ☼.		
8	1017.3	1023.7	73.7	73.4	77	72	0.5	0.1	5.9	6.2	90	98	1	1	210	3	10	0.2	67	° a. o. Clear n.		
9	1027.7	1027.7	73.8	76.6	77	72	0.4	0.4	6.0	7.3	91	94	210	2	220	2	10	0.2	67	° a. o. Clear n.		
10	1026.7	1026.1	76.6	72.8	80	72	0.4	0.4	7.4	5.4	94	91	220	2	0	6	10	0.2	71	Fine to o.		
																			4.3	75	Fine.	
11	1025.7	1024.4	72.8	74.4	75	70	0.4	0.4	5.4	6.2	90	92	1	0	1	10	9	0.8	67	☼. Clear n.		
12	1024.4	1021.0	72.7	77.2	77	72	0.7	1.2	4.9	6.8	82	82	1	40	5	3	10	3.0	6.0	69	Fine.	
13	1021.3	1020.0	74.0	73.5	77	74	0.1	0.1	6.5	6.3	99	99	1	1	1	900	9	4.6	1	72	☼. ☼. (sleet) ☼. Clear n.	
14	1026.1	1028.4	71.8	70.2	74	76	0.0	0.0	5.6	4.9	100	100	1	0	0	8	10	0.6	1	67	☼. ☼. ☼. a. Cold.	
15	1031.8	1032.2	74.2	74.6	76	70	0.6	1.0	6.0	5.5	88	81	1	120	2	1000	10	—	1	67	☼. o.	
16	1032.5	1031.1	73.6	71.3	75	71	0.9	0.8	5.2	4.1	81	76	200	2	1	9	1	—	1	67	☼. c.	
17	1029.8	1028.1	74.6	73.4	77	71	1.5	1.0	5.2	5.0	87	80	175	4	1	1	1	1.4	1	73	☼. c.	
18	1029.1	1025.0	73.2	75.4	77	71	0.6	1.2	5.4	6.0	86	82	1	190	3	10	2	3.3	69	☼. Clear and frosty.		
19	1019.6	1012.8	76.1	76.7	77	74	1.2	1.2	6.2	6.6	81	84	200	2	185	6	10	0.7	69	☼. o. Clear n.		
20	1002.7	994.9	79.6	81.3	82	76	0.4	0.6	9.1	10.0	95	93	210	9	210	8	10	0.8	71	g. o.		
																		1.0	76	76	☼ early. o.	
21	976.3	980.0	80.1	78.4	82	78	0.6	0.6	9.2	8.3	93	92	210	14	260	4	9	10	2.0	2.6	79	☼ a. Fine afternoon. q. o.
22	991.2	994.6	76.4	72.0	79	71	0.4	0.2	7.3	5.4	94	95	290	2	1	2	2	—	4.6	74	Fine.	
23	1004.0	1002.0	69.0	78.4	79	76	0.2	1.1	4.2	7.6	93	86	0	160	4	0	10	4.3	1.5	76	☼. c. o. n.	
24	995.2	1002.7	81.8	81.8	85	77	0.3	0.5	10.8	10.5	97	94	190	6	220	3	10	5	5.2	—	77	o. and threatening. ☼ 21 h.
25	999.3	993.5	83.6	84.3	86	78	0.1	0.9	11.1	10.4	97	94	160	6	200	13	10	3	0.8	—	80	g.
26	1005.7	999.3	80.5	82.9	85	80	0.8	1.4	9.1	10.0	89	83	210	7	140	7	0	10	1.5	—	79	c. and mild.
27	989.8	997.6	82.5	80.7	84	80	0.4	0.6	11.2	9.8	95	94	160	10	200	3	10	10	—	2.6	81	Drizzling ☼ a. Fine afternoon.
28	996.3	1001.3	78.4	79.6	82	74	0.1	0.4	8.8	9.1	99	94	160	2	220	3	10	4	2.8	—	72	o.
29	1004.7	996.6	79.1	79.6	81	78	0.6	0.0	8.7	9.7	92	100	210	3	140	2	5	10	26.1	—	77	Very dark. ☼.
30	1003.7	999.6	74.7	81.8	82	75	0.1	0.9	6.8	9.9	98	89	1	160	7	0	10	6.6	0.7	72	Fine to o.	
31	987.5	1000.0	84.4	80.7	85	80	0.4	0.7	12.7	9.6	95	93	180	6	230	7	10	1	0.1	1.6	81	Dull and damp a., then fine.
Mean	1013.4	1013.5	76.3	77.1	79.8	74.2	0.5	0.7	7.3	7.5	91	90	3.3	3.5	6.0	6.5	77.3	1.65	72.8			
Mean Pressure at Station Level.	1005.5	1005.6	* The wind speeds given for Armagh in previous months of the current year require amendment. The corrected values will be published with the Introduction.																			

## DUBLIN (PHENIX PARK), a.c.—DECEMBER 1920.

Heights above Mean Sea Level:—Rain-gauge Site, H=47.3 m.; Barometer, H<sub>b</sub>=48.5 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Time, Local mean time, 25 m. after Greenwich.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	0-12										0-12										Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
																																1012.8	1011.5	77.4	82.4	82	76	1.1	1.4	7.1	9.8	84	83	315	3	315	3	2	6	3.5	3.6		73	Fine	0.2	showers 17 h. and 22 h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1014.5	1014.9	77.1	79.0	83	77	0.1	1.0	8.1	8.1	99	86	315	2	0	5	6	3.5	3.6	73	Fine <td>0.2</td> <td>showers till 5 h. c., with 0.2</td>	0.2	showers till 5 h. c., with 0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1002.4	1018.9	80.2	79.2	87	79	1.0	1.3	8.8	7.8	87	82	270	8	315	6	9	8	0.5	2.5	75	0.2	showers till 5 h. c., with 0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1030.5	1033.2	79.8	78.5	82	77	1.2	0.7	8.1	8.1	83	91	270	5	360	2	2	0	0.3	5.5	74	0.2	from 3 h. 0.2 16 h.-20 h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1034.2	1035.9	77.4	76.8	81	74	0.5	0.1	7.8	8.1	93	99	90	1	0	0	5	6	0	0.5	74	0.2	Fine.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1032.5	1027.4	78.0	79.1	80	74	0.1	0.1	8.5	9.1	98	98	90	1	0	0	9	9	1.4	0.1	71	0.2	0.3 h.-6 h. c.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1020.0	1015.9	76.3	75.2	80	74	0.1	0.1	7.8	7.1	99	99	135	1	0	0	9	9	1.4	0.1	71	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1017.6	1023.7	72.1	76.6	78	70	0.7	0.1	4.7	7.8	80	99	0	0	0	0	5	6	—	—	70	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1028.4	1028.8	74.6	74.1	80	71	0.6	0.1	6.1	6.4	90	99	0	0	0	0	2	3	—	—	69	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1027.1	1026.1	73.6	71.2	78	71	0.1	0.1	6.4	5.1	99	97	0	0	0	0	6	2	—	5.9	69	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1024.7	1023.7	77.9	76.8	78	70	0.1	1.4	8.5	6.4	99	80	135	1	0	0	10	0	9	2.6	69	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1021.3	1017.9	75.9	76.9	77	73	1.3	0.9	6.1	7.1	81	86	90	1	90	3	5	6	4.2	0.9	70	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1020.6	1019.6	69.9	76.4	77	n 69	0.2	0.7	4.4	7.1	94	90	90	1	0	0	5	8	0.3	2.0	n 67	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1024.4	1026.4	71.0	73.3	77	n 69	0.1	0.2	5.1	6.1	96	97	180	1	0	0	8	9	2.6	0.2	n 67	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1031.1	1031.5	75.7	75.3	n 76	72	1.0	0.7	6.4	6.4	85	88	45	1	135	1	8	9	2.6	0.2	n 67	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1031.8	1031.5	72.4	71.3	n 76	72	0.4	0.3	5.1	4.7	88	99	135	1	0	0	10	7	2.5	—	71	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1029.4	1028.1	74.6	71.9	n 69	72	0.6	0.1	5.8	5.4	81	97	135	1	135	1	6	7	—	4.0	70	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1028.4	1025.7	74.0	74.7	n 76	72	0.1	0.1	6.4	6.8	98	98	360	1	0	0	10	10	0.3	2.1	n 67	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1019.3	1014.2	77.7	77.4	78	74	1.4	0.6	6.8	7.4	80	91	180	2	180	2	10	9	—	—	70	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1005.1	998.3	80.8	81.8	84	77	0.2	0.6	10.2	10.5	98	93	270	5	270	5	9	6	0.6	0.3	75	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
981.7	984.1	81.9	78.3	83	78	1.8	0.3	8.8	8.5	78	95	270	8	270	7	7	7	1.7	3.6	80	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
993.5	993.9	76.7	75.6	80	72	0.4	2.6	7.4	4.7	94	n 63	315	2	0	0	4	7	—	3.3	74	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1004.4	1003.0	69.8	79.0	79	n 69	0.2	0.4	4.4	8.8	94	94	0	180	3	4	8	8	0	0.2	70	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
997.3	1002.4	84.7	83.3	85	79	0.6	0.8	12.5	11.2	92	90	270	2	0	0	8	8	3.2	0.2	74	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1001.3	997.9	86.2	84.7	n 87	82	2.2	1.6	11.5	11.2	76	81	225	3	270	8	8	8	5.4	—	76	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1006.4	1000.0	85.9	82.4	86	81	2.6	0.4	10.5	11.2	n 72	95	180	2	270	4	4	7	0.7	0.1	80	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
992.2	999.0	82.9	82.2	85	81	1.5	0.4	9.8	10.8	82	95	270	5	0	0	6	6	2.7	2.9	79	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
996.3	1002.7	81.4	80.9	82	77	0.4	0.7	10.5	9.8	95	92	270	3	8	2	3	7	0.7	0.4	76	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1005.7	995.9	81.4	80.8	83	79	0.4	0.1	10.5	10.5	94	99	0	270	2	10	10	3	—	—	77	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1005.4	1000.7	78.0	84.6	85	78	0.1	0.8	8.5	12.2	98	90	0	270	4	7	8	2.3	0.9	77	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
989.8	1001.3	86.0	81.2	87	81	0.8	0.9	13.5	9.5	90	87	270	3	270	4	9	0	0.5	3.8	78	0.2	0.2 h.-4 h. 0.2 6 h.-7 h. 0.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Mean	1013.9	1014.0	77.8	78.1	81.0	0.7	0.6	8.0	8.2	90	91	2.0	1.9	6.7	6.4	55.3	1.68	73.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

METEOROLOGICAL OFFICE, LONDON.  
February 12th, 1921.

## METEOROLOGICAL OBSERVATIONS AT STATIONS OF THE FIRST AND SECOND ORDERS, 1920.

## ANNUAL SUPPLEMENT.

## MONTHLY AND YEARLY SUMMARIES FOR ELEVEN STATIONS

OF

Pressure, Temperature, Humidity, Rainfall, Bright Sunshine, Amount of Cloud, Days of Weather, and Observations of Wind Force and Direction.

## LERWICK (FORT CHARLOTTE), SHETLANDS, a.

Lat. 60° 9' N. Long. 1° 8' W. Heights above Mean Sea Level: Rain-gauge Site, H=54 ft.; H<sub>b</sub>=59 ft.

1920.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																HUMIDITY.												Earth Temp.	
	Station. Level.	Mean Sea Level.	7 h.	13 h.	21 h.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.			At 1 foot.	At feet					
						Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	7 h.	13 h.	21 h.	7 h.	13 h.	21 h.	7 h.	13 h.	21 h.							
																												Max.	Min.	Max.	Min.	Max.
Jan.	mb.	mb.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.				
Feb.	996.4	98.6	38.3	39.4	38.5	42.0	33.7	37.9	49	15th	22	10th	35	9th	42	24th	1.3	1.0	1.2	7.0	7.5	7.1	89	92	90	...	...	...	...			
March	005.7	07.9	40.3	42.0	41.2	44.3	36.3	40.3	49	1, 28, 29	30	12, 15, 27	34	14th	44	17th	1.1	1.2	0.9	7.6	8.1	8.1	92	91	93	...	...	...	...			
April	000.9	03.0	41.4	43.9	41.7	45.4	38.2	41.8	49	3, 21, 22	28	8th	35	7th	44	20th	1.4	2.2	1.1	7.8	8.1	8.1	89	84	92	...	...	...	...			
May	002.3	04.4	41.6	44.3	41.9	46.0	37.2	41.6	51	24th	31	8, 11	40	9th	42	3rd	0.9	1.3	0.7	8.2	8.8	8.5	94	90	95	...	...	...	...			
June	008.8	10.9	46.7	49.2	46.1	51.4	41.4	46.4	61	27th	36	1, 5, 15	45	4th	48	29th	1.5	1.9	0.8	9.6	10.3	9.9	89	87	94	...	...	...	...			
July	014.5	16.6	50.6	53.4	50.4	55.4	45.2	50.3	63	15th	37	11th	47	5th	52	19th	2.5	3.1	1.9	10.4	11.0	10.8	83	80	88	...	...	...	...			
Aug.	005.8	08.0	53.2	56.4	53.1	58.2	48.4	53.3	63	12th	43	4th	53	25th	52	17th	1.5	2.9	1.6	12.3	12.6	12.2	90	82	89	...	...	...	...			
Sept.	013.7	15.9	51.8	54.7	51.4	56.1	47.0	51.6	61	3rd	41	18th	52	19, 20, 28, 29	52	10th	2.2	2.8	1.7	11.1	11.9	11.4	85	81	89	...	...	...	...			
Oct.	010.3	12.4	50.4	53.6	50.5	55.2	43.8	49.5	58	2, 9, 10	35	21st	51	17th	50	30th	1.7	2.6	1.4	10.9	11.5	11.2	89	82	90	...	...	...	...			
Nov.	015.5	17.6	50.5	51.4	50.2	52.0	47.6	49.8	56	1, 8	41	18th	48	15, 16	51	1st	1.1	1.4	1.5	11.5	11.6	11.0	92	90	90	...	...	...	...			
Dec.	008.3	10.5	46.9	47.8	46.9	49.6	43.3	46.5	56	20th	38	14th	44	16th	49	20, 21	1.2	1.2	1.4	9.9	10.3	9.8	92	91	91	...	...	...	...			
Year.	011.4	13.6	43.5	44.1	43.3	46.1	40.4	43.3	51	25th	31	23rd	41	9th	45	1, 2, 6	0.5	0.7	0.7	9.1	9.2	9.0	96	94	95	...	...	...	...			
Year.	007.8	10.0	46.3	48.4	46.3	50.1	41.9	46.0	63	...	22	...	34	...	52	...	1.4	1.9	1.2	9.6	10.1	9.8	90	87	91	...	...	...	...			



CASTLEBAY, HEBRIDES.

Lat. 56° 57' N. Long. 7° 29' W. Heights above Mean Sea Level: Rain-gauge Site, H = 37 ft.; H<sub>b</sub> = 48 ft.

1920.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																		HUMIDITY.									Earth Temp.	
	Station Level.	Mean Sea Level.	7 h.	13 h.	21 h.	Means of			Absolute Extremes.												Depression of Wet Bulb.			Vapour Pressure.			Percentage.			At 1 foot.	At feet.
						Max.	Min.	Max. and Min. combined.	Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	7 h.	13 h.	21 h.	7 h.	13 h.	21 h.	7 h.	13 h.	21 h.						
Jan.	998.6	mb.	42.7	43.0	42.1	45.5	37.9	41.7	51	16, 17	31	2nd	39	13th	48	17th	1.5	1.9	1.6	8.1	8.0	mb.	88	85	88	88	85	88	...	...	
Feb.	010.5	12.2	44.2	45.1	44.5	47.1	40.4	43.8	52	29th	34	19th	41	18th	47	29th	0.7	0.9	0.7	9.3	9.4	9.3	95	93	94	...	...	...	...	...	
March	002.7	04.4	42.9	45.2	44.0	46.3	39.1	42.7	51	29th	27	8th	34	7th	45	1, 4, 5, 20, 21, 22	1.0	1.2	1.5	8.7	9.2	8.7	92	91	88	...	...	...	...	...	
April	002.2	03.8	44.2	46.6	44.5	47.4	40.9	44.2	53	13th	36	7, 10, 29	42	7th	46	14th	1.7	2.1	1.4	8.6	9.1	8.8	87	86	89	...	...	...	...	...	
May	008.8	10.4	48.1	49.8	48.8	51.7	45.2	48.5	72	25th	37	1st	46	7th	58	26th	1.6	1.8	1.7	10.0	10.6	10.3	89	87	88	...	...	...	...	...	
June	013.1	14.7	54.0	57.2	54.9	58.6	51.3	55.0	70	14th	44	5th	53	1, 2, 3	59	17th	2.7	4.1	3.0	11.6	12.0	11.8	82	75	80	...	...	...	...	...	
July	007.0	08.7	54.0	55.8	53.7	56.9	50.9	53.9	64	9th	46	25th	55	5, 6, 16, 23, 26, 28	54	14th	2.1	2.6	2.1	12.1	12.6	12.0	85	83	86	...	...	...	...	...	
Aug.	016.2	17.9	53.2	55.6	53.5	56.5	51.0	53.8	62	30th	46	18, 19	54	18th	55	30, 31	1.8	2.6	1.9	12.1	12.5	12.1	88	83	87	...	...	...	...	...	
Sept.	010.8	12.4	53.1	55.0	53.5	56.1	50.7	53.4	60	30th	45	20, 21	50	20th	56	30th	1.6	2.2	1.9	12.2	12.5	12.1	89	86	87	...	...	...	...	...	
Oct.	010.3	12.1	53.4	54.8	54.0	55.6	51.7	53.7	60	10th	45	17th	52	17, 18, 31	55	1, 5, 15	1.6	2.3	1.5	12.3	12.4	12.6	90	86	90	...	...	...	...	...	
Nov.	007.9	09.6	50.0	50.3	50.1	52.2	46.4	49.3	56	14, 18	41	14, 16	47	16th	53	9th	1.4	1.6	1.3	10.9	10.9	11.1	90	89	91	...	...	...	...	...	
Dec.	009.4	11.2	45.4	46.4	46.1	47.9	42.2	45.1	53	25th	37	23rd	42	22nd	49	26th	0.8	0.9	0.8	9.7	9.9	9.9	95	94	94	...	...	...	...	...	
Year	008.1	09.8	48.8	50.4	49.1	51.8	45.6	48.7	72	...	27	...	34	...	59	...	1.5	2.0	1.6	10.5	10.8	10.6	89	87	89	...	...	...	...	...	

## ABERDEEN OBSERVATORY,\* a. e.

Lat.  $57^{\circ} 10' N$ . Long.  $2^{\circ} 6' W$ . Heights above Mean Sea Level: Rain-gauge Site,  $H = 46$  ft.;  $H_b = 88$  ft.

[illegible]

ESKDALEMUIR OBSERVATORY, DUMFRIESSHIRE.\*

Lat.  $55^{\circ} 19' N$ . Long.  $3^{\circ} 12' W$ . Heights above Mean Sea Level: Rain-gauge Site,  $H = 794$  ft.;  $H_b = 778$  ft.

\* The Hygrometrical Results are obtained from the Daily Values.  
In the column for pressure at station level the first figure is omitted if it is a 1; for pressure at sea level the initial 9 or 10 is omitted.

CASTLEBAY, HEBRIDES.

Heights above Ground :  $h_t = 4$  ft. ;  $h_r = 1$  ft. ;  $h_s = 4$  ft. Observations at 7 h., 13 h., 21 h. Temps. for 24 hours ending 7 h. Time G.M.T.

1920.	Rainfall.			Bright Sunshine.			Amount of Cloud, 0—10.			Number of days of		Weather, Number of Days of										Wind, Number of Observations referred to a total of 93, 90, or 84 for the month.												
	Total.	Max.	Day.	Daily Mean.	Total.	Per cent.	7 h.	13 h.	21 h.	Clear Sky.	Overcast.	Precipitation.	Precipitation 1 mm. or more.	Snow.	Snow lying.	Hail.	Thunder Storm.	Fog.	Ground Frost.	Gale.	Force 8 or more.	Wind force 8 and above.	Strong Wind (4—7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
Jan.	in.	mm.	mm.	hr.	hr.	%	8.5	8.2	7.7	0	15	30	26	5	0	11	1	0	...	4	5	73	8	2	1	5	9	9	28	21	10			
Feb.	4.13	105	12	13th	0.74	23	10	8.5	8.2	7.7	0	15	22	18	2	0	5	0	0	...	0	0	69	3	7	4	2	8	12	27	18	6		
March	3.19	81	17	17th	1.72	50	18	8.4	8.7	7.1	0	15	25	20	5	0	6	0	0	...	0	0	65	4	1	2	6	12	16	22	23	7		
April	3.09	79	10	5, 12	3.10	96	26	8.0	7.5	6.9	1	15	25	20	5	0	6	0	0	...	0	0	65	4	1	2	6	12	16	22	23	7		
May	0.97	25	4	14th	5.77	173	41	7.6	6.5	7.1	0	11	25	9	1	0	3	0	0	...	0	0	54	3	14	4	15	9	2	7	13	23		
June	3.76	96	16	27th	4.55	141	28	7.9	7.8	7.7	0	16	24	20	0	0	4	0	1	...	2	2	63	3	1	5	15	8	8	18	18	17		
July	1.33	34	11	17th	7.93	238	45	6.1	6.1	6.0	7	11	13	7	0	0	0	1	4	...	0	0	54	4	2	9	21	13	7	8	17	9		
Aug.	2.44	62	14	8th	5.58	173	33	7.5	7.0	7.6	0	13	23	15	0	0	0	0	1	...	0	0	57	5	10	6	4	8	5	26	11	18		
Sept.	1.97	50	17	16th	2.87	89	19	8.5	8.5	8.6	0	20	16	9	0	0	0	6	...	0	0	37	7	13	5	6	8	2	8	21	23			
Oct.	3.00	76	9	24th	3.40	102	27	8.2	7.6	6.8	1	13	28	20	0	0	1	0	1	...	0	0	54	5	6	4	15	10	16	11	12	11		
Nov.	3.79	96	28	30th	2.61	81	25	8.3	7.8	7.5	1	19	13	10	0	0	0	0	4	...	1	0	67	3	0	4	29	32	19	3	1	2		
Dec.	3.53	90	25	18th	1.00	30	12	8.5	8.4	8.5	1	19	22	20	0	0	2	0	0	...	2	2	73	1	2	1	9	22	11	13	24	7		
Year.	3.73	95	10	20th	0.52	16	8	7.0	8.2	7.8	0	14	21	15	0	0	5	0	0	...	0	0	65	4	2	3	16	21	19	13	9	6		
Year.	34.93	889	28	...	3.31	1212	27	7.9	7.7	7.4	11	181	262	189	13	0	37	2	17	...	9	9	731	50	60	48	143	160	126	184	188	139		

## ABERDEEN OBSERVATORY, a, e.

Heights above Ground:  $h_t = 41$  ft.;  $h_r = 2$  ft.;  $h_s = 68$  ft.;  $h_a = 75$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 24 h. Time G.M.T.

[illegible]

ESKDALEMUIR OBSERVATORY, DUMFRIESSHIRE.

Heights above Ground:  $h_t = 2$  ft. 8 ins.;  $h_r = 1$  ft.;  $h_s = 4$  ft. 11 ins.;  $h_a = 49$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 24 h. Time G.M.T.

H refers to rain-gauge site and  $H_b$  to barometer cistern;  $h_t$  refers to bulbs of thermometers,  $h_r$  to rain-gauge rim,  $h_s$  to sunshine recorder, and  $h_a$  to vane or cups of anemometer.



## HUDDERSFIELD, YORKSHIRE.\*

Lat. 53° 39' N. Long. 1° 47' W. Heights above Mean Sea Level: Rain-gauge Site, H = 410 ft.; H<sub>b</sub> = 411 ft.

		Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																HUMIDITY.												Earth Temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1920.	Station Level.	Mean Sea Level.	9 h.	15 h.	21 h.	Means of			Max. and Min. combined.	Absolute Extremes.										Depression of Wet Bulb.			Vapour Pressure.			Percentage.			At 1 foot.	At 4 feet.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						Max.	Min.	P.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	9 h.	15 h.	21 h.	9 h.	15 h.	21 h.	9 h.	15 h.	21 h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Jan.	mb.	mb.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.

## YARMOUTH (GORLESTON) a.

Lat. 52° 35' N. Long. 1° 43' E. Heights above Mean Sea Level: Rain-gauge Site, H = 16 ft.; H<sub>b</sub> = 16 ft.

	7 h.		13 h.		21 h.								7 h.		13 h.		21 h.								7 h.		13 h.		21 h.								
Jan.	010.7	11.4	40.3	43.7	41.5	46.4	35.3	40.9	55	12, 18	25	8th	34	6th	48	19th	1.7	2.0	2.1h.	7.3	13h.	21h.	7h.	13h.	21h.	7h.	13h.	21h.	7h.	13h.	21h.	7h.	13h.	21h.	7h.	13h.	21h.
Feb.	021.4	22.1	40.7	45.6	42.3	47.7	37.2	42.5	54	10th	31	28, 29	40	21st	44	3rd	1.3	2.7	1.8	7.6	8.3	7.9	8.9	8.1	8.7	42.1	43.3	40.5	44.3	44.4	44.4	44.4	44.4	44.4	44.4		
March	012.5	13.0	41.1	48.0	43.6	51.3	37.8	44.2	62	21st	27	8th	40	8th	46	28, 30	1.2	3.1	1.9	7.9	8.8	8.2	9.0	7.8	8.6	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4		
April	005.5	06.1	45.4	49.7	46.6	52.6	42.2	47.4	62	24th	35	29th	47	5, 11	49	10, 25	1.1	2.7	1.8	9.4	9.8	9.3	9.2	8.2	8.8	49.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8		
May	016.9	17.5	50.8	57.3	52.7	60.4	46.4	53.4	72	12, 28	36	5th	53	4, 16	55	28, 29	2.1	5.4	3.2	10.8	10.9	10.7	8.6	6.9	7.9	53.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1		
June	016.7	17.0	56.1	60.6	56.5	63.6	52.3	58.0	74	29th	41	8th	52	5, 6, 9	60	29th	2.9	5.5	3.1	12.5	12.4	12.5	8.1	7.0	8.0	59.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8		
July	012.3	12.9	56.7	63.6	58.5	66.5	52.9	59.7	79	17th	44	27th	56	5th	60	22nd	2.3	5.5	2.8	13.3	13.9	13.7	8.5	7.0	8.2	61.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9		
Aug.	017.6	18.1	54.6	60.9	55.5	63.5	51.3	57.4	70	15, 18	44	25th	56	19, 30	57	1st	1.8	5.6	2.5	12.7	12.4	12.5	8.9	6.9	8.4	60.2	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1		
Sept.	016.0	16.5	53.2	60.6	55.9	62.9	50.1	56.5	70	6, 9	41	20, 21	57	21st	56	25, 30	1.3	4.1	2.2	12.5	13.6	13.1	9.1	7.7	8.6	59.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1		
Oct.	016.0	16.6	50.7	56.8	53.6	57.7	48.1	52.9	65	7th	34	24th	50	18th	58	5, 6	1.6	3.3	2.2	11.1	12.4	11.9	8.9	7.9	8.5	54.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7		
Nov.	018.4	19.4	43.6	49.6	45.6	51.0	40.4	45.7	59	14, 15	31	3rd	46	24th	47	27, 29	1.3	2.5	1.3	8.7	9.9	9.3	8.9	8.3	9.0	47.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2		
Dec.	014.7	15.5	40.2	42.6	41.1	45.5	36.6	41.1	56	26th	27	9, 13	35	12, 15	44	20, 29	1.2	1.8	1.5	7.5	8.0	7.6	9.0	8.7	8.8	42.8	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3		
Year	014.9	15.5	47.8	53.3	49.5	55.8	44.2	50.0	79	...	25	...	34	...	60	...	1.7	3.7	2.2	10.1	10.7	10.4	8.8	7.8	8.5	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2		

## RICHMOND, SURREY (KEW OBSERVATORY),\* a, e.

Lat. 51° 28' N. Long. 0° 19' W. Heights above Mean Sea Level: Rain-gauge Site, H = 18 ft.; H<sub>b</sub> = 34 ft.

Jan.	012°2	13°4	42°1	45°3	42°8	47°5	37°9	42°7	57	13th	23	7th	34	6th	50	18th	2°0	15h.	21h.	9h.	15h.	21h.	9h.	15h.	21h.	40°8	43°9
Feb.	022°3	23°6	41°2	48°7	43°8	49°8	36°9	43°4	58	18th	28	5th	42	21st	47	10th	1°6	3°7	1°6	7°8	8°8	8°3	88	75	87	41°2	44°1
March	012°4	13°7	44°6	53°1	46°0	54°1	39°0	46°6	66	30th	29	9th	40	8th	51	28th	2°0	6°3	2°7	8°6	8°9	8°3	84	64	80	44°1	44°4
April	005°6	06°9	49°6	53°2	48°2	55°2	43°3	49°3	63	24th	35	30th	49	1st	51	15th	3°2	4°3	2°2	9°6	10°0	9°7	79	73	85	49°1	47°8
May	016°9	18°2	57°2	62°2	54°9	63°9	47°3	55°6	79	25th	36	5th	54	8th	57	26th	5°4	8°4	4°0	11°1	11°0	11°2	69	57	75	54°5	50°7
June	016°3	17°5	59°9	66°0	59°7	68°4	52°2	60°3	75	16th	40	6, 7	57	5th	59	27, 28	5°0	7°9	4°5	12°6	13°3	13°1	71	61	74	60°8	55°8
July	012°6	13°9	60°6	64°4	59°0	66°9	53°2	60°1	73	19th	46	25, 28	54	5th	61	21st	4°5	6°5	3°2	13°3	13°5	13°9	74	66	82	59°2	57°9
Aug.	018°5	19°7	58°3	63°7	57°2	65°1	50°2	57°7	73	8th	43	21st	57	30th	58	15th	4°3	7°6	3°4	12°2	12°2	12°5	74	61	79	59°7	58°1
Sept.	016°1	17°3	56°3	63°5	56°3	64°6	49°6	57°1	72	12th	40	13th	54	21st	57	15th	2°5	6°3	2°2	13°0	13°3	13°2	84	67	86	57°0	56°8
Oct.	014°0	15°2	50°7	57°9	50°4	59°4	44°6	52°0	71	5th	32	28th	49	27th	58	9th	1°8	5°0	1°8	11°3	11°7	11°1	89	71	87	52°3	55°0
Nov.	018°3	19°5	41°5	48°0	42°8	49°6	36°9	43°3	58	15th	24	23rd	37	4, 22	51	15th	1°0	3°0	1°1	8°4	9°1	8°7	92	79	91	42°6	44°1
Dec.	015°0	16°2	40°6	43°0	41°0	44°6	37°4	41°0	56	31st	21	13th	31	12th	49	28, 31	1°4	2°2	1°4	7°9	8°1	7°9	88	83	87	40°3	45°1
Year	015°0	16°3	50°2	55°8	50°1	57°4	44°0	50°7	79	...	21	...	31	...	61	...	2°9	5°4	2°5	10°3	10°7	10°5	81	70	83	50°1	50°7



## FALMOUTH, CORNWALL,\* a, e.

Lat. 50° 9' N. Long. 5° 4' W. Heights above Mean Sea Level: Rain-gauge Site, H = 167 ft.; H<sub>b</sub> = 183 ft.

1920.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.														HUMIDITY.										Earth Temp.	
	Station Level.	Mean Sea Level.	7 h.	13 h.	18 h.	Means of			Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.			At 1 foot.	At 4 feet.	
						Max.	Min.	Max. and Min. combined.	Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	7 h.	13 h.	18 h.	7 h.	13 h.	18 h.	7 h.	13 h.	18 h.			
°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.					
Jan.	007.2	14.4	44.5	47.2	45.1	49.3	39.5	44.4	54	16th	28	6, 7	40	5th	48	11, 16	1.5	2.5	1.8	9.0	9.2	8.9	88	83	86	45.1	47.1	
Feb.	016.5	23.4	44.5	49.4	46.4	50.7	41.4	46.1	56	19th	32	22, 23	45	21st	46	3, 18, 19, 29	1.1	2.7	1.7	9.2	9.8	9.4	91	82	88	46.4	47.3	
March	006.8	13.8	43.2	49.7	46.5	51.5	39.5	45.5	61	30th	28	9th	42	8th	47	18th	1.2	3.2	1.9	8.7	9.7	9.3	90	79	86	48.0	48.4	
April	000.6	07.3	46.4	52.7	49.9	54.1	43.2	48.7	58	25th	36	1, 6	50	3rd	49	10, 11	1.3	3.6	2.6	9.7	10.4	10.1	91	78	83	52.0	51.1	
May	011.6	18.3	51.9	56.9	55.1	59.3	47.4	53.4	70	26th	41	4, 10, 21	53	1st	55	25th	2.3	4.7	4.0	11.2	11.5	11.2	85	73	76	57.2	54.5	
June	010.5	17.1	56.9	62.1	59.8	64.3	52.3	58.3	69	3, 24, 25	44	5th	59	9th	58	27th	1.8	4.3	3.5	13.9	14.4	13.8	88	76	80	63.0	59.7	
July	008.1	14.8	56.3	61.7	59.2	63.2	52.8	58.0	68	5, 21	48	25, 27	59	1, 3, 4, 25	57	30, 31	1.5	4.0	3.2	13.9	14.4	13.8	90	78	81	62.8	61.0	
Aug.	014.6	21.3	55.6	61.8	59.4	63.6	51.7	57.7	70	14th	44	20th	58	21st	58	15th	1.2	4.5	3.7	13.8	14.0	13.5	92	75	79	62.8	61.5	
Sept.	011.4	18.2	54.5	61.1	57.7	63.3	51.0	57.2	68	5th	43	20th	56	21st	57	3, 30	0.9	3.7	2.5	13.7	14.4	13.8	94	79	85	60.8	60.6	
Oct.	004.7	11.5	53.7	57.8	55.0	59.7	50.7	55.2	66	9th	40	19th	53	31st	56	5, 12, 17	1.0	2.3	1.6	13.2	14.0	13.3	94	86	90	57.7	58.6	
Nov.	010.6	17.4	47.8	52.9	49.3	54.2	43.6	48.9	57	9, 13-15	38	6, 29	49	21st	52	15, 27	1.2	2.9	1.7	10.4	11.1	10.6	91	82	88	51.3	54.5	
Dec.	008.7	15.4	43.0	46.3	43.4	48.0	38.6	43.3	56	25, 27	27	13, 17, 18	36	15th	50	25th	1.6	2.7	1.6	8.6	8.9	8.6	87	81	86	45.0	49.1	
Year	009.3	16.1	49.9	55.0	52.2	56.8	46.0	51.4	70	...	27	...	36	...	58	...	1.4	3.4	2.5	11.3	11.8	11.4	90	79	84	54.3	54.5	

## SOUTHPORT, LANCASHIRE,\* a.

Lat. 53° 39' N. Long. 2° 59' W. Heights above Mean Sea Level: Rain-gauge Site, H = 37 ft.; H<sub>b</sub> = 42 ft.

		9 h.	15 h.	21 h.												9 h.	15 h.	21 h.	9 h.	15 h.	21 h.	9 h.	15 h.	21 h.			
Jan.	007.6	09.1	40.6	43.0	41.4	45.7	36.3	41.0	55	17th	25	6th	33	6th	47	17th	1.5	2.1	1.9	7.6	8.0	7.7	88	84	86	37.9	40.5
Feb.	018.8	20.4	42.6	46.8	42.6	48.2	38.6	43.4	59	18th	30	5th	40	5th	48	3rd	1.4	3.1	1.5	8.3	8.6	8.2	89	79	88	40.0	41.3
March	009.1	10.7	44.5	48.1	43.7	50.0	39.8	44.9	61	30th	31	8th	41	8th	49	31st	2.0	3.4	1.7	8.7	8.9	8.5	85	77	87	43.2	43.3
April	003.3	04.8	46.6	49.4	45.4	50.7	42.1	46.4	57	18th	37	9th	45	9th	48	16th	2.4	3.6	1.8	9.0	9.1	8.9	83	77	86	47.5	46.8
May	014.1	15.7	53.7	56.8	51.7	59.1	46.3	52.7	79	25th	38	10th	51	4th	55	26th	3.4	5.2	2.4	11.2	11.1	11.0	79	71	84	55.1	52.1
June	015.2	16.8	59.0	62.3	56.0	64.5	50.0	57.3	73	16, 17, 18	39	9th	57	3, 5	56	13, 20, 26	4.5	6.1	2.7	12.6	12.8	12.7	74	68	83	60.9	57.9
July	010.1	11.7	57.5	60.0	56.2	61.7	52.9	57.3	66	10, 15, 31	47	27th	57	5th	58	21st	3.1	4.2	2.5	13.1	13.3	13.0	82	76	84	62.2	60.2
Aug.	017.7	19.2	57.2	60.2	55.4	61.3	52.0	56.7	66	17th	44	19, 20, 30	55	18th	58	16th	3.3	4.6	2.3	12.7	13.1	12.7	80	74	85	61.3	60.7
Sept.	015.0	16.4	55.1	60.1	54.1	61.4	49.2	55.3	71	12th	40	23rd	55	19, 20	57	13th	2.0	4.7	1.7	13.0	13.0	12.8	87	73	89	56.7	58.1
Oct.	013.2	14.6	49.4	56.5	48.9	57.4	44.6	51.0	70	5th	32	19th	49	19th	57	6th	1.0	3.5	1.1	11.3	12.3	11.0	93	78	92	50.0	55.6
Nov.	015.4	16.8	44.6	47.6	45.4	49.5	41.1	45.3	58	14th	27	22nd	35	22nd	51	10th	1.6	2.7	1.8	8.9	9.1	9.1	89	82	87	43.8	47.6
Dec.	013.7	15.2	38.5	41.0	39.1	43.3	35.0	39.2	55	2, 31	19	13th	30	13th	47	26th	1.1	1.9	1.3	7.4	7.5	7.3	90	85	88	38.1	42.9
Year	012.8	14.3	49.1	52.7	48.3	54.4	44.0	49.2	79	...	19	...	30	...	58	...	2.3	3.8	1.9	10.3	10.6	10.2	85	77	87	49.7	50.4

## CAHRCIVEEN (VALENCIA OBSERVATORY),\* a, e.

Lat. 51° 56' N. Long. 10° 15' W. Heights above Mean Sea Level: Rain-gauge Site, H = 30 ft.; H<sub>b</sub> = 45 ft.

		9 h.	15 h.	21 h.												9 h.	15 h.	21 h.	9 h.	15 h.	21 h.	9 h.	15 h.	21 h.			
Jan.	007.8	09.5	45.1	46.0	45.3	49.3	41.2	45.3	55	12th	31	2nd	41	1st	52	17th	2.3	1.9	1.8	8.6	9.1	9.1	83	85	86	...	...
Feb.	018.1	19.8	46.4	49.1	46.8	50.0	43.7	46.9	53	2nd	33	25th	41	20th	50	17, 28	1.8	2.5	2.0	9.5	9.8	9.4	87	82	85	...	...
March	009.6	11.3	45.0	47.7	44.6	49.5	40.8	45.2	55	19th	34	7th	41	14th	50	17th	2.0	2.7	1.8	8.8	9.2	8.7	85	80	86	...	...
April	004.1	05.7	47.5	49.3	46.0	50.9	42.3	46.6	54	18, 24	35	17th	46	9th	48	12, 24	2.5	2.9	2.1	9.1	9.6	8.9	82	80	84	...	...
May	014.2	15.8	52.7	55.0	51.3	56.3	47.5	51.9	68	24th	42	4th	51	3rd	52	26th	2.5	3.4	2.4	11.3	11.7	10.7	83	79	83	...	...
June	013.4	15.0	57.9	59.7	55.9	61.9	51.1	56.5	67	2nd	44	7th	57	9th	56	26th	3.4	3.6	2.3	13.0	13.6	12.9	80	78	88	...	...
July	012.4	14.0	56.7	58.3	55.2	59.7	53.2	56.5	62	16, 30	50	4th	58	4th	57	20th	2.4	2.9	2.0	13.3	13.5	12.8	85	82	87	...	...
Aug.	019.7	21.3	58.5	61.0	57.0	62.1	54.0	58.1	67	29th	47	7th	58	19th	58	16, 24	2.9	3.6	2.1	13.8	14.3	13.6	83	79	86	...	...
Sept.	014.6	16.2	56.3	59.4	55.9	60.3	52.5	56.4	65	8th	37	22nd	55	19, 22	59	5th	2.0	3.1	1.6	13.5	14.1	13.7	87	82	89	...	...
Oct.	006.7	08.3	54.5	57.4	54.1	58.3	50.5	54.4	62	6th	42	25th	51	31st	58	12th	2.0	3.1	2.1	12.6	13.0	12.2	87	81	85	...	...
Nov.	011.8	13.5	50.4	51.8	50.4	53.6	46.9	50.3	59	14th	40	17th	48	27th	54	20th	2.4	2.7	2.2	10.5	10.8	10.6	84	81	84	...	...
Dec.	011.0	12.7	43.7	46.4	45.1	48.6	40.6	44.6	56	2nd	27	14th	37	14th	51	24th	2.2	2.9	2.1	8.3	8.7	8.8	82	80	83	...	...
Year	012.0	13.6	51.2	53.4	50.6	55.0	47.0	51.0	68	...	27	...	37	...	59	...	2.4	2.9	2.0	11.0	11.5	11.0	84	81	86	...	...

\* The Hygometrical Results are based on the Daily Values.  
In the column for pressure at station level the first figure is omitted if it is a 1; for pressure at sea level the initial 9 or 10 is omitted.

## FALMOUTH, CORNWALL, a, e.

Heights above Ground: h<sub>t</sub> = 4 ft.; h<sub>r</sub> = 2 ft.; h<sub>s</sub> = 34 ft.; h<sub>a</sub> = 41 ft. Observations at 7 h., 13 h., 18 h. Temps. for 24 hours ending 7 h. Time G.M.T.

1920.	Rainfall.		Bright Sunshine.		Amount of
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## ARMAGH,\* a.

Lat. 54° 21' N. Long. 6° 39' W. Heights above Mean Sea Level: Rain-gauge Site, H = 204 ft.†; H<sub>b</sub> = 209 ft.†

		Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																Humidity.									Earth Temp.	
1920.	Station Level.	Mean Sea Level.	9 h.	...	21 h.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.			At 1 foot.	At 4 feet.			
						Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	9 h.	...	21 h.	9 h.	...	21 h.	9 h.	...	21 h.					
Jan.	mb. 998.1	mb. 05.6	39.9	...	40.1	46.3	35.1	40.7	57	17th	27	36	1st	45	16th	0.9	...	1.1	7.9	...	7.6	92	...	91	40.0	42.8				
Feb.	009.8	17.5	42.8	...	43.3	49.2	38.2	43.7	56	2, 28, 29	28	41	20th	48	29th	1.3	...	1.5	8.6	...	8.6	89	...	88	42.0	43.2				
March	001.2	08.7	42.1	...	41.7	50.1	37.0	43.6	57	17, 30	23	42	7th	48	4th	1.5	...	1.2	8.1	...	8.1	88	...	91	43.5	44.1				
April	996.8	04.2	45.5	...	42.8	51.6	38.4	45.0	60	24th	29	45	2nd	46	24th	2.1	...	1.5	8.8	...	8.3	86	...	89	46.5	45.8				
May	005.9	13.4	52.3	...	49.7	58.6	44.3	51.5	73	25th	33	47	1st	55	26th	2.7	...	1.8	11.0	...	10.8	83	...	87	51.7	48.8				
June	008.0	15.3	57.4	...	54.3	63.9	48.9	56.4	69	5, 17	39	60	14, 20, 21	54	14, 17	3.8	...	2.4	12.4	...	12.2	78	...	84	58.0	53.9				
July	003.4	10.9	56.5	...	53.1	63.3	48.7	56.0	67	5, 11, 12, 21	40	58	1, 2, 25	55	20th	3.1	...	1.7	12.5	...	12.2	81	...	89	58.3	55.5				
Aug.	011.7	19.1	56.0	...	53.4	63.3	48.5	55.9	70	28, 30	41	57	21st	58	16th	2.2	...	1.4	13.2	...	12.6	86	...	91	58.2	55.9				
Sept.	007.4	14.9	55.1	...	52.5	61.9	47.9	54.9	68	25, 26	33	53	20th	55	6, 27, 28, 29	2.2	...	1.2	12.7	...	12.5	86	...	92	56.5	55.6				
Oct.	004.5	11.8	50.2	...	49.8	56.9	44.7	50.8	65	9th	31	51	17, 18, 31	54	14th	1.2	...	0.9	11.5	...	11.5	93	...	94	52.5	53.6				
Nov.	005.8	13.3	46.5	...	46.9	51.8	41.7	46.8	59	15th	29	45	16th	54	19th	1.2	...	1.3	9.9	...	10.0	91	...	91	47.7	50.2				
Dec.	005.6	13.3	38.0	...	39.3	44.2	34.2	39.2	55	3, 25	24	33	14th	47	25th	1.0	...	1.2	7.3	...	7.5	91	...	90	41.3	45.7				
Year	004.9	12.3	48.5	...	47.2	55.1	42.3	48.7	73	...	23	33	...	58	...	1.9	...	1.4	10.3	...	10.2	87	...	90	49.7	49.6				

\* The Hygrometrical Results are based on the Daily Values. † See Introduction.  
In the column for pressure at station level the first figure is omitted if it is a 1; for pressure at sea level the initial 9 or 10 is omitted.

## ARMAGH, a.

Heights above Ground: h<sub>t</sub> = 4 ft.; h<sub>r</sub> = 1 ft.; h<sub>a</sub> = 50 ft.; h<sub>n</sub> = 50 ft. Observations at 9 h., 21 h. Temps. for 24 hrs. ending 21 h. Time L.M.T. (25 m. after G.M.T.).

1920.	Rainfall.			Bright Sunshine			Amount of Cloud, 0—10.			Number of Days of		Weather, Number of Days of										Wind, Number of Observations referred to a total of 93, 90, or 84 for the Month.										
	Total.	Max.	Day.	Daily Mean.	Total.	Per cent.	9 h.	... 21 h.	Clear Sky.	Overcast.	Precipitation.	Precipitation 1 mm. or more.	Snow.	Snow lying.	Hail.	Thunder Storm.	Fog.	Ground Frost.	Gale. Force 8 or more.	Wind Force 8 and above.	Strong Wind (4—7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
Jan.	in.	mm.	mm.	hr.	hr.	%	6.2	...	7.1	0	11	28	20	5	2	3	0	3	7	1	1	35	8	1	0	1	3	21	48	8	3	
Feb.	2.47	63	15	18th	2.41	70	25	7.0	...	7.0	5	16	18	13	0	0	1	0	2	6	0	0	39	14	3	4	1	2	18	33	9	3
March	3.20	81	13	1st	3.48	108	29	7.3	...	6.8	2	13	22	15	5	4	4	0	2	9	0	0	30	15	2	0	0	4	21	31	10	10
April	2.89	73	14	19th	3.47	104	25	7.6	...	6.9	2	13	24	16	0	0	5	0	0	10	0	0	14	20	11	5	10	4	8	7	10	15
May	2.96	75	16	1st	5.13	159	32	7.5	...	7.1	1	15	24	15	0	0	3	1	1	2	0	0	17	22	1	1	8	3	14	24	17	3
June	2.37	60	21	12th	5.73	172	34	6.9	...	6.8	4	13	16	13	0	0	0	3	0	2	0	0	9	29	1	0	10	14	10	17	5	4
July	2.99	76	12	1st	3.39	105	21	8.4	...	6.9	0	14	23	18	0	0	0	0	0	0	0	0	4	29	4	2	2	1	8	28	13	6
Aug.	1.92	49	12	17th	3.71	115	25	7.2	...	6.3	4	14	15	11	0	0	0	0	0	0	0	0	39	8	0	0	3	5	20	4	14	
Sept.	2.27	58	10	1st	3.73	112	29	6.9	...	5.9	3	11	19	13	0	0	0	1	3	2	0	0	11	20	1	1	1	6	21	21	9	10
Oct.	5.36	136	27	6th	3.06	95	29	6.6	...	4.5	6	9	15	10	0	0	0	0	0	0	0	0	11	30	1	2	10	25	23	2	0	0
Nov.	2.72	69	24	27th	1.10	33	13	7.6	...	8.2	1	19	21	15	0	0	1	0	1	3	0	0	27	11	1	1	8	9	25	30	3	2
Dec.	3.04	77	26	29th	1.65	51	22	6.0	...	6.5	2	9	21	13	2	5	0	0	7	13	0	0	21	34	2	2	0	7	23	20	3	2
Year	36.31	922	27	...	3.22	1179	26	7.1	...	6.7	30	157	246	172	12	11	17	5	32	55	1	1	218	271	36	18	51	81	197	281	91	72

METEOROLOGICAL OFFICE, SOUTH KENSINGTON,  
March 14th, 1921.