



Scale 1:5,000,000.

Observations from Stations underlined and from Upper Air Stations are published in the "Geophysical Journal."

M.O. No. 235c.

AIR MINISTRY.
METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR-BOOK, 1919.

PART III., SECTION 1.

DAILY READINGS
AT
METEOROLOGICAL STATIONS OF THE
FIRST AND SECOND ORDERS
1919.

Published by Authority of the Meteorological Committee.



LONDON:

To be purchased from
THE METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2, or EXHIBITION ROAD, LONDON, S.W.7
Monthly Numbers, Price Sixpence each.

1920.

Price Five Shillings.

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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

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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.

Note.—The *Réseau Mondial* has been issued for 1911, 1912, and 1913; 1910 is in the Press and 1914 is being prepared.

“DAILY READINGS” FOR THE YEAR 1919.

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; lowest day and the highest night temperature for each month, with the dates of their occurrence, for eighteen stations; and 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."

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 30 to September 28 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 for this station since 1885 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, 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 = 10³ 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 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," 1918, 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.	Hurricane.
	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 . . .	R. I. Lynch, M.A. (for the Botanic Gardens Syndicate). . .	*1899-	1876-	1899-1907	a. d.
Armagh . . .	Rev. Charles Faris. . .	*1884-	1884-	{1884-1907, 1914-	a. c. d.
Dublin (Phoenix Park) . . .	The Superintendent, Ordnance Survey Office. . .	1881-	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-	—	—	—

(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.

† Mr Magnus Spence retired in February 1919 and died the following August. He had been an observer for the Meteorological Office for 20 years.

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.

Rainfall.—The amount entered to each day refers to the twenty-four hours commencing at 9 h. on that day. The results are expressed in millimetres.

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

Rain . . . •	Soft Hail . . . △	Hoar Frost . . . —	Thunder . . . T	Lunar Corona . . . ☉
Snow . . . *	Ice Crystals . . . <	Dew . . . ☁	Lightning . . . <	Lunar Halo . . . ☾
Snow lying . . . ☒	Fog . . . ≡	Rime . . . V	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 ° or ° to them, thus:—

•° slight rain.

•° 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.

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, so that the observations have been published since 1869.

Dublin.—Observations have been made since 1853; 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.

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.

Falmouth.—One of the original observatories. Daily readings as such were not published until Falmouth became a telegraphic reporting station in 1914.

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 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	1849–
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*.

SIR NAPIER SHAW, F.R.S., *Director*.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNESS, ORKNEY, a.b.c.—JANUARY 1919.

Heights above Mean Sea Level:—Rain-gauge Site, H = 48.8 m.; Barometer, H_b = 49.7 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° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Rain-gauge, h _r = 1.2 m. Cups of Anemometer, h _a = 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
1	millibar.		a.	a.	a.	a.			millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.	
2	996.3	987.1	200.4	200.4	200.4	200.4	0.0	0.3	7.1	7.9	100	96	157	15	146	3	10	1.9	—
3	983.4	988.5	78.3	77.2	79	77	0.0	0.0	8.9	8.2	100	100	360	9	337	2	10	16.2	—
4	990.2	987.5	77.4	77.6	79	77	0.4	0.2	7.8	8.1	94	96	124	6	124	5	6	0.8	—
5	986.1	983.4	77.2	77.2	79	76	0.3	0.3	7.8	7.8	95	95	67	8	34	11	10	0.6	—
6	984.7	984.4	76.7	77.4	78	76	0.2	1.3	7.6	6.8	97	81	23	11	23	9	6	4	—
7	973.9	974.6	76.7	76.7	78	76	0.6	0.6	7.3	7.3	92	92	11	14	360	5	10	6	—
8	983.7	989.5	76.7	79.4	80	76	1.1	1.1	6.6	8.1	84	85	135	5	124	8	3	4.8	1.0
9	990.5	989.1	79.4	80.0	80	79	1.0	0.8	8.3	8.9	86	90	146	11	135	10	3	8	—
10	985.1	977.6	80.0	80.0	81	79	0.6	0.6	9.2	9.2	93	93	113	9	124	13	10	5.5	—
11	983.4	995.9	78.4	77.8	80	77	0.7	1.3	8.1	7.0	91	82	191	10	169	11	9	0	—
12	998.3	997.3	77.3	77.4	79	77	1.1	1.1	7.0	7.0	84	84	169	11	169	10	3	7	—
13	997.6	1002.4	77.2	76.1	79	75	0.6	0.6	7.5	7.0	92	91	191	2	225	2	8	6	3.4
14	1007.1	1002.0	77.8	78.9	79	75	0.8	1.1	7.5	7.8	89	85	146	8	135	18	3	10	3.9
15	998.6	1002.4	78.6	76.7	79	76	0.2	0.1	8.8	7.8	97	98	180	6	—	1	10	0	2.6
16	995.2	992.2	78.9	76.8	79	75	0.7	0.3	8.3	7.5	90	96	135	12	203	4	10	8	4.0
17	990.2	989.5	76.7	75.8	78	75	0.6	0.2	7.3	7.2	92	96	203	5	214	3	3	6	1.5
18	997.3	1006.8	76.7	76.1	78	75	0.2	0.6	7.7	7.0	97	91	304	3	293	7	7	7	1.9
19	1014.9	1018.9	75.6	75.0	78	75	0.6	0.6	6.6	6.4	91	91	326	4	326	3	3	4	4.2
20	1016.6	1013.2	76.6	76.1	77	75	1.4	0.6	6.2	7.0	79	91	157	8	157	13	3	10	1.7
21	1011.2	1010.5	78.2	79.1	80	76	0.7	0.9	8.0	8.2	91	87	157	12	135	15	10	10	2.7
22	1012.2	1017.6	78.3	78.6	79	77	0.3	0.4	8.6	8.4	96	94	135	14	146	12	10	10	2.4
23	1022.7	1023.0	78.9	78.3	79	78	0.7	0.9	8.3	7.7	90	88	180	9	157	9	8	3	4.9
24	1028.4	1026.7	79.3	78.6	80	78	0.1	0.2	9.3	8.8	99	97	180	3	146	12	10	3	5.0
25	1023.7	1023.0	80.0	80.0	80	78	0.2	0.4	9.7	9.3	97	94	180	7	203	6	10	9	2.6
26	1021.7	1007.4	77.4	78.3	80	76	0.8	1.0	7.4	7.6	89	86	203	5	180	10	3	9	1.2
27	998.3	996.6	73.9	74.7	79	74	0.8	0.8	5.5	6.0	85	85	203	12	203	9	2	0	4.1
28	995.6	1004.7	73.6	73.8	76	74	0.8	1.0	5.4	5.3	83	81	203	2	—	1	3	1	4.0
29	1016.9	1026.1	75.1	74.4	77	73	0.7	1.0	6.4	5.6	90	82	45	3	—	1	5	1	0.2
30	1029.8	1032.8	76.4	76.9	77	74	2.3	1.3	5.3	6.5	90	81	67	7	90	5	8	10	1.0
31	1034.2	1033.5	77.0	76.1	77	76	2.3	2.0	5.5	5.4	69	71	101	7	101	5	10	4	—
Mean	1003.3	1003.7	77.3	77.2	78.7	75.9	0.7	0.7	7.4	7.4	89	89	7.7	7.3	6.9	6.3	69.6	0.99	—
Mean Pressure at Station Level.	997.1	997.5																	

ABERDEEN, a.c.e.—JANUARY 1919.

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 = 21.9 m. Lat. 57° 10' N. Long. 2° 6' 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
															9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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

FORT WILLIAM, INVERNESS-SHIRE, a.c.—JANUARY 1919.

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° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Rain gauge, H ₂ = 0.50 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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.	a.			millibar.	%	%	Dir. m/s.	Dir. m/s.	Tenths of Sky covered.		mm.	hr.	a.		
1	998.6	983.4	200+	200+	200+	200+	0.9	0.7	6.9	7.2	86	90	225	4	— 0	10	10	5.1	Dull showery day.	
2	987.1	993.2	79.1	76.3	79	73	1.8	1.1	7.1	6.4	77	83	315	2	— 0	10	2	—	Fair to fine.	
3	991.9	987.5	72.0	69.2	77	69	0.6	0.1	4.8	4.4	84	95	—	0	— 0	10	—	—	— a. — p.	
4	983.4	981.0	69.7	75.2	75	68	0.2	0.6	4.4	6.5	93	91	90	1	90 2	3	10	1.5	— a. —	
5	983.4	984.1	76.4	76.9	77	75	1.8	1.8	5.8	6.0	74	75	45	5	45 2	10	10	—	Dull and lowering.	
6	977.0	975.9	74.7	74.8	77	74	0.7	0.7	6.1	6.2	88	88	—	0	90 2	10	10	—	Dull and lowering.	
7	978.3	983.0	78.3	78.6	81	72	2.1	1.7	6.4	7.0	73	78	135	1	90 3	10	4	—	Dull and lowering.	
8	988.5	989.1	78.0	78.0	81	77	0.7	1.7	7.7	6.6	90	77	—	0	— 0	10	9	2.3	Dull and lowering.	
9	978.0	973.9	79.1	77.3	81	77	1.7	0.9	7.3	7.1	78	86	—	0	— 0	10	10	0.3	Dull.	
10	989.1	995.9	78.1	76.3	79	76	1.2	1.1	7.2	6.4	83	83	225	5	225 1	10	10	11.4	Dull showery day.	
																7	0.8	—	q., with ▲ early; fair to fine p.	
11	998.3	997.9	76.3	77.0	79	76	1.2	0.7	6.3	7.3	81	90	225	1	225 3	9	10	1.3	— showers after 18 h.	
12	999.0	1002.4	76.0	75.3	78	75	0.3	0.3	7.2	6.9	86	94	—	0	— 0	10	10	0.8	— early. — showers.	
13	1007.1	999.6	73.0	79.7	81	72	0.6	1.7	5.3	7.5	87	77	—	0	225 3	3	10	17.8	Generally fine. — after 20 h.	
14	1000.3	1002.4	79.0	75.8	80	76	0.5	0.6	8.7	6.7	93	90	225	2	90 1	10	1	8.9	— showers and c.	
15	993.5	994.6	79.7	75.3	80	74	1.2	0.4	8.2	6.7	83	93	225	4	225 3	10	5	16.8	Dull and showery.	
16	990.8	996.3	76.2	76.3	77	75	0.4	1.0	7.1	6.5	93	85	225	2	315 4	10	10	13.0	— and * (sleet). — on hills.	
17	1003.0	1010.1	77.3	75.9	79	76	1.6	0.6	6.4	6.9	77	91	225	1	225 1	2	9	—	Fair to fine generally.	
18	1018.6	1020.6	72.4	70.8	77	71	0.6	0.6	5.0	4.1	85	78	—	0	— 0	1	0	—	Fine, clear, and sunny.	
19	1016.2	1013.5	73.7	76.3	77	69	0.7	0.7	5.5	6.9	86	89	—	0	225 2	10	0	—	Dull. —.	
20	1007.8	1005.4	75.8	77.6	79	74	0.8	1.6	6.5	6.5	87	77	225	1	— 0	8	10	2.5	Dull and c. Fair.	
21	1008.8	1016.2	77.4	78.2	79	76	1.1	1.3	7.0	7.2	84	82	—	0	— 0	8	10	—	Dull and c. Fair.	
22	1023.7	1025.4	77.4	79.1	81	76	1.1	1.8	7.0	7.1	84	77	225	2	225 3	2	10	1.3	Fine.	
23	1029.8	1029.1	78.6	79.6	80	78	0.1	0.4	8.9	9.0	98	94	—	0	225 3	10	10	4.8	—.	
24	1027.7	1026.7	80.2	80.8	81	79	0.2	0.3	9.9	10.0	98	96	225	3	225 3	10	10	17.0	—.	
25	1023.3	1011.5	78.8	79.1	81	77	0.3	1.8	8.8	7.1	95	77	225	2	225 5	10	10	9.1	—.	
26	1004.7	1001.0	74.7	75.2	80	73	1.3	1.1	5.3	6.0	77	82	225	4	225 3	10	6	10.2	Dull and showery. Hill.	
27	996.6	1005.7	71.9	71.3	75	70	0.4	0.2	5.0	5.1	88	95	—	0	— 0	7	10	7.9	—.	
28	1017.3	1025.0	70.0	71.3	74	66	0.4	0.6	4.0	4.4	83	82	—	0	— 0	3	1	—	— 8 cm. 21 h. —.	
29	1027.7	1028.8	73.4	76.3	76	71	0.4	1.7	5.8	5.9	91	75	90	1	45 3	8	10	—	— 13 cm. Fine and sunny.	
30	1028.4	1029.4	75.8	74.7	78	73	2.2	2.2	5.0	4.5	68	76	45	4	45 3	2	0	—	— Fine and sunny.	
31	1031.5	1031.5	72.3	69.7	75	70	1.1	0.4	4.3	3.9	72	83	90	2	— 0	6	0	—	— Fine and sunny.	
Mean	1003.5	1003.9	75.9	76.0	78.5	73.5	0.9	1.0	6.5	6.5	85	84	1.5	1.6	7.5	7.2	132.8			
Mean Pressure at Station Level.	1002.0	1002.4																		

DOUGLAS, ISLE OF MAN, a.—JANUARY 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1005.4	987.8	78.6	78.6	82	75	0.0	1.1	9.1	7.8	100	85	225	6	7.0	11.4	n ₇₁	q., with continuous.	
2	994.2	997.3	79.1	76.3	80	76	1.5	0.8	7.4	6.8	80	87	295	8	3	7.1	5.3	q. a. Bright.	
3	991.2	985.1	73.8	75.2	79	74	0.3	0.2	6.1	6.8	94	96	203	1	4	5.1	0.2	o., with * and showers.	
4	979.0	977.6	75.8	75.2	77	74	0.6	0.6	6.8	6.4	91	91	232	3	10	1.8	—	o., early. q. * showers.	
5	979.0	981.0	76.3	76.3	77	75	0.7	0.6	6.8	7.1	89	91	337	2	8	0.3	—	o. a. Gloomy.	
6	978.6	974.2	76.9	78.0	79	76	0.6	1.4	7.4	7.1	92	81	337	3	10	1.3	2.6	c. till 11 h. and from 15 h.	
7	972.9	981.0	78.0	78.8	79	77	0.6	0.4	8.1	8.8	92	100	113	8	10	3.3	—	q. a. o., with showers p.	
8	990.5	986.8	79.1	79.1	80	78	0.6	0.0	8.8	9.5	92	100	113	2	10	6.9	0.1	o. * after 18 h. * after 23 h.	
9	971.2	983.4	80.5	78.3	81	78	0.4	0.4	9.8	8.5	95	94	135	8	10	18.8	—	o. * after 18 h. * after 23 h.	
10	998.3	997.9	78.6	76.9	80	76	1.9	0.6	6.8	7.4	75	92	225	3	10	8.1	2.3	Fine to c. showers. q. p. [after 18 h.]	
11	1001.7	1000.7	76.1	77.4	80	75	0.3	0.2	7.1	8.1	95	98	270	2	4	5.8	3.7	o. early. Fine. c. to o.	
12	1001.3	1003.4	76.9	76.2	79	75	0.2	0.8	7.8	6.8	98	88	293	1	7	—	2.6	o. early. Fine. c. to o.	
13	1009.5	1006.8	77.7	79.1	80	76	0.3	0.6	8.1	8.8	96	92	135	2	10	10.2	0.3	c. to o. * after 18 h. [30 m.]	
14	1004.0	1004.0	80.5	79.0	82	79	0.3	0.0	9.8	9.5	96	100	225	1	10	3.8	—	o. showers.	
15	1000.7	999.3	80.5	77.4	82	77	0.8	0.7	9.1	7.4	89	90	225	3	0	6.1	3.0	Fine to o. * 15 h. 30 m. 17 h.	
16	996.9	1000.0	78.0	77.4	80	76	1.1	1.1	7.4	7.1	84	84	247	2	7	1.0	2.3	Fine to o. showers afternoon.	
17	1007.8	1012.8	77.4	78.0	79	76	1.1	1.1	7.4	7.4	84	84	293	6	7	—	6.2	Bright and g. showers p.	
18	1018.3	1021.3	76.3	76.3	80	75	0.6	0.6	7.1	7.1	91	91	315	2	8	—	2.0	o. early. Very fine to c.	
19	1018.6	1014.2	76.9	78.6	79	76	0.4	0.0	7.4	9.1	94	100	135	2	10	7.4	—	o. Continuous * after 14 h.	
20	1007.4	1004.7	78.6	80.4	81	78	0.6	0.0	8.5	10.2	92	100	113	2	10	5.1	—	o. 14 h. 16 h. * * p.	
21	1011.2	1017.3	79.1	76.3	82	76	0.0	0.6	9.5	7.1	100	91	135	1	4	—	2.2	o. * early. c. p.	
22	1026.4	1029.8	76.9	78.8	79	76	0.6	0.9	7.4	8.1	92	87	113	2	10	0.3	—	o. * a. o., with showers.	
23	1032.2	1033.8	78.6	78.0	79	77	0.0	0.4	9.1	8.1	100	94	157	2	10	3.8	—	o. * a. o., with showers.	
24	1035.2	1032.5	78.0	80.2	80	77	0.0	0.3	8.8	9.8	100	96	180	2	10	9.9	—	Frequent o. * at times.	
25	1026.1	1020.6	80.2	78.3	81	77	0.0	0.6	10.2	8.1	100	92	225	2	10	—	2.1	Continuous * till 13 h.	
26	1012.5	1006.8	77.4	75.8	80	76	1.4	0.6	6.8	6.8	80	91	270	3	2	1.5	3.8	o. a. Fine. * 17 h.	
27	999.6	1005.7	75.5	75.2	n ₇₆	75	0.6	1.4	6.8	5.8	91	78	270	4	0	—	1.2	o. a. c. and q.	
28	1013.9	1021.0	74.1	74.9	n ₇₆	n ₇₂	1.1	0.6	5.4	6.4	79	91	360	1	3	—	2.2	o. a. c. to bright.	
29	1024.0	1023.0	75.8	76.1	n ₇₂	n ₇₂	0.8	0.3	6.4	7.1	87	95	23	2	10	2.8	6.7	o. a. Very fine.	
30	1024.7	1027.1	76.1	74.7	n ₇₄	n ₇₄	1.9	1.9	5.4	4.7	71	69	90	5	10	—	1.0	o. a. q. and o.	
31	1026.7	1027.1	74.7	75.5	n ₇₆	n ₇₄	0.8	0.8	5.8	6.4	85	87	67	2	10	—	—	o. a. q. and o.	
Mean	1005.1	1005.3	77.5	77.3	79.4	75.8	0.6	0.6	7.6	7.6	90	91	3.0	2.8	7.5	7.0	133.7	1.74	73.7
Mean Pressure at Station Level.	994.5	994.7																	

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

Temperature, 20 m. after Greenwich.

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.

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, h _r . 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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.		%	%	0-12		0-12		Tenths of Sky covered.						
		200+	200+	200+	200+													mm.	hr.	200+		
1	1024·0	1022·3	72·9	73·6	74	72	0·2	0·3	5·9	6·0	95	93	45	3	67	3	10≡	10	—	71	≡° g.	
2	1020·0	1020	73·6	74·2	75	73	0·2	0·9	6·1	5·6	95	83	45	3	67	3	10*	10	—	72	*°. Dull and g.	
3	1019·7	1018·7	73·3	72·8	74	72	0·7	0·4	5·4	5·5	85	91	247	1	90	3	10≡	10	—	72	≡° a. g.	
4	1015·3	1009·8	71·0	73·8	76	70	0·2	0·9	5·0	5·4	95	83	203	2	203	2	3≡	10	—	71	Bright a. ≡°. c. to o.	
5	1003·1	1002·0	73·8	73·3	74	73	0·2	0·2	6·3	6·1	96	97	135	3	67	4	10≡*	10	—	71	*° till 20 h. ☒ 21 h.	
6	1013·2	1014·2	73·1	74·2	74	72	0·2	1·2	6·0	5·3	96	78	180	2	135	3	10≡	10	—	71	☐°, ☒°, o.	
7	1023·5	1034·7	73·2	69·9	74	70	0·7	1·2	5·4	2·8	85	158	113	4	135	4	10≡	4	—	71	[X]°. ≡°. o. to c.	
8	1037·7	1040·4	68·1	69·3	n 71	67	0·8	0·8	2·7	2·3	64	60	135	3	157	4	2	3	—	63	[X] Bright and frosty.	
9	1041·8	1039·2	67·7	67·4	72	n 65	0·6	0·3	2·8	4·2	70	88	135	3	113	2	2	3≡	—	64	Bright and frosty.	
10	1034·2	1030·3	69·3	70·8	72	66	0·3	0·4	4·1	4·4	88	86	113	3	90	3	5≡	6	—	n 61	≡° a. c.	
11	1028·0	1026·6	71·2	73·3	75	69	0·1	0·2	5·3	6·0	98	96	90	3	90	3	10≡	7	—	o'3	63	Dull and cold a. ≡. c.
12	1026·4	1022·3	69·6	71·7	76	69	0·1	0·4	4·5	4·0	96	88	90	2	113	2	3	5	—	3·4	65	⌋≡°. Fine 11 h.-15 h. ≡° p.
13	1016·8	1011·1	70·9	73·3	79	68	0·3	0·7	4·6	5·3	88	85	135	2	135	2	4≡	4≡	—	o'4	62	⌋≡° a. Bright 9 h.-15 h. ≡° p.
14	1006·0	1002·4	74·7	76·9	78	73	0·4	0·7	6·4	7·3	92	90	135	2	135	2	10≡	10≡	o'3	70	Dull. ●° 9 h. o. evening.	
15	1000·3	998·5	74·9	75·8	77	74	0·1	0·1	7·0	7·4	99	96	135	2	135	2	10≡	10≡	4·5	74	Wretched misty day. ●° p.	
16	993·6	985·0	74·7	76·3	76	74	0·1	0·3	6·9	7·3	99	96	67	5	67	6	10≡*	10*	24·2	74	Dull and misty all day.	
17	984·4	991·2	73·7	73·6	76	73	0·2	0·6	6·2	5·6	96	96	67	5	67	2	10*	9≡	o'3	72	[X]. Dull, with * a. c.	
18	1000·3	1004·4	73·6	73·7	76	73	0·1	1·1	6·2	5·1	97	80	23	4	67	2	10	10●	10·0	72	*° (sleet) most of day.	
19	997·4	987·4	73·5	75·6	76	71	0·6	0·1	5·6	7·2	89	99	135	4	157	4	10	10●	6·1	66	*° (sleet) a. *°. 12 h.-15 h.	
20	982·1	986·9	77·4	79·4	81	75	0·1	0·2	8·2	9·2	99	97	157	2	252	2	10≡●	10	o'8	75	≡° a. g., with ●° afternoon. [●° p.	
21	995·2	985·9	79·2	80·4	81	x 79	0·6	0·8	8·7	10·0	92	99	247	2	203	3	10≡	10	9·1	76	g. o., with ●° 14 h. 30 m.-19 h.	
22	982·8	989·6	80·9	78·3	x 82	78	0·4	0·8	10·0	7·8	95	89	180	3	293	5	10●	10	11·3	77	● a. o.	
23	996·0	1002·0	77·8	76·4	80	76	0·7	1·9	7·6	5·6	89	71	315	5	293	2	10≡	10	—	70	Dull. Sunny 15 h.-16 h. ≡° p.	
24	1003·4	1003·4	74·3	76·4	78	74	0·3	1·6	6·3	5·9	93	76	337	2	67	2	10≡	5≡	—	72	o. and misty.	
25	1003·4	1004·9	74·6	74·8	77	72	1·1	1·2	5·6	5·5	81	79	67	2	315	2	10≡	7	—	o'5	69	o.
26	1003·6	1003·5	74·9	75·0	77	72	0·8	0·7	6·1	6·3	87	88	45	2	23	3	10≡	10≡	—	o'1	69	Dull, misty day.
27	1008·4	1013·0	74·3	74·7	77	74	1·1	0·6	5·5	6·2	81	90	337	4	337	4	6≡	6≡	—	1·0	71	c. to o.
28	1016·9	1016·6	73·7	76·1	78	73	0·2	1·1	6·2	6·3	96	84	337	2	203	2	9≡	10≡	—	o'2	69	Dull and misty.
Mean	1009·9	1009·5	73·6	74·3	76·3	72·1	0·4	0·7	6·0	5·9	91	86	2·8		3·0		8·4	8·2	73·9	1·18	68·9	
Mean Pressure at Station Level.	989·3	989·0																				

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, $\frac{1}{2}$ = 0.30 m.		Lat. 52° 12' N.		Long. 0° 5' E.		Time, Greenwich mean time.															
h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.	h.	20 h.
1	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.	20 h.	8 h.
2	1022°9	1020°7	71°9	73°8	74	71	0°0	0°0	5°8	6°4	100	360	1	45	3	10	10	10	10	10	10
3	1019°0	1018°6	73°2	73°0	74	71	0°0	0°0	5°4	5°4	88	87	45	1	90	1	10	10	10	10	
4	1018°7	1017°8	73°0	73°3	75	73	0°0	0°0	6°1	6°4	100	100	0	180	1	10	10	10	10	10	
5	1016°4	1011°3	71°9	70°2	74	69	0°2	0°0	5°4	5°1	93	100	270	1	180	1	5	2	10	10	
6	1005°4	999°7	73°6	73°4	76	70	0°0	0°0	6°4	6°4	100	135	2	90	2	10	10	10	10	10	
7	1012°6	1015°6	72°0	74°7	76	71	0°0	0°8	5°8	5°8	100	185	270	1	90	2	10	10	10	10	
8	1021°2	1034°1	72°4	69°2	75	69	0°6	0°0	5°1	4°7	185	100	45	3	45	2	7	10	10	10	
9	1038°9	1039°9	66°3	66°9	75	66	0°0	0°0	3°7	3°7	100	100	90	1	180	1	0	10	10	10	
10	1042°1	1039°6	60°8	68°0	75	61	0°0	0°0	2°4	4°1	100	100	90	1	45	1	0	10	10	10	
	1035°0	1030°7	68°0	72°6	75	63	0°0	0°0	4°1	6°1	100	100	45	2	135	1	9	10	10	10	
11	1027°9	1026°4	64°1	70°8	76	64	0°0	0°0	3°0	5°1	100	100	225	1	90	2	10	10	10	10	
12	1026°2	1022°7	66°3	70°2	74	66	0°0	0°0	3°7	5°1	100	100	135	1	0	0	10	10	10	10	
13	1017°7	1012°1	63°0	70°5	79	62	0°0	0°0	2°7	5°1	100	100	0	0	0	0	10	10	10	10	
14	1006°5	1002°3	71°9	74°4	80	67	0°0	0°0	5°8	6°8	100	100	90	1	180	1	9	10	10	10	
15	1000°2	999°7	73°3	75°8	79	71	0°0	0°0	6°4	7°4	100	100	90	1	135	1	9	10	10	10	
16	994°3	986°5	75°8	77°2	77	75	0°0	0°0	7°4	8°1	100	100	90	3	90	1	10	10	10	10	
17	982°0	985°5	77°4	74°1	78	74	0°0	0°0	8°5	6°8	100	100	90	1	23	3	10	10	10	10	
18	995°6	1003°5	73°6	75°3	76	74	0°0	0°2	6°4	7°1	100	97	23	1	45	1	10	10	10	10	
19	1000°7	989°8	73°0	76°4	76	71	0°0	0°0	6°1	7°8	100	100	90	1	180	2	7	10	10	10	
20	983°3	987°4	79°7	81°0	83	76	0°0	0°0	9°8	10°2	100	96	135	2	225	1	10	0	—	—	
21	995°4	985°6	81°1	81°2	x84	80	0°3	0°0	10°2	10°8	96	100	270	2	225	2	7	10	7°3	0°5	
22	985°6	986°2	81°6	81°6	x84	x81	0°8	0°3	9°8	10°8	89	96	180	2	225	3	7°0	10	10°6	—	
23	994°6	1000°6	79°7	76°5	82	76	0°8	0°7	8°8	7°1	88	89	270	2	225	1	10	9	—	—	
24	1002°1	1002°7	71°2	77°0	81	71	0°0	0°7	5°4	7°4	100	90	270	1	90	2	7	5	—	1°6	
25	1002°1	1004°3	73°2	75°4	79	72	0°0	0°0	6°1	7°1	100	180	1	180	1	7	10	10	—	1°1	
26	1003°4	1001°2	71°9	75°7	78	71	0°0	0°0	5°8	7°4	100	100	90	1	45	3	3	10	8°3	—	
27	1003°4	1009°7	75°2	76°3	76	75	0°0	0°1	7°1	7°4	100	98	360	2	360	3	10	10	2°4	—	
28	1016°0	1016°8	75°7	73°4	81	74	0°0	0°0	7°4	6°4	100	100	315	1	360	1	10	0	—	0°8	
Mean	1009°7	1009°0	72°5	74°2	77°5	71°0	0°1	0°1	6°1	6°7	98	98	1°3	1°5	8°1	—	6°7	79°4	1°21	70°2	
Mean at Station Level.	1008°0	1007°4																			
x denotes the maximum and n the minimum value in the column.																					

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

ARMAGH, a.c.d.—FEBRUARY 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	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.						%	%	m/s.	m/s.	Tenths of Sky covered.		mm.		hr.	a.	
1	1026.1	1022.3	74.8	75.2	76.7	75.0	1.0	0.4	5.8	6.7	83	94	68	3	1	10	10	—	—	200+			
2	1020.6	1020.6	75.1	75.2	76.7	75.0	0.8	0.7	6.3	6.4	88	89	—	1	1	10	10	—	72	Dull and cold. * ^a .			
3	1018.6	1015.6	74.4	74.6	76.7	74.0	0.5	0.3	6.2	6.4	91	94	—	0	1	10	10	—	74	Dull and cold.			
4	1011.8	1006.1	75.3	77.3	77.7	75.0	0.4	0.3	6.7	7.9	93	95	—	1	1	10	10	—	74	Dull and cold.			
5	999.3	1001.7	76.6	76.6	78.7	76.0	0.4	0.9	7.3	6.7	93	86	68	3	68	2	10	10	0.5	71	c. and milder.		
6	1007.8	1008.8	77.3	78.2	79.7	76.0	0.6	0.3	7.5	8.4	92	95	135	6	135	6	8	10	—	75	o., with ∞.		
7	1019.6	1027.7	77.9	78.6	80.7	77.0	0.2	0.3	8.3	8.7	97	95	158	2	180	2	10	10	—	76	o. and cold.		
8	1031.5	1032.8	74.7	74.6	79.7	74.0	1.6	1.2	5.1	5.4	74	80	158	3	158	5	4	0	—	77	Dull, dark, and wet.		
9	1036.2	1035.5	74.1	73.1	77.7	72.0	1.4	1.3	4.9	4.4	75	81	158	4	135	2	1	0	—	77	Fine, cold, and dry.		
10	1031.8	1027.7	72.9	73.7	77.7	70.0	0.2	0.9	5.9	5.3	96	81	—	1	360	2	2	0	—	8.1	Fine, dry, and frosty.		
																			6.6	65	Fine and frosty.		
11	1026.4	1024.4	73.8	74.7	80.7	72.0	0.7	0.3	5.6	6.6	87	95	68	4	90	3	0	1	—	6.4	69	Fine and frosty. ∞	
12	1022.0	1017.6	74.3	76.3	80.7	73.0	0.6	1.4	6.1	6.2	89	79	—	1	1	0	10	10	0.3	5.6	69	Fine and frosty.	
13	1012.5	1007.8	78.2	75.5	80.7	75.0	0.8	0.1	7.8	7.2	89	99	158	2	—	1	10	3	—	—	76	o.	
14	1004.0	1000.0	72.6	76.0	79.7	70.0	0.1	0.3	5.9	7.2	97	96	—	1	1	10	10	10	2.5	1.8	67	≡ ^a .	
15	996.9	994.9	77.9	78.8	79.7	75.0	0.2	0.1	8.3	9.1	97	99	90	4	135	3	10	10	4.6	—	74	≡ ^a .	
16	992.5	989.5	77.8	76.7	79.7	75.0	0.3	0.4	8.2	7.4	96	94	113	2	45	2	10	10	—	0.2	77	≡ ^a .	
17	991.9	999.0	76.5	74.3	79.7	74.0	0.8	0.9	6.8	5.6	87	83	45	4	45	2	10	8	—	1.0	76	Dull, damp, and misty.	
18	1003.4	999.6	71.8	74.6	79.7	70.0	0.8	1.4	4.5	5.2	77	76	—	1	180	4	0	8	—	8.4	n 64	Dull and cold.	
19	989.5	980.0	75.2	79.4	80.7	74.0	0.7	0.4	6.4	9.1	88	94	113	5	158	4	10	8	—	—	70	Bright and frosty. ∞	
20	980.3	987.8	78.6	77.9	80.7	78.0	0.1	0.1	9.0	8.6	99	99	135	3	—	0	10	10	3.6	—	77	•. *• (sleet). Very wet day.	
																			0.3	—	—	77	Dull, damp, and foggy.
21	989.8	980.0	78.5	78.2	81.7	77.0	0.1	0.1	8.8	8.7	99	99	—	1	68	4	10	10	1.5	—	76	Dull, damp, and foggy.	
22	982.4	991.9	77.9	78.2	79.7	77.0	0.1	0.6	8.5	8.1	99	92	—	1	315	3	10	8	0.8	—	77	Dull, damp, and misty. W.	
23	998.6	1002.0	76.0	73.8	81.7	74.0	2.0	1.0	5.9	5.3	73	81	293	2	—	1	9	0	—	3.8	72	Fine to c. W.	
24	1004.4	1004.7	73.6	73.8	81.7	70.0	1.1	0.4	4.9	6.0	78	91	—	1	1	0	2	—	—	8.8	66	Fine and frosty. W.	
25	1004.4	1005.1	71.3	73.7	78.7	70.0	0.2	0.5	5.0	5.9	93	90	—	1	90	2	0	—	—	2.0	n 64	c. and frosty. Zodiacal light.	
26	1006.1	1009.8	77.2	76.1	79.7	71.0	1.1	0.8	7.0	6.6	85	87	90	2	23	2	8	0	—	0.5	66	c.	
27	1013.2	1016.6	74.4	74.6	80.7	72.0	0.9	0.6	5.6	5.2	83	86	—	1	6	0	0	—	—	8.0	66	▲ showers. Fine. W.	
28	1016.2	1012.8	74.3	74.7	81.7	70.0	1.3	0.6	5.2	6.2	77	90	23	2	180	3	0	0	—	10.0	66	Clear and frosty.	
Mean	1008.4	1008.0	75.5	75.8	78.9	73.6	0.7	0.6	6.5	6.8	88	90	2.2	2.2	6.7	6.4	23.7	2.82	71.3				
Mean Pressure at Station Level.	1000.7	1000.2																					

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHOENIX PARK), a.c.—FEBRUARY 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
1	1024.0	1021.3	76.4	75.8	77	75	1.4	1.3	6.1	6.1	79	80	135	3	135	4		8	o., with * showers a. and p.	
2	1019.6	1019.6	75.8	75.7	n 76	74	1.1	1.0	6.1	6.1	83	85	—	1	10	10		—	74 o.	
3	1018.3	1015.6	75.3	75.7	77	75	0.8	0.4	6.4	6.8	88	93	135	2	—	0	10	74 o.		
4	1011.2	1005.1	75.1	78.5	79	71	0.3	0.6	6.8	8.5	96	93	—	0	—	0	10	74 o. = p.		
5	997.6	1001.3	76.6	76.3	79	76	0.4	0.3	7.4	7.4	94	90	90	5	45	1	10	67 o., with * a. and p.		
6	1007.8	1007.4	78.0	78.3	80	76	0.2	0.3	8.5	8.5	97	96	—	0	—	0	10	76 o., with * a. and p.		
7	1018.6	1028.4	78.0	76.8	80	75	0.4	0.5	8.1	7.4	94	93	—	0	—	0	10	76 o., with * a. and p.		
8	1031.5	1032.8	74.6	74.6	77	74	0.9	1.1	5.8	5.4	84	81	90	4	90	5	3	75 o.		
9	1035.5	1034.5	74.8	74.8	77	73	1.6	1.2	5.1	5.4	74	79	90	4	90	4	3	70 Fine and bright.		
10	1029.4	1026.1	75.7	75.0	77	72	1.7	1.4	5.8	5.4	75	76	90	3	—	0	0	70 Fine and bright.		
11	1024.7	1022.7	76.3	76.9	80	70	1.1	0.6	6.4	7.4	83	92	90	3	45	4	0 =	66 = a. Fine and bright.		
12	1020.3	1016.6	76.3	77.4	80	70	1.8	0.2	5.8	8.1	73	98	—	0	—	0	0	66 c.		
13	1013.2	1007.4	77.9	73.7	81	74	0.4	0.1	8.1	6.4	95	98	—	0	—	0	10	66 o. 2.5		
14	1003.4	999.0	78.6	79.1	80	72	0.1	0.7	9.1	8.5	99	90	—	0	—	0	10	75 5.0		
15	995.9	994.2	78.8	78.0	81	77	1.2	0.3	7.8	8.5	84	96	—	0	—	0	10	75 o. 68		
16	991.5	986.4	78.6	78.0	80	77	0.6	0.6	8.5	7.8	92	91	—	0	—	0	10	75 o. 68		
17	988.5	996.9	77.7	76.7	79	76	0.6	0.9	7.8	6.8	91	86	45	5	45	7	10	75 o. most of day.		
18	1003.7	1000.0	73.2	70.8	80	69	0.8	0.3	5.1	4.7	82	89	—	0	—	0	10	76 o. a. o.		
19	987.8	980.7	76.1	80.5	x 82	70	0.3	0.7	7.1	9.5	95	91	45	7	—	0	10	76 Fine and bright.		
20	979.3	987.5	79.7	79.1	81	x 78	0.1	0.2	9.8	9.1	99	98	—	0	—	0	10	76 o. a. o.		
21	989.8	981.0	79.7	78.8	x 82	77	0.4	0.1	9.1	9.1	94	99	—	0	—	0	8	74 o. a. c.		
22	980.3	992.5	80.2	78.6	80	x 78	0.1	0.6	9.8	8.5	98	92	—	0	45	2	10	75 o.		
23	999.3	1002.4	74.9	71.3	81	71	0.8	0.3	6.1	5.1	86	91	—	0	—	0	3	77 o. a. o.		
24	1003.7	1003.0	74.0	71.9	80	69	1.1	0.1	5.1	5.4	80	98	—	0	—	0	7	75 Fine.		
25	1003.0	1003.7	74.0	73.0	80	70	1.1	0.3	5.1	5.8	80	93	—	0	—	0	3	75 Fine and bright.		
26	1004.4	1007.8	75.8	76.6	79	71	0.2	0.5	7.1	7.1	96	92	—	0	—	0	3	75 Fine.		
27	1012.5	1015.6	74.7	71.1	80	70	0.6	0.1	6.4	5.1	90	96	—	0	—	0	9	75 * a. c.		
28	1016.2	1012.5	71.1	72.4	80	n 66	1.2	0.2	3.4	5.8	n 63	95	—	0	—	0	4	69 Fine and bright.		
Mean	1007.5	1007.2	76.3	75.9	79.4	73.1	0.8	0.5	6.9	7.0	87	91	1.3	1.4	6.9	6.6	38.2	2.93	71.0	
Mean Pressure at Station Level.	1001.5	1001.2																		
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,
April 15th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—MARCH 1919.

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

Rain-gauge, h _r = 1.2 m. Cups of Anemometer, h _a = 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.						%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.
1	1005.6	996.1	200+	200+	200+	200+	1.0	1.0	6.7	7.0	85	86	214	5	169	13	7	10.0	1.1	1.3	200+
2	984.9	983.9	76.7	77.1	78	74	1.0	1.0	6.7	7.0	85	86	214	5	169	13	7	10.0	1.1	1.3	Showery. ☉ and mock sun 9 h.
3	994.7	1007.6	78.8	75.0	80	75	0.6	1.3	8.5	5.6	92	79	169	13	247	18	10	2	1.7	0.1	Dull. ☁. *°. ☉ 21 h.
4	1005.2	1007.3	72.8	71.1	76	71	0.1	0.0	5.9	5.3	98	100	11	6	259	8	8	6	2.1	3.7	☉ 5 cm. *°. ☉
5	1011.3	1011.3	74.7	76.4	79	71	0.1	2.2	6.8	5.4	98	100	214	14	236	5	2	1	1.9	7.9	☉ 3 cm. *°. Mock sun. Fine.
6	1000.5	1001.5	76.1	73.6	79	74	1.0	0.3	6.4	6.1	84	94	157	5	—	1	1	2.0	3.2	6.6	☉. Fine. *° 18 h.—20 h. ☉
7	1004.9	1009.6	76.7	73.4	79	73	0.6	0.4	7.3	5.9	92	92	203	10	304	12	10*	5	1.2	3.0	*° showers. ☉
8	1008.6	1009.6	74.1	72.2	76	72	0.2	0.3	6.4	5.3	97	91	337	6	23	7	8*	7	0.1	4.3	* and ▲ showers. ☉
9	1000.8	999.5	74.1	75.7	76	71	0.2	1.6	6.4	5.7	96	77	79	2	180	11	9	10	6.3	0.1	Fair. *° n.
10	1000.8	1003.2	76.1	76.2	79	74	0.4	0.7	7.2	6.9	94	90	247	5	247	5	8	6	0.7	3.2	☉. Mock suns. °° 21 h.
11	995.7	985.9	76.8	76.7	79	74	0.7	1.1	7.2	6.9	90	84	135	10	214	11	10	1	7.1	1.1	☉. mostly.
12	982.5	1004.5	78.9	75.7	81	75	1.1	1.1	7.8	6.1	85	83	214	12	349	8	9°	9*	0.6	1.2	°°, with *°▲° n.
13	1014.0	1019.4	75.9	75.3	79	73	1.2	1.6	6.1	5.4	82	75	23	10	34	9	5°	2	—	7.1	*°▲° early. ☉. Fine.
14	1017.8	1018.4	76.5	76.8	78	74	1.5	1.2	6.1	6.5	78	83	23	10	34	8	10	9	0.8	0.2	☉. Very dull.
15	1022.2	1022.8	77.6	76.7	78	74	0.8	1.1	7.4	6.6	89	84	90	6	101	7	5	9	1.3	1.7	☉. Passing °.
16	1028.9	1033.7	76.6	76.1	78	75	0.9	0.0	6.8	7.6	87	100	90	6	135	3	4°	9°	0.2	8.8	Mostly very fine.
17	1032.0	1031.3	77.8	76.4	80	75	0.9	0.0	6.8	6.8	81	87	157	7	270	4	3	1	3.6	4.1	Fine.
18	1031.6	1032.3	76.0	76.1	80	75	0.2	0.6	7.3	7.0	96	91	315	11	315	7	10*	3	1.0	6.2	*° 6 h.—14 h. ☉
19	1028.2	1022.2	76.7	75.0	80	74	0.6	1.7	7.3	5.2	92	73	67	6	90	7	8°	8	—	7.6	Fine. ☉
20	1014.7	1013.7	75.6	74.6	77	75	0.8	0.7	6.4	6.0	87	88	113	16	101	13	10*	10	—	—	*° 9 h. Very dull.
21	1013.3	1015.7	74.7	74.4	77	73	0.6	0.8	6.2	5.8	90	85	90	7	101	4	7	9	0.2	2.7	Fair. °° 21 h.
22	1014.0	1014.0	75.6	73.9	77	73	0.4	1.1	6.9	5.2	94	79	349	3	135	5	3	4	—	5.9	Fine. ☉
23	1011.3	1005.9	74.8	75.0	76	72	0.3	0.6	6.5	6.4	94	91	270	4	315	3	1	10	0.4	4.4	Fine to fine.
24	1005.2	1005.9	74.1	73.1	77	72	0.4	0.8	6.2	5.0	92	81	349	7	360	4	6°	1	1.2	5.6	Fine to *°.
25	1010.6	1015.4	75.1	74.1	77	72	0.8	1.3	6.2	5.0	87	76	—	1	—	0	2°	0	—	3.9	☉. Fine.
26	1015.7	1012.7	76.1	75.9	79	72	1.1	1.5	6.4	5.9	83	78	225	3	203	6	7	7	2.2	7.7	Very fine.
27	1003.9	986.3	74.4	75.0	79	74	0.0	0.0	6.8	7.1	100	100	180	12	157	11	10*	10*	2.2	0.1	*° from 7 h.—22 h. [23 h.
28	974.7	990.7	76.1	75.1	77	74	0.2	0.1	7.3	7.0	97	98	349	17	326	11	10*	10*	0.2	—	*° showers. 13 h., 15 h.,
29	997.4	997.1	75.0	74.7	75	71	0.6	0.0	6.4	5.5	91	100	293	14	304	11	7	10*	4.8	5.7	☉. +. *° showers. 1 h., 4 h.
30	997.4	995.1	71.7	73.3	75	71	0.0	0.6	5.5	5.5	100	88	315	19	304	11	10*	2	9.8	0.2	*° showers. 4 h., 6 h., 9 h.
31	997.7	995.4	75.9	75.6	78	73	0.7	0.6	6.6	6.6	88	91	337	12	337	13	10	8°	10.0	5.5	*° showers throughout.
	1001.5	1000.5	76.1	75.6	77	73	0.8	1.1	6.7	6.1	88	83	337	10	34	8	9°	5	2.2	1.2	*° showers throughout. ☉
Mean	1007.1	1007.6	75.7	74.9	77.9	73.2	0.6	0.8	6.7	6.1	91	86	8.7	7.9	7.1	6.0	76.5	3.58			
Mean Pressure at Station Level.	1000.8	1001.3																			

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

FORT WILLIAM, INVERNESS-SHIRE, a.c.—MARCH 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.						%	%	Dir. m/s.	Dir. m/s.	Tenths of Sky covered.		mm.		hr.	a.
1	1007.1	996.6	200+	200+	200+	200+	1.3	0.7	5.4	7.5	78	90	—	0	225	2	10	10.4	—	200+	Dull, with ● after 15 h.
2	987.8	992.2	80.3	73.7	79	74	1.2	0.7	8.5	5.5	84	86	225	4	270	4	10	3	11.4	—	Unsettled. q. at times. * showers.
3	1002.0	1012.8	73.7	72.6	76	72	1.8	1.2	4.3	4.3	68	71	270	4	225	1	6	3	6.4	—	* early. ☐ 5 cm. Fine generally.
4	1012.2	1011.5	71.9	75.2	80	70	0.6	1.7	4.7	5.4	83	74	225	2	225	2	1	1	—	—	☐ Fine.
5	1012.5	1013.2	74.1	75.9	80	72	1.1	1.1	5.4	6.2	80	83	—	0	225	2	1	10	—	—	Fine and sunny.
6	1005.4	1002.4	77.5	74.7	80	74	0.2	1.7	8.2	5.0	97	72	225	4	—	0	10	3	—	—	Dull, showery. ☐ 21 h.
7	1002.0	1006.8	74.1	74.6	77	71	1.6	2.7	4.8	4.0	73	78	225	2	—	0	10	0	—	—	Dull. * showers. ☐ 21 h.
8	1006.1	1001.3	75.9	78.0	78	74	1.9	0.4	5.4	8.1	72	94	135	3	225	2	10	10	—	—	Dull. * shower. ☐ 21 h.
9	1004.0	1005.7	77.6	75.8	81	75	1.2	0.6	7.0	6.7	83	90	225	2	225	1	10	10	9.7	—	Alternate sun and showers.
10	991.9	991.5	77.8	77.9	81	75	1.1	2.1	7.3	6.2	85	71	225	2	225	4	10	10	7.1	—	Dull and showery. q. at times.
11	994.6	1004.4	77.6	75.2	81	75	0.7	1.1	7.5	6.0	90	82	225	4	—	0	9	5	0.3	—	Showery at first. Afternoon fine.
12	1014.2	1018.3	75.2	73.2	79	73	2.2	0.7	4.8	5.2	66	84	45	3	—	0	1	1	—	—	Fine and sunny. ☐ 21 h.
13	1016.2	1018.3	74.5	74.8	78	71	1.5	0.8	5.1	6.0	74	86	45	3	45	1	4	9	—	—	* showers.
14	1020.6	1019.6	76.2	75.7	80	74	1.5	1.0	6.0	6.2	77	85	—	0	—	0	9	10	0.5	—	Fine and sunny.
15	1027.1	1031.8	75.2	76.3	80	72	0.6	1.7	6.5	5.9	91	75	90	1	—	0	10	9	—	—	Fine and sunny. ☐ 21 h.
16	1033.5	1035.9	76.9	79.2	80	72	0.2	2.3	6.9	6.6	86	70	225	1	225	2	10	0	—	—	Dull. ☐ showers till 15 h. then fine.
17	1037.2	1035.2	78.7	75.9	80	72	1.0	2.3	6.9	6.6	86	70	225	1	225	2	10	3	0.8	—	Very fine and sunny. ☐ on hills.
18	1027.4	1017.6	74.7	76.9	78	73	1.1	1.7	5.5	6.1	80	77	—	0	225	3	4	2	—	—	Dull, with ☐ showers. ☐ on hills.
19	1003.7	1000.3	76.3	77.4	78	76	1.5	2.3	6.1	5.7	77	68	45	4	45	4	10	10	1.0	—	Blustering. q. o. and sleet.
20	1008.1	1010.5	75.3	74.1	78	73	1.6	2.0	5.4	4.4	75	66	45	4	45	4	10	10	5.3	—	Fair generally. * showers.
21	1011.2	1011.8	74.8	73.4	78	72	1.8	0.4	4.9	5.8	71	92	45	5	45	2	7	9	—	—	Fine and sunny.
22	1012.5	1009.1	71.9	72.8	79	70	0.6	1.5	4.7	4.1	83	67	—	0	—	0	0	0	—	—	Very fine and sunny. ☐ 21 h.
23	1006.8	1007.1	72.0	73.0	78	69	0.1	0.7	5.5	5.1	87	67	—	0	—	0	0	0	0.5	—	* showers. Intermittent sun.
24	1010.8	1015.2	74.1	73.6	79	68	1.2	0.6	5.2	5.6	78	89	—	0	—	0	1	1	—	—	Fine, clear, and sunny. ☐ 21 h.
25	1018.3	1015.2	72.4	74.1	80	68	1.3	0.1	4.1	5.3	69	79	—	0	225	2	0	8	—	—	Fine, clear, and sunny. ☐ 18 h.
26	1007.8	986.4	73.7	76.9	78	73	0.4	0.7	6.0	7.2	92	90	225	3	225	6	10	10	0.5	—	* shower. ☐ 2 and q. after
27	983.7	996.9	77.3	75.9	79	70	2.5	2.4	5.4	4.9	66	66	315	4	315	5	10	2	31.0	—	Blustering. ☐ and sleet showers.
28	1004.7	1005.1	72.7	70.2	76	70	0.9	0.6	4.7	3.8	77	79	360	3	—	0	4	2	1.8	—	* showers. Sunny intervals.
29	1003.0	1003.0	74.1	71.3	76	70	1.1	0.6	5.3	4.4	79	82	—	0	315	2	6	2	0.5	—	* showers. Sunny intervals.
30	996.6	1000.3	75.8	75.2	79	70	1.6	1.2	5.7	5.9	77	80	315	2	315	2	10	1	0.8	—	* showers. Sunny intervals.
31	1002.7	1003.0	76.3	75.2	79	73	1.8	1.5	5.8	5.5	74	76	315	1	315	3	10	9	—	—	Generally sunny. * showers.
Mean	1008.8	1009.0	75.3	75.0	79.0	72.2	1.3	1.3	5.8	5.6	79	79	2.1	2.0	7.5	5.5	100.4	—	—	—	Fair to fine. ☐ 21 h.
Mean Pressure at Station Level.	1007.3	1007.5																			

DOUGLAS, ISLE OF MAN, a.—MARCH 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

Long. 42° 26' W. Time, Local mean time, 20 m. after Greenwich.																			
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Fahrenheit.				Humidity.				Wind.		Cloud Amount and Weather.		Rain 24 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.					
1	1008.4	1001.7	77.2	78.6	79	76	0.8	0.6	7.1	8.5	88	92	135	4	157	4	8		☐ o. q. ● showers after 16 h.
2	996.3	1001.0	80.5	78.0	82	76	0.3	1.1	9.8	7.4	96	84	203	6	247	4	8		☐ o. q. ● showers.
3	1007.4	1014.2	75.2	74.1	78	73	1.1	1.1	6.1	5.4	82	79	293	3	45	2	4	☐ o. q. ● showers. Fine and frosty.	
4	1011.2	1011.5	74.4	74.7	77	72	1.4	0.6	5.1	6.1	76	90	45	3	360	1	6	☐ c. to o. * 22 h.	
5	1012.5	1014.5	75.8	76.3	80	73	1.1	0.6	6.1	7.1	83	91	23	1	360	2	4	☐ c. to o. * 22 h.	
6	1014.9	1010.1	79.1	79.1	81	75	1.1	0.2	7.8	9.1	84	97	247	4	225	3	7	☐ c. to o. * 10 h.-12 h.	
7	998.6	1002.4	80.8	76.3	82	76	0.0	0.2	10.5	7.4	100	96	247	3	62	10	10	☐ c. to o. * 10 h.-12 h.	
8	1008.1	1005.7	76.9	79.7	80	76	1.1	0.4	6.8	9.1	84	94	113	2	225	2	10	☐ c. to o. * 10 h.-12 h.	
9	1006.8	1009.1	79.4	77.7	82	77	1.0	0.3	8.1	8.1	86	96	293	2	—	0	8	☐ c. to o. * 10 h.-12 h.	
10	997.9	1000.3	80.8	79.8	82	77	0.0	1.0	10.5	8.5	100	86	203	6	247	3	10	☐ c. to o. * 10 h.-12 h.	
11	1003.4	1002.7	78.8	78.0	81	77	1.4	1.4	7.4	7.1	81	81	247	3	45	1	10	☐ c. to o. * 10 h.-12 h.	
12	1008.8	1015.2	76.9	75.5	79	75	1.7	1.4	6.1	5.8	77	78	23	5	337	3	10	☐ c. to o. * 10 h.-12 h.	
13	1014.2	1015.6	76.6	76.1	80	72	1.4	1.3	6.4	6.1	80	81	315	1	360	1	0	☐ c. to o. * 10 h.-12 h.	
14	1020.0	1019.6	77.6	74.7	80	74	1.8	1.2	6.4	5.4	74	79	360	2	315	1	0	☐ c. to o. * 10 h.-12 h.	
15	1026.1	1032.5	78.6	77.4	81	74	1.7	1.4	7.1	6.8	78	87	91	90	315	3	10	☐ c. to o. * 10 h.-12 h.	
16	1035.9	1037.6	76.1	78.1	81	73	0.8	0.7	6.8	7.8	87	91	90	1	315	3	10	☐ c. to o. * 10 h.-12 h.	
17	1038.9	1036.6	78.6	77.4	80	76	1.1	0.8	7.8	7.4	85	89	293	3	360	2	10	☐ c. to o. * 10 h.-12 h.	
18	1029.1	1020.0	77.4	75.8	79	75	0.6	0.3	7.8	7.1	92	96	157	1	135	4	10	☐ c. to o. * 10 h.-12 h.	
19	1002.4	998.6	77.2	76.9	79	76	0.2	0.6	8.1	7.4	98	92	135	6	293	2	10	☐ c. to o. * 10 h.-12 h.	
20	1001.0	1004.7	75.8	75.2	80	75	0.6	1.3	6.8	5.8	91	79	90	5	67	5	10	☐ c. to o. * 10 h.-12 h.	
21	1009.5	1008.1	75.2	74.0	77	74	0.6	0.2	6.4	6.4	91	97	90	5	113	3	7	☐ c. to o. * 10 h.-12 h.	
22	1009.5	1009.1	75.2	73.0	77	72	1.8	1.1	5.1	4.7	72	75	67	2	45	1	6	☐ c. to o. * 10 h.-12 h.	
23	1006.1	1005.1	75.8	76.3	77	73	2.2	1.5	5.1	6.1	68	77	45	1	23	1	3	☐ c. to o. * 10 h.-12 h.	
24	1008.1	1014.5	76.3	75.8	79	73	1.7	2.2	5.8	5.1	75	68	45	3	90	3	3	☐ c. to o. * 10 h.-12 h.	
25	1017.9	1017.6	76.9	74.7	78	74	3.3	1.9	4.7	4.7	75	68	67	3	113	2	4	☐ c. to o. * 10 h.-12 h.	
26	1013.2	1002.4	75.8	76.3	79	73	1.7	0.1	5.8	5.8	75	98	203	2	225	6	8	☐ c. to o. * 10 h.-12 h.	
27	989.1	996.6	78.0	76.3	80	76	1.6	1.7	6.8	5.8	78	75	293	8	315	10	6	☐ c. to o. * 10 h.-12 h.	
28	1006.4	1006.4	75.2	74.4	79	74	0.1	1.5	7.1	5.1	98	75	315	8	293	2	6	☐ c. to o. * 10 h.-12 h.	
29	1004.4	1004.0	74.7	73.0	77	71	2.2	0.6	4.4	5.4	65	87	337	4	293	4	3	☐ c. to o. * 10 h.-12 h.	
30	1000.3	1003.0	75.5	75.5	79	71	0.3	0.8	5.4	6.4	93	87	293	5	293	4	3	☐ c. to o. * 10 h.-12 h.	
31	1003.7	1003.4	76.3	75.8	80	74	1.1	1.1	6.4	6.1	83	83	360	2	360	2	4	☐ c. to o. * 10 h.-12 h.	
Mean	1010.0	1010.4	76.9	76.3	79.6	74.3	1.2	0.9	6.9	6.7	83	85	3.4	2.7	6.7	6.2	120.0	4.39	72.2
Mean Pressure at Station Level.	999.3	999.7	x denotes the maximum and n the minimum value in the column.																
Temperatures of air taken at 9 h. and 21 h.																			

ARMAGH, a.c.d.—MARCH 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	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.		Tenths of Sky covered.		mm.	hr.	a.						
1	1004.7	996.9	77.4	78.9	79	72	0.8	0.5	7.3	8.7	88	92	1.8	3	180	7	10	8	1.0	—	67	Dull. ☉.			
2	990.8	1000.3	81.2	75.6	82	75	2.0	1.2	8.1	6.0	75	82	202	10	225	2	4	10	1.0	—	2.9	78	a. to o. q.		
3	1009.1	1014.5	76.1	70.2	78	70	2.2	1.1	5.2	3.0	69	63	—	1	0	6	0	10	1.0	—	5.1	69	Fine, but cold.		
4	1011.8	1011.8	73.9	73.3	77	68	1.7	0.9	4.5	5.1	70	81	—	0	1	5	10	10	1.0	—	3.4	62	Fine, dry, and frosty.		
5	1013.9	1016.2	73.2	73.9	82	69	0.6	0.7	5.4	5.6	88	86	—	1	1	8	0	10	1.0	—	4.2	64	Fine, but cold.		
6	1013.9	1008.1	76.7	78.6	82	73	0.4	0.1	7.4	8.9	94	98	225	6	1	9	10	10	1.0	—	6.0	69	Dull, with ☉.		
7	996.9	1003.7	80.7	76.3	83	76	0.4	0.3	9.8	7.3	95	96	225	4	68	3	10	10	1.0	—	0.5	64	Dull, with ☉.		
8	1006.4	1003.7	77.9	80.3	82	75	0.6	0.2	8.0	9.8	92	97	158	2	202	3	10	10	1.0	—	1.8	—	78	Dull, with ☉.	
9	1007.8	1007.8	78.8	77.9	82	77	0.8	0.9	8.1	7.4	88	87	248	2	248	2	10	10	1.0	—	0.5	—	75	Cold and damp. ☉ after.	
10	993.5	999.3	83.4	78.4	85	77	0.4	1.6	11.9	7.0	94	79	202	9	248	4	10	10	1.0	—	4.6	1.8	75	c. ☉ 17 h. Fine n.	
																					0.8	0.2	76	c. ☉	
11	1002.4	1004.0	77.4	76.7	81	76	1.4	0.6	6.7	7.3	80	92	225	4	—	0	10	10	—	—	0.7	75	—	75	Dull and cold. ☉ 11 h. 13 h.
12	1012.2	1017.9	77.8	72.6	80	72	1.8	1.2	6.4	4.3	75	71	23	3	—	0	4	0	—	—	6.4	74	—	74	Fine and frosty.
13	1014.5	1018.3	75.7	73.2	80	69	1.7	0.6	5.5	5.4	76	87	—	0	—	1	0	0	—	—	9.9	64	—	74	Fine and frosty.
14	1022.0	1019.3	75.9	76.2	83	70	1.2	1.8	6.1	5.6	82	73	45	2	—	0	1	0	—	—	7.8	65	—	65	Fine.
15	1028.1	1033.2	77.9	74.1	84	71	2.0	0.5	6.3	6.0	73	90	—	1	—	1	3	1	—	—	8.2	66	—	66	Very fine. ☉ 22 h.
16	1035.2	1039.9	79.2	76.5	83	72	0.6	0.9	8.7	6.7	92	86	202	2	—	1	10	8	0.5	1.0	69	—	69	o. Occasional ☉ showers.	
17	1041.3	1037.6	77.0	77.9	83	73	0.7	1.3	7.2	7.1	89	82	—	1	—	1	10	10	6.3	1.8	68	—	68	c. ☉ all day.	
18	1026.1	1014.5	76.3	81.8	82	75	0.2	0.1	7.4	11.2	96	99	180	2	202	3	10	10	2.5	1.0	80	—	80	☉.	
19	997.3	998.6	79.5	75.7	82	75	0.3	0.7	9.2	6.5	96	90	180	6	270	3	10	10	1.3	—	75	—	71	Cold. ☉. * showers.	
20	1002.0	1005.4	75.0	74.3	78	73	0.1	0.8	7.0	5.7	100	85	—	1	45	4	10	5	—	—	1.3	—	—	71	☉.
21	1007.1	1009.1	74.3	72.7	77	72	0.6	0.6	6.1	5.2	89	86	45	3	68	2	6	2	—	—	1.5	71	—	71	Very cold. * showers.
22	1009.8	1009.1	75.2	71.3	77	70	2.1	0.4	4.9	4.6	68	86	68	2	—	0	3	0	0.3	—	5.8	66	—	66	Fine and frosty.
23	1006.4	1005.4	74.6	73.7	77	68	1.7	1.0	4.8	5.2	71	81	—	0	—	1	1	10	10	0.3	5.4	63	—	63	Fine. ☉ showers 21 h. 22 h.
24	1005.4	1014.5	76.0	72.4	79	70	1.8	0.7	5.5	4.7	73	80	—	0	—	1	3	3	—	—	5.6	63	—	63	Fine and frosty.
25	1017.9	1017.3	76.2	71.8	79	70	2.2	0.8	5.3	4.3	69	76	—	0	—	1	0	0	0.5	6.8	65	—	65	Clear and frosty.	
26	1010.8	996.9	73.9	79.8	80	70	0.3	0.5	6.1	9.1	93	93	225	6	225	7	10	10	8.6	—	65	—	65	o., with *.	
27	994.9	1004.7	75.6	74.1	80	74	0.6	0.7	6.7	5.9	91	87	293	5	238	5	5	10	1.5	5.7	73	—	73	Violent. *.	
28	1009.8	1007.4	75.7	73.6	79	72	1.1	0.7	6.2	5.5	84	86	315	3	—	0	3	10	1.0	5.0	68	—	68	* n. Fine a. * showers.	
29	1007.1	1006.4	75.6	70.9	79	69	1.8	0.3	5.4	4.7	73	90	315	2	338	2	0	1	0.3	8.4	n. 62	—	62	☉. Frequent * showers.	
30	1003.4	1005.7	73.8	72.9	80	71	1.2	0.3	5.1	5.7	78	94	270	2	315	3	10	6	0.3	5.6	65	—	65	* showers.	
31	1006.1	1006.1	77.0	74.0	81	71	1.2	0.6	6.6	5.9	84	89	—	1	315	2	3	10	2.8	7.5	69	—	69	* showers a. Fine. * n.	
Mean	1010.0	1010.8	76.7	75.2	80.6	72.2	1.1	0.7	6.7	6.3	83	86	2.7	2.0	6.1	6.1	6.1	6.1	61.8	3.61	69.4				
Mean Pressure at Station Level.	1002.1	1002.9																							

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—MARCH 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.								
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	%	9 h.	21 h.	Tenths of Sky covered.	mm.												
1	1004.4	1000.0	77.7	80.2	81	71	0.7	0.7	7.8	9.1	90	90	—	0				12	5	o.					
2	994.2	1001.3	81.7	77.5	85	77	1.6	0.6	9.1	7.8	81	91	—	0		8		10	c.						
3	1009.1	1012.8	73.3	72.4	80	70	0.9	0.9	5.1	4.4	82	75	—	0	0	2	☉ a. Fine.								
4	1009.8	1009.5	75.7	74.8	76	71	1.1	0.2	6.1	6.8	83	97	45	3	—	0	10	☉ a. and p. o.							
5	1012.2	1016.2	74.7	75.2	81	72	0.7	0.4	6.1	6.8	88	94	—	0	0	9	Fine.								
6	1016.6	1009.5	78.7	80.6	84	72	0.7	0.4	8.1	9.8	90	95	—	0	225	7	7	9	☉ a. and p. c.						
7	998.6	1003.0	81.2	79.2	84	79	0.3	0.3	10.5	9.1	95	95	225	2	—	0	10	8	9	☉ a. and p. c.					
8	1007.1	1004.7	78.4	81.3	82	75	0.4	0.7	8.5	9.8	94	92	—	0	0	0	9	9	10	c. ☉ p.					
9	1008.1	1008.1	80.3	78.5	82	77	1.5	0.8	8.1	8.1	82	90	—	0	0	0	8	10	10	c. ☉ p.					
10	995.9	1001.7	85.2	79.7	87	78	0.3	1.1	13.5	8.1	97	84	225	7	—	0	9	9	10	☉ a. c.					
11	1003.7	1003.0	79.4	77.9	82	77	1.2	0.7	8.1	7.8	84	90	—	0	—	0	10	10	2	2.9	0.6	76	* a. c.		
12	1010.1	1017.6	77.6	71.2	80	70	0.8	0.2	7.4	5.1	89	93	45	5	—	0	9	2	—	—	3.3	75	* a. c.		
13	1012.8	1017.3	75.9	72.0	79	69	0.7	0.1	6.8	5.4	89	97	—	0	0	0	10	0	—	—	0.2	76	c.		
14	1022.3	1018.9	75.6	72.6	82	70	1.1	0.1	6.1	5.8	83	97	—	0	0	0	8	0	—	0.1	7.0	70	65	Fine.	
15	1027.4	1032.8	78.0	73.0	81	72	1.4	0.1	7.1	6.1	81	99	—	0	0	0	0	—	—	—	5.3	70	65	Fine.	
16	1035.5	1039.3	80.8	72.9	85	71	1.7	0.1	8.1	6.1	78	98	—	0	0	0	3	0	—	—	2.3	67	67	c.	
17	1039.3	1036.9	77.8	78.0	83	71	0.8	0.7	7.4	7.8	89	90	—	0	0	0	5	10	—	5.6	1.6	67	67	* a. c.	
18	1026.7	1015.2	77.2	82.4	83	76	0.2	0.3	8.1	11.5	98	97	—	0	0	0	10	10	12.1	—	—	72	72	* a. c. with *.	
19	997.6	1000.3	82.9	74.8	83	75	0.6	0.3	11.2	6.4	93	94	225	5	—	0	10	10	0	0	2.1	77	77	* a. and p. c. with *.	
20	1000.0	1002.4	75.3	76.3	78	72	0.2	1.2	7.1	6.4	96	81	—	0	45	4	10	10	10.1	—	—	71	71	* early. o., with *.	
21	1003.7	1006.8	74.7	74.4	77	74	0.1	1.2	6.8	5.4	98	80	45	10	—	0	10	3	1.2	0.6	73	73	73	* a. c. with *	
22	1008.4	1007.4	74.7	74.7	77	73	0.8	1.2	6.1	5.4	86	79	45	5	—	0	8	3	0.4	5.7	69	69	69	* a. and p. Fine.	
23	1005.1	1004.0	74.6	75.3	76	72	0.7	1.9	6.1	5.1	89	71	—	0	0	0	10	10	0.1	0.6	71	71	71	* a. and p. c.	
24	1007.4	1013.2	75.6	73.0	78	73	1.4	0.4	5.8	5.4	78	89	360	10	—	0	10	0	0.6	5.5	71	71	71	* a. and p. c.	
25	1016.9	1016.9	75.3	75.0	78	72	1.4	0.1	5.8	5.8	78	82	45	5	—	0	6	10	0.1	5.0	67	67	67	* a. c. Fine.	
26	1012.8	1001.3	76.7	79.9	81	69	1.9	0.2	5.8	9.5	74	97	225	5	225	8	10	10	3.0	1.4	75	75	75	c.	
27	997.3	1005.4	78.3	74.7	81	74	1.4	0.7	7.1	6.1	80	88	360	7	315	6	8	0	2.3	7.0	63	63	63	* a. and p. Fine.	
28	1011.2	1006.4	76.8	73.1	80	72	1.3	0.1	6.4	6.1	81	98	225	5	—	0	8	10	2.8	4.6	69	69	69	Fine.	
29	1008.1	1006.8	74.2	71.9	78	68	1.0	0.4	5.4	5.1	81	86	—	0	0	0	0	0	0.6	7.4	67	67	67	☉. ☉. Fine.	
30	1004.7	1006.4	74.0	74.1	80	69	1.0	0.6	5.4	6.1	81	89	315	5	—	0	7	0	1.9	6.5	66	66	66	Fine.	
31	1006.1	1006.1	74.8	73.8	81	71	0.6	0.2	6.4	6.1	90	96	315	5	—	0	7	0	0.5	7.3	70	70	70	Fine.	
Mean	1010.1	1010.7	77.3	75.8	80.8	72.7	0.9	0.6	7.3	6.9	86	90	—	3.0	1.0	7.4	5.4	—	63.7	3.16	70.6	—	—	—	—
Mean Pressure at Station Level.	1004.0	1004.6																							

☉ denotes the maximum and ☉ the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON.

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

METEOROLOGICAL OFFICE, LONDON.
May 9th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—APRIL 1919.

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.

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.

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

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

Heights above Mean Sea Level * :—Rain-gauge Site, $H = 62.2$ m.; Barometer, $H_b = 63.7$ m. Heights above Ground :—Therm., $h_t = 1.2$ 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 h. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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+	°	°					°	°	°	°			200+				
1	1007.8	1018.6	76.6	74.5	81	72	0.6	0.3	7.1	6.5	91	95	—	1	—	1	5	0	0.3	6.8	71	☐ Fine.	
2	1022.0	1020.3	77.4	78.8	85	70	1.1	1.1	7.7	7.7	85	85	23	2	—	1	2	0	0.8	7.8	66	☐ Fine and mild.	
3	1019.6	1022.0	80.4	79.2	85	77	0.6	0.7	9.3	8.6	92	90	—	1	360	2	10	9	0.5	1.2	77	☐ Dull and mild. ☐ shower 15	
4	1024.7	1023.7	81.8	81.5	86	78	1.4	0.6	9.2	10.1	83	92	—	0	270	2	9	9	—	0.7	77	☐ c. and mild.	
5	1018.9	1017.3	81.4	82.2	86	80	1.3	0.5	9.0	10.8	83	93	248	3	270	3	10	10	0.5	1.4	79	☐ c. drizzling ☐.	
6	1015.6	1012.2	81.9	81.8	85	80	1.4	0.8	9.2	10.0	82	90	225	5	225	3	5	8	—	1.1	79	☐ c.	
7	1006.4	1002.0	82.3	80.2	86	80	0.6	0.5	10.8	9.3	93	93	202	6	248	2	10	10	0.3	0.1	80	☐ ≡ and drizzling ☐. o.	
8	1000.0	1001.3	80.7	76.9	85	76	1.7	0.6	8.2	7.4	79	82	225	3	270	3	2	5	0.8	8.9	74	☐ Fine. T▲ 18 h.	
9	1005.7	1008.1	79.2	75.7	84	75	1.7	0.8	7.3	6.4	78	88	225	2	225	2	1	5	0.8	10.3	72	☐ Fine.	
10	1004.4	1008.1	83.3	84.1	87	76	0.1	0.8	12.3	11.8	99	90	225	5	225	5	10	10	0.3	—	72	☐ Drizzling ☐. o. ≡.	
11	1004.7	1010.1	84.6	81.6	88	81	0.4	1.7	12.9	8.8	95	80	202	9	225	4	10	10	2.8	5.3	83	☐ ≡. ☐ showers afternoon.	
12	1009.8	1009.1	80.4	77.6	84	77	1.1	1.1	8.8	7.1	87	84	225	3	225	3	4	8	0.8	7.3	77	☐ Frequent ☐ showers. T▲ 13	
13	1003.0	995.2	78.8	76.2	83	75	1.6	0.5	7.3	7.1	79	93	225	6	—	1	3	4	3.8	7.2	73	☐ Clear and cold. ☐. T▲ 19 h	
14	974.2	970.9	81.3	78.7	84	76	1.8	0.2	8.4	8.9	79	97	225	4	—	1	6	10	2.3	6.1	74	☐ Fine. ☐ showers.	
15	984.4	999.6	79.6	77.8	84	77	1.2	1.2	8.1	7.1	84	83	338	6	338	4	10	3	0.5	2.5	77	☐ o. to fine. ☐ showers.	
16	1012.8	1021.3	82.3	79.9	86	77	2.8	1.2	7.9	8.2	67	83	338	5	293	3	5	8	1.3	9.6	72	☐ q., with ☐ showers, then fine.	
17	1020.3	1023.7	82.9	83.6	88	79	0.3	0.8	11.7	11.4	96	90	225	5	225	4	10	10	—	0.7	77	☐.	
18	1027.4	1030.5	84.7	85.0	88	82	1.1	0.8	11.7	12.5	86	90	225	4	225	2	10	10	—	0.5	82	☐.	
19	1032.2	1036.9	86.2	78.1	88	78	1.7	1.0	12.2	7.4	80	85	225	3	360	2	7	0	—	1.3	82	☐.	
20	1040.6	1040.6	80.9	77.7	84	75	2.4	1.3	7.4	7.0	71	82	90	4	113	2	2	0	—	13.2	70	☐ Clear and cool.	
21	1039.3	1036.9	83.2	81.0	87	72	2.2	2.2	9.1	7.8	74	74	180	4	180	3	0	2	—	11.2	68	☐ Fine and clear.	
22	1034.2	1031.5	84.1	79.6	80	77	2.3	0.8	9.6	8.6	73	88	202	2	—	1	2	0	—	13.3	75	☐ Very fine.	
23	1030.8	1023.7	83.6	80.3	87	79	2.2	0.9	9.5	8.7	74	87	—	1	360	2	6	9	0.3	2.1	75	☐ o. to c.	
24	1020.3	1022.7	80.6	78.9	86	77	1.0	0.9	9.0	8.1	87	87	360	2	360	2	9	3	0.8	7.9	76	☐ ☐ showers. Fine.	
25	1016.2	1010.8	80.1	80.0	85	77	0.7	0.8	9.0	8.9	90	90	270	2	248	3	10	9	1.3	3.2	74	☐ c., with ☐ showers. Cold.	
26	1016.2	1016.9	79.2	76.5	84	76	1.7	0.4	7.2	7.3	77	94	360	3	315	2	4	3	4	1.3	81	75.	
27	1012.5	1017.3	78.8	73.8	79	72	2.3	1.8	6.4	4.4	70	68	338	5	360	5	8	×	2	10.2	73	☐ Violent × squalls all day.	
28	1016.9	1023.7	79.4	75.4	82	73	2.7	1.4	6.3	5.7	66	79	360	8	360	3	6	2	—	4.7	70	☐.	
29	1024.4	1020.6	78.8	79.8	84	71	2.4	0.2	6.4	9.6	69	98	360	2	315	2	9	9	0.9	1.3	2.7	76	☐.
30	1015.6	1010.5	84.6	82.8	88	79	1.5	0.3	11.1	11.6	92	96	315	2	225	4	9	10	2.8	2.5	76	☐ Dull. ☐ n.	
Mean	1015.3	1016.2	81.3	79.3	85.2	76.6	1.5	0.9	9.0	8.5	82	88		3.6	2.6		6.5		30.9	5.27	74.7		
Mean Press-ure at Station Level.	1007.5	1008.3																					

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHŒNIX PARK), a.c.—APRIL 1919.

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.

[illegible]

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

METEOROLOGICAL OFFICE, LONDON,
June 21st, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919. [Price Sixpence.]

DEERNESS, ORKNEY, a.b.c.—MAY 1919.

DEERNESS, ORKNEY, a.b.c.—MAY 1919.
 Heights above Mean Sea Level:—Rain-gauge Site, $H = 48.8$ m.; Barometer, $H_0 = 50.3$ m. Heights above Ground:—Therms., $h_t = 1.2$ 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.

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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.	$a.$	
1	996.4	988.6	200+	200+	200+	200+	1.4	0.1	7.8	7.2	81	98	203	10	225	8	9	200+	* (sleet) showers. ☙	
2	998.0	994.4	79.4	75.7	81	75	0.3	0.6	7.3	7.0	96	91	270	6	225	3	10	0.4	* early. Day fine.	
3	998.8	1005.6	77.3	78.3	81	75	1.1	0.3	7.1	8.6	85	96	247	6	169	5	7	0.6	Day fine. * 19 h.-20 h.	
4	1010.6	1010.6	81.1	80.0	82	76	1.1	0.0	9.1	10.0	86	100	124	8	146	3	2	10=	Fine $a. = 0$. = 17 h.-23 h.	
5	1016.4	1018.4	81.3	80.1	82	80	0.6	0.7	10.0	9.1	93	91	146	9	124	13	9	10=	Much = 0. =	
6	1018.8	1026.2	80.4	79.6	81	79	0.4	0.8	9.7	8.7	95	89	124	15	124	13	10=0	9=0	= 0 all day. ☙ ☙	
7	1030.6	1032.0	80.3	79.2	81	79	0.8	0.4	9.0	8.9	88	93	113	12	113	7	9=0	9=0	Much = 0. ☙	
8	1029.6	1026.2	80.6	79.2	81	79	0.6	0.3	9.6	9.0	93	96	79	5	101	4	9=0	10=0	= 0. • ☙	
9	1022.2	1020.5	80.0	79.4	81	78	0.0	0.0	10.0	9.6	100	100	113	4	124	4	10=0	9=0	Mostly = 0.	
10	1017.4	1015.4	81.9	80.6	84	79	1.2	0.6	9.6	9.6	84	93	113	5	135	6	8=0	2	Fine. ☙ = 0	
11	1014.7	1010.3	83.4	81.4	84	80	1.4	0.3	10.5	10.6	83	96	135	7	124	11	0	10	0.7	Very fine.
12	1015.4	1016.4	81.8	82.2	86	80	1.7	0.3	10.3	11.1	80	97	169	4	135	7	2	10=0	—	Very fine.
13	1019.1	1023.5	85.0	82.1	88	x 81	1.3	0.4	11.7	10.9	84	95	180	6	23	3	7	4	—	Fine. = 0. ∞
14	1022.2	1020.5	82.7	82.5	85	80	0.6	0.3	11.0	11.4	92	96	135	6	135	8	9=0	7	—	Dull early. Fine. = 22 h.
15	1018.8	1018.1	83.3	81.6	85	80	0.0	0.2	12.5	10.7	100	97	135	10	135	7	4	3	—	= to 8 h., then fine.
16	1018.8	1016.7	83.4	81.6	85	80	0.8	0.2	11.3	10.7	89	97	135	8	135	11	1	1	—	Very fine.
17	1017.4	1017.8	85.1	81.1	85	x 81	1.9	0.3	10.9	10.4	77	97	135	8	135	11	1	10=0	—	Day fine. Evening dull.
18	1018.8	1022.2	82.2	79.9	85	80	0.2	0.0	11.4	9.9	98	100	135	14	140	9	9=0	10=0	—	Fine, with ∞.
19	1024.5	1025.2	82.4	80.0	84	80	0.1	0.0	11.6	10.0	99	100	146	10	135	9	10=0	1	—	Fine, after 9 h. ☙
20	1025.5	1024.5	82.5	80.6	83	79	1.4	0.2	9.7	10.0	82	97	146	8	135	11	3	4	—	Very fine.
21	1023.5	1023.5	83.6	81.6	85	80	1.9	0.4	9.8	11.0	77	99	146	12	146	8	2	8	—	Fine. ∞ ⁰
22	1024.5	1025.2	83.4	81.6	85	x 81	1.1	0.4	10.8	10.5	87	94	146	6	146	5	7	4	—	Fine. ☙ = 0
23	1024.2	1024.2	83.2	83.6	86	x 81	1.0	1.6	10.8	10.2	88	81	146	6	23	2	10=0	10=0	—	Red dawn. ☙. Fine to = 0.
24	1022.8	1021.5	87.7	82.2	88	x 81	2.7	1.1	12.0	9.9	72	86	225	5	—	1	8	9=0	—	☙. Mostly dull.
25	1020.5	1021.8	85.1	82.4	87	80	2.6	0.6	9.9	10.8	71	93	236	4	259	2	8	10=0	—	Much low =.
26	1020.6	1028.2	84.7	82.4	85	80	2.6	0.6	9.7	10.9	71	93	259	4	146	3	7	10	—	Fine day. ☙
27	1025.9	1023.8	86.1	86.1	x 91	x 81	0.8	3.1	13.5	10.2	90	168	169	3	191	3	8	7	—	Fine.
28	1023.2	1024.5	83.9	80.8	88	x 81	0.4	0.8	12.2	9.3	95	89	270	4	—	1	10=0	10	—	= early. = 0. Very dull.
29	1023.2	1020.8	82.5	81.7	84	80	1.8	0.6	9.2	10.4	77	93	135	4	146	6	9	10	—	Very cloudy day.
30	1018.1	1019.1	84.2	82.1	89	80	0.1	0.2	13.0	11.3	98	98	169	2	326	2	10=	10=	—	Fine day. = 2 evening.
31	1020.1	1021.5	83.4	81.6	86	x 81	0.7	0.6	11.5	10.3	91	93	304	4	360	2	10	10	—	= early. Dull.
Mean	1018.6	1018.9	82.6	80.9	84.5	79.4	1.1	0.5	10.4	9.9	87	94	6.9	6.0	6.8	7.7	14.2	6.12		
	1012.4	1012.7																		

ABERDEEN, a.c.e.—MAY 1919.

ABERDEEN, a.c.e.—MAY 1919.
 Heights above Mean Sea Level:—Rain-gauge Site, $H = 14.0$ m.; Barometer, $H_b = 26.8$ m. Heights above Ground:—Therms., $h_t = 12.5$ 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.

1	1000.3	992.5	81.6	78.8	85	77	2.9	2.2	7.3	6.5	66	71	225	3	285	3	1	5	0.3	10.3	71	Fine to fair.	D	early.		
2	993.8	996.4	79.6	79.3	83	75	4.0	2.8	5.2	6.2	54	65	270	6	255	2	4	4	0.1	9.5	72	Fine to c.	⊕	early.		
3	1001.0	1006.7	80.5	79.0	83	75	4.0	1.1	5.7	7.9	55	85	270	3	—	0	1	4	2.0	9.5	n 68	Fair to c. with ▲°.	T	p.		
4	1012.3	1012.3	81.7	82.4	83	n 74	1.9	0.7	8.5	10.6	76	90	150	5	180	4	2	10.0	—	3.8	n 68	Fine to dull.	—	—		
5	1017.6	1018.0	82.4	80.2	83	79	1.4	0.1	10.1	9.1	86	60	165	2	135	5	10.0	1.0	—	—	—	77	Dull. ° p.			
6	1018.9	1025.8	80.4	80.7	83	79	1.4	0.1	9.6	8.3	84	85	150	6	135	6	10.0	9	—	—	—	79	Dull and ≡°.	° p.		
7	1028.9	1029.7	79.4	79.7	81	79	0.4	0.7	8.8	8.8	89	97	120	6	105	4	10.0	10.0	0.5	—	—	74	Dull. ≡° a.	° n.		
8	1027.4	1024.9	79.4	78.6	n 80	79	0.8	0.2	8.5	8.8	91	75	4	120	3	10.0	10.0	—	2.7	—	—	78	Dull, with ≡°.	—		
9	1022.1	1027.1	79.4	78.3	n 80	78	0.6	0.6	8.8	8.1	92	91	75	4	120	3	10.0	10.0	—	—	—	76	≡ to fine a.	Dull p.		
10	1016.5	1015.0	79.2	79.7	81	78	0.5	0.3	8.7	9.3	93	95	—	0	—	1	10.0	—	—	—	—	2.4	76	Dull to fine.	D	early.
11	1014.3	1011.3	82.8	84.1	85	79	1.0	0.6	9.4	9.5	86	92	60	3	—	1	8	0	—	11.6	75	Fine to fair.	D	early.		
12	1016.7	1017.9	84.2	82.6	88	82	1.6	1.0	10.3	11.4	85	87	120	3	210	3	1	10	2.6	7.8	74	Fine to fair.	T	° n.		
13	1020.7	1022.6	86.9	87.4	91	83	2.0	2.7	12.3	11.6	78	81	165	3	195	3	7.00	1	—	3.8	77	Dull to c.	—	—		
14	1022.6	1020.5	84.5	83.0	87	81	1.3	0.3	11.3	11.7	84	96	120	3	—	1	10.0	8.0	—	8.6	80	a. to fine.	—	—		
15	1019.0	1018.8	83.4	81.4	87	81	1.1	0.5	10.8	10.2	86	93	120	3	—	1	7	0	—	5.4	74	∞ a. to fine. ≡ later.	—	—		
16	1017.7	1017.7	84.4	83.0	87	80	1.9	1.4	10.3	10.0	77	82	135	3	150	3	0	0	—	8.3	84	c. with ≡ to fine.	—	—		
17	1018.9	1017.3	85.6	81.8	86	81	3.1	0.8	9.7	10.1	67	89	135	5	135	7	0	10.0	—	13.4	74	Very fine.	D	early.		
18	1018.9	1022.8	82.2	80.3	82	80	1.8	1.2	8.9	8.6	77	84	150	6	165	3	10	2	—	7.5	74	Fine to dull.	—	—		
19	1025.3	1026.5	82.8	80.6	84	80	2.0	0.9	9.2	9.1	76	87	165	3	165	2	7	0	—	—	79	Dull to fair.	—	—		
20	1020.8	1025.4	82.7	81.6	84	80	2.3	1.0	8.6	9.7	72	87	150	6	165	3	7	1.00	—	10.1	77	Dull to fine.	—	—		
21	1024.8	1024.3	84.0	83.0	85	81	2.6	1.7	9.1	9.6	70	79	150	8	165	2	1	8.00	—	7.5	77	Fine to c.	⊕	q.		
22	1025.7	1026.3	85.3	83.2	88	81	2.4	1.3	10.4	10.3	73	84	165	3	150	2	4	4.00	—	8.8	76	Fine to c.	⊕	q.		
23	1025.7	1024.7	85.8	87.2	90	82	2.4	3.0	10.8	10.9	73	68	165	2	195	2	4.00	7.00	—	7.8	76	Fine to c.	⊕	q.		
24	1023.8	1024.7	80.3	84.6	n 93	84	3.6	1.1	11.7	11.7	64	86	165	4	360	2	5.00	8	1.7	5.9	86	c. to fair.	T	° p.		
25	1024.3	1025.4	85.4	83.7	87	83	2.2	1.6	10.7	10.4	75	80	30	3	150	2	8	9	2.6	4.9	82	Dull to fair.	° a.	—		
26	1026.6	1028.1	86.3	83.0	87	82	3.1	0.4	10.2	11.6	67	95	105	3	—	1	4	0.0	—	11.3	78	c. to fine.	≡	—		
27	1026.5	1023.9	87.7	86.2	91	80	3.1	3.2	11.3	9.9	68	66	180	3	165	2	0.0	2.00	—	13.4	75	Fine.	D	≡ a.	≡ n.	
28	1023.0	1024.0	87.4	84.1	91	83	2.3	0.9	12.2	11.7	75	80	75	3	—	1	1	10	—	5.6	78	Fine to dull.	≡	—		
29	1023.4	1020.9	82.5	83.5	85	82	0.2	0.9	11.5	11.1	97	88	120	3	165	3	10.0	10.0	0.5	—	8.1	82	Fair to fine.	≡	—	
30	1019.0	1017.9	86.1	82.8	87	81	1.6	0.7	12.1	11.0	81	91	180	2	—	1	0.0	0.0	—	—	—	82	Dull.	≡°.	° a.	
31	1019.7	1021.1	81.0	81.0	84	80	0.3	0.1	10.2	10.6	96	99	60	3	—	0	10.0	10.0	—	0.6	78	Dull to c.	≡	—		
Mean	1019.4	1019.4	81.4	81.4	84.4	80.4	2.4	1.4	10.4	10.4	78	83	3.7	2.4	5.3	5.9	15.0	6.35	76.6							

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 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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.						°		Tenths of Sky covered.		mm.	hr.	a.	
1	1001.0	994.2	200+	200+	200+	200+	1.1	1.7	8.2	6.4	84	76	225	3	270	3	10	10	200+	Dull and showery.
2	995.2	997.3	77.7	77.4	82	77	1.4	1.5	6.6	6.5	80	78	225	3	225	3	10	10	—	••• (sleet) showers. *
3	1001.3	1006.4	79.6	76.5	85	74	1.1	1.3	8.3	6.3	85	81	270	3	225	2	7	1	—	Showery. Sunny intervals.
4	1005.4	1008.1	81.7	83.6	84	74	2.9	0.6	7.3	11.8	65	93	180	3	—	0	10	10	—	Dull. ••• showers.
5	1012.8	1010.5	86.3	87.4	91	82	4.3	4.3	8.8	9.5	57	58	225	3	180	2	10	10	—	g. ••• showers a.
6	1013.2	1021.7	85.8	81.0	89	81	5.2	0.6	7.3	9.9	50	93	180	4	—	0	7	10	—	Fair to fine. ••• showers.
7	1025.7	1026.7	82.9	81.3	87	80	3.8	2.8	7.1	7.2	59	67	135	4	—	0	8	10	—	Fair to fine generally.
8	1026.1	1023.0	80.8	80.2	84	79	1.8	1.7	8.1	7.9	77	78	45	1	45	2	10	9	—	Fair to fine generally.
9	1020.6	1016.2	82.0	84.1	90	76	2.3	2.2	8.1	9.7	72	74	—	0	—	0	7	10	—	Fine and sunny. ∞
10	1012.5	1009.8	87.1	90.3	95	81	3.9	5.1	9.7	10.6	61	54	45	3	—	0	2	6	—	Very fine and bright.
11	1010.1	1008.8	90.4	83.4	93	83	4.1	1.4	12.2	10.4	62	83	180	3	225	3	7	7	29.1	Dull till 16 h., then •••
12	1014.5	1014.2	85.2	86.3	88	81	1.2	1.2	12.1	13.1	85	86	225	3	225	1	10	10	0.5	Dull. ••• showers.
13	1019.3	1020.6	84.7	85.7	91	84	0.8	2.7	12.3	10.3	90	70	225	1	—	0	10	7	—	Fair generally. Sunny spells.
14	1017.3	1014.9	91.9	91.3	96	83	5.3	4.9	11.7	11.6	54	55	—	0	180	4	9	1	—	Very fine and sunny. ∞
15	1013.9	1013.5	93.0	90.6	98	86	6.0	4.8	11.6	11.2	50	56	—	0	180	1	7	6	—	Fine and bright.
16	1014.9	1014.9	92.3	84.3	94	84	4.8	1.3	12.6	11.2	57	84	—	0	225	1	2	2	—	Sunny. ∞
17	1012.5	1012.2	88.0	85.1	92	83	3.0	2.1	11.6	10.6	69	76	—	0	—	0	8	10	—	Dull. ••• showers.
18	1014.5	1018.6	87.0	85.2	88	84	3.4	2.8	10.3	9.8	64	69	180	1	180	4	10	8	1.3	Fine generally. Some showers.
19	1022.3	1022.0	85.8	85.1	91	79	3.3	4.3	9.5	7.9	65	56	—	0	180	2	2	0	—	Very fine, clear, and sunny.
20	1022.3	1020.3	86.9	88.0	93	78	5.0	4.0	8.2	10.3	53	60	—	0	135	2	8	10	—	Fine and sunny. Dull evening.
21	1019.6	1020.3	85.7	85.8	90	85	2.7	2.6	10.3	10.5	71	72	—	0	—	0	10	7	0.5	Dull. ••• showers.
22	1022.3	1023.7	90.2	85.1	92	84	4.1	2.2	12.0	10.5	62	75	—	0	—	0	7	0	—	Dull. ••• showers. Fine evening.
23	1023.7	1024.0	90.8	85.8	93	80	5.0	2.2	11.1	11.0	55	75	225	2	—	0	5	10	3.8	Fine, clear, and sunny. •••
24	1024.4	1025.4	84.6	82.4	87	82	0.4	1.1	12.7	10.1	94	86	225	2	—	0	10	2	0.3	d. ••• most of day.
25	1024.7	1024.7	86.3	83.6	90	80	2.2	1.8	11.5	9.9	75	79	270	2	—	0	8	1	—	Fine and sunny.
26	1026.7	1026.7	84.7	85.2	93	77	2.0	3.2	10.5	9.1	76	65	—	0	—	0	1	2	—	Very fine, clear, and sunny.
27	1026.4	1023.7	88.7	88.9	96	79	3.6	2.7	11.4	13.0	64	72	—	0	—	0	7	4	—	Very fine, clear, and sunny.
28	1023.3	1021.7	91.9	88.0	97	82	3.9	2.2	13.7	12.9	64	76	—	0	45	1	4	1	—	Very fine, clear, and sunny.
29	1020.6	1018.3	88.6	88.0	97	82	2.2	1.7	13.4	13.7	76	82	45	1	—	0	8	4	—	Very fine, clear, and sunny.
30	1018.3	1016.6	89.7	88.6	96	82	2.8	1.7	13.5	14.3	72	82	—	0	—	0	8	1	—	Very fine, clear, and sunny.
31	1017.9	1018.9	89.1	87.1	96	84	2.8	2.7	13.0	11.4	72	71	45	1	90	4	0	1	—	Very fine, clear, and sunny.
Mean	1016.9	1016.7	86.4	84.9	91.0	80.6	3.1	2.4	10.5	10.3	68	74	—	1.4	1.1	6.5	5.8	35.4	—	
Mean Pressure at Station Level.	1015.4	1015.2																		

DOUGLAS, ISLE OF MAN, a.—MAY 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

Time, Local mean time, 20 m. after Greenwich.																			
1	1007.1	998.3	81.1	79.7	85	80	1.4	0.3	8.8	9.5	82	96	293	4	270	1	8	c. and q. • after 18 h.	
2	1000.3	1002.0	79.7	78.6	83	77	2.1	0.7	6.8	8.1	73	90	270	2	225	1	6	Fine.	
3	1005.1	1008.1	80.2	80.5	84	77	1.7	0.3	7.8	9.8	78	96	270	2	203	1	7	Fine.	
4	1007.1	1013.5	81.6	81.3	83	80	0.0	0.6	11.2	10.2	100	93	180	2	180	2	10	• a. o.	
5	1013.9	1012.8	83.0	83.0	85	81	1.0	1.1	10.5	10.5	87	86	113	2	180	3	8	• showers afternoon.	
6	1017.6	1020.3	82.2	80.5	84	80	1.7	1.4	9.1	8.5	80	82	225	2	360	1	4	• a. Fine.	
7	1023.3	1024.4	81.3	80.8	85	80	2.2	1.1	7.8	9.1	73	86	67	2	67	2	8	• a. c. to bright.	
8	1023.3	1021.0	80.8	79.1	83	79	1.4	0.6	8.8	8.8	83	92	67	2	45	2	10	• a. o. to bright.	
9	1017.6	1012.8	83.3	86.1	90	79	1.9	3.1	9.5	10.2	77	67	67	3	67	5	4	• a. Fine, but q.	
10	1010.1	1010.8	86.9	83.6	91	84	3.3	0.6	10.2	11.9	65	93	67	2	225	2	8	c. to bright. o. p.	
11	1011.5	1013.5	84.4	80.8	85	81	1.1	0.0	11.5	10.5	87	100	113	3	225	2	8	c. to o., with • at times.	
12	1017.9	1020.3	81.9	82.4	83	81	0.2	0.0	11.2	11.9	98	100	90	1	225	2	10	• a. • at times.	
13	1022.3	1020.3	85.2	89.1	91	82	1.1	2.2	12.2	13.9	86	77	90	2	67	1	6	• a. Very fine.	
14	1017.6	1013.2	86.7	86.9	92	85	1.4	1.9	12.9	12.2	83	78	113	4	90	4	8	• q. Fine.	
15	1013.2	1015.9	87.7	82.7	89	82	1.9	0.3	13.2	11.5	78	96	90	3	157	2	7	• showers after 20 h.	
16	1016.9	1015.9	82.4	80.8	84	81	0.0	0.0	11.9	10.5	100	100	135	2	90	1	10	• a. c. to fine.	
17	1013.9	1013.5	83.6	82.4	86	81	0.8	0.6	11.5	10.8	90	93	157	2	180	3	10	• a. c. to o.	
18	1016.2	1020.0	82.4	83.0	87	82	0.0	0.6	11.9	11.2	100	93	157	2	67	2	10	• a. c. to o.	
19	1021.3	1021.0	83.0	83.0	88	81	1.1	1.1	10.5	10.5	86	96	4	113	5	3	4	• a. c. to o.	
20	1021.3	1021.3	84.1	84.4	86	81	1.7	0.8	10.5	11.9	80	89	90	3	203	1	7	• a. c. • showers afternoon.	
21	1020.6	1021.3	81.9	86.3	87	82	0.3	1.7	10.8	12.5	97	81	135	2	157	1	10	• a. with • showers.	
22	1022.7	1025.4	85.8	83.3	92	82	2.5	0.3	10.5	11.9	73	96	90	2	90	1	7	• a. and p. Fine.	
23	1026.7	1027.1	85.0	82.7	87	81	1.4	0.0	11.5	12.2	82	100	247	1	225	1	8	• a. and p. c. to fine.	
24	1027.1	1026.1	83.0	83.3	86	82	0.0	0.0	12.2	12.5	100	100	247	1	113	1	10	• a. o. • a. p.	
25	1024.4	1025.4	84.7	85.5	90	82	0.0	2.5	13.5	10.5	100	72	135	2	315	1	7	• early. Fine.	
26	1027.1	1027.7	86.6	85.2	90	81	1.9	2.1	12.2	10.8	78	76	113	2	315	1	7	• a. and p. Very fine.	
27	1025.4	1025.7	87.4	85.2	92	83	1.7	0.6	13.2	13.2	81	93	135	2	113	1	8	• a. Very fine.	
28	1024.0	1022.3	89.1	88.0	94	84	2.5	1.1	13.5	12.9	75	87	135	2	113	1	8	• a. Very fine.	
29	1020.6	1018.6	88.2	88.0	95	84	1.6	1.1	14.2	14.9	83	88	135	1	67	3	0	• a. Very fine till 10 h.	
30	1018.6	1015.9	89.1	89.1	95	85	2.5	1.7	13.5	14.9	75	82	90	2	90	1	0	• a. Very fine.	
31	1017.9	1018.3	89.1	86.3	95	84	3.4	1.7	11.9	12.5	66	81	113	2	315	1	0	• a. Very fine.	
Mean	1017.8	1017.8	84.2	83.6	87.9	81.3	1.4	1.0	11.1	11.3	84	89	2.2	1.8	6.5	5.9	57.9	67.1	80.0
Mean Pressure at Station Level.		1007.3	1007.3	x denotes the maximum and n the minimum value in the column.															

ARMAGH, a.c.d.—MAY 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.
	millibar.		a.	a.	a.	a.	millibar.						%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.
1	1006.8	995.9	200.4	200.4	200.4	200.4	2.3	0.1	8.2	9.6	72	99	270	3	1	10	10	0.9	1.5	76	
2	1000.7	1001.3	80.9	78.8	86	79	3.4	1.3	6.4	7.5	160	82	315	2	225	3	5	0.8	6.9	75	
3	1003.0	1005.7	80.5	81.2	85	76	1.9	2.3	7.7	7.6	75	72	225	2	—	1	9	0.8	5.4	75	
4	1003.0	1009.1	83.7	84.5	90	80	0.7	2.7	11.7	9.4	92	70	158	4	202	8	10	1.8	0.3	79	
5	1010.1	1008.1	84.4	82.7	86	82	2.2	2.0	10.0	9.1	75	75	158	6	158	6	8	—	1.1	80	
6	1016.6	1021.3	81.7	81.3	89	79	1.5	1.4	9.0	8.9	81	82	225	4	—	1	9	0	—	6.5	77
7	1024.0	1025.0	82.5	79.6	85	76	0.9	1.6	10.5	7.6	89	78	—	1	—	1	4	0	—	4.9	71
8	1023.7	1021.0	81.1	78.8	84	75	1.0	1.1	9.2	7.8	87	85	—	0	—	1	10	2	—	2.2	70
9	1017.6	1011.5	80.4	86.2	89	76	1.1	2.7	8.8	10.8	87	71	—	1	90	3	10	7	—	6.1	70
10	1008.4	1006.1	86.6	85.8	92	81	2.8	0.8	10.8	13.3	69	91	90	2	—	1	7	7	—	6.2	80
11	1006.1	1010.5	83.8	82.4	87	80	0.9	0.6	11.4	10.9	89	93	135	5	202	3	10	6	7.6	2.8	79
12	1014.5	1015.6	86.2	86.3	90	82	1.7	1.2	12.2	13.1	81	86	158	4	180	7	10	6	—	2.2	80
13	1020.0	1018.6	86.6	88.3	91	85	1.5	1.7	12.8	14.1	83	82	180	5	—	1	7	10	4.1	6.0	83
14	1014.2	1011.2	89.8	88.7	94	85	2.7	1.4	13.9	14.9	74	84	135	3	180	4	9	10	0.5	6.1	84
15	1010.5	1013.5	88.4	87.2	94	85	1.7	0.8	14.1	14.6	81	91	—	1	180	2	9	10	—	6.3	84
16	1014.2	1013.2	85.4	81.9	90	82	0.9	3.4	12.7	6.9	89	61	158	2	135	3	10	5	0.5	8.6	78
17	1009.8	1009.1	86.2	83.5	87	81	2.0	0.8	11.7	11.5	77	91	135	4	158	5	2	10	0.3	6.2	76
18	1013.5	1017.6	85.3	81.7	87	82	1.7	0.6	11.4	10.4	80	93	180	3	—	1	10	0	9.4	2.7	81
19	1018.9	1017.9	84.2	83.6	89	80	1.8	2.2	10.4	9.3	78	74	113	4	135	3	6	2	—	9.5	78
20	1017.6	1017.3	84.6	84.4	90	82	2.2	0.6	10.1	12.4	74	92	135	7	158	7	10	10	3.8	2.7	80
21	1017.3	1019.6	82.8	85.2	89	82	0.3	1.2	11.5	12.1	96	87	158	4	158	4	10	10	—	4.7	81
22	1022.0	1023.3	86.9	86.0	92	83	2.0	2.8	12.2	10.5	77	70	202	3	158	3	8	10	—	10.3	81
23	1024.4	1024.4	85.4	87.0	90	81	1.9	1.8	11.2	12.6	78	79	202	5	202	4	9	10	0.8	2.9	80
24	1026.4	1025.7	87.0	83.5	91	84	1.8	0.3	12.6	12.1	79	96	—	0	—	0	6	8	5.6	9.7	80
25	1025.4	1025.7	86.1	85.1	92	82	0.9	0.9	13.3	12.3	88	88	—	0	—	1	9	10	0.5	6.0	79
26	1020.4	1027.1	89.3	85.4	92	84	2.9	2.2	13.0	10.8	71	75	—	0	—	1	4	0	—	8.1	82
27	1025.7	1024.4	91.2	86.9	96	80	3.3	2.2	14.1	12.0	68	76	—	0	—	1	1	0	—	13.2	76
28	1023.0	1021.3	91.2	86.3	94	81	3.5	3.3	13.7	10.0	67	65	—	0	—	1	1	0	—	13.3	77
29	1019.6	1017.6	90.8	87.8	95	81	3.6	1.1	13.2	14.7	65	87	—	1	—	1	0	300	—	11.1	76
30	1017.3	1015.6	90.2	89.3	97	82	1.8	1.8	15.8	14.8	81	80	—	1	—	1	0	000	—	11.8	79
31	1016.9	1018.6	91.4	88.4	97	83	2.3	2.3	16.1	13.2	77	76	—	1	—	1	300	500	—	9.6	79
Mean	1016.1	1015.9	85.7	84.4	90.2	80.9	1.9	1.6	11.6	11.1	79	82	2.5	2.6	6.9	5.4	45.6	6.29	78.3		
Mean Pressure at Station Level.	1008.3	1008.2																			

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHOENIX PARK), a.c.—MAY 1919.

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° 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 Station Level.		Air Temperature in Degrees Fahrenheit.		Relative Humidity.	Wind.		Cloud Amount and Weather.		Rain 24 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.							
	9 h.	21 h.	9 h.	21 h.		Direction.	Force or Speed.	Tenths of Sky covered.	State of Sky.											
1	1008.8	997.9	83.4	81.4	86	80	1.8	0.4	9.8	10.5	78	95	225	3	225	5	10	o. ● p.		
2	1001.7	1003.7	80.8	78.2	84	77	1.8	0.9	8.1	7.8	88	270	3	270	1	10	● a. and p. c.			
3	1005.4	1006.4	83.1	84.1	86	77	1.9	0.4	9.5	12.5	78	94	225	2	225	3	7	Fine.		
4	1005.1	1010.5	85.9	84.8	90	80	0.7	1.6	13.5	11.2	92	81	180	4	225	3	9	● a. c.		
5	1010.8	1010.1	84.6	81.9	85	81	1.6	1.2	11.2	9.5	81	85	225	4	225	3	10	c.		
6	1017.3	1020.3	84.6	76.0	88	76	2.2	0.2	10.2	7.4	75	96	225	5	—	0	6	● a. o. to fine.		
7	1023.0	1024.0	80.2	78.6	84	73	0.1	0.2	9.8	8.8	98	97	—	0	45	2	10	Fine.		
8	1023.0	1020.3	82.0	77.9	84	73	1.8	1.1	8.8	7.4	78	85	45	2	45	3	9	● showers 2 h. c.		
9	1015.9	1010.8	81.4	83.4	87	73	0.7	0.9	10.2	11.2	92	88	45	2	—	0	10	o. to c.		
10	1008.1	1009.5	85.9	84.6	90	77	1.3	1.6	12.5	11.2	85	81	—	0	—	0	10	c. ● p. 22 h. 24 h.		
11	1008.1	1011.2	83.6	84.0	90	78	0.6	1.1	11.9	11.2	93	87	225	5	225	4	10	● till 1 h. c.		
12	1014.5	1017.6	85.2	86.1	91	83	0.4	1.4	13.2	12.5	94	83	180	2	270	3	10	Fine.		
13	1020.0	1019.3	86.8	86.3	93	84	2.1	1.4	11.9	12.9	76	83	—	0	—	0	10	● till 1 h. c.		
14	1012.8	1016.8	90.2	89.1	94	84	3.3	1.1	13.2	15.9	67	88	180	5	—	0	3	Fine.		
15	1010.1	1013.9	90.7	85.2	93	84	2.1	1.2	15.6	12.2	78	85	—	0	—	0	4	● till 1 h. c.		
16	1014.5	1013.5	87.9	83.1	91	80	2.7	1.2	12.2	10.5	72	85	360	2	360	4	7	Fine.		
17	1010.5	1010.8	85.8	83.6	89	82	2.9	1.6	10.2	10.2	69	81	225	3	225	3	8	● 14 h.		
18	1014.2	1016.9	86.4	81.2	87	80	2.1	0.3	11.9	10.5	76	95	225	2	—	0	10	Fine.		
19	1018.6	1017.3	85.1	83.6	88	79	1.7	1.7	11.2	10.2	80	80	180	2	180	2	9	● 2 h. o. ● p.		
20	1016.9	1017.3	84.2	85.7	88	81	1.2	1.6	11.2	11.9	85	82	180	4	135	5	9	o. to c.		
21	1017.3	1020.3	85.3	84.1	92	82	1.3	0.7	11.9	12.2	84	92	225	3	—	0	9	c. ● p. 22 h. 24 h.		
22	1022.3	1024.0	86.4	84.9	91	82	1.9	2.3	12.2	10.2	79	73	—	0	—	0	9	● till 1 h. c.		
23	1025.4	1025.7	88.1	86.3	92	76	3.6	2.7	10.8	10.8	64	71	270	2	270	2	7	Fine.		
24	1026.7	1025.4	87.2	83.6	91	83	0.9	0.3	14.6	12.2	89	96	—	0	—	0	10	● till 1 h. c.		
25	1024.7	1025.4	86.9	85.8	90	82	2.0	2.0	12.2	11.5	77	77	—	0	—	0	7	Fine.		
26	1026.1	1026.7	89.1	83.6	91	83	3.3	1.8	12.2	9.8	67	79	180	2	—	0	2	● 14 h.		
27	1025.7	1024.7	91.7	81.4	95	79	3.2	0.8	14.6	9.8	70	91	45	2	—	0	1	Fine.		
28	1023.0	1021.3	89.7	80.9	93	77	3.7	0.7	12.2	9.8	64	92	135	2	—	0	0	Very fine.		
29	1018.9	1017.6	89.9	81.9	94	79	3.8	0.3	12.2	10.8	64	96	90	3	—	0	0	Fine.		
30	1016.6	1015.9	92.0	82.9	94	79	5.1	0.4	11.9	11.5	55	94	135	2	—	0	0	Very fine.		
31	1016.9	1018.3	91.3	82.6	94	80	2.8	0.7	15.2	10.8	73	92	—	0	—	0	0	Very fine.		
Mean	1016.2	1016.3	86.3	83.1	89.8	79.4	2.1	1.1	11.8	10.8	78	87	2.1	1.4	7.0	5.0	46.5	6.19	77.2	Very fine.
Mean Pressure at Station Level.	1010.4	1010.4																		
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 12th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—JUNE 1919.

Heights above Mean Sea Level :—Rain-gauge Site, H = 48.8 m.;

FORT WILLIAM, INVERNESS-SHIRE, a.c.—JUNE 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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	1021.7	1024.0	88.9	85.2	93	83	3.6	3.2	11.7	9.1	65	65	0	45	3	8	—	—	200+	Fine, dry, and sunny.
2	1026.4	1027.1	85.2	83.8	91	80	3.9	2.7	8.4	8.9	59	70	45	1	90	2	9	—	—	Fine, dry, and sunny.
3	1027.1	1024.0	86.3	83.7	89	78	3.9	0.2	9.2	12.4	60	98	0	225	1	7	100	3.6	—	c. after 12 h.
4	1020.6	1018.6	85.7	86.9	91	83	0.4	1.4	13.7	13.2	94	83	225	1	315	1	100	0.5	—	Shower, with hill s.
5	1018.3	1017.9	87.2	84.7	90	84	1.8	0.1	12.8	13.4	79	99	270	1	270	2	10	1.5	—	Shower, with hill s.
6	1017.3	1015.9	85.7	87.1	90	84	0.4	1.3	13.7	13.5	94	85	225	2	225	2	10	1.5	—	Shower, with hill s.
7	1011.8	1010.1	86.3	83.0	88	83	0.6	0.2	13.2	12.0	93	98	0	225	2	10	7	1.5	—	Shower, with hill s.
8	1010.5	1006.4	86.3	82.4	89	81	2.1	0.7	11.7	10.7	70	92	270	3	225	4	7	19.6	—	Shower, with hill s.
9	1014.2	1020.0	83.4	81.9	87	80	1.6	0.4	10.2	10.6	81	94	225	3	225	3	10	8.1	—	Shower, with hill s.
10	1027.7	1026.4	84.7	83.4	90	81	1.7	0.4	10.9	11.9	80	94	225	3	0	8	100	10.7	—	Dull, with showers.
																	10.4	10.4	—	Shower, with hill s.
11	1017.3	1016.2	86.2	86.7	88	82	0.4	0.4	14.3	14.9	94	95	225	4	0	10	100	4.3	—	"Muggy," with hill s.
12	1009.8	1006.1	88.6	86.9	92	84	1.1	1.1	15.3	13.7	88	87	0	45	4	10	10	1.8	—	Dull and showery.
13	1012.8	1025.4	85.4	83.6	89	84	2.4	2.7	10.4	8.8	73	69	315	4	315	4	9	—	—	Fair to fine.
14	1026.4	1020.3	87.4	85.8	90	80	3.3	2.3	10.8	10.8	66	74	270	3	225	3	1	8	4.1	Fine and sunny; dull 21 h.
15	1016.2	1011.8	83.4	84.7	86	82	0.4	0.6	11.9	12.6	94	93	270	3	225	4	100	100	32.3	Dull, with hill s.
16	1008.8	1012.2	84.4	81.9	85	82	0.3	0.1	12.9	12.6	96	99	225	4	0	100	7	19.8	—	All day and hill s.
17	1017.9	1016.2	84.7	84.1	89	79	1.7	1.7	10.9	10.5	80	80	270	3	0	6	6	3.3	—	Generally fine and sunny.
18	1017.3	1017.3	86.7	83.4	89	81	3.3	2.1	10.4	9.4	66	76	225	4	225	1	7	8	7.9	Generally fine and sunny.
19	1004.7	1006.1	86.0	81.9	89	82	1.8	0.6	11.9	10.5	80	93	225	5	225	3	7	10.0	10.2	Unsettled and showery.
20	1010.8	1012.5	84.1	82.4	88	80	2.3	1.0	9.6	10.3	73	87	225	3	225	2	7	10.0	6.6	Dull and showery.
21	1019.6	1025.4	86.3	83.1	89	80	2.7	1.8	10.9	9.6	71	79	225	1	225	2	8	8	0.8	Fair to fine generally.
22	1020.6	1013.9	83.0	83.0	85	80	1.0	0.6	10.6	11.3	87	93	225	3	270	4	100	8.0	9.1	Dull and showery.
23	1009.1	1015.2	83.0	83.0	86	82	1.1	1.7	10.5	9.7	86	80	270	5	270	2	100	10.0	4.3	Unsettled. Hill s. and q.
24	1020.0	1018.9	84.7	82.9	86	82	2.1	1.0	10.3	10.6	75	87	270	3	0	8	10	—	—	c. but fair.
25	1020.0	1023.0	84.7	81.9	89	80	2.9	2.9	9.2	7.4	68	66	45	1	360	2	9	1	—	Fine, clear, and sunny.
26	1022.7	1019.6	83.9	82.5	90	77	3.7	0.2	7.8	11.6	61	98	0	0	0	10	100	2.8	—	Fine and sunny.
27	1017.9	1015.6	87.3	84.7	92	81	2.3	0.6	12.3	12.5	76	92	225	2	225	4	10	100	0.8	Fine and sunny.
28	1012.2	1014.2	86.9	82.4	87	82	3.3	1.7	10.3	9.3	65	79	270	3	270	4	8	100	2.0	Fine and sunny.
29	1015.6	1015.9	81.7	81.9	84	80	2.6	2.2	7.6	8.2	69	73	360	3	270	2	100	10.0	0.5	Fine and sunny.
30	1001.3	1008.8	82.3	82.7	85	80	2.3	1.2	8.5	9.1	72	85	315	3	45	3	100	7	1.3	Dull and showery.
Mean	1016.6	1016.8	85.3	83.7	88.5	81.2	2.0	1.2	11.1	10.9	77	85	2.4	2.1	8.6	8.0	167.8			
Mean Pressure at Station Level.	1015.1	1015.3																		

DOUGLAS, ISLE OF MAN, a.—JUNE 1919.

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° 10' N. Long. 4° 28' W. Time, 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.							
1	1020.0	1023.0	90.2	83.6	92	84	2.8	1.7	13.9	10.2	72	80	90	2	315	5	400		∞ a. Very fine.
2	1025.7	1027.1	85.2	81.9	88	82	3.3	0.7	9.1	10.2	64	92	45	4	293	3	7		∞ a. Bright intervals.
3	1027.4	1025.4	86.9	86.1	89	81	2.8	1.4	11.2	12.5	70	84	67	2	315	3	6	∞ a. Fine till 15 h., then c.	
4	1021.7	1020.3	86.5	86.3	89	85	0.0	0.4	15.2	14.6	100	95	360	5	315	5	100	∞ a. early. o. q.	
5	1019.6	1020.6	87.7	87.4	91	85	0.8	0.6	14.9	15.2	90	93	315	5	293	1	7	∞ a. early. c. q.	
6	1020.3	1020.3	87.4	84.7	89	85	0.8	0.6	14.9	12.5	90	93	225	2	247	1	10	∞ a. c. q.	
7	1016.2	1014.2	88.6	83.6	91	83	3.1	0.3	12.2	12.2	69	97	135	2	247	3	3	∞ a. Fine to o. q.	
8	1016.2	1014.2	85.8	83.0	87	82	2.2	0.6	11.2	11.2	75	93	180	5	225	2	7	∞ a. Fine to c. q.	
9	1021.0	1025.4	85.2	83.6	86	80	3.1	1.1	9.5	10.8	67	86	247	6	247	3	3	∞ a. Fine but q.	
10	1032.5	1030.1	86.3	84.1	88	81	2.2	1.1	11.5	11.5	75	86	225	3	225	1	4	∞ a. Fine but q.	
11	1023.7	1016.6	85.8	86.3	92	83	0.3	0.6	14.2	14.2	97	93	225	5	157	1	10	o. q. to c. p.	
12	1006.1	1003.7	86.9	83.0	90	83	0.6	0.6	14.6	11.2	93	93	67	1	23	1	100	∞ a. Fine but q.	
13	1016.2	1028.4	83.0	82.4	87	82	1.7	1.2	9.8	9.8	80	85	270	7	337	2	6	∞ a. early. Fine.	
14	1029.4	1028.1	85.2	83.0	87	80	1.7	1.1	11.2	10.5	80	86	203	2	157	1	4	∞ a. and p. Very fine.	
15	1022.7	1018.6	83.6	83.6	87	82	0.4	0.6	12.2	11.9	95	93	225	2	225	5	10	∞ a. c. q.	
16	1016.6	1015.6	85.2	84.4	87	84	1.1	0.0	12.2	13.5	86	100	203	6	225	6	8	∞ a. c. q.	
17	1020.0	1019.3	86.3	84.1	88	82	3.3	1.1	10.2	11.5	65	86	90	2	247	1	7	∞ a. Fine.	
18	1022.0	1020.6	85.8	83.8	89	82	3.9	0.9	8.8	11.5	60	89	270	5	180	4	3	∞ a. Fine. q.	
19	1012.2	1012.8	84.1	83.6	88	83	0.1	1.7	12.9	10.2	99	80	203	4	247	4	100	∞ a. o. q. to c.	
20	1015.6	1015.2	85.2	82.7	87	81	3.3	0.8	9.1	10.8	64	89	247	2	225	2	4	∞ a. Fine but q.	
21	1020.3	1029.1	83.6	81.3	87	81	1.7	1.1	10.2	9.5	80	86	293	4	270	1	6	∞ a. Fine but q.	
22	1025.4	1019.3	84.1	85.2	86	80	1.1	0.8	11.5	12.9	86	90	203	3	293	3	100	∞ a. c. q.	
23	1016.2	1017.6	83.9	83.0	86	82	0.9	1.7	11.5	9.8	88	80	293	6	293	8	8	∞ a. with showers.	
24	1021.7	1018.9	84.1	82.4	86	81	1.8	1.7	10.5	9.5	79	79	270	8	315	3	6	∞ a. Fine but q. to dull.	
25	1018.3	1021.0	82.6	81.9	87	81	1.3	1.7	9.8	8.8	84	79	67	2	337	3	100	∞ a. c. q.	
26	1023.0	1021.7	83.0	83.0	86	81	2.8	0.9	8.5	10.8	68	88	337	2	270	2	6	∞ a. Fine but q.	
27	1020.6	1020.6	84.1	86.9	90	82	1.1	1.7	11.5	12.9	86	81	293	5	270	3	8	∞ a. Fine but q.	
28	1018.3	1018.3	84.7	82.6	89	82	0.6	1.6	12.5	9.5	93	81	270	3	293	3	10	∞ a. c. q.	
29	1018.3	1015.9	83.0	81.6	83	81	1.8	1.4	9.5	9.1	79	82	337	8	293	10	8	∞ a. c. q.	
30	1008.8	1005.7	83.0	81.9	85	81	2.2	0.6	9.1	10.5	74	93	293	10	293	2	6	∞ a. Fine.	
Mean	1019.9	1019.6	85.2	83.7	87.9	82.0	1.8	1.0	11.5	11.3	80	88	4.1	3.1	7.0	6.5	76.6	6.70	80.9

Mean Pressure at Station Level.

1009.31009.0

∞ 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 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	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.						%	%	°	m/s.	Tenths of Sky covered.		mm.	hr.	a.	
1	1021.3	1025.7	89.6	84.2	93	82	2.3	0.9	14.2	11.6	77	88	—	1	—	0	7	—	12.9	77	Fine, clear, and cool.	
2	1027.1	1029.4	87.1	81.0	89	79	3.3	1.2	10.5	9.0	75	85	—	1	23	2	0	—	13.8	72	Fine and cool.	
3	1028.8	1026.7	87.9	86.7	91	79	2.8	0.4	12.0	14.8	71	95	—	1	—	1	4	10	1.0	6.2	Fine to o. ° showers.	
4	1024.0	1022.0	88.7	87.7	94	86	0.4	0.7	16.8	15.2	95	92	—	1	—	1	10	10	—	0.5	86	° showers 2 h. o.
5	1020.6	1020.3	87.6	87.9	90	86	0.3	0.7	15.9	15.5	96	93	—	1	—	0	10	9	—	—	86	o.
6	1019.3	1016.9	87.4	80.1	94	86	1.8	2.5	13.2	14.3	80	74	22.5	3	20.2	2	10	—	—	2.1	82	o. most of day.
7	1011.5	1013.2	89.3	84.3	90	84	3.1	1.4	12.6	11.0	69	83	18.0	5	22.5	3	10	8	8.4	1.4	86	o. ° showers afternoon.
8	1011.8	1012.8	87.1	82.7	89	80	2.7	1.9	11.4	9.2	71	77	20.2	0	22.5	3	4	1	1.5	5.9	78	c. q., with ° showers.
9	1018.6	1025.0	84.9	81.7	90	79	2.6	0.7	9.8	10.1	71	91	22.5	4	22.5	2	6	1	0.8	9.6	77	q., with ° showers.
10	1031.1	1025.7	86.2	84.6	91	79	2.1	0.4	11.6	12.7	77	94	22.5	2	20.2	3	5	10	3.3	6.4	77	Fine to dull. ° p.
11	1020.0	1013.2	88.8	88.8	94	84	1.4	0.6	15.1	16.6	85	94	20.2	5	13.5	3	10	10	3.6	1.4	84	Dull and overcast.
12	1004.7	1009.1	87.3	83.1	90	83	0.0	0.9	16.2	10.8	100	89	—	1	31.5	4	10	10	13.5	—	87	° a. T 7 h. ° afternoon.
13	1020.0	1028.8	85.4	83.2	90	82	1.9	1.1	11.1	10.7	77	87	33.8	3	—	1	9	3	—	7.5	81	Fine, but cool.
14	1028.4	1022.0	85.3	86.1	91	79	2.4	1.5	10.3	12.4	73	82	22.5	2	22.5	2	8	5	10.0	7.5	75	Fine, but cool.
15	1019.3	1015.2	85.0	86.8	89	82	1.4	1.9	11.5	12.4	82	79	20.2	5	22.5	4	10	10	0.8	—	82	Dull and cold.
16	1012.2	1015.9	86.9	83.8	89	84	1.1	0.1	13.7	12.7	87	98	20.2	6	—	0	10	7	5.1	—	84	Dull. K 15 h.-17 h. °
17	1018.9	1018.3	86.1	85.0	90	79	1.6	1.7	12.2	11.1	82	79	—	1	—	1	5	4	—	8.1	76	Fine, but cool.
18	1021.7	1016.9	85.4	85.7	90	81	2.7	1.9	10.1	11.4	70	78	22.5	2	—	1	8	10	2.8	8.7	77	Fine to o.
19	1008.8	1012.2	86.7	82.9	90	82	1.5	1.8	12.9	9.4	83	78	22.5	3	24.8	2	8	8	—	7.0	82	Fine.
20	1014.9	1014.9	85.8	81.1	90	80	2.9	0.1	10.1	10.6	89	99	22.5	2	—	1	8	10	2.5	8.2	78	Fine to ° showers.
21	1023.0	1028.4	84.7	82.8	91	79	1.9	2.3	10.6	8.8	77	73	33.8	2	—	1	8	2	0.5	12.6	78	Fine.
22	1022.0	1020.3	83.4	84.0	90	80	0.3	1.2	12.1	11.2	95	86	20.2	5	27.0	2	10	8	1.0	0.3	76	° a. o.
23	1018.6	1022.7	85.2	82.8	88	82	1.7	1.4	11.2	9.9	80	83	29.3	2	31.5	4	8	8	0.3	4.2	81	Cold and q., with ° showers.
24	1024.7	1019.3	85.6	82.6	89	81	2.8	0.3	10.0	11.5	70	97	—	1	—	0	8	10	3.3	2.3	80	c. to o.
25	1019.3	1024.0	83.4	81.7	89	80	0.6	1.7	11.7	8.8	93	80	—	1	36.0	3	9	2	—	6.4	80	Dull to clear and cold.
26	1025.0	1022.0	84.3	83.7	89	79	1.3	0.0	11.2	12.8	84	100	36.0	2	—	1	9	10	1.8	1.1	72	° a. ° afternoon. Dull.
27	1022.0	1021.0	86.9	86.7	93	84	0.8	0.4	14.3	14.9	91	95	—	1	—	1	10	10	—	4.6	82	Dull to fine.
28	1018.9	1020.3	85.6	82.7	90	82	0.7	1.8	13.3	9.2	92	77	27.0	2	36.0	2	10	4	—	5.6	85	° a. Fine.
29	1018.6	1021.0	85.6	81.8	87	81	2.0	1.9	11.2	8.6	77	76	33.8	3	36.0	3	6	8	—	7.8	78	Fine to dull and cold.
30	1014.2	1008.4	84.0	81.7	86	79	2.1	0.2	9.8	10.9	75	98	33.8	3	33.8	2	8	10	1.8	4.0	77	q. Cold, with °.
Mean	1019.6	1019.7	86.2	84.3	90.2	81.4	1.8	1.1	12.2	11.6	80	87	2.6	1.9	7.8	7.0	52.0	5.30	79.7			
Mean Pressure at Station Level.	1011.9	1011.9																				

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—JUNE 1919.

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° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

1	1020.6	1024.4	90.9	85.1	93	80	3.3	1.4	13.9	11.5	67	82	360	2	0	0	0	—	13.0	77	Fine.	
2	1026.7	1028.4	86.3	80.4	90	78	2.4	0.7	11.2	9.5	73	92	45	2	—	0	6	—	11.2	74	Fine.	
3	1028.4	1027.1	87.4	88.4	92	76	2.9	2.1	11.5	13.5	70	77	360	2	—	0	4	0.5	8.8	73	Fine. ●° showers p.	
4	1024.0	1022.7	90.8	90.0	96	87	1.1	0.9	17.9	17.3	88	90	270	3	270	3	10	10	2.2	86	c.	
5	1021.3	1021.0	88.7	88.6	92	87	1.4	1.7	14.9	14.2	85	82	270	3	—	0	10	9	0.1	85	o.	
6	1020.3	1018.9	91.2	89.4	96	85	3.3	2.0	14.2	14.6	68	79	270	3	—	0	3	9	7.3	84	Fine.	
7	1013.2	1015.2	92.0	81.9	92	81	5.1	0.6	11.9	10.5	55	93	45	2	—	0	7	0	0.8	81	c. ●° showers p.	
8	1014.2	1013.9	89.4	83.5	90	79	4.3	0.6	10.8	11.9	59	93	22.5	5	—	0	7	7	1.9	75	Fine. ● p.	
9	1021.0	1025.7	86.3	84.2	90	79	3.3	1.2	10.2	11.2	65	85	22.5	4	—	0	7	1	11.8	76	Fine. ●° showers p.	
10	1031.8	1027.1	89.3	85.7	92	77	3.4	0.4	12.2	13.9	66	94	22.5	2	—	0	4	9.02	3.0	6.4	73	Fine. ☞ 22 h. 30 m.-mid.
11	1021.0	1013.9	92.0	90.1	97	85	0.1	1.9	21.7	15.6	99	80	270	3	—	0	2	9	5.4	10.3	84	☞ till o. h. 45 m. Fine.
12	1003.4	1010.1	86.9	82.6	91	82	0.3	0.6	15.2	10.8	96	93	—	0	270	4	10.02	10.02	227.1	—	86	o., with ●° T noon-1.5
13	1021.0	1029.1	85.8	82.1	90	82	2.6	0.9	10.5	10.2	72	89	31.5	4	—	0	9	0	—	8.4	80	Fine.
14	1028.8	1024.0	87.6	84.8	92	75	3.0	1.9	11.5	10.8	69	78	22.5	2	22.5	3	9	2	—	10.2	72	Fine.
15	1021.0	1017.3	88.0	85.9	91	82	3.0	1.7	11.5	11.9	69	81	22.5	4	22.5	3	7	7	—	1.7	79	c.
16	1014.9	1016.6	87.7	85.4	90	85	1.9	0.7	13.2	13.2	79	82	22.5	4	270	2	8	7	2.0	—	82	o. ● 17 h. 30 m.-21 h.
17	1019.6	1019.3	87.1	83.6	91	82	2.3	1.1	11.9	10.8	74	86	22.5	2	—	0	6	6	—	5.4	79	c.
18	1022.7	1019.6	87.4	85.2	91	81	3.9	2.8	10.2	9.8	61	69	270	3	22.5	3	5	10	2.3	8.3	80	Fine. ●° p.
19	1011.5	1014.2	85.9	83.6	90	84	0.4	2.3	13.9	9.1	95	73	22.5	2	22.5	3	10.02	10	0.6	2.6	82	c.
20	1016.2	1015.9	84.7	82.4	89	81	2.4	1.1	9.8	10.2	72	86	22.5	2	22.5	2	9	8	—	4.5	80	c.
21	1023.7	1028.8	86.2	80.4	90	79	3.2	0.4	10.2	9.8	66	95	31.5	3	—	0	6	1	0.4	11.1	78	Fine.
22	1023.7	1021.3	85.7	86.1	89	77	1.0	0.9	12.9	13.5	88	89	22.5	3	270	3	10.0	9	1.0	0.3	74	o., with ●°.
23	1020.6	1023.7	86.2	83.6	88	83	2.4	2.7	11.2	8.8	73	69	31.5	5	31.5	4	9.0	10	—	6.7	81	Fine. ●° showers p.
24	1025.4	1019.3	85.2	83.0	90	82	2.8	0.1	9.8	12.2	69	99	31.5	4	—	0	8	10.02	13.3	3.0	79	c. ●° p.
25	1016.9	1023.3	82.4	81.9	89	82	0.6	1.9	10.8	8.8	93	77	45	2	360	2	10.02	2	—	4.4	81	c. ●° p.
26	1024.0	1023.7	86.0	83.2	89	78	2.7	0.2	10.5	12.2	71	97	45	3	22.5	2	5	10.02	1.8	5.9	75	Fine. ●° p.
27	1022.3	1023.0	87.6	88.2	92	83	1.3	4.3	13.9	10.2	85	58	31.5	2	22.5	3	10	9	—	2.3	82	c. ●° showers p.
28	1020.6	1021.3	86.9	83.0	90	83	1.8	1.6	12.5	9.8	80	81	270	4	31.5	3	10	2	—	4.3	84	c.
29	1021.3	1021.3	86.3	82.3	89	81	3.2	1.4	10.2	9.5	66	81	270	4	360	3	7	2	—	8.4	79	Fine.
30	1015.2	1008.8	85.8	81.9	87	79	2.6	0.7	10.5	10.2	72	92	270	4	270	3	6	10.02	1.7	4.4	77	c. ●° showers p.
Mean	1020.5	1020.6	87.4	84.6	90.9	81.2	2.4	1.4	12.4	11.5	75	84	2.9	1.5	7.1	6.2	61.8	57.0	79.3			
Mean Pressure at Station Level.	1014.6	1014.7																				

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

METEOROLOGICAL OFFICE, LONDON.
1918

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

METEOROLOGICAL OFFICE, LONDON.
August 15th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—JULY 1919.

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

FORT WILLIAM, INVERNESS-SHIRE, **a.c.**—JULY 1919.

Heights above Mean Sea Level:—Rain-gauge Site, $H = 52.1$ m.; Barometer, $H_b = 11.6$ m. Heights above Ground:—Therm., $h_t = 1.2$ 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.
	millibar.		a.	a.	a.	a.			millibar.		%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.		
1	1009.8	1009.1	88.6	86.8	91	79	4.4	2.7	10.1	11.2	58	71	45	2	45	3	2	8	—	200+	Fine, clear, and sunny.
2	1011.8	1013.5	88.0	85.8	82	82	3.9	2.2	10.5	11.0	61	75	45	3	45	3	7	1	—		Fine, clear, and sunny.
3	1016.9	1018.9	85.8	84.5	89	81	2.2	1.5	11.0	11.0	75	82	45	4	90	3	10	5	—		Fine and sunny.
4	1019.6	1018.6	85.8	85.8	91	82	2.1	1.7	11.2	11.8	76	81	45	4	90	3	10	10	—		c., but fine. Sunny intervals.
5	1019.3	1020.3	84.1	85.2	90	81	2.2	1.9	9.7	10.9	74	78	45	3	90	4	7	8	—		Fine, clear, and sunny.
6	1021.3	1020.6	86.2	85.9	94	80	3.2	2.5	10.0	10.8	66	72	45	4	90	2	0	0	—		Very fine. Pronounced visibility.
7	1019.6	1020.0	85.8	85.8	93	80	2.2	1.1	11.0	12.7	75	87	45	2	—	—	0	0	—		Very fine, cloudless.
8	1020.3	1021.7	88.6	86.9	93	80	3.7	1.2	11.2	13.5	64	86	—	0	—	0	2	7	—		Very fine, c. p.
9	1024.0	1025.0	86.3	87.4	94	83	2.2	1.1	11.5	14.2	75	87	—	0	—	0	0	0	—		Very fine, cloudless.
10	1023.3	1020.3	88.1	86.3	93	85	2.1	1.1	13.2	13.2	77	87	225	2	225	2	10	10	—		Generally fine and sunny.
																	3.3	10			Generally fine and sunny.
11	1013.2	1011.2	86.3	84.1	91	84	0.1	2.2	15.0	9.7	99	74	270	3	225	1	100	8	—		Alternate sun and shower.
12	1013.9	1020.3	84.1	82.9	89	82	2.4	3.2	9.5	7.7	73	64	360	3	—	0	7	1	—		Fine, clear, and sunny.
13	1017.6	1018.6	85.8	84.7	91	79	2.2	2.7	11.0	9.5	75	70	270	2	270	2	9	1	—		Generally fine and sunny.
14	1018.9	1018.3	85.8	87.1	93	77	2.2	1.9	11.0	12.5	75	79	—	0	315	2	1	9	—		Fine and sunny.
15	1019.3	1020.0	86.7	85.9	94	83	3.1	0.7	13.0	13.5	69	91	225	1	225	2	7	10	—		Fine and sunny.
16	1018.6	1016.9	85.2	85.2	88	84	1.8	1.1	11.1	12.2	79	86	270	2	225	2	10	10	—		Dull and c. Fair.
17	1014.9	1013.9	85.3	85.2	88	84	1.2	0.9	12.2	12.5	85	88	225	2	225	2	10	10	—		Dull, with c. showers.
18	1008.8	1002.4	88.0	86.0	94	84	1.9	0.8	13.3	13.5	79	91	225	2	—	0	10	10	—		Dull, with c. showers.
19	1001.7	1009.1	86.0	84.6	87	84	0.3	2.2	14.3	10.2	97	75	225	3	270	2	100	8	—		Showery a. Fine p.
20	1012.8	1016.2	86.9	85.2	92	81	2.8	2.2	11.0	10.5	70	74	—	0	315	1	8	8	—		Fine, clear, and sunny.
21	1016.6	1015.6	87.4	85.0	91	80	2.5	2.6	12.1	9.9	74	71	225	3	—	0	9	7	—		Showery a. Fine p.
22	1013.5	1016.9	84.7	86.1	90	81	2.3	2.0	10.0	11.6	73	77	220	2	315	2	10	10	—		Dull and c. Spasmodic.
23	1018.9	1021.0	86.3	84.9	91	85	1.7	1.4	12.4	11.5	81	83	270	1	—	0	10	1	—		c., but fine.
24	1022.3	1020.3	89.1	86.6	94	81	4.4	1.8	10.5	12.3	58	80	—	0	45	2	0	1	—		Air very dry.
25	1025.0	1024.0	88.1	88.4	96	82	3.4	2.6	12.0	12.6	66	72	45	4	45	2	0	0	—		Air very dry.
26	1024.0	1023.3	88.0	85.8	93	81	3.3	2.7	11.2	10.4	66	71	45	3	45	4	1	1	—		Air very dry.
27	1024.0	1023.3	85.8	85.2	90	81	2.8	1.6	10.2	9.8	70	69	45	5	45	4	10	7	—		c. a. Fine and sunny after 1.
28	1024.7	1024.7	85.8	86.3	93	78	3.8	2.2	8.9	11.5	61	75	45	3	90	1	4	1	—		Very fine, clear, and sunny.
29	1025.0	1024.0	88.6	85.8	95	80	3.8	1.5	11.1	12.1	63	83	—	0	225	1	0	7	—		Very fine, clear, and sunny.
30	1023.3	1022.3	86.3	85.2	91	84	2.3	1.7	11.4	11.3	74	80	—	0	270	2	10	10	—		c., with sunny intervals.
31	1010.5	1009.8	85.7	86.3	89	84	0.4	1.1	13.7	13.3	94	88	225	4	225	2	100	10	—		● = 0. T 12 h. 20 m.
Mean	1017.9	1018.2	86.7	85.7	91.6	81.7	2.5	1.8	11.4	11.6	74	79	2.2	1.7	6.6	6.1	39.6				
Mean Pressure at Station Level.	1016.5	1016.8																			

DOUGLAS, ISLE OF MAN, a.—JULY 1919.

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. above Greenwich.

		Hourly mean time, 20 m. after Greenwich.																				
		0-12																				
		0-12																				
1	1007.4	1006.4	86.3	84.1	89	n 80	3.2	1.7	10.2	10.5	67	80	360	1	23	3	2	7	1.3	10.0	n 78	Fine a. T. 15 h. 30 m.
2	1008.8	1011.8	86.3	84.4	89	82	2.2	1.9	11.5	10.2	75	77	23	5	360	1	4	3	0.5	7.4	81	Fair. c. q. at intervals.
3	1012.2	1015.2	87.4	84.7	90	82	2.2	0.9	12.5	12.2	76	88	337	3	45	3	4	7	0.5	6.2	81	Fine a. c. p.
4	1015.9	1016.2	87.4	83.8	n 86	83	1.1	0.8	11.9	11.5	86	89	67	4	45	4	10	8	2.5	1.4	82	showers. q.
5	1017.3	1019.6	87.4	84.1	89	82	2.8	1.1	11.5	11.5	71	86	90	1	90	3	4	0	—	13.1	81	Very fine.
6	1021.0	1021.0	85.1	83.6	88	83	0.9	1.1	12.2	10.8	88	86	90	2	45	1	10	2	—	2.5	81	Dull and c. till 17 h.
7	1020.3	1019.6	85.8	85.8	89	82	1.7	1.7	11.9	11.9	81	81	113	1	360	1	10	—	—	2.0	79	Dull and c. till 17 h.
8	1019.6	1022.0	86.9	84.8	91	84	1.0	1.6	13.9	11.2	88	81	45	1	315	3	8	—	—	12.0	82	a. and p. Very fine.
9	1024.7	1026.1	85.8	83.6	89	83	1.7	0.6	11.9	11.9	81	93	337	3	337	2	7	8	—	14.3	82	Very fine.
10	1024.7	1021.3	87.2	84.9	89	84	1.4	1.4	13.5	11.5	84	83	337	4	315	3	4	2	—	10.8	82	Bright and q.
11	1017.9	1014.9	89.1	84.7	n 91	x 85	1.7	0.6	14.9	12.5	82	93	247	3	337	1	8	6	3.1	0.9	83	c. to a. show 16 h. 19
12	1015.4	1021.7	83.7	83.0	n 86	82	0.8	1.1	11.5	10.5	90	86	337	5	315	6	7	3	—	11.8	81	Bright and q.
13	1022.0	1021.3	84.7	83.0	89	82	2.2	1.7	10.2	9.8	74	80	293	5	315	3	7	4	2.0	4.0	81	c. to a. d. 16 h.
14	1022.7	1018.9	85.8	84.1	89	82	1.1	0.4	12.9	12.5	87	94	360	1	315	5	10	10	1.0	2.6	82	c. q. d. after 20 h.
15	1020.6	1022.1	86.6	85.2	91	84	1.4	0.6	12.9	13.2	84	93	360	3	293	1	6	—	—	12.3	83	Very fine.
16	1020.3	1019.3	87.4	84.9	90	x 85	0.6	0.3	15.2	13.5	93	96	293	2	247	1	10	6	0.3	0.4	83	Dull and c.
17	1017.6	1016.6	86.6	86.1	91	84	0.7	0.8	15.2	13.5	91	90	247	1	247	1	10	8	—	5.4	81	Dull and c. Fine afternoon
18	1012.5	1006.1	86.2	85.8	87	84	0.7	0.6	13.9	13.5	93	93	180	2	157	3	10	10	6.1	0.2	84	≡ a. o. c. after 16 h.
19	1005.1	1008.8	86.9	83.6	89	84	0.8	1.7	14.2	10.2	90	80	315	2	337	2	10	7	0.3	6.8	85	Dull, with d. a. Fine p.
20	1014.2	1018.6	86.3	83.6	89	81	2.2	1.1	11.5	10.8	75	86	315	5	293	1	6	6	—	12.6	79	q. a. Fine. p.
21	1019.3	1017.6	86.9	85.8	89	81	2.9	1.1	10.8	12.9	69	87	247	2	293	1	7	8	0.5	8.6	80	p a. Fine to c.
22	1015.6	1017.9	85.8	84.7	88	84	2.2	1.1	11.2	11.9	75	86	315	6	293	6	7	10	—	8.0	82	Fright to c.
23	1018.9	1021.3	86.1	84.4	89	84	1.8	1.2	11.9	11.5	80	85	293	6	315	6	4	8	—	10.6	83	Bright and q.
24	1022.3	1022.0	86.3	84.1	90	84	1.9	0.6	11.9	12.2	78	93	315	5	337	3	8	0	—	10.3	83	Very fine. q.
25	1024.0	1024.7	90.8	86.9	91	83	3.9	1.7	12.9	12.9	63	81	67	2	337	1	0	0	—	14.0	81	p a. Very fine.
26	1024.0	1022.7	89.4	85.8	x 92	82	3.1	1.1	12.9	12.9	69	87	203	1	315	3	4	0	—	11.8	81	p a. Very fine.
27	1023.7	1022.7	86.9	84.1	89	83	2.8	2.2	11.2	9.8	70	74	90	4	360	1	7	4	—	8.1	82	c. q. a. Fine afternoon.
28	1023.7	1025.0	85.8	83.6	88	82	2.5	1.7	10.5	10.2	73	80	45	2	360	1	10	0	—	14.0	80	o. c. till 16 h., then bright.
29	1025.4	1025.0	89.7	85.8	x 92	81	3.9	1.7	11.9	11.9	n 62	81	90	2	293	1	4	0	—	4.0	n 78	a. Very fine.
30	1025.0	1024.4	87.7	84.7	x 92	83	2.2	0.6	12.5	12.5	76	93	293	2	315	1	2	0	—	13.4	81	a. and p. Very fine.
31	1020.3	1015.9	88.0	88.0	90	83	1.9	1.7	13.2	13.9	79	82	225	4	270	2	8	10	2.0	1.2	81	a. c. to o. after 16 h.
Mean	1018.8	1018.9	86.8	84.7	89.3	82.8	1.9	1.2	12.4	11.8	79	86	2.9	2.4	6.7		4.8		20.1	7.77	81.4	
Mean Pressure at Station Level.	1008.4	1008.4																				
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 1919.

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, h _r = 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks		
	9 h.	21 h.	9 h.	21 h.	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.	9 h.	21 h.										
millibar.			a.	a.	a.	a.	millibar.						%	%	0-12		0-12		Tenths of Sky covered.		mm.	hr.	a.	200+
1	1003.4	1000.8	200+	200+	200+	200+	1.2	0.4	9.9	11.0	85	94	337	5	315	3	10 0	10 0	8.8	0.4	80	T 0.15 h. Dull.		
2	1005.4	1008.8	82.4	82.3	85.8	80.8	1.7	1.3	10.5	11.0	79	83	337	4	315	3	10 0	9	4.3	0.2	80	Dull. K 15 h. 35 m.		
3	1008.8	1012.5	84.1	84.4	87	82	0.7	1.1	11.5	11.5	91	87	293	5	315	3	10 0	10	4.5	0.3	80	● from 7 h. K 13 h. o. g.		
4	1012.9	1013.4	85.7	86.1	87	82	1.8	1.8	11.6	11.8	79	79	315	3	135	2	8 0	10 0	2.6	0.9	79	Dull and g. a.		
5	1015.4	1018.2	84.1	85.3	87	84	0.4	1.5	12.5	11.6	95	81	45	4	67	4	10 0	10	—	—	84	d. from 4 h. Fair but g.		
6	1020.0	1020.7	84.1	85.2	89	83	1.7	1.9	10.5	10.8	80	77	23	3	67	3	10 0	10 0	—	1.6	82	Mostly Dull.		
7	1020.3	1019.4	83.2	84.9	89	82	1.9	1.9	9.4	10.7	77	77	45	2	90	3	10 0	9	—	2.6	81	Dull a. Sunny p.		
8	1018.5	1020.5	84.5	86.2	91	81	2.4	2.2	9.8	11.5	72	76	23	3	67	2	8 0	6 0	—	3.0	74	Dull to bright.		
9	1023.9	1025.0	87.1	86.2	95	84	1.4	2.6	13.5	10.8	84	71	337	3	337	3	8 0	2 0	—	7.5	77	Dull early.		
10	1023.6	1028.8	88.2	85.8	95	82	3.1	1.1	11.8	12.8	69	88	337	3	315	4	3 0	10	—	3.5	78	Fine to c. ⊕ 10 h. and 12 h.		
11	1017.5	1014.3	88.5	93.3	96	84	2.8	4.7	12.5	13.9	71	58	315	4	337	3	0	10	6.6	7.0	82	Fine. o. evening. ● midt.		
12	1015.1	1019.5	84.6	83.5	91	84	1.8	4.7	10.6	6.5	78	52	337	3	315	5	10	6	—	3.2	81	● till 7 h. Sunny p.		
13	1018.8	1021.5	86.1	87.8	90	81	4.0	5.3	8.9	8.6	70	50	315	5	270	3	6	10	2.5	6.2	79	Dull to bright.		
14	1018.9	1018.2	85.1	85.7	89	83	0.4	1.6	13.2	11.9	94	81	293	3	293	4	10 0	10 0	1.1	0.4	82	Dull and o.		
15	1018.3	1022.0	87.4	87.2	92	84	3.7	2.7	10.3	11.4	63	71	337	4	337	3	8 0	4	—	8.4	83	Sun and cloud.		
16	1021.4	1019.6	90.7	90.4	95	84	3.5	1.6	13.3	16.6	66	84	247	3	270	2	4 0	10	0.1	3.5	76	Bright a. to o.		
17	1018.9	1017.2	89.9	89.7	94	87	2.2	1.2	14.8	16.4	78	86	247	3	247	3	10 0	10	1.7	2.5	86	Mostly c. o.		
18	1014.6	1008.5	89.1	89.5	92	87	1.8	2.0	14.7	14.7	81	79	180	3	225	2	10 0	9 0	0.3	1.1	85	Mostly o.		
19	1006.4	1006.4	89.4	85.8	93	86	1.7	0.7	15.2	13.4	83	92	203	3	337	3	9 0	10 0	35.9	0.3	85	● from 17 h. 20 m.		
20	1010.9	1017.5	83.1	83.9	87	82	0.7	2.4	11.1	9.4	91	72	315	6	315	4	10 0	2	3.0	0.6	80	● till 15 h. 15 m.		
21	1020.5	1018.5	87.2	86.9	90	82	3.4	0.6	10.5	14.6	65	92	270	4	247	3	8 0	9 0	7.2	6.4	79	Bright a. to o.		
22	1015.2	1016.8	84.1	85.2	90	84	1.1	1.7	11.4	11.3	86	79	315	4	315	4	10 0	10	—	5.8	82	● early. c. at times.		
23	1017.2	1018.9	85.5	86.8	91	84	1.2	1.6	12.4	12.8	86	82	315	5	315	4	10 0	7 0	—	1.6	83	Dull a. Sunny mid-day to o.		
24	1021.4	1021.1	87.8	87.4	90	85	2.1	1.4	13.0	13.7	78	84	337	3	337	2	10 0	10 0	—	—	83	Dull and g.		
25	1022.6	1024.6	87.2	86.9	91	84	2.2	2.2	12.2	12.0	76	76	23	3	67	3	10 0	10 0	—	0.9	80	Dull and g.		
26	1025.3	1021.8	85.3	87.5	95	82	1.8	1.1	11.2	14.3	78	87	157	2	23	2	10 0	6 0	—	3.2	77	Sunny 12 h. -15 h.		
27	1022.4	1021.5	84.8	85.9	88	84	1.8	2.4	10.8	10.9	79	74	67	2	67	3	10 0	10 0	—	—	82	Dull and g.		
28	1022.1	1024.0	85.2	85.2	88	81	2.8	1.3	9.7	11.9	69	84	23	3	67	3	10 0	10 0	—	0.8	77	Mostly o.		
29	1024.6	1023.9	85.2	86.3	91	83	3.0	2.3	9.4	11.5	67	75	23	4	90	3	10 0	10 0	—	2.4	82	Sunny gleams.		
30	1025.1	1024.5	85.6	88.3	94	81	2.4	1.8	10.5	13.9	73	81	45	2	293	2	8 0	5 0	—	5.4	75	Fine and sunny.		
31	1022.7	1018.5	89.1	89.7	83	3.9	3.9	13.2	11.3	63	62	247	3	247	4	3	10	—	8.0	75	Fine and sunny.			
Mean	1017.9	1018.0	86.1	86.6	90.9	83.1	2.1	2.0	11.6	12.1	77	78	3.4	3.1	8.5	8.5	78.6	2.84	80.3					
Mean Pressure at Station Level.	998.1	998.2																						

CAMBRIDGE, a.—JULY 1919.

Heights above Mean Sea Level:—Rain-gauge Site, $H = 12.8$ m.; Barometer, $H_0 = 13.1$ m. Heights above Ground:—Therms., $h_1 = 1.2$ m.
Rain-gauge, $h = 0.30$ m. Lat. $59^{\circ} 12' N.$ Long. $0^{\circ} 8' E.$ Time, Greenwich mean time.

[illegible]

ARMAGH, a.c.d.—JULY 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	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.	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	1009.5	1008.8	88.4	82.1	92	79	2.8	0.7	12.4	10.5	71	92	360	2	1	1	—	14.7	200+	Fine, bright, and clear.		
2	1010.8	1013.2	86.5	85.3	91	80	2.1	1.7	11.8	11.4	76	80	—	1	1	9	1	9.5	75	Fine. c.		
3	1014.5	1017.3	90.2	84.1	91	81	3.2	0.3	13.2	12.6	68	97	—	1	1	5	8	6.4	75	Very fine a. T. showers.		
4	1017.9	1017.3	83.6	83.5	90	81	0.1	0.4	12.5	12.1	99	95	23	2	45	2	100	4	75	Dull after. Fine later.		
5	1017.9	1019.6	85.6	85.4	90	81	1.4	1.1	12.2	12.5	83	87	—	1	1	10	0	6.3	70	o. to fine.		
6	1021.3	1021.7	86.9	85.8	91	80	1.4	0.6	13.2	13.6	83	93	—	0	68	2	9	0	75	o. to fine.		
7	1020.6	1020.0	85.9	86.4	91	82	0.7	0.4	13.5	14.4	91	94	—	1	1	0	10	8	77	o.		
8	1020.6	1023.7	87.6	84.6	93	81	1.5	0.7	13.6	12.4	83	92	—	1	1	9	0	7	77	c. to fine.		
9	1026.1	1027.1	87.2	86.2	94	79	2.5	0.4	11.7	14.3	73	95	—	1	1	1	4	2	77	Very fine.		
10	1025.4	1022.3	87.3	86.6	95	85	1.4	1.1	13.6	13.4	84	87	—	1	1	0	10	10	80	Mostly o. Warm.		
11	1017.3	1015.6	87.8	84.0	n 89	84	0.5	1.1	15.8	11.3	95	87	225	3	—	0	10	4	86	o., with d. at times.		
12	1017.9	1023.7	85.4	81.8	n 89	80	2.6	1.4	10.2	9.2	72	83	—	1	338	2	7	4	89	Showery to fine.		
13	1023.3	1022.0	89.0	84.7	90	80	3.9	0.1	11.1	13.5	n 62	99	—	1	1	0	8	10	76	Bright a. p.		
14	1020.6	1022.0	86.1	85.2	n 89	84	0.6	1.1	14.0	12.2	94	86	338	2	—	1	10	10	84	o.		
15	1022.0	1021.7	86.9	88.6	92	84	1.2	1.1	13.6	15.3	86	88	—	1	1	0	10	10	—	Fair.		
16	1020.3	1018.3	87.0	87.3	92	x 86	1.1	0.7	14.0	14.9	88	92	—	0	1	1	10	5	86	d. at times.		
17	1017.3	1015.2	88.4	87.1	90	85	2.6	1.0	12.6	14.1	73	88	—	1	1	9	10	—	81	Fair. o. shower 20 h.		
18	1008.1	1000.7	88.5	86.7	92	85	1.5	0.1	14.6	15.4	84	99	180	3	202	5	8	10	84	Very wet from 16 h.		
19	1006.1	1011.2	85.6	84.6	n 89	85	1.1	1.1	12.6	11.8	87	87	—	1	1	1	10	8	84	Dull and threatening.		
20	1014.9	1019.3	87.8	84.1	92	81	2.9	1.2	11.6	11.2	70	85	—	1	1	1	6	3	79	Fine.		
21	1018.6	1017.6	87.5	86.4	92	80	1.9	1.0	13.0	13.5	78	88	225	2	—	0	9	10	76	Fine to o. and o.		
22	1017.6	1021.0	88.4	84.7	93	82	3.3	1.4	11.6	11.3	67	82	315	2	360	2	5	6	81	Very fine.		
23	1021.3	1023.0	87.1	86.3	94	84	1.6	1.3	13.2	13.0	82	86	338	2	—	1	10	10	—	Dull to bright.		
24	1023.7	1024.4	87.7	85.2	92	85	1.2	1.2	14.4	12.0	86	86	—	1	360	2	9	6	82	Fine but c.		
25	1025.0	1025.7	89.3	86.8	x 96	84	2.1	0.4	14.3	14.9	78	95	360	2	—	1	4	1	—	Very fine and warm.		
26	1025.0	1023.0	84.6	87.1	90	84	0.2	0.7	13.2	14.7	98	92	—	1	1	1	10	9	—	≡ early. o. all day.		
27	1023.3	1023.0	87.8	86.1	94	82	1.6	1.2	13.7	12.9	82	85	—	1	1	1	6	8	—	Very fine.		
28	1024.0	1025.4	86.7	86.6	91	79	2.1	1.6	12.1	12.6	77	82	—	1	1	1	10	9	—	c. to fine.		
29	1026.4	1025.7	88.2	85.3	x 96	n 78	2.4	0.7	12.6	13.0	74	91	—	1	23	2	2	4	—	Very fine.		
30	1025.4	1023.0	86.3	87.9	x 96	79	1.1	0.8	13.2	15.2	87	91	—	0	—	1	3	0	—	Clearing after ≡.		
31	1016.9	1017.3	88.4	86.3	91	84	1.4	0.5	14.7	14.3	84	94	225	6	—	1	10	10	74	Frequent o. showers.		
Mean	1019.4	1019.6	87.2	85.6	91.8	82.0	1.7	0.9	13.1	13.0	81	90	—	1.4	1.1	7.8	6.2	16.0	5.42	78.5		
Mean Pressure at Station Level.	1011.7	1011.9																				

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—JULY 1919.

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° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

	1009.1	1007.8	85.8	84.1	92	80	2.0	1.7	11.5	10.5	77	80	45	2	45	2	6	—	14.4	77	Fine and sunny.	
2	1010.5	1012.8	86.3	81.3	90	80	2.4	0.6	11.2	10.2	73	93	45	2	—	0	7	—	7.7	78	Sun and cloud.	
3	1013.9	1016.2	89.1	82.8	90	78	2.8	0.8	12.9	10.8	72	90	315	2	—	0	2	—	6.6	75	Sun and cloud.	
4	1016.2	1015.2	84.3	84.3	n 87	81	1.1	0.8	11.5	12.2	87	90	45	2	45	2	10	10	7.6	76	Mostly o.	
5	1017.3	1020.3	84.1	79.1	89	79	0.8	0.1	11.9	9.1	90	88	90	3	—	0	10	0	—	5.1	82	o. to bright.
6	1021.0	1021.3	88.4	84.8	90	n 76	2.8	0.9	12.5	12.2	71	89	90	2	—	0	9	0	—	2.2	72	Mostly c. o.
7	1020.0	1020.0	88.7	81.9	91	78	3.2	0.7	11.9	10.2	67	92	90	1	—	0	6	0	—	7.6	75	Sun and cloud.
8	1020.3	1023.3	87.9	86.4	93	77	1.9	1.1	13.2	13.2	79	87	—	—	—	0	8	0	—	3.6	75	Sun and cloud.
9	1026.4	1026.4	86.6	84.7	x 94	82	2.7	0.8	11.2	12.2	71	90	225	2	—	0	6	0	—	11.5	77	Fine and sunny.
10	1025.7	1023.0	86.9	84.4	92	81	1.3	0.9	13.2	11.9	85	89	—	—	0	0	10	0	—	3.7	77	o. to sunny.
11	1018.6	1015.9	90.4	85.3	93	81	2.3	0.6	14.9	13.2	76	93	225	2	—	0	6	9	4.5	1.7	76	Sun and cloud.
12	1018.6	1024.0	85.3	82.2	89	80	2.7	2.0	10.2	8.8	70	75	270	2	360	2	8	0	—	9.5	77	Fine and sunny.
13	1024.7	1023.3	88.6	84.8	x 94	81	7.9	4.8	1.0	9.8	12.2	n 56	315	3	270	3	6	10	0.5	9.8	75	Fine and sunny.
14	1021.3	1022.0	87.3	86.4	90	84	1.6	2.3	13.5	11.5	82	74	270	3	315	3	10	10	—	—	82	o., with o. showers.
15	1022.3	1022.3	88.2	88.6	91	84	2.3	1.4	12.9	14.9	75	84	225	2	—	0	6	6	—	6.7	81	Sun and cloud.
16	1021.3	1019.3	88.0	85.9	92	x 86	1.8	0.7	13.5	13.5	81	92	315	2	—	0	9	6	0.6	2.4	85	o. early. c.
17	1018.3	1016.2	89.1	85.2	92	85	2.0	0.6	14.2	13.2	79	93	225	2	—	0	8	8	—	1.7	80	o. early. c.
18	1009.8	1001.7	88.6	87.9	91	81	2.4	1.3	13.2	14.2	74	85	225	2	225	2	6	8	0.8	1.6	76	c., with o. showers p.
19	1006.8	1011.2	86.6	83.8	90	84	2.6	1.4	11.2	10.5	72	83	225	2	—	0	6	6	—	1.4	84	c.
20	1015.6	1019.6	88.0	84.9	91	82	3.7	1.2	10.8	11.9	63	85	270	2	270	2	4	4	0.8	7.4	78	Sun and cloud. o. showers p.
21	1019.3	1017.6	86.3	86.2	89	81	1.3	0.6	12.9	14.2	85	94	—	—	0	0	10	10	—	1.0	77	Mostly o.
22	1018.3	1021.0	87.4	85.4	92	82	2.4	2.0	12.2	11.2	74	77	225	2	270	3	5	4	—	9.8	81	o. early to fine.
23	1022.0	1022.7	88.6	88.6	x 94	81	3.7	2.8	11.2	12.5	64	71	225	3	225	2	6	9	—	8.9	77	Sun and cloud.
24	1023.7	1023.3	88.6	85.9	91	x 86	1.7	0.9	14.2	13.2	82	90	—	—	0	0	9	5	—	0.4	81	o.
25	1024.4	1025.0	90.0	84.1	x 94	79	3.1	0.8	13.2	11.9	69	90	—	—	0	0	2	0	—	14.3	74	Fine and sunny.
26	1024.4	1023.0	89.2	86.9	x 94	79	1.8	0.6	14.9	14.6	81	93	225	2	—	0	4	9	—	6.3	74	Sun and cloud.
27	1023.0	1022.7	86.8	81.8	90	82	1.7	0.4	12.9	10.5	81	94	225	2	—	0	10	2	0.3	4.7	83	o. early. o. to fine.
28	1023.3	1025.4	89.1	85.3	90	77	3.3	1.2	12.2	12.2	67	85	315	2	—	0	5	9	—	8.1	77	Sun and cloud.
29	1025.7	1024.7	88.6	81.6	92	n 76	3.1	0.7	11.9	10.2	68	91	45	2	—	0	5	0	—	13.1	72	Fine and sunny.
30	1024.7	1023.7	89.0	84.1	93	n 76	1.6	0.6	14.9	12.2	83	93	—	—	0	0	2	2	—	12.0	n 71	Fine and sunny.
31	1021.3	1018.3	89.7	88.3	x 94	80	3.2	1.3	12.9	14.6	68	85	225	3	270	4	6	9	2.6	2.1	74	c., with o. p.
Mean	1019.6	1019.6	87.8	84.7	91.3	80.7	2.4	1.1	12.5	12.1	75	88	—	—	1.7	0.8	6.5	5.3	28.6	6.00	7.4	
Mean Pressure at Station Level.	1013.7	1013.7																				

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

METEOROLOGICAL OFFICE, LONDON, 1919.

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

METEOROLOGICAL OFFICE, LONDON.
September 12th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—AUGUST 1919.

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

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FORT WILLIAM, INVERNESS-SHIRE, a.c.—AUGUST 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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.		%	%	0-12	0-12	Tenths of Sky covered.		mm.	hr.	a.	
1	1014.2	1013.9	85.6	86.3	88	85	1.1	0.9	12.6	13.6	88	89	225	3	225	3	10	10.0	200+	Dull and showery.
2	1012.8	1014.2	87.1	84.1	88	84	1.5	1.4	13.3	10.9	83	83	225	4	270	4	10	10.0		Dull and showery.
3	1017.3	1017.6	87.4	84.7	91	84	2.9	1.1	11.4	11.7	70	86	315	3	225	1	10	10.0		Dull to fine.
4	1012.2	1012.2	84.1	87.2	91	83	0.8	0.9	11.9	14.4	90	89	225	2	—	0	10	10.0		c., with \equiv and \bullet .
5	1015.9	1017.3	87.7	86.6	94	84	4.2	1.7	9.8	12.5	59	81	—	0	0	7	9	10	0.2	Bright, clear, and sunny.
6	1016.9	1019.3	86.2	85.8	91	85	1.6	2.3	12.4	10.8	82	74	270	2	270	3	9	10	0.5	Generally fine and sunny.
7	1020.6	1022.0	89.6	86.3	90	84	3.4	1.3	12.3	12.9	66	85	225	2	—	0	9	10	2.8	Fair but dull.
8	1019.6	1019.3	87.3	85.8	88	85	0.4	0.6	15.3	13.6	94	93	225	3	225	1	10	10.0	1.5	\bullet and \equiv all day.
9	1019.3	1018.6	87.0	87.1	93	85	0.7	1.4	14.6	13.4	92	84	225	2	—	0	10	10.0		c. at first. Fine after 11 h.
10	1018.9	1022.3	87.6	86.3	94	84	1.8	1.7	13.2	12.4	80	81	225	1	225	2	10	10		Fine and sunny.
11	1022.7	1023.3	90.1	87.4	92	86	2.1	1.0	15.1	14.4	78	88	225	3	225	2	10	10.0		Sunny intervals.
12	1021.3	1017.6	87.4	87.9	91	86	0.5	0.4	15.3	15.9	94	95	225	3	225	2	10	10.0		Dull with \bullet . \equiv most of day.
13	1015.2	1018.3	85.7	85.7	91	85	0.4	2.7	13.7	10.3	94	71	—	0	270	2	10	10.0		\bullet \equiv 13 h. o. to fine.
14	1018.9	1022.0	86.4	84.6	92	83	1.8	1.0	12.3	11.9	80	87	225	2	225	1	10	7		Fine, clear, and sunny.
15	1019.6	1014.9	87.1	88.4	94	82	2.4	1.4	11.8	14.6	74	85	270	1	—	0	10	4		Sultry, fine, and sunny.
16	1010.8	1015.2	88.6	86.4	90	86	0.7	1.1	16.2	13.3	93	87	—	0	225	1	10	7		Dull. Fine after 13 h.
17	1016.6	1004.7	88.1	89.7	92	85	1.0	1.7	15.1	15.4	89	81	225	3	225	6	10	10.0	x 24.1	Fair. \bullet and q. after 14 h.
18	1007.1	1008.8	86.7	85.8	90	84	1.9	1.2	12.2	12.5	78	86	225	4	225	3	9	9	12.2	Unsettled, with \bullet showers.
19	1007.1	1009.1	86.5	84.6	92	83	1.4	1.6	12.8	10.9	83	81	225	3	225	1	8	8	4.1	Fair and sunny. \bullet showers.
20	1005.1	1006.8	86.8	84.1	87	83	1.6	2.3	12.9	9.6	82	73	225	2	315	2	10	6	11.9	Fair at first. \bullet after 12 h.
21	1012.5	1014.5	82.7	83.6	89	81	0.9	1.1	10.5	10.9	89	86	270	3	225	2	5	10.0		Alternate sun and shower.
22	1009.5	1015.9	85.6	83.6	89	81	0.9	1.1	12.9	10.9	89	86	—	0	270	2	10	10.0		Fine and sunny.
23	1016.6	1018.9	85.8	83.0	89	81	2.3	1.2	10.8	10.3	74	85	225	1	—	0	8	2		Fair to fine. \bullet showers.
24	1020.0	1018.3	84.1	82.3	90	77	2.1	1.6	9.9	9.3	76	81	—	0	—	0	10	1		Fine and sunny.
25	1010.5	996.3	85.3	83.6	86	80	3.0	0.6	9.5	11.8	68	93	135	2	45	4	10	1		Threatening forenoon.
26	978.6	985.8	84.1	83.7	85	82	0.6	0.7	12.2	11.7	93	92	45	4	45	3	10	10.0		Dull, with intermittent showers.
27	992.2	1001.3	83.6	82.1	86	82	2.2	1.8	9.3	8.8	74	77	360	3	315	3	10	2		Fair to fine. \bullet showers.
28	1004.0	1002.7	82.4	82.4	87	76	2.8	1.7	8.0	9.3	67	79	—	0	—	0	10	1		Fine and sunny.
29	1003.0	1004.7	83.6	82.4	87	80	2.2	1.7	9.3	9.3	74	79	270	2	315	2	10	10		Dull and showery.
30	1005.7	1008.1	83.4	83.1	86	82	2.1	1.6	9.4	9.8	75	81	315	3	315	3	10	10		Dull and showery.
31	1012.2	1012.8	84.1	81.3	89	79	2.8	1.6	9.0	8.7	69	80	315	1	225	2	7	10		Fine, clear, and sunny.
Mean	1012.2	1012.8	86.1	85.0	89.7	82.8	1.7	1.4	12.1	11.8	81	84	2.0	1.8	9.1	8.2		141.4		
Mean Pressure at Station Level.	1010.8	1011.4																		

DOUGLAS, ISLE OF MAN, a.—AUGUST 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

Time, Local mean time, 20 m. after Greenwich.																							
	1019.6	1020.0	87.2	88.6	90	85	2.5	1.1	11.9	15.2	73	88	270	3	293	2	8	10	—	0.2	85	c. to o.	
2	1017.6 <th>1018.9</th> <th>89.9</th> <th>85.5</th> <th>91</th> <th>85</th> <th>1.1</th> <th>1.9</th> <th>16.9</th> <th>11.2</th> <th>88</th> <th>77</th> <th>270</th> <th>3</th> <th>270</th> <th>3</th> <th>8</th> <th>7</th> <th>—</th> <th>4.3</th> <th>86</th> <th>c. Bright intervals.</th>	1018.9	89.9	85.5	91	85	1.1	1.9	16.9	11.2	88	77	270	3	270	3	8	7	—	4.3	86	c. Bright intervals.	
3	1021.0 <th>1021.0</th> <th>85.9</th> <th>85.0</th> <th>90</th> <th>84</th> <th>2.4</th> <th>1.4</th> <th>10.8</th> <th>11.5</th> <th>73</th> <th>82</th> <th>270</th> <th>4</th> <th>293</th> <th>1</th> <th>8</th> <th>8</th> <th>—</th> <th>5.1</th> <th>84</th> <th>c. Bright intervals.</th>	1021.0	85.9	85.0	90	84	2.4	1.4	10.8	11.5	73	82	270	4	293	1	8	8	—	5.1	84	c. Bright intervals.	
4	1012.5 <th>1012.2</th> <th>85.2</th> <th>85.8</th> <th>89</th> <th>84</th> <th>0.3</th> <th>0.2</th> <th>13.5</th> <th>14.2</th> <th>97</th> <th>98</th> <th>203</th> <th>2</th> <th>315</th> <th>3</th> <th>10.0</th> <th>7</th> <th>2.5</th> <th>0.5</th> <th>82</th> <th>\equiv a. o.</th>	1012.2	85.2	85.8	89	84	0.3	0.2	13.5	14.2	97	98	203	2	315	3	10.0	7	2.5	0.5	82	\equiv a. o.	
5	1016.6 <th>1020.0</th> <th>87.4</th> <th>85.8</th> <th>91</th> <th>85</th> <th>1.3</th> <th>1.7</th> <th>13.9</th> <th>11.9</th> <th>85</th> <th>81</th> <th>315</th> <th>3</th> <th>203</th> <th>1</th> <th>8</th> <th>0</th> <th>0</th> <th>—</th> <th>10.8</th> <th>Fine. \bullet p.</th>	1020.0	87.4	85.8	91	85	1.3	1.7	13.9	11.9	85	81	315	3	203	1	8	0	0	—	10.8	Fine. \bullet p.	
6	1019.6 <th>1021.3</th> <th>86.3</th> <th>84.7</th> <th>91</th> <th>84</th> <th>1.1</th> <th>1.7</th> <th>13.2</th> <th>10.8</th> <th>87</th> <th>80</th> <th>293</th> <th>3</th> <th>315</th> <th>6</th> <th>10</th> <th>0</th> <th>—</th> <th>9.0</th> <th>83</th> <th>o. Fine from 10 h.</th>	1021.3	86.3	84.7	91	84	1.1	1.7	13.2	10.8	87	80	293	3	315	6	10	0	—	9.0	83	o. Fine from 10 h.	
7	1023.3 <th>1024.4</th> <th>86.3</th> <th>85.8</th> <th>91</th> <th>85</th> <th>1.7</th> <th>1.7</th> <th>12.5</th> <th>11.9</th> <th>81</th> <th>81</th> <th>315</th> <th>4</th> <th>315</th> <th>1</th> <th>8</th> <th>0</th> <th>—</th> <th>9.0</th> <th>83</th> <th>c. Fine from 10 h.</th>	1024.4	86.3	85.8	91	85	1.7	1.7	12.5	11.9	81	81	315	4	315	1	8	0	—	9.0	83	c. Fine from 10 h.	
8	1023.0 <th>1021.0</th> <th>86.1</th> <th>87.4</th> <th>92</th> <th>84</th> <th>1.3</th> <th>1.7</th> <th>12.9</th> <th>13.2</th> <th>85</th> <th>81</th> <th>315</th> <th>2</th> <th>315</th> <th>1</th> <th>10.0</th> <th>8</th> <th>0.8</th> <th>9.0</th> <th>83</th> <th>\bullet a. o. to c. \bullet showers 20 h.</th>	1021.0	86.1	87.4	92	84	1.3	1.7	12.9	13.2	85	81	315	2	315	1	10.0	8	0.8	9.0	83	\bullet a. o. to c. \bullet showers 20 h.	
9	1020.3 <th>1020.3</th> <th>91.1</th> <th>86.9</th> <th>94</th> <th>86</th> <th>4.2</th> <th>1.7</th> <th>12.5</th> <th>12.9</th> <th>61</th> <th>81</th> <th>113</th> <th>1</th> <th>—</th> <th>0</th> <th>2</th> <th>0</th> <th>1.8</th> <th>2.0</th> <th>84</th> <th>Very fine. \bullet p.</th>	1020.3	91.1	86.9	94	86	4.2	1.7	12.5	12.9	61	81	113	1	—	0	2	0	1.8	2.0	84	Very fine. \bullet p.	
10	1020.3 <th>1023.7</th> <th>90.9</th> <th>86.9</th> <th>94</th> <th>85</th> <th>1.8</th> <th>1.9</th> <th>16.6</th> <th>12.2</th> <th>81</th> <th>78</th> <th>293</th> <th>1</th> <th>315</th> <th>5</th> <th>7</th> <th>3</th> <th>—</th> <th>4.9</th> <th>84</th> <th>\bullet a. c. Bright intervals.</th>	1023.7	90.9	86.9	94	85	1.8	1.9	16.6	12.2	81	78	293	1	315	5	7	3	—	4.9	84	\bullet a. c. Bright intervals.	
11	1026.1 <th>1026.1</th> <th>89.7</th> <th>87.2</th> <th>94</th> <th>85</th> <th>2.2</th> <th>0.8</th> <th>14.6</th> <th>14.6</th> <th>77</th> <th>90</th> <th>270</th> <th>3</th> <th>247</th> <th>1</th> <th>4</th> <th>0</th> <th>—</th> <th>11.4</th> <th>83</th> <th>Very fine. \bullet p.</th>	1026.1	89.7	87.2	94	85	2.2	0.8	14.6	14.6	77	90	270	3	247	1	4	0	—	11.4	83	Very fine. \bullet p.	
12	1024.4 <th>1023.0</th> <th>91.9</th> <th>89.9</th> <th>95</th> <th>85</th> <th>2.2</th> <th>1.9</th> <th>16.9</th> <th>15.2</th> <th>78</th> <th>79</th> <th>270</th> <th>2</th> <th>293</th> <th>1</th> <th>4</th> <th>10</th> <th>—</th> <th>8.4</th> <th>84</th> <th>\bullet a. Fine to o.</th>	1023.0	91.9	89.9	95	85	2.2	1.9	16.9	15.2	78	79	270	2	293	1	4	10	—	8.4	84	\bullet a. Fine to o.	
13	1019.6 <th>1020.3</th> <th>90.5</th> <th>86.9</th> <th>95</th> <th>87</th> <th>1.4</th> <th>1.4</th> <th>16.9</th> <th>13.2</th> <th>85</th> <th>84</th> <th>247</th> <th>2</th> <th>293</th> <th>1</th> <th>10</th> <th>6</th> <th>2.0</th> <th>2.6</th> <th>87</th> <th>o. c. \bullet 18 h.</th>	1020.3	90.5	86.9	95	87	1.4	1.4	16.9	13.2	85	84	247	2	293	1	10	6	2.0	2.6	87	o. c. \bullet 18 h.	
14	1020.6 <th>1023.7</th> <th>86.1</th> <th>84.1</th> <th>91</th> <th>84</th> <th>0.9</th> <th>1.7</th> <th>13.2</th> <th>10.5</th> <th>89</th> <th>80</th> <th>360</th> <th>2</th> <th>360</th> <th>1</th> <th>4</th> <th>0</th> <th>—</th> <th>10.2</th> <th>84</th> <th>Very fine from 9 h. \bullet midnight.</th>	1023.7	86.1	84.1	91	84	0.9	1.7	13.2	10.5	89	80	360	2	360	1	4	0	—	10.2	84	Very fine from 9 h. \bullet midnight.	
15	1021.3 <th>1016.6</th> <th>89.3</th> <th>89.3</th> <th>91</th> <th>82</th> <th>1.8</th> <th>1.3</th> <th>14.9</th> <th>15.9</th> <th>80</th> <th>86</th> <th>90</th> <th>2</th> <th>67</th> <th>1</th> <th>7</th> <th>8</th> <th>—</th> <th>2.2</th> <th>80</th> <th>\bullet a. c. \bullet p. K. midnight.</th>	1016.6	89.3	89.3	91	82	1.8	1.3	14.9	15.9	80	86	90	2	67	1	7	8	—	2.2	80	\bullet a. c. \bullet p. K. midnight.	
16	1014.5 <th>1018.3</th> <th>89.1</th> <th>88.0</th> <th>95</th> <th>87</th> <th>0.6</th> <th>1.1</th> <th>16.9</th> <th>14.9</th> <th>94</th> <th>88</th> <th>270</th> <th>1</th> <th>90</th> <th>1</th> <th>10</th> <th>8</th> <th>1.3</th> <th>8.7</th> <th>87</th> <th>\equiv c. to fine.</th>	1018.3	89.1	88.0	95	87	0.6	1.1	16.9	14.9	94	88	270	1	90	1	10	8	1.3	8.7	87	\equiv c. to fine.	
17	1021.3 <th>1015.6</th> <th>89.7</th> <th>88.2</th> <th>92</th> <th>87</th> <th>1.7</th> <th>0.7</th> <th>15.6</th> <th>15.6</th> <th>82</th> <th>92</th> <th>225</th> <th>3</th> <th>180</th> <th>5</th> <th>8</th> <th>10</th> <th>8.1</th> <th>5.8</th> <th>85</th> <th>Fine to o. \equiv p.</th>	1015.6	89.7	88.2	92	87	1.7	0.7	15.6	15.6	82	92	225	3	180	5	8	10	8.1	5.8	85	Fine to o. \equiv p.	
18	1014.2 <th>1014.5</th> <th>87.4</th> <th>85.8</th> <th>92</th> <th>86</th> <th>2.8</th> <th>0.6</th> <th>11.5</th> <th>13.5</th> <th>71</th>	1014.5	87.4	85.8	92	86	2.8	0.6	11.5	13.5	71	93	270	3	225	2	6	8	7.1	7.3	85	Fine till 15 h., then c.	
19	1011.2 <th>1012.8</th> <th>88.0</th> <th>86.3</th> <td>91</td> <td>84</td> <td>1.7</td> <td>1.1</td> <td>13.9</td> <td>13.2</td> <td>82</td> <td>87</td> <td>225</td> <td>2</td> <td>225</td> <td>1</td> <td>7</td> <td>10</td> <td>—</td> <td>6.0</td> <td>84</td> <td>\bullet early. c. Bright intervals.</td>	1012.8	88.0	86.3	91	84	1.7	1.1	13.9	13.2	82	87	225	2	225	1	7	10	—	6.0	84	\bullet early. c. Bright intervals.	
20	1008.8	1010.8	87.4	85.5	90	85	1.8	1.9	13.2	11.2	80	77	203	2	293	4	7	0	0.3	7.0	83	Fine to c. q., with \bullet showers.	
21	1017.3	1019.3	85.8	85.8	90	82	2.8	1.1	10.2	12.9	70	87	315	5	225	2	3	8	0.5	10.5	81	Fine till 17 h., then c. \bullet 19 h.	
22	1015.2	1019.3	87.4	84.7	90	85	1.7	0.8	13.2	12.2	81	90	225	8	293	1	8	8	—	0.6	83	\bullet o. and q.	
23	1019.3	1020.0	87.7	84.7	89	84	1.6	1.1	13.9	11.9	82	86	293	3	315	2	8	10	—	1.5	82	c. to o.	
24	1020.6	1018.9	86.3	82.2	89	82	3.2	1.4	10.2	9.5	67	82	337	2	337	1	4	0 <td>2.5</td> <td>10.5</td> <td>81</td> <td>Very fine. \bullet</td>	2.5	10.5	81	Very fine. \bullet	
25	1010.5	994.9	84.1	86.9	87	81	1.1	0.0	11.5	15.9	86	100	113	3	203	2	10.0	10.0	\equiv 20.3	—	80	Continuous \bullet . \equiv at times.	
26	987.5	985.8	87.4	84.1	88	84	0.7	0.3	15.2	12.9	92	97	225	2	270	5	10.0	10.0	7.6	0.9	84	\equiv a. o. \bullet p.	
27	996.3	1004.7	83.0	81.3	87	81	1.7	1.1	9.8	9.5	80	86	270	7	293	1	8	0 <td>—</td> <td>8.9</td> <td>82</td> <td>Fine but q.</td>	—	8.9	82	Fine but q.	
28	1001.3	1000.7	83.6	80.2	85	79	1.7	0.8	10.2	8.8	80	89	90	3	23	2	10.0	10	18.3	—	n.76	\bullet 11 h.—18 h., then \bullet .	
29	1006.1	1009.5	84.1	82.2	86	80	2.6	1.4	9.1	9.5	71	82	315	3	293	3	7	0	0.5	4.0	79	c. Occasional c. \bullet .	
30	1010.8	1010.8	85.2	79.7	87	80	3.2	0.3	9.1	9.5	66	96	315	2	337	1	7	0	2.3	9.0	79	Fine till 14 h. c. \bullet .	
31	1013.5	1016.2	84.7	83.6	87	n.79	3.1	1.1	9.1	10.8	67	86	360	2	225	2	5	8	11.2	10.0	77	\bullet early. Very fine.	
Mean	1015.3	1015.6	87.3	85.4	90.4	83.7	1.9	1.2	13.1	12.5	80	86	—	2.8	—	2.0	7.3	—	5.6	92.2	5.97	82.8	
Mean Pressure at Station Level.	1004.9	1005.3																					
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.—AUGUST 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	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.	a.			millibar.	%	%	m/s.	m/s.	Tenths of Sky covered.		mm.	hr.	a.				
1	1019.3	1020.3	87.8	88.3	93	85	1.7	0.9	13.6	15.4	81	89	248	2	270	2	10	0.9	84	•° showers n. o. •° afternoon.		
2	1018.6	1020.6	88.6	85.2	93	85	0.2	1.3	17.1	11.8	98	85	270	2	—	1	10	0.9	87	•° Fine. c.		
3	1022.0	1021.0	86.7	85.2	90	84	1.6	1.1	12.8	12.2	82	86	—	1	—	1	10	0.9	82	c.		
4	1011.5	1013.5	88.3	87.3	89	84	0.2	0.6	16.9	15.1	97	94	225	3	—	1	10	0.9	83	•° a. o.		
5	1017.9	1020.3	87.9	87.2	95	86	1.2	0.6	14.5	15.1	86	93	—	1	—	1	10	0.9	86	•° a. o.		
6	1020.6	1023.3	87.7	85.2	95	84	1.7	0.6	13.5	13.2	81	93	—	1	—	1	10	0.9	82	c. Brilliant afternoon.		
7	1024.4	1024.0	90.8	89.4	97	83	3.1	0.6	14.1	12.0	70	96	—	1	—	1	10	0.9	82	Fine and clear.		
8	1022.0	1020.6	87.8	88.7	97	84	1.3	0.2	14.3	17.2	85	98	—	1	—	1	10	0.9	79	Very fine and warm.		
9	1019.3	1018.6	92.6	91.3	99	82	3.1	3.3	16.0	14.2	71	68	—	1	0 202	2	0	8	79	•° showers afternoon.		
10	1021.7	1025.0	90.2	87.9	95	86	1.6	0.8	16.1	15.2	83	91	—	0	—	0	9	5	78	Very fine.		
																			84	Fine.		
11	1026.4	1025.4	89.7	89.3	97	84	2.1	0.6	14.9	17.1	78	94	—	1	—	0	3	0	—	82	≡ early. Brilliant afternoon.	
12	1024.0	1022.0	92.4	89.6	96	86	2.8	1.1	16.4	16.6	73	88	—	1	225	2	4	6	—	83	Fine and warm.	
13	1018.6	1020.6	91.6	87.8	96	87	1.6	1.1	17.8	14.6	84	88	225	3	—	0	10	10	5.1	88	c. to o.	
14	1021.7	1022.3	88.2	85.1	94	84	1.3	0.8	14.7	12.6	86	90	—	0	—	1	4	0	—	84	•° n. Fine and clear.	
15	1018.9	1014.2	92.3	89.6	97	84	2.4	0.6	17.0	17.5	77	94	—	1	158	3	1	1	—	81	Very fine.	
16	1013.2	1017.6	92.7	88.8	97	84	1.7	0.0	18.8	17.8	82	100	—	1	—	1	6	8	3.6	86	Fine. Very •° shower 21 h.	
17	1018.9	1008.4	90.9	91.6	96	86	1.5	1.8	17.2	17.3	85	81	225	4	202	7	7	10	7.6	85	Fine to o.	
18	1013.2	1013.2	88.4	86.8	94	84	2.0	1.3	13.6	13.4	79	86	225	3	225	2	2	3	2.0	82	•° n. Fine and clear.	
19	1010.5	1011.5	86.9	87.3	92	85	0.3	0.9	15.1	14.4	96	89	—	1	—	1	10	10	—	85	•° showers afternoon. ▲	
20	1006.4	1012.2	89.2	83.5	91	84	1.9	0.9	14.5	11.1	80	88	202	4	—	1	5	2	9.1	82		
21	1017.6	1017.6	87.1	86.3	91	81	2.6	1.7	11.6	12.3	72	81	—	1	—	1	5	10	2.8	9.9	80	Fine.
22	1014.2	1019.3	87.4	85.7	92	85	0.0	1.2	16.3	12.5	100	86	225	3	—	1	9	10	0.3	4.9	84	q. •° showers.
23	1019.6	1021.0	87.9	84.3	91	84	1.1	0.8	14.8	12.0	88	90	—	1	—	0	10	10	—	0.2	85	Dull. •° showers afternoon.
24	1021.0	1017.6	86.6	85.7	90	81	2.2	2.1	11.7	11.0	75	76	—	1	—	0	4	10	15.2	6.0	79	Fine to o.
25	1006.4	989.8	83.8	86.3	91	83	0.3	0.2	12.3	14.8	95	88	158	4	225	7	10	10	15.2	0.7	83	•° from midnight.
26	987.5	991.2	85.7	82.9	89	82	0.6	1.0	13.6	10.6	94	87	—	1	315	3	10	10	1.0	1.6	84	Dull. •° showers. g. n.
27	1000.0	1004.7	84.8	80.2	89	80	2.8	1.1	9.4	8.6	68	86	315	2	—	0	7	10	1.5	8.5	79	Cool. •° showers.
28	1001.3	1003.0	81.8	81.9	84	79	0.7	0.9	10.3	10.0	92	89	—	1	—	1	10	10	3.6	—	75	Very wet and cold.
29	1008.4	1011.5	83.8	80.6	87	78	1.9	1.2	9.9	8.7	77	84	—	1	—	1	5	1	0.5	9.2	76	•° n. Fine and clear. ▲
30	1010.8	1011.5	84.2	80.7	88	78	2.0	0.7	10.1	9.5	76	92	248	2	—	0	5	0	—	3.6	77	Fine. ⊕ 9 h. c.
31	1012.2	1014.2	83.7	84.6	89	77	1.4	2.7	10.6	9.4	83	69	—	0	225	3	8	10	4.6	2.1	74	c. o. and warm.
Mean	1015.1	1015.3	88.0	86.3	92.7	83.3	1.6	1.2	14.2	13.3	83	84	1.5	1.5	—	—	6.8	6.3	82.3	5.68	82.2	
Mean Pressure at Station Level.	1007.5	1007.7																				

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHOENIX PARK), a.c.—AUGUST 1919.

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° 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 h. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.						
1	1021.3	1021.7	88.0	89.2	92	86	2.6	1.1	12.2	15.9	73	88	0-12	3	6	0.8	•° a. c.	
2	1020.0	1021.7	89.7	86.3	95	86	0.6	2.2	17.6	11.5	94	75	225	3	225	3	10	0.8
3	1023.0	1021.7	86.9	85.3	91	85	3.0	1.2	10.8	12.2	68	85	270	2	—	0	8	0.4
4	1013.9	1013.9	89.7	87.3	91	84	1.4	0.8	15.9	14.9	84	91	225	3	270	2	8	1.5
5	1018.3	1020.3	88.2	85.8	95	86	1.8	0.6	13.9	13.5	81	93	—	0	—	0	8	0
6	1021.3	1023.3	88.8	85.9	95	85	2.3	1.3	13.5	12.5	75	85	225	2	—	0	8	0
7	1025.0	1024.0	89.7	88.1	96	81	3.7	1.4	12.2	14.2	64	85	315	2	—	0	2	6
8	1022.3	1020.3	93.6	84.1	95	84	5.4	0.4	12.9	12.5	54	84	—	0	—	0	6	6
9	1019.6	1020.0	94.1	87.9	95	80	5.0	1.2	14.2	14.6	57	87	—	0	—	0	2	4
10	1021.7	1025.0	90.1	86.6	97	86	1.4	0.7	16.3	14.2	84	92	225	2	—	0	5	0
11	1026.7	1025.7	91.4	86.4	95	83	2.7	0.7	15.6	14.2	74	92	270	2	—	0	4	0
12	1025.0	1023.0	89.7	86.4	96	85	0.4	0.8	17.9	13.9	95	91	225	2	—	0	3	—
13	1020.3	1020.6	92.3	90.6	97	84	2.1	1.9	17.6	15.9	79	80	225	3	225	2	6	3
14	1021.3	1022.7	87.1	87.4	91	86	0.7	3.1	14.9	11.2	92	68	—	0	90	3	10	5
15	1019.3	1014.5	93.6	90.2	97	83	3.7	1.2	15.9	16.9	66	87	315	1	—	0	0	9
16	1014.5	1019.3	93.6	88.3	97	87	3.1	1.8	16.9	13.9	70	80	270	3	—	0	0	6
17	1020.6	1013.2	93.8	91.6	96	86	4.0	2.4	15.6	15.9	64	76	225	4	—	0	7	2
18	1014.9	1014.9	89.1	87.7	95	86	2.8	1.9	12.9	13.2	72	79	270	2	225	5	6	9
19	1011.5	1013.2	89.3	87.3	94	84	2.3	2.3	13.9	12.2	76	76	315	2	—	0	3	3
20	1008.1	1013.5	90.4	84.0	93	82	3.8	1.6	12.5	10.5	63	81	225	2	—	0	3	3
21	1018.9	1019.6	87.0	84.1	91	80	2.9	1.4	11.2	10.8	69	82	270	2	—	0	6	2
22	1016.9	1020.6	88.4	88.0	92	84	1.7	1.6	14.2	13.9	82	83	225	3	225	4	9	10
23	1020.3	1020.6	89.8	86.6	94	86	2.3	1.2	14.2	13.2	76	86	270	2	—	0	8	6
24	1020.6	1017.9	89.1	86.0	90	82	3.8	1.6	11.5	12.2	63	83	—	0	—	0	6	6
25	1006.1	994.6	86.3	88.0	93	84	1.0	1.1	13.5	14.9	88	180	2	180	5	10	0.8	9
26	988.1	992.9	87.1	83.1	89	83	0.7	1.1	14.9	10.5	92	86	270	2	270	5	10	0.8
27	1001.3	1004.0	84.6	80.6	89	79	2.6	0.2	9.5	8.8	71	97	315	3	—	0	7	2
28	993.3	1002.7	83.1	80.7	84	77	0.7	0.7	11.2	9.5	92	92	30	3	90	2	10	0.8
29	1008.8	1012.5	84.2	80.8	88	80	2.3	1.6	9.8	8.5	73	80	360	2	—	0	7	2
30	1012.2	1010.8	83.7	80.7	88	77	1.8	0.2	10.2	8.5	79	97	315	2	—	0	6	0
31	1016.2	1015.9	85.9	84.2	89	74	2.9	1.9	10.2	10.2	69	78	315	2	—	0	8	3
Mean	1016.0	1016.2	89.0	85.9	92.9	83.1	2.4	1.3	13.6	12.7	75	85	1.9	1.1	6.3	4.5	56.2	59.4
Mean Pressure at Station Level.	1010.2	1010.4																

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.
October 22

FORT WILLIAM, INVERNESS-SHIRE, a.c.—SEPTEMBER 1919.

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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.						%	%	0-12		Tenths of Sky covered.		mm.	hr.	a.
	1004.7	1000.7	200+	200+	200+	200+	0.2	0.4	12.4	14.8	98	94	—	0	—	0	100	100	12.2	200+	
1	1004.7	1000.7	83.6	86.8	87	80	0.2	0.4	12.4	14.8	98	94	—	0	—	0	100	100	12.2		
2	999.0	999.0	86.5	86.1	89	85	0.3	0.4	11.4	14.2	96	96	—	0	270	2	100	100	9.1		
3	1003.4	1008.1	85.8	83.4	91	83	0.6	0.8	13.6	11.3	93	89	225	2	—	0	9	10	—	"Muggy," with ☉ and ☽.	
4	1003.4	1003.4	89.7	87.4	90	82	2.9	1.3	13.3	14.0	71	85	180	3	—	0	8	10	—	Dull and showery. Sunny after 10.	
5	1004.0	1004.4	91.3	88.5	94	86	3.2	1.3	14.3	15.0	69	87	225	2	225	4	100	8	4.3	Showers early. Sunny after 10.	
6	1009.1	1014.2	86.2	85.2	89	85	0.5	1.1	14.2	12.2	95	86	225	3	225	4	10	10	9.9	Lowering. ☉ after 12 h. Fair evening.	
7	1018.3	1023.0	86.9	84.7	90	85	3.2	1.7	10.5	10.9	66	80	270	3	225	2	10	10	3.0	Fine at first. ☉ after 18 h. (fog)	
8	1020.0	1017.3	84.6	87.4	87	84	0.4	0.3	12.7	15.7	94	96	225	3	225	2	7	7	2.5	Dull. ☉	
9	1021.3	1021.7	88.4	87.4	91	83	2.6	1.5	12.7	13.5	73	83	225	3	225	2	100	100	22.9	Fine and sunny.	
10	1020.3	1014.9	90.1	89.3	91	87	2.1	2.4	15.1	13.8	78	76	225	3	225	4	8	10	1.5	☉ ☽ ☽ all day.	
																	9	6	1.0	Fine a. Showers after 13 h.	
																				Fine and sunny.	
11	1014.2	1021.3	86.2	81.9	89	82	0.6	0.7	14.0	10.3	93	92	225	3	—	0	100	100	4.1	☉ ☽	

DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1919.

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	1009.8	1004.7	85.2	86.9	87	84	0.0	0.0	14.2	15.9	100	100	180	5	180	5	100	10	ppp	x 28.7	—	82	q. and continuous \odot till 16 h.	
2	1002.0	1003.7	86.9	85.9	89	86	0.6	0.2	14.6	14.6	93	98	247	1	225	2	4	10	ppp	—	6.8	85	\equiv a. Very fine.	
3	1007.1	1007.8	87.8	85.5	89	84	1.5	0.8	13.9	12.9	93	90	157	2	67	1	4	10	ppp	—	11.9	81	\equiv a. and p. Very fine.	
4	1004.4	1007.1	87.2	87.4	90	85	1.4	0.0	13.5	16.3	84	100	135	2	180	3	8	10	ppp	13.5	1.8	82	\odot a. Fine to c. o. 11 h.-13 h.	
5	1009.5	1011.2	83.6	87.4	91	87	0.6	0.0	16.6	16.3	94	100	203	4	180	4	7	10	ppp	—	4.0	86	c. q. Bright intervals.	
6	1014.9	1019.3	83.3	86.1	91	86	1.6	0.8	14.2	13.5	83	90	247	4	247	2	7	10	ppp	0.8	7.4	80	\odot a. Fine. q. at times.	
7	1023.0	1027.1	87.4	83.6	89	84	2.2	1.7	12.5	10.2	76	80	315	5	337	1	3	4	ppp	—	9.4	85	\odot early. Very fine.	
8	1024.7	1024.4	86.9	88.0	89	81	1.1	1.2	13.9	14.6	87	87	247	2	247	6	8	4	ppp	—	1.3	79	a. c.	
9	1026.1	1026.7	89.7	87.4	92	86	2.2	0.6	14.6	15.2	77	93	270	3	247	1	4	10	ppp	—	10.7	85	\odot a. Very fine. o. from 13 h.	
10	1025.7	1021.0	86.3	86.9	89	85	0.6	0.6	14.2	14.6	93	93	225	2	157	1	10	10	ppp	—	0.7	85	\odot a. and p. o. to c. Clear 13 h.	
11	1017.9	1019.6	90.8	85.2	94	85	2.2	1.1	15.6	12.2	77	86	225	2	337	3	4	6	ppp	6.9	8.8	84	\odot a. Very fine. [from 11 h.]	
12	1021.7	1022.3	83.7	83.0	86	82	0.9	0.6	11.2	11.2	88	93	45	4	45	3	10	10	ppp	6.9	—	83	\odot 7 h. o. Continuous \odot .	
13	1023.3	1023.7	84.3	83.7	86	82	1.0	0.2	11.5	12.5	88	98	23	2	67	1	10	10	ppp	1.5	—	82	c. q. showers after 23 h.	
14	1025.0	1026.7	85.5	83.8	87	82	2.5	1.9	10.5	9.8	72	77	45	2	23	2	3	4	ppp	—	7.6	80	\odot early. Very fine.	
15	1030.8	1030.8	85.2	81.3	87	80	2.5	1.1	10.2	9.5	72	86	90	2	45	1	6	4	ppp	—	9.0	77	\odot a. and p. Very fine.	
16	1030.8	1030.1	87.4	84.1	91	81	1.1	0.6	14.2	12.2	87	93	180	1	270	1	38	10	ppp	—	7.2	80	\odot a. Very fine.	
17	1029.8	1026.4	88.6	86.3	91	84	1.2	0.6	15.2	14.2	87	93	225	1	247	1	7	10	ppp	—	5.0	81	\odot a. Fine.	
18	1015.6	1008.1	86.9	84.1	89	84	0.4	1.7	14.9	10.5	95	80	225	3	270	6	10	7	ppp	—	2.8	85	o. to c. q.	
19	1010.5	1010.8	83.3	76.3	84	76	3.1	1.1	8.1	6.4	65	83	315	5	360	5	6	4	ppp	6.1	9.3	78	\odot early. Fine, but q.	
20	1004.7	1004.7	83.0	81.9	85	76	2.8	0.6	8.5	10.5	68	93	315	5	315	6	7	3	ppp	—	6.5	74	\triangle a. q. c. to fine.	
21	1007.4	1005.1	83.0	81.9	85	80	2.8	2.2	8.5	8.1	68	73	360	2	270	2	8	6	ppp	4.3	6.6	78	Very fine till 14 h.	
22	994.6	993.2	83.4	81.9	86	80	2.7	1.5	11.5	9.1	62	81	225	5	337	1	10	10	ppp	6.9	0.2	79	o. q. \odot showers.	
23	1000.0	1007.4	83.0	79.7	85	80	2.8	1.1	8.5	8.1	68	84	337	3	315	1	2	10	ppp	0.5	8.4	77	Very fine. D. p.	
24	1005.1	1004.7	83.6	86.3	87	78	1.4	0.6	10.5	14.2	83	93	203	6	225	5	10	10	ppp	1.5	—	76	\odot 8 h. o. q.	
25	1008.8	1007.4	87.4	86.1	90	85	1.1	0.3	14.2	14.6	87	96	247	7	225	5	8	10	ppp	6.4	2.7	82	c. to o. q.	
26	1001.7	1009.8	84.7	80.8	86	81	1.7	0.6	10.8	9.8	80	93	270	6	293	6	6	10	ppp	3.1	7.0	84	\odot a. q. \odot showers.	
27	1016.6	1020.0	82.6	80.2	84	79	2.1	2.2	8.8	7.1	74	72	293	2	360	1	3	10	ppp	—	9.6	78	Very fine. D. p.	
28	1022.3	1021.7	82.7	81.9	85	77	3.2	1.1	7.8	9.8	64	86	315	2	247	2	0	10	ppp	1.5	8.8	75	D. a. Very fine.	
29	1018.9	1017.5	84.7	84.7	86	80	2.4	0.6	9.8	12.5	73	93	247	5	225	5	7	10	ppp	4.6	2.4	77	c. to o. \odot after 14 h.	
30	1015.6	1007.4	85.5	84.7	86	84	1.9	2.2	11.2	10.2	77	74	203	3	157	3	8	10	ppp	—	5.7	83	c. q. Bright intervals.	
Mean	1014.9	1015.0	85.8	84.1	87.7	82.1	1.7	0.9	12.2	11.9	81	89	3.3	2.9	6.4	6.2	96.0	5.40						
Mean Pressure at Station Level.	1004.6	1004.5																						

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.

ARMAGH, a.c.d.—SEPTEMBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	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.					
1	1005.4	1001.7	84.1	87.2	91	84	0.3	0.7	12.6	14.9	97	92	202	4	225	3	10	10	Damp and o.				
2	1000.0	1001.7	88.6	85.7	92	84	2.0	1.4	13.8	12.1	79	83	18	3	225	3	3	0	0.5	8.1	Fine and warm. • shower		
3	1005.7	1006.1	86.3	83.8	92	84	1.3	0.4	12.9	12.2	85	95	225	2	113	4	6	1	2.5	7.7	82	Fine.	
4	998.6	1003.0	87.5	88.4	95	82	0.7	1.9	15.1	13.7	91	79	135	7	180	6	8	0	0.3	5.2	79	• a. Fine afternoon; warm	
5	1003.7	1008.1	90.4	87.1	94	87	2.4	0.6	14.9	14.9	75	93	180	7	202	4	6	5	4.3	7.6	86	Fine. q., with • showers early	
6	1014.5	1017.6	87.0	86.8	90	85	1.6	1.6	13.8	12.8	82	82	225	2	202	4	7	9	0.5	2.7	85	Dull and threatening. Very fine	
7	1023.7	1026.4	87.8	83.6	92	84	3.1	1.3	11.4	10.7	68	83	—	1	—	1	6	3	0.5	10.8	85	• showers early. • early. c. to fine.	
8	1023.0	1023.0	87.0	88.4	94	82	1.3	1.2	13.4	15.2	85	87	202	4	225	4	9	4	—	2.8	78	Fine and warm.	
9	1025.0	1025.0	89.6	88.6	95	86	1.8	1.1	15.2	15.5	81	88	225	3	225	2	4	3	—	9.0	85	o. to fine and warm.	
10	1023.3	1017.3	87.9	90.7	96	85	1.6	1.8	13.8	16.3	82	81	202	3	180	7	3	0	—	9.2	85		
11	1016.2	1023.0	88.8	83.4	91	83	0.8	0.1	16.2	12.5	92	99	202	2	1	10	10	10	29.2	—	87	o., with • a. • p.	
12	1024.4	1024.4	81.2	82.3	84	81	0.6	1.0	10.0	10.2	93	87	—	1	23	3	10	10	6.1	—	81	• n. and a. o.	
13	1025.0	1025.0	84.1	83.6	86	81	1.4	1.0	10.8	11.2	84	87	45	2	1	10	10	10	—	0.3	81	o., cold, and damp.	
14	1025.7	1028.1	86.1	79.7	87	80	1.9	0.5	11.6	9.1	78	93	—	1	—	0	6	0	—	4.2	77	Fine.	
15	1030.8	1030.5	81.3	81.2	90	75	0.1	2.3	10.8	7.6	100	72	—	1	1	10	10	0	—	6.7	71	• early. Fine.	
16	1030.5	1029.4	82.7	85.8	92	76	0.8	0.8	10.7	13.3	89	91	—	0	202	3	9	0	—	6.2	72	o. to very fine.	
17	1030.1	1024.0	85.7	88.8	92	82	0.6	1.5	13.6	14.9	94	84	—	1	225	2	8	9	0.3	3.7	86	• early. c. Dull n.; warm	
18	1012.5	1011.2	87.3	82.9	90	83	0.3	1.0	15.6	10.6	95	88	225	3	293	2	10	5	0.3	3.3	80	Dull and damp. q.	
19	1015.2	1011.5	82.9	75.9	84	76	2.4	0.3	8.8	7.2	72	06	338	3	—	1	7	10	5.0	6.9	87	q. • showers 21 h. 30 m.	
20	1008.8	1009.5	81.0	78.4	85	75	1.5	0.9	8.7	7.8	82	88	338	3	338	2	7	3	0.5	5.8	72	Cold and q. • showers.	
21	1009.1	1003.7	82.3	80.3	87	76	1.7	0.8	9.1	9.0	79	89	—	1	225	2	1	10	3.8	6.6	73	Fine. g. with • n.	
22	991.5	994.2	84.4	79.4	86	79	0.4	0.4	12.7	8.9	95	94	225	5	—	0	10	1	0.3	0.1	79	• a. o.	
23	1002.4	1007.8	83.6	77.7	86	76	2.4	0.8	9.1	7.4	73	88	—	1	—	1	6	2	0.3	5.6	71	Fine to • showers, then fine	
24	1001.7	1004.4	84.5	86.6	88	77	0.7	0.4	12.3	14.7	91	95	225	7	248	3	4	10	0.8	—	74	o. Drizzling • afternoon.	
25	1008.1	1004.7	87.5	87.6	90	86	0.8	0.7	14.9	15.2	90	92	248	3	225	7	9	10	6.0	—	85	• o. and warm. • shower	
26	1004.4	1013.2	81.9	78.6	88	78	0.7	0.6	10.4	8.3	91	92	293	2	—	1	10	0	2.0	6.3	81	Frequent squalls.	
27	1018.3	1022.0	82.1	77.2	85	76	1.8	0.5	8.8	7.6	77	93	—	1	—	0	1	0	0.8	5.7	74	Fine, but cool.	
28	1023.7	1021.7	80.9	79.7	86	74	1.4	0.3	8.7	9.2	82	95	—	1	248	2	0	0	1.0	6.9	71	Clear and cold.	
29	1015.6	1014.5	82.9	84.0	85	79	1.4	0.4	10.0	12.3	84	94	202	5	202	5	10	10	9.4	—	78	o. • n.	
30	1012.2	1002.7	84.0	83.9	86	83	1.4	1.7	10.8	10.4	83	80	202	5	180	7	10	10	3.3	—	82	o.	
Mean	1014.3	1014.5	85.1	83.6	89.3	80.6	1.3	0.9	12.1	11.5	85	89	2.8	2.7	7.0	4.8	80.4	4.50	79.4				
Mean Pressure at Station Level.	1006.6	1006.8																					

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—SEPTEMBER 1919.

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° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

1	1007.4	1002.7	86.9	84.9	89	82	0.7	3.2	14.6	9.1	92	65	225	3	0	10	10	4.4	—	31	o., with \bullet^2 .	
2	1001.7	1003.0	89.9	84.6	93	84	2.8	0.4	13.9	12.9	72	94	225	2	0	2	2	5.2	7.9	75	\bullet^0 a. Fine. \bullet^2 showers.	
3	1006.1	1005.7	89.7	82.0	91	79	2.7	0.1	13.9	11.2	73	99	—	0	0	4	2	1.6	9.9	71	Fine. \bullet^0 p.	
4	999.6	1004.4	88.2	89.0	95	80	0.6	2.1	15.9	13.9	94	78	—	0	270	2	10	6.0	6.7	72	\bullet^2 a. Fine.	
5	1005.7	1010.5	91.9	88.6	95	88	2.9	1.4	15.6	14.9	72	84	225	3	225	3	5	1.2	9.8	80	Fine.	
6	1016.2	1019.6	88.8	87.4	90	85	1.8	2.2	14.2	12.5	81	76	270	3	—	0	6	—	3.6	80	\bullet^0 early c.	
7	1024.4	1027.1	89.2	80.4	92	80	3.4	0.2	12.2	9.8	66	97	315	2	—	0	6	—	10.3	82	Fine and bright.	
8	1024.7	1025.0	88.8	89.6	92	77	3.0	1.1	12.5	10.6	69	88	270	3	225	2	8	—	—	71	o.	
9	1027.1	1026.1	90.6	88.7	95	88	2.8	0.9	14.2	15.9	72	91	225	2	—	0	7	—	8.0	82	Fine. \bullet^0 p.	
10	1024.0	1019.3	91.4	87.3	98	81	2.9	1.3	14.9	13.9	72	84	—	0	225	2	0	—	11.2	74	Fine. \bullet^0 p.	
11	1016.6	1021.7	92.7	87.8	97	87	2.2	2.9	17.6	11.9	78	70	—	0	—	0	7	10	0.8	2.7	77	c. \bullet^0 17 h. - 21 h.
12	1021.7	1023.3	84.1	87.2	86	82	2.3	3.3	9.5	10.5	73	66	90	3	—	0	9	10	3.0	—	77	o., with \bullet^0 .
13	1023.0	1023.3	84.2	86.8	86	81	0.6	2.4	12.2	11.5	93	73	90	2	—	0	10	10	—	—	77	o., with \bullet^0 .
14	1024.7	1026.7	86.3	79.7	90	80	1.9	0.1	12.2	9.5	79	88	45	2	—	0	6	0	—	—	77	o., with \bullet^0 .
15	1029.8	1031.1	86.0	84.1	90	77	1.8	4.1	11.9	7.4	80	95	90	1	—	0	7	0	5.5	7.7	77	Fine. \bullet^0 p.
16	1030.5	1029.8	86.7	82.9	91	76	1.2	0.3	13.2	11.5	85	95	—	0	—	0	0	0	7.5	6.9	77	Fine. \equiv^0 n.
17	1029.8	1025.0	88.8	90.0	91	78	1.7	2.1	14.6	14.9	82	78	—	0	—	0	8	0	4.1	7.1	71	c. \bullet^0 p.
18	1016.2	1012.5	88.4	84.3	92	79	1.2	3.1	15.2	8.8	87	86	225	2	—	0	10	0	4.5	7.1	71	c. \bullet^0 p.
19	1015.2	1011.5	83.6	80.6	86	80	2.8	3.2	8.8	6.4	68	63	315	4	—	0	6	10	1.5	8.0	71	Fine.
20	1009.5	1010.1	82.9	78.1	85	75	2.3	0.8	8.8	7.8	73	89	360	5	45	4	5	0	0.3	7.7	69	Fine. * 13 h. 45 m. - 14 h. 15 m.
21	1009.8	1006.1	84.2	79.7	86	76	2.6	0.7	9.5	8.8	71	90	315	2	—	0	5	0	2.6	4.7	69	c.
22	994.6	992.9	85.9	83.3	87	76	1.2	1.7	12.5	9.8	86	80	270	3	—	0	9	10	3.2	0.3	74	o., with \bullet^2 .
23	1002.4	1008.4	83.6	77.9	87	76	2.1	0.4	9.5	8.1	75	94	45	2	—	0	1	10	7.1	6.9	69	\bullet^2 early. Fine.
24	1005.1	1007.1	84.7	87.2	89	74	1.3	0.6	11.5	15.2	84	93	225	4	225	7	10	10	—	—	67	o.
25	1010.8	1007.4	88.4	87.8	89	84	1.7	1.3	14.2	14.2	82	85	225	4	270	3	9	6	3.7	2.9	80	c.
26	1005.7	1014.2	85.3	79.7	90	79	2.1	0.7	10.8	8.8	75	90	270	4	270	3	8	3	—	8.1	79	Fine
27	1018.3	1021.3	82.8	77.8	87	77	1.7	0.4	9.5	8.1	80	93	—	0	—	0	6	0	0.5	7.2	71	Fine. \bullet^2 showers p.
28	1023.7	1022.7	83.6	80.2	86	79	2.3	1.1	9.1	8.5	73	85	315	2	—	0	1	0	—	9.7	76	Fine.
29	1018.6	1016.9	85.1	85.6	86	79	2.2	3.3	10.5	9.5	75	65	225	4	225	5	5	0	2.9	2.1	71	c.
30	1013.5	1003.7	86.3	85.7	86	79	2.9	1.2	10.5	12.5	69	86	225	3	225	4	8	0	3.5	0.4	71	c.
Mean	1015.2	1015.3	86.9	84.3	89.9	79.7	2.1	1.6	12.5	11.1	78	82	2.2	1.2	6.3	3.0	50.4	5.13	73.9			
Mean Pressure at Station Level.	1009.3	1009.4																				

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

METEOROLOGICAL OFFICE, LONDON.

FORT WILLIAM, INVERNESS-SHIRE, a.c.—OCTOBER 1919.

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° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Time, Greenwich mean time.																				
Day.	Air Pressure at Mean Sea Level.		Air Temperature in Degrees Absolute.				Humidity.			Wind.		Cloud Amount and Weather.		Rain 24 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	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	994.2	993.9	200.4	200.4	200.4	200.4	3.5	0.6	8.6	10.9	62	93	135	5	225	3	7	9	7.1	g. ∞. Showers. q.
2	1004.7	1015.6	84.8	82.4	86	82	2.1	1.6	9.1	8.7	75	80	270	3	0	7	9	7	1.3	Fair to fine. Showers.
3	1021.0	1021.0	83.6	87.4	87	79	0.5	2.2	11.9	12.4	94	76	10	0	225	4	100	10	3.8	Dull. Showery.
4	1022.3	1025.4	85.8	86.6	88	85	0.4	0.3	14.0	14.9	95	96	225	3	225	3	100	10	6.1	☉ or ☽ all day.
5	1026.4	1025.7	86.9	86.4	88	86	0.6	0.4	14.7	14.6	93	95	225	2	225	2	100	10	3.3	☉ or ☽ all day.
6	1025.7	1035.2	85.8	78.8	88	78	0.6	1.4	13.6	7.4	93	81	10	0	45	3	100	10	—	☉ early. Very fine after 12 h.
7	1035.9	1032.8	77.4	83.8	89	75	1.1	0.9	7.0	11.4	84	89	10	0	1	10	100	10	—	☉ early. Very fine after 12 h.
8	1031.5	1034.5	84.1	79.8	88	79	0.7	2.4	12.1	6.8	92	69	10	0	45	3	10	10	—	☉ early. Very fine after 12 h.
9	1036.0	1033.2	77.6	77.5	83	75	1.2	1.7	7.0	6.4	83	76	45	1	90	2	6	4	0.5	☉ early. Very fine after 12 h.
10	1023.7	1019.3	80.2	83.0	87	76	0.6	1.7	9.3	9.7	92	80	225	1	315	2	10	9	—	☉ early. Very fine after 12 h.
11	1018.3	1012.2	80.2	80.1	83	76	2.2	1.6	7.2	7.9	72	79	10	0	0	10	10	0.3	—	Fine and sunny.
12	1005.4	1001.3	80.1	76.3	81	76	2.6	1.7	6.7	5.9	67	75	360	4	10	3	10	0.8	—	Passing snow on hills.
13	999.6	1004.7	79.1	76.9	81	76	1.7	0.7	7.3	7.2	78	90	10	0	0	9	3	0.3	—	Cold. ☉. Snowing on hills.
14	1007.4	1012.5	76.3	74.7	82	74	1.1	1.1	6.4	5.5	83	80	90	1	90	2	1	0.3	—	Mostly fine. Snowing on hills.
15	1013.5	1020.3	75.8	76.3	80	74	0.4	1.1	6.9	6.4	83	83	10	0	90	1	8	3	5.1	☉ early. Very fine after 12 h.
16	1027.1	1027.1	78.6	80.6	83	75	1.7	0.9	7.0	9.1	78	88	10	0	270	2	9	2	0.3	☉ early. Very fine after 12 h.
17	1026.4	1027.7	83.6	83.0	86	80	0.7	0.4	11.5	11.5	91	94	225	2	225	2	10	6	11.2	Dull. c. Rain n.
18	1027.1	1028.8	83.3	83.0	84	82	0.8	0.1	11.1	12.1	89	99	225	3	225	2	10	6	2.5	Dull and showery.
19	1029.1	1026.7	82.9	85.1	86	82	1.0	1.6	10.6	11.4	87	81	225	2	225	4	10	9	12.2	☉, with some ☽.
20	1022.7	1024.7	84.9	84.7	86	84	1.9	0.3	10.7	13.2	77	97	225	4	10	10	10	9	—	Dull but fair.
21	1025.0	1023.0	85.8	84.7	87	85	0.6	1.3	13.6	11.5	93	84	225	1	225	3	10	4.1	—	Dull. ☉ after 11 h.
22	1019.3	1015.2	84.1	85.5	86	84	0.6	0.7	12.2	13.2	92	92	225	3	225	3	10	0.5	—	Mostly dull.
23	1015.2	1022.0	82.0	78.4	86	78	0.7	2.1	10.4	6.5	92	73	45	5	45	4	10	21.8	—	☉ early. Fair after 12 h.
24	1024.7	1026.4	78.4	77.2	81	76	1.7	1.4	7.0	6.5	79	80	45	3	90	2	4	1	—	Fair to fine.
25	1029.1	1027.1	78.9	80.6	81	76	0.9	2.1	4.8	7.6	79	73	10	0	315	2	0	100	0.5	☉ early. Fair after 12 h.
26	1027.1	1026.4	78.6	78.0	81	76	2.8	1.7	5.9	6.6	66	77	315	4	10	10	8	1	—	Fine. v. ☉ after 18 h.
27	1026.7	1026.1	77.4	76.3	80	75	2.2	2.0	5.9	5.5	69	71	45	4	45	3	1	10	—	Fair to fine, showers in evening.
28	1022.7	1023.3	75.2	77.0	80	74	0.7	1.8	6.4	6.1	88	75	10	0	90	2	8	4	—	Dry, fine, but chilly.
29	1025.4	1025.7	74.8	75.9	79	74	1.2	1.2	5.6	6.1	88	81	45	3	90	1	1	6	—	Dry, dry, sunny.
30	1026.7	1032.2	77.9	77.4	82	75	1.2	1.3	7.1	6.9	83	82	45	4	90	2	6	1	—	Fine, dry, sunny. v.
31	1035.2	1035.9	77.4	78.4	80	75	1.1	1.1	7.0	7.6	84	85	45	2	45	3	9	10	—	Fine, clear, sunny.
Mean	1021.8	1022.8	80.6	80.6	84.1	78.0	1.3	1.3	9.0	9.0	83	83	1.9	1.9	7.4	6.6	82.0	—	—	—
Mean Pressure at Station Level.	1020.4	1021.4																		

DOUGLAS, ISLE OF MAN, a.—OCTOBER 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

Time, Local mean time, 20 m. after Greenwich.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3

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.—OCTOBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	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.	a.			millibar.		%	%	m/s.	°	m/s.	Tenths of Sky covered.		mm.	hr.	a.		
1	992.2	998.6	84.3	79.9	87	80	0.5	0.8	12.5	8.8	94	89	180	7	1	100	0	4.8	1.9	81	• showers. ▲ 14 h. W 21 h.	
2	1010.5	1020.3	83.0	80.2	89	78	1.4	0.6	10.0	9.2	82	91	1	1	1	7	0	—	8.2	75	Fine.	
3	1024.0	1023.7	84.3	86.4	89	78	0.7	0.9	12.1	13.5	91	88	202	3	202	4	10	0	0.5	76	Dull and mild.	
4	1025.0	1027.1	86.9	88.6	90	85	1.1	0.8	13.8	16.0	88	91	202	5	1	10	10	0	—	85	o. and very warm.	
5	1027.7	1027.7	88.6	88.3	90	86	0.6	0.3	16.4	16.8	93	97	202	2	225	2	10	10	0	83	o. and warm.	
6	1027.7	1033.2	87.4	82.3	89	82	0.2	1.2	16.0	9.9	98	85	225	2	1	10	10	0	0.5	81	Dull. Drizzling •.	
7	1034.5	1033.8	85.1	84.6	87	82	0.9	0.7	12.5	12.3	98	91	1	1	1	10	8=	0	0.1	87	o. most of day.	
8	1033.2	1033.5	86.8	80.4	89	80	1.6	0.7	12.9	9.2	82	91	1	0	360	2	3	0	—	2.9	85	c. Brilliant n.
9	1036.6	1033.8	80.4	79.3	84	77	1.3	1.2	8.5	8.0	84	84	1	1	1	2	9	0	0.5	4.2	73	c. and cold. D.
10	1028.4	1021.0	80.8	82.1	86	79	0.6	0.4	9.7	10.8	93	94	1	1	1	10	7	9	0.8	—	76	• a. o.
11	1017.6	1013.9	82.4	79.6	85	80	0.2	0.4	11.4	9.1	98	94	1	0	0	10	10	9.9	2.0	76	Dull and damp. c.	
12	1007.8	1005.4	80.6	75.2	83	75	0.7	0.4	9.4	6.6	91	93	1	0	1	10	2	1.0	2.1	78	c. and cold.	
13	1003.0	1007.8	80.1	77.9	83	75	1.5	0.7	8.0	7.7	80	90	1	1	1	1	4	1.0	5.8	78	Fine a. • showers. T 13 h.	
14	1009.8	1015.9	78.6	74.4	83	74	1.3	0.4	7.4	6.3	82	94	1	1	1	0	2	0	0.5	73	Fine. T ▲ showers after.	
15	1017.6	1023.7	79.6	76.9	83	73	1.1	1.1	8.2	6.8	85	85	1	1	1	8	0	0.5	5.3	69	Fine to • showers after.	
16	1030.5	1031.8	81.1	78.5	85	74	2.3	0.8	7.6	8.0	87	89	1	0	1	0	10	—	0.7	60	Fine to c. and o.	
17	1031.8	1031.1	82.3	81.7	86	79	0.4	0.6	11.0	10.3	95	93	225	2	225	2	10	5	—	77	Dull and mild.	
18	1030.8	1031.1	83.5	81.8	86	81	2.2	1.4	9.3	9.1	74	81	225	4	202	3	8	8	—	1.2	79	c.
19	1030.1	1028.1	83.9	84.4	89	80	1.1	1.8	11.2	10.5	86	78	202	4	202	4	9	7	0.3	4.4	78	c. ⊕ 9 h.
20	1025.0	1026.1	83.9	84.9	88	84	1.5	0.8	10.6	12.5	82	90	202	7	202	4	10	7	1.0	1.1	82	• a. c.
21	1026.7	1023.3	85.1	84.4	90	84	0.7	0.6	12.9	12.4	91	92	202	3	202	3	6	6	—	4.7	84	Fine and mild.
22	1020.3	1016.9	84.8	86.0	88	82	1.2	0.4	11.7	14.2	85	96	202	6	202	7	10	10	10.2	—	81	o. and warm.
23	1014.9	1017.9	85.7	81.0	86	81	0.1	0.4	14.5	10.1	99	95	1	360	3	10	10	5.6	—	85	≡ and drizzling •.	
24	1021.7	1025.0	79.2	76.7	82	76	1.3	0.7	7.6	7.1	81	90	23	3	1	3	0	—	6.6	77	Fine, but cold.	
25	1029.8	1030.8	78.6	78.2	84	74	1.7	0.4	7.0	8.3	78	95	1	1	1	0	2	—	7.0	68	Fine and frosty.	
26	1030.8	1029.1	79.9	76.3	82	75	1.4	0.6	8.1	7.0	81	90	360	2	338	2	10	0	—	7.7	70	Fine.
27	1027.1	1026.1	78.9	76.3	81	75	1.7	1.0	7.1	6.5	77	85	338	2	360	2	10	9	—	5.9	72	Fine to • showers.
28	1022.3	1022.0	77.4	73.7	81	74	1.1	0.6	7.1	5.7	85	88	1	360	2	3	6	—	8.9	68	Fine and frosty.	
29	1023.3	1022.3	75.2	76.0	81	70	1.7	0.4	5.3	7.1	87	93	1	1	1	1	8	—	4.3	n 66	c.	
30	1023.0	1028.4	80.1	80.7	82	75	1.3	1.4	8.2	8.6	82	82	23	2	45	3	4	10	1.0	1.7	70	c. • afternoon. o. n.
31	1033.5	1034.5	76.3	77.4	81	73	0.3	0.7	7.3	7.5	95	91	1	0	0	5	10	—	3.0	68	c. to o.	
Mean	1023.1	1024.0	82.1	80.4	85.4	78.1	1.1	0.7	10.2	9.6	86	90	2.1	1.8	6.2	6.2	37.9	3.35	76.2			
Mean Pressure at Station Level.	1015.3	1016.1																				

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (DUBLIN DOCK) 1893. — OBSERVATIONS 1893.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—OCTOBER 1919.

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° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

		0-12		0-12																			
1	993.5	1000.3	84.0	80.3	89	79	0.4	0.6	12.2	9.5	94	93	225	2	225	2	10.0	2	1.2	3.3	7.1	c.	• ² p.
2	1011.8	1019.3	83.7	78.9	88	79	1.8	2.3	10.2	6.4	79	93	315	3	225	2	10.0	2	2.2	7.9	7.2	Fine.	• ² showers p.
3	1025.4	1025.0	85.7	86.6	90	76	1.0	1.4	12.9	12.9	88	84	225	2	225	4	9	0	—	4.7	6.9	Fine.	
4	1026.1	1027.4	89.1	87.7	90	86	2.1	1.2	14.2	14.2	78	86	225	2	—	0	6	0	—	1.4	7.7	c.	
5	1028.8	1028.1	88.3	87.4	92	82	0.4	0.2	16.6	15.9	95	97	—	0	0	0	10	5	—	—	7.6	c.	
6	1028.1	1030.1	88.7	87.4	92	82	0.3	0.4	16.9	13.5	97	95	—	0	0	0	10	10.0	—	—	7.6	c.	
7	1033.2	1032.8	85.3	85.2	87	85	0.1	0.4	14.2	13.2	99	94	45	1	0	0	10.0	10.0	2.3	2.7	8.3	c.	
8	1032.8	1032.5	85.4	84.8	91	80	0.6	0.8	13.5	12.5	94	91	360	1	360	1	6	2	—	0.5	8.0	c.	
9	1035.2	1033.8	82.4	82.1	87	79	2.6	1.2	8.8	9.8	75	84	45	2	—	0	8	2	—	4.7	7.3	Fine.	
10	1028.4	1020.3	81.0	83.2	85	77	0.7	0.7	9.8	11.5	91	91	315	1	45	3	10	3	—	5.3	7.2	Fine.	
11	1017.6	1013.9	83.4	83.3	86	78	1.1	1.2	10.8	10.5	87	85	45	2	—	0	9	6	8.1	—	7.4	c.	• ² showers p.
12	1007.8	1006.1	81.8	77.3	84	77	0.9	1.0	9.8	7.1	88	86	360	2	360	2	6	0	—	2.1	7.4	o.	
13	1004.4	1008.1	80.3	77.3	84	74	1.4	0.3	8.1	7.8	81	96	360	4	360	3	5	0	—	8.6	6.9	Fine.	
14	1010.8	1014.2	79.6	74.4	83	74	1.3	0.2	7.8	6.4	81	96	315	3	315	2	2	0	—	8.5	7.0	Fine.	
15	1018.9	1024.4	80.3	76.9	84	72	1.3	0.3	8.5	7.8	83	95	315	2	225	3	3	0	0.2	5.4	6.6	Fine.	• ¹⁸ h.
16	1030.8	1032.5	78.7	76.9	85	77	1.3	0.2	7.4	7.8	83	97	315	1	—	0	2	0	—	8.7	6.5	Fine.	
17	1032.5	1031.8	84.1	83.0	86	76	1.2	0.9	11.2	10.8	85	89	315	2	—	0	6	10	—	8.3	6.8	c.	
18	1032.2	1031.8	84.1	81.2	87	77	2.1	0.4	9.8	10.2	75	94	—	0	—	0	9	6	—	3.3	7.1	c.	
19	1031.1	1028.8	85.8	80.2	90	78	1.7	0.8	11.9	9.1	81	89	225	1	—	0	9	3	—	0.8	7.1	o.	
20	1026.4	1027.7	85.1	84.0	89	79	2.6	0.9	9.8	11.5	71	88	45	1	—	0	10	10	—	0.1	7.2	o.	— p.
21	1026.7	1024.7	84.2	78.6	91	79	0.7	0.2	12.2	8.8	91	97	—	0	—	0	0	0	—	5.9	7.2	Fine.	
22	1022.0	1017.6	84.1	85.3	90	77	0.6	0.6	12.2	13.2	93	93	—	0	—	0	6	9.0	5.4	3.8	7.0	c.	
23	1015.9	1015.6	86.3	81.9	87	81	0.6	0.4	14.2	10.5	92	94	225	1	225	2	9.0	10.0	2.5	—	8.0	o., with •.	
24	1018.9	1022.7	79.8	79.0	82	79	0.6	1.3	9.1	7.8	83	82	90	3	360	3	10.0	8	2.3	—	7.6	• ² a. o.	
25	1028.1	1030.5	80.3	76.1	82	75	1.7	0.4	8.1	7.1	78	93	360	3	—	0	6	0	—	7.0	7.3	• 2 h. Fine.	
26	1030.1	1029.1	80.3	76.3	83	74	1.8	1.0	7.8	6.4	77	85	315	2	—	0	4	0	—	7.0	6.7	Fine.	
27	1026.7	1025.7	78.7	73.9	82	72	1.6	0.6	7.1	5.8	80	89	360	3	—	0	2	0	—	6.2	6.6	Fine.	
28	1022.0	1021.0	77.2	74.1	80	71	1.1	1.0	6.8	5.4	84	81	45	2	45	2	0	0	—	7.8	7.4	Fine.	
29	1022.0	1020.0	77.8	79.8	81	73	1.6	1.3	6.8	8.1	78	82	135	2	225	2	1	1	—	5.4	6.6	Fine.	
30	1021.0	1026.1	80.8	79.4	84	76	0.8	0.3	9.5	9.1	90	95	315	2	—	0	10.0	10.0	3.1	0.9	7.4	o. most of day.	
31	1031.1	1032.8	80.2	78.6	82	77	1.6	0.4	8.1	8.5	79	94	90	1	—	0	7	9.0	2.7	2.6	7.1	c., with • ² showers.	
Mean	1023.2	1023.7	82.8	80.6	86.3	77.3	1.2	0.7	10.5	9.7	85	90	1.6	1.0	6.4	3.7	52.7	3.7	1.1	7.7			
Mean Pressure at Station Level.	1017.3	1017.7																					
x denotes the maximum and n the minimum value in the column.																							
METEOROLOGICAL OFFICE, LONDON.																							
10th 1919.																							

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

METEOROLOGICAL OFFICE, LONDON.
December 12th, 1919.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—NOVEMBER 1919.

Heights above Mean Sea Level :—Rain-gauge Site, H = 48.8 m.; Barometer, H_b = 50.3 m. Heights above Ground :—Therms., h_t = 1.2 m. Rain-gauge, h_r = 1.2 m. Cups of Anemometer, h_a = 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.
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FORT WILLIAM, INVERNESS-SHIRE, a.c.—NOVEMBER 1919.

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.

[illegible]

DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1919.

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	1034.5	1034.5	79.7	77.4	81	77	2.6	1.7	6.4	6.4	67	76	67	3	45	3	1	0.1	0.8	8.0	75	Very fine.
2	1030.5	1024.0	78.6	78.3	81	76	1.1	0.8	7.8	7.8	85	88	23	2	45	2	8	0.3	5.2	73	early. Fine.	
3	1020.6	1016.2	78.0	78.0	80	77	1.1	1.1	7.4	7.4	84	84	23	3	45	2	8	—	0.2	75	Dull and c.	
4	1011.8	1008.4	78.6	77.7	79	77	1.4	1.2	7.4	7.1	82	82	90	2	135	3	10	10	1.5	76	Dull, with showers.	
5	1008.1	1005.7	78.6	79.1	80	77	0.8	1.4	8.1	7.8	89	81	157	3	90	2	10	10	—	0.2	75	Mostly o.
6	1002.4	1002.4	78.6	78.0	80	77	1.3	1.1	7.4	7.4	82	84	45	2	45	2	10	8	—	—	76	o.
7	1002.4	1001.7	78.0	77.4	79	77	1.4	1.1	7.1	7.1	81	84	45	2	45	1	10	10	—	—	76	o.
8	1002.4	1002.4	76.3	75.2	79	74	0.6	0.4	7.1	6.8	91	83	337	1	360	1	8	8	1.3	0.1	76	° a. o. (sleet) after
9	1004.7	1008.1	77.7	77.4	79	74	1.4	2.2	6.8	5.8	80	69	113	2	67	3	8	3	0.5	0.3	71	° a. c.
10	1012.8	1016.2	76.9	74.1	78	74	1.7	1.1	6.1	5.4	77	79	45	6	23	2	7	3	—	4.8	75	Fine but q. p.
11	1015.2	1015.9	76.6	73.0	77	72	2.1	1.7	5.8	4.1	71	n 65	23	3	360	1	2	0.1	0.5	6.7	70	and p. Bright and cold.
12	1007.4	1008.1	75.8	74.1	77	n 70	0.6	1.1	6.8	5.4	91	79	247	3	360	3	7	10	1.3	—	67	* 7 h. 30 m. showers.
13	1013.9	1014.9	74.4	73.0	77	73	0.9	0.8	5.1	84	81	23	2	45	1	4	—	0.3	—	71	° a. c. Bright.	
14	1014.9	1016.0	74.3	73.6	77	71	0.7	1.1	5.8	5.1	86	78	337	1	23	2	4	0.1	0.3	5.8	67	° a. c. Occasional showers.
15	1016.6	1021.7	75.2	73.3	77	72	1.1	1.4	6.1	4.4	82	72	23	2	360	1	3	0.1	0.5	2.7	70	° a. c. Bright.
16	1023.7	1020.3	75.9	79.7	80	n 70	1.3	0.1	6.1	9.5	81	98	270	2	270	1	3	10	14.0	n 66	73	° a. o. showers.
17	1017.9	1006.8	82.7	82.4	84	80	0.4	0.3	11.5	11.5	95	97	270	6	270	6	10	4	17.8	—	73	q., with continuous o.
18	1014.5	1012.2	79.7	81.6	83	78	1.7	1.4	7.4	9.1	77	82	247	5	247	5	2	10	1.3	5.4	76	Fine, but q. 17 h.
19	1001.7	998.3	81.9	79.2	82	79	0.7	1.6	10.2	7.4	92	79	247	6	270	8	8	6	1.5	3.2	78	c. q. p.
20	996.3	1004.7	77.4	77.4	80	75	1.9	1.7	6.1	6.4	73	76	247	6	293	8	6	4	8.9	3.3	75	c. q. showers. 15 to 16 h.
21	1009.1	1012.2	78.0	76.3	79	75	1.7	1.1	6.8	6.4	77	83	270	5	360	1	7	4	1.0	0.4	72	° a. c. q., with showers.
22	1006.4	1008.1	83.0	84.3	n 85	76	1.1	0.2	10.5	12.9	86	98	270	8	270	5	6	10	0.5	—	72	early. o. after 13 h.
23	1005.1	992.9	84.9	83.8	n 84	0.3	0.3	13.5	12.5	96	96	225	4	203	8	10	—	10	4.6	—	81	° a. o. q.
24	1003.0	993.9	80.2	78.0	84	77	1.7	0.6	7.8	8.1	78	92	247	6	270	4	7	8	5.6	1.5	76	c. q. showers 19 h.
25	989.5	991.2	78.3	77.4	79	76	0.9	1.7	7.8	6.4	87	76	247	4	293	2	7	7	5.1	0.8	74	c. q. 14 h.
26	997.3	1000.3	76.6	75.8	79	75	1.4	1.1	6.4	6.1	80	83	23	4	360	2	7	0.1	—	4.3	72	early. c. q. to bright.
27	1001.3	999.6	77.4	75.2	79	75	1.7	1.1	6.4	6.1	76	82	45	4	45	2	2	—	—	6.0	72	° a. and p. q. a. Bright.
28	1000.0	1002.7	75.8	75.8	78	75	0.6	1.1	6.8	6.1	91	83	113	2	67	2	10	3	—	0.7	72	° a., mostly o.
29	1004.0	1008.4	75.2	74.1	n 76	73	0.6	0.3	6.4	6.4	91	95	113	1	315	1	10	2	—	—	70	° a. and p. o.
30	1011.5	1002.7	78.3	80.5	81	72	1.4	0.3	7.1	9.8	81	96	180	3	157	7	10	10	2	6.6	69	° a. o. after 16 h.
Mean	1009.3	1008.4	78.1	77.4	79.8	75.3	1.2	1.0	7.4	7.3	83	84	3.4	3.0	7.1	5.3	73.9	2.23	73.0			
Mean Pressure at Station Level.	998.7	997.6																				

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.—NOVEMBER 1919.

Heights above Mean Sea Level:—Rain-gauge Site, $H = 160.0$ m.; Barometer, $H_0 = 165.2$ 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, $h_r = 0.5$ 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
millibar.		α .	α .	α .	α .	millibar.				$\%$	$\%$	$0-12$	$0-12$	Tenths of Sky covered.		mm.	hr.	α .					
1	1030'3	1030'8	76'2	76'3	79	75	0'9	0'6	6'5	7'1	85	92	45	4	45	4	9	10	0'8	0'4	71	o., with occasional \bullet .	
2	1027'3	1021'2	76'5	75'7	79	75	0'9	0'7	6'8	6'6	87	90	23	4	45	3	8	4	1'5	1'5	72	Fine α , then c. to α . \bullet .	
3	1015'3	1012'7	77'2	74'7	79	75	0'7	0'2	7'4	6'6	90	96	45	4	90	3	10	10	4'6	—	72	\bullet most of day.	
4	1010'8	1009'6	73'6	73'7	75	73	0'7	0'4	5'4	6'0	85	92	90	3	113	3	10	10	0'8	—	71	\bullet α . g., damp and cold.	
5	1007'5	1002'8	76'1	76'4	78	74	0'4	1'1	7'2	6'5	94	84	90	4	90	4	10	10	—	—	72	Dull and o.	
6	999'2	999'9	76'4	77'4	78	76	0'3	0'8	7'4	7'4	95	89	45	3	23	3	10	10	2'0	—	75	\bullet α . o., with occasional \bullet .	
7	1001'4	1001'9	76'6	77'9	79	76	0'4	1'2	7'4	7'2	94	84	23	3	67	2	10	10	—	—	75	o., with occasional \bullet .	
8	1002'8	1003'5	75'8	73'7	79	74	0'5	0'2	6'9	6'2	92	97	90	2	—	0	10	10	0'2	1'9	66	\equiv most of day.	
9	1004'2	1004'8	75'7	74'6	77	72	0'1	0'6	7'2	6'2	98	91	90	2	67	3	10	10	—	—	66	\equiv α . o.	
10	1005'9	1011'8	75'6	72'9	76	72	0'9	0'5	6'3	5'4	85	88	45	4	23	3	10	10	0'5	—	70	o. Δ 14 h., 15 h., 17 h.	
11	1011'8	1014'0	73'0	72'4	76	71	0'8	0'7	5'0	4'8	82	82	337	4	337	3	2	2	—	2'4	68	Fine to fair.	
12	1014'9	1007'3	71'8	72'8	75	71	0'6	0'2	4'6	5'7	82	95	337	2	203	3	8	10	0'8	0'8	65	c. to o. Δ 14 h.-20 h.	
13	1013'4	1013'4	71'4	74'0	75	71	0'3	0'8	4'8	5'5	90	84	45	4	67	3	8	10	—	0'2	70	\boxtimes . c.	
14	1013'5	1013'3	71'9	72'7	74	70	0'2	0'2	5'3	5'8	93	96	67	3	45	3	10	5	—	—	68	c. Δ 11 h.-12 h. Δ	
15	1012'4	1018'4	73'1	72'2	75	71	0'9	0'7	4'9	4'7	80	82	23	4	337	4	8	5	—	0'2	69	c. to o. Δ 10 h.	
16	1025'8	1021'2	73'6	74'7	77	70	1'3	0'2	4'7	6'7	74	97	293	3	203	3	5	10	2'3	2'6	65	Fine α . o. Δ showers afternoon.	
17	1022'3	1012'3	79'6	81'8	83	75	0'3	0'6	9'3	10'4	96	93	247	3	247	6	10	10	2'8	—	74	\bullet showers. Warm.	
18	1016'8	1017'4	79'1	77'9	82	77	1'7	0'9	7'2	7'4	78	87	270	4	225	4	3	2	0'3	3'1	75	Fine to o.	
19	1005'5	1004'5	80'3	80'1	84	77	0'2	2'1	9'9	7'3	97	172	203	4	247	4	10	10	1'0	0'2	76	Dull α . o.	
20	998'9	1005'1	77'0	75'1	80	74	1'8	0'7	6'1	6'3	75	88	270	5	293	5	4	7	0'*	15'1	3'5	72	Fine α . Δ 11 h.-12 h. Δ [from 18 h. o. from 9 h.
21	1009'9	1013'7	75'7	75'7	79	73	1'2	0'9	6'1	6'4	82	87	293	3	293	2	4	3	0'3	1'3	72	Δ till 5 h. \boxtimes . o. from 9 h.	
22	1010'5	1012'8	79'0	84'1	84	75	0'3	0'7	8'9	12'0	96	92	225	4	225	3	10	10	—	—	70	Very mild α . o.	
23	1010'8	1004'2	84'2	84'9	86	78	0'8	1'1	12'0	12'1	91	87	247	4	225	5	9	10	—	0'3	82	Very fine. \bullet after 21 h.	
24	1007'6	999'4	79'5	79'3	85	78	1'3	0'6	7'9	8'7	81	92	225	4	203	4	2	8	2'8	6'6	76	Fine	
25	994'3	992'5	75'8	75'4	80	75	0'7	0'6	6'6	6'5	89	91	225	3	247	4	2	2	1'1	5'2	72	Bright α , then c.	
26	994'8	997'9	73'9	74'8	77	73	0'4	0'2	6'0	6'7	91	96	247	3	315	3	2	2	0'3	2'5	70	Δ 11 h. \equiv evening.	
27	998'8	997'0	75'5	75'6	77	75	0'7	0'7	6'4	6'5	89	96	135	1	135	1	10	10	1'8	—	70	Δ all day.	
28	1000'9	1003'0	72'8	73'0	76	71	0'2	0'2	5'7	6'0	95	96	135	4	293	3	10	10	3'6	—	70	Δ till 14 h.	
29	1001'8	1009'3	72'8	71'2	73	71	0'1	0'4	6'0	4'7	99	97	87	45	4	293	3	10	10	2'6	0'7	70	Fine early. \boxtimes . o.
30	1015'6	1011'5	72'1	76'8	77	70	0'3	0'6	5'3	4'9	92	93	225	3	180	5	5	10	2'6	—	70		
Mean	1009'3	1008'9	75'7	75'9	78'4	73'7	0'7	0'6	6'7	6'9	89	90	3'4	3'2	7'6	7'5	45'2	1'10	71'0				
Mean Pressure at Station Level.	989'0	988'5																					

CAMBRIDGE, a.—NOVEMBER 1919.

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.—NOVEMBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	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.	Tenths of Sky covered.		mm.	hr.	a.		
1	1035.5	1035.9	78.7	74.8	81	75	1.4	0.3	7.4	6.6	82	96	—	1	1	7	—	6.6	70	Very fine.	
2	1032.2	1025.0	73.4	76.9	79	71	0.8	0.4	5.3	7.5	83	94	—	1	100	10	0.3	—	66	o. ☐	
3	1021.7	1017.3	76.9	76.1	80	75	0.6	1.0	7.3	6.4	91	84	—	1	45	2	10	—	66	o. Fine n.	
4	1011.8	1008.4	78.2	76.4	80	75	0.7	0.3	7.9	7.4	91	96	45	2	10	8	—	—	69	o. Fine to dull, and misty.	
5	1007.4	1005.4	76.2	76.3	78	76	0.2	0.1	7.4	7.6	97	99	—	1	1	200	10	0.3	71	Dull and damp.	
6	1003.0	1003.4	76.5	76.5	79	75	0.2	0.4	7.6	7.3	98	94	—	0	1	100	10	—	72	≡ a. o.	
7	1003.0	1002.4	75.7	75.0	79	75	0.3	0.3	7.1	6.7	96	96	—	0	1	100	10	—	71	Fine and frosty.	
8	1002.7	1001.3	72.3	73.1	80	71	0.4	0.4	5.2	5.6	88	90	45	2	158	3	10	0.3	74	≡ a. o.	
9	1002.7	1008.8	75.6	75.5	79	72	0.9	0.3	6.3	7.0	86	95	135	2	68	4	10	0.3	67	Fine and frosty.	
10	1014.9	1017.9	76.3	76.2	79	70	1.8	0.7	5.8	3.6	75	87	68	3	—	1	5	0.3	71	Fine a. showers.	
11	1020.3	1015.9	72.8	72.4	79	69	0.7	0.5	5.0	5.1	82	86	—	1	45	2	8	0.5	64	Clear and frosty.	
12	1009.1	1012.2	73.8	73.4	78	71	0.4	1.1	6.0	4.9	91	78	225	2	360	2	4	—	69	☄ showers.	
13	1015.6	1015.9	71.5	68.6	77	69	0.5	0.5	4.6	3.3	85	76	—	0	—	1	000	—	64	☄. Fine and frosty.	
14	1016.6	1017.3	66.8	67.4	75	65	0.2	0.1	3.3	3.7	88	94	—	1	—	1	000	—	62	☄. Brilliant day.	
15	1018.9	1023.7	66.7	69.2	75	65	0.3	0.3	3.0	4.0	82	87	—	1	360	2	000	—	61	☄. ☄. Intense frost.	
16	1022.7	1021.7	73.6	80.1	80	69	0.1	0.1	6.3	9.9	99	98	270	4	270	2	100	10	61	☄. Intense frost.	
17	1017.6	1009.5	81.8	80.3	83	79	0.4	0.8	10.6	9.0	94	88	225	3	293	3	10	4.8	65	☄. ☄. Damp and mild.	
18	1014.5	1010.1	77.2	80.1	81	75	0.9	0.8	7.1	8.9	86	89	225	3	225	5	0	6	79	☄. ☄. Warm and damp.	
19	1000.7	998.6	81.0	77.7	82	77	0.9	0.9	9.4	7.4	89	87	225	5	225	4	4	2.0	47	73	☄. ☄. Clear and frosty.
20	999.3	1008.1	75.0	75.1	79	74	0.4	0.7	6.6	6.3	93	88	270	3	293	2	7	8.9	37	79	☄. ☄

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHOENIX PARK), a.c.—NOVEMBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.						
1	1033.5	1033.8	80.2	78.3	82	76	1.9	2.1	7.8	6.4	76	74	—	1	1	200+	o. early a. Fine.	
2	1030.5	1023.7	79.1	77.1	81	72	0.8	0.2	8.5	7.8	89	97	—	1	1	200+	c. to o., with o. showers.	
3	1019.0	1015.6	79.6	78.8	81	76	2.1	1.6	7.1	7.1	72	79	—	1	1	200+	o.	
4	1010.5	1007.3	79.2	77.2	80	75	1.3	0.6	7.8	7.4	82	92	—	1	1	200+	o., with o. a. and p.	
5	1006.4	1003.7	73.8	79.7	80	72	0.2	1.7	6.1	7.8	96	77	—	1	1	200+	c. to o.	
6	1001.7	1002.0	78.4	77.7	81	77	0.9	0.2	7.8	8.1	88	97	—	1	1	200+	o. to o.	
7	1002.7	1002.4	77.1	77.7	79	71	0.3	0.1	7.8	5.4	95	97	—	1	1	200+	o. to o.	
8	1002.4	1002.4	72.8	71.3	77	70	0.2	0.2	5.8	5.1	95	93	—	1	1	200+	o. to o.	
9	1002.7	1006.1	73.4	78.6	80	69	0.7	1.8	5.4	6.8	86	77	—	1	1	200+	o. to o.	
10	1011.8	1016.6	78.0	74.6	79	72	1.8	1.8	6.4	4.7	76	70	—	1	1	200+	o. to o.	
11	1016.6	1016.2	71.8	69.7	79	67	0.6	0.1	4.7	4.4	83	95	—	1	1	200+	o. to o.	
12	1011.2	1011.2	73.1	72.7	78	69	0.1	0.8	6.1	4.7	97	81	—	1	1	200+	o. to o.	
13	1014.2	1015.2	73.1	71.1	77	69	0.6	0.4	5.4	4.4	87	85	—	1	1	200+	o. to o.	
14	1014.9	1016.2	69.4	73.1	76	65	0.1	0.1	4.4	6.1	95	98	—	1	1	200+	o. to o.	
15	1017.6	1023.0	70.4	67.2	76	64	0.4	0.1	4.4	3.7	84	94	—	1	1	200+	o. to o.	
16	1024.7	1023.0	74.4	80.2	81	67	1.1	0.2	5.4	9.8	80	97	—	1	1	200+	o. to o.	
17	1021.0	1011.5	83.3	82.0	84	79	1.0	0.7	10.8	10.5	88	92	—	1	1	200+	o. to o.	
18	1017.6	1013.9	77.0	80.7	82	76	0.8	1.1	7.4	8.8	89	86	—	1	1	200+	o. to o.	
19	1003.7	1002.0	82.4	78.9	84	78	1.2	1.4	9.8	7.4	85	81	—	1	1	200+	o. to o.	
20	1002.4	1010.1	75.9	74.7	79	75	1.0	0.7	6.4	6.1	84	88	—	1	1	200+	o. to o.	
21	1012.5	1011.8	76.7	76.4	80	74	0.4	0.1	7.4	7.8	94	98	—	1	1	200+	o. to o.	
22	1011.2	1011.5	82.9	84.3	86	76	0.9	1.0	10.8	11.9	88	92	—	1	1	200+	o. to o.	
23	1006.8	992.5	86.1	86.1	87	78	0.7	2.3	13.9	11.2	91	74	—	1	1	200+	o. to o.	
24	1004.7	995.9	78.7	75.8	86	75	0.8	0.1	8.1	7.4	90	88	—	1	1	200+	o. to o.	
25	992.2	994.9	75.9	74.2	79	74	0.7	0.6	6.8	6.1	89	99	—	1	1	200+	o. to o.	
26	998.3	1002.0	75.3	74.9	79	73	0.7	0.4	6.4	6.4	89	93	—	1	1	200+	o. to o.	
27	1002.4	1000.0	76.0	73.9	79	72	0.3	0.3	7.1	6.1	95	93	—	1	1	200+	o. to o.	
28	1000.3	1001.7	72.6	70.2	76	70	0.1	0.1	5.8	4.7	97	95	—	1	1	200+	o. to o.	
29	1004.4	1009.8	71.2	73.0	74	69	0.1	0.2	5.8	5.8	97	94	—	1	1	200+	o. to o.	
30	1008.1	1002.7	78.6	80.1	82	65	1.7	1.0	7.1	8.8	78	86	—	1	1	200+	o. to o.	
Mean	1010.2	1009.3	76.6	76.2	80.1	72.3	0.8	0.7	7.2	7.0	88	89	—	1	1	200+	o. to o.	
Mean Pressure at Station Level.	1004.1	1003.2																

z 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,
January 16th, 1920.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1919.

DEERNES, ORKNEY, a.b.c.—DECEMBER 1919.

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

Rain-gauge, $h_r = 1.2$ m. Cups of Anemometer, $h_a = 4.9$ 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	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.		α .	α .	α .	α .			millibar.		%	%	α .	m/s.	Tenths of Sky covered.		mm.	hr.	α .			
1	998.6	999.6	200+	200+	200+	200+	77	0.7	1.2	7.3	7.1	89	83	225	8	180	7	6	—	4.5	200+	Fine. Low \equiv evening. Low \equiv . \odot 23 h.
2	995.2	997.3	79.1	78.9	79	77	1.3	0.6	7.6	8.5	83	92	146	7	—	11	10	1	4.3	—	\odot 23 h.	
3	989.8	994.9	79.0	78.2	80	76	0.6	1.1	8.6	7.4	92	84	247	10	236	11	9	6	5.8	0.5	\odot 13 h.	
4	989.8	998.6	77.8	78.3	80	76	0.6	1.7	7.9	6.9	92	98	230	15	270	12	10	3	5.5	—	q. and showery.	
5	1001.0	992.2	77.8	78.3	80	76	0.7	1.2	7.6	7.4	90	84	186	3	259	13	10	6	13.2	—	Dull to showery.	
6	984.7	995.6	77.8	77.2	79	75	1.6	1.1	7.3	6.9	80	84	281	6	23	9	8	3	1.9	—	Showery.	
7	1005.4	1013.9	77.0	77.2	79	75	1.1	1.9	6.8	6.1	84	73	337	15	360	11	3	2	3.2	1.2	Showery. Mock sun 9 h.	
8	1021.7	1022.3	76.1	73.9	77	73	1.2	0.5	6.3	5.9	82	90	8	326	2	2	2	2	1.1	3.5	Showery. \odot 22 h.	
9	1018.6	1011.2	74.5	76.1	77	73	0.7	1.7	6.1	5.7	89	75	90	2	157	8	10	10	0.6	1.4	Passing showers. \odot	
10	999.0	992.2	77.2	78.3	79	76	0.6	0.6	7.5	8.2	92	93	169	12	169	13	10	10	8.1	—	\odot all day.	
11	991.5	994.6	77.8	79.3	80	77	0.6	1.6	7.8	7.5	91	79	203	5	180	13	10	7	—	1.0	Mostly fair.	
12	1000.0	1003.0	78.4	79.4	80	78	0.9	1.1	7.7	8.1	87	85	169	8	180	8	2	1	—	—	q. o. \odot	
13	1001.7	1001.0	80.0	79.4	80	78	1.2	0.6	8.3	8.8	83	92	169	14	146	13	10	10	4.1	—	Showery.	
14	1010.1	1008.1	78.4	79.4	80	77	1.2	1.1	7.4	8.1	84	85	180	9	135	15	7	7	0.3	—	\odot	
15	1002.0	1003.7	79.6	79.7	80	79	1.3	0.4	8.0	9.2	82	94	135	18	146	9	10	10	24.0	—	c. 5 h., 7 h., and 9 h. \odot	
16	1007.1	1004.7	78.1	77.8	80	77	0.4	1.1	8.1	7.2	93	85	169	9	169	8	10	0	0.8	—	Dull. Fine evening.	
17	1001.3	1003.7	79.4	78.9	80	77	0.7	0.8	8.7	8.1	90	88	191	7	259	10	7	9	12.0	0.3	Showery. \odot	
18	1010.5	987.1	77.9	77.9	79	75	1.1	1.8	7.3	6.5	85	76	214	7	259	15	9	5	5	—	\odot 19 h. and 22 h. — 24 h.	
19	1008.4	1012.2	79.3	79.4	80	76	1.1	0.8	8.1	8.5	84	88	315	13	180	8	6	10	1.8	—	\odot 1 h.—3 h. \odot showers.	
20	1011.8	1005.7	79.4	79.0	82	79	0.8	0.7	8.5	8.4	88	91	259	11	247	6	10	10	3.6	—	Fair, but \odot evening. \odot n.	
21	995.6	991.5	75.7	76.7	79	75	0.7	0.5	6.6	7.3	90	93	259	8	259	6	8	10	9.7	—	\odot 3 h. \odot	
22	997.6	993.9	74.9	75.6	76	74	1.0	1.0	5.9	5.6	84	76	304	10	293	11	5	3	2.7	1.2	\odot showers all day. \odot	
23	989.1	983.4	75.7	74.7	77	74	2.1	0.7	5.1	6.1	89	87	135	5	45	12	10	10	19.8	—	\odot and sleet showers. \odot	
24	990.8	994.2	75.6	73.3	77	73	1.7	0.6	5.5	5.5	75	88	337	4	337	2	6	3	0.3	0.4	\odot showers. \odot n.	
25	997.9	1006.4	73.8	73.4	76	71	0.7	0.7	5.0	5.5	86	86	360	7	315	3	3	3	2.0	2.6	\odot showers. \odot n.	
26	1009.1	995.2	73.7	76.7	77	71	1.2	1.4	4.9	6.3	77	79	191	3	124	21	7	10	11.8	0.4	\odot 17 h. and 19 h. — 24 h. \odot	
27	981.0	986.8	78.4	76.7	79	76	0.4	0.4	8.3	7.4	94	94	135	11	225	2	7	10	8.3	—	\odot 1 h.—3 h. \odot nearly all day.	
28	994.2	993.5	74.7	77.2	79	76	1.2	1.0	6.9	7.3	82	86	146	9	157	13	7	10	8.6	—	q. \odot 7 h. and 9 h. \odot to fair.	
29	981.4	988.1	76.7	77.2	79	76	0.4	0.7	7.4	7.4	94	90	113	19	214	7	10	10	2.7	—	Fine.	
30	994.2	993.5	75.3	74.6	78	74	0.9	0.4	6.2	6.3	86	92	225	3	—	1	2	0	0.6	4.1	Sleet and \odot showers.	
31	985.1	992.9	74.5	73.9	76	74	0.4	1.1	6.4	5.2	93	80	360	7	326	14	10	10	2.9	—		
Mean	998.8	998.7	77.2	77.3	78.8	75.5	0.9	1.0	7.2	7.1	86	85	—	8.8	9.2	7.5	6.4	166.5	0.68	—		
Mean at Station Level	992.5	992.4																				

FORT WILLIAM, INVERNESS-SHIRE, a.c.—DECEMBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	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.		%	%	0-12		Tenths of Sky covered.		mm.	hr.	a.		
1	1003.0	999.0	77.4	79.7	80	76	0.7	3.2	7.5	6.0	90	60	225	3	180	3	8	10	6.4	Dull and showery. U 21 h.
2	994.9	1001.0	75.8	76.7	80	75	0.3	0.9	7.1	6.9	95	86	—	0	225	2	100	≡	7	Dull. ● ≡ ≡ all day.
3	996.3	998.3	81.3	79.7	82	76	2.3	1.8	7.7	7.4	72	76	225	5	225	3	100	10	9.1	● showers. U 21 h.
4	1000.0	1006.8	78.6	78.7	80	77	2.2	1.2	6.4	7.5	72	84	225	4	225	4	9	10	9.1	● showers. T 12 h. 30 m.
5	1003.7	999.3	78.9	79.1	81	77	1.0	2.3	8.0	6.6	86	70	225	5	225	4	100	9	10.9	Unsettled, with ● showers.
6	991.9	995.2	77.3	74.9	80	74	0.9	0.3	7.1	6.7	86	95	225	4	—	0	100	10	17.8	Unsettled, with ● showers.
7	1010.5	1016.6	75.2	74.1	77	74	1.2	0.7	5.9	5.8	81	86	—	0	—	0	3	7	—	Unsettled, with ● showers. [21
8	1024.0	1023.3	73.6	71.9	76	71	1.3	0.8	4.7	4.4	75	76	—	0	—	0	6	10	—	Fine and sunny.
9	1018.6	1010.5	71.9	76.2	77	71	1.1	1.6	3.9	6.0	69	77	45	1	90	1	1	100	2.0	Fine and sunny. U 21 h.
10	996.3	991.9	79.3	80.2	81	75	1.3	1.2	7.8	8.4	81	84	225	4	225	2	100	100	16.3	Fine. ● 21 h.
11	991.9	996.9	75.1	78.2	80	74	0.4	1.8	6.6	6.6	93	75	—	0	225	3	8	2	4.8	Muggy, with ● showers.
12	999.0	1004.4	78.0	80.8	81	77	0.8	1.7	7.6	8.2	88	78	225	3	225	3	100	10	6.9	● showers, q. at times.
13	1001.7	996.3	80.7	79.8	82	80	1.1	0.7	9.0	8.9	87	91	225	4	225	1	100	100	9.7	g., with frequent ● showers.
14	1008.1	1003.4	77.3	80.1	83	76	1.7	0.6	6.4	9.2	77	92	90	1	225	3	8	10	9.7	Dull and showery.
15	998.6	1000.7	79.4	79.7	83	79	2.0	2.1	7.1	7.1	74	72	225	4	—	0	10	10	8.1	Fair to fine generally. ● a.
16	1004.7	1006.1	79.7	78.9	80	76	0.4	2.1	7.5	6.8	94	73	90	2	225	3	10	7	0.8	g., but fair.
17	1006.1	1012.8	79.7	79.7	81	78	1.1	2.2	8.2	7.0	84	71	225	4	225	4	5	8	5.6	Passing showers. Dull
18	1011.5	1004.7	79.7	79.1	81	76	1.1	2.9	8.2	6.0	84	63	225	3	270	8	8	10	4.6	Dull and showery.
19	1020.0	1020.6	79.9	80.1	80	77	3.6	0.4	5.8	9.4	87	94	90	3	270	2	8	10	13.0	Boisterous. ● 21 h.
20	1018.3	1010.1	81.3	78.6	83	78	1.6	0.7	8.6	8.2	80	91	225	3	225	3	8	100	2.5	Fair to fine generally. ● 21 h.
																			6.4	Dull and showery.
21	1001.0	999.0	76.8	74.1	78	73	1.0	0.7	6.8	5.9	85	87	225	3	225	3	8	10	11.9	*. ☒. < 21 h.
22	1003.4	999.3	77.4	73.6	78	73	0.1	0.6	5.0	5.6	89	88	315	3	225	1	10	10	2.0	Dull, but fair. * on hills
23	989.8	988.8	76.3	77.4	79	72	0.7	1.5	6.0	6.5	89	79	225	4	270	3	100	8	5.1	● showers all day.
24	991.5	992.9	75.8	74.6	77	74	0.6	0.3	6.8	6.3	91	91	—	0	90	2	100	100	1.5	● showers all day.
25	1000.0	1010.1	71.2	69.7	77	69	1.0	0.6	3.7	3.6	70	76	90	2	—	0	1	000	—	Fine, clear, and sunny.
26	1008.1	985.8	68.6	76.3	77	68	0.6	1.0	3.1	6.5	73	85	—	0	135	8	10	10	—	● p.
27	982.7	990.5	75.8	75.3	80	75	0.6	1.2	6.7	6.0	90	82	225	2	225	3	100	3	17.3	Dull and showery.
28	995.6	991.2	76.2	76.9	79	74	0.4	1.0	7.1	6.9	93	86	—	0	225	1	7	100	10.7	Bleak. ● showers.
29	986.4	992.2	75.5	78.0	79	75	0.3	0.7	6.9	7.8	95	90	225	2	225	2	10	100	7.1	Dull and showery.
30	995.2	992.2	75.2	73.6	78	72	0.6	1.1	6.5	4.9	91	78	—	0	45	2	7	10	3.6	Fair to fine. U 21 h.
31	988.1	990.2	74.7	74.1	77	73	0.7	1.1	6.1	5.3	88	79	45	1	315	2	10	2	2.5	* early. ☒. Sunny intervals.
Mean	1001.3	1001.0	76.8	77.1	79.5	74.7	1.2	1.3	6.7	6.7	82	81	2.3	2.5	8.2	8.5	202.3			
Mean Pressure at Station Level.	999.8	999.5																		

DOUGLAS, ISLE OF MAN, a.—DECEMBER 1919.

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° 10' N. Long. 4° 28' W. Time, Local mean time, 20 m. after Greenwich.

1	1008.4	1002.0	78.6	80.2	82	77	1.1	1.1	7.8	8.5	85	85	270	1	180	5	10	c. Bright afternoon. o		
2	999.0	1006.4	78.0	80.2	81	77	1.1	1.1	7.4	8.5	84	85	293	4	203	4	3	● showers a. Bright and q.		
3	1005.7	1006.1	83.0	81.9	84	80	0.6	1.1	11.2	9.8	93	86	247	3	247	6	10	o. q. after 16 h.		
4	1010.5	1016.2	80.2	79.4	82	78	1.7	1.8	7.8	7.4	78	76	270	8	270	10	4	● showers a. c.		
5	1014.2	1007.4	80.2	79.9	84	79	0.2	1.4	9.8	8.1	97	81	203	5	270	7	100	● till 11 h. o.		
6	999.0	992.5	77.4	78.6	80	77	1.1	0.9	7.1	7.8	84	87	270	8	270	6	8	● a. c. p.		
7	1010.5	1015.2	78.6	77.2	80	77	2.8	1.7	5.8	6.4	66	77	337	5	337	3	2	● a. Fine and q.		
8	1023.0	1023.7	76.9	74.3	79	74	2.1	0.7	5.8	5.8	72	86	337	2	360	1	0	— early. Fine.		
9	1020.3	1013.2	75.5	78.0	79	74	0.8	0.6	6.4	8.1	87	92	45	1	180	5	8	— a. o. ● showers after 11 h.		
10	1003.0	995.2	79.1	80.2	81	76	0.6	0.4	8.8	9.5	92	94	157	7	157	7	100	o. q. and ● 2 showers.		
11	994.9	1002.0	81.3	80.2	82	80	0.8	0.9	9.8	8.8	90	87	203	4	180	5	6	● 2 showers a. c.		
12	1007.1	1010.5	80.8	80.5	82	79	1.7	0.5	8.1	9.5	79	94	225	4	203	4	8	● showers a. q. Fine afternoon.		
13	1008.8	1008.1	80.2	79.1	82	78	0.6	1.1	9.5	7.8	92	84	157	6	247	7	10	● showers a. q. o., with ● showers.		
14	1013.2	1005.4	80.2	80.5	82	79	0.7	0.8	9.1	9.1	80	89	135	2	135	8	7	c. q. ● after 16 h.		
15	1001.3	1001.0	80.5	78.0	81	78	0.8	0.0	9.1	8.8	89	100	203	2	67	1	8	● showers a. c.		
16	1007.4	1010.8	77.4	80.7	81	77	0.6	1.0	7.8	9.1	92	87	247	1	157	2	2	— early a. Fine.		
17	1012.8	1017.9	80.8	80.9	81	80	0.3	1.3	10.2	8.8	97	84	225	3	270	3	10	● 2 showers early. o.		
18	1018.0	1015.2	80.9	78.0	82	77	0.7	2.2	9.5	6.1	91	70	225	3	270	10	4	o. q. after 11 h. o.		
19	1022.7	1024.4	80.2	81.6	82	77	3.3	0.3	6.1	10.8	96	96	293	10	270	2	2	● c.		
20	1022.7	1014.2	82.7	82.3	84	81	0.3	0.4	11.5	11.2	96	94	270	2	247	3	10	● showers a. o.		
21	1004.7	1006.4	79.1	76.4	83	75	1.1	1.8	7.8	5.8	84	74	270	4	293	10	4	● showers a. c.		
22	1008.8	999.6	77.4	77.1	80	76	0.6	0.2	7.8	7.8	92	98	270	6	67	2	100	q., with continuous.		
23	995.2	994.9	79.7	78.6	81	76	1.4	1.1	7.8	7.8	81	85	270	6	270	6	8	● early a. o. q.		
24	997.3	994.2	77.7	77.1	79	76	0.8	0.7	7.4	7.4	88	90	270	6	225	5	6	c. q. ● after 18 h.		
25	998.6	1011.2	76.3	75.2	77	74	0.6	0.6	7.1	6.4	91	91	45	3	337	1	8	● early a. c.		
26	1010.1	991.5	78.6	81.9	82	77	1.5	0.6	7.1	10.5	80	93	157	2	247	6	8	— a. o. 10 h.-20 h.		
27	991.9	996.3	78.0	77.4	82	77	1.1	1.1	7.4	7.1	84	84	270	6	247	3	2	● early a. c. Bright and q.		
28	1001.0	989.1	77.7	78.6	80	76	0.6	0.0	7.8	9.1	91	100	293	1	113	5	10	— early. o. ● from 17 h.		
29	991.5	995.6	79.1	78.0	83	77	1.1	0.3	7.8	8.1	94	96	270	5	247	1	7	● early. c. q. Bright to c.		
30	996.9	982.0	76.9	79.9	80	76	0.4	0.0	7.4	9.8	94	100	315	1	113	6	6	— early. o. ● after 16 h.		
31	987.5	992.2	76.5	75.2	81	75	0.7	0.6	7.1	6.4	89	91	315	10	293	1	100	● a. c.		
Mean	1006.0	1004.5	79.0	78.9	81.2	77.0	1.0	0.8	8.1	8.3	86	88	4.2	4.7	7.0	7.3	184.4	1.77	74.8	
Mean Pressure at Station Level.	995.4	994.0	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.—DECEMBER 1919.

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° 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 h. beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	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+								m/s.	m/s.				200+					
1	1007.1	997.3	74.6	78.4	79	74	0.5	0.5	6.2	8.3	92	93	202	3	202	7	0	10.0	2.8	5.5	72	Fine, but cold. ● n.		
2	1000.7	1003.4	75.3	77.4	80	74	0.4	0.3	6.7	8.0	93	96	225	3	202	6	0	9.0	1.5	6.6	73	Fine. ●° p. (U)		
3	1005.1	1006.4	81.9	79.5	84	77	0.7	0.7	10.3	8.7	91	89	225	6	225	5	6	5	2.5	0.2	77	● showers n. c.		
4	1010.1	1018.3	78.8	77.8	80	77	1.1	0.9	7.7	7.4	85	87	225	5	270	5	4	5	2.9	0.5	76	q., with ● showers.		
5	1008.1	1007.8	81.6	78.7	84	77	0.3	1.3	10.6	7.4	95	82	202	9	225	4	10.0	0	6.3	0.0	76	q., with a. ● showers		
6	1000.3	997.3	74.7	77.1	79	75	0.3	0.4	6.5	7.7	94	95	248	4	270	2	3	3	8.1	1.4	74	q. n. ✱ (sleet). ● showers		
7	1015.6	1018.9	75.8	74.9	79	74	0.6	0.1	6.8	7.0	91	99	238	3	315	2	3	0	1.3	2.0	72	● showers early, and after		
8	1025.4	1023.3	72.9	73.5	77	72	0.4	0.4	5.4	5.9	90	92	—	1	293	2	2	10.0	0.3	3.5	77	Fine to o. ● n.		
9	1018.6	1010.1	74.7	77.3	78	73	0.5	0.1	6.3	8.2	91	100	202	3	180	3	10	10.0	3.8	0.0	70	o., with drizzle afternoon.		
10	996.3	991.5	79.0	78.9	82	77	0.5	0.1	8.7	9.2	93	99	202	8	—	1	10.0	10.0	11.9	0.0	77	●.		
11	990.5	998.6	78.9	76.9	80	77	0.9	0.8	8.1	7.1	87	88	202	5	202	5	4	1	1.8	3.6	75	Fine, but cold.		
12	1002.7	1006.1	78.3	78.5	82	75	0.6	0.6	8.2	8.3	93	93	202	9	202	6	7	2	4.5	2.6	74	c.		
13	1003.4	1005.7	80.9	76.3	82	75	0.4	0.4	10.0	7.2	95	93	202	8	202	10	10	0	2.8	0.0	77	Dull. Violent ✱. ● squalls		
14	1007.1	997.6	79.6	81.8	82	75	1.1	1.1	8.2	9.7	84	86	135	5	135	8	9	10	7.6	0.0	75	✱. o.		
15	998.3	1000.0	78.2	78.1	82	77	0.7	0.6	8.0	8.0	91	82	180	4	158	3	6	10	—	0.0	76	o.		
16	1006.4	1007.8	75.8	79.1	80	75	0.1	0.7	7.3	8.5	98	91	202	2	180	7	10.0	10.0	1.0	0.0	74	Dull, with ≡. o., with		
17	1012.2	1018.9	79.7	81.0	81	79	0.4	1.6	9.2	8.6	94	81	225	4	248	2	10	8	0.3	0.0	78	Dull.		
18	1015.9	1018.3	80.2	76.8	84	76	0.4	1.3	9.5	6.5	95	83	202	6	270	6	10.0	6.0	2.3	0.0	77	≡. q., with o. ▲ showers		
19	1028.1	1024.0	78.9	82.4	83	77	1.4	0.1	7.4	11.6	81	100	270	4	225	4	4	10.0	2.5	2.2	74	Fine. Thick drizzle. ≡		
20	1023.0	1012.5	82.8	82.8	84	82	0.1	0.4	12.0	11.4	99	94	248	2	225	5	10.0	10.0	4.8	0.0	82	Dull, with drizzling (d)		
21	1006.8	1009.8	77.8	74.5	84	74	0.4	0.5	8.0	6.2	93	93	270	2	270	4	4	2.0	5.8	0.6	77	● n. q.2. ✱ (sleet) ▲		
22	1009.1	1000.0	76.8	76.9	84	75	0.2	0.0	7.7	8.1	97	100	248	3	—	1	10.0	10.0	3.1	0.0	73	Continuous ● all day.		
23	997.6	994.9	78.6	76.2	80	74	1.3	0.6	7.7	7.1	82	92	270	3	225	3	5	3	0.5	0.0	74	● n. o.		
24	995.9	992.9	75.4	75.9	77	75	0.7	0.6	6.5	6.8	90	90	225	6	225	4	3	8	0.8	2.3	74	c.		
25	999.3	1011.5	74.8	72.0	77	73	0.1	0.1	6.9	6.1	99	99	—	0	—	0	10.0	0.0	0.3	1.0	74	Dull and cold. ≡		
26	1005.1	990.8	77.4	82.2	83	72	0.7	1.5	7.5	9.4	90	81	158	5	248	5	10.0	10.0	7.1	0.0	68	● all day.		
27	991.5	995.9	76.2	75.4	82	75	0.8	0.6	6.8	6.6	89	92	248	4	225	4	1	9.0	0.5	4.2	75	q. n. Clear and cold.		
28	999.6	983.7	75.4	81.2	81	75	0.5	0.1	6.7	10.7	93	98	225	4	180	7	10	10.0	4.3	0.0	73	Dull. ● n.		
29	992.5	995.6	77.8	77.8	84	77	0.6	0.1	7.9	8.4	92	98	248	3	225	3	8	10.0	0.8	0.7	73	c. to o. ● n.		
30	995.6	981.4	72.2	77.4	79	72	0.0	0.1	5.8	8.1	100	99	—	0	45	5	5	10.0	28.5	0.0	70	≡.2. n.		
31	992.2	992.5	74.6	74.5	79	73	0.7	0.2	6.1	6.5	89	96	315	4	248	2	2	6	—	5.0	72	✱✱. Black ● in gauge.		
Mean	1005.2	1003.3	77.4	77.8	81.0	75.3	0.6	0.5	7.7	8.0	92	93	4.0	4.4	6.3	6.6	155.8	1.35	74.2					
Mean Pressure at Station Level.	997.4	995.9																						

* In recent years these heights have been incorrectly given for Armagh.

* In recent years these heights have been incorrectly given for Armagh.

DUBLIN (PHENIX PARK), a.c.—DECEMBER 1919.

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° 22' N. Long. 6° 21' W. Time, Local mean time, 25 m. after Greenwich.

Mean time, 20 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		
1008.4	1002.7	1007.8	1013.5	1012.2	1003.4	1015.9	1024.7	1018.9	998.6	993.2	1005.7	1005.1	1009.1	999.3	1007.8	1014.2	1018.6	1029.8	1024.7	1008.8	1010.8	999.6	999.3	997.6	997.1	993.5	999.0	996.3	995.2	993.2	1007.0		
999.3	1005.1	1009.1	1021.7	1010.3	998.6	1019.3	1024.4	1011.2	992.5	1001.0	1008.4	1008.4	999.0	1001.0	1009.8	1021.0	1020.6	1026.1	1015.9	1012.8	1000.7	997.6	994.9	1012.8	993.5	999.0	986.4	996.3	980.0	992.2	1005.5		
76.3	75.8	83.1	80.2	81.8	77.7	76.3	73.2	74.6	80.9	79.7	80.3	82.7	82.4	80.3	75.9	80.7	82.0	77.9	83.4	83.4	79.7	78.6	80.3	76.7	76.6	80.2	77.9	78.7	76.9	75.8	78.9		
79.7	81.3	81.8	77.9	79.1	77.5	74.9	71.9	79.1	79.1	79.2	79.7	79.0	81.9	79.6	80.8	80.6	77.1	83.4	83.4	74.8	78.6	80.3	77.3	76.7	75.1	82.3	84.7	79.8	80.3	71.6	78.9		
81	81	81.8	82	82	85	80	79	80	84	81	82	85	84	82	81	82	84	85	84	84	84	84	84	84	78	78	85	85	81	81	82.4		
76	75	85	77	77	77	74	79	71	79	76	76	79	76	79	73	80	76	76	76	75	74	74	75	75	73	72	75	77	73	71	75.7		
1.1	1.0	1.6	1.1	0.8	0.1	0.6	0.6	0.3	1.2	1.7	1.1	1.9	1.7	1.1	0.7	0.8	1.7	1.0	0.6	1.1	0.4	1.6	1.1	1.1	1.0	1.7	1.6	1.8	0.9	0.3	1.1		
1.1	1.1	1.2	1.2	1.2	1.2	0.6	0.1	0.6	0.2	1.2	1.1	1.8	1.6	0.9	2.1	0.9	1.3	0.3	0.9	1.2	0.4	1.6	0.7	0.8	1.0	1.7	1.6	1.2	1.0	1.1	1.0		
6.4	9.5	9.5	9.8	8.5	7.8	7.8	5.4	6.4	8.8	7.4	7.4	7.8	9.5	9.5	9.1	9.1	9.1	9.1	7.4	8.1	8.5	8.1	8.1	6.8	8.8	8.8	8.8	8.8	8.8	6.4	7.9		
8.1	8.5	8.5	8.5	8.5	8.9	8.5	5.4	8.5	9.1	8.1	8.1	7.4	7.4	7.4	7.8	7.8	9.1	12.2	12.2	5.4	11.9	94	94	94	88	86	86	8.1	8.1	5.4	8.1		
83	84	85	86	85	89	85	86	86	85	85	84	86	89	89	89	89	88	88	86	84	84	84	84	84	84	84	84	84	84	84	86		
225	270	315	315	315	315	315	360	360	225	225	270	270	270	225	225	225	315	315	315	270	270	270	315	315	315	270	270	270	270	270	315		
1	2	3	2	2	5	5	2	2	—	—	—	—	—	—	—	—	—	—	—	4	2	2	2	2	2	2	2	2	2	2	2.3		
2	3	3	3	10	10	6	4	0	—	—	0	7	6	7	0	0	0	10	9	4	4	10	10	7	3	6	6	9	10	6	6.1		
2	0	0	0	0	0	7	0	5	8	10	6	8	7	10	1	5	9	0	9	6	6	0	2	3	3	5	2	4	10	5	4.6		
8.0	9.0	9.0	9.0	11.4	10.0	11.4	—	—	10.0	10.0	1.1	1.3	1.3	1.3	0.5	—	—	—	1.6	2.3	12.9	0.8	0.8	2.6	0.1	4.8	—	—	—	—	102.1		
1.0	1.8	1.8	3.0	0.8	2.0	0.4	3.7	3.0	4.4	21.5	6.5	4.5	—	0.5	—	5.2	0.1	0.2	3.6	9.2	2.2	—	—	—	4.4	—	—	—	—	—	2.10		
70	71	71	79	76	74	74	74	72	67	76	74	74	74	75	76	75	76	76	81	76	76	76	76	76	76	76	76	76	76	76	73.0		
						c. ² showers n.																											
						Mostly o. ² n.																											
						c. ² a. ² showers p.																											
						c. to o.																											
						c. ² showers 18 h.-19 h.																											
						c. ² showers n.																											
						c. with ² showers.																											
						c. a. ² p.																											

Mean Pressure at Station Level.

1001.0999.5

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

Mean Pressure at Station Level.

1001.0999.5

OFFICE, LONDON.

Mean Pressure at Station Level.

1001.0999.5

CASTLEBAY, HEBRIDES.

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

		Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																HUMIDITY.											
1919.	Station Level.	Mean Sea Level.	7 h.	13 h.	21 h.	Means of			Absolute Extremes.									Depression of Wet Bulb.			Vapour Pressure.			Percentage.							
						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.						
mb.	mb.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	mb.	mb.	mb.	%	%	%							
Jan.	000.8	02.5	42.3	43.5	42.5	44.7	39.0	41.9	49	23, 24	33	27, 28	39	27th	44	14, 22, 23	2.3	2.6	2.4	7.5	7.6	7.5	83	79	82						
Feb.	007.1	08.8	39.9	41.8	40.3	43.2	37.3	40.3	46	11, 21, 24	32	5, 17, 18	36	4th	42	8th	2.0	2.4	2.3	7.0	7.3	6.9	84	82	82						
March	007.2	08.9	38.4	41.1	39.1	42.5	35.7	39.1	48	16th	27	29th	34	28th	40	1, 2, 11, 17, 18	2.1	2.9	2.2	6.4	6.8	6.6	83	77	82						
April	011.2	12.8	43.9	46.2	44.2	47.2	40.5	43.9	50	10, 11, 19	29	28th	40	27th	48	18, 19	1.5	1.9	1.5	8.6	9.1	8.7	88	87	89						
May	013.7	15.4	50.0	53.1	51.6	55.1	47.1	51.1	66	30th	36	2nd	44	2nd	54	15, 29	1.9	3.3	2.9	10.6	10.7	10.5	87	78	80						
June	015.2	16.8	51.2	52.6	51.2	54.2	48.9	51.6	57	1, 4, 11	46	2nd	52	16, 23, 30	52	6, 7	1.9	2.2	2.1	11.1	11.4	10.9	87	85	85						
July	016.8	18.5	53.1	55.4	53.4	57.4	50.1	53.8	63	3rd	46	7th	54	1, 14	53	17, 18, 24	1.6	2.3	1.4	12.2	12.6	12.5	89	86	90						
Aug.	011.3	13.0	53.5	55.8	54.0	57.2	51.6	54.4	60	4, 16, 17	45	28th	51	26th	56	12th	1.8	2.4	1.8	12.2	12.8	12.4	88	84	87						
Sept.	009.2	10.8	52.2	53.8	52.2	55.6	49.3	52.5	61	5, 10	38	20th	47	19th	57	5th	2.1	2.6	2.0	11.4	11.6	11.4	86	82	86						
Oct.	021.0	22.6	47.7	49.8	48.1	51.3	45.2	48.3	57	4th	37	13th	44	27th	54	4th	1.6	2.7	1.7	9.9	9.8	9.9	89	82	88						
Nov.	006.7	08.5	41.6	42.8	41.4	45.1	37.8	41.5	52	17th	31	14, 15	35	14th	48	23rd	2.4	2.7	2.4	7.2	7.4	7.2	82	80	82						
Dec.	007.8	09.6	43.6	44.0	43.6	46.3	39.5	42.9	50	5, 19	34	22nd	40	31st	45	13, 20	2.0	1.8	1.8	8.1	8.4	8.3	85	86	86						
Year	009.8	11.5	46.5	48.3	46.8	50.0	43.5	46.8	66	...	27	...	34	...	57	...	1.9	2.5	2.0	9.4	9.6	9.4	86	82	85						

ABERDEEN OBSERVATORY,* a, e.

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

1919.	9 h.		15 h.		21 h.		9 h.		15 h.		21 h.		9 h.		15 h.		21 h.		9 h.		15 h.		21 h.		9 h.		15 h.		21 h.		At 1 foot.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	
Jan.	001.4	04.6	38.1	40.1	38.5	41.2	34.9	38.1	46	9th	28	13th	36	27th	44	9th	1.2	2.0	1.6	6.9	7.1	6.9	89	83	86	89	83	86	89	83	86
Feb.	007.2	10.6	33.8	37.9	35.2	39.0	31.3	35.2	43	24th	20	5th	32	5th	39	21st	1.6	2.7	1.8	5.6	6.0	5.8	84	78	81	84	78	81	84	78	81
March	004.9	08.2	36.1	39.2	35.4	40.8	31.6	36.2	49	2nd	26	28th	35	29th	37	19th	2.5	3.6	2.1	5.7	5.9	5.5	78	72	78	78	72	78	78	72	78
April	007.9	11.1	44.6	48.4	43.9	50.7	38.1	44.4	68	18th	31	27th	37	27th	51	18th	3.4	4.9	3.3	7.6	7.9	7.5	75	69	77	75	69	77	75	69	77
May	016.0	19.2	50.7	51.6	48.4	54.3	44.2	49.3	67	24th	34	4th	44	8th	52	24th	3.4	3.2	2.2	9.8	10.3	9.9	78	79	83	78	79	83	78	79	83
June	012.2	15.4	54.9	57.9	52.9	60.4	47.8	54.1	69	6th	42	1st	52	29th	55	7th	4.9	6.5	4.0	10.4	10.5	10.3	71	65	76	71	65	76	71	65	76
July	013.9	17.1	54.5	57.9	53.1	60.1	48.4	54.3	74	11th	39	14th	52	7th	54	19th	3.8	5.0	3.3	11.0	11.5	10.9	76	71	80	76	71	80	76	71	80
Aug.	008.1	11.2	57.4	60.1	55.0	62.4	50.0	56.2	73	12th	38	25th	53	25th	57	11th	5.2	6.1	3.9	11.2	11.7	11.2	70	66	76	70	66	76	70	66	76
Sept.	007.4	10.7	52.7	56.7	51.4	58.8	45.5	52.2	71	10th	35	20th	48	27th	58	9th	3.2	5.3	2.8	10.9	11.0	10.6	80	70	81	80	70	81	80	70	81
Oct.	017.6	20.8	46.2	48.2	45.1	50.5	41.5	46.0	63	5th	34	12, 28	42	15th	54	5th	2.3	3.2	2.3	9.0	9.0	8.6	83	78	82	83	78	82	83	78	82
Nov.	004.7	08.0	35.4	37.9	36.0	40.1	32.2	36.2	54	23rd	13	14, 15	22	14th	42	5th	1.6	2.1	1.7	6.1	6.3	6.2	85	79	85	85	79	85	85	79	85
Dec.	007.7	01.0	38.3	39.7	38.5	42.1	35.4	38.8	52	20th	16	26th	33	25th	43	15th	1.6	2.1	2.2	6.8	6.9	6.6	85	83	82	85	83	82	85	83	82
Year	008.3	11.5	45.2	48.0	44.5	50.0	40.1	45.1	74	...	13	...	22	...	58	...	2.9	3.9	2.6	8.4	8.7	8.3	80	74	81	80	74	81	80	74	81

ESKDALEMUIR OBSERVATORY, DUMFRIESSHIRE.*

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

		9 h.		15 h.		21 h.												9 h.		15 h.		21 h.											
Jan.	976.1	05.2	34.7	36.7	34.5	38.3	30.4	34.4	45	15th	17	19th	34	19th	37	21st	1.1	1.3	0.9	6.2	6.6	6.1	90	89	89	90	89	89	90	89	89		
Feb.	980.7	10.2	30.7	36.1	31.1	37.2	26.8	32.0	45	14th	13	10th	30	8th	36	22nd	1.0	2.7	1.1	5.1	5.6	5.1	85	77	85	85	77	85	85	77	85		
March	980.1	09.5	32.7	37.2	31.5	39.0	25.2	32.1	46	10th	12	26th	32	21st	35	11th	1.8	2.9	1.3	5.1	5.8	5.1	79	76	83	79	76	83	79	76	83		
April	984.4	13.3	41.4	46.2	39.9	48.9	33.1	41.0	63	18th	21	26th	37	28th	46	18th	2.4	4.3	2.0	7.3	7.6	7.1	82	72	83	82	72	83	82	72	83		
May	989.5	17.9	53.2	59.0	48.9	61.5	41.9	51.7	75	30th	32	3rd	45	8th	49	14th	4.6	7.4	2.5	9.9	10.4	9.8	72	62	83	72	62	83	72	62	83		
June	989.1	17.5	54.0	56.8	50.0	59.9	43.2	51.6	75	12th	33	3rd	50	30th	53	5th	4.5	5.5	2.3	10.3	10.7	10.3	72	68	83	72	68	83	72	68	83		
July	989.2	17.4	54.7	60.1	51.6	62.8	43.0	52.9	71	9th	35	15th	52	4th	51	23rd	4.0	6.3	2.9	11.0	11.6	10.4	76	66	80	76	66	80	76	66	80		
Aug.	985.3	13.5	55.0	60.3	51.8	62.6	45.5	54.1	76	9th	33	28th	47	28th	53	8th	3.6	6.2	2.7	11.5	11.9	10.8	78	68	81	78	68	81	78	68	81		
Sept.	985.0	13.5	51.4	54.3	48.0	57.0	42.1	49.6	68	11th	27	28th	49	19th	55	5th	2.7	4.3	1.8	10.9	10.7	10.2	83	74	86	83	74	86	83	74	86		
Oct.	993.1	22.1	44.1	47.8	41.9	49.6	37.0	43.3	64	8th	29	14th	41	27th	51	5th	2.2	3.6	1.8	8.3	8.7	7.9	83	75	84	83	75	84	83	75	84		
Nov.	979.2	08.6	33.8	36.3	33.8	38.5	28.4	33.5	53	23rd	7	16th	30	14th	38	23rd	1.1	1.6	0.9	6.0	6.3	6.0	89	85	88	89	85	88	89	85	88		
Dec.	974.9	03.9	36.1	38.1	36.7	41.2	32.2	36.7	49	20th	14	26th	32	9th	42	20th	1.0	1.4	1.3	6.5	6.9	6.6	90	87	88	90	87	88	90	87	88		
Year	983.9	12.7	43.5	47.4	41.6	49.7	35.7	42.7	76	...	7	...	30	...	55	...	2.5	4.0	1.8	8.2	8.6	8.0	82	75	84	82	75	84	82	75	84		

HUDDERSFIELD, YORKSHIRE.*

Lat. 53° 39' N. Long. 1° 47' W. Heights above Mean Sea Level: Rain-gauge Site, H = 409 ft.; H_b = 411 ft.

1919.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.															HUMIDITY.												Earth Temp. At 1 foot.
	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.						
						Max.	Min.		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.					
°F.	°F.	°F.	°F.	°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.	990.6	05.9	36.0	37.9	35.8	39.8	32.6	36.2	51	15th	26	19th	33	31st	41	15th	1.1	1.4	1.1	6.5	6.9	6.4	90	88	89	36.5	41.1			
Feb.	993.6	09.3	32.4	36.6	33.7	37.9	29.3	33.6	46	22, 23	16	9, 10	31	8th	39	22nd	1.1	2.1	1.1	5.5	6.0	5.8	86	80	85	33.7	38.0			
March	993.7	09.2	35.8	40.2	35.5	41.6	31.5	36.6	53	2nd	23	23rd	34	21, 25	40	2nd	1.7	3.2	1.5	6.0	6.5	6.1	83	76	85	36.3	38.0			
April	998.6	13.8	44.2	48.7	43.0	50.7	37.8	44.3	60	18th	28	28th	42	1st	49	18th	2.6	4.7	2.2	8.1	8.2	7.9	81	70	83	42.3	44.0			
May	003.0	17.9	54.7	62.9	54.0	64.8	45.1	55.0	77	13th	37	3rd	47	7, 8	53	11, 24, 25	4.1	8.1	3.6	11.0	11.6	11.1	76	61	78	52.2	43.7			
June	003.6	18.6	57.0	63.4	55.1	66.0	48.7	57.4	82	7th	40	26th	57	30th	58	11th	4.6	7.6	3.2	11.6	12.2	11.9	74	62	81	60.8	52.7			
July	001.9	16.9	56.2	61.9	55.0	64.4	49.0	56.7	76	31st	42	30th	53	3rd	57	19th	3.8	6.3	2.7	11.9	12.5	12.2	78	67	85	58.0	54.1			
Aug.	999.7	14.5	59.1	64.8	57.2	67.4	51.9	59.7	79	9th	40	31st	51	28th	61	16th	3.8	7.0	3.1	13.3	13.5	13.0	78	65	81	60.2	55.1			
Sept.	999.7	14.7	54.1	60.2	52.6	62.6	46.8	54.7	83	11th	33	28th	53	19, 20, 28	60	5th	3.1	6.2	2.3	11.7	11.9	11.7	81	67	85	54.1	54.1			
Oct.	006.0	21.3	43.1	50.7	44.0	52.8	38.3	45.6	70	4th	32	15th	42	15th	46	2nd	2.0	4.4	1.8	8.1	9.3	8.6	85	73	87	44.6	44.6			
Nov.	992.6	08.1	36.1	39.0	37.2	41.4	33.1	37.3	56	23rd	22	14th	31	29th	49	23rd	1.0	1.6	1.1	6.6	7.1	6.9	90	87	90	38.5	44.7			
Dec.	990.6	05.8	40.7	41.7	39.8	45.2	35.7	40.5	53	20th	28	26th	37	25th	41	4, 5	1.4	1.8	1.3	7.7	7.8	7.5	89	86	89	38.0	44.7			
Year	997.8	13.0	45.8	50.7	45.2	52.9	40.0	46.5	83	...	16	...	31	...	61	...	2.5	4.5	2.1	9.0	9.5	9.1	83	74	85	46.3	44.7			

YARMOUTH (GORLESTON) a.

Lat 52° 35' N. Long. 1° 43' E. Heights above Mean Sea Level: Rain-gauge Site, H = 13 ft.; H_b = 16 ft.

Jan.	007.9	08.6	7 h.		13 h.		21 h.		Max.		Min.		Max.		Min.		Max.		Min.		Max.		Min.		Max.		Earth Temp.
			°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.	007.9	08.6	37.7	40.3	38.2	42.1	34.6	38.4	52	15th	29	27, 31	32	31st	42	15th	1.2	2.0	1.2	6.9	7.1	7.0	90	84	90	44.0	44.0
Feb.	008.8	09.4	35.2	39.3	35.9	40.7	31.8	36.3	51	21st	24	12th	32	8th	41	23rd	0.7	1.4	0.7	6.5	7.2	6.7	93	89	94	41.5	42.1
March	008.6	09.1	37.0	42.1	39.1	44.0	34.2	39.1	53	10, 11	26	30, 31	36	25th	42	12th	1.2	2.8	1.7	6.6	7.1	7.0	89	79	84	45.5	44.0
April	013.0	13.6	41.6	48.8	43.6	51.5	37.3	44.4	63	13th	29	1st	43	1st	47	12th	1.7	4.1	2.1	7.7	8.5	8.1	87	72	84	45.5	44.0
May	018.1	18.7	51.2	54.0	50.5	56.3	47.4	51.9	65	13th	37	3rd	50	5th	52	25th	2.3	3.2	2.0	10.8	11.1	10.7	84	79	87	55.8	55.8
June	018.4	18.6	55.2	60.1	55.0	62.6	49.4	56.0	78	12th	39	4th	53	3rd	57	7, 9	3.0	5.7	3.4	12.0	12.0	11.5	81	68	79	60.1	55.8
July	014.9	15.5	53.4	59.3	55.2	61.4	50.2	55.8	77	31st	43	16th	55	7th	59	18th	1.5	4.8	2.7	12.4	12.3	12.2	90	72	83	58.8	55.8
Aug.	014.3	14.8	57.1	65.3	59.6	69.2	52.9	61.1	85	10th	44	31st	59	30th	62	19th	2.5	6.0	3.5	13.3	14.3	13.6	84	69	79	61.5	55.8
Sept.	015.1	15.7	52.9	62.4	55.9	64.2	48.8	56.5	80	10th	33	20th	51	20th	62	11th	1.7	4.3	2.1	12.1	14.4	13.2	88	76	87	58.3	55.8
Oct.	019.1	19.6	43.2	51.3	45.9	53.4	39.8	46.6	63	6th	31	15, 16	45	28th	54	6th	0.7	2.4	1.1	8.9	10.8	9.7	94	83	93	49.6	55.8
Nov.	006.8	07.7	38.6	41.2	39.5	43.9	34.8	39.4	58	23rd	25	28th	38	27, 28	45	24th	1.6	2.2	1.3	6.9	7.2	7.3	87	83	90	42.0	44.0
Dec.	007.1	07.8	39.9	43.5	40.8	45.8	35.3	40.6	54	3rd	26	10th	39	10th	44	30, 31	1.2	1.8	1.3	7.5	8.2	7.7	91	86	90	40.0	44.0
Year	012.7	13.3	45.3	50.6	46.6	52.9	41.4	47.2	85	...	24	...	32	...	62	...	1.6	3.4	1.9	9.3	10.0	9.6	88	78	87	49.7	55.8

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_b = 34 ft.

Jan.	007.6	08.8	9 h.		15 h.		21 h.		Max.		Min.		Max.		Min.		Max.		Min.		Max.		Min.		Max.		Earth Temp.
			°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.	007.6	08.8	37.2	40.8	38.1	42.3	34.0	38.2	53	15th	27	27th	30	31st	44	15th	1.1	2.3	1.2	6.9	7.2	7.0	89	82	88	38.8	44.0
Feb.	007.6	08.9	35.2	39.7	36.5	41.2	32.5	36.9	53	22nd	21	9th	31	8th	47	21st	1.2	2.8	1.4	6.2	6.5	6.3	84	76	83	35.8	44.0
March	008.7	10.0	40.5	44.4	39.7	46.0	35.6	40.8	55	3rd	27	23rd	39	25th	50	11th	2.4	4.5	2.1	7.1	7.1	7.0	81	70	82	40.8	44.0
April	014.0	15.3	45.9	50.7	45.7	52.9	39.0	46.0	67	19th	30	1st	41	1st	51	11th	3.5	5.4	3.1	8.0	8.5	8.2	76	67	78	48.4	44.0
May	017.1	18.4	57.9	65.5	56.1	66.9	48.0	57.5	77	23rd	41	28th	54	7th	54	15th	5.4	9.9	5.0	11.3	11.3	10.8	70	53	71	54.3	44.0
June	019.3	20.6	60.3	66.7	59.2	68.9	50.4	59.7	82	11th	41	4th	57	26th	60	5th	6.5	10.6	6.0	11.6	11.4	11.5	65	52	67	59.2	44.0
July	016.2	17.5	57.2	63.3	58.1	65.3	51.3	58.3	77	18th	44	9th	55	8th	60	17th	4.0	7.0	3.8	12.1	12.5	12.7	76	64	77	59.2	44.0
Aug.	015.4	16.5	63.0	70.9	62.8	72.7	54.7	63.7	84	9th	45	28th	61	29th	66	19th	5.3	10.3	4.7	14.0	14.5	14.3	72	55	74	62.8	44.0
Sept.	015.7	16.9	56.5	64.0	56.1	65.7	48.6	57.2	83	11th	31	30th	54	20, 28	63	5th	3.3	7.2	2.5	12.7	13.0	13.2	80	63	84	58.6	44.0
Oct.	020.4	21.6	44.1	52.3	44.1	53.6	37.0	45.3	65	1st	28	23rd	44	28th	46	1, 25	2.2	5.2	2.0	8.4	9.2	8.5	84	68	86	40.6	44.0
Nov.	007.5	08.7	38.3	41.7	39.2	43.9	34.7	39.3	57	23rd	26	27th	36	27th	50	23rd	1.4	2.5	1.4	7.0	7.3	7.2	87	80	87	40.3	44.0
Dec.	008.9	10.1	42.6	45.5	42.8	48.0	37.6	42.8	54	23rd	23	9th	37	9th	49	29th	1.2	2.5	1.6	8.4	8.5	8.3	89	82	87	40.6	44.0
Year	013.2	14.4	48.2	53.8	48.2	55.6	42.0	48.8	84	...	21	...	30	...	66	...	3.1	5.9	2.9	9.5	9.8	9.6	79	68	80	43.8	44.0

FALMOUTH, CORNWALL,* a, e.

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

1919.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.														HUMIDITY.										Earth Temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	Station Level.	Mean Sea Level.	7 h.	13 h.	18 h.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						Max.	Min.		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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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SOUTHPORT, LANCASHIRE,* a.

Lat. 53° 39' N. Long. 2° 59' W. Heights above Mean Sea Level: Rain-gauge Site, H = 37 ft.; H_b = 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.	9 h.	15 h.	21 h.	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.	004.6	05.9	37.2	39.7	37.3	41.6	33.6	37.6	50	15th	26	28th	35	4th	42	15th	1.0	1.6	0.9	6.9	7.2	6.9	91	87	90	36.7	38.9
Feb.	007.6	09.2	34.3	39.5	35.0	40.8	31.4	36.1	50	22nd	19	10th	33	8th	42	22nd	1.0	2.8	1.1	6.1	6.5	6.2	87	78	87	34.2	38.9
March	008.3	09.9	38.1	41.1	37.1	43.2	33.0	38.1	54	2nd	26	23rd	37	19th	40	7, 11	1.8	3.1	1.7	6.6	6.8	6.4	85	77	84	37.7	44.1
April	013.4	15.0	44.6	47.8	43.5	49.8	39.6	44.7	59	11th	30	2, 21	43	27th	45	12, 18, 23	2.1	3.7	1.8	8.6	8.6	8.3	86	75	86	45.7	44.1
May	016.5	18.0	57.6	61.1	53.2	64.4	46.6	55.5	78	15th	38	8th	50	2nd	53	14, 15	5.6	6.5	2.7	11.1	12.1	11.4	69	66	81	56.0	51.4
June	018.3	19.8	57.9	59.5	55.0	62.1	50.7	56.4	80	7th	41	3, 26	55	29, 30	60	12th	5.2	5.3	3.0	11.5	12.3	12.1	71	71	81	61.5	58.9
July	016.6	18.3	57.7	60.5	55.8	62.1	51.2	56.7	70	31st	44	29th	57	1st	56	19, 24	3.8	4.9	2.2	12.5	13.0	13.0	77	72	86	61.3	58.9
Aug.	014.2	15.6	59.0	62.0	57.3	64.0	53.5	58.8	79	15th	44	29th	49	28th	60	17th	3.5	5.0	2.8	13.5	13.7	13.4	80	73	83	62.1	60.1
Sept.	013.9	15.3	55.3	59.2	53.8	60.5	48.6	54.6	77	11th	35	28th	51	28th	58	6, 9	2.9	4.9	2.5	12.4	12.5	12.1	81	72	84	56.0	57.1
Oct.	020.8	22.3	46.3	51.6	45.5	52.5	41.1	46.8	63	4th	33	26th	43	28th	49	7th	2.2	4.5	1.7	9.1	9.6	9.1	84	73	87	46.0	53.1
Nov.	007.2	08.7	37.5	39.9	38.0	42.6	33.7	38.2	55	23rd	21	16th	34	12, 29	47	23rd	1.2	1.9	1.2	6.9	7.2	7.1	89	85	89	38.0	41.1
Dec.	004.9	06.3	41.2	43.0	41.8	45.4	37.5	41.5	51	3rd	29	26th	38	9th	44	4th	1.3	1.7	1.5	8.0	8.2	8.0	90	87	88	38.5	41.1
Year	012.2	13.7	47.2	50.4	46.1	52.4	41.7	47.1	80	...	19	...	33	...	60	...	2.6	3.8	1.9	9.4	9.8	9.5	83	76	86	47.9	48.9

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_b = 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.	9 h.	15 h.	21 h.	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.	004.0	05.7	42.6	44.8	43.5	46.6	39.4	43.0	52	1st	30	4th	39	31st	48	24th	1.6	2.2	1.8	8.2	8.5	8.3	87	83	85	...	...
Feb.	002.4	04.1	42.4	45.9	43.7	46.6	39.4	43.0	52	21st	30	18th	40	1st	47	5th	2.3	2.9	2.5	7.7	8.4	7.9	82	79	80	...	...
March	010.5	12.2	41.2	45.0	41.7	46.6	36.7	41.7	51	10th	30	26th	39	21st	44	10th	2.2	3.5	2.0	7.4	7.8	7.6	83	76	84	...	...
April	017.8	19.4	48.0	50.2	46.4	51.4	42.3	46.9	60	20th	34	2nd	45	1st	50	10th	2.9	3.6	2.0	9.1	9.5	9.2	80	77	84	...	...
May	012.4	14.0	55.4	58.3	53.6	59.7	49.6	54.7	72	30th	38	7th	53	2nd	56	27th	3.2	3.8	2.2	12.0	12.8	12.0	81	78	86	...	...
June	021.6	23.2	57.0	58.8	55.2	60.6	51.1	55.9	68	2nd	42	14th	56	30th	55	4th	2.9	3.9	2.3	13.0	13.0	12.6	83	78	85	...	...
July	020.0	21.6	58.1	60.8	56.7	62.2	52.2	57.2	68	25th	47	23rd	58	2nd	59	24th	2.5	3.4	1.8	13.9	14.4	13.7	85	80	88	...	...
Aug.	016.2	17.8	61.3	63.7	59.2	65.1	55.4	60.3	72	8th	46	31st	56	29th	63	13th	2.5	3.8	2.0	15.7	15.8	15.0	85	79	87	...	...
Sept.	014.9	16.4	56.3	59.2	55.2	60.3	50.5	55.4	70	10th	42	28th	53	20th	59	4, 9	2.5	4.0	2.0	13.1	13.3	13.1	84	77	87	...	...
Oct.	022.9	24.5	50.9	54.0	51.1	55.0	47.3	51.2	65	7th	32	30th	46	29th	57	5th	2.2	3.6	2.5	11.1	11.2	10.9	85	77	83	...	...
Nov.	010.0	11.7	40.3	44.6	40.5	45.9	36.5	41.2	56	23rd	24	12th	38	14th	49	22nd	2.0	2.9	1.7	7.3	8.0	7.3	83	78	84	...	...
Dec.	006.6	08.3	46.6	48.0	46.6	50.2	42.4	46.3	54	5th	29	18th	45	8th	51	20th	1.6	2.1	2.2	9.5	9.7	9.1	87	85	84	...	...
Year	013.3	14.9	50.0	52.8	49.5	54.2	45.2	49.7	72	...	24	...	38	...	63	...	2.4	3.3	2.1	10.7	11.0	10.6	84	79	85	...	...

* 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: h₁ = 4 ft.; h₂ = 2 ft.; h₃ = 34 ft.; h₄ = 41 ft. Observations at 7 h., 13 h., 18 h. Temps. for 24 hours ending 7 h. Time G.M.T.

1919.	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.	18 h.	Clear Sky.	Overcast.	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.	%																											
Feb.	7.08	180	23	19th	2.19	68	26	6.6	7.4	7.0	1	10	26	24	3	0	6	0	1	10	3	4	42	2	12	10	2	5	12	21	19	10	
March	6.24	159	29	6th	2.14	60	22	7.7	8.1	7.2	3	15	18	15	1	0	1	0	10	6	3	3	37	2	11	11	16	22	6	6	6	4	
April	5.63	143	19	28th	4.39	136	37	7.4	7.1	6.6	1	12	27	20	2	0	7	0	9	11	4	2	42	0	21	14	3	2	3	17	9	24	
May	2.89	73	13	27th	5.97	179	44	6.4	7.1	5.7	1	7	16	12	4	0	6	4	3	8	3	5	42	1	20	3	4	6	2	8	16	30	
June	1.83	47	10	9th	5.94	184	39	7.4	6.9	5.4	1	11	12	8	0	0	0	3	13	0	0	38	4	4	8	23	10	9	19	6	10		
July	0.97	25	8	19th	7.67	230	48	6.1	6.5	5.3	3	7	11	5	0	0	0	5	0	1	1	50	1	17	2	2	10	3	16	6	33		
Aug.	0.70	18	7	1st	7.87	244	50	6.5	5.4	4.5	6	7	9	4	0	0	0	1	0	0	0	42	2	21	1	3	13	3	7	12	31		
Sept.	3.71	94	31	27th	7.32	227	51	5.7	5.9	4.5	4	6	15	12	0	0	0	0	0	0	0	26	0	19	0	3	7	3	24	16	21		
Oct.	1.71	43	11	4th	4.79	144	39	7.7	6.3	5.8	3	15	16	9	0	0	1	0	6	1	0	34	7	13	4	13	9	8	18	7	11		
Nov.	1.61	41	7	24th	5.13	159	49	5.2	6.4	4.6	1	2	15	11	0	0	3	0	7	4	0	29	2	30	11	4	14	6	3	6	17		
Dec.	3.58	91	16	8th	2.37	71	27	5.7	7.4	6.2	0	8	20	17	3	0	4	1	3	14	3	0	38	1	22	20	1	0	2	7	19	18	
	8.18	208	28	1st	1.74	54	22	7.5	7.4	7.3	2	15	31	27	0	0	5	2	3	4	12	5	57	1	4	0	0	2	9	26	34	17	
Year	44.13.	1122	31	...	4.81	1756	40	6.7	6.8	5.8	26	115	216	164	13	0	33	10	61	58	29	20	477	23	194	84	74	100	66	172	156	226	

ARMAGH,* a.

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

1919.	Mean Air Pressure.		AIR TEMPERATURE IN DEGREES FAHRENHEIT.																Humidity.												Earth Temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Station Level.	Mean Sea Level.	9 h.	...	21 h.	Means of			Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
						Max.	Min.	Max. and Min. combined.	Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	9 h.	...	21 h.	9 h.	...	21 h.	9 h.	...	21 h.	%	%	%	°F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

* 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: h₁ = 4 ft.; h_r = 1 ft.; h_a = 50 ft.; h_b = 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.)

1919.	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.	
	in.	mm.	mm.	hr.	hr.	%																										
Jan.	4.12	105	14	1st	1.97	61	25	7.2	...	8.1	3	20	26	18	4	8	1	1	6	14	0	0	12	21	5	2	7	4	18	27	8	1
Feb.	0.93	24	9	6th	2.82	79	30	6.7	...	6.4	6	16	10	5	2	0	2	0	5	14	0	0	4	25	3	13	12	16	10	1	0	1
March	2.43	62	17	18th	3.61	112	31	6.1	...	6.1	4	10	22	13	11	1	3	0	0	21	0	0	11	29	6	11	4	1	8	16	6	1
April	1.22	31	4	9th	5.27	158	38	6.5	...	5.9	4	10	21	10	2	1	2	2	0	6	0	0	11	9	19	1	2	2	5	28	13	1
May	1.80	46	10	1st	6.29	195	40	6.9	...	5.4	4	10	13	7	0	0	0	0	1	3	0	0	14	36	0	0	3	22	20	5	8	1
June	2.05	52	14	12th	5.30	159	31	7.8	...	7.0	0	14	17	13	0	0	0	2	1	0	0	0	5	28	12	2	0	1	7	26	5	1
July	0.63	16	7	18th	5.42	168	33	7.8	...	6.2	2	14	8	4	0	0	0	1	2	0	0	0	4	59	13	6	1	0	2	7	1	1
Aug.	3.24	82	17	24th	5.68	176	39	6.8	...	6.3	2	13	19	17	0	0	2	0	1	0	0	0	2	56	2	1	0	2	3	20	6	1
Sept.	3.17	80	29	11th	4.50	135	36	7.0	...	4.8	4	9	23	11	1	0	0	0	4	4	0	0	11	29	5	4	0	2	16	25	0	1
Oct.	1.49	38	10	22nd	3.35	104	32	6.2	...	6.2	4	10	15	8	0	0	2	2	1	10	0	0	5	44	14	6	0	0	11	16	9	1
Nov.	1.93	49	10	23rd	2.50	75	30	5.9	...	5.7	5	9	22	12	7	4	3	0	5	20	0	0	9	39	7	9	2	2	1	18	16	1
Dec.	6.14	156	32	22nd	1.35	42	19	6.3	...	6.6	1	10	29	22	3	1	3	0	5	4	0	0	21	9	1	1	0	4	19	39	16	1
Year	29.15	741	32	...	4.01	1464	33	6.8	...	6.2	39	145	225	140	30	15	18	8	31	96	0	0	109	384	87	56	31	56	120	231	72	1

METEOROLOGICAL OFFICE, SOUTH KENSINGTON,
March 23rd, 1920.