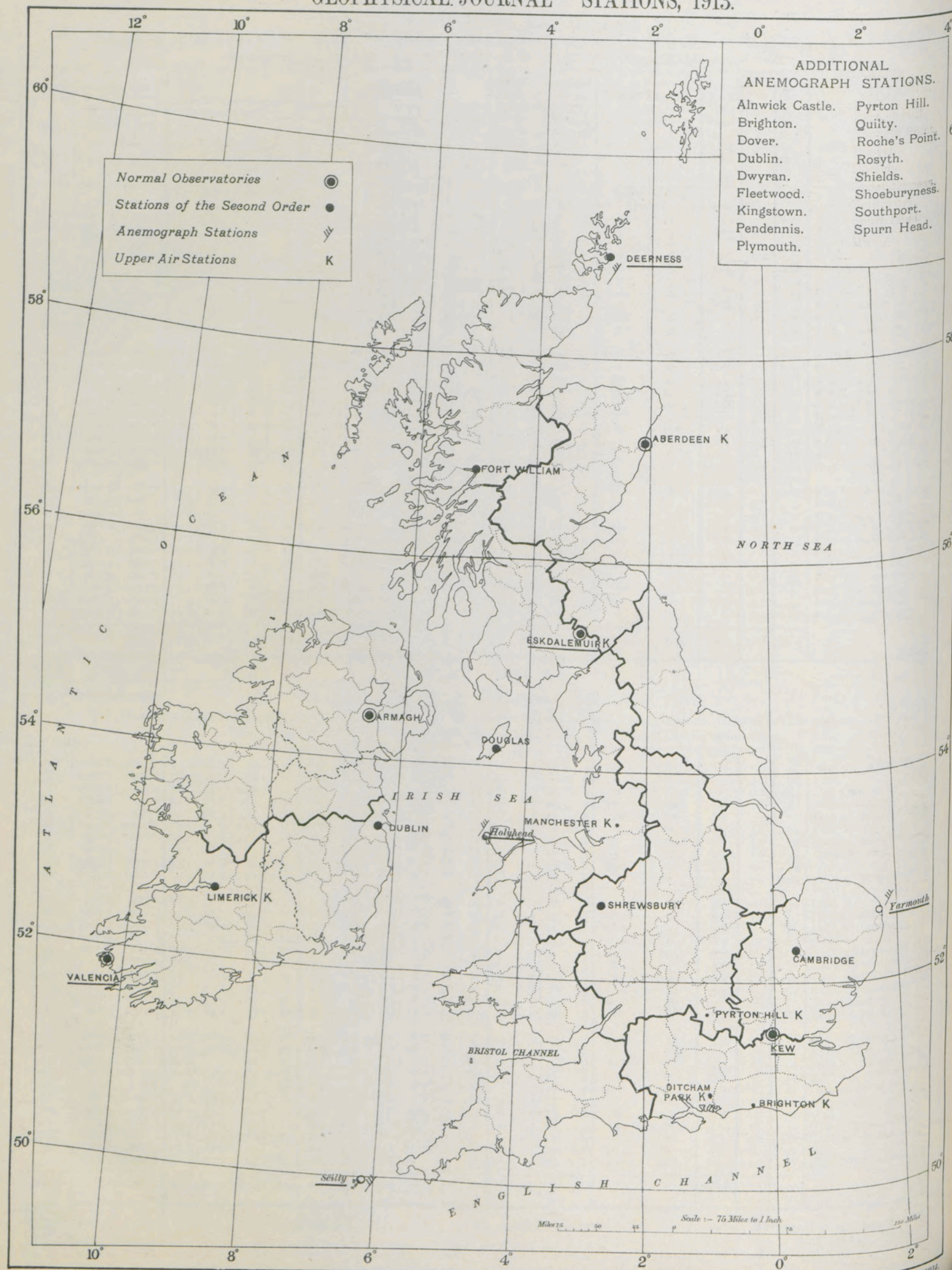


POSITIONS OF METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS AND
"GEOPHYSICAL JOURNAL" STATIONS, 1913.



M.O. No. 214c.

METEOROLOGICAL OFFICE.

DAILY READINGS

AT

METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS

For the Year 1913,

FORMING SECTION 1 OF PART III. OF THE BRITISH METEOROLOGICAL
AND MAGNETIC YEAR-BOOK FOR 1913.

Published by Authority of the Meteorological Committee.



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RESULTS FOR STATIONS OF THE FIRST AND SECOND ORDERS.

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Stations.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Aberdeen	1	5	9	13	17	21	25	29	33	37	41	45
Armagh	4	8	12	16	20	24	28	32	36	40	44	48
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
Shrewsbury	3	7	11	15	19	23	27	31	35	39	43	47

METEOROLOGICAL OFFICE.

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

INTRODUCTION TO THE TABLES FOR THE YEAR 1913.

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 monthly and annual summaries will be found in the Monthly Weather Report of the Meteorological Office which is issued as a supplement to the Weekly Weather Report. Daily Values for these Observatories and Tables of Wind Components for four anemograph stations will be found in the "Geophysical Journal," Part III, Section 2, of the Year Book.

In order to render the observations available for general use as early as possible, the volume appears in twelve 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.

RESULTS FOR STATIONS OF THE FIRST AND SECOND ORDERS.

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, and Tables for conversion from British to Metric Units are given on pp. vi-viii.

A list of stations with the names of the Observers and references to previous observations is given on p. ii. The following notes give additional information on the method of stating the results:—

LIST OF STATIONS OF THE FIRST AND SECOND ORDERS.

Station.	Observer.	Aver- ages.	Remarks.
Deerness . . .	M. Spence.	a.b	The following records for Orkney form an approximately homogeneous series: Stromness, 1827-32; Sandwick, 1832-85; Swanbister, 1886-90; Stenness, 1890-91; Deerness, since 1891. For data from 1827-59, see "Meteorological Observations taken at Orkney, with remarks on the Climate," by the Rev. Ch. Clouston (1861). J.S.M.S. from 1856, A. from 1886, B. from 1873, M. from 1902.
Aberdeen . . .	Prof. C. Niven, M.A., F.R.S. (for the Meteorological Office).	a.c.e	J.S.M.S. from 1907 (April), Q.W.R. 1869-1880, M. from 1888, B. from 1886.
Fort William . .	W. T. Kilgour.	a	J.S.M.S. from 1884, m. from 1890, M. from 1907.
Douglas . . .	F. Cottle (for the Borough of Douglas).	a	Transferred from Cronkbourne to Douglas in 1908, A. and B. from 1878, m. from 1884, M. from 1902.
Shrewsbury . . .	Capt. C. S. Reid, R.E., and Capt. H. E. F. Rathbone, R.E.	—	A. from 1908, M. from 1904.
Cambridge . . .	R. I. Lynch, M.A. (for the Botanic Gardens Syndicate).	a	Transferred from the Observatory to the Botanic Gardens in January 1904. Daily observations in "Daily Weather Report," 1872-99. Q.W.R. 1869-80, M. 1884-99 and from 1902, m. 1899-1901, A. and B. from 1899.
Armagh . . .	J. L. E. Dreyer, Ph.D.	a	Regular observations, but unpublished from 1833, less systematic records available since 1793. Q.W.R. 1869-80, A. and B. from 1884, m. from 1884, M. from 1902.
Dublin (Phoenix Park) .	The Superintendent (Ordnance Survey Office)	a	M.S. data from 1853, A. from 1886, B. from 1881, M. from 1902.

NOTES ON THE LIST OF STATIONS.

Information for Fort William has been supplied through the Scottish Meteorological Society.

For Aberdeen and Armagh, the records of the self-recording instruments for the years 1869-80 are reproduced in the "Quarterly Weather Report." Hourly readings have been published for the years 1881-83; lithographed copies of the hourly readings were prepared for the years 1874-80.

Detailed daily observations for about thirty stations in the British Islands are published in the "Daily Weather Report" of the Meteorological Office and abridged observations for about forty other stations.

Average 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. Appendix III. of "The Weekly Weather Report" for 1906. Monthly averages of mean maximum, mean minimum, and mean temperature, and of rainfall for the thirty-five years 1871-1905, and (when available) of bright sunshine for the twenty-five years 1881-1905.

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.

e. "Hourly Readings 1905-1910.

Publication of Data for past years.—In the list of stations reference is given to publications containing data for past years. The following abbreviations have been used for this purpose:—

A. Daily Values in "Observations at Stations of the Second Order."

B. Monthly Summaries till 1907 in "Observations at Stations of the Second Order."

M. Full Monthly Summaries in the "Monthly Weather Report."

m. Abridged Monthly Summaries in the "Monthly Weather Report."

Q.W.R. Monthly Summaries in the "Quarterly Weather Report, 1869-1880."

J.S.M.S. Monthly Summaries in the "Journal of the Scottish Meteorological Society."

Hours of Observation.—Local mean time is used for the observations at fixed hours at all stations, except Aberdeen and Fort William, at which Greenwich Mean Time is observed. In the remarks column Greenwich mean time or Dublin mean time is adopted, as the case may be.

Height of the Station.—The height of the station 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, the Mean Sea Level at Liverpool. A correction of - 7 feet has been applied to the heights of Irish stations above Irish Ordnance Datum to render them comparable with the heights of British stations. The height of the barometer H_b is the height of the cistern above Mean Sea Level. The height of the thermometers h_t is the height above the ground on which the screen stands: the height of the rain-gauge h_r is the height of the rim of the receiver above the ground in which the instrument is placed.

Barometer.—The values of pressure are given for Mean Sea Level, and the readings of the instruments have been corrected for the variation of gravity with latitude. The values are therefore in true units of pressure. They are expressed in millibars. 1 millibar = 10^3 dynes per square centimetre = 0.0295306 inches = 0.75006 millimetres.

Temperature.—The maximum and minimum thermometers are read and set at 21 h. The values are given in degrees absolute. The normal freezing point of water is 273° A., the normal boiling point, 373° A. Temperatures below 273° A. are printed in small type. The maximum and minimum values are indicated by the letters x and n respectively. The equation connecting pressure p , temperature T , and density ρ is $p = k\rho T$, and the value of the constant k is 2870.88 if p is in millibars, ρ in grammes per cubic centimetre, and T in degrees absolute.

Hygrometry.—The Tables used in the computation of the vapour pressure and percentage humidity are those prepared by the late Mr Glaisher. The vapour pressure is expressed in millibars.

Wind.—At stations provided with 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 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.

At the remaining stations the observations are estimates on the Beaufort Scale, 0-12. The following table, taken from the "Observer's Handbook," 1913 edition, may be used for a comparison between anemometer records and estimates on the Beaufort Scale:—

Beaufort Scale.	Metres per Second.	Miles per Hour.	Beaufort Scale.	Metres per Second.	Miles per Hour.	Beaufort Scale.	Metres per Second.	Miles per Hour.
0	Less than 0·3	Less than 1	5	8·1-10·7	19-24	9	20·8-24·4	47-54
1	0·3-1·5	1-3	6	10·8-13·8	25-31	10	24·5-28·4	55-63
2	1·6-3·3	4-7	7	13·9-17·1	32-38	11	28·5-33·5	64-75
3	3·4-5·4	8-12	8	17·2-20·7	39-46	12	above 33·5	above 75
4	5·5-8·0	13-18						

The wind direction is *true*, as opposed to *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	●	Mist	≡ ^o	Gale	↻
Snow	*	Hoar Frost	[Solar Corona	☉
Snow lying	☒	Dew	∩	Solar Halo	⊕
Snow Drift	⬆	Rime	∨	Lunar Corona	☾
Hail	▲	Glazed Frost	~	Lunar Halo	☾
Soft Hail	△	Thunderstorm	⚡	Rainbow	☂
Ice Crystals	⬆	Thunder	T	Aurora	☀
Fog	≡	Lightning	⚡	Haze	☁

The intensities of the various phenomena are indicated by appending indices or ² to them, thus:—

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 humidity and rainfall in each column are shown in heavy type; the extreme values of temperature by the letters *x* and *n*.

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 three appendices. Issued on Thursday 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 as a supplement to the Weekly Weather Report on the 27th day of each month. Price 6d. per number.

Part III. (in C.G.S. Units) (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. Price 6d. each part.

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

Part. IV. (in C.G.S. Units) (1) *Meteorological Office Observatories. Hourly Values from Autographic Records—Meteorological Section.* Hourly Readings from the self-recording meteorological instruments at three observatories, issued in monthly parts for each observatory. Price 6d. each part.

(2) *Meteorological Office Observatories. Hourly Values from Autographic Records—Geophysical Section.* Issued at the end of each year. Price 5s.

TABLES FOR CONVERTING FROM BRITISH TO METRIC UNITS,
AND VICE VERSA.

TABLE I.—PRESSURE.

Equivalents in Millibars of Inches of Mercury at 32° F and 45° Latitude.

For brevity, the fundamental equations may be written:—

$$g_{45} = 980.617 \text{ cm/sec}^2.$$

density of mercury at normal freezing-point of water = 13.5955.

1 mercury-inch = 33.8632 millibars; 1 millimetre = 1.33320 millibars.

1000 millibars = 1 bar = 29.5306 mercury-inches = 750.076 millimetres.

using 1 inch = 2.54000 cm.

Inches and Tenths.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
27.0	914.3	914.4	915.0	915.3	915.7	916.0	916.3	916.7	917.0	917.4
27.1	917.7	918.0	918.4	918.7	919.0	919.4	919.7	920.1	920.4	920.7
27.2	921.1	921.4	921.8	922.1	922.4	922.8	923.1	923.4	923.8	924.1
27.3	924.5	924.8	925.1	925.5	925.8	926.2	926.5	926.8	927.2	927.5
27.4	927.9	928.2	928.5	928.9	929.2	929.5	929.9	930.2	930.6	930.9
27.5	931.2	931.6	931.9	932.3	932.6	932.9	933.3	933.6	933.9	934.3
27.6	934.6	935.0	935.3	935.6	936.0	936.3	936.7	937.0	937.3	937.7
27.7	938.0	938.3	938.7	939.0	939.4	939.7	940.0	940.4	940.7	941.1
27.8	941.4	941.7	942.1	942.4	942.8	943.1	943.4	943.8	944.1	944.4
27.9	944.8	945.1	945.5	945.8	946.1	946.5	946.8	947.2	947.5	947.8
28.0	948.2	948.5	948.8	949.2	949.5	949.9	950.2	950.5	950.9	951.2
28.1	951.6	951.9	952.2	952.6	952.9	953.3	953.6	953.9	954.3	954.6
28.2	954.9	955.3	955.6	956.0	956.3	956.6	957.0	957.3	957.7	958.0
28.3	958.3	958.7	959.0	959.3	959.7	960.0	960.4	960.7	961.0	961.4
28.4	961.7	962.1	962.4	962.7	963.1	963.4	963.7	964.1	964.4	964.8
28.5	965.1	965.4	965.8	966.1	966.5	966.8	967.1	967.5	967.8	968.2
28.6	968.5	968.8	969.2	969.5	969.8	970.2	970.5	970.9	971.2	971.5
28.7	971.9	972.2	972.6	972.9	973.2	973.6	973.9	974.2	974.6	974.9
28.8	975.3	975.6	975.9	976.3	976.6	977.0	977.3	977.6	978.0	978.3
28.9	978.6	979.0	979.3	979.7	980.0	980.3	980.7	981.0	981.4	981.7
29.0	982.0	982.4	982.7	983.1	983.4	983.7	984.1	984.4	984.7	985.1
29.1	985.4	985.8	986.1	986.4	986.8	987.1	987.5	987.8	988.1	988.5
29.2	988.8	989.1	989.5	989.8	990.2	990.5	990.8	991.2	991.5	991.9
29.3	992.2	992.5	992.9	993.2	993.6	993.9	994.2	994.6	994.9	995.2
29.4	995.6	995.9	996.3	996.6	996.9	997.3	997.6	998.0	998.3	998.6
29.5	999.0	999.3	999.6	1000.0	1000.3	1000.7	1001.0	1001.3	1001.7	1002.0
29.6	1002.4	1002.7	1003.0	1003.4	1003.7	1004.0	1004.4	1004.7	1005.1	1005.4
29.7	1005.7	1006.1	1006.4	1006.8	1007.1	1007.4	1007.8	1008.1	1008.5	1008.8
29.8	1009.1	1009.5	1009.8	1010.1	1010.5	1010.8	1011.2	1011.5	1011.9	1012.2
29.9	1012.5	1012.8	1013.2	1013.5	1013.9	1014.2	1014.5	1014.9	1015.2	1015.6
30.0	1015.9	1016.2	1016.6	1016.9	1017.3	1017.6	1017.9	1018.3	1018.6	1018.9
30.1	1019.3	1019.6	1020.0	1020.3	1020.6	1021.0	1021.3	1021.7	1022.0	1022.3
30.2	1022.7	1023.0	1023.4	1023.7	1024.0	1024.4	1024.7	1025.0	1025.4	1025.7
30.3	1026.1	1026.4	1026.7	1027.1	1027.4	1027.7	1028.1	1028.4	1028.8	1029.1
30.4	1029.4	1029.8	1030.1	1030.5	1030.8	1031.1	1031.5	1031.8	1032.2	1032.5
30.5	1032.8	1033.2	1033.5	1033.8	1034.2	1034.5	1034.9	1035.2	1035.5	1035.9
30.6	1036.2	1036.6	1036.9	1037.2	1037.6	1037.9	1038.3	1038.6	1038.9	1039.3
30.7	1039.6	1039.9	1040.3	1040.6	1041.0	1041.3	1041.6	1042.0	1042.3	1042.6
30.8	1043.0	1043.3	1043.7	1044.0	1044.3	1044.7	1045.0	1045.4	1045.7	1046.0
30.9	1046.4	1046.7	1047.1	1047.4	1047.7	1048.1	1048.4	1048.7	1049.1	1049.4
	Thousandths of an Inch.									
Inch.	.001	.002	.003	.004	.005	.006	.007	.008	.009	
Millibars.	.0	.1	.1	.1	.2	.2	.2	.3	.3	

TABLE II.—TEMPERATURE.

*Degrees Absolute to Degrees Fahrenheit.*The equations are $A = 273 + \frac{5}{9}(F - 32)$, $F = 32 + \frac{9}{5}(A - 273)$.

Degrees Absolute.	0	1	2	3	4	5	6	7	8	9
	Degrees Fahrenheit.									
250	-9.4	-9.2	-9.0	-8.9	-8.7	-8.5	-8.3	-8.1	-8.0	-7.8
251	-7.6	-7.4	-7.2	-7.1	-6.9	-6.7	-6.5	-6.3	-6.2	-6.0
252	-5.8	-5.6	-5.4	-5.3	-5.1	-4.9	-4.7	-4.5	-4.4	-4.2
253	-4.0	-3.8	-3.6	-3.5	-3.3	-3.1	-2.9	-2.7	-2.6	-2.4
254	-2.2	-2.0	-1.8	-1.7	-1.5	-1.3	-1.1	-0.9	-0.8	-0.6
255	-0.4	-0.2	0.0	+0.1	+0.3	+0.5	+0.7	+0.9	+1.0	+1.2
256	+1.4	+1.6	+1.8	+1.9	+2.1	+2.3	+2.5	+2.7	+2.8	+3.0
257	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.6	4.8
258	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.4	6.6
259	6.8	7.0	7.2	7.3	7.5	7.7	7.9	8.1	8.2	8.4
260	8.6	8.8	9.0	9.1	9.3	9.5	9.7	9.9	10.0	10.2
261	10.4	10.6	10.8	10.9	11.1	11.3	11.5	11.7	11.8	12.0
262	12.2	12.4	12.6	12.7	12.9	13.1	13.3	13.5	13.6	13.8
263	14.0	14.2	14.4	14.5	14.7	14.9	15.1	15.3	15.4	15.6
264	15.8	16.0	16.2	16.3	16.5	16.7	16.9	17.1	17.2	17.4
265	17.6	17.8	18.0	18.1	18.3	18.5	18.7	18.9	19.0	19.2
266	19.4	19.6	19.8	19.9	20.1	20.3	20.5	20.7	20.8	21.0
267	21.2	21.4	21.6	21.7	21.9	22.1	22.3	22.5	22.6	22.8
268	23.0	23.2	23.4	23.5	23.7	23.9	24.1	24.3	24.4	24.6
269	24.8	25.0	25.2	25.3	25.5	25.7	25.9	26.1	26.2	26.4
270	26.6	26.8	27.0	27.1	27.3	27.5	27.7	27.9	28.0	28.2
271	28.4	28.6	28.8	28.9	29.1	29.3	29.5	29.7	29.8	30.0
272	30.2	30.4	30.6	30.7	30.9	31.1	31.3	31.5	31.6	31.8
273	32.0	32.2	32.4	32.5	32.7	32.9	33.1	33.3	33.4	33.6
274	33.8	34.0	34.2	34.3	34.5	34.7	34.9	35.1	35.2	35.4
275	35.6	35.8	36.0	36.1	36.3	36.5	36.7	36.9	37.0	37.2
276	37.4	37.6	37.8	37.9	38.1	38.3	38.5	38.7	38.8	39.0
277	39.2	39.4	39.6	39.7	39.9	40.1	40.3	40.5	40.6	40.8
278	41.0	41.2	41.4	41.5	41.7	41.9	42.1	42.3	42.4	42.6
279	42.8	43.0	43.2	43.3	43.5	43.7	43.9	44.1	44.2	44.4
280	44.6	44.8	45.0	45.1	45.3	45.5	45.7	45.9	46.0	46.2
281	46.4	46.6	46.8	46.9	47.1	47.3	47.5	47.7	47.8	48.0
282	48.2	48.4	48.6	48.7	48.9	49.1	49.3	49.5	49.6	49.8
283	50.0	50.2	50.4	50.5	50.7	50.9	51.1	51.3	51.4	51.6
284	51.8	52.0	52.2	52.3	52.5	52.7	52.9	53.1	53.2	53.4
285	53.6	53.8	54.0	54.1	54.3	54.5	54.7	54.9	55.0	55.2
286	55.4	55.6	55.8	55.9	56.1	56.3	56.5	56.7	56.8	57.0
287	57.2	57.4	57.6	57.7	57.9	58.1	58.3	58.5	58.6	58.8
288	59.0	59.2	59.4	59.5	59.7	59.9	60.1	60.3	60.4	60.6
289	60.8	61.0	61.2	61.3	61.5	61.7	61.9	62.1	62.2	62.4
290	62.6	62.8	63.0	63.1	63.3	63.5	63.7	63.9	64.0	64.2
291	64.4	64.6	64.8	64.9	65.1	65.3	65.5	65.7	65.8	66.0
292	66.2	66.4	66.6	66.7	66.9	67.1	67.3	67.5	67.6	67.8
293	68.0	68.2	68.4	68.5	68.7	68.9	69.1	69.3	69.4	69.6
294	69.8	70.0	70.2	70.3	70.5	70.7	70.9	71.1	71.2	71.4
295	71.6	71.8	72.0	72.1	72.3	72.5	72.7	72.9	73.0	73.2
296	73.4	73.6	73.8	73.9	74.1	74.3	74.5	74.7	74.8	75.0
297	75.2	75.4	75.6	75.7	75.9	76.1	76.3	76.5	76.6	76.8
298	77.0	77.2	77.4	77.5	77.7	77.9	78.1	78.3	78.4	78.6
299	78.8	79.0	79.2	79.3	79.5	79.7	79.9	80.1	80.2	80.4
300	80.6	80.8	81.0	81.1	81.3	81.5	81.7	81.9	82.0	82.2
301	82.4	82.6	82.8	82.9	83.1	83.3	83.5	83.7	83.8	84.0
302	84.2	84.4	84.6	84.7	84.9	85.1	85.3	85.5	85.6	85.8
303	86.0	86.2	86.4	86.5	86.7	86.9	87.1	87.3	87.4	87.6
304	87.8	88.0	88.2	88.3	88.5	88.7	88.9	89.1	89.2	89.4
305	89.6	89.8	90.0	90.1	90.3	90.5	90.7	90.9	91.0	91.2
306	91.4	91.6	91.8	91.9	92.1	92.3	92.5	92.7	92.8	93.0
307	93.2	93.4	93.6	93.7	93.9	94.1	94.3	94.5	94.6	94.8
308	95.0	95.2	95.4	95.5	95.7	95.9	96.1	96.3	96.4	96.6
309	96.8	97.0	97.2	97.3	97.5	97.7	97.9	98.1	98.2	98.4
310	98.6	98.8	99.0	99.1	99.3	99.5	99.7	99.9	100.0	100.2

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

TABLE III.—VAPOUR PRESSURE. Inches to Millibars.

Inches.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
0.0	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0
0.1	3.4	3.7	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.5
0.2	6.8	7.1	7.5	7.8	8.2	8.5	8.8	9.2	9.5	9.8
0.3	10.2	10.5	10.8	11.2	11.5	11.9	12.2	12.5	12.9	13.2
0.4	13.6	13.9	14.2	14.6	14.9	15.2	15.6	15.9	16.3	16.6
0.5	17.0	17.3	17.6	18.0	18.3	18.6	19.0	19.3	19.6	20.0
0.6	20.3	20.7	21.0	21.4	21.7	22.0	22.4	22.7	23.0	23.4
0.7	23.7	24.0	24.4	24.7	25.1	25.4	25.8	26.1	26.4	26.8
0.8	27.1	27.4	27.8	28.1	28.5	28.8	29.1	29.5	29.8	30.2
0.9	30.5	30.8	31.2	31.5	31.9	32.2	32.5	32.9	33.2	33.5
1.0	33.9	34.2	34.5	34.9	35.2	35.6	35.9	36.2	36.6	36.9

TABLE IV.—RAINFALL. Inches to Millimetres.

Inches.	0	1	2	3	4	5	6	7	8	9
	Millimetres.									
0.0	0.00	0.25	0.51	0.76	1.02	1.27	1.52	1.78	2.03	2.29
0.1	2.54	2.79	3.05	3.30	3.56	3.81	4.06	4.32	4.57	4.83
0.2	5.08	5.33	5.59	5.84	6.10	6.35	6.60	6.86	7.11	7.37
0.3	7.62	7.87	8.13	8.38	8.64	8.89	9.14	9.40	9.65	9.91
0.4	10.16	10.41	10.67	10.92	11.18	11.43	11.68	11.94	12.19	12.45
0.5	12.70	12.95	13.21	13.46	13.72	13.97	14.22	14.48	14.73	14.99
0.6	15.24	15.49	15.75	16.00	16.26	16.51	16.76	17.02	17.27	17.53
0.7	17.78	18.03	18.29	18.54	18.80	19.05	19.30	19.56	19.81	20.07
0.8	20.32	20.57	20.83	21.08	21.34	21.59	21.84	22.10	22.35	22.61
0.9	22.86	23.11	23.37	23.62	23.88	24.13	24.38	24.64	24.89	25.15
1.0	25.40	25.65	25.91	26.16	26.42	26.67	26.92	27.18	27.43	27.69
1.1	27.94	28.19	28.45	28.70	28.96	29.21	29.46	29.72	29.97	30.23
1.2	30.48	30.73	30.99	31.24	31.50	31.75	32.00	32.26	32.51	32.77
1.3	33.02	33.27	33.53	33.78	34.04	34.29	34.54	34.80	35.05	35.31
1.4	35.56	35.81	36.07	36.32	36.58	36.83	37.08	37.34	37.59	37.85
1.5	38.10	38.35	38.61	38.86	39.12	39.37	39.62	39.88	40.13	40.39
1.6	40.64	40.89	41.15	41.40	41.66	41.91	42.16	42.42	42.67	42.93
1.7	43.18	43.43	43.69	43.94	44.20	44.45	44.70	44.96	45.21	45.47
1.8	45.72	45.97	46.23	46.48	46.74	46.99	47.24	47.50	47.75	48.01
1.9	48.26	48.51	48.77	49.02	49.28	49.53	49.78	50.04	50.29	50.55
2.0	50.80	51.05	51.31	51.56	51.82	52.07	52.32	52.58	52.83	53.09

TABLE V.—WIND VELOCITY. Miles per Hour to Metres per Second.
1 mile per hour = 0.44704 metres per second.

Miles per Hour.	0	1	2	3	4	5	6	7	8	9
	Metres per Second.									
0	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0
10	4.5	4.9	5.4	5.8	6.3	6.7	7.2	7.6	8.0	8.5
20	8.9	9.4	9.8	10.3	10.7	11.2	11.6	12.1	12.5	13.0
30	13.4	13.9	14.3	14.8	15.2	15.7	16.1	16.5	17.0	17.4
40	17.9	18.3	18.8	19.2	19.7	20.1	20.6	21.0	21.5	21.9
50	22.4	22.8	23.3	23.7	24.1	24.6	25.0	25.5	25.9	26.4
60	26.8	27.3	27.7	28.2	28.6	29.1	29.5	30.0	30.4	30.9
70	31.3	31.7	32.2	32.6	33.1	33.5	34.0	34.4	34.9	35.3
80	35.8	36.2	36.7	37.1	37.6	38.0	38.4	38.9	39.3	39.8
90	40.2	40.7	41.1	41.6	42.0	42.5	42.9	43.4	43.8	44.3
100	44.7	45.2	45.6	46.0	46.5	46.9	47.4	47.8	48.3	48.7
110	49.2	49.6	50.1	50.5	51.0	51.4	51.9	52.3	52.8	53.2
120	53.6	54.1	54.5	55.0	55.4	55.9	56.3	56.8	57.2	57.7
130	58.1	58.6	59.0	59.5	59.9	60.4	60.8	61.2	61.7	62.1
140	62.6	63.0	63.5	63.9	64.4	64.8	65.3	65.7	66.2	66.6

METEOROLOGICAL OFFICE, LONDON, S.W.,
5th March 1914.

W. N. SHAW, Director.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNES, ORKNEY, a.b.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=48.8 m.; Barometer, H₀=49.7 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)	Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
						Dep. of Wet.		Vapour Pressure.		Percent- age.														
		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.	200 +	200 +	200 +	200 +			millibar.	%	%	*	*	Tenths of Sky covered.		mm.	hr.	°							
1	1000.3	1001.0	76.9	76.5	79	76	0.7	0.4	7.1	7.5	90	93	20	7	20	4	2	100	1.8	0.2	—	Fair till 20 h., then ☉.		
2	1000.9	999.6	77.0	79.1	80	75	0.5	0.7	7.5	8.5	93	90	18	5	14	11	4	10	1.8	—	—	Fair a.		
3	1000.0	997.7	77.0	79.1	80	75	0.5	0.7	7.5	8.5	93	90	18	5	14	11	4	10	1.8	—	—	Fair a.		
4	997.8	1001.7	78.9	79.5	80	78	0.2	0.5	8.8	9.2	96	93	16	10	16	11	8	0	0	—	3.4	—	☉ showers a. Fair p.	
5	1004.7	1006.4	80.0	78.1	81	78	1.1	1.0	8.5	7.5	85	86	18	15	18	8	0	0	—	—	—	—	☉ 5 h. and 7 h. Fair.	
6	1007.1	1004.7	78.1	75.6	79	76	0.9	0.7	7.8	6.5	88	88	17	7	20	2	9	0	—	—	—	—	Fair all day. Rough sea.	
7	1007.1	1003.3	78.1	75.6	79	76	0.9	0.7	7.8	6.5	88	88	17	7	20	2	9	0	—	—	—	—	a. Fine and dry.	
8	997.6	1005.4	80.9	81.1	81	79	0.9	0.5	9.5	9.8	89	93	14	14	16	9	2	10	4	—	3.9	—	Red sunrise. Fair.	
9	1006.7	1009.4	80.2	79.9	82	80	0.5	1.0	9.5	8.5	93	87	14	14	14	15	100	100	—	—	—	—	Very dull a. ☉ 17 h. and 19 h.	
10	1010.8	1013.8	78.9	79.5	81	79	0.7	0.8	8.5	8.5	90	89	14	17	12	17	100	100	—	—	—	—	☉ 7 h.-15 h. and 18 h.-24 h.	
	1016.9	1016.6	78.4	78.1	80	78	1.4	2.1	7.1	6.1	82	72	12	19	12	22	10	10	—	—	—	—	☉ 1 h.-24 h.	
11	1007.8	1007.1	76.0	76.1	79	76	0.9	1.6	6.5	5.8	86	76	12	24	12	21	100	100	2.0	—	—	—	☉ 1 h.-24 h. [after 16 h.	
12	1010.5	1011.8	75.7	75.0	77	74	1.2	0.9	6.1	6.1	81	85	12	19	12	14	10	100	5.1	—	—	—	☉ 1 h.-9 h. and 11 h.-12 h. *	
13	1012.1	1013.5	75.7	74.3	76	74	1.8	0.9	5.4	5.4	74	83	12	14	10	12	5	2	6.1	0.1	—	—	* ☉ showers.	
14	1008.1	1003.7	75.6	77.4	79	74	1.1	0.9	6.1	5.5	82	87	14	13	12	20	7	9	7.1	0.4	—	—	* ☉ showers. ☉ 19 h.-24 h.	
15	1000.0	992.8	75.9	77.2	79	75	0.7	0.2	6.8	8.2	89	97	10	18	12	18	100	100	8.1	—	—	—	☉ 1 h.-5 h. and 7 h.-21 h.	
16	993.9	996.9	77.8	77.9	79	77	0.2	1.2	8.5	7.1	98	83	12	13	14	10	10	7	1.9	1.1	—	—	☉ showers a. and a. p.	
17	998.3	998.9	77.8	77.5	79	77	0.5	1.0	8.2	7.1	93	85	14	9	14	6	7	8	—	0.7	—	—	☉ showers a. ☉ p.	
18	998.6	998.6	77.8	78.0	79	77	1.3	0.6	7.1	7.8	83	91	14	11	14	7	3	2	—	—	—	—	Fair and breezy.	
19	1002.3	999.6	77.8	77.3	79	77	0.7	0.6	7.8	7.5	89	91	14	3	12	8	10	3	0.9	—	—	—	Fair all day.	
20	996.2	997.6	77.8	77.2	79	77	0.5	0.4	8.2	7.8	93	94	10	11	10	15	90	100	1.5	—	—	—	☉ a. and p.	
21	1006.7	1013.2	75.6	74.3	78	74	1.1	1.5	6.1	5.1	83	73	10	9	14	3	5	0	—	3.1	—	—	Fair a. Frosty p.	
22	1014.2	1008.8	75.6	75.2	77	74	0.7	1.3	6.5	5.8	90	79	16	8	16	12	8	10	—	2.6	—	—	Fine and frosty a.	
23	1003.3	1004.7	76.7	75.6	77	75	0.5	1.3	7.5	7.1	94	97	14	2	—	—	100	10	1.5	0.4	—	—	Mild and muggy p.	
24	1001.0	1000.6	76.5	74.0	77	74	0.7	1.2	6.8	5.1	88	78	18	4	30	7	10	3	—	—	—	—	Dull and damp a.	
25	1008.4	1020.3	75.4	73.4	76	73	0.5	0.9	6.8	5.4	91	84	2	12	32	2	4	0	1.8	2.4	—	—	Squally a. Fine and frosty p.	
26	1022.0	1018.3	74.5	76.0	76	74	0.6	1.1	6.1	6.1	90	82	22	5	20	5	1	10	—	3.0	—	—	Frosty a. Very fine.	
27	1016.6	1014.5	76.8	77.8	79	75	0.7	0.5	7.1	7.8	90	93	14	3	12	13	7	100	—	0.2	—	—	Overcast and squally.	
28	1013.8	1013.5	77.2	77.8	79	77	1.1	0.7	7.5	7.1	85	90	14	18	12	20	10	10	—	—	—	—	☉ 9 h.-11 h. and 13 h.-24 h.	
29	1009.1	1003.0	77.2	78.3	79	76	0.5	0.2	7.5	8.5	92	97	14	18	14	15	10	100	3.6	—	—	—	☉ 1 h.-12 h. ☉ from 21 h.	
30	994.2	968.1	78.5	77.4	79	77	0.7	0.2	8.2	8.2	91	98	16	14	16	16	9	100	4.6	—	—	—	☉ 16 h.-20 h. ☉ p.	
31	972.2	980.7	74.5	74.3	78	76	0.5	0.4	6.5	6.1	93	93	22	9	20	10	8	3	0.8	0.2	—	—	☉ showers a. <	
Mean	1004.0	1004.0	77.2	77.0	78.7	75.9	0.8	0.8	7.4	7.2	89	88	11.3	11.1	7.0	7.1	48.6	0.73	—	—	—	—		
Mean barometer at mean sea level.	997.9	997.8																						

ABERDEEN. a.e.—JANUARY 1913.

ABERDEEN, a.e.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=14.0 m.; Barometer, H₀=26.8 m. Heights above Ground:—Therms., h₁=12.5 m.
Rain-gauge, h_r=0.6 m. Lat. 57° 10' N. Long. 2° 6' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)	Air
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FORT WILLIAM, INVERNESS-SHIRE, a.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, $H_b=11.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $56^\circ 49' N$. Long. $5^\circ 7' W$. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.	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.		200+	200+	200+	200+																	
1	1004.7	1004.7	76.9	76.8	79	76	0.6	0.6	7.5	7.5	91	91	20	3	20	3	10	6	mm.	hr.			
2	1004.0	998.6	77.3	80.2	81	76	1.1	1.1	6.8	8.5	84	85	22	2	20	4	7	10	14.5	—	—	Dull and showery.	
3	1001.0	994.2	79.0	80.8	81	78	0.5	2.7	8.8	7.1	92	68	20	2	20	6	10	7	14.7	—	—	Fair generally. • in evening	
4	994.2	1003.7	78.0	78.6	83	76	1.0	1.9	7.5	6.8	85	76	20	5	20	3	10	7	8.6	—	—	Fair generally.	
5	1007.1	1009.1	76.3	75.6	79	75	1.1	0.9	6.5	6.5	83	85	22	1	20	2	9	1	13.7	—	—	Showery.	
6	1008.4	1002.7	76.0	79.7	80	74	1.5	1.2	6.1	8.2	79	83	20	4	20	2	10	2	2.3	—	—	Fair to fine.	
7	997.9	1004.0	83.8	83.5	85	82	1.8	1.6	10.2	10.2	79	81	20	6	20	5	10	2	2.8	—	—	Snow on hills. Fair generally	
8	1004.4	1005.7	84.0	83.0	85	82	2.7	2.9	9.2	8.2	70	67	20	3	20	5	10	10	9.1	—	—	Fair, with sunny intervals.	
9	1005.4	1007.1	81.8	82.5	85	81	2.7	2.8	7.8	7.8	68	67	16	5	18	5	10	0	0.3	—	—	Sunny intervals. • in evening	
10	1011.5	1010.1	80.8	78.5	84	79	2.2	2.2	7.8	6.5	73	72	16	6	16	5	9	0	—	—	—	Fair, with sunny intervals.	
11	999.3	1000.0	75.2	75.9	79	75	1.1	2.0	5.8	5.4	81	71	14	8	12	7	10	10	3.6	—	—	Fair, with sunny intervals.	
12	1004.0	1006.4	75.7	75.9	77	75	2.0	2.0	5.1	5.4	71	71	12	6	4	2	10	10	—	—	—	* & sleet all day.	
13	1008.1	1009.1	75.2	73.6	76	72	2.3	1.6	4.8	4.4	65	71	12	3	24	2	2	4	—	—	—	Fair generally.	
14	1005.0	997.2	74.1	75.8	77	72	2.4	2.3	4.1	5.1	60	67	16	3	16	4	2	4	0.3	—	—	Clear, crisp, and sunny.	
15	990.1	988.8	77.4	77.8	79	76	2.0	2.1	6.1	6.1	71	71	4	5	12	2	10	8	0.3	—	—	Clear, crisp, and sunny.	
16	991.8	994.5	76.9	77.5	79	75	2.8	1.4	5.1	6.8	63	79	12	3	24	3	3	8	2.3	—	—	Showery all day.	
17	995.2	996.2	77.4	77.7	79	75	2.2	2.5	5.8	5.8	70	66	4	3	24	3	3	10	0.8	—	—	Generally showery.	
18	995.9	1000.6	78.1	76.3	79	76	2.2	0.6	6.1	7.1	71	91	8	3	24	2	9	7	—	—	—	Fair to fine.	
19	1002.0	993.9	73.4	78.0	78	73	0.5	2.3	5.8	6.1	89	69	Calms	0	9	9	10	9	1.3	—	—	Showery, fair intervals.	
20	989.8	992.8	78.2	77.3	79	77	1.9	1.6	6.5	6.5	75	77	8	3	12	4	7	10	0.3	—	—	Cloudy, but fair.	
21	1003.0	1012.8	75.3	75.0	78	74	0.8	1.0	6.1	6.1	86	84	Calms	0	Calms	0	10	10	—	—	—	Fair generally. Snow on hills	
22	1015.5	1006.1	72.6	74.2	76	71	1.2	1.1	4.4	5.4	70	79	4	2	4	5	10	10	0.8	—	—	Cloudy, but fair.	
23	1003.3	1005.7	71.9	73.6	75	70	0.7	1.4	4.8	4.8	80	73	Calms	0	Calms	0	10	10	—	—	—	Frosty, ∞ at times.	
24	998.3	1001.7	74.5	75.8	76	72	0.5	1.7	6.1	5.4	92	74	Calms	0	4	5	10	0	3.3	—	—	* (sleet) most of day.	
25	1010.8	1023.0	72.4	72.0	76	72	0.6	0.7	4.4	4.8	75	81	Calms	0	Calms	0	2	10	2.5	—	—	Crisp and clear. Sunny intervals	
26	1025.7	1020.3	69.7	76.3	77	69	0.6	1.6	3.4	5.8	74	75	Calms	0	20	2	1	0	—	—	—	Fine and frosty.	
27	1014.9	1010.8	75.8	78.6	79	75	1.0	3.0	6.5	5.8	85	64	Calms	0	12	4	10	10	0.3	—	—	Fresh, dull, and hazy.	
28	1008.8	1008.4	78.6	79.0	80	77	2.8	2.7	5.8	6.1	66	67	4	3	12	4	10	10	—	—	—	Dull and hazy. • n.	
29	1006.7	1004.4	79.8	79.7	81	78	1.9	0.6	7.5	8.8	75	91	20	4	20	4	10	10	7.9	—	—	Dull and hazy. • n.	
30	995.9	972.2	78.4	77.7	81	77	1.0	0.5	7.8	7.8	87	92	20	3	20	3	10	10	—	—	—	Overcast. • all day.	
31	979.3	987.4	74.2	73.4	78	73	0.7	0.4	5.8	5.8	85	92	20	3	20	4	10	10	40.6	—	—	* p. < n. ☼	
Mean	1002.6	1002.3	76.7	77.4	79.3	75.1	1.5	1.6	6.3	6.5	77	77	2.9	3.2	7.3	7.8	163.1	—	—	—	—	—	
Mean Barometer at Station Level.	1001.2	1000.9																					

DOUGLAS, ISLE OF MAN, a.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, $H_b=86.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.25$ m. Lat. $54^\circ 10' N$. Long. $4^\circ 28' W$. Time, Local mean time.

		Long. + 28 W. Time, Local mean time.																						
Day.	Barometer at Station Level.		Air Temperature in Degrees Fahrenheit.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)				Cloud Amount and Weather.				Rain 24 hours begin- ning 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.	9 h.	21 h.								
1	1009.8	1009.4	78.4	78.1	81	77	0.7	0.8	8.2	7.8	91	89	24	1	24	2	7	4	—	4.1	75	Very fine.		
2	1007.1	1005.0	80.2	80.8	81	77	1.7	1.5	7.8	8.5	77	81	18	2	16	6	8	10	—	4.1	75	Very fine.		
3	1004.4	1000.0	79.7	80.9	81	80	0.4	1.0	9.2	9.2	94	87	16	1	16	4	10	10	—	4.1	75	Very fine.		
4	1003.7	1007.4	81.3	81.0	82	80	1.5	0.4	8.8	10.2	80	95	20	3	22	1	10	10	—	4.1	75	Very fine.		
5	1008.4	1013.5	78.5	77.0	82	76	0.5	0.8	8.5	7.1	93	88	Calms	0	24	2	10	9	—	4.1	75	Very fine.		
6	1012.8	1008.4	78.8	81.9	82	75	0.3	0.0	8.8	11.5	96	100	16	3	18	4	6	10	—	4.1	75	Very fine.		
7	1007.8	1010.5	82.5	82.4	83	82	0.1	0.2	11.9	11.5	99	97	16	5	16	6	10	10	—	4.1	75	Very fine.		
8	1009.4	1009.1	80.8	80.8	82	80	1.0	0.8	9.2	9.5	87	90	12	3	12	5	8	10	—	4.1	75	Very fine.		
9	1007.8	1008.8	80.9	80.8	82	80	0.5	0.8	9.8	9.5	94	90	12	5	12	6	4	10	—	4.1	75	Very fine.		
10	1011.5	1009.4	79.1	77.4	81	77	0.5	0.3	8.8	7.8	92	94	12	7	12	10	10	10	—	4.1	75	Very fine.		
11	1000.0	998.3	75.7	74.0	81	74	0.2	0.0	7.1	6.5	97	99	12	10	6	2	10	10	—	4.1	75	Very fine.		
12	1004.4	1007.1	74.1	73.0	81	73	0.2	0.4	6.5	5.8	95	91	30	1	28	1	8	10	—	4.1	75	Very fine.		
13	1008.8	1007.8	72.5	75.5	77	72	0.6	0.9	5.1	6.1	83	85	4	1	10	3	1	4	—	4.1	75	Very fine.		
14	1004.7	997.6	76.0	76.2	80	75	0.9	1.0	6.5	6.5	87	85	12	4	12	8	10	10	—	4.1	75	Very fine.		
15	986.1	991.5	77.1	76.7	80	76	0.5	0.4	7.8	7.5	94	94	12	8	18	3	10	10	—	4.1	75	Very fine.		
16	993.9	995.2	78.1	78.3	79	75	0.6	0.9	8.2	7.8	93	88	16	4	14	3	9	10	—	4.1	75	Very fine.		
17	995.9	997.2	78.1	78.5	79	77	0.5	0.6	8.2	8.5	94	92	12	3	12	2	10	10	—	4.1	75	Very fine.		
18	998.6	1005.7	78.6	77.8	81	77	0.6	0.9	8.5	7.5	92	86	22	2	24	2	8	2	—	4.1	75	Very fine.		
19	1002.3	990.1	78.6	78.9	79	76	0.9	0.8	8.2	8.2	89	89	12	3	12	3	10	10	—	4.1	75	Very fine.		
20	983.7	986.8	78.0	78.2	79	77	0.6	0.8	8.2	7.8	92	89	12	6	4	2	10	10	—	4.1	75	Very fine.		
21	998.3	1013.5	77.4	74.7	79	74	1.1	0.8	7.1	5.8	84	85	4	4	4	2	3	10	—	4.1	75	Very fine.		
22	1017.2	1006.7	76.4	77.1	79	74	1.3	0.0	6.1	8.2	80	100	12	3	10	3	10	10	—	4.1	75	Very fine.		
23	1005.0	1005.4	80.2	81.3	82	77	0.0	0.2	10.2	10.5	100	97	26	2	22	4	10	10	—	4.1	75	Very fine.		
24	1000.0	998.9	81.1	80.8	82	77	0.2	0.5	10.5	9.8	97	94	20	6	24	4	10	10	—	4.1	75	Very fine.		
25	1011.8	1022.3	74.7	74.3	81	74	1.0	0.7	5.8	5.8	82	85	26	3	2	1	3	10	—	4.1	75	Very fine.		
26	1027.1	1023.3	76.7	76.9	79	74	1.3	1.4	6.5	6.5	81	81	14	2	18	2	4	10	—	4.1	75	Very fine.		
27	1016.9	1012.1	77.4	77.6	79	77	0.5	0.4	7.8	7.8	92	94	12	2	10	2	8	10	—	4.1	75	Very fine.		
28	1008.8	1009.1	76.3	79.1	80	76	0.6	0.0	6.8	9.5	89	100	10	7	12	3	10	10	—	4.1	75	Very fine.		
29	1010.5	1009.4	80.1	80.1	81	79	0.0	0.1	10.2	9.8	100	99	16	2	16	2	10	10	—	4.1	75	Very fine.		
30	1004.0	980.0	79.7	79.7	82	80	0.1	1.0	9.5	8.5	98	86	16	3	24	7	10	10	—	4.1	75	Very fine.		
31	988.8	997.6	75.3	75.4	80	74	1.2	1.3	5.8	5.8	81	80	24	6	24	7	4	10	—	4.1	75	Very fine.		
Mean	1004.8	1004.4	78.1	78.2	80.6	76.6	0.6	0.6	8.1	8.2	90	91	3.6	3.6	8.1	6.5	118.1	1.44	74.3					
Mean Barometer at Station Level.	994.2	993.8																						
+ Beaufort Scale (0—12).																								

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

ARMAGH, a.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H₀=61.6 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 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.		200 +	200 +	200 +	200 +	millibar.		%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +		
1	1007.8	1008.4	76.2	75.6	80	76	0.8	0.4	6.8	7.1	89	95	20	3	18	2	0	Very fine.
2	1004.4	998.9	77.8	80.6	81	75	1.1	1.4	7.1	8.5	85	82	16	5	18	7	10	Overcast. Drizzle 19 h.-22 h.
3	1003.0	991.2	76.3	79.7	81	76	0.2	1.4	7.5	7.8	97	81	16	3	14	10	0	Fine a. Stormy evening.
4	1000.6	1005.4	78.2	77.4	80	77	1.1	0.7	7.5	7.5	84	89	18	7	16	4	10	Overcast till 16 h.
5	1009.1	1012.8	75.1	73.2	78	73	0.5	1.1	6.8	4.8	93	76	—	1	18	2	10	Fine.
6	1007.8	1003.7	76.7	81.1	81	73	1.1	0.6	6.8	9.8	84	93	16	6	16	5	10	— a. • 11 h.-14 h. Fine even.
7	1003.3	1004.0	83.0	83.9	85	81	1.1	1.5	10.5	10.9	86	83	18	6	14	7	9	Cloudy, warm, and moist.
8	1002.3	1003.7	81.8	81.3	84	81	1.1	0.5	9.5	10.2	86	93	14	9	14	6	10	Overcast and showery.
9	999.3	1002.7	82.0	81.1	83	79	1.8	1.5	8.8	8.8	78	82	14	10	10	9	9	Very stormy. Drizzle p.
10	1006.7	1002.0	80.7	80.2	81	80	0.7	0.6	9.5	9.2	92	91	12	7	12	8	10	Showery.
11	993.2	996.9	79.0	76.5	81	76	0.6	0.5	8.5	7.1	92	92	12	6	20	2	10	Very stormy and rainy past.
12	1004.0	1006.4	73.6	73.6	79	73	0.6	0.6	5.8	5.8	89	89	—	1	20	3	9	— a. Cloudy and dry.
13	1007.4	1005.7	67.3	71.9	74	74	0.4	0.4	3.1	5.1	80	90	—	0	10	2	0	— a. Fair and frosty.
14	1001.3	989.5	71.7	77.3	77	71	0.4	1.1	5.1	7.1	88	84	—	1	12	8	3	• a. 1 in. Fine. Thaw p.
15	982.4	988.1	76.2	74.4	79	75	0.3	0.6	7.1	6.1	94	87	12	3	16	3	10	• a. Fine.
16	990.8	992.8	75.4	75.8	78	73	0.6	0.8	6.5	6.5	90	88	16	4	18	2	0	Fine.
17	993.2	993.9	78.4	78.7	81	75	1.2	1.0	7.5	7.8	85	88	14	5	14	4	10	Fine.
18	998.3	1004.4	77.4	75.0	80	75	0.8	0.8	7.5	6.1	88	87	18	4	18	4	7	Fine.
19	996.2	985.4	79.0	78.1	80	73	1.0	0.5	8.2	8.2	86	94	10	3	10	3	10	• 11 h.-15 h.
20	982.4	989.1	77.2	76.9	80	77	0.5	0.2	7.5	7.8	92	98	4	3	—	1	10	Overcast and drizzle.
21	1003.3	1013.2	74.7	72.5	79	72	0.2	0.2	6.8	5.8	97	94	—	0	—	0	3	— a. Fine.
22	1013.2	1002.0	77.9	81.2	81	71	0.9	0.4	7.5	10.2	87	95	12	4	20	6	10	• till 14 h.
23	1005.0	1004.0	79.1	80.9	82	78	0.1	0.3	9.2	10.2	98	97	—	0	20	5	10	Overcast, with •.
24	995.9	1001.7	81.2	78.8	82	79	1.1	0.6	9.2	8.5	86	92	18	6	28	3	8	Overcast.
25	1014.2	1022.0	73.8	73.4	79	72	0.8	0.4	5.4	5.8	86	93	—	1	—	0	8	— a. Fine.
26	1025.7	1020.6	73.6	75.5	79	69	1.6	1.3	4.4	5.8	80	79	—	0	16	2	0	— a. Fine.
27	1013.5	1007.8	78.7	79.5	81	75	0.9	0.6	8.2	8.8	89	90	14	4	14	6	10	Overcast.
28	1004.0	1006.4	78.0	79.0	81	78	0.2	0.4	8.5	8.8	98	94	10	4	18	5	10	Very showery.
29	1007.8	1008.8	79.6	78.4	81	78	1.2	0.5	8.2	8.5	93	93	16	5	18	4	8	Fine.
30	996.9	980.7	79.9	76.3	83	76	0.5	0.5	9.2	7.1	94	91	16	7	22	4	10	Very showery.
31	988.8	996.6	74.1	73.1	76	73	0.9	0.4	5.4	5.8	92	92	20	6	20	6	10	• a. Fine.
Mean	1002.0	1001.6	77.2	77.4	80.2	75.1	0.8	0.7	7.4	7.6	88	89	4.0	4.3	7.5	6.9	94.0	
Mean Bar- ometer at Station Level.	994.5	994.0																

DUBLIN (PHOENIX PARK), a.—JANUARY 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H₀=48.5 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1009.1	1009.8	77.6	76.6	81	76	0.9	0.6	7.5	7.1	88	91	22	3	22	4	1	0	—	5.0	72	Beautiful day.	
2	1007.1	1000.6	80.0	81.8	82	76	1.8	1.6	7.8	9.2	77	80	18	5	16	5	10	10	—	—	72	Overcast.	
3	1004.0	994.2	77.2	83.4	84	76	0.4	1.7	7.8	10.2	93	80	—	0	16	10	2	10	0.6	3.3	72	Fine. • showers from 21 h.	
4	1003.0	1006.1	80.2	78.4	84	75	1.7	0.9	7.8	7.8	88	20	5	18	2	10	10	—	—	77	• showers till 1 h. Overcast.		
5	1007.4	1013.2	77.0	79.9	81	71	0.8	0.2	7.1	5.1	89	91	22	2	—	0	10	0	—	—	74	Overcast.	
6	1009.8	1006.7	77.8	83.7	84	70	1.3	0.9	7.1	11.5	82	89	20	2	18	5	10	0.6	1.0	67	Fair, but cloudy.		
7	1004.4	1005.0	85.0	84.7	86	83	1.1	1.3	12.2	11.5	86	84	20	11	12	2	10	6	0.4	1.0	81	• showers 4 h.-6 h. • p.	
8	1004.7	1005.0	82.0	82.3	85	81	0.7	1.4	10.5	9.5	91	82	12	5	14	4	10	7	0.6	0.2	80	• at intervals 10 h.-13 h.	
9	1002.0	1003.0	82.3	82.3	83	79	1.4	1.1	9.5	10.2	81	86	14	10	10	6	9	10	2.3	—	77	Overcast. • p.	
10	1007.1	1003.3	81.3	81.4	82	80	0.2	1.3	10.5	9.2	98	83	12	5	14	8	10	8	17.8	—	80	Overcast. • most of day.	
11	995.2	997.2	79.6	77.4	82	77	0.6	0.6	8.8	7.8	92	92	12	2	—	1	10	0	0.4	—	77	• o h.-9 h. Overcast.	
12	1005.0	1007.8	74.0	71.8	77	70	0.6	0.1	5.8	5.4	89	97	—	1	—	1	2	0	—	4.2	66	Beautiful day.	
13	1007.8	1005.0	69.6	74.2	78	70	0.2	0.2	4.4	6.5	93	96	—	1	10	3	6	10	5.3	—	66	Overcast. • 21 h. 30 m.-21 h.	
14	1002.7	989.1	73.0	78.4	79	70	0.6	0.9	1.4	4.8	7.1	78	82	—	1	12	9	5	10	7.0	4.3	65	• Bright to overcast.
15	984.4	989.1	77.1	74.6	80	74	0.7	0.7	7.5	6.1	91	89	20	3	18	4	10	0	—	2.6	75	• till 6 h. Cloudy.	
16	992.2	993.5	77.2	76.4	79	73	1.4	0.2	6.5	7.5	79	96	16	3	—	1	2	10	4.8	—	67	• 13 h. 30 m.-18 h. 20 m.	
17	993.5	994.9	76.9	77.8	82	71	0.5	0.8	7.5	7.5	93	88	16	2	—	1	6	3	0.8	0.8	68	Fair, but cloudy.	
18	1000.6	1006.4	77.7	76.4	81	76	0.9	0.7	7.5	6.8	87	88	22	4	20	3	6	2	1.0	3.2	72	• 3 h. 45 m.-4 h. 15 m.	
19	994.9	984.1	79.8	77.9	80	72	0.4	0.6	9.5	7.8	95	92	10	6	12	5	10	5	16.3	0.2	67	• 6 h.-13 h. and 18 h.-19 h.	
20	978.0	987.4	79.4	78.2	80	77	0.4	0.4	9.2	8.5	94	96	8	3	32	3	10	9	5.3	—	75	• a. and p.	
21	1000.6	1013.8	75.4	71.9	80	71	0.2	0.2	7.1	5.4	86	95	—	1	—	0	2	0	—	4.4	72	Beautiful day.	
22	1014.5	1006.1	78.7	82.8	83	70	0.9	0.4	8.2	11.5	96	94	12	3	22	6	10	10	8.9	—	67	• 10 a.-18 h.	
23	1006.4	1007.1	83.1	81.7	84	81	0.3	1.5	11.9	9.2	97	81	22	6	20	4	10	8	4.3	—	76	• 3 h.-7 h. • 9 h.-16 h.	
24	999.6	1001.7	81.2	81.0	86	81	0.8	0.6	9.8	9.8	90	93	22	6	22	4	10	10	9.3	1.4	79	• a. and p.	
25	1014.5	1022.3	72.8	73.4	81	72	0.7	0.4	5.1	5.8	82	93	—	0	—	0	5	3	—	5.3	69	Beautiful day.	
26	1026.4	1021.3	73.5	74.8	80	72	0.9	0.7	5.4	6.1	83	88	—	0	—	1	2	0	—	4.6	69	Beautiful day.	
27	1013.5	1008.4	79.8	79.6	82	72	1.2	0.8	8.2	8.5	83	88	—	1	10	5	8	10	4.7	—	69	• at intervals 15 h.-21 h.	
28	1004.0	1008.1	79.7	80.2	84	79	0.6	0.9	9.2	8.8	92	88	10	5	20	2	10	2	3.1	—	77	• 9 h.-13 h.	
29	1009.8	1010.8	77.9	76.1	83	76	0.9	0.4	7.5	7.1	86	93	—	1	—	0	7	0	—	4.2	72	Beautiful day.	
30	1000.0	982.0	81.9	78.5	84	72	1.6	1.5	9.2	7.1	80	81	16	6	22	5	10	8	5.6	—	69	• at intervals a. and p.	
31	993.2	1000.3	74.5	74.0	79	73	0.8	0.8	5.8	5.8	85	86	22	6	20	5	4	2	7.9	1.7	71	• 2 • at intervals 13 h.-21 h.	
Mean	1003.1	1002.7	78.2	78.1	81.8	74.5	0.8	0.8	7.9	8.0	88	89	3.6	3.5	7.3	5.6	99.1	1.54	72.1				
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* Metres per second.

x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE

Heights above Mean Sea Level:—Station, $H = 57.9$ m ; Barometer, $H_b = 64.7$ m. Heights above Ground:—Therms., $h_1 = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $52^\circ 43'$ N. Long. $2^\circ 45'$ W. Time, Local mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8 = E, 16 = S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	Vapour Pressure.		Percent- age.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	mm.	hr.		°
									9 h.	21 h.											
	millibar.		200 +	200 +	200 +	200 +					millibar.	%	%	+	+	Tenths of Sky covered.				200 +	
1	1003.7	1000.6	75.1	74.8	79	74	0.8	0.1	6.5	6.8	88	98	16	2	16	1	10	3	—	71	▲ a. Cloudy.
2	1004.4	1007.4	76.1	80.8	81	74	1.0	1.1	6.5	9.2	84	86	20	2	16	4	3	2.3	—	70	Cloudy, with occasional ●.
3	1012.5	1015.9	83.1	83.0	84	78	1.6	1.1	9.8	10.5	81	86	22	4	18	6	10	10	—	76	Dull and cloudy.
4	1020.3	1022.0	83.3	81.9	84	78	1.7	0.8	9.8	10.2	80	90	26	2	10	1	10	4	—	79	Dull.
5	1015.2	1011.1	81.0	79.0	84	79	1.7	1.7	8.5	7.1	80	78	18	4	20	3	5	1.0	—	75	Dull. ● showers afternoon.
6	1011.5	1008.4	76.3	81.9	85	73	0.5	1.6	7.1	9.2	91	80	14	2	20	4	9	2.5	—	69	Bright intervals. ● showers p.
7	1011.1	1001.3	79.1	82.2	85	77	0.5	2.8	8.8	7.8	92	67	20	3	20	10	10	6.9	—	72	● 9 h.-10 h. ● till 16 h.
8	1025.4	1028.1	77.5	79.1	84	77	1.2	1.1	7.1	7.8	83	84	20	2	12	2	0	2.5	—	72	Continuous sunshine till 16 h.
9	1024.7	1029.8	83.4	79.7	86	79	1.0	0.6	11.2	9.2	88	92	20	3	16	1	5	8.4	—	74	Very fine.
10	1028.1	1030.8	81.4	80.9	85	79	0.4	0.2	10.2	10.2	94	98	20	1	16	2	10	0	—	77	Dull.
11	1035.2	1038.9	72.9	78.6	87	72	0.0	0.1	6.1	8.8	100	98	Calm	0	Calm	0	10 ≡	10 ≡	—	71	≡ till 10 h., then sunny.
12	1040.3	1037.2	75.1	72.2	86	72	0.0	0.0	7.1	5.8	100	100	16	1	Calm	0	10 ≡	10 ≡	—	70	≡ most of day.
13	1036.5	1035.2	70.1	76.1	85	69	0.0	0.0	5.1	7.5	100	100	Calm	0	Calm	0	5	10 ≡	—	69	Sunny, with ∞. ≡ n.
14	1034.2	1030.8	74.8	76.7	77	74	0.1	0.4	6.8	7.5	98	94	24	1	20	2	10	10	—	74	≡ all day.
15	1026.4	1024.3	77.0	76.6	79	75	0.6	0.5	7.5	7.1	92	92	20	1	32	1	100	10	1.0	73	Dull and gloomy.
16	1026.7	1028.1	76.1	74.3	80	74	1.5	0.4	6.1	6.1	77	91	4	2	Calm	0	10	10	—	73	Sunny intervals. ∞ all day.
17	1028.4	1025.0	75.2	76.3	78	71	0.5	1.1	6.5	6.5	91	83	32	1	4	4	0	—	—	69	Very ● all day. Dark 15 h.
18	1027.4	1026.7	74.0	72.4	79	72	0.1	1.3	6.5	4.1	97	67	8	3	8	2	0	—	—	59	▲ a. Sunny day.
19	1025.7	1024.3	73.2	73.6	80	72	0.9	1.4	5.1	4.8	81	73	8	3	8	3	7	10	—	68	Sunny day. Cold n.
20	1023.3	1025.0	74.3	75.0	78	73	0.7	1.7	5.8	5.1	86	73	4	3	4	3	10	10	—	71	Cloudy.
21	1029.1	1032.1	75.2	73.9	80	74	1.1	0.6	6.1	5.8	82	89	4	2	Calm	0	10	9	—	72	Cloudy.
22	1033.8	1030.8	75.0	76.2	79	72	0.6	1.5	6.5	6.1	91	77	12	1	16	3	10	10	—	69	Cloudy and cold.
23	1027.1	1019.9	73.0	75.8	81	70	0.8	1.7	5.1	5.8	81	75	4	1	12	1	7	7	—	67	Cloudy and cold.
24	1012.1	1007.8	74.7	79.7	81	73	0.7	0.2	6.1	9.5	87	98	16	2	16	3	7	10	—	69	Dull
25	1006.1	1008.1	80.2	80.9	84	78	0.2	0.0	9.8	10.5	96	100	16	3	Calm	0	7	10	—	74	Continuous sunshine.
26	1007.4	1007.1	80.2	80.0	84	79	0.0	1.3	9.2	8.2	100	82	18	2	18	1	10	10	—	74	Dull a. Sunny from 10 h.
27	1009.1	1018.6	78.7	78.6	82	76	1.2	1.4	7.8	7.5	85	82	28	2	28	2	8	0	—	71	Cloudy.
28	1025.7	1026.4	74.8	75.9	79	71	1.8	0.9	5.1	6.5	71	85	Calm	0	20	1	9	10	—	67	Cloudy, with ∞.
Mean	1021.8	1021.5	76.8	77.7	81.7	74.6	0.8	0.9	7.3	7.5	88	86	2.0	2.1	7.9	6.4	24.6	—	71.6		
	1013.8	1013.4																			

Heights above Mean Sea Level:—Station, $H = 12.8$ m.; Barometer, $H_b = 13.1$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $52^\circ 12' N$. Long. $0^\circ 8' E$. Time, Local mean time.

Rain-gauge, H. - 0.0 m.																				Rain-gauge, H. - 0.0 m.																				Rain-gauge, H. - 0.0 m.																				Rain-gauge, H. - 0.0 m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	1006.4	998.9	75.2	75.4	79	72	0.7	0.1	6.5	7.1	88	98	20	1	24	1	9.00	10.00	3.3	—	69	Gloomy.	2	1007.4	1007.4	75.5	78.8	79	73	1.1	1.0	6.1	8.2	83	88	20	2	20	2	9	10	4.1	0.2	69	● n. — a. Overcast. ● 14 h. —	3	1014.2	1017.2	82.0	83.0	84	79	1.2	1.7	9.5	9.5	85	79	20	3	20	7	10	10	—	—	72	Gloomy. [15 h.	4	1021.6	1024.0	81.9	80.2	x 86	x 80	1.7	0.4	8.8	9.5	78	94	20	4-5	22	1	8	0	—	2.5	77	Sunny noon-15 h.	5	1018.9	1011.5	80.7	79.9	82	78	0.9	1.3	9.2	8.2	89	82	16	2	20	2	10.00	10	0.3	0.7	73	● a. Cloudy.	6	1014.5	1011.8	74.8	82.6	84	72	0.0	1.3	7.1	9.8	100	84	12	1	16	4	9	10	1.8	0.5	68	— a. Overcast most of day.	7	1016.9	1005.4	80.3	84.1	85	78	0.6	1.1	9.2	11.5	91	86	20	2	16	8	10.00	0	1.5	—	73	Gloomy. ● p.	8	1023.3	1030.8	78.6	78.7	84	77	1.8	1.8	7.1	7.1	97	77	22	2	20	3	0	0	—	6.5	74	Beautiful day.	9	1025.7	1031.5	82.0	79.7	x 86	78	0.3	0.0	10.9	9.8	96	100	20	4-5	Calm	0	10	10.00	5.1	0.5	74	Overcast most of day.	10	1029.8	1031.1	80.8	77.4	85	77	1.0	0.3	9.2	7.8	87	94	16	2	Calm	0	10.00	0	—	—	74	● n. Overcast.	11	1034.8	1037.2	72.5	73.0	x 86	71	0.1	0.0	5.8	6.1	97	100	Calm	0	Calm	0	0.00	10.00	—	5.5	69	Beautiful day.	12	1039.6	1037.6	72.3	75.9	81	70	0.4	0.0	5.1	7.5	90	100	16	1	Calm	0	0.00	10.00	—	3.4	67	Sunny till 13 h., then overcast.	13	1035.5	1032.1	73.4	73.6	79	72	0.0	0.1	6.5	6.1	100	97	16	1	Calm	0	10.00	1	—	—	68	Overcast.	14	1031.8	1029.4	74.8	76.9	78	71	0.0	0.3	7.1	7.8	100	96	28	1	28	1	10.00	10.00	0.3	—	71	Gloomy. ● at times.	15	1025.4	1023.7	75.7	76.5	77	75	0.2	0.2	7.1	7.5	97	97	20	1	32	1	10.00	8.00	0.8	—	75	Gloomy. ● p.	16	1025.0	1026.4	74.1	74.7	82	73	0.5	0.9	6.1	5.8	89	83	32	1	32	1	2.00	8.00	—	6.2	70	Beautiful day.	17	1025.4	1026.7	76.1	74.7	82	73	0.5	1.7	6.8	5.1	84	72	32	1	32	3-4	8.00	10	0.5	0.5	70	Overcast most of day. [wind.	18	1024.3	1023.3	73.6	72.4	n 76	72	0.1	0.0	6.5	5.8	99	100	4	3	4	3	0.00	1	—	8.5	69	Beautiful day. Bitter N.E.	19	1023.0	1022.0	72.4	72.9	77	71	0.1	1.7	5.8	4.4	100	70	4	2	4	2	4.00	10	—	8.0	67	Beautiful day. Cold N.E. wind.	20	1021.3	1022.7	73.6	74.1	n 76	74	0.8	1.2	5.4	5.1	84	78	8	3	4	2	10	9	—	3.0	70	Overcast till noon. Cold wind.	21	1026.4	1031.1	76.9	74.8	80	74	1.7	0.6	6.1	6.5	77	91	32	2	32	1	7.00	4.00	—	3.0	70	Sunny intervals.	22	1033.2	1032.1	73.1	72.2	80	70	0.	0.1	6.1	5.4	99	92	Calm	0	Calm	0	10.00	0	—	1.0	66	Overcast till noon.	23	1028.7	1022.7	75.5	75.2	81	n 69	1.9	1.1	6.1	6.1	71	82	12	2	12	1	7	0	—	7.5	n 65	Beautiful day.	24	1015.5	1011.8	75.2	76.3	83	72	1.5	1.6	5.4	5.8	76	75	12	2	12	2	9	0	—	2.5	n 65	Overcast a. Sunny till 14 h.	25	1010.1	1010.5	79.5	77.4	83	76	2.1	0.5	7.1	7.8	74	92	12	1	12	1	8.00	0	—	2.5	70	Sunny a., then overcast.	26	1008.8	1006.7	79.5	79.1	82	77	0.5	0.5	8.8	8.8	93	92	16	1	12	1	9.00	10.00	—	—	72	● a. Gloomy day. Very mild.	27	1007.1	1014.5	79.1	78.7	83	76	0.6	1.0	8.5	7.8	91	88	24	1	26	4	7.00	10	0.8	1.5	72	Sunny till noon. ● p.	28	1023.3	1027.1	79.8	76.4	79	74	0.6	1.2	6.8	6.5	90	82	28	2	32	1	8.00	10	—	0.5	72	Gloomy most of day.	Mean	1022.1	1021.5	76.6	77.0	81.3	74.2	0.8	0.8	7.1	7.3	89	88	1.8	1.9	7.3	6.1	19.5	2.30	70.4		1020.4	1019.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

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

ARMAGH, a.—FEBRUARY 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, $H_b=61.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $54^\circ 21' N$. Long. $6^\circ 39' W$. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200 +	200 +	200 +	200 +			millibar.		%	%			Tenths of Sky covered.		mm.	hr.	200 +			
1	997.6	997.9	74.1	73.2	76.0	73.0	0.5	0.6	6.1	5.4	89	88	18	4	20	4	10	8	0.2	72	Mostly cloudy.	
2	994.9	1003.7	75.7	79.8	80.0	73.0	0.5	1.3	6.8	8.2	93	82	18	7	20	4	10	10	1.0	72	Fine.	
3	1004.0	1007.8	82.3	82.8	84.0	78.0	0.6	0.7	10.9	10.9	92	91	20	8	22	8	10	10	3.6	76	Overcast and mild.	
4	1014.5	1015.9	80.9	79.9	83.0	77.0	1.7	1.9	8.5	7.5	79	75	20	4	18	3	7	10	0.6	3.6	80	Fine.
5	1003.7	1009.8	80.9	74.9	82.0	75.0	1.4	0.7	8.8	6.1	82	89	18	8	22	2	9	4	1.6	0.7	78	Showers a. Fine p.
6	997.2	1001.7	81.1	76.1	84.0	74.0	0.9	1.7	9.5	5.8	89	75	16	9	20	6	10	3	4.2	—	72	Some showers before 13 h.
7	996.6	989.8	79.3	79.1	86.0	76.0	0.8	1.7	8.5	7.5	88	78	14	7	24	8	10	10	4.6	0.7	75	Squally and stormy.
8	1020.3	1014.5	77.4	80.4	82.0	75.0	1.5	1.6	6.5	8.2	77	78	18	4	18	8	0	10	2.6	2.2	74	Fine.
9	1023.0	1026.4	79.1	77.8	84.0	78.0	1.0	1.9	8.2	6.5	85	73	20	5	16	2	0	10	1.0	5.9	77	Very fine and sunny.
10	1023.0	1027.1	79.5	82.3	82.0	77.0	0.0	0.2	9.8	11.5	100	98	—	1	20	3	10	10	1.8	—	75	Drizzle.
11	1031.5	1035.9	81.3	82.9	84.0	80.0	0.5	1.3	10.2	10.2	93	85	16	5	18	3	10	10	—	1.3	79	Fine.
12	1036.9	1034.5	79.7	79.1	83.0	79.0	0.4	0.2	9.2	9.2	94	97	18	2	18	3	10	10	—	1.0	79	Fine.
13	1034.2	1034.2	74.0	76.5	80.0	74.0	0.0	0.2	6.5	7.8	100	98	—	1	—	0	10	10	—	0.7	74	≡ a. Fine, but cloudy.
14	1032.5	1030.4	77.6	78.0	83.0	76.0	0.3	0.5	8.2	8.2	95	93	20	2	—	1	10	9	—	—	76	Fine.
15	1026.7	1024.7	76.2	76.9	80.0	74.0	0.1	0.2	7.5	7.8	98	98	—	0	—	0	10	10	—	—	72	Overcast. ≡ from 21 h. 30.
16	1026.4	1029.1	76.7	76.4	79.0	75.0	0.0	0.6	7.8	7.1	99	90	—	0	—	1	10	9	—	—	72	Overcast.
17	1029.8	1028.1	74.1	75.3	80.0	73.0	0.1	0.3	6.5	6.8	98	94	—	1	—	1	10	9	—	4.2	69	≡ early a. Very fine.
18	1029.4	1029.4	76.2	73.6	78.0	74.0	1.8	0.9	5.8	5.4	74	83	—	1	6	2	10	7	—	3.2	72	Very fine, but cold.
19	1027.7	1025.7	73.7	73.9	77.0	72.0	1.4	1.3	4.8	5.1	75	78	6	2	6	3	0	6	—	7.3	67	≡ early. Very fine, but cold.
20	1025.7	1026.7	75.0	74.5	77.0	74.0	1.8	1.0	5.1	5.4	71	81	6	2	—	0	9	10	—	0.3	70	Overcast.
21	1030.1	1030.4	76.0	75.4	78.0	74.0	1.1	1.1	6.5	6.1	83	83	—	1	—	1	10	10	—	—	74	Overcast.
22	1029.1	1024.7	77.3	75.5	79.0	75.0	2.5	1.3	5.4	5.8	66	80	16	2	16	3	10	0	—	0.7	72	Mostly cloudy.
23	1017.9	1011.1	77.4	78.5	80.0	76.0	1.2	2.2	6.8	6.5	82	73	14	7	14	5	10	10	—	0.7	75	Mostly cloudy.
24	1004.4	1000.6	79.6	80.1	81.0	78.0	2.3	0.6	6.8	9.2	72	92	14	5	14	8	9	10	3.8	0.5	77	Some drizzle from 15 h.
25	998.9	1001.0	81.0	81.2	84.0	79.0	0.6	1.4	9.8	8.8	93	81	12	5	16	5	10	10	—	2.2	76	Fine.
26	1004.4	1007.1	78.5	75.9	83.0	76.0	0.5	1.5	8.5	5.8	94	78	18	3	—	1	10	0	—	4.7	77	Very fine.
27	1012.1	1020.6	81.1	75.8	84.0	75.0	1.0	1.0	9.5	6.5	88	85	—	1	—	1	8	0	—	4.0	74	Very fine.
28	1023.7	1020.3	76.5	80.1	82.0	75.0	0.2	1.1	7.5	8.5	97	85	—	0	14	4	10	10	—	0.3	71	Mostly cloudy.
Mean	1017.7	1018.2	77.9	77.7	81.2	75.4	0.9	1.0	7.7	7.4	87	85	3.5	3.2	8.7	7.7	25.8	—	1.7	74.2		
Mean Barometer at Station Level.	1010.1	1010.5																				

DUBLIN (PHENIX PARK), a.—FEBRUARY 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, $H_b=48.5$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $53^\circ 22' N$. Long. $6^\circ 21' W$. Time, Dublin mean time.

1	999.6	1001.0	74.6	73.6	77	73	1.1	0.6	5.4	5.8	81	89	20	4	22	5	2	0	2.0	3.8	71	Bright a. Cloudy p.
2	998.6	1006.7	76.9	81.7	82	73	0.7	1.4	7.1	9.2	90	83	20	7	22	7	10	6	0.8	2.3	71	☉ 7 h.-9 h. ☉ 17 h.-20 h.
3	1008.4	1011.1	82.2	82.7	84	78	0.7	0.7	10.5	10.9	91	90	22	8	22	8	10	6	2.5	—	79	☉ at intervals a. and p.
4	1017.2	1017.6	80.9	82.2	84	78	0.7	0.9	9.8	10.2	92	89	22	5	18	3	7	10	0.3	1.9	78	☉ 4 h.-8 h. ☉ a.
5	1008.1	1010.8	82.3	75.7	84	75	1.9	0.5	8.8	6.8	77	92	18	7	22	2	6	2	1.3	1.0	77	☉ showers 13 h.-15 h. 30 m.
6	1001.7	1005.4	83.4	78.5	84	74	1.4	1.2	10.5	7.5	83	85	18	8	22	6	10	0	0.9	0.7	69	☉ 7 h.-8 h. 30 m. and p.
7	1001.3	996.2	80.4	80.3	86	77	0.9	1.4	9.2	8.2	88	81	14	5	22	15	10	10	1.8	2.0	74	☉ at intervals a. and p.
8	1023.3	1018.3	77.8	82.0	84	75	1.6	1.6	6.8	9.2	78	81	20	4	18	9	5	2	0.5	—	77	Overcast.
9	1024.0	1026.0	80.6	80.1	85	73	1.1	0.9	8.8	8.8	86	87	22	6	12	2	10	10	0.8	—	77	☉ showers 0 h.-3 h. ☉ till 3 h.
10	1024.0	1027.4	84.0	78.0	85	77	0.6	0.1	11.9	8.5	91	98	20	3	—	1	10	1	—	—	77	
11	1032.8	1037.9	81.2	79.0	85	73	0.2	0.3	10.5	8.8	97	96	—	1	24	3	6	0	—	1.1	71	Fair, but cloudy.
12	1037.6	1035.9	78.5	75.3	80	74	0.1	0.2	8.8	7.1	99	96	—	1	—	0	10	10	—	—	71	Overcast.
13	1035.2	1034.8	73.4	73.4	84	71	0.4	0.2	5.4	6.1	90	98	—	0	—	0	10	10	—	5.3	69	Beautiful day.
14	1034.5	1030.8	74.6	74.2	81	71	0.1	0.1	6.8	6.5	98	98	24	2	—	0	10	0	—	—	69	Overcast.
15	1027.7	1025.0	74.2	74.0	80	71	0.1	0.1	6.5	6.5	98	98	—	1	—	0	10	7	—	0.2	69	Dull.
16	1026.4	1028.4	78.7	77.3	80	73	1.2	1.1	7.8	6.8	85	84	—	1	6	2	10	10	—	—	70	Overcast.
17	1028.7	1027.4	77.5	77.5	80	71	1.6	0.7	6.5	7.5	77	89	8	2	—	1	3	7	—	1.6	67	Bright to overcast.
18	1028.4	1028.1	76.3	76.6	79	76	1.8	2.1	5.8	5.4	75	70	8	3	6	5	10	7	—	4.0	74	Fine; cloudy intervals.
19	1026.4	1024.3	75.9	76.1	78	75	2.1	2.0	5.1	5.4	70	70	6	5	6	5	10	9	—	5.7	72	Beautiful day.
20	1024.3	1025.7	75.7	76.6	77	75	1.6	1.6	5.8	6.1	76	77	6	4	8	3	10	10	—	—	74	Overcast.
21	1029.1	1030.4	76.4	73.4	79	73	1.7	0.4	5.8	5.8	74	92	10	3	—	0	10	10	—	2.8	74	Fine, but cloudy.
22	1030.4	1026.4	77.3	77.3	81	71	1.9	1.4	6.1	6.5	74	79	12	3	10	4	7	2	—	4.1	66	Cloudy a. Bright p.
23	1019.3	1012.5	78.4	79.3	80	76	1.7	2.5	7.1	6.5	78	68	14	7	12	5	10	10	—	—	71	Overcast.
24	1004.7	1000.6	80.1	81.3	82	78	2.2	0.4	7.5	10.2	72	95	16	5	12	5	8	10	1.3	—	75	☉ 20 h.-21 h. ☉ 4 h.-8 h. ☉ 22 h.-23 h.
25	999.3	1002.7	81.9	82.9	85	80	0.6	1.5	10.5	9.8	92	82	10	3	18	4	10	7	3.4	—	75	Fine; cloudy intervals.
26	1005.0	1007.8	78.6	74.9	84	74	0.2	0.3	8.8	6.8	97	97	—	0	—	1	5	0	—	3.4	70	Beautiful day.
27	1012.8	1021.0	79.0	75.3	85	73	0.6	0.2	8.5	7.1	92	96	24	3	—	1	6	0	—	4.8	69	Fair, but cloudy.
28	1024.3	1022.3	77.5	80.6	82	71	0.1	1.0	8.2	9.2	97	97	—	0	—	1	0	10	2.8	0.4	70	
Mean	1019.1	1019.4	78.5	77.8	82.0	74.4	1.0	0.9	7.9	7.6	86	87	3.6	3.5	7.8	5.9	18.4	1.61	72.1			
Mean Barometer at Station Level.	1013.0	1013.3																				
* Metres per second.																						
METEOROLOGICAL OFFICE, LONDON.																						

* Metres per second.

x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON.
19th June 1913.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNES, ORKNEY, a.b.—MARCH 1913.

Heights above Mean Sea Level:—Station, H=48.8 m.; Barometer, $H_b=49.7$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $58^\circ 56' N$. Long. $2^\circ 45' W$. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)				Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200+	200+	200+	200+			millibar.		%	%			Tenths of Sky covered.		mm.	hr.			
1	1012.8	1004.4	77.8	78.4	80.0	76.0	0.6	0.6	7.8	8.2	92	93	14	9	16	11	10	10	● ^o most of day.	
2	996.9	1003.3	78.9	77.5	81.0	77.0	0.7	1.5	8.5	6.8	90	78	16	9	18	9	4	2	Fine.	
3	994.9	999.3	77.8	76.7	80.0	76.0	0.6	0.6	7.8	7.5	92	92	24	6	22	10	4	2	Fine a. ● showers p. [23 h.	
4	986.8	979.6	78.4	79.0	81.0	76.0	0.6	1.4	8.2	7.8	92	82	16	12	20	13	10	8	● showers a. and p. Dull. <	
5	987.4	986.1	76.7	78.8	80.0	75.0	1.6	0.7	6.1	8.2	78	90	22	18	18	15	5	3	< a. and p. 9 h.-12 h. and 20 h. ●	
6	993.2	989.5	75.7	73.9	79.0	74.0	0.5	0.5	6.8	5.8	93	89	22	13	22	9	5	0	> 8 h. * a. Stars scintillating	
7	992.8	1007.8	74.1	74.1	79.0	n 72	0.2	0.7	6.5	5.8	97	86	30	7	26	5	9	*	* till 14 h., then fine. [21 h.	
8	1013.5	1019.3	74.0	76.2	78.0	n 72	0.2	0.8	6.5	6.8	96	88	26	4	20	5	3	10	* a., then fine.	
9	1008.4	995.9	79.0	80.1	83.0	76.0	0.8	1.7	8.5	7.8	89	77	18	12	24	19	10	1	● 9 h.-12 h. ● showers till 18 h.	
10	1009.1	1013.8	76.7	75.9	81.0	75.0	1.1	0.9	6.8	6.5	84	87	24	16	18	7	2	0	1 h.-5 h. Very fine. [
11	1005.7	1016.9	77.8	74.6	79.0	74.0	0.7	0.6	7.8	6.1	89	91	22	9	24	7	5	1	* showers till 18 h.	
12	1009.4	1004.7	78.1	76.7	80.0	75.0	1.3	1.0	7.1	6.8	82	85	18	14	26	7	7	8	Cloudy. ● showers after 15 h.	
13	1009.4	989.8	75.6	77.8	78.0	73.0	0.8	1.0	6.5	7.5	88	86	20	6	16	12	8	7	* n. Cloudy. ● 16 h.-19 h.	
14	993.9	993.5	76.7	76.0	79.0	75.0	1.5	1.4	6.1	6.1	79	79	20	12	20	3	2	7	Fine and breezy.	
15	995.2	995.6	73.9	74.5	76.0	73.0	0.5	1.1	5.8	5.4	80	80	26	6	18	8	9	5	* ▲ showers	
16	988.1	991.5	74.5	73.9	77.0	74.0	0.7	0.5	6.1	5.8	88	89	26	4	24	3	5	3	* showers p. [23 h.	
17	998.9	1002.0	73.2	73.7	n 75	n 72	1.4	1.9	4.4	4.4	71	67	32	15	30	11	6	10	0	Bitterly cold. * ▲ showers a.
18	997.9	988.4	74.5	73.1	76.0	n 72	2.2	0.3	4.4	5.8	67	93	30	8	—	1	2	5	3	* showers a. [23 h.
19	963.4	963.4	76.2	76.3	77.0	77.0	0.5	0.7	7.1	7.1	93	90	10	15	4	6	10	9	Overcast, with occasional ●.	
20	972.9	978.6	75.1	75.4	79.0	75.0	0.2	0.8	6.8	6.5	98	86	20	3	20	7	10	2	● n. and till noon.	
21	984.4	987.8	76.7	77.2	80.0	74.0	1.0	0.7	6.8	7.5	86	90	20	3	18	4	4	1	Fine.	
22	992.8	995.9	79.7	77.9	82.0	77.0	1.1	0.4	8.2	8.2	85	95	18	4	12	2	3	2	Very fine. K noon. [
23	991.5	1003.3	77.0	76.0	79.0	75.0	0.4	1.9	7.8	5.4	95	73	4	14	32	10	10	10	* till 13 h.	
24	1014.2	1016.9	76.2	77.9	80.0	75.0	1.6	1.1	5.8	7.5	75	85	—	1	18	7	2	7	Very fine.	
25	1021.3	1021.3	79.8	78.2	81.0	x 78	0.9	0.6	8.8	8.2	88	92	18	6	—	1	9	0	Fine.	
26	1021.0	1014.5	80.1	77.3	81.0	77.0	1.0	1.3	8.8	6.8	86	80	16	4	14	13	3	7	Very fine. [
27	1009.8	1006.7	78.4	78.5	80.0	77.0	0.8	1.0	8.2	7.8	90	87	12	9	12	13	10	10	Dull.	
28	1005.1	1003.0	78.9	78.4	80.0	77.0	1.5	1.0	7.5	7.8	81	88	10	14	10	16	4	10	Dull and cloudy.	
29	1007.1	1008.8	79.3	78.4	81.0	x 78	0.4	0.0	8.8	8.8	94	100	14	12	12	6	10	10	∞ a. and p. ≡ p.	
30	998.3	1003.7	79.0	77.6	80.0	77.0	0.0	0.3	9.2	8.2	100	95	14	6	—	1	10	≡	● n. ≡ n. and a. Overcast.	
31	1004.4	1007.4	80.6	78.4	82.0	77.0	1.1	0.6	8.8	8.2	86	93	14	5	28	2	1	10	Very fine.	
Mean	999.4	999.8	77.1	76.7	79.4	75.2	0.9	0.9	7.2	7.0	88	87	8.9	7.8	6.2	5.2	69.0	3.16	—	
Mean	993.3	993.6																		

FORT WILLIAM, INVERNESS-SHIRE, a.—MARCH 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ing 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.	9 h.	21 h.	Vapour Pressure.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
millibar.		200 +	200 +	200 +	200 +			millibar.	%	%	+	+	Tenths of Sky covered.		mm.	hr.	°								
1	1013.8	1005.0	79.9	79.0	80	78	0.9	1.2	8.8	7.8	88	84	20	3	20	4	100	100	33.8	—	—	● all day.			
2	1001.0	1004.7	78.0	79.1	81	77	0.6	2.7	8.2	6.5	92	67	18	2	18	2	100	100	9	9.4	—	Sunshine and ● showers.			
3	1000.3	1006.1	78.1	77.4	82	75	1.1	0.9	7.5	7.5	84	87	20	3	20	3	100	100	9	18.8	—	Sunshine and ● showers.			
4	992.8	988.8	79.0	79.6	82	77	0.4	2.1	8.8	7.1	94	73	20	5	20	5	100	100	10	35.0	—	● all day and squally. < n.			
5	1000.0	994.2	77.8	79.7	82	77	2.7	1.2	5.4	8.2	84	83	20	5	20	6	100	100	10	7.4	—	Squally, with ● showers.			
6	1001.0	992.5	77.4	74.8	80	74	2.8	0.8	5.4	6.1	62	87	20	5	20	1	70	100	0	17.3	—	● showers. K noon-13.			
7	1001.7	1010.5	77.4	75.1	80	74	2.9	0.9	5.1	6.1	81	86	20	5	20	2	4	100	100	3.1	—	—	Fair to fine.		
8	1018.9	1024.3	73.8	77.5	81	72	0.6	0.7	5.8	7.5	90	90	20	2	20	3	2	100	100	15.7	—	—	☁ * a. Fine.		
9	1014.9	1008.1	79.7	81.3	82	77	0.6	2.3	9.2	7.8	92	72	20	5	20	6	100	100	27.2	—	—	Squally, with ● all day.			
10	1018.6	1018.3	77.4	77.3	81	76	1.4	1.0	6.5	7.1	78	86	24	3	20	2	90	100	12.2	—	—	Sunshine and ● showers.			
11	1013.5	1023.0	76.9	75.4	80	75	1.0	0.7	6.8	6.5	85	89	20	5	20	2	60	100	0	2.3	—	—	Sunshine and ● showers.		
12	1016.2	1012.5	79.0	76.7	80	75	2.8	1.5	6.1	6.1	66	79	20	5	24	3	10	100	1	9.1	—	—	Fine a. Squally, ● p.		
13	1012.1	994.9	73.8	79.2	79	72	1.4	0.5	4.8	8.8	75	92	Calm	0	20	4	10	100	6	11.7	—	—	Fine a. ● showers p.		
14	998.9	996.6	76.6	74.2	81	74	0.9	0.3	6.8	6.1	87	93	20	3	20	2	10	100	89	8.9	—	—	Dull a. ● p.		
15	1002.3	997.2	73.5	74.7	77	73	0.5	0.8	5.8	5.8	91	85	20	2	20	3	10	100	16.8	16.8	—	—	☁ * 2 at times.		
16	993.5	990.8	72.9	73.5	75	72	0.5	0.5	5.1	5.8	90	91	20	3	8	1	7	100	34.8	34.8	—	—	☁ * 2 at times.		
17	998.3	1007.1	73.6	70.1	75	70	0.7	0.3	5.4	4.4	86	89	4	5	20	2	8	100	6	1.8	—	—	☁ * 2 at times.		
18	1004.0	984.1	75.7	75.7	77	70	0.2	1.6	4.4	5.4	90	76	Calm	0	12	3	8	100	9.7	9.7	—	—	☁. Squally, with * n.		
19	961.0	968.8	74.8	76.8	80	74	0.2	1.6	6.8	6.1	96	78	20	2	22	4	10	60	10.9	10.9	—	—	☁. ● at times.		
20	978.3	982.4	75.6	74.2	78	73	0.9	1.2	6.5	5.4	85	78	20	4	20	2	100	70	17.0	17.0	—	—	☁. * (sleet) *, ▲, ●, sho		
21	983.4	988.8	77.4	78.0	80	74	1.6	1.5	6.5	6.8	76	79	20	4	18	2	10	10	0.3	0.3	—	—	☁. Fair to fine.		
22	992.2	992.2	79.3	78.1	84	76	1.9	1.8	7.1	6.8	75	76	20	3	12	2	9	10	20.2	20.2	—	—	Fine and mild.		
23	989.5	1006.7	77.9	76.3	80	75	1.7	1.2	6.8	6.5	77	81	4	7	4	3	100	80	0.5	0.5	—	—	● showers a. Fair to fine.		
24	1016.2	1020.6	78.0	78.0	82	75	2.3	1.2	6.1	7.1	69	83	16	1	20	2	10	3	—	—	—	—	Fine and mild.		
25	1024.0	1023.0	80.2	79.1	85	75	2.4	1.9	7.1	7.1	70	76	20	3	20	2	7	7	—	—	—	—	Fine and mild.		
26	1018.9	1011.8	76.3	78.0	81	74	1.2	3.1	6.5	5.4	81	60	Calm	0	12	4	500	1	—	—	—	—	∞. Fine.		
27	1006.1	1002.7	78.6	78.6	82	74	2.4	2.5	6.5	7.1	70	70	4	2	4	4	500	0	—	—	—	—	Fine.		
28	997.9	995.2	79.7	79.2	82	76	2.8	1.8	6.5	7.1	65	77	4	5	Calm	0	100	0	—	—	—	—	Dull and cloudy.		
29	1005.0	1004.7	83.0	77.6	87	77	3.5	1.6	7.5	6.5	62	76	20	2	Calm	0	4	0	—	—	—	—	Very fine.		
30	1000.0	1004.4	79.2	78.5	86	77	1.2	1.1	7.8	7.8	83	86	Calm	0	12	2	10	0	—	—	—	—	Very fine.		
31	1004.0	1007.4	80.7	76.4	81	76	1.6	0.6	8.5	7.1	80	90	20	3	Calm	0	1000	4	2.5	2.5	—	—	Dull and cloudy. ●.		
Mean	1002.5	1002.2	77.3	77.1	80.8	74.6	1.5	1.3	6.6	6.7	80	81	3.1	2.6	8.3	6.7	399.2	—	—	—	—	—	—		
Mean Barometer at Station Level.	1001.1	1000.7																							

DOUGLAS, ISLE OF MAN, a.—MARCH 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

1	1020.6	1011.1	78.0	78.5	80	77	1.1	0.5	7.5	8.5	84	94	16	4	16	6	10	100	7.5	—	76	Squally and overcast.		
2	1009.8	1008.8	79.6	79.9	82	78	1.0	0.0	8.5	9.8	86	100	24	6	16	3	7	100	13.5	7.2	76	Fine till 16 h. From 19 h. till		
3	1004.7	1012.8	79.1	78.1	82	78	0.3	0.7	8.8	7.8	94	91	26	2	22	2	100	0	2.0	3.6	76	a. Fine afternoon.		
4	1004.0	1000.0	80.8	81.9	83	78	0.0	0.6	10.5	10.0	93	20	6	24	5	10	7	1.8	—	76	Dull and squally.			
5	1012.5	1007.8	78.6	81.1	82	78	1.7	0.8	7.1	9.8	78	90	20	6	20	8	4	10	0.6	5.8	76	Fine, but squally.		
6	1010.8	1002.0	79.6	76.9	81	76	1.4	1.1	7.8	6.8	80	84	20	5	24	6	8	10	10.1	4.0	77	Fine a. showers 15 h. till 18 h.		
7	1008.4	1013.8	77.4	75.7	80	75	1.0	1.0	7.1	6.1	86	85	24	7	26	2	3	0	—	8.3	75	Strong wind a. showers 15 h. till 18 h.		
8	1023.0	1030.4	77.3	78.6	80	75	1.2	1.1	6.8	7.8	82	86	26	5	22	2	4	8	9.3	8.8	73	a. Very fine.		
9	1025.7	1018.9	79.0	81.4	82	78	0.1	0.3	9.2	10.5	98	96	20	6	22	6	100	100	2.4	—	76	Squally and overcast.		
10	1025.7	1023.3	79.2	79.7	82	78	1.2	0.2	7.8	9.5	83	98	24	3	20	2	10	100	8.2	0.6	76	Dull and gloomy.		
11	1019.3	1027.7	79.8	76.9	81	77	0.7	0.8	8.8	7.1	91	88	24	5	26	1	6	0	0.5	7.4	78	Dull a. 13 h. and 15 h. till		
12	1023.3	1015.9	79.7	78.0	81	75	1.6	0.4	7.8	8.2	78	94	22	2	28	4	10	100	0.5	2.9	71	early a. Cloudy.		
13	1016.6	1003.0	77.9	80.2	81	73	1.5	0.0	6.8	10.2	80	100	12	1	20	6	8	100	3.2	0.6	76	early a. after 17 h.		
14	1006.1	1004.0	78.8	76.6	81	76	0.9	1.2	8.2	6.5	88	82	22	3	24	7	10	8	1.2	1.3	70	Dull and squally.		
15	1009.8	998.9	75.8	78.6	80	75	1.1	0.5	6.1	8.5	83	94	24	7	20	6	4	100	1.9	6.0	73	a. 20 h. 23 h.		
16	1001.0	996.2	76.3	75.2	79	74	1.1	0.8	6.5	6.1	83	87	24	7	24	2	3	2	0.3	6.0	73	early. after 15 h.		
17	992.5	1006.7	77.1	73.6	79	73	0.2	1.7	7.8	4.4	98	69	32	3	32	2	100	8	0.6	5.0	70	a. Cloudy to dull.		
18	1005.7	989.1	73.6	76.4	80	76	1.2	0.5	5.1	7.1	78	92	30	1	16	8	8	100	9.8	3.2	74	a. Cloudy to dull.		
19	969.8	980.0	78.3	77.5	81	76	1.4	1.5	7.1	6.5	81	77	24	8	24	8	4	4	—	8.0	74	a. 14 h. 17 h.		
20	987.1	987.4	78.5	77.4	80	76	2.1	1.2	6.8	6.8	74	82	22	6	20	3	4	8	0.3	5.4	75	Squally. T < 18 h. 18 h.		
21	989.8	992.2	80.2	79.0	81	77	1.8	0.9	7.8	8.2	76	88	16	5	18	3	6	7	1.3	6.9	75	Squally, with showers.		
22	996.6	984.7	79.8	74.7	80	74	1.1	0.6	8.5	6.1	85	90	16	3	4	6	4	100	18.3	1.5	76	Dull. (sleet).		
23	990.5	1005.4	78.2	78.0	81	74	0.7	1.1	8.2	7.5	92	84	26	5	32	2	10	2	0.8	1.3	72	a. Dull, with showers.		
24	1017.9	1023.7	78.9	77.2	81	76	2.6	1.4	6.5	6.5	68	79	30	2	28	1	4	—	—	7.7	72	Fine till 15 h., then dull.		
25	1026.0	1023.7	80.1	78.7	82	76	1.6	1.7	7.8	7.1	79	78	12	2	12	3	2	—	—	10.0	72	Very fine.		
26	1018.9	1011.1	77.2	78.0	80	76	2.5	1.1	6.5	7.5	79	84	10	4	10	3	10	0	—	3.0	75	Overcast and squally, then fine.		
27	1006.1	1000.3	78.0	79.1	81	76	1.0	0.6	7.5	8.5	85	90	12	2	8	4	10	8	—	6.8	74	Cloudy a. Fine afternoon.		
28	991.8	995.6	78.7	79.1	80	77	0.7	0.5	8.2	8.8	90	92	8	6	16	2	10	10	4.4	—	77	Dull. showers after 11 h.		
29	1005.0	998.3	81.3	79.7	85	78	1.9	0.4	8.2	9.2	76	94	8	3	6	5	4	100	4.1	10.1	75	Very fine till 17 h.		
30	1000.3	1007.8	80.5	79.7	84	79	0.1	0.5	10.2	9.2	98	94	26	1	22	1	10	3	—	4.7	79	Overcast a., then fine.		
31	1007.1	1008.1	80.8	77.4	81	77	0.8	1.1	9.5	7.1	90	84	14	2	30	1	8	0	2.6	2.3	76	a. Dull. 11 h. 15 h.		
Mean	1007.3	1006.1	78.7	78.2	81.1	76.0	1.1	0.8	7.8	7.9	85	88	4.1	3.9	7.1	6.5	105.0	4.46	7.45					
Mean Barometer at Station Level.	996.7	995.5																						

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Mean Barometer at Station Level.

† Beaufort Scale (0-12).

x denotes the highest and n the lowest of the values in the column.

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

ARMAGH, a.—MARCH 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H_b=61.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200+	200+	200+	200+			millibar.		%	%		*	*	Tenths of Sky covered.		mm.	hr.	200+				
1	1014.2	1004.0	79.7	79.8	81	80	1.0	0	8.5	8.8	86	91	16	8	18	5	10	10	4.3	—	78	● 10 h.-20 h.		
2	1010.8	1001.3	79.5	80.2	83	76	1.9	0.7	7.5	8.2	76	82	22	3	16	9	2	10	9.2	4.9	71	Fine. ● after 17 h.		
3	1006.7	1011.5	78.9	77.2	83	77	0.5	1.6	8.5	6.5	92	78	—	0	20	4	10	10	—	2.5	78	Cloudy.		
4	997.7	997.9	83.2	80.3	86	77	2.2	1.7	9.2	7.8	74	77	18	11	20	7	10	9	0.9	0.2	76	Overcast. Drizzling p.		
5	1009.4	1003.7	78.9	80.0	83	76	2.6	2.5	6.5	6.8	68	69	18	7	18	10	2	5	1.4	2.8	75	Cloudy. ● showers.		
6	1008.4	1002.0	78.5	73.6	81	74	1.7	0.2	7.1	6.1	79	96	18	6	20	5	10	0	7.2	2.3	76	Fine a. ● 13 h.-17 h.		
7	1009.4	1015.2	76.5	73.6	80	74	1.1	0.6	6.5	5.8	84	89	20	5	22	2	8	3	3.1	6.7	73	Fine. ▲ showers p.		
8	1025.7	1029.8	76.1	78.1	82	72	1.0	1.6	6.5	6.8	85	79	22	3	20	4	5	10	1.4	5.8	71	☼ a. Fine day.		
9	1021.0	1017.6	80.5	81.9	83	77	1.1	1.1	8.8	9.8	86	86	20	9	20	7	10	10	1.7	—	76	Overcast.		
10	1025.4	1019.9	79.2	78.2	82	77	1.8	1.4	7.1	7.1	77	81	20	4	18	3	10	10	6.6	—	76	Overcast.		
11	1021.6	1027.1	79.4	75.9	83	76	1.9	1.8	7.1	5.4	75	74	22	3	22	2	9	0	—	7.0	76	Fine.		
12	1018.6	1016.9	79.8	75.2	82	74	2.4	0.9	6.8	6.1	70	85	16	6	—	1	10	2	1.8	1.5	73	Cloudy. ● showers 18 h.		
13	1012.1	1001.0	76.1	80.0	81	73	1.3	0.6	6.1	9.2	81	92	18	4	20	5	10	7	1.4	0.1	70	Overcast. ● 14 h.-17 h.		
14	1003.0	1001.3	78.4	73.8	82	74	1.7	1.2	7.1	5.1	78	79	18	4	20	6	10	10	5.7	3.3	71	Cloudy. ● showers p.		
15	1010.8	997.9	73.6	74.3	87	77	0.8	1.1	5.4	5.4	84	80	20	4	20	4	8	10	5.4	3.2	72	☼ a. Fine. ● shower		
16	998.9	993.9	74.3	73.9	87	77	1.2	1.3	5.4	5.1	77	77	20	7	20	6	3	0	1.2	6.4	71	Fine. ● shower 14 h.		
17	996.9	1008.4	76.2	71.6	79	72	1.5	1.3	6.1	3.7	77	65	28	3	—	1	10	0	—	1.0	72	Cloudy. ▲ 16 h.		
18	1002.7	980.7	73.6	77.2	79	70	0.9	0.6	5.4	7.5	83	92	4	2	16	9	7	10	11.6	1.7	76	☼ a. Cloudy. ● from 16		
19	970.5	979.6	76.8	75.1	80	75	1.0	1.5	6.8	5.4	85	76	22	7	20	5	9	3	3.1	5.3	75	● showers. Bright interval		
20	984.4	983.7	77.1	75.2	80	75	1.3	1.5	6.8	5.4	81	76	18	7	18	5	9	0	1.8	2.0	73	Cloudy, with ● showers.		
21	985.4	989.1	78.8	76.7	83	75	1.5	2.0	7.5	5.8	81	71	18	7	16	5	8	8	—	6.3	74	Fine.		
22	991.5	988.8	80.6	77.4	82	76	2.5	1.3	7.1	6.8	69	80	16	7	—	1	9	10	—	2.2	75	Cloudy.		
23	993.5	1008.1	80.3	77.1	84	75	1.6	1.3	8.2	6.8	78	81	24	2	32	2	9	7	—	3.7	72	Cloudy.		
24	1018.9	1022.7	76.7	77.2	82	72	1.2	1.9	6.5	6.1	83	74	32	2	20	2	10	2	—	2.0	69	☼ a. Cloudy.		
25	1024.7	1022.0	80.7	79.1	85	75	2.7	2.9	7.1	6.1	68	64	18	2	14	3	8	10	—	8.0	72	Fine.		
26	1016.2	1008.1	78.4	78.2	80	74	2.0	1.6	6.8	6.8	75	79	12	4	10	2	9	8	—	3.3	71	Cloudy.		
27	1002.7	996.6	79.7	78.6	83	77	1.7	1.3	7.5	7.5	77	84	12	3	8	2	10	10	—	5.7	73	Fine.		
28	988.4	992.2	80.1	77.0	81	77	1.5	0.6	8.2	7.5	79	92	8	6	20	3	10	4	—	4.7	—	77	● noon-14 h. 30 m.	
29	1004.4	1000.3	81.9	76.7	85	75	2.2	1.1	8.2	6.8	73	84	14	3	—	1	7	0	—	9.8	72	Fine.		
30	1002.0	1005.4	82.8	80.2	86	77	2.6	2.8	8.5	6.8	70	66	—	1	20	2	0	10	5.1	8.0	71	Very fine.		
31	1006.7	1007.1	79.7	77.3	84	77	1.3	2.2	8.2	5.8	82	71	—	1	—	1	9	0	—	5.5	77	Very fine.		
Mean	1005.9	1004.4	78.6	77.1	82.0	75.0	1.6	1.4	7.2	6.6	78	80	4.5	4.0	8.1	6.1	77.6	3.59	73.3					
Mean Barometer at Station Level.	998.4	996.8																						

DUBLIN (PHOENIX PARK), a.—MARCH 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H_b=48.5 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

		Long. 6° 21' W. Time, Dublin mean time.																						
		1016.9	1007.4	80.1	81.1	82	80	1.2	1.0	8.5	9.2	84	87	16	4	16	5	10	10	2.0	—	77	• 10 h.-13 h. Overcast.	
1	2	1013.2	1005.7	80.6	83.4	84	77	1.5	1.0	8.5	11.2	81	88	22	5	18	11	2	7	12.2	6.2	74	Bright a. • showers 18 h.	
3	4	1007.1	1014.2	78.5	77.4	85	77	0.1	0.7	8.8	7.5	98	90	26	3	20	3	10	0	1.5	1.7	77	• a. Cloudy.	
5	6	1013.8	1007.8	80.0	82.8	84	74	2.5	1.9	7.1	9.2	69	77	18	5	22	9	10	0	1.8	2.9	74	Cloudy. • 18 h., then •	
7	8	1011.5	1006.1	80.3	75.2	83	75	1.6	0.9	7.8	6.1	78	87	20	5	18	11	1	10	1.9	4.7	72	Bright a. Cloudy. • 13 h.-18 h.	
9	10	1012.8	1017.6	77.0	73.5	80	74	1.1	0.3	6.8	6.1	84	95	22	5	22	5	4	0	7.2	2.0	75	Cloudy. • 13 h.-18 h.	
11	12	1027.4	1032.1	75.5	78.8	81	72	0.7	1.3	6.5	7.8	88	84	22	3	22	4	4	10	3.8	6.3	71	Bright a. • 13 h.-18 h.	
13	14	1025.4	1021.0	80.9	82.4	83	78	0.7	0.6	9.8	10.9	92	93	22	8	22	8	10	2	1.5	—	76	Beautiful day.	
15	16	1027.7	1021.0	80.9	80.1	83	79	1.4	0.1	8.8	9.8	83	99	22	3	—	1	10	10	2.0	—	76	Overcast. • from 22 h. Overcast. • 17 h.-20 h.	
17	18	1023.7	1029.1	81.2	74.2	84	72	1.4	0.5	8.8	6.1	81	90	24	4	—	1	2	0	—	8.2	77	• till 3 h. Beautiful day.	
19	20	1022.7	1018.9	79.8	77.4	84	71	1.2	0.4	8.2	7.8	83	94	18	2	26	3	8	1	—	3.0	67	• 20 h.-21 h.	
21	22	1016.2	1002.7	75.9	82.2	83	69	0.3	0.2	7.1	11.2	95	97	—	0	20	7	4	10	0.8	0.2	67	Cloudy.	
23	24	1005.7	1007.4	79.7	74.2	84	74	1.3	0.4	8.2	6.1	81	91	22	2	22	5	10	10	2.8	2.6	76	Cloudy.	
25	26	1014.2	1001.0	74.6	76.8	87	72	0.5	0.3	6.1	7.8	91	96	22	6	18	11	8	10	4.3	3.4	71	• early a. Cloudy. • p.	
27	28	1002.7	996.9	76.2	74.7	79	72	1.0	0.7	6.5	6.1	84	88	22	6	20	4	6	7	—	6.7	71	• 7 h.-8 h. Beautiful day.	
29	30	996.9	1009.1	76.8	73.1	81	73	1.6	0.6	6.1	5.4	78	88	24	6	28	2	8	3	0.5	3.9	70	• 12 h.-13 h.	
31	1	1004.4	983.7	75.0	80.0	80	67	1.9	1.4	5.1	8.2	70	81	—	0	18	8	10	8	4.1	1.4	71	Cloudy. • showers 17 h.-21 h.	
3	4	974.9	984.7	77.2	76.5	82	75	0.7	0.8	7.5	6.8	89	87	22	7	22	6	8	5	1.4	6.6	75	• showers 4 h.-7 h. Fine.	
5	6	987.4	987.1	78.5	76.7	81	75	1.3	1.3	7.5	6.5	84	81	18	6	18	4	7	1	1.3	4.0	72	• showers p.	
7	8	987.8	991.2	79.6	78.4	81	76	1.4	1.1	7.8	7.5	80	86	18	7	18	5	6	7	—	1.2	72	Cloudy.	
9	10	993.9	988.8	81.2	77.5	82	77	2.1	0.5	7.8	7.8	74	92	14	3	—	1	10	10	—	0.8	74	Dull.	
11	12	994.9	1008.8	81.1	76.4	84	75	1.6	0.3	8.5	7.5	80	95	24	3	28	2	5	2	2.0	6.2	72	Bright a. • 15 h.	
13	14	1019.6	1023.7	79.6	74.1	82	71	2.3	0.4	6.8	6.1	71	90	24	2	—	0	0	0	—	8.2	66	Beautiful day.	
15	16	1025.7	1022.7	81.2	72.8	84	69	2.1	0.2	8.2	5.8	75	98	—	1	—	0	0	0	—	3.8	66	Cloudy.	
17	18	1016.9	1009.1	78.5	79.5	81	71	1.7	0.8	7.1	8.5	78	87	12	4	10	2	3	0	—	6.7	56	Fine.	
19	20	1003.3	996.9	81.3	80.0	84	76	1.3	0.3	9.2	9.5	83	96	14	3	10	3	6	0	3.3	5.4	70	Fine. • 19 h.	
21	22	986.8	993.2	79.4	78.6	83	77	0.2	1.1	9.5	7.8	88	86	8	7	—	1	10	3	6.2	—	76	• till 14 h. Overcast.	
23	24	1003.3	999.3	81.4	80.2	84	72	1.1	1.1	9.5	8.5	86	86	10	2	32	4	7	2	—	7.2	67	Beautiful day.	
25	26	1003.7	1006.7	81.2	80.2	86	77	1.4	1.0	8.8	8.8	82	86	24	3	18	2	0	1	0.8	9.8	76	Beautiful day.	
27	28	1006.7	1007.1	80.1	73.4	84	72	1.1	0.2	8.5	6.1	86	98	24	2	—	0	8	0	—	5.3	75	• 3 h.-6 h. Fine.	
Mean		1008.1	1006.5	79.3	77.8	82.6	74.0	1.3	0.7	7.9	7.8	83	89	4.0	4.2	6.2	4.2	6.2	4.2	6.2	4.0	5.3	75	
Mean Barometer at Station Level.		1002.1	1000.5																					
* Metres per second.																								
METEOROLOGICAL OFFICE, LONDON.																								

* Metres per second.

α denotes the highest and α the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON,
26th June, 1913.

FORT WILLIAM, INVERNESS-SHIRE, a.—APRIL 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8 = E, 16 = S) and Force 0 12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.					
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
	millibar.		200 +	200 +	200 +	200 +	millibar.						%		Tenths of Sky covered.		mm.	hr.	°		
1	1007.8	1013.2	78.0	76.3	84	72	1.7	1.1	6.8	6.5	77	83	0	20	1	1	2	0.8	—	Fine and sunny. ● evening.	
2	1009.8	1013.5	76.2	79.5	81	71	3.2	1.6	4.4	7.5	57	78	8	1	1	9	10.00	—	—	Fine and sunny. ∞ at times.	
3	1022.0	1029.4	82.3	79.4	87	79	2.5	1.5	8.2	7.8	69	79	0	1	0	7	0.00	—	—	Fine and sunny.	
4	1033.2	1032.8	79.0	77.9	88	74	1.5	1.0	7.5	7.5	80	85	0	8	4	0	0.00	—	—	Fine and sunny. Very dry.	
5	1031.1	1026.4	78.7	79.3	85	74	3.0	2.5	5.8	6.5	64	68	4	5	4	4	0	9	—	Fine and sunny.	
6	1022.0	1021.0	81.9	77.7	82	76	2.8	1.9	7.5	6.1	67	73	4	5	4	4	8	1	—	Fine and sunny.	
7	1022.0	1024.0	79.7	82.3	86	75	2.3	2.1	6.8	8.8	70	74	4	5	4	4	8	1	—	Fine and sunny.	
8	1024.3	1023.3	82.2	81.1	89	75	2.1	1.5	8.8	8.5	75	81	8	1	5	3	7	—	—	Fine and sunny.	
9	1023.0	1019.3	80.6	81.3	83	77	2.6	1.2	7.1	9.2	68	85	20	1	24	2	1	5	—	Fine and sunny.	
10	1016.6	1021.0	79.7	74.7	81	74	1.6	1.8	7.8	5.1	78	71	4	4	6	3	10	10	2.0	—	Dull and cloudy. ● evening.
																		2.0	—	—	Dull and cloudy.
11	1012.1	1008.1	72.4	74.1	76	72	0.5	0.4	5.1	6.1	85	91	0	4	3	3	10.00	10	9.1	—	Steady *.
12	1016.9	1018.9	75.4	74.8	79	72	1.3	1.3	5.8	5.4	79	79	4	3	4	0	10.00	10	—	—	2 ins. - 3 ins.
13	1015.5	1010.5	76.3	78.6	82	72	1.6	0.6	5.8	8.5	75	92	0	4	20	4	10.00	100	5.6	—	Fine, dry, sunny.
14	1005.0	1004.4	80.2	77.9	82	77	1.1	1.1	8.5	7.5	85	85	20	4	20	3	10.00	100	—	—	Dull, ∞, showery.
15	1003.0	983.7	80.1	79.0	82	76	2.0	1.5	7.5	7.3	81	20	3	3	20	5	9	100	21.3	—	Dull and showery.
16	981.3	985.7	77.0	77.5	81	74	0.7	0.6	7.5	7.8	90	91	20	5	4	4	9.00	100	22.6	—	Dull and showery.
17	992.5	995.9	77.3	75.2	81	74	0.9	0.5	7.1	6.5	88	91	20	3	10	0	8	100	12.2	—	Boisterous. Showers. ● early. Sunshine and showers.
18	993.5	987.8	78.7	77.0	81	74	1.3	0.3	7.5	7.8	84	96	24	3	20	2	9.00	100	8.4	—	Boisterous. Showers. ● early. Sunshine and showers.
19	987.8	997.9	77.4	78.1	81	75	1.1	1.8	7.1	6.8	84	76	20	3	20	3	7.00	100	8.6	—	Bleak and showery.
20	1008.1	1010.1	79.1	77.4	86	76	2.8	1.4	6.1	6.8	65	79	20	2	10	0	7.00	100	—	—	Bleak and showery. Snowing on hills.
																		0	—	—	Fine, clear, sunny.
21	1007.1	1015.5	81.3	81.3	83	76	2.7	0.5	7.1	10.2	67	94	12	4	10	0	10.00	100.00	1.0	—	Dull, cloudy, fair generally.
22	1020.6	1022.0	82.0	80.7	85	80	0.2	1.0	11.2	9.2	98	87	20	1	20	2	10.00	100	—	—	Dull, cloudy, fair.
23	1019.3	1010.8	81.3	81.2	86	80	1.3	1.5	9.2	8.8	83	81	20	1	10	0	10.00	9.00	—	—	Fine and sunny. ∞.
24	1000.3	993.9	85.8	82.7	89	80	2.9	1.9	10.2	9.2	70	76	20	2	1	10	10.00	100	2.5	—	Fine, but ∞. ● evening.
25	992.5	987.4	80.2	79.1	86	79	1.0	1.6	8.8	7.5	86	80	20	2	8	3	10	7	1.3	—	Fine and sunny.
26	983.7	973.9	77.4	81.6	84	76	1.1	2.0	7.1	8.2	84	75	20	6	20	6	10	100	10.9	—	Sunny intervals. Squalls. ● p.
27	986.4	990.8	80.8	78.0	82	76	3.9	1.1	5.8	7.5	56	84	20	2	20	2	8	9	7.6	—	Showerly, with sunny intervals.
28	998.9	1001.3	81.8	80.2	86	77	1.6	0.6	9.2	9.2	80	91	20	3	10	0	7.00	100	5.1	—	Fine generally. ● n. showers at times.
29	1012.5	1012.8	84.7	82.8	89	79	4.0	2.8	8.2	8.2	59	68	20	3	20	1	3	7	3.6	—	Fine generally. ● n. showers at times.
30	1000.6	1008.1	83.8	80.1	85	79	1.4	0.4	10.9	9.5	83	94	6	2	20	1	10.00	7	1.0	—	Dull and showery.
Mean	1008.3	1008.1	79.8	78.9	83.8	75.8	1.9	1.3	7.5	7.7	76	82	2.5	2.0	7.5	7.4	137.5	—	—	—	—
Mean Bar-ometer at Station Level.	1006.9	1006.7																			

DOUGLAS, ISLE OF MAN, a.—APRIL 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

1	1007.8	1011.8	79.7	75.1	82	75	1.3	1.0	8.2	6.1	82	84	30	1	10	10	10	10	5.6	—	— early. ▲ 11 h. Cloudy intervals.
2	1010.8	1013.2	79.2	79.8	82	75	0.1	0.1	9.5	9.8	98	98	16	3	10	10	10	10	1.2	—	Dull and showery. (intervals.)
3	1020.6	1027.1	80.6	81.3	87	79	0.8	1.3	9.2	8.8	89	83	10	3	6	2	4	0	—	—	Very fine; cloudy intervals.
4	1028.1	1026.0	80.8	78.8	84	77	2.2	1.4	7.8	7.5	73	83	4	5	4	7	2	4	—	—	Squally intervals.
5	1023.3	1020.6	80.6	78.0	85	77	2.0	1.1	7.8	7.5	75	84	4	5	4	5	0	0	—	—	Squally.
6	1017.6	1016.9	79.4	77.8	83	76	1.4	1.4	7.8	7.1	80	82	4	6	6	2	6	2	—	—	Squally and cloudy.
7	1018.9	1022.3	79.7	78.9	83	77	2.3	1.5	7.1	7.5	71	81	4	3	6	2	4	0	—	—	Fine; squally intervals.
8	1024.0	1022.3	81.9	79.7	86	77	1.7	0.6	8.8	9.2	79	92	2	1	28	6	3	4	—	—	Very fine. Wind rising after 18 h.
9	1023.3	1023.0	80.4	80.6	82	79	1.5	0.8	8.2	9.2	80	90	30	4	28	4	8	10	4.2	—	Cloudy and squally.
10	1016.9	1018.9	80.9	79.1	83	79	0.1	1.1	10.5	7.8	99	84	28	5	6	2	10	10	1.7	—	● early. Dull and squally.
11	1014.9	1005.7	77.0	78.6	80	77	0.1	1.4	8.2	7.5	98	82	12	3	30	7	10	10	6	—	● till 16 h. ● showers p.
12	1016.2	1019.3	76.9	76.0	80	74	1.0	0.8	6.8	6.8	86	89	14	2	8	1	10	10	4	—	Dull; occasional ●.
13	1018.3	1015.5	78.6	79.8	81	75	1.2	0.6	7.8	9.2	85	93	16	2	20	1	10	10	0.5	—	— early. Dull.
14	1012.5	1009.4	80.2	80.8	81	79	0.5	0.5	9.5	9.8	92	94	18	4	24	3	10	10	8	—	Dull and showery.
15	1008.8	994.2	81.3	79.8	82	80	1.6	0.1	8.5	9.8	79	98	20	3	18	10	6	10	11.3	—	Fine before 11 h. Squally, with ●.
16	989.8	995.2	77.9	79.4	81	76	0.2	1.4	7.1	7.8	70	80	22	4	22	3	5	10	2.1	—	● 10 h. and 17 h. ● 20 h. 30 m.
17	996.6	999.6	79.2	76.4	82	76	1.3	0.6	7.8	7.1	82	90	24	4	22	1	8	2	1.5	—	Fine, but squally. ● 20 h. 30 m.
18	997.9	988.4	80.2	80.5	82	76	1.5	0.1	8.2	10.2	79	98	22	3	24	3	8	10	5.3	—	● early. ● 20 h. 30 m.
19	993.2	1004.0	79.3	77.5	81	76	1.9	1.0	7.1	7.1	76	86	24	8	26	5	8	2	2.8	—	Occasional ●.
20	1012.1	1010.5	80.4	80.0	84	77	1.7	1.6	7.8	7.8	77	78	24	4	10	3	6	10	9.2	—	Very fine. ● after 22 h.
21	1007.8	1015.9	80.2	83.5	85	78	0.5	1.2	9.5	10.9	92	87	12	3	28	1	10	10	0.3	—	● 10 h. -15 h.
22	1020.6	1021.6	83.9	83.6	86	82	1.0	1.3	11.5	10.9	88	85	4	1	26	1	10	10	—	—	Dull.
23	1019.9	1012.8	84.7	83.2	87	81	1.6	1.9	11.2	9.5	81	78	16	1	8	1	10	10	—	—	Very fine.
24	1003.7	996.9	83.6	80.8	84	81	0.8	0.0	11.5	10.5	91	100	14	3	20	3	8	10	5.0	—	— a. ● 2 h. -18 h. and after 22 h.
25	995.9	988.4	80.7	77.4	82	77	1.6	1.1	8.5	7.1	80	84	22	3	20	6	4	10	1.0	—	Very fine. ● 16 h. -17 h. 30 m.
26	989.8	984.4	79.5	79.9	82	77	1.6	1.8	7.5	7.5	78	76	16	5	20	3	10	10	6.1	—	● 9 h. 30 m. -17 h.
27	986.8	993.5	79.2	80.2	82	78	0.5	1.2	8.8	9.2	84	10	3	16	4	10	8	10	2.3	—	● 10 h. -12 h. Cloudy p.
28	1001.3	1005.7	81.0	80.5	84	80	1.1	0.6	9.2	9.5	86	91	12	4	16	4	10	0	3.1	—	Dull a. ● p.
29	1014.9	1008.4	82.3	81.4	83	80	1.0	0.3	10.2	10.5	88	96	14	3	6	5	8	10	8.4	—	Dull and squally. ● after 12 h.
30	1003.0	1010.5	81.3	81.0	84	80	0.3	0.2	10.5	10.5	95	98	20	2	18	2	10	10	—	—	Fine afternoon; squally intervals.
Mean	1009.8	1009.4	80.4	79.6	83.0	77.8	1.1	0.9	8.7	8.6	84	88	3.4	3.3	7.4	6.6	76.2	4.8	76.6	—	—
Mean Barometer at Station Level.	999.3	998.8																			
+ Beaufort Scale (0-12).																					

ARMAGH, a.—APRIL 1913.

Heights above Mean Sea Level:—Station, H = 59.8 m.; Barometer, H_b = 61.6 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8 = E, 16 = S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sun- shine.	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.		200 +	200 +	200 +	200 +	millibar.		%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +							
1	1008.8	1010.5	78.4	75.6	84	74	1.3	1.4	7.5	5.8	83	79	20	2	16	3	10	0	0.6	3.5	69	Fine. ● shower 17 h. 30 m.	
2	1008.4	1009.4	80.1	80.2	82	75	1.6	1.1	8.2	8.5	79	85	16	2	14	5	9	10	1.1	2.2	74	Fine a. ● showers after 15 h.	
3	1018.6	1027.1	81.9	80.6	86	80	2.2	2.6	8.2	7.1	73	68	12	5	6	2	9	8	—	3.8	77	Very fine.	
4	1030.1	1028.1	80.8	76.4	86	74	1.8	2.5	8.2	5.1	78	64	6	2	2	2	9	0	—	9.0	70	Very fine.	
5	1025.4	1022.3	81.0	77.9	85	75	2.5	2.4	7.5	6.1	70	69	2	5	4	3	0	0	—	11.6	71	Clear all day.	
6	1019.6	1017.6	81.3	78.6	87	75	3.2	1.8	6.8	6.8	62	77	4	2	—	1	0	0	—	10.3	70	Very fine.	
7	1020.3	1023.3	80.1	79.3	83	73	1.7	1.7	6.8	7.5	67	78	4	2	—	0	0	10	—	8.2	68	Very fine.	
8	1025.0	1025.0	80.0	78.5	88	74	0.5	1.1	9.2	7.8	94	86	2	2	—	1	0	2	—	8.7	71	Very fine.	
9	1025.0	1024.3	80.8	80.8	84	78	1.8	1.2	8.2	8.8	77	85	—	1	28	2	10	10	0.4	—	76	Overcast.	
10	1018.6	1019.6	82.7	81.2	85	80	1.0	0.8	10.5	9.5	87	89	26	3	—	0	10	10	5.7	—	80	Overcast.	
11	1010.1	1009.4	81.6	76.1	84	76	0.3	1.1	10.9	6.5	96	82	20	3	28	2	10	0	3.8	1.5	75	● showers a. Fine p.	
12	1015.9	1017.9	79.1	77.4	84	76	1.3	1.3	7.8	6.8	82	80	—	1	—	1	10	2	—	4.6	72	Fine.	
13	1016.6	1013.5	80.2	80.1	84	76	2.5	2.0	7.1	7.5	69	74	20	3	20	4	9	10	—	3.5	74	Fine.	
14	1008.4	1008.4	81.2	77.7	86	78	1.1	1.2	9.2	7.1	86	82	20	6	22	2	10	0	1.5	2.7	79	Some showers.	
15	1005.0	985.4	81.1	80.9	82	76	2.4	0.7	7.5	9.8	71	92	18	5	22	9	10	10	8.1	1.1	75	Some showers.	
16	988.1	992.5	80.4	78.0	82	76	0.0	0.4	10.2	8.2	99	94	20	5	20	5	10	10	0.9	8.0	74	▲ shower 9 h. 30 m. Fine.	
17	996.6	997.2	78.8	77.3	84	76	1.7	1.7	7.1	6.5	77	76	22	2	20	3	6	8	1.5	6.7	74	▲ shower 10 h. 45 m.	
18	996.2	989.8	80.7	78.8	82	76	2.0	0.2	7.8	8.8	74	97	20	4	24	2	8	8	4.8	2.2	75	Shower.	
19	995.2	1005.4	79.0	76.8	84	76	0.2	0.0	9.2	8.2	97	100	26	5	26	2	3	0	0.5	8.4	75	Shower.	
20	1011.8	1007.4	81.4	79.2	85	76	0.1	0.0	10.9	9.5	98	100	22	3	14	6	4	10	2.0	10.2	73	Very fine.	
21	1005.4	1016.2	83.2	82.6	85	79	0.6	0.3	11.5	11.5	93	96	14	4	—	0	10	10	—	—	78	Overcast.	
22	1022.0	1022.7	84.1	82.8	88	81	1.2	1.3	11.2	10.2	87	84	—	0	—	0	10	10	—	2.2	79	Fine.	
23	1018.9	1009.1	85.4	83.7	88	80	2.0	1.9	10.9	10.2	76	78	—	1	14	3	10	8	1.8	3.2	79	Fine.	
24	998.6	996.9	82.3	79.6	84	79	0.6	0.4	10.9	9.2	93	95	14	5	—	1	10	10	8.0	—	81	Overcast and showery.	
25	993.9	981.0	80.3	76.0	83	76	1.9	0.4	7.8	7.1	75	94	18	3	20	2	6	10	6.1	3.0	74	Fine a. Showers p.	
26	983.7	981.3	78.1	77.4	84	74	1.3	2.1	7.1	6.1	82	71	14	5	18	7	10	0	6.4	1.5	72	Shower till 16 h. [h 15 m.]	
27	984.7	989.8	77.4	78.2	82	75	0.6	1.4	7.5	7.1	90	81	—	1	16	3	10	0	9.5	2.0	74	Shower. [h 14 h. 45 m.]	
28	996.9	1002.7	82.3	79.7	86	77	3.1	1.7	7.5	7.5	64	77	16	8	16	5	1	0	5.6	7.2	74	Fine a. Some showers p.	
29	1011.1	1008.8	83.7	80.0	86	78	2.5	0.6	9.2	9.2	72	92	14	6	—	1	9	10	1.5	4.7	76	Fine a. Some showers p.	
30	1004.0	1008.1	82.0	80.8	87	79	1.5	2.4	9.2	7.5	82	71	24	2	16	3	10	8	1.3	5.0	79	Fine.	
Mean	1008.8	1008.4	81.0	79.1	84.7	76.7	1.5	1.3	8.7	7.9	81	83	3.3	2.7	7.4	5.8	85.1	4.50	74.6				
Mean Bar- ometer at Station Level.	1001.3	1000.9																					

DUBLIN (PHOENIX PARK), a.—APRIL 1913.

Heights above Mean Sea Level:—Station, H = 47.3 m.; Barometer, H_b = 48.5 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1010.1	1012.1	78.0	72.3	84	n 71	0.8	0.2	7.8	5.4	88	96	24	3	—	0	10	0	—	5.2	67	Cloudy a. Bright p.
2	1008.8	1009.4	82.1	80.3	84	n 71	1.9	0.8	8.8	8.8	77	88	—	1	14	4	6	10	1.8	1.6	n 66	● showers a. and p.
3	1018.6	1025.7	82.2	79.7	85	79	1.3	0.6	9.8	8.8	83	91	12	4	4	3	7	10	—	5.6	77	Fine; cloudy intervals.
4	1028.4	1025.0	81.2	80.3	84	75	1.6	1.3	8.8	8.5	81	82	2	5	4	8	7	5	—	4.8	69	Fine; cloudy intervals.
5	1023.0	1019.6	81.2	82.8	85	78	1.7	1.1	8.5	10.5	80	86	4	10	4	6	2	0	—	11.2	74	Beautiful day.
6	1018.6	1016.2	81.7	80.1	84	76	2.1	3.2	8.5	6.1	74	61	4	5	—	1	4	0	—	9.5	73	Beautiful day.
7	1019.6	1022.7	79.1	77.8	n 82	74	1.6	0.4	7.5	8.2	80	93	4	5	4	2	9	0	—	4.5	68	Fine, but cloudy.
8	1024.7	1024.7	81.8	79.8	n 89	73	1.2	0.3	9.5	9.5	85	97	—	1	—	1	2	5	—	8.9	68	Beautiful day.
9	1025.4	1026.0	80.2	81.2	84	79	0.2	1.4	9.8	8.8	97	81	30	3	24	3	10	8	—	0.1	75	Overcast.
10	1021.0	1019.9	81.5	81.4	84	n 80	0.9	0.2	9.8	10.5	88	97	26	5	28	3	10	10	3.3	—	78	Overcast. ● at intervals 16 h.
11	1013.8	1010.5	81.8	79.2	83	79	0.5	1.6	10.5	7.5	94	79	24	2	26	6	10	7	2.5	1.5	75	● at intervals a. and p.
12	1015.9	1018.6	79.6	79.2	n 82	77	1.6	1.4	7.8	7.8	81	26	3	10	2	10	10	0	0.5	3.0	73	● 4 h. ● 9 h. -11 h.
13	1017.9	1015.9	81.9	77.2	85	72	2.1	0.9	8.5	7.1	74	88	—	1	—	0	8	6	0.4	3.0	68	Fine, but cloudy.
14	1011.8	1010.1	82.8	80.9	85	76	2.1	0.8	9.2	9.5	75	90	20	5	22	3	10	10	—	1.0	74	Fair, but cloudy.
15	1008.4	989.8	82.1	82.3	84	77	2.5	1.0	8.2	10.2	70	86	20	3	18	10	7	10	8.6	0.4	72	● at intervals a. and p.
16	991.5	995.6	78.1	79.0	83	77	1.3	1.7	7.1	7.1	82	79	24	6	20	5	10	9	2.5	6.2	75	● 3 h. ● at intervals a.
17	998.3	1000.3	79.7	78.4	n 82	75	1.8	1.4	7.5	7.1	76	82	24	5	20	3	7	4	0.4	7.2	72	● 1 h. 30 m. -2 h. Beautiful day.
18	998.6	992.2	81.8	80.7	84	77	2.0	1.0	8.5	9.2	75	87	22	5	24	5	8	6	2.9	0.7	74	● showers early. ● 18 h. -21 h.
19	997.9	1007.1	80.2	77.4	84	77	2.6	1.2	6.8	6.8	68	82	24	6	24	3	5	1	0.9	11.4	73	Beautiful day.
20	1012.8	1007.4	83.1	79.5	85	74	3.2	0.5	7.8	9.2	64	92	24	3	10	5	4	10	8.5	8.6	69	Beautiful day. ● 18 h. -21 h.
21	1004.7	1015.2	83.5	80.3	86	79	0.7	0.3	11.5	9.8	91	96	12	4	32	3	8	1	—	5.0	77	● 1 h. -4 h. Fine, but cloudy.
22	1021.3	1023.3	82.9	81.8	88	75	0.5	0.4	11.5	10.9	94	95	—	0	—	0	8	10	—	2.0	71	Fine, but cloudy.
23	1021.0	1010.5	85.1	78.2	88	78	2.1	0.3	10.5	8.5	76	96	8	2	—	1	8	0	—	6.3	79	Fine; cloudy intervals.
24	1000.3	998.9	83.4	80.3	86	78	1.4	0.8	10.5	8.8	83	88	12	2	24	4	10	10	1.3	0.3	73	● showers a. and p.
25	994.9	988.1	82.2	75.6	84	74	3.2	0.8	7.5	6.5	63	87	18	3	20	8	4	10	6.1	4.8	72	● 13 h. -16 h. * 17 h. 30 m.
26	983.7	984.4	79.7	77.3	85	72	1.0	1.4	8.5	6.8	85	80	12	4	20	4	10	10	7.1	2.4	71	● at intervals 10 h. -14 h.
27	985.1	991.8	77.5	78.7	85	75	0.3	1.4	8.2	7.5	95	82	—	1	16	3	10	1	1.6	5.4	73	● 7 h. -10 h. and p.
28	997.9	1005.0	84.2	80.2	86	77	3.4	1.5	8.2	8.2	63	79	18	7	18	4	3	2	—	7.4	71	Fine.
29	1012.1	1007.1	81.0	80.2	86	74	3.1	0.1	8.5	9.8	66	99	14	4	2	2	7	10	21.3	2.8	71	● from 16 h. 30 m.
30	1006.1	1009.8	82.8	79.7	88	79	1.9	0.7	9.2	8.8	76	90	22	5	—	1	6	4	—	6.7	77	● till 6 h. Fine.
Mean	1009.8	1009.4	81.5	79.4	84.8	76.0	1.7	1.0	8.8	8.4	79	87	3.8	3.4	7.3	5.6	69.7	4.58	72.5			
Mean Barometer at Station Level.	1003.8	1003.5																				
* Metres per second.																						
a denotes the highest and a the lowest of all.																						
METEOROLOGICAL OFFICE, LONDON,																						

FORT WILLIAM, INVERNESS-SHIRE, a.—MAY 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.;
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0—12) or Velocity (metres per second).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.					
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
	millibar.		200+	200+	200+	200+			millibar.		%	%	†	†	Tenths of Sky covered.		mm.	hr.	200+		
1	1009.8	1010.5	81.7	79.5	84	77	1.3	1.3	9.2	8.2	83	82	†	†	10	1	0.3	—	—	Fine and sunny. Showers after 10 h.	
2	1011.1	1004.4	81.9	81.9	85	74	2.2	2.8	8.2	7.5	73	67	Calm	0	Calm	0	4	3	1.0	—	Fine, bright, sunny.
3	997.6	998.9	81.2	80.6	83	80	1.0	1.5	9.5	8.5	86	80	20	3	Calm	0	100	100 ⁰	7.9	—	Dull, cloudy, showery.
4	1004.0	1007.8	79.9	80.2	84	79	0.8	0.4	8.8	9.5	89	94	Calm	0	Calm	0	100	100 ⁰	5.1	—	Showery. Mist on hills.
5	1007.4	1001.7	82.5	82.4	89	79	1.2	2.2	10.2	8.8	85	73	Calm	0	12	3	4	5 ⁰⁰	6.9	—	Fine and sunny a. • after 10 h.
6	1000.3	1000.3	80.3	79.7	83	79	0.6	2.3	9.2	7.1	91	71	4	1	4	3	100	7 ⁰⁰	7.1	—	Bleak, showery.
7	1001.0	1003.7	80.3	80.8	82	79	1.4	3.0	8.2	6.8	81	65	Calm	0	4	3	100	10	1.8	—	Showery forenoon. Fair later.
8	1002.3	1000.6	84.1	81.9	85	81	3.3	2.3	8.5	8.2	64	72	28	3	12	6	10	100	19.6	—	Fine at first. S.E. gale. • after 10 h.
9	1004.0	1002.7	82.4	81.4	83	78	2.3	1.8	8.5	8.5	73	77	4	2	20	3	100 ⁰	7 ⁰⁰	2.3	—	Bleak, dull, showery.
10	1005.7	1007.4	83.8	83.0	89	78	2.7	1.8	8.8	9.5	69	78	Calm	0	Calm	0	6	1000	—	—	Fine, mild, sunny.
11	1010.5	1014.2	84.6	83.4	86	79	2.7	2.9	9.5	8.5	69	68	12	4	16	3	8	9	—	—	Sunshine and cloud.
12	1017.6	1020.3	84.2	86.2	91	80	2.7	2.6	9.2	10.9	70	71	Calm	0	12	2	6	9	—	—	Very fine. Sunshine all day.
13	1024.3	1024.3	84.7	84.9	93	77	3.2	3.2	8.8	9.2	66	66	Calm	0	12	2	0	6	—	—	Very fine. Sunshine all day.
14	1027.1	1028.4	81.8	81.3	86	79	1.6	2.3	8.8	7.8	80	72	4	4	4	3	10	8	—	—	Fine and sunny.
15	1027.7	1023.7	83.1	81.7	90	75	3.6	2.0	7.5	8.5	62	75	Calm	0	20	1	0	1	—	—	Generally fine and calm. (10 h.)
16	1019.3	1010.8	83.6	82.9	86	80	1.7	0.5	10.2	11.5	80	94	22	3	20	2	10	100 ⁰	2.3	—	Fine, but cloudy. • after 10 h.
17	1001.0	1002.7	81.7	79.5	84	78	1.5	2.1	9.2	7.1	81	74	22	5	24	3	100 ⁰	9 ⁰⁰	10.9	—	Showery. Sunny intervals.
18	1005.4	1008.4	80.2	78.0	84	77	1.8	1.5	7.8	6.8	76	79	24	3	24	3	7 ⁰⁰	3 ⁰⁰	2.8	—	Showery. • on hills.
19	1010.8	1013.2	81.0	77.4	82	77	3.4	2.0	6.5	6.1	61	71	24	2	24	1	9 ⁰⁰	8	3.3	—	Fair generally. Showers a. •
20	1008.4	1007.8	78.8	82.3	83	76	0.3	0.4	8.8	11.2	97	94	20	2	20	3	100	100 ⁰ ≡	27.4	—	• all day. • 21 h.
21	1003.0	1005.0	84.3	81.9	88	81	2.0	1.1	10.2	9.8	76	86	20	5	20	3	8	8 ⁰⁰	2.3	—	Fine and sunny. Showers
22	1009.4	1012.5	83.6	81.2	86	80	0.8	0.4	11.5	10.2	91	94	20	3	20	3	100 ⁰	14 ⁰⁰	—	—	Showery, dull. • evening.
23	1012.8	1017.2	83.0	82.6	87	79	0.6	1.8	11.2	9.2	92	77	20	3	20	1	10	10	—	—	Sun and cloud. Fair.
24	1019.9	1020.6	83.0	85.2	87	79	1.1	0.6	10.5	13.2	86	92	20	2	20	1	100 ⁰	10	4.1	—	Dull and showery.
25	1017.6	1022.0	85.3	83.1	89	83	0.2	1.6	13.9	9.8	97	81	20	4	20	3	7	7	2.8	—	Showery morning. Fine later.
26	1024.0	1023.3	86.3	82.0	89	81	2.7	1.8	10.9	8.8	70	78	20	3	28	2	8	2	—	—	Fine, sunny.
27	1020.6	1017.2	84.4	82.9	91	79	2.7	1.7	9.5	9.5	70	79	Calm	0	4	1	6	1	1.3	—	Fine, sunny.
28	1011.1	1006.1	81.7	84.2	85	79	0.5	0.1	10.5	12.9	94	98	Calm	0	20	3	100 ⁰⁰	100 ⁰ ≡0	0.8	—	Dull. •
29	1009.1	1008.4	83.1	84.1	88	82	0.3	1.6	11.9	10.9	97	81	20	3	Calm	0	100 ⁰ ≡0	10	1.5	—	• early. Generally fair.
30	1001.3	994.2	87.4	88.1	89	83	1.0	2.5	14.2	12.6	88	74	Calm	0	20	4	100 ⁰	8 ⁰⁰	8.4	—	Sultry, dull. Showers evening.
31	1001.0	1007.4	82.9	81.9	89	82	1.6	1.8	9.8	8.8	80	77	20	4	20	4	100 ⁰	3	2.8	—	Fine and sunny. •
Mean	1010.5	1010.5	82.8	82.2	86.6	79.0	1.7	1.7	9.7	9.2	80	79	1.9	2.1	8.3	7.0	136.7	—	—	—	
Mean Barometer at Station Level.	1009.1	1009.1																			

DOUGLAS, ISLE OF MAN, a.—MAY 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.;
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

Long. 4 20 W. Time, Local mean time.																	
1	1011.5	1012.5	81.3	80.0	84	80	0.5	0.3	10.2	9.5	93	96	18	2	Calm	0	3
2	1012.8	1008.1	83.6	80.4	85	76	2.1	0.3	9.5	9.8	76	96	16	1	16	3	8
3	1002.0	999.3	79.7	79.1	82	79	0.0	0.5	9.8	8.8	100	92	16	3	26	2	100≡0
4	1002.3	1006.7	80.2	80.8	83	79	1.0	1.1	8.8	9.2	86	86	32	3	30	4	10
5	1007.4	1002.3	82.8	80.2	85	80	1.2	0.5	10.2	9.5	86	92	6	2	30	4	10
6	997.9	1000.3	80.2	77.9	81	77	0.1	0.6	9.8	7.8	98	92	10	3	22	2	100≡0
7	1000.6	999.6	81.2	81.0	83	76	1.7	0.0	8.5	10.9	79	100	12	4	12	3	8
8	996.2	999.3	81.9	81.4	82	81	0.9	1.2	9.8	9.2	88	85	10	6	14	2	10
9	1000.6	1002.7	82.5	80.7	84	80	0.7	1.4	10.9	8.5	91	82	10	3	10	1	8
10	1003.7	1007.1	83.0	81.5	84	80	1.4	0.7	10.2	9.8	83	90	12	3	12	2	6
11	1009.8	1013.8	82.6	81.3	85	80	1.0	0.3	10.5	10.5	88	95	16	2	8	1	9
12	1013.2	1017.2	83.0	83.8	86	81	0.8	0.8	10.9	11.5	90	90	10	4	8	3	10
13	1022.7	1024.7	84.7	83.3	89	82	1.8	0.5	10.9	11.9	79	94	4	2	30	3	10
14	1024.7	1026.7	82.4	80.9	86	81	0.5	0.0	10.9	9.8	93	93	30	2	4	5	10
15	1026.4	1024.7	81.7	80.3	85	79	2.0	1.7	8.5	7.8	75	77	6	5	2	1	4
16	1020.6	1013.2	82.4	83.0	88	76	1.6	0.7	9.5	11.2	79	91	12	1	26	1	0.00
17	1007.1	1008.1	85.0	80.8	86	80	1.5	1.6	11.5	8.5	81	80	24	6	24	4	8
18	1009.8	1013.2	79.1	79.7	83	79	0.5	2.2	8.8	7.1	92	72	28	6	28	5	4
19	1014.5	1016.2	80.8	78.6	84	77	2.2	1.6	7.8	7.1	73	79	26	4	28	1	7
20	1013.2	1013.2	83.6	82.2	85	78	1.2	0.3	10.9	11.2	86	96	22	4	18	5	10
21	1009.8	1009.4	82.4	80.2	85	80	0.1	0.1	11.5	9.8	99	98	20	6	24	1	100
22	1014.5	1015.5	83.4	82.4	85	80	1.0	0.0	11.2	11.9	89	100	24	5	18	3	8
23	1016.9	1019.6	83.8	84.1	87	82	0.9	0.0	11.5	13.2	90	100	24	3	22	1	100
24	1023.0	1024.3	86.3	84.1	89	84	0.5	0.3	14.2	12.6	93	95	24	4	20	1	10
25	1023.3	1025.0	83.0	83.0	86	82	0.0	0.0	12.2	12.2	100	100	20	2	22	1	100≡
26	1025.4	1022.7	83.6	84.1	89	81	0.6	2.9	11.9	8.8	93	68	12	2	32	3	8
27	1019.6	1017.9	87.1	83.0	89	81	4.1	0.7	9.5	11.2	59	92	26	3	26	1	8
28	1014.9	1010.8	83.0	83.1	84	81	0.0	0.0	12.2	12.2	100	100	22	3	20	4	100≡
29	1011.8	1008.1	84.3	85.0	86	83	0.4	0.0	12.6	13.9	95	100	20	1	10	1	10
30	1002.3	998.6	87.4	83.6	89	83	0.8	1.2	14.9	10.9	90	86	10	3	18	6	8≡
31	1006.4	1012.8	84.1	82.1	85	81	1.9	0.1	10.2	11.5	77	99	20	3	20	3	4
Mean	1011.8	1012.1	82.9	81.7	85.3	80.0	1.1	0.7	10.7	10.3	87	91	3.3	2.4	8.0	7.0	73.9
Mean Barometer at Station Level.	1001.3	1001.5															
+ Beaufort Scale (0—12).																	

† Beaufort Scale (0-12).

x denotes the highest and n the lowest of the values in the column.

SHREWSBURY, SHROPSHIRE.—MAY 1913.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H_b=

ARMAGH, a.—MAY 1913.

Heights above Mean Sea Level:—Station, $H = 59\cdot8$ m.; Barometer, $H_b = 61\cdot6$ m. Heights above Ground:—Therms., $h_t = 1\cdot2$ m.
Rain-gauge, $h_r = 0\cdot3$ m. Lat. $54^\circ 21'$ N. Long. $6^\circ 39'$ W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on (Grass.)	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.							
									9 h.	21 h.	9 h.	21 h.											
	millibar.		200 +	200 +	200 +	200 +																	
1	1010.1	1011.1	82.4	80.2	87	79	1.8	2.2	9.2	7.1	77	72	20	2	18	2	9	8	—	6.3	75	Fine.	
2	1011.5	1003.3	83.4	81.0	86	77	2.5	1.8	8.8	8.2	71	78	—	1	16	5	7	10	4.5	3.8	75	Fine.	
3	1000.0	1001.3	82.8	78.5	85	79	1.6	1.5	9.5	7.1	80	81	—	1	—	1	10	0.6	0.3	77	Overcast; some drizzle.		
4	1004.7	1008.8	82.0	79.7	85	75	1.8	1.5	8.8	7.8	78	79	30	2	—	0	7	7	—	3.3	71	Overcast from noon.	
5	1006.7	999.3	82.3	79.0	86	74	3.2	1.8	7.5	7.1	63	76	—	1	14	4	6	10.0	13.3	9.5	71	Fine till 19 h., then	
6	998.6	998.9	77.9	75.1	82	75	0.4	0.6	8.2	6.5	95	90	—	1	—	1	10.0	5	—	9.1	—	79	all n. and till 16 h.
7	997.2	996.6	81.9	79.9	84	75	2.7	0.7	7.8	9.2	68	92	12	4	12	3	3	8	—	10.7	5.2	72	Fine a. 13 h.-17 h.
8	989.8	995.9	81.1	78.2	82	78	0.6	1.1	9.8	9.5	93	84	8	5	14	5	10.0	0	—	14.7	—	75	Rainy and squally till 19 h.
9	997.9	999.3	83.6	80.8	85	78	3.4	0.8	8.2	9.5	63	90	12	4	14	5	9	0	—	4.0	3.2	75	Showery.
10	1001.0	1003.7	83.2	81.9	86	79	2.2	1.2	9.2	9.5	74	85	12	6	12	6	8	10	—	10.2	7.6	76	Fine.
11	1006.7	1010.1	84.8	82.3	88	82	1.6	1.6	11.2	9.5	81	80	14	5	12	4	3	0	3.8	6.4	80	Fine. 2 shower 13 h. 30	
12	1011.5	1017.6	84.1	82.8	85	80	2.3	1.2	9.5	10.2	73	86	8	4	4	2	10	4	0.5	—	79	Overcast; drizzle 15 h.	
13	1023.7	1026.4	85.6	80.5	87	81	1.6	0.6	11.9	9.5	80	92	—	1	—	0	10	0	2.5	0.4	80	Overcast; 15 h.-16 h.	
14	1026.7	1028.1	84.7	79.9	87	77	2.5	1.5	9.8	7.8	72	79	32	2	—	1	4	0	—	10.5	73	Fine.	
15	1027.1	1025.0	83.4	80.1	88	79	1.7	1.5	10.2	8.2	80	79	—	1	—	0	3	0	—	8.5	75	Fine.	
16	1019.9	1012.8	85.6	86.2	90	75	3.7	1.1	8.8	13.2	62	87	—	1	—	0	10	0	—	6.7	72	Fine. Overcast p.	
17	1008.7	1008.8	83.6	79.8	88	80	2.9	2.2	8.5	7.1	67	72	—	1	24	2	10	0	0.4	7.1	80	Fine.	
18	1011.8	1014.5	83.8	77.4	86	77	3.6	1.1	7.8	9.1	62	84	28	3	—	1	8	0	1.0	9.9	74	Fine. A few slight showers	
19	1014.9	1013.8	82.9	81.3	86	76	2.9	2.6	8.2	7.5	67	68	—	1	28	2	10	8	1.1	8.2	74	Fine.	
20	1010.8	1008.8	84.6	84.7	87	81	2.3	2.7	10.2	9.5	75	70	22	4	18	3	10	10	2.5	1.9	80	Fine.	
21	1005.4	1008.8	85.4	81.2	87	80	3.5	2.1	9.2	8.2	63	74	18	7	22	3	8	3	3.4	5.7	81	Showery.	
22	1013.8	1012.5	85.5	84.6	87	81	2.8	0.6	10.2	12.6	70	93	22	3	18	2	10	10	1.1	0.3	79	Showery.	
23	1017.2	1018.3	85.0	85.1	87	83	1.8	0.4	10.9	13.2	79	95	20	3	20	2	9	10	1.1	0.1	82	Overcast. Some drizzle p.	
24	1022.0	1021.6	88.0	88.4	94	84	1.5	2.0	14.2	13.9	84	79	20	3	18	2	10	10	—	3.2	84	Fine.	
25	1021.0	1024.3	87.4	83.6	92	84	1.6	1.5	13.2	10.5	81	82	20	4	—	0	10	5	—	8.7	84	Fine.	
26	1025.4	1023.7	87.2	82.3	91	78	2.9	2.1	11.2	8.8	70	74	—	1	—	1	7	8	—	—	11.8	74	Fine.
27	1020.3	1016.9	85.4	86.2	90	79	3.1	1.4	9.5	12.6	66	83	—	1	—	1	9	10	1.5	3.4	75	Cloudy. Occasional drizzle	
28	1011.5	1008.1	85.4	85.6	89	84	0.7	0.5	12.9	13.6	91	94	22	2	20	3	10.0	10	2.3	—	81	Showery till 13 h. Overcast	
29	1010.1	1005.0	85.7	84.7	89	83	2.7	0.2	10.2	13.2	71	98	—	1	14	2	10	10	16.0	1.1	85	Showery.	
30	998.6	990.1	86.5	83.4	90	84	0.6	1.0	14.2	11.2	92	89	14	5	14	7	10.0	10.0	2.2	4.1	84	6 h.-9 h.	
31	1004.4	1010.8	83.9	83.2	88	80	2.9	1.7	8.8	9.8	68	80	18	4	—	1	9	4	0.1	10.5	79	Fine.	
Mean	1010.6	1010.5	84.2	81.8	87.3	79.2	2.2	1.4	9.9	9.5	75	83	27	2.3			8.4	6.1	96.4	4.85	77.5		
Mean Barometer at Station Level.	1003.2	1003.0																					

DUBLIN (PHŒNIX PARK), a.—MAY 1913.

Heights above Mean Sea Level:—Station, $H = 47.3$ m.; Barometer, $H_b = 48.5$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $53^\circ 22'$ N. Long $6^\circ 21'$ W. Time, Dublin mean time.

1	1011.1	1012.5	82.7	80.3	87	75	2.1	0.7	9.2	9.2	74	90	22	2	—	1	7	10	—	4.8	71	Fine, but cloudy.	
2	1013.8	1006.1	83.0	81.3	87	77	1.8	2.0	9.5	8.2	78	75	22	3	18	5	10	8	3.4	1.6	72	Cloudy. ● ² from 23 h. 30 m.	
3	1001.3	1002.3	83.3	78.2	85	78	1.9	0.4	9.5	8.5	78	96	26	4	26	3	8	3	1.5	1.4	78	● ² till 3 h. 30 m. and 17 h. 30 m.	
4	1004.7	1008.8	82.3	80.2	86	75	2.6	1.5	8.2	8.2	69	79	26	5	—	1	6	3	—	7.4	72	Beautiful day.	
5	1008.1	1001.0	82.8	79.6	85	74	3.1	0.5	7.8	9.2	64	94	—	0	10	2	1	100	19.6	9.6	70	Beautiful day. ● ² from 18 h.	
6	998.9	1000.3	78.0	77.5	81	77	0.5	0.5	8.2	7.8	94	92	26	4	20	3	100	6	4.1	1.7	76	● ² till 13 h. Cloudy.	
7	997.2	997.6	83.1	77.0	84	73	2.5	0.7	8.8	7.5	71	90	12	5	12	2	8	1	11.0	4.5	71	● ² showers 13 h.-18 h. 30 m.	
8	988.4	995.9	81.7	80.0	85	75	0.7	1.8	10.2	7.8	90	77	10	8	14	3	100	5	14.6	2.8	72	● ² 4 h.-14 h.	
9	996.9	999.6	82.4	81.6	86	79	1.9	1.5	9.2	9.2	76	82	10	6	14	5	8	2	1.5	3.2	74	● ² showers a. and p.	
10	1000.6	1003.7	82.9	83.1	87	80	0.6	1.4	11.2	10.2	93	83	12	4	12	3	9	8	0.6	3.0	76	● ² at intervals p. and n.	
11	1007.4	1011.5	86.7	81.9	90	81	3.3	1.3	10.2	9.5	67	84	18	4	—	1	6	3	2.0	8.8	77	Beautiful day.	
12	1009.1	1015.2	82.2	82.9	86	81	0.4	0.3	11.2	11.9	95	97	8	4	—	1	100	10	9.1	—	77	● ² 9 h.-18 h.	
13	1022.7	1026.0	85.1	84.0	88	82	1.4	0.9	11.5	11.5	83	89	6	3	—	1	8	10	—	2.5	81	Fine, but cloudy.	
14	1026.4	1027.7	84.5	82.1	87	77	2.0	1.2	10.5	9.5	77	85	30	3	—	1	7	3	—	7.5	73	Fine; cloudy intervals.	
15	1027.4	1025.0	83.2	76.9	85	77	2.0	0.5	9.5	7.5	77	93	4	5	—	0	7	1	—	7.7	74	Cloudy a. Bright p.	
16	1021.3	1014.2	84.8	80.4	89	72	1.8	0.8	10.9	9.2	79	89	—	1	—	0	6	8	—	10.9	71	Beautiful day.	
17	1009.4	1010.8	84.1	80.0	87	79	2.3	1.6	9.8	7.8	74	79	26	4	24	3	7	2	—	7.2	74	Fine; cloudy intervals.	
18	1013.5	1015.5	83.9	78.7	86	77	3.8	1.1	7.8	7.8	60	87	26	5	24	2	5	—	12.7	74	Beautiful day.		
19	1016.6	1015.9	82.2	83.0	87	76	2.4	1.3	8.2	10.2	71	84	24	4	—	0	7	10	0.1	8.2	74	Fine. Drizzle 20 h.	
20	1014.2	1011.8	85.2	83.1	89	82	2.8	1.7	9.8	9.8	69	80	22	6	18	4	9	4	—	2.9	80	Fine, but cloudy.	
21	1008.1	1011.1	85.6	80.7	88	80	2.8	1.2	10.2	8.8	71	85	20	6	22	3	8	2	4.8	5.3	79	● ² at intervals a. and p.	
22	1015.9	1015.2	83.5	85.8	89	79	1.2	0.4	10.9	14.2	87	96	22	4	22	3	10	8	0.1	0.1	76	Dull.	
23	1018.9	1020.6	84.0	86.0	90	84	0.2	0.6	12.6	14.6	96	93	24	2	22	3	100	10	0.5	0.1	81	● ² 7 h. 30 m.-10 h. 15 m.	
24	1023.3	1023.3	90.1	85.9	92	85	2.5	0.7	14.6	12.9	75	91	22	3	18	2	10	5	—	1.5	84	Fine, but cloudy.	
25	1023.0	1025.0	88.9	89.1	91	84	2.3	2.3	13.6	13.9	77	77	22	4	26	2	5	8	—	4.0	80	Fine, but cloudy.	
26	1025.7	1023.7	86.9	81.5	89	79	2.3	0.9	11.9	9.8	75	88	2	3	—	1	7	2	—	10.0	77	Beautiful day.	
27	1021.0	1017.9	87.3	82.3	89	77	3.4	0.6	10.5	10.9	65	91	4	2	—	1	7	2	—	7.4	75	Fine; cloudy midday.	
28	1013.2	1009.8	82.2	86.3	90	82	1.7	1.0	13.2	13.2	81	88	18	4	20	3	10	10	—	—	79	Overcast.	
29	1010.8	1005.4	85.2	86.8	87	84	1.2	0.6	12.2	14.6	87	94	—	0	12	2	10	10	2.9	—	82	● ² 10 h.-15 h. and 18 h.-20 h.	
30	998.9	992.5	87.7	84.7	90	82	2.5	1.2	12.2	11.5	73	85	12	2	18	7	10	5	0.3	2.0	79	● ² at intervals p.	
31	1005.7	1012.8	84.8	81.9	89	80	3.0	1.0	9.2	9.8	67	87	18	5	—	1	6	8	11.0	—	77	Beautiful day.	
Mean	1011.4	1011.6	84.3	82.0	87.4	78.9	2.0	1.0	10.4	10.1	77	87	37	2.2	7.6	5.9	76.1	4.84	76.0				
Mean Barometer at Station Level.	1005.5	1005.5																					

* Metres per second.

z denotes the highest and a the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON.
1 JULY 1913.

* Metres per second.
 x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON
July 28th, 1913.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNESS, ORKNEY, a.b.—JUNE 1913.

Heights above Mean Sea Level:—Station, $H = 48.8$ m.; Barometer, $H_b = 49.7$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $58^\circ 56'$ N. Long. $2^\circ 45'$ W. Time, Greenwich mean time.

		Rain-gauge, $h_r = 0.3$ m. Lat. 58 56 N. Long. 2 46 W.																						
Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S, 24=W, 0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.						
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200 +	200 +	200 +	200 +	millibar.						%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +				
1	1009.1	1014.9	82.2	82.3	85	81	1.0	0.3	10.2	11.2	88	96	24	7	16	2	10	9	2.4	1.2	—	Drizzle a. • from 21 h.		
2	1009.1	1014.9	82.2	82.3	85	81	1.2	0.8	11.5	10.9	85	90	15	10	16	12	6	10	1.5	6.0	—	Bright and breezy a. • from [19 h.		
3	1006.1	1003.0	84.6	83.0	86	81	1.2	1.7	11.5	10.2	85	80	20	11	20	2	7	7	—	7.8	—	Fine and bright.		
4	1006.1	1014.9	84.6	83.5	87	81	1.9	0.5	11.5	12.2	77	93	16	4	10	5	9	4	4.1	8.7	—	Very fine.		
5	1015.9	1012.5	85.7	83.9	87	81	0.0	0.2	12.6	11.9	100	97	14	8	12	3	10	8	—	0.8	—	≡ ² n. and a. T a.		
6	1006.4	1004.7	83.2	83.0	85	83	0.2	0.4	14.6	12.2	97	94	25	3	26	2	10	10	7.9	4.2	—	≡ ⁰ a. Drizzle p.		
7	1003.3	1003.0	86.1	84.0	88	82	2.6	1.8	9.5	9.2	70	78	22	9	20	11	1	9	3.9	4.4	—	• till 8 h. • ² at times p.		
8	991.5	991.5	84.3	82.2	87	81	2.5	0.5	9.2	9.8	71	93	22	9	25	6	10	3	5.6	3.5	—	• showers a.		
9	993.9	995.2	83.5	81.1	86	81	1.4	1.7	9.8	8.8	82	79	24	11	—	1	10	9	19.3	4.5	—	• showers. Red sunset.		
10	1000.3	995.2	82.6	81.7	86	81	0.4	1.0	8.8	9.5	93	88	26	14	28	10	10	8	5.6	2.6	—	• ² from 5 h.		
11	984.4	998.9	79.2	81.1	84	79	2.5	1.0	7.5	9.2	69	87	27	11	24	8	5	9	1.0	4.0	—	Dull, cold, and breezy.		
12	1006.4	1005.4	81.5	81.0	84	79	1.0	2.1	9.2	6.8	87	73	28	8	32	4	5	4	—	12.2	—	Bright and breezy.		
13	1011.5	1017.2	80.6	78.9	83	79	2.6	1.9	8.2	8.2	70	77	—	1	13	7	2	2	—	14.0	—	Fine and bright all day.		
14	1023.0	1025.0	82.6	81.0	84	79	1.1	1.1	10.9	11.9	87	87	16	7	11	2	10	6	—	8.2	—	≡ ⁰ ∞ a. Very fine.		
15	1022.7	1023.7	83.4	84.5	89	81	1.1	0.4	13.2	11.9	87	95	14	3	—	1	1	8	—	14.6	—	Very fine. ≡ ⁰ after 20 h.		
16	1023.7	1021.3	86.1	83.4	88	81	0.8	0.5	12.6	12.2	90	93	14	4	30	3	10	2	—	9.0	—	∞ a. Very fine.		
17	1020.6	1021.3	84.9	83.9	88	81	0.0	0.3	12.2	11.9	100	96	7	3	8	4	1	9	—	9.5	—	≡ ² till noon. Red sunset.		
18	1020.3	1018.3	82.8	83.1	87	81	0.0	0.6	13.2	11.5	87	93	10	6	8	5	10	2	—	9.0	—	∞ a. Fine all day.		
19	1016.2	1014.2	86.1	83.4	88	83	0.0	0.1	11.9	11.5	100	99	6	6	32	5	10	2	—	4.3	—	≡ ² till 11 h.		
20	1012.8	1015.5	82.6	82.2	86	82	0.0	0.1	11.9	11.5	100	99	32	3	8	2	8	9	—	4.9	—	≡ ² from 15 h.		
21	1018.6	1018.9	83.4	84.1	86	81	1.2	0.0	10.9	13.2	86	100	—	—	—	—	—	—	—	—	—	≡ ² till 2 h. Fine all day.		
22	1018.9	1018.6	83.5	82.8	86	81	0.7	0.2	11.5	11.9	92	99	13	8	12	5	2	3	—	8.4	—	Very fine a.		
23	1017.6	1018.3	86.7	83.5	90	83	0.6	0.3	14.6	12.2	93	97	14	2	29	4	10	2	—	5.4	—	• 5 h.-8 h., then ≡ ² till 20 h.		
24	1015.2	1011.1	83.4	83.9	86	82	0.0	0.5	12.6	12.2	100	93	8	4	11	5	10	2	—	—	—	≡ ² 5 h.-11 h. and after 17 h.		
25	1011.5	1014.2	82.9	84.3	87	81	0.1	0.2	11.9	12.9	98	98	—	1	30	3	10	2	—	4.2	—	≡ ² in past n.		
26	1018.3	1020.6	82.9	82.4	88	82	1.4	2.3	10.2	8.5	84	73	32	5	32	4	10	10	—	1.1	—	Fine.		
27	1019.6	1017.9	83.4	82.1	85	81	3.0	1.5	8.5	9.2	67	81	—	1	—	0	10	10	—	—	—	A few showers a.		
28	1019.6	1023.3	82.1	82.3	86	81	0.7	0.6	10.5	10.9	92	92	—	1	30	2	10	10	—	—	—	• 4 h.-13 h.		
29	1018.6	1018.9	82.8	83.8	86	82	0.1	0.4	11.9	11.9	99	96	16	5	24	10	10	10	—	1.0	—	Dull.		
30	1024.0	1027.7	84.9	82.4	86	83	1.1	0.6	11.9	11.2	87	92	28	9	27	5	10	10	—	—	—	Fair and mild.		
	1028.1	1029.1	84.9	83.4	87	83	1.7	0.8	11.2	11.5	80	92	29	4	30	2	9	10	—	—	—			
Mean	1012.9	1013.8	83.6	82.7	86.5	81.3	1.1	0.8	11.1	10.9	87	90	—	5.9	4.5	—	7.8	7.6	68.4	5.08	—			
Mean Barometrical position level.	1006.9	1007.8																						

ABERDEEN 22—JUNE 1913.

ABERDEEN, a.e.—JUNE 1913.

Heights above Mean Sea Level:—Station, $H = 14.0$ m.; Barometer, $H_b = 26.8$ m. Heights above Ground:—Therms., $h_t = 12.5$ m.
Rain-gauge, $h_r = 0.6$ m. Lat. $57^\circ 10' N$. Long. $2^\circ 6' W$. Time, Greenwich mean time.

Rain-gauge, $n_r = 0.6$ in.																															
	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	Mean
	1012'1	1016-6	87'4	85'7	91	82	4'9	3'9	8'8	8'8	53	61	20	6	22	2	4	1	—	12'6	—	Fine and bright.									
	1013'8	1007'8	85'9	84'8	89	82	3'8	1'8	9'2	10'9	61	79	14	4	18	6	1	10	2'	8'8	—	Bright <i>a.</i> to cloudy. ° n.									
	1010'5	1016'9	84'7	86'2	91	82	4'5	3'8	9'2	57	62	10	2	6	20	3	7	0	12'1	—	Cloudy to fine.										
	1017'6	1013'8	88'0	84'7	90	81	3'6	1'0	10'9	11'9	84	87	16	4	14	2	0∞	10	10'6	—	Fine <i>a.</i> Cloudy p.										
	1007'8	1005'4	85'8	85'8	87	83	0'8	1'5	13'2	12'2	91	83	14	3	16	2	10≡ ⁰	9	—	3'2	—	° early, then ≡'. ± a.									
	1005'0	1004'0	84'7	85'8	87	83	0'8	1'0	12'2	12'9	90	88	—	1	16	2	10≡ ⁰	9	1'5	0'8	—	= ¹ <i>a.</i> [7] ° 15 h.-16 h.									
	995'2	998'6	86'8	85'9	89	82	5'2	3'5	8'8	7'8	63	60	18	4	22	6	4	8	—	6'0	—	Fair to cloudy; squally.									
	1000'3	999'6	85'2	83'9	89	81	3'5	3'8	9'2	9'8	63	73	20	5	18	4	10	10	—	2'6	—	Cloudy.									
	1005'4	997'9	85'4	84'3	89	82	3'5	2'3	7'5	8'5	60	70	26	11	26	6	3	3	—	9'8	—	Squally; ° showers, —.									
	989'1	1001'3	83'5	82'2	87	81	3'7	2'6	9'2	8'5	60	70	26	11	26	6	3	3	—	9'8	—										
	1009'8	1008'8	82'8	82'5	87	80	3'7	2'7	7'1	8'2	59	68	26	8	24	3	6	6	0'3	5'6	—	Fair to cloudy; ° shower.									
	1013'5	1017'2	85'2	80'8	86	80	4'2	1'0	8'2	9'2	56	75	26	7	12	5	10	9'7	—	9'7	—	Frequent ° showers.									
	1024'0	1027'7	82'4	81'2	n 85	n 79	2'9	2'0	7'8	8'2	66	87	8	4	16	3	1	0	—	15'6	—	Fine and bright.									
	1026'4	1024'3	82'8	87'1	90	80	1'1	1'9	10'2	12'6	86	79	16	3	—	1	10	0∞	—	8'2	—	Dull to bright <i>a.</i> Fair p.									
	1024'7	1023'3	91'1	85'8	92	82	3'9	3'3	13'2	9'5	63	66	16	4	16	4	3	5	—	14'5	—	Fine and bright.									
	1022'0	1021'6	84'0	85'4	92	83	0'9	1'7	11'5	11'2	88	79	16	3	—	1	?	4≡ ⁰	1∞	—	9'2	—	Fair <i>a.</i> Clear p.								
	1020'3	1017'6	86'5	84'5	88	81	1'7	0'8	12'2	11'9	80	89	8	2	—	1	1	3	—	5'3	—	Bright to dull.									
	1015'5	1013'8	85'0	85'2	89	81	0'8	0'8	12'6	12'6	90	90	—	1	—	1	10≡ ⁰	9	—	5'2	—	= ¹ <i>a.</i> °.									
	1011'1	1013'8	85'8	84'4	87	83	1'2	0'9	12'6	11'5	86	88	6	2	28	5	10	10	1'3	0'5	—	° <i>a.</i> = ° <i>b.</i> p.									
	1017'9	1019'6	84'9	83'5	88	83	1'7	0'3	11'2	12'2	80	96	30	5	—	1	10	10	—	0'1	—	° <i>a.</i> Dull. = ² after 19 h.									
	1019'9	1019'9	85'2	85'2	89	83	1'5	1'4	11'5	11'5	81	83	14	3	14	2	10	6≡	—	4'1	—	= ¹ <i>a.</i> Clear p.									
	1018'6	1018'6	90'2	84'7	92	82	2'8	0'8	13'9	12'2	72	90	14	3	4	2	2	9	0'5	6'0	—	Fair <i>a.</i> Cloudy p. ° 15 h.									
	1014'5	1011'1	84'1	84'5	89	83	0'4	1'0	12'6	11'9	94	88	—	1	16	2	10≡ ⁰	5	—	0'7	—	= ¹ <i>a.</i> and after 22 h.									
	1011'1	1013'8	85'3	84'8	90	83	1'1	1'2	12'2	11'9	86	85	6	2	28	5	9	1	0'8	4'3	—	= ¹ early. ° <i>a.</i> and p.									
	1018'3	1021'3	85'4	84'1	87	83	1'6	1'7	11'5	10'5	80	79	32	3	30	2	10	10	0'3	—	—	Dull throughout; drizzle.									
	1020'3	1018'3	86'0	84'2	86	83	0'9	1'1	10'9	11'5	88	86	—	—	1	10	9	10	1'8	—	—	° <i>a.</i> and 18 h.-20 h. = ⁰ p.									
	1021'0	1024'3	83'3	85'9	89	83	3'8	3'1	9'5	9'8	61	68	28	8	—	1	4	10	4'1	12'0	—	Fine, but squally.									
	1021'0	1021'0	84'6	87'0	x 93	83	0'7	3'4	12'2	10'2	91	65	—	1	26	9	10	9	—	3'4	—	° <i>a.</i> Fair, but squally p.									
	1025'4	1029'4	86'0	85'2	x 88	x 84	2'6	1'8	10'5	11'2	71	79	26	9	32	2	9	9	—	3'4	—	Cloudy and squally.									
	1029'4	1030'4	85'1	84'3	87	x 84	1'4	1'4	11'5	11'2	83	83	—	1	—	1	9	10	—	6'0	—	Cloudy to fair.									
	1014'7	1015'3	85'6	84'6	88'8	82'1	2'4	1'9	10'7	10'6	74	78	4'1	—	3'1	—	6'4	6'2	34'7	6'44	—										

Corresponding Average Values are referred to thus:—a. Appendix III., "Weekly Weather Report," 1906; 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., 1880-1890; e. "Hourly Readings," 1905-1910. * Metres per second.

FORT WILLIAM, INVERNESS-SHIRE, a.—JUNE 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.	9 h.	21 h.	9 h.					21 h.				
							9 h.	21 h.	9 h.	21 h.										9 h.	21 h.		
	millibar.		200+	200+	200+	200+																	
1	1012.5	1015.9	82.8	82.5	86	81	0.5	1.3	11.2	9.8	94	83	20	4	Calm	0	100≡0	9	3.3	—	—	Dull and showery.	
2	1009.4	1005.0	86.4	81.7	89	80	2.9	0.4	10.5	10.5	69	95	20	3	20	2	100≡0	10	22.9	—	—	Dull, sunless: ☉ after noon.	
3	1011.1	1015.9	83.3	84.5	88	81	0.9	2.0	11.2	10.5	89	77	20	3	20	2	100≡0	10	0.5	—	—	Dull, then fair to fine.	
4	1015.5	1010.5	88.0	88.0	95	82	3.3	2.3	11.2	12.9	66	75	Calm	0	Calm	0	2	6.00	9.9	—	—	Very fine. Cloudy evening.	
5	1005.7	1004.0	89.3	86.5	93	85	1.4	1.3	15.6	13.2	85	85	20	2	Calm	0	5	10.00	0.8	—	—	Sultry. Sunny. ☉ evening.	
6	1005.7	1004.4	84.9	81.3	87	81	0.3	1.3	13.2	9.2	96	83	20	2	20	2	100≡0	6	11.2	—	—	Generally fair. Occasional ☉.	
7	995.9	1001.3	81.8	82.5	84	80	0.9	2.3	9.8	8.5	88	72	20	5	20	5	100≡0	9	17.8	—	—	Boisterous with heavy showers.	
8	1001.0	1004.7	80.9	80.8	82	80	0.5	1.1	9.8	9.2	94	86	20	4	20	5	100≡0	10	31.5	—	—	Incessant ☉, low ☉.	
9	1005.7	993.9	82.4	82.4	83	80	0.5	0.5	10.9	10.9	93	94	20	4	20	4	100	10	46.2	—	—	Incessant ☉, low ☉.	
10	995.6	1005.0	81.3	82.4	86	78	1.7	2.6	8.5	8.2	78	68	20	4	24	3	8	6	4.6	—	—	Sun and shower.	
11	1011.1	1011.1	85.2	80.9	88	80	3.3	0.9	9.2	9.5	64	89	24	2	20	1	9	10	5.3	—	—	Sun and shower. [showers slight]	
12	1015.9	1017.9	85.1	81.9	87	79	2.8	1.1	9.8	9.8	69	86	20	2	20	1	7	10	0.3	—	—	Dull and cloudy.	
13	1021.3	1023.3	86.9	86.3	90	77	3.3	3.5	10.2	9.8	65	64	Calm	0	12	3	5	10	—	—	—	Fine and sunny.	
14	1024.3	1025.4	84.1	86.3	91	84	0.6	1.1	12.2	13.2	92	87	20	3	20	1	100≡0	10	—	—	—	☉, ☉ a. Fine afternoon.	
15	1023.7	1020.6	91.8	88.0	96	81	3.3	1.7	14.6	13.9	69	82	20	3	Calm	0	7.00	4.00	—	—	—	Very fine. Bright sun.	
16	1020.6	1018.9	91.3	89.2	97	85	2.7	2.3	15.3	13.9	73	76	20	2	Calm	0	4.00	2.00	—	—	—	Very fine. Bright sun.	
17	1016.9	1014.5	89.9	90.7	96	86	3.2	2.9	13.2	14.2	70	71	4	1	Calm	0	8.00	9.00	—	—	—	Dull, sultry. ☉ at night.	
18	1013.8	1011.8	89.0	87.2	92	86	2.1	1.4	13.9	13.6	78	84	Calm	0	Calm	0	10.00	10.00	—	—	—	Dull, sultry. ☉	
19	1010.8	1014.5	87.5	84.7	90	84	1.6	1.2	13.2	11.9	81	85	20	1	8	2	10.00	8	3.3	—	—	Dull. Showers in afternoon.	
20	1017.2	1017.6	89.1	84.4	96	82	3.3	0.7	12.2	12.2	67	90	4	3	20	3	7	1.00	—	—	—	Very fine. Bright sun.	
21	1016.9	1017.2	86.7	87.3	90	83	1.1	1.2	13.6	13.9	87	87	Calm	0	Calm	0	100≡0	10.00	1.3	—	—	☉, ☉, a. Fine afternoon.	
22	1019.3	1018.3	84.0	84.8	90	83	0.4	1.0	12.2	11.9	94	87	20	1	Calm	0	100≡0	10	0.3	—	—	Fair to fine.	
23	1012.1	1009.4	85.7	84.7	90	83	1.6	0.6	11.9	12.6	81	92	Calm	0	Calm	0	10	3	1.3	—	—	Dull. Showers in afternoon.	
24	1011.8	1015.2	88.9	86.2	92	82	2.4	2.1	13.6	11.5	76	76	20	1	24	3	9.00	10	0.3	—	—	Fair to fine.	
25	1018.9	1021.0	87.4	86.3	90	85	2.2	1.8	12.6	12.2	76	80	Calm	0	Calm	0	10.00	10.00	0.3	—	—	Dull, cloudy, fair.	
26	1020.3	1019.3	84.5	83.0	87	83	1.0	0.5	11.9	11.5	88	94	20	2	Calm	0	10	10.00	—	—	—	Dull. Showers, ☉.	
27	1023.7	1025.7	87.3	82.7	89	81	2.8	0.8	11.2	10.9	70	89	20	1	20	1	6	100≡	10.2	—	—	Fine at first. ☉ at night.	
28	1022.7	1026.4	86.4	84.9	92	81	0.2	1.9	14.9	10.9	98	78	28	4	24	4	10≡0	7	—	—	—	Fair to fine.	
29	1027.7	1028.7	88.0	86.7	94	84	3.3	1.9	11.2	12.2	66	78	28	3	Calm	0	2	8.	—	—	—	Very fine. Bright sun.	
30	1028.4	1028.4	88.0	87.4	94	84	2.1	1.7	13.2	13.2	77	81	Calm	0	Calm	0	4	0	—	—	—	Very fine. Bright sun.	
Mean	1014.5	1014.9	86.3	84.9	90.1	82.1	1.9	1.5	12.1	11.5	80	83	2.0	1.4	8.1	7.9	171.3	—	—	—	—	—	
Mean Barometer at Station Level.	1013.1	1013.4																					

DOUGLAS, ISLE OF MAN, a.—JUNE 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

1	1016.9	1018.6	84.3	82.2	86	80	1.9	0.9	10.5	10.2	78	89	22	3	14	1	6	3d	—	12.8	79	☉ a. and p. Very fine.
2	1015.5	1010.5	84.1	83.0	87	82	0.5	0.0	12.2	12.2	93	100	14	4	20	3	8	10	10.6	8.1	80	☉ a. Squally. ☉ 18 h. 21 h.
3	1015.9	1018.6	84.1	82.2	86	80	1.1	0.6	11.5	10.9	86	93	22	3	10	1	8	10	—	14.0	79	☉ a. Squally. ☉ 18 h. 21 h.
4	1015.5	1011.1	88.6	86.2	92	81	2.2	0.5	13.6	14.2	77	95	12	1	24	2	0.00	100	1.0	10.3	79	Very fine.
5	1007.8	1004.7	84.7	83.5	87	84	0.3	0.0	13.2	12.6	97	100	10	3	16	2	10.00	100	1.0	10.3	79	Very fine till 15 h. ☉ after 15 h.
6	1008.1	1008.4	85.2	83.0	86	83	0.7	0.3	12.9	11.9	91	97	28	5	20	5	8	10	10.0	4.0	83	☉ early a. Squally. ☉ 18 h. 21 h.
7	1006.1	1010.5	84.2	83.2	87	82	2.1	1.9	9.8	9.5	75	78	24	6	22	6	3	10	5.2	3.6	83	☉ till 8h. Squally. ☉ 18 h. 21 h.
8	1008.8	1014.5	82.4	82.4	86	82	0.6	1.5	10.9	9.5	92	80	24	3	24	6	10	10	3.8	13.1	82	☉ early a. Squally. ☉ 18 h. 21 h.
9	1014.9	1003.7	81.9	82.5	84	81	0.1	0.1	11.2	11.9	99	99	22	6	20	7	10.0	10	4.2	8.6	80	☉ early a. Squally. ☉ 18 h. 21 h.
10	1002.7	1009.4	84.4	83.1	87	82	3.1	2.0	8.8	9.2	66	76	24	7	24	5	6	10	15.5	—	80	Overcast and squally, with some rain. ☉ 18 h. 21 h.
																		3	—	9.5	81	Squally. ☉ 18 h. 21 h.
11	1015.2	1014.9	84.2	80.4	86	80	1.8	0.2	10.5	10.2	79	98	24	4	26	1	8	10	2.9	3.6	80	Cloudy and squally. ☉ 16h. 21h.
12	1018.9	1018.6	84.0	82.4	86	79	2.2	1.3	9.8	9.8	75	83	26	1	24	1	6	100	5.8	10.6	77	Very fine till 14 h. ☉ before 13 h.
13	1020.6	1025.0	81.8	85.2	87	80	0.0	1.1	11.2	12.2	100	86	10	3	8	2	10.00	10	1.0	3.5	80	☉ before 13 h. ☉ p.
14	1026.7	1026.7	85.4	83.0	90	83	0.6	0.7	13.2	11.2	92	91	18	2	12	1	10	10	1.0	10.1	82	Very fine after 10 h. ☉ p.
15	1024.3	1022.0	88.0	88.1	92	82	1.7	2.9	13.9	11.9	82	70	12	2	Calm	0	0.00	8	—	11.9	81	Very fine till 17 h. ☉ p.
16	1021.0	1017.2	90.0	91.3	95	85	4.1	4.1	11.9	12.9	61	61	10	2	4	1	0.00	7	—	12.7	84	☉ a. Very fine.
17	1015.5	1016.2	88.6	85.8	92	86	2.2	1.1	13.6	12.9	77	87	10	3	22	1	10.00	10	—	3.9	86	☉ showers.
18	1015.9	1014.2	84.1	84.2	87	83	0.1	0.2	12.9	12.9	98	98	16	3	20	3	10	10	2.8	5.0	84	☉ till 9 h. Cloudy.
19	1014.2	1014.9	83.1	83.0	85	82	0.4	0.0	11.9	12.2	96	100	24	6	26	6	10.00	100	12.8	—	82	Overcast, wet, and squally.
20	1017.6	1019.3	86.0	85.0	89	82	1.1	0.5	12.9	12.9	87	93	12	2	6	2	8	10	3.5	—	82	☉ early a. Overcast after 15 h.
21	1018.9	1019.9	86.6	84.1	89	84	0.9	0.4	13.9	12.6	89	94	14	1	14	1	10	2d	0.7	7.3	84	Very fine; cloudy intervals.
22	1020.6	1019.6	85.0	83.9	89	84	0.7	0.9	12.9	11.5	91	99	30	2	20	1	100	7d	1.2	3.2	82	☉ before 9 h. Cloudy.
23	1012.5	1009.1	83.1	84.1	87	83	0.1	0.5	12.2	12.2	99	93	12	3	22	2	100	8	6.0	3.4	81	☉ before 11 h. and after 15 h. ☉ 15 h.
24	1013.2	1017.2	83.9	83.8	87	83	0.5	1.0	12.2	11.5	93	89	24	4	28	5	100	7	0.7	2.0	82	☉ before 11 h. and after 15 h. ☉ 15 h.
25	1019.9	1023.3	85.2	84.1	87	83	1.4	0.6	11.5	12.2	82	92	26	5	28	3	6	8	—	8.5	82	☉ before 11 h. and after 15 h. ☉ 15 h.
26	1023.0	1022.0	87.3	83.5	89	83	2.9	1.5	11.2	10.5	70	82	24	2	28	6	10.00	10	—	1.0	82	Squally.
27	1026.0	1029.1	84.1	84.0	89	82	1.5	1.7	10.9	10.5	82	80	26	6	26	2	8	10	—	5.1	81	Dull and cloudy. ☉ early and 16 h.
28	1027.7	1030.1	87.2	85.8	90	84	0.9	0.6	14.6	13.6	90	93	24	4	28	4	10	8	—	0.5	83	Squally. ☉ early and 16 h.
29	1029.8	1029.4	85.2	85.2	91	85	0.5	1.1	13.2	12.2	93	86	26	3	30	2	100	7	—	6.9	82	Dull and squally.
30	1029.1	1028.7	87.1	86.5	90	83	1.5	0.9	13.2	13.9	83	89	12	2	26	1	4	0d	—	13.2	81	Very fine after 14 h. ☉ after 15 h.
Mean	1017.4	1017.6	85.1	84.2	88.3	82.5	1.3	1.0	12.1	11.7	86	89	3.4	2.8	7.6	7.3	75.2	6.66	81.5			
Mean Barometer at Station Level.	1006.9	1007.0																				

☉ denotes the high or low state of the moon.

† Beaufort Scale (0—12).

† Beaufort Scale (0-12).

x denotes the highest and n the lowest of the values in the column.

SHREWSBURY, SHROPSHIRE.—JUNE 1913.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H_b=64.7 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.

Day.

ARMAGH, a.—JUNE 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, $H_b=61.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $54^\circ 21' N$. Long. $6^\circ 39' W$. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.	9 h.				21 h.			
	millibar.		200 +	200 +	200 +	200 +			millibar.		%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +					
1	1015.9	1015.2	84.2	84.5	89	79	2.7	1.9	9.2	10.5	70	78	20	2	14	2	9	8	10.4	77	Fine.			
2	1009.1	1008.4	86.8	82.4	88	81	3.2	0.8	10.5	10.5	66	91	16	6	20	2	10	0	6.6	0.7	80	Overcast and showery.		
3	1014.5	1015.5	84.5	84.1	89	80	2.0	1.6	10.5	10.9	77	82	20	2	14	3	10	0	—	1.7	77	Very fine.		
4	1013.5	1008.8	88.0	86.2	91	82	3.0	1.9	11.5	11.9	69	79	14	3	16	3	0	10	—	10.5	78	Very fine.		
5	1004.4	1003.0	87.3	84.6	89	84	2.1	0.5	12.6	12.6	77	93	16	4	—	0	10	10	1.5	2.1	82	Fine; one slight shower.		
6	1011.1	1003.7	82.8	83.4	88	82	0.8	0.6	10.9	11.9	89	93	—	1	18	4	10	10	3.3	4.5	83	Showery 19 h.-21 h.		
7	1004.4	1008.8	82.8	82.5	87	79	1.8	2.3	9.5	8.5	78	72	22	5	20	4	10	10	1.3	8.4	79	Fine.		
8	1008.4	1015.9	84.1	81.2	86	80	2.3	1.6	9.8	8.5	74	80	22	2	22	2	10	7	1.3	9.7	80	Occasional slight showers.		
9	1011.8	998.9	82.5	84.3	86	80	0.5	0.5	10.9	12.6	93	93	20	4	20	7	10	10	6.9	—	78	Overcast and wet.		
10	1004.4	1011.1	84.1	82.0	89	80	2.8	1.6	9.2	9.2	69	80	26	3	—	1	5	10	0.4	8.5	79	Fine.		
11	1015.5	1015.5	84.1	80.0	84	80	1.8	0.8	10.5	8.8	80	90	22	3	—	1	10	2	4.6	1.5	80	Mostly overcast.		
12	1018.9	1016.9	85.4	81.2	88	81	3.2	0.2	9.5	10.5	66	97	—	1	14	2	8	10	7.5	6.4	74	Fine till 18 h. 30 m., then		
13	1019.9	1023.7	84.2	85.1	87	81	0.4	1.0	12.6	12.2	94	88	—	1	14	3	10	10	0.5	—	81	Overcast.		
14	1025.7	1025.0	86.3	86.7	92	82	1.4	1.1	12.9	13.6	84	87	20	2	—	1	10	2	—	3.1	82	Fine and warm.		
15	1022.7	1020.6	91.2	87.9	92	81	3.1	2.5	14.2	12.6	70	73	—	1	14	2	8	8	—	7.9	77	Very fine.		
16	1019.9	1017.2	93.1	88.9	96	83	4.3	1.6	14.2	14.9	62	83	—	1	—	0	7	10	—	11.4	79	Very fine.		
17	1013.2	1013.8	91.4	88.4	95	84	2.6	1.6	15.6	14.2	74	83	6	2	—	1	5	0	—	10.6	79	Very fine.		
18	1013.5	1011.8	89.7	85.2	94	85	2.2	0.1	14.6	13.9	78	100	—	0	—	1	7	10	47.1	5.4	82	Fine till 19 h., then		
19	1015.2	1017.2	83.9	82.4	86	82	0.4	0.2	12.2	11.5	95	97	—	1	—	1	10	10	10.9	—	82	Most of day.		
20	1018.9	1018.6	85.8	86.0	90	82	0.9	0.8	12.9	13.6	89	90	—	1	—	0	10	10	—	1.1	82	Overcast most of day.		
21	1016.2	1017.6	89.3	84.8	93	83	3.0	0.1	12.9	13.6	70	99	—	1	—	1	10	10	4.2	3.8	83	Fine till 18 h., then		
22	1019.9	1016.6	87.0	85.8	89	81	2.9	1.7	11.2	11.9	69	81	—	1	18	2	10	10	1.0	0.7	79	Overcast.		
23	1007.1	1009.4	88.0	84.6	89	83	3.3	0.6	11.2	12.6	66	92	14	3	22	2	9	10	3.4	3.0	83	Showery.		
24	1014.2	1018.6	85.3	84.1	87	83	1.1	1.1	12.2	11.5	86	87	—	1	—	1	10	9	—	0.3	82	Mostly overcast.		
25	1022.0	1023.7	85.8	84.4	89	82	2.1	1.3	11.2	11.2	76	84	—	1	—	0	9	10	—	0.3	77	Mostly overcast.		
26	1022.0	1024.0	85.9	83.2	89	79	1.6	1.3	12.2	10.5	82	84	22	2	—	1	10	9	0.9	1.6	76	Mostly overcast.		
27	1027.1	1028.1	87.3	86.2	90	81	3.0	1.6	11.2	12.6	69	81	—	1	24	2	8	10	—	3.1	79	Fine a. Overcast p.		
28	1028.7	1031.1	87.8	86.8	90	86	1.7	1.2	13.6	13.6	81	86	24	2	—	1	10	10	—	—	85	Overcast.		
29	1030.1	1029.8	89.5	86.1	95	82	3.2	0.9	12.9	13.6	68	89	—	1	—	1	0	8	—	13.0	79	Very fine.		
30	1028.7	1029.1	90.9	85.2	96	81	2.9	1.1	14.6	12.2	71	87	—	1	4	2	0	0	—	13.8	79	Very fine.		
Mean	1016.6	1016.6	86.6	84.6	89.8	81.5	2.2	1.1	11.9	11.8	76	87	2.0	1.8	8.2	7.8	101.4	4.78	79.8					
Mean Barometer at Station Level.	1009.2	1009.1																						

DUBLIN (PHOENIX PARK), a.—JUNE 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, $H_b=48.5$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $53^\circ 22' N$. Long. $6^\circ 21' W$. Time, Dublin mean time.

1	1017.6	1017.2	86.1	82.8	91	77	3.0	1.6	10.2	9.8	68	82	22	3	20	2	6	2	—	12.2	74	Beautiful day.
2	1016.5	1010.5	87.3	83.1	90	81	3.1	0.6	11.2	11.5	68	93	18	5	20	2	7	3	2.3	1.6	77	at intervals 13 h.-17 h.
3	1012.2	1016.9	85.1	84.3	91	79	2.0	1.0	10.9	11.5	77	88	20	3	—	1	10	1	—	6.3	75	Fine, but cloudy.
4	1004.7	1009.4	87.6	86.2	91	76	2.4	1.1	12.2	13.2	74	86	10	2	8	2	1	5	0.3	7.2	74	Cloudy intervals.
5	1014.2	1004.4	86.0	83.7	88	79	0.7	0.2	13.6	12.6	92	98	10	2	24	3	10	10	7.6	0.7	76	at intervals 6 h.-8 h.
6	1012.1	1006.1	83.6	84.5	89	82	1.5	0.7	10.5	12.2	82	90	26	4	18	6	9	10	0.4	5.2	81	at intervals 4 h. 6 p.
7	1008.1	1011.8	84.6	82.9	88	82	2.7	1.7	9.5	9.5	70	80	22	7	22	3	7	10	3.7	11.0	79	Beautiful day.
8	1010.5	1018.3	85.4	81.8	87	80	3.1	1.5	9.5	9.2	66	81	24	3	24	3	5	3	0.3	8.3	79	Cloudy intervals.
9	1015.2	1003.3	84.8	84.0	86	80	2.0	0.5	10.5	12.2	77	94	20	5	20	8	10	10	6.6	—	76	at intervals 6 h.-8 h.
10	1005.7	1011.8	86.2	83.2	89	83	3.1	1.7	10.2	9.8	67	80	24	5	24	3	5	5	—	7.9	82	at intervals 5 h. Cloudy p.
11	1016.6	1016.9	85.5	82.0	87	81	1.8	0.6	11.2	10.5	78	93	22	3	22	3	10	10	1.5	0.1	79	at intervals p.
12	1020.3	1016.9	86.1	84.8	89	77	3.3	0.9	9.8	12.2	66	89	—	1	18	4	4	10	—	10.4	72	Beautiful day.
13	1019.9	1023.3	86.2	85.8	89	84	1.8	0.6	12.2	13.6	80	90	—	1	—	0	10	10	—	0.2	80	Dull.
14	1026.7	1025.4	88.8	84.5	92	84	2.3	0.5	13.6	12.6	77	93	22	2	—	1	6	10	—	10.0	81	Fine; cloudy midday.
15	1022.7	1021.0	89.3	83.5	92	83	1.7	0.6	15.3	11.9	82	93	10	2	—	0	9	3	—	6.7	79	Fine.
16	1020.3	1016.2	92.1	85.1	94	79	3.0	0.6	15.6	12.9	71	92	8	2	—	0	3	3	—	11.7	75	Beautiful day.
17	1013.2	1013.8	92.9	86.7	97	82	2.6	0.7	17.3	14.2	75	91	6	3	—	1	0	1	—	13.0	78	Beautiful day.
18	1014.5	1012.6	89.2	84.0	91	83	2.8	0.1	12.9	12.9	72	98	22	3	22	4	4	10	2.3	2.7	79	Cloudy. 6.3 showers 17 h.
19	1016.6	1016.6	86.8	84.1	90	82	2.3	0.6	11.9	12.2	74	92	24	4	26	2	6	10	6.6	4.4	79	6.3 showers a. and p.
20	1019.6	1017.9	85.2	86.9	89	82	1.0	1.3	12.6	13.6	87	85	24	2	—	0	6	10	—	0.1	81	Overcast.
21	1017.2	1019.6	89.8	85.7	91	85	1.9	0.4	15.3	13.9	80	95	24	2	24	2	7	10	0.3	1.3	83	Fair, but cloudy.
22	1021.0	1017.6	88.7	85.2	90	83	3.0	0.4	12.2	13.2	70	94	24	2	—	0	5	8	—	1.0	14	Fair, but cloudy.
23	1009.1	1013.5	86.7	83.9	91	84	2.4	0.5	11.5	12.2	73	94	18	8	24	5	10	10	2.1	4.7	82	6 p. 16 h.
24	1016.6	1013.5	86.3	84.6	89	81	2.6	0.7	10.9	12.2	71	91	24	4	26	2	8	8	—	4.1	79	Fine, but cloudy.
25	1022.7	1024.3	86.7	85.2	89	79	2.5	1.2	11.5	12.2	72	87	28	3	—	1	8	7	—	3.2	75	Fine, but cloudy.
26	1023.3	1024.7	88.7	83.4	90	76	2.7	1.6	12.9	10.2	73	81	24	2	26	2	6	6	0.3	4.1	79	Cloudy. 6.3 16 h.
27	1028.4	1029.8	86.9	87.6	91	80	2.9	1.7	10.9	13.2	69	80	26	3	24	2	7	10	—	6.3	77	Fine.
28	1030.1	1031.5	90.2	89.3	94	85	2.5	1.0	14.6	14.6	75	80	24	5	26	2	9	8	—	11.3	84	Beautiful day.
29	1031.1	1030.1	90.8	83.9	96	82	3.7	0.4	13.2	12.2	65	95	24	3	—	1	2	2	—	11.3	79	Beautiful day.
30	1029.1	1029.4	91.8	84.2	94	79	3.1	0.8	14.9	11.9	69	89	8	2	—	1	3	0	—	13.0	76	Beautiful day.
Mean	1017.8	1017.7	87.5	84.6	90.4	81.0	2.5	0.9	12.3	12.1	74	89	3.2	2.2	6.4	6.8	35.3	6.01	78.2			
Mean Barometer at Station Level.	1012.0	1011.7																				
* Metres per second.																						
0 denotes the highest and 10 the lowest.																						
METEOROLOGICAL OFFICE, LONDON.																						
1913.																						

FORT WILLIAM, INVERNESS-SHIRE, a.—JULY 1913.

Heights above Mean Sea Level:—Station, $H = 52.1$ m.; Barometer, $H_b = 1.6$ m. Heights above Ground:—Therms., $t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $56^{\circ} 49' N$ Long. $5^{\circ} 7' W$. Time, Greenwich mean time.

Rain gauge, n = 0.5 m. Lat. 56 49 N. Long. 5° 7' W. Time, Greenwich mean time.																						
Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force 0 12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	mm.		hr.	200 +
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.										
	millibar.		200 +	200 +	200 +	200 +		millibar.		%	%			Tenths of Sky covered.								
1	1030.1	1029.8	87.4	87.7	94	82	1.6	4.7	13.2	9.2	81	55	Calm	0	4	3	10	2	—	—	Cloudy a. Fine and sun	
2	1029.4	1026.7	89.7	88.9	95	86	1.9	1.6	14.9	14.9	80	84	Calm	0	16	1	9	2	—	—	Sultry and cloudy.	
3	1023.3	1018.9	90.5	88.5	96	85	3.1	1.7	13.9	14.2	69	82	Calm	0	Calm	0	1	10	—	—	Very fine and sunny.	
4	1018.9	1018.6	86.2	85.2	91	85	0.4	2.8	14.2	9.8	94	69	4	3	28	3	8	1	—	—	Very fine and sunny.	
5	1013.2	1009.4	84.7	85.1	87	83	1.6	2.1	11.2	10.5	81	75	20	4	Calm	0	100.0	100.0	5.1	—	Showery day.	
6	1010.5	1013.8	85.7	83.0	90	82	1.7	2.2	11.9	9.2	80	74	20	4	1	8	100.0	100.0	3.8	—	Showery day.	
7	1017.9	1019.3	84.0	83.3	88	80	0.5	2.5	8.5	8.8	65	71	Calm	0	8	1	70.0	9	0.5	—	Fine generally; showers.	
8	1019.6	1016.2	85.0	83.2	92	87	3.1	1.5	9.2	10.2	66	82	Calm	0	20	1	0	8	—	—	Very fine and sunny.	
9	1013.8	1013.8	86.8	84.7	89	81	2.5	0.0	11.5	12.6	73	93	20	1	20	2	100.0	100.0	—	—	Fine. = 0 on hills 21 h.	
10	1010.1	1010.8	84.6	85.1	86	83	1.0	0.5	11.9	13.2	87	94	20	2	Calm	0	10	100.0	0.5	—	Dull. = 0 and = evening.	
11	1012.8	1013.5	87.4	85.1	92	84	2.9	1.1	11.2	12.2	69	88	20	1	20	1	10	8	—	—	Fine and sunny generally.	
12	1013.5	1012.5	86.3	86.1	92	85	0.6	1.2	14.2	12.9	94	86	20	2	20	1	10	10	—	—	Fine and sunny.	
13	1012.1	1012.1	88.6	86.9	91	82	2.3	0.4	13.6	14.9	76	95	Calm	0	Calm	0	10	100.0	4.3	—	Dull. = 0 and = afternoon.	
14	1012.5	1013.8	86.8	87.5	91	85	0.6	1.2	14.6	14.2	94	86	20	1	Calm	0	10	100.0	0.3	—	0.0 = early. Fine and sunny.	
15	1016.2	1015.9	86.8	88.0	93	86	1.7	2.0	14.2	13.2	82	78	Calm	0	16	2	10	10	—	—	Dull 9 h. and 21 h.	
16	1013.5	1010.1	86.9	85.2	88	85	1.7	0.5	12.6	13.2	80	94	20	3	Calm	0	100.0	100.0	6.4	—	Fine a.	
17	1009.4	1011.8	85.7	85.8	86	85	0.5	0.5	13.9	13.9	94	94	20	2	20	2	100.0	100.0	1.8	—	Cloudy p.	
18	1016.9	1019.6	87.1	85.2	92	84	2.3	2.4	12.6	10.2	75	73	20	1	Calm	0	10	10	—	—	Cloudy p.	
19	1018.3	1020.3	85.2	85.0	90	83	1.2	2.9	12.2	9.5	85	68	20	3	26	4	10	10	0.3	—	Fine a.	
20	1021.3	1021.0	86.2	84.7	89	84	3.2	2.3	10.2	10.2	66	74	24	1	28	4	10	10	—	—	Cloudy p.	
21	1017.9	1019.3	86.0	85.2	90	82	2.0	2.2	11.5	10.5	78	74	Calm	0	4	5	9	8	—	—	Fine a.	
22	1024.3	1025.7	85.6	85.7	91	80	2.8	2.2	10.2	11.2	71	75	4	4	4	8	6	—	—	—	Cloudy p.	
23	1025.7	1024.0	87.1	85.8	94	80	3.1	3.9	10.9	8.8	68	60	4	6	4	3	1	0	—	—	Very fine, clear, and sunny.	
24	1024.3	1024.0	87.1	86.9	94	79	3.6	3.8	10.2	9.8	62	62	6	6	4	8	5	0	—	—	Very fine, clear, and sunny.	
25	1026.0	1024.7	86.3	88.5	95	83	1.7	2.7	12.2	12.6	80	72	4	2	4	2	100.0	2	—	—	Very fine, clear, and sunny.	
26	1025.4	1024.7	88.9	88.7	99	82	3.7	1.6	11.5	14.6	64	83	4	2	Calm	0	0	0	—	—	Dull at first, fine later.	
27	1025.7	1025.7	90.0	86.9	94	82	2.2	1.9	14.9	12.6	78	79	20	3	12	2	0	100.0	—	—	Very fine and sunny.	
28	1025.4	1023.3	88.6	87.4	94	85	2.4	1.5	13.2	13.6	75	82	4	1	28	2	100.0	100.0	—	—	Very fine and sunny.	
29	1021.3	1018.6	87.4	88.2	95	85	2.3	1.6	12.2	14.2	75	83	Calm	0	Calm	0	100.0	6	—	—	Generally fine and sunny.	
30	1018.3	1018.6	88.0	87.5	90	83	1.2	1.2	14.6	14.2	87	86	Calm	0	Calm	0	100.0	0	—	—	Cloudy a. Sunny p.	
31	1020.6	1022.3	90.2	90.3	95	85	2.3	2.8	14.9	14.2	77	72	8	1	Calm	0	80.0	100.0	—	—	Fine and sunny after 11 h.	
Mean	1019.0	1018.7	87.1	86.3	91.9	82.9	2.0	1.9	12.5	12.0	78	79	1.5	1.6	7.8	7.5	23.0	—	—	—	Fine and sunny, but much s	
Mean Barometer at Station Level.	1017.6	1017.3																				

DOUGLAS, ISLE OF MAN, a.—JULY 1913.

Heights above Mean Sea Level:—Station, $H = 84.5$ m.; Barometer, $H_b = 86.6$ m. Heights above Ground:—Therm., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.25$ m. Lat. $54^\circ 10' N$. Long. $4^\circ 28' W$. Time, Local mean time.

		Time, Local mean time.																					
1	1029'4	1028'7	88'5	84'1	92	84	1'6	0'7	14'6	11'9	83	90	24	2	28	5	4	3	—	13'4	81	a. Very fine.	
2	1029'1	1026'4	89'1	85'9	92	84	1'6	0'1	14'9	14'6	82	90	30	4	28	5	4	3	—	14'5	83	Squally.	
3	1023'7	1019'6	86'5	85'0	91	x 85	0'8	0'1	13'2	13'9	90	98	30	5	30	5	8	10=0	—	12'0	85	Squally. = 19 h.-22 h.	
4	1017'9	1018'3	85'2	83'8	88	84	1'2	0'8	11'9	11'5	84	90	28	6	28	4	8	4	—	8'3	84	Squally.	
5	1016'2	1010'5	84'7	83'2	89	83	1'5	0'9	11'2	11'2	82	90	28	5	28	3	8	4	—	8'3	82	Squally. Showery 17 h.-22 h.	
6	1009'4	1011'5	85'1	84'1	89	82	1'6	0'8	11'2	11'9	80	90	30	4	30	2	10	7	3'3	1'1	5'0	82	Cloudy and squally.
7	1016'2	1019'9	85'0	84'4	87	n 81	3'2	2'3	9'2	9'8	66	73	32	3	32	4	3	4	—	12'6	n 80	Very fine. Squally p.	
8	1019'6	1018'6	86'5	83'3	89	82	4'1	1'3	9'2	10'5	59	84	32	2	38	1	2	8	8'9	12'5	n 80	Very fine.	
9	1014'9	1014'9	83'6	84'5	n 85	82	0'0	0'3	12'6	13'6	100	97	12	3	30	1	10=0	10	6'2	—	8'3	Overcast, with =.	
10	1012'1	1012'8	84'5	84'7	87	83	0'9	0'6	11'9	12'6	89	93	24	2	28	1	10=0	10	—	0'1	82	Dull and overcast.	
11	1015'5	1015'9	85'8	85'8	87	84	1'5	0'1	12'2	14'6	83	99	30	2	24	1	8	10=0	1'3	0'6	82	Overcast. = 0 from 16 h.	
12	1014'9	1014'2	86'8	85'4	89	x 85	1'0	0'2	13'9	13'9	88	97	30	2	18	2	10	10=	1'3	0'7	85	Dull and cloudy. after 20 h.	
13	1014'2	1014'2	86'9	86'1	89	x 85	0'0	0'2	15'9	14'6	100	97	20	2	22	1	10=	10=	0'3	1'0	85	Dull and cloudy. at intervals.	
14	1013'8	1014'6	86'9	85'8	90	84	2'0	1'6	12'2	11'9	77	82	24	2	30	2	6	8	—	8'8	82	Very fine.	
15	1015'9	1017'2	86'2	84'7	92	84	1'0	0'8	14'2	12'2	89	90	30	4	30	5	8	2	—	13'5	83	Squally before 11 h. and after 16 h.	
16	1016'2	1013'8	86'9	85'8	88	83	1'5	0'0	13'2	14'6	83	100	24	2	20	1	10	10=	0'9	2'2	81	Dull and cloudy. p.	
17	1014'9	1014'9	86'9	87'5	88	x 85	0'8	0'2	14'2	15'9	90	98	24	3	26	3	10	10	1'1	0'2	85	= showers.	
18	1018'3	1021'6	85'8	84'7	88	x 85	1'5	0'8	12'2	12'2	83	90	32	3	28	1	8	10	2'4	2'8	84	= early. Cloudy and squally.	
19	1018'6	1022'3	84'8	84'1	89	x 85	1'2	0'0	13'2	9'8	98	76	20	1	30	5	10	0	0'3	6'8	84	= showers.	
20	1022'7	1023'3	85'6	84'1	88	82	1'8	1'1	11'5	11'5	79	86	28	6	28	2	4	8	0'9	9'4	81	Squally.	
21	1019'9	1017'6	85'0	85'2	86	84	0'8	0'0	12'6	14'2	90	100	22	1	12	1	10	10=	6'3	—	83	Overcast, with = showers.	
22	1022'3	1024'3	86'4	84'1	89	84	2'3	0'9	11'5	11'5	74	88	6	5	30	1	3	4	—	11'8	83	Squally a.	
23	1022'3	1023'3	89'1	85'8	x 84	84	3'2	2'1	12'2	11'2	68	76	30	2	6	2	4	0	—	13'4	81	Very fine.	
24	1023'7	1024'3	85'2	86'9	89	82	0'6	0'8	12'9	14'2	92	91	6	2	8	2	10	0	—	5'2	81	Very fine p.	
25	1025'0	1023'7	86'0	86'6	91	x 85	0'8	2'0	13'6	14'9	91	80	10	2	4	3	10	8	—	6'5	85	Very fine p.	
26	1024'7	1025'0	88'6	86'4	x 94	x 85	1'7	2'2	14'2	11'5	82	75	14	2	30	1	0	0	—	14'0	82	a. and p.	
27	1026'0	1025'7	88'0	87'3	x 94	x 85	0'9	1'5	15'3	13'6	90	82	12	2	28	3	00	2	—	11'9	83	a. Very fine.	
28	1024'3	1022'3	86'4	86'9	91	84	0'9	0'8	13'6	14'2	89	90	28	4	28	4	8	8	—	7'0	82	Squally. Sunny intervals.	
29	1019'9	1018'6	88'4	86'4	92	84	1'2	0'4	15'3	14'6	88	94	12	3	12	1	3	3	—	11'8	84	a. Very fine. T at intervals.	
30	1017'9	1008'3	89'1	87'4	x 84	84	1'1	0'7	15'9	14'9	88	91	6	1	26	2	10	10	—	1'5	83	Distant T a.	
31	1020'3	1022'3	87'3	87'7	92	x 85	0'6	0'5	15'3	15'6	93	94	10	1	Calm	0	10=	6	—	3'3	83	= 8 h.-14 h.	
Mean	1019'4	1019'3	86'5	85'5	89'8	83'7	1'4	0'9	13'1	13'0	85	90	2'8		2'4		7'0	6'4	34'3	6'91	82'7		
Mean Barometer at Station Level.	1008'9	1008'8																					
† Beaufort Scale (0—12).																							

† Beaufort Scale (0—12).

x denotes the highest and n the lowest of the values in the column.

SHREWSBURY, SHROPSHIRE.—JULY 1913.

Heights above Mean Sea Level:—Station, $H = 57.9$ m.; Barometer, $H_0 = 64.7$ m. Heights above Ground:—Therms., $h_1 = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $52^{\circ} 43' N$. Long. $2^{\circ} 45' W$. Time, Local mean time.

Day.	Barometer at 33° F. Mean Sea Level and Standard Gravity, (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.					
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.									
	millibar.		200 +	200 +	200 +	200 +		millibar.	%	%	†	†	Tenths of Sky covered.		mm.	hr.	200 +				
1	1029.4	1028.1	87.4	89.1	98	83	0.9	2.5	14.6	13.6	89	75	30	2	30	2	8	5	—	79	Sunny intervals.
2	1028.4	1025.0	87.9	89.8	96	84	1.6	1.8	13.9	15.3	83	81	30	2	32	1	10	9	—	79	Dull, cloudy, and warm.
3	1022.3	1018.9	89.8	86.8	92	86	2.3	1.1	14.6	13.6	77	87	30	3	32	1	10	9	—	86	Cloudy.
4	1017.2	1017.2	87.7	86.3	91	84	1.4	0.5	13.9	14.2	84	87	32	3	28	1	10	10	0.5	78	Fair, but dull.
5	1015.9	1011.5	85.3	84.6	90	84	1.0	2.1	12.6	10.5	88	76	28	3	28	3	10	3	0.8	82	Sunny intervals.
6	1008.1	1010.8	84.8	84.6	89	83	1.2	0.8	11.5	12.2	85	90	28	3	28	1	10	10	10.2	79	Showery; occasional sunshine.
7	1013.5	1018.3	82.3	84.5	n 87	82	0.3	1.7	11.2	10.9	95	80	32	1	30	2	10	8	4.8	80	Dull and showery.
8	1018.9	1019.3	86.3	84.1	91	81	2.5	1.7	11.2	10.5	72	80	20	2	28	1	6	8	0.5	77	Sunny intervals.
9	1016.6	1013.5	85.2	86.4	n 87	81	1.7	0.1	11.2	15.3	79	99	20	2	20	1	10	10	3.1	79	A few showers.
10	1012.1	1012.5	86.3	85.8	89	85	1.7	1.6	12.2	11.9	80	82	24	3	30	1	10	10	—	82	Dull and cloudy.
11	1015.5	1016.9	87.4	87.4	93	85	2.7	1.6	11.5	13.2	71	81	30	2	28	1	10	10	—	83	Generally cloudy.
12	1015.5	1015.2	90.8	88.9	92	85	2.8	1.7	14.6	14.6	72	82	24	2	20	1	8	10	1.5	84	Cloudy. • showers in after-
13	1015.2	1015.5	90.1	88.1	91	86	2.1	0.6	15.3	15.9	78	94	20	3	24	1	9	10	—	80	Dull and cloudy. (noon)
14	1014.2	1013.2	89.0	86.4	92	86	2.2	1.7	13.9	12.2	78	80	20	1	28	2	8	3	—	82	Cloudy; sunny intervals.
15	1014.2	1017.2	89.2	88.6	94	81	2.0	2.2	14.2	13.6	79	77	28	3	32	1	8	9	—	77	Fine and warm.
16	1017.2	1015.9	88.1	87.0	92	84	2.1	1.3	13.2	13.6	77	85	28	2	16	1	7	10	—	79	Dull and cloudy.
17	1017.6	1017.6	89.1	88.2	94	86	2.1	0.4	14.2	16.3	78	96	20	3	24	1	9	10	2.0	82	Fine day. • in evening.
18	1017.6	1022.3	88.6	87.2	91	x 87	2.3	2.4	13.6	11.9	76	74	28	2	28	2	9	8	1.3	84	Showery a. Sunny intervals.
19	1018.6	1020.6	86.9	85.9	90	85	0.6	1.7	14.6	11.9	93	81	24	2	28	2	10	7	0.5	81	Showers and sunshine.
20	1021.6	1023.0	87.5	85.0	90	83	3.1	2.3	11.2	10.5	68	74	28	3	28	1	8	3	0.1	78	Fine and sunny.
21	1020.6	1017.6	86.3	87.4	91	84	1.1	1.5	13.2	13.6	87	82	24	1	28	1	10	8	1.8	80	Fine. • from 22 h.
22	1020.6	1022.7	84.7	85.9	92	84	1.0	1.8	11.9	11.9	87	80	30	2	30	1	10	3	—	82	Fine and warm.
23	1019.9	1022.0	87.4	86.2	92	82	2.2	1.6	12.6	12.2	76	81	28	4	30	1	5	10	—	77	Fine, but cool.
24	1023.3	1023.7	86.2	85.8	92	85	1.6	1.1	12.2	12.9	81	87	32	1	4	1	10	0	—	82	Dull a. Fine p.
25	1024.3	1023.3	85.7	86.1	92	n 80	1.6	0.9	11.9	13.6	82	90	2	2	4	1	10	10	—	n 76	Fine and warm.
26	1024.3	1023.7	85.9	87.7	96	85	1.1	1.3	12.9	14.2	87	85	4	1	4	1	10	6	—	81	Dull a. Fine p.
27	1026.0	1024.7	87.5	88.9	96	82	2.2	1.5	12.6	15.3	76	85	4	1	8	1	5	5	—	78	Beautiful day.
28	1024.7	1022.7	88.6	87.4	97	n 80	1.9	1.6	13.9	13.2	80	81	8	1	8	1	6	6	—	n 76	Fine and sunny.
29	1020.3	1017.6	88.6	91.3	x 99	81	1.7	1.9	14.2	16.6	82	81	8	1	8	1	4	10	—	77	Sunshine all day.
30	1018.6	1017.9	89.2	86.7	95	86	2.0	1.0	14.2	13.9	79	88	8	1	8	1	8	4	—	84	Fine and warm.
31	1019.6	1021.6	86.1	87.7	95	83	1.4	1.6	12.6	13.6	84	82	8	2	8	1	10	3	—	78	Beautiful day.
Mean	1019.1	1019.0	87.3	87.0	92.5	83.6	1.8	1.5	13.1	13.3	81	84	2.1	1.2	8.6	7.1	27.1	—	80.1		
Mean inter- mediate at each level.	1011.3	1011.2																			

CAMBRIDGE, a.—JULY 1913.

Heights above Mean Sea Level:—Station, $H = 12.8$ m. ; Barometer, $H_b = 13.1$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $52^\circ 12' N$. Long. $0^\circ 8' E$. Time, Local mean time.

Rain gauge, $h_r = 0.3$ m. Lat. 52 12' N. Long. 6 50' W.																				Rain gauge, $h_r = 0.3$ m. Lat. 52 12' N. Long. 6 50' W.																			
1	1028.7	1027.7	86.8	85.8	91	82	2.1	2.0	11.9	11.2	76	77	30	1	32	2	1000	8	—	4.5	80	Sunny intervals 11 h.-17 h.																	
2	1026.4	1022.7	88.6	86.8	93	84	2.4	0.4	13.2	14.2	75	95	28	2	30	2	9	10	3.8	2.5	81	Sunny 12 h.-14 h. 30 m. • 17h.																	
3	1019.6	1017.2	87.1	86.8	89	86	1.4	1.0	13.2	13.9	84	91	32	2	32	1	100 ⁰	8	—	0.5	85	• at intervals. [-21 h.																	
4	1015.2	1016.2	86.4	84.6	89	84	0.9	0.5	13.6	12.6	89	94	30	2	32	1	100 ⁰	100 ⁰	2.0	—	8.5	• a. • 19 h.-23 h.																	
5	1015.2	1010.8	87.4	86.3	90	84	2.9	0.5	11.2	14.2	69	94	20	1	24	1	8	10	0.3	2.0	82	Overcast from 10 h. • 18 h.																	
6	1006.4	1008.8	87.1	85.2	88	83	2.2	2.0	11.9	10.5	76	77	24	1	32	2	10	9	1.5	0.2	81	• 12 h.-13 h. T 14 h.-16 h.																	
7	1010.8	1016.2	85.9	83.8	90	n 79	1.2	1.8	12.6	9.8	86	79	28	1	32	1	90 ⁰	0	0.8	6.5	n 76	Showery a. Sunny intervals.																	
8	1016.9	1018.6	85.9	85.2	90	n 79	3.7	1.4	8.8	11.5	62	82	28	2	28	1	7	4	—	3.5	n 76	Sunny intervals a. [a. and p.																	
9	1016.6	1018.6	90.2	86.7	92	n 79	4.5	1.4	11.2	12.9	59	84	16	2	16	1	8	9	1.5	4.5	n 76	Fine and sunny till 14 h.																	
10	1010.8	1010.5	87.1	85.4	91	85	1.1	0.2	13.9	13.9	87	97	24	1	32	1	900	1000 ⁰	3.1	0.2	83	• 14 h.-20 h.																	
11	1014.2	1016.6	88.2	85.8	94	81	1.4	0.6	14.2	13.6	85	93	24	1	28	1	500 ²	0	—	3.9	80	Sunny intervals. = 22 h.																	
12	1016.2	1016.2	91.8	89.1	95	83	2.7	1.6	15.6	14.9	73	83	16	1	16	1	900	4	—	3.0	81	Sunny intervals from 11 h.																	
13	1016.2	1016.2	90.1	87.8	95	86	2.1	1.1	14.9	14.2	78	87	20	2	Calmed	0	9	1	—	4.0	83	Sunny intervals from 10 h.																	
14	1013.8	1010.8	92.5	89.8	x 96	83	3.4	1.1	15.3	16.6	88	88	14	1	32	2	8	10	6.1	6.1	80	Fine and sunny till 14 h.																	
15	1011.1	1014.9	86.8	87.0	x 96	85	0.4	0.5	14.9	14.9	95	95	28	2	28	1	1000 ⁰	10	3.6	—	85	Gloomy. • all day.																	
16	1015.5	1015.2	89.1	88.6	93	86	2.2	1.3	13.6	15.3	78	81	20	1	20	1	10	100 ⁰	0.5	3.0	81	Sunny 14 h.-17 h.																	
17	1016.6	1015.9	90.9	89.9	95	84	2.2	1.8	15.9	15.3	78	87	20	2	24	2	10	10	—	0.2	87	Overcast and gloomy.																	
18	1015.9	1019.9	90.3	87.4	92	x 87	1.2	1.9	17.0	12.9	87	90	24	3	Calmed	0	10	10	2.0	0.5	84	• 9 h.-11 h.																	
19	1018.3	1018.3	87.2	86.3	90	85	1.8	0.8	12.6	13.6	80	90	24	3	Calmed	0	10	10	—	12.0	81	Beautiful day.																	
20	1019.3	1020.6	88.2	86.2	92	83	3.5	3.0	10.9	10.2	64	68	28	3	24	2	7	0	—	—	—	—																	
21	1019.9	1019.9	87.9	87.6	91	81	3.3	0.7	10.9	11.5	65	91	24	2	20	1	9	100 ⁰	1.0	1.0	79	Gloomy most of day. • 20 h.																	
22	1018.3	1020.3	87.9	87.6	91	81	3.3	0.7	10.9	11.5	65	91	24	2	20	1	9	10	0.5	2.4	85	Sunny intervals 9 h.-14 h. •																	
23	1015.5	1018.3	87.4	85.3	91	81	2.9	1.8	11.2	10.9	70	79	30	3	28	3	100 ⁰	10	0.3	—	83	• a. and p. Gloomy.																	
24	1022.0	1018.9	84.7	85.9	n 87	84	0.9	0.7	11.9	13.6	89	92	28	3-4	28	3	10	0	—	7.8	81	Fine and sunny 11 h.-19 h. [p.																	
25	1023.3	1023.0	87.5	85.6	91	83	1.5	0.9	13.2	12.6	82	89	32	1	32	1	10	0	—	—	82	Sunny 13 h. 30 m.-15 h. 30 m.																	
26	1023.3	1023.0	86.7	85.0	91	85	1.5	0.6	12.9	12.9	82	93	28	2-3	32	2	1000	100 ⁰	0.3	2.4	82	Sunny till noon.																	
27	1023.3	1024.7	85.8	86.1	91	85	0.6	1.2	13.6	12.6	93	86	30	1	32	3	1000	10	—	2.2	85	Gloomy till 17 h.																	
28	1025.7	1025.0	85.8	87.9	90	84	0.9	1.0	12.9	14.6	89	88	32	2	32	1	1000	10	—	1.2	84	Gloomy till 17 h.																	
29	1024.3	1024.3	85.8	87.9	90	84	0.9	1.2	13.2	15.3	97	88	4	2	12	2	1000	8	—	8.0	85	Sunny from 11 h.																	
30	1020.3	1019.6	84.9	88.6	x 96	84	0.3	1.3	14.6	14.2	80	86	12	1	12	1	8	5	—	7.5	80	Bright and sunny.																	
31	1018.6	1017.2	89.0	87.8	x 96	82	1.9	2.0	17	14.2	13.6	79	82	8	2	4	2	10	—	—	79	Gloomy.																	
	1017.9	1020.6	88.4	87.9	x 96	85	1.3	1.0	14.9	14.6	86	89	4	2	4	2-3	10	10	—	8.2	82	Sunny from 10 h.																	
Mean	1017.8	1018.0	87.9	86.8	91.8	83.3	1.9	1.2	13.2	13.3	79	87	1.7	1.4	9.1	7.5	27.3	3.18	81.8																				
Mean bar. height	1016.3	1016.4																																					
+ Beaufort Scale (0-12).																																							
+ denotes the highest and x the lowest of the values in the column.																																							

† Beaufort Scale (0—12).

x denotes the highest and n the lowest of the values in the column.

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

ARMAGH, a.—JULY 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H_b=61.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200 +	200 +	200 +	200 +	millibar.						%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +		
1	1030.8	1030.8	89.1	84.5	94	81	2.8	0.8	12.9	12.2	72	89	—	1	—	1	1	—	14.6	77	Very fine.		
2	1030.4	1028.4	91.3	88.6	94	83	2.2	1.3	16.3	15.3	78	87	—	1	—	1	8	—	4.2	80	Fine a. Overcast p.		
3	1024.7	1021.0	88.8	87.6	95	85	2.5	1.3	13.2	14.2	75	85	—	1	—	1	9	—	8.8	85	Very fine.		
4	1020.3	1020.3	85.3	82.9	88	83	2.3	1.1	10.5	10.5	73	87	32	2	—	1	10	10	—	1.6	84	Fine.	
5	1016.6	1011.8	86.7	83.5	89	82	2.5	1.2	11.2	10.9	72	86	—	1	—	1	10	9	0.3	1.1	86	A few slight showers.	
6	1011.1	1014.5	86.4	82.4	90	81	1.9	1.6	11.9	9.5	78	79	—	1	—	2	9	—	0.1	5.3	79	Fine.	
7	1018.3	1021.3	85.8	81.3	89	79	3.3	1.7	9.5	8.5	66	80	32	2	—	1	8	—	10.8	76	Very fine.		
8	1020.3	1016.6	86.1	83.0	89	77	3.1	0.6	10.2	11.2	67	93	—	1	18	2	10	100	3.8	5.1	74	Fine till 15 h., then drizzle.	
9	1013.2	1015.9	88.0	84.6	90	83	1.6	1.6	13.9	10.9	83	81	—	0	—	0	9	10	0.6	1.7	82	Fine.	
10	1011.5	1013.8	85.2	85.3	89	84	0.6	1.0	13.2	12.6	92	87	22	2	—	1	10	10	—	—	83	Overcast.	
11	1014.5	1015.5	86.4	85.2	90	84	0.7	0.5	13.9	13.2	91	93	—	1	—	1	10	10	—	—	84	Overcast.	
12	1013.5	1011.5	86.9	86.2	89	85	1.7	0.5	12.9	14.2	81	94	—	1	—	1	10	10	3.3	0.2	84	Overcast. 17 h.-18 h.	
13	1012.1	1013.5	88.1	84.8	91	85	1.7	0.5	13.9	12.9	82	95	20	2	—	1	10	9	1.5	0.5	85	Overcast and showery.	
14	1012.5	1015.2	86.4	84.7	91	84	0.8	1.1	13.9	11.9	90	86	20	2	—	1	10	8	0.4	3.7	82	Fine.	
15	1017.6	1018.6	85.9	85.5	89	85	0.7	1.5	13.6	11.9	92	81	—	1	—	1	100	10	—	—	81	Overcast.	
16	1014.9	1012.5	86.3	85.9	90	85	2.1	0.8	11.9	13.6	76	91	22	2	20	2	10	10	4.6	—	83	Overcast. Showery p.	
17	1012.8	1014.9	87.6	86.2	90	85	1.0	1.3	14.6	12.9	88	84	20	3	—	1	10	9	0.4	0.2	85	Overcast.	
18	1019.9	1022.0	87.3	84.6	88	85	2.1	1.7	12.6	10.9	77	80	—	1	—	1	10	10	7.9	—	85	Overcast.	
19	1018.9	1023.7	86.8	84.1	92	84	0.6	1.7	14.6	10.5	94	80	—	1	—	1	10	8	—	4.8	83	Overcast a. Very fine p.	
20	1024.0	1023.3	86.3	84.6	89	82	2.3	1.1	11.2	11.9	74	87	—	1	—	0	10	10	4.9	—	77	Overcast.	
21	1017.6	1015.9	86.5	86.9	90	83	0.3	0.5	14.9	14.9	97	94	18	2	—	1	10	7	11.9	0.1	81	Very heavy showers.	
22	1023.0	1025.7	88.0	82.4	92	82	3.5	0.6	10.9	10.9	64	93	6	2	—	1	0	0	—	12.0	81	Very fine.	
23	1023.7	1022.7	90.6	85.0	95	79	3.2	0.8	13.9	12.6	68	90	—	1	—	0	1	0	—	14.0	75	Very fine.	
24	1023.3	1023.3	88.5	85.6	92	79	3.2	1.0	11.9	12.6	68	88	—	1	—	1	0	0	—	10.4	75	Very fine.	
25	1023.7	1023.7	88.7	87.3	92	81	1.3	1.1	15.3	14.2	86	87	—	1	—	0	10	0	—	7.0	79	Very fine.	
26	1024.7	1024.3	91.0	88.6	96	83	4.7	1.8	11.9	14.2	57	81	—	1	—	1	0	0	—	12.6	79	Very fine.	
27	1026.7	1027.1	87.6	85.0	93	82	1.1	0.9	14.6	12.6	87	89	2	2	—	1	10	0	—	7.1	78	Very fine.	
28	1025.7	1024.0	87.3	86.1	91	81	2.1	1.0	12.6	13.2	77	87	—	1	—	1	10	0	—	0.8	76	Overcast nearly all day.	
29	1020.6	1018.3	87.4	85.3	90	85	1.4	0.6	13.6	13.2	83	92	—	1	—	1	10	10	—	—	85	Overcast.	
30	1017.9	1019.6	88.4	85.5	94	82	2.2	1.0	13.2	12.6	76	88	—	1	—	0	10	9	—	—	85	Overcast.	
31	1020.3	1022.7	90.2	86.7	94	81	2.2	1.0	14.9	13.9	77	88	—	1	—	1	9	3	—	9.2	77	Fine.	
																	2	10	—	9.8	77	Fine.	
Mean	1019.5	1019.7	87.5	85.2	91.1	82.5	2.0	1.1	13.0	12.4	79	87	1.3	0.9			7.9	6.6	39.7	47.0	80.5		
Mean Barometer at Station Level.	1012.1	1012.2																					

DUBLIN (PHOENIX PARK), a.—JULY 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H_b=48.5 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1030.4	1029.8	92.2	85.6	96	77	3.9	0.6	14.2	13.6	64	93	—	1	—	0	2	0	—	15.0	74	Beautiful day.		
2	1030.4	1028.4	91.3	90.0	95	82	2.7	1.6	15.3	15.9	73	83	—	2	—	1	4	8	—	6.6	77	Fine; cloudy intervals.		
3	1025.0	1021.3	87.1	89.1	95	84	0.9	1.2	14.2	15.9	90	88	—	3	—	1	10	8	—	6.7	78	Overcast a. Bright p.		
4	1020.6	1020.6	85.7	84.6	90	84	1.8	1.2	11.5	11.5	80	86	—	3	—	1	10	8	—	0.2	84	Dull.		
5	1018.3	1012.8	85.1	84.1	90	82	1.2	1.7	11.9	10.5	85	79	—	26	3	26	3	10	10	—	0.7	81	Dull.	
6	1011.8	1014.5	86.5	83.4	n 89	82	2.8	1.6	10.5	10.2	69	81	—	28	4	28	3	10	10	—	0.6	80	● showers 9 h. 30 m.-15 h.	
7	1017.9	1020.6	83.4	81.4	n 89	79	1.9	1.2	9.8	9.2	78	85	—	32	4	—	0	8	2	—	8.7	75	Fine.	
8	1021.0	1018.3	85.6	83.7	n 90	75	3.5	0.7	9.2	11.9	63	92	—	26	3	—	1	5	10	3.6	7.4	n 71	Cloudy. ● 18 h.-20 h.	
9	1014.2	1016.2	88.6	85.6	91	84	2.1	1.9	13.6	11.2	78	77	—	28	2	—	1	6	7	—	2.1	83	Fair, but cloudy.	
10	1013.2	1014.9	84.7	85.9	n 89	84	0.5	0.7	12.9	13.6	94	91	—	24	3	26	2	10	10	0.1	—	82	Overcast.	
11	1016.2	1016.9	86.8	86.2	n 89	84	0.8	0.7	14.2	13.9	90	93	—	24	3	—	1	10	10	0.8	—	83	Overcast. ● 18 h.-19 h. & 20 h.	
12	1015.2	1013.2	87.4	87.9	n 90	85	1.6	0.6	13.2	15.6	82	95	—	22	2	—	0	10	9	0.9	—	84	Overcast. ● 18 h.-19 h.	
13	1013.8	1014.9	90.0	86.7	92	x 86	2.6	1.6	14.2	12.6	74	81	—	22	2	—	1	8	5	0.4	0.3	85	Dull; showers a. and p.	
14	1015.2	1015.2	85.6	87.8	92	82	1.1	1.5	12.6	13.9	88	83	—	24	3	28	2	10	10	0.4	3.1	79	Cloudy; showers 13 h.-18 h.	
15	1018.3	1019.3	87.6	86.7	n 89	85	1.6	1.0	13.6	13.9	81	88	—	28	3	—	0	10	10	—	0.2	81	Dull.	
16	1016.9	1014.2	86.8	87.9	n 91	85	2.3	1.1	11.9	14.6	75	87	—	24	3	—	22	8	8	1.0	0.6	84	Dull. ● 14 h. 45 m.-16 h. 30 m.	
17	1015.5	1016.6	87.5	88.5	91	x 86	1.1	1.1	14.2	15.3	87	88	—	22	5	24	3	10	10	1.8	—	85	Overcast; showers a. and p.	
18	1019.9	1022.3	88.0	85.8	92	x 86	1.2	1.6	14.6	11.9	87	82	—	28	3	—	0	10	10	8	5.1	4.1	85	Fine, but cloudy.
19	1018.9	1023.7	88.5	87.1	93	85	0.7	2.0	16.3	12.6	93	78	—	26	3	30	2	10●	8	1.6	3.2	84	● 3 h.-9 h.; showers 9 h.-12 h.	
20	1025.0	1023.7	87.3	85.9	90	79	3.4	1.0	10.5	12.9	65	88	—	28	3	—	0	6	10	0.3	1.4	77	Cloudy. Showers p.	
21	1019.9	1016.9	86.7	87.2	92	80	1.3	0.4	13.2	15.3	85	96	—	22	3	24	3	10	10●	3.8	0.6	78	Dull. ● 2 showers 18 h.-21 h.	
22	1023.0	1025.0	85.7	82.0	90	81	0.7	0.9	13.2	10.2	92	89	—	4	3	—	0	10	0	—	9.8	84	Beautiful day.	
23	1024.3	1022.3	88.7	82.4	x 96	77	2.7	1.1	12.9	10.2	72	86	—	3	—	0	3	0	—	—	13.2	75	Beautiful day.	
24	1023.0	1023.3	88.6	84.6	90	77	3.0	0.5	12.2	12.6	69	93	—	6	3	—	0	3	0	—	—	7.7	75	Fine; cloudy intervals.
25	1024.0	1024.0	89.6	82.8	91	79	2.3	0.4	14.2	11.5	76	95	—	6	3	—	1	5	0	—	—	12.3	76	Beautiful day.
26	1024.3	1025.0	91.2	83.5	94	79	3.0	1.1	14.6	10.9	71	87	—	6	2	—	1	4	0	—	—	10.6	77	Beautiful day.
27	1025.7	1026.4	94.8	85.6	95	79	5.9	0.8	13.6	12.9	52	90	—	6	2	—	1	0	0	—	—	14.0	77	Beautiful day.
28	1026.4	1023.7	87.9	84.0	93	80	2.7	0.5	11.9	12.2	71	93	—	28	3	—	1	7	5	—	—	4.9	77	Fine, but cloudy.
29	1021.0	1019.3	88.0	82.7	91	82	1.9	0.5	13.6	11.2	80	93	—	6	2	—	0	10	0	—	—	4.0	80	Overcast a. Bright p.
30	1018.3	1018.6	88.2	86.2	93	79	1.8	0.8	13.9	13.6	81	90	—	6	2	—	0	8	3	—	—	4.9	77	Fine, but cloudy.
31	1020.6	1022.3	88.9	86.2	92	81	2.4	0.5	13.6	14.2	76	95	—	1	—	0	10	0	—	—	3.0	79	Fine, but cloudy.	
Mean	1020.3	1020.1	87.9	85.5	91.6	81.7	2.1	1.0	13.1	12.8	78	88	—	2.8	—	1.1	7.5	5.7	20.4	4.89	79.6			
Mean Barometer at Station Level.	1014.4	1014.3																						

* Metres per second.

METEOROLOGICAL OFFICE, LONDON.

* Metres per second.

x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON.
September 18th, 1913.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNES, ORKNEY, a.b.—AUGUST 1913.

Heights above Mean Sea Level:—Station, H=48.8 m.; Barometer, H_b=49.7 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.		
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FORT WILLIAM, INVERNESS-SHIRE, a.—AUGUST 1913.

Heights above Mean Sea Level:—Station, $H = 52.1$ m.; Barometer, $H_b = 11.6$ m. Heights above Ground:—Therms., $h_t = 1.2$ m. Rain-gauge, $h_r = 0.3$ m. Lat. $56^\circ 49' N$. Long. $5^\circ 7' W$. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.						Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	mm.	hr.	200+			
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.												
	millibar.		200+	200+	200+	200+			millibar.		%	%			Tenths of Sky covered.									
1	1024.7	1025.0	88.9	86.5	89.5	86.6	1.8	0	14.2	12.6	81	80	20	2	20	2	100	4	—	—	—	Fine and sunny; ∞.		
2	1025.4	1025.4	88.1	88.0	90	84	2.0	0.7	13.6	16.3	79	96	20	3	Calms	0	10	100 ⁰ ≡0	0.5	—	—	Fine generally; ∞. ⁰ ≡∞.		
3	1024.0	1023.7	89.7	86.3	94	86	1.7	2.2	15.6	11.5	82	75	20	2	Calms	0	10	7	0.5	—	—	Fine generally. Some ⁰ .		
4	1025.7	1022.7	85.7	83.6	90	82	2.7	1.9	10.2	9.8	70	78	4	3	24	3	10	8	—	—	—	Fine generally.		
5	1018.6	1018.6	85.1	84.8	89	80	1.5	2.5	11.5	9.8	81	72	20	2	4	3	9	8	—	—	—	Fine generally.		
6	1019.6	1018.9	85.3	83.6	89	80	2.9	2.1	9.8	9.5	68	76	Calms	0	22	2	9	5	—	—	—	Fine generally.		
7	1018.9	1017.6	84.9	83.6	92	76	2.3	1.9	9.5	9.8	74	78	Calms	0	Calms	0	9	2	—	—	—	Fine. Spasmodic sunshine.		
8	1013.8	1010.1	86.3	85.2	89	80	2.1	1.7	11.5	11.2	76	79	20	3	Calms	0	10	10	0.3	—	—	Fine and sunny.		
9	1008.4	1009.1	86.8	83.6	90	82	2.3	1.7	11.9	10.2	75	80	Calms	0	Calms	0	9	1	—	—	—	Dull, with sunny intervals.		
10	1010.1	1010.8	86.8	83.6	93	80	2.2	2.3	11.9	9.5	75	74	20	2	Calms	0	10	6	—	—	—	Generally fine and sunny.		
11	1012.8	1017.6	86.3	83.7	93	81	3.3	2.0	10.2	9.8	65	77	4	3	4	3	7	1	—	—	—	Generally fine and sunny.		
12	1021.3	1020.6	86.3	85.2	93	81	2.5	1.6	11.2	11.2	72	80	Calms	0	Calms	0	7	10	2.5	—	—	Dull and cloudy.		
13	1013.2	1016.9	87.3	85.9	91	84	0.5	2.0	15.3	11.5	94	78	20	3	20	2	100	10	—	—	—	Showerly early. Fine after.		
14	1017.2	1018.3	86.7	86.3	91	83	2.0	0.5	12.2	14.2	77	93	Calms	0	24	1	10	10	—	—	—	Fine, but dull. ∞.		
15	1018.3	1018.3	89.6	88.6	93	86	1.7	0.3	15.3	17.0	82	97	20	3	Calms	0	7	10	—	—	—	Fine, but dull. ∞.		
16	1017.6	1022.7	89.8	85.9	91	86	0.7	1.2	17.6	12.6	92	86	20	2	Calms	0	10	4	0.5	—	—	Dull. ∞.		
17	1026.0	1028.4	88.0	85.2	94	82	2.5	2.8	12.6	9.8	74	69	4	2	8	3	8	2	—	—	—	☉ and ∞. Fine and sunny.		
18	1028.7	1026.0	87.7	84.3	92	79	3.6	1.9	10.5	10.5	63	78	4	3	4	3	1	0	—	—	—	Very fine, clear, and sunny.		
19	1024.0	1021.0	85.8	84.1	95	77	2.2	1.2	11.2	11.2	75	85	Calms	0	Calms	0	0	0	—	—	—	Fine, clear, and sunny.		
20	1020.6	1018.6	85.8	86.8	95	78	1.7	1.6	11.9	12.9	81	81	20	1	20	2	60	80	6.4	—	—	Fine, clear, and sunny.		
21	1012.1	1005.0	87.4	87.7	89	85	0.3	0.3	15.6	15.9	96	97	20	3	20	3	100 ⁰ ≡0	100 ⁰ ≡0	24.1	—	—	Sunny, with ∞.		
22	1002.3	1002.7	86.5	84.7	89	85	0.7	0.7	13.9	12.6	91	91	20	5	20	4	80 ⁰	90 ⁰	9.7	—	—	☉ and ∞ all day.		
23	1002.3	1000.3	85.2	83.0	90	82	0.7	0.5	12.9	11.5	90	94	20	3	20	2	100 ⁰	100 ⁰	16.3	—	—	Overcast, with ⁰ .		
24	1009.1	1015.9	85.8	83.7	89	81	1.5	0.8	12.2	11.5	83	91	20	3	16	3	100 ⁰	100 ⁰	9	—	—	☉ mostly all day.		
25	1016.2	1021.3	85.6	86.7	88	84	0.4	0.4	13.9	14.9	95	95	20	3	20	2	100 ⁰ ≡0	100 ⁰ ≡0	0.5	—	—	Showerly, with fine intervals.		
26	1024.3	1026.0	87.3	87.2	89	86	0.4	0.7	15.6	14.9	95	92	20	3	20	2	100 ⁰ ≡0	100 ⁰ ≡0	3.8	—	—	☉ and ∞. Fair.		
27	1026.7	1023.7	87.3	84.6	92	85	1.4	0.6	13.6	12.6	83	92	Calms	0	Calms	0	10	0	0.5	—	—	☉ and ∞. Fair.		
28	1019.3	1016.9	86.8	85.8	92	84	1.2	0.6	13.6	13.6	86	93	20	3	20	2	100 ⁰	100 ⁰	—	—	—	Very clear and sunny.		
29	1013.5	1009.8	88.9	87.1	92	84	2.1	0.8	13.9	14.6	79	91	Calms	0	4	1	9	2	—	—	—	Fine and sunny.		
30	1010.1	1013.8	86.4	86.5	90	85	0.4	1.3	14.6	13.2	94	85	8	1	Calms	0	100	100	0.3	—	—	Generally fine. Dull at times.		
31	1017.2	1019.6	86.3	82.3	88	82	2.3	1.5	11.5	9.5	74	80	4	4	3	7	1	—	—	—	—	—	Showers early; generally fine.	
Mean	1017.5	1017.6	86.9	85.3	91.2	82.5	1.7	1.3	12.9	12.1	81	84					2.0	1.5	8.3	6.1	65.8	—	—	Fine and sunny.
Mean Bar- ometer at Station Level.	1016.1	1016.2																						

DOUGLAS, ISLE OF MAN, a.—AUGUST 1913.

Heights above Mean Sea Level:—Station, $H = 84.5$ m.; Barometer, $H_b = 86.6$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.25$ m. Lat. $54^\circ 10' N$. Long. $4^\circ 28' W$. Time, Local mean time.

[illegible]

† Beaufort Scale (0-12).
 x denotes the highest and n the lowest of the values in the column.

SHREWSBURY, SHROPSHIRE.—AUGUST 1913.

Heights above Mean Sea Level:—Station, $H = 57.9$ m.; Barometer, $H_b = 64.7$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $52^\circ 43' N$. Long. $2^\circ 45' W$. Time, Local mean time.

Rain gauge, h_r=0·3 m. Lat. 52° 43' N. Long. 2° 45' W. Time. Local mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 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.		200 +	200 +	200 +	200 +		millibar.		%	%	Tenths of Sky covered.		mm.	hr.	200 +						
1	1024·3	1025·0	88·0	88·3	97	85	2·9	2·1	11·9	13·6	70	78	12	2	8	1	8	0	—	—	77	Dull a. Beautiful day.
2	1026·4	1024·7	87·9	89·1	98	80	1·6	2·6	13·9	13·2	83	74	12	1	12	1	4	7	—	—	75	Beautiful day.
3	1023·7	1020·6	91·8	90·5	x 99	81	2·8	1·9	15·6	15·9	73	79	12	1	4	1	7	6	—	—	77	Fine and warm.
4	1021·0	1021·6	88·5	86·7	93	87	2·8	3·1	12·6	10·5	71	67	2	2	2	1	10	10	—	—	81	Fine.
5	1020·3	1016·9	87·1	84·8	91	77	4·2	1·9	9·2	10·9	58	78	8	2	4	1	0	8	—	—	72	Fine till noon, then dull.
6	1016·9	1019·3	86·9	84·1	91	81	2·7	1·8	11·2	10·2	71	79	8	1	32	1	8	6	—	—	76	Fine and warm.
7	1018·6	1017·9	87·5	83·8	91	79	3·5	1·6	10·5	10·5	64	81	32	1	32	1	3	8	—	—	73	Fine and warm.
8	1015·2	1012·5	86·1	82·5	92	n 76	3·5	1·4	9·5	9·5	64	82	32	1	32	1	6	3	3·1	n	71	Fine and warm.
9	1009·4	1009·8	85·7	85·3	90	79	0·5	0·3	13·9	13·6	94	96	4	1	32	1	10	8	9·4	—	74	☉ showers during day.
10	1012·1	1012·8	87·3	86·9	n 89	80	3·3	1·7	10·9	12·9	66	81	24	2	24	1	3	10	2·5	—	75	Fine and warm.
11	1012·1	1015·5	90·2	88·3	93	85	1·9	1·4	15·6	14·6	80	85	24	1	24	1	8	10	—	—	83	Fine, but cloudy.
12	1021·3	1023·7	86·8	87·2	94	84	2·0	2·0	12·2	12·6	77	78	24	1	24	1	10	10	0·2	—	79	Dull a., then fine and warm.
13	1019·9	1018·3	87·4	89·2	93	85	1·1	2·3	14·2	13·9	87	76	24	1	24	1	10	10	—	—	82	Fine.
14	1019·6	1019·3	86·2	89·8	93	85	0·4	0·4	14·2	18·0	94	96	28	1	24	1	10	10	2·8	—	82	☉ till 10 h. Fine till 15 h.
15	1019·9	1019·6	89·7	90·3	95	x 88	0·5	1·1	18·0	17·3	95	88	28	1	28	1	10	10	—	—	85	☉ till 10 h. [then ☉]
16	1019·9	1021·0	91·6	91·3	97	x 88	1·8	1·0	17·3	18·6	81	89	32	1	30	1	8	6	—	—	83	Beautiful day.
17	1022·7	1025·4	90·9	88·9	94	85	2·3	1·8	15·6	14·6	76	81	32	2	32	1	3	10	—	—	81	Fine.
18	1026·4	1023·7	86·1	84·2	92	84	1·9	0·5	11·9	12·2	79	93	32	1	32	1	10	7	—	—	81	Cloudy till 11 h., then fine.
19	1023·0	1022·0	84·6	83·3	92	n 76	1·7	0·6	10·9	11·5	80	93	32	1	32	1	7	8	—	—	74	Fine and warm from 11 h.
20	1022·0	1022·3	84·6	83·9	95	77	0·9	0·6	12·2	11·9	88	93	32	1	32	1	☉	0	—	—	74	Fine.
21	1020·6	1016·9	91·3	90·5	96	82	2·8	1·2	14·9	17·3	72	87	24	2	20	3	10	10	—	—	77	Fine till 16 h.
22	1013·2	1009·4	91·9	88·2	93	x 88	3·0	0·1	15·3	17·0	71	99	24	2	24	1	10	10	21·1	—	85	Fine a. ☉ from 13 h.
23	1010·1	1012·8	86·2	86·1	92	85	0·8	2·0	13·6	11·5	90	78	28	2	24	3	8	10	—	—	82	Fine.
24	1013·8	1020·3	87·6	85·0	92	85	2·2	1·0	12·6	12·2	76	89	24	3	24	1	6	2	—	—	81	Fine, with fresh breeze.
25	1023·3	1025·0	89·4	85·8	95	79	2·5	0·8	13·6	13·2	74	90	24	1	24	1	2	1	—	—	76	Fine.
26	1026·7	1025·7	86·9	88·1	96	80	1·0	1·7	13·9	13·9	88	82	24	1	24	1	7	2	0·8	—	76	Beautiful day.
27	1023·0	1023·0	88·6	89·0	95	86	0·6	1·0	10·3	15·9	94	89	24	1	24	1	10	0	—	—	80	Dull a., then fine and warm.
28	1019·6	1019·6	90·2	90·2	97	82	2·3	1·2	14·9	17·0	76	87	32	1	28	1	6	0	—	—	79	Beautiful day.
29	1011·8	1008·1	86·1	80·0	92	85	0·6	0·7	13·9	17·6	94	93	4	1	4	1	7	0	—	—	80	Cloudy. ☉ from 15 h.
30	1005·4	1011·8	89·9	88·6	97	87	0·3	0·6	18·3	16·6	97	94	4	1	4	1	10	0	—	—	84	Fine.
31	1014·9	1015·5	88·5	88·6	92	87	1·3	1·2	15·3	15·3	87	88	4	1	4	1	10	10	—	—	84	Dull and warm.
Mean	1018·8	1018·6	88·1	87·3	93·9	82·8	1·9	1·3	13·7	14·0	80	85	1·3	1·1	7·1	6·5	64·5	—	—	—	78·7	
	1011·0	1010·8																				

CAMBRIDGE 2 — AUGUST 1913.

CAMBRIDGE, a.—AUGUST 1913.

Heights above Mean Sea Level:—Station, H = 12·8 m. ; Barometer, H_b = 13·1 m. Heights above Ground:—Therms., h_t = 1·2 m.
Rain-gauge, h_r = 0·3 m. Lat. 52° 12' N. Long. 0° 8' E. Time, Local mean time.

Rain gauge, $h_r = 0.3$ m. Lat. $52^{\circ} 12' N$. Long. $10^{\circ} 12' W$.															Time.															Wind.															Temperature.															Barometer.															State of sky.															Remarks.																													
1	1023.3	1025.4	88.7	86.9	94	87	1.8	1.4	14.2	13.2	81	84	4	2	4	1	3	—	54	86	Overcast till noon, then sunny.																																																																																																		
2	1025.7	1024.3	88.5	86.9	95	80	2.2	0.9	13.6	14.2	77	89	32	1	1	1	0	—	75	78	Overcast α , then sunny.																																																																																																		
3	1023.7	1019.3	88.6	88.6	97	79	1.4	1.6	14.9	14.6	85	83	12	1	1	1	0	—	106	78	Beautiful day.																																																																																																		
4	1019.3	1020.3	88.2	85.2	90	82	1.1	1.5	14.9	11.5	88	81	32	3	32	2	10	5	—	81	81	Overcast and gloomy.																																																																																																	
5	1018.6	1015.9	87.4	86.0	91	82	3.3	2.6	10.9	10.5	66	71	30	1	32	1	6	10	—	72	81	Fine and sunny till 17 h.																																																																																																	
6	1015.2	1018.3	86.9	84.0	91	81	2.0	1.6	11.2	10.5	77	81	28	1	32	1	7	10	0.3	2.5	n 74	80	Overcast most of day. $\alpha^0 p$.																																																																																																
7	1018.3	1016.6	88.0	85.2	92	n 76	3.1	0.5	11.5	13.2	68	93	20	1	20	1	9	10	—	85	78	Sunny till 15 h, then overcast.																																																																																																	
8	1014.5	1011.8	88.0	85.5	94	80	3.2	2.0	11.5	11.2	67	77	32	1	12	1	4	10	—	74	78	Sunny most of day.																																																																																																	
9	1009.4	1008.4	89.4	87.1	94	80	3.8	1.9	11.5	12.6	63	79	12	2	12	1	7	10	—	85	79	Sunny most of day.																																																																																																	
10	1011.5	1012.5	88.2	86.5	94	81	2.4	1.6	12.9	12.6	74	81	32	1	1	1	6	8	0.3	7.0	79	81	Overcast till noon. K 16 h.																																																																																																
11	1012.5	1015.5	89.6	88.7	96	85	1.4	0.1	15.9	17.6	85	99	20	2	1	1	100 ⁰	10=0	5.1	2.9	83	84	Sunny. Clear n. [45 m.]																																																																																																
12	1019.3	1022.7	89.1	85.8	92	86	2.2	1.6	13.9	11.9	77	82	4	2	32	1	8	0	0.5	6.0	84	85	early α . Overcast.																																																																																																
13	1020.3	1016.6	88.6	88.9	93	85	2.3	0.5	13.6	17.0	76	95	24	1	20	1	10	9	0.5	0.7	83	84	Sunny α , then overcast.																																																																																																
14	1017.9	1018.3	88.6	89.3	94	85	2.2	1.9	13.6	14.6	77	80	28	2	1	1	9	10	—	3.0	83	84	Gloomy day.																																																																																																
15	1019.3	1020.3	89.1	88.5	92	86	2.1	1.7	15.3	14.2	78	82	8	1	8	1	9	9	—	—	86	87	Sunny till 13 h, then overcast.																																																																																																
16	1020.6	1019.9	90.8	88.1	95	81	3.6	1.2	13.2	14.6	65	87	32	1	32	1	2	0	—	10.8	81	82	Beautiful day.																																																																																																
17	1022.0	1024.7	90.3	86.5	96	84	2.3	1.0	14.9	13.6	76	88	32	3	32	2	9	9	—	0.7	84	85	Gloomy most of day.																																																																																																
18	1024.0	1023.0	87.5	85.9	90	86	2.2	1.7	12.6	11.9	76	81	32	3	32	2	10	10	—	—	84	85	Gloomy day.																																																																																																
19	1021.6	1021.0	85.7	85.8	n 89	84	0.6	0.5	13.6	13.6	93	94	30	2	32	1	9	10	—	—	85	86	Fine till 18 h.																																																																																																
20	1020.6	1020.3	88.0	85.8	95	85	2.8	0.6	11.9	13.6	71	92	24	1	1	1	9	9	—	7.5	85	86	Fine till 17 h.																																																																																																
21	1020.6	1018.9	90.2	90.9	99	79	2.8	2.7	13.9	14.9	72	74	20	1	20	2	7 ⁰⁰	3	—	10.2	76	77	Overcast most of day.																																																																																																
22	1014.9	1011.5	93.0	92.0	96	n 80	2.2	1.4	18.0	18.6	78	86	20	3-4	20	4	8	10	1.3	2.9	87	88	Sunny 13 h.-18 h. 30 m.																																																																																																
23	1009.1	1013.5	88.0	86.2	93	86	0.3	2.3	16.3	11.2	97	75	24	1	24	2	100 ⁰	0	6.1	4.4	85	86	Overcast till 11 h, then sunny.																																																																																																
24	1014.9	1019.3	87.5	83.7	93	82	1.7	0.1	13.2	12.6	80	99	20	3	28	2	100 ⁰	0	—	4.7	79	80	Beautiful day.																																																																																																
25	1024.0	1024.3	89.7	87.4	96	79	2.4	1.1	14.2	14.2	76	88	20	1	1	1	2	0	—	12.6	77	78	Beautiful day.																																																																																																
26	1026.4	1025.0	92.8	87.1	97	81	4.3	1.1	14.2	13.9	62	87	12	1	1	1	0	0	0.3	11.1	79	80	Gloomy. Sunny 15 h.-17 h.																																																																																																
27	1024.0	1022.0	87.1	89.1	97	85	0.2	2.7	15.6	14.9	98	82	28	1	32	2	1000 ⁰	2	—	2.9	83	84	Overcast. T 23 h. [30 m.]																																																																																																
28	1018.6	1010.5	91.4	90.2	n 100	86	1.6	2.6	17.3	14.2	83	74	4	2	1	1	1	100 ⁰	1.3	1.9	84	85	Overcast till noon, then sunny.																																																																																																
29	1010.5	1007.8	90.7	91.3	97	86	1.0	0.3	18.0	20.0	89	96	30	2	1	1	5 ⁰⁰	100 ⁰	1.3	1.9	84	85	Gloomy day.																																																																																																
30	1007.4	1008.8	88.9	91.3	98	86	0.1	1.5	17.6	17.6	99	84	32	1	32	1	10=2	0	1.3	4.0	85	86	Overcast till noon, then sunny.																																																																																																
31	1012.5	1014.2	88.6	87.5	92	87	0.6	0.7	16.6	14.9	94	91	32	2	28	2	100 ⁰	100 ⁰	18.5	—	82	83	Gloomy day.																																																																																																
Mean	1018.1	1017.9	89.0	87.4	94.2	83.2	2.0	1.4	14.2	14.0	79	85	1.6	1.0	7.2	4.8	35.5	5.42	81.4																																																																																																				
† Beaufort Scale (0-12).																																																																																																																							
α denotes the highest and n the lowest of the values in the column.																																																																																																																							

† Beaufort Scale (0-12).

ARMAGH, a.—AUGUST 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H₀=61.6 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	mm.		hr.	200 +
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.										
	millibar.		200 +	200 +	200 +	200 +			millibar.		%	%	*	*	Tenths of Sky covered.							
1	1025.0	1025.7	89.0	87.8	94	84	1.8	0.9	15.6	14.9	88	89	—	1	—	1	10	2	—	3.8	79	Fine.
2	1026.0	1026.0	91.5	89.1	98	82	2.4	1.5	15.9	15.3	76	84	—	1	—	1	10	4	0.5	11.6	79	Very fine and warm.
3	1025.7	1024.3	89.8	88.4	94	88	1.1	1.5	16.6	14.6	88	84	—	1	—	1	10	10	—	1.6	85	Cloudy.
4	1024.0	1023.3	87.4	83.0	92	82	1.6	0.8	13.2	10.9	81	90	2	2	—	1	5	0	—	7.0	78	Fine.
5	1020.3	1018.9	86.2	83.6	98	80	2.2	1.2	11.5	10.9	75	86	—	1	—	1	10	10	—	1.7	75	Cloudy and cool.
6	1019.6	1020.3	86.4	83.1	91	79	2.5	1.4	11.2	10.2	72	83	—	1	—	0	9	10	—	4.8	74	Fine.
7	1018.6	1018.3	87.3	81.8	91	81	2.8	1.4	11.5	9.2	71	82	—	1	—	0	10	2	—	3.7	78	Fine.
8	1015.2	1011.8	87.1	84.9	90	79	2.2	1.5	12.2	11.5	75	82	—	1	—	1	8	10	1.9	4.3	74	A few showers.
9	1008.8	1010.5	86.7	83.5	90	84	1.8	1.6	12.6	10.2	79	81	—	1	—	0	10	10	—	2.6	82	Cloudy.
10	1010.8	1009.8	87.3	87.4	91	83	2.8	1.5	11.5	13.6	71	82	—	1	—	1	10	10	2.8	1.2	79	Cloudy.
11	1012.8	1018.6	88.0	81.4	91	81	0.3	1.5	16.3	8.8	97	80	—	1	—	0	8	0	—	8.1	83	Very fine.
12	1023.0	1022.3	87.4	85.8	90	79	2.7	1.1	11.5	12.9	71	87	—	1	—	0	9	10	0.9	3.8	75	Fine a, then overcast.
13	1016.9	1019.3	88.3	87.3	94	85	1.1	1.7	15.3	13.2	88	81	—	1	—	0	10	10	1.4	1.0	83	Cloudy.
14	1017.2	1019.3	90.8	90.7	95	86	0.7	0.7	18.6	18.3	93	92	—	1	—	1	10	10	—	—	84	Overcast.
15	1018.6	1017.9	91.2	91.7	96	90	1.0	1.5	18.6	18.3	89	85	—	1	—	1	10	7	—	0.7	80	Cloudy and very close.
16	1019.6	1024.0	90.5	85.0	92	85	0.9	0.9	18.0	12.6	90	89	—	1	—	1	10	0	0.4	—	84	Overcast till 19h.
17	1025.4	1027.1	89.3	86.6	92	81	2.0	0.8	14.6	13.9	79	90	—	1	—	0	7	8	—	10.1	76	Very fine.
18	1026.7	1025.0	88.0	85.1	92	84	2.8	2.0	11.9	10.9	71	76	4	2	—	1	0	0	—	13.0	79	Very fine.
19	1023.3	1021.6	88.7	85.6	93	84	3.0	2.2	12.2	10.9	70	75	—	1	14	2	0	0	—	12.6	72	Very fine.
20	1020.6	1019.3	90.4	89.9	96	80	2.8	2.2	14.2	14.9	72	78	—	1	20	2	3	10	5.2	8.2	75	Very fine.
21	1014.5	1009.1	89.1	90.1	92	88	0.4	0.4	17.3	18.3	95	95	18	3	20	3	10	10	6.5	—	87	Overcast with showers.
22	1008.1	1006.7	88.6	85.1	91	85	2.4	1.9	13.2	10.9	75	78	20	4	20	3	7	10	—	3.0	84	Fine a, then cloudy.
23	1007.1	1007.1	87.8	83.4	89	82	2.7	1.5	11.9	10.2	71	82	22	2	20	4	8	10	4.9	4.0	80	Fine a, showers p.
24	1013.8	1018.6	88.9	83.7	92	82	2.8	1.1	12.9	11.2	72	87	—	1	—	1	8	9	—	5.7	81	Fine.
25	1019.6	1023.3	88.4	86.9	95	82	2.1	2.0	13.6	12.2	78	77	20	3	—	1	9	0	—	10.8	79	Fine.
26	1026.4	1027.1	87.2	86.4	95	81	0.7	1.9	14.9	11.9	92	78	—	1	—	0	8	0	—	7.5	76	≡ ⁰ early a. Fine.
27	1027.1	1022.3	89.1	84.9	94	84	1.3	1.0	15.6	12.2	86	88	—	1	—	1	10	0	—	8.5	78	Fine.
28	1019.6	1016.2	89.4	85.6	95	80	2.2	0.9	14.2	12.9	77	89	—	0	—	0	0	2	—	9.4	75	Fine.
29	1011.5	1008.4	86.8	85.7	92	85	0.6	0.6	14.6	13.6	93	94	—	1	—	1	10	8	—	1.7	78	Cloudy. T 13 h. 45m.
30	1010.5	1015.5	87.9	82.2	89	82	0.6	1.1	15.6	9.8	94	86	—	1	—	0	10	0	—	—	81	Overcast till 20 h.
31	1017.2	1018.3	87.9	85.2	91	78	2.9	1.1	11.9	12.2	69	86	—	1	—	0	7	10	—	5.8	73	Fine.
Mean	1018.5	1018.6	88.5	85.9	92.4	82.5	1.9	1.4	14.1	13.0	81	84	1.3	0.9	7.6	5.9	24.5	5.04	79.2			
Mean Bar-ometer at Station Level.	1011.1	1011.2																				

DUBLIN (PHENIX PARK), a.—AUGUST 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H₀=48.5 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1025.0	1026.7	89.9	82.9	92	81	2.0	0.5	15.3	11.5	80	94	4	2	—	0	0	—	3.3	79	Fine, but cloudy.	
2	1026.4	1026.4	91.6	87.6	95	78	3.0	1.1	14.9	14.2	70	87	—	0	—	1	0	—	11.0	76	Beautiful day.	
3	1025.7	1024.0	91.7	88.5	96	86	2.1	1.3	17.0	14.9	80	86	6	2	—	1	10	2	—	1.3	84	Cloudy.
4	1022.7	1023.3	88.7	80.6	91	80	1.9	0.6	14.2	9.5	80	92	2	5	—	1	8	0	—	9.2	77	Beautiful day.
5	1021.6	1018.9	86.5	83.9	n 89	77	3.1	1.5	10.5	10.5	67	81	32	2	—	1	8	5	—	1.7	n 75	Cloudy.
6	1020.3	1020.3	87.9	85.1	91	79	4.2	2.1	9.8	10.5	59	76	30	3	—	1	4	8	—	5.9	76	Fine, but cloudy.
7	1019.6	1018.3	87.3	84.0	91	80	3.5	1.2	10.5	11.2	64	85	24	2	—	0	6	8	—	4.2	77	Fine, but cloudy.
8	1016.2	1013.8	87.3	84.1	91	80	3.6	0.6	10.2	12.2	63	92	24	2	—	1	6	3	0.4	4.5	77	☉ showers 15 h.-17 h.
9	1009.8	1010.8	87.3	83.4	90	83	1.6	0.5	13.2	11.9	82	94	26	3	—	0	8	4	4.3	3.5	80	Cloudy. ☉ showers p.
10	1012.1	1010.8	88.7	86.8	91	83	3.4	0.5	11.9	14.9	67	94	20	2	—	0	8	10	6.9	1.9	81	Cloudy. ☉ showers p.
11	1012.1	1018.6	89.3	85.7	91	85	2.0	2.6	14.6	10.5	79	72	26	3	—	0	7	2	—	1.7	85	Cloudy.
12	1023.3	1024.3	87.7	86.3	91	78	3.6	2.0	10.5	11.9	64	77	30	3	24	3	3	10	0.3	7.5	76	Bright a. Cloudy p.
13	1018.6	1019.6	88.5	88.9	94	85	0.6	1.9	16.3	14.2	94	80	24	5	26	2	10	10	0.4	1.5	85	Cloudy.
14	1018.9	1020.6	91.4	93.1	x 97	87	0.7	1.3	19.3	20.3	92	87	24	3	—	1	10	10	—	3.8	86	Cloudy.
15	1020.3	1018.9	92.3	91.4	x 90	90	1.5	0.7	18.6	19.3	84	92	—	1	—	1	10	10	0.9	1.2	89	☉ showers 13 h.-14 h. 30 m.
16	1020.3	1023.7	89.1	88.9	x 97	87	1.1	1.0	15.9	16.3	88	90	24	2	2	2	8	10	0.4	8.0	84	Bright till 16 h. ☉ showers [17 h.]
17	1025.4	1025.7	90.1	88.5	92	82	3.7	1.5	12.6	14.6	65	84	32	3	4	2	4	10	—	10.0	79	Beautiful day.
18	1026.0	1025.4	89.0	87.0	90	79	2.8	0.5	12.9	8.8	72	93	6	3	—	0	10	0	—	8.2	85	Fine and bright.
19	1023.7	1023.0	87.9	87.6	90	n 76	2.6	0.4	12.2	9.2	73	94	8	2	—	0	4	0	—	11.0	n 75	Beautiful day.
20	1022.0	1021.3	90.0	87.8	96	77	1.5	1.1	14.6	14.6	75	87	24	2	—	0	1	7	—	9.2	n 75	Beautiful day.
21	1017.9	1012.1	90.7	91.3	95	87	1.8	1.3	16.3	18.0	82	86	20	5	20	6	10	10	2.5	0.1	85	Overcast. ☉ p.
22	1011.1	1008.8	87.8	84.6	91	85	1.6	0.5	13.6	12.6	81	93	22	3	22	3	10	10	1.9	—	85	Overcast.
23	1009.8	1010.8	87.1	85.0	91	82	2.4	1.8	11.9	11.2	74	78	22	4	22	4	6	10	0.8	8.1	78	Bright a. ☉ showers p.
24	1015.2	1020.6	88.4	84.2	91	84	2.8	0.6	12.2	12.2	70	92	26	4	—	1	6	0	—	6.7	82	Fine.
25	1021.6	1024.3	90.1	86.1	95	77	3.7	0.9	12.6	13.6	65	89	22	3	—	1	1	1	—	12.5	n 75	Beautiful day.
26	1026.0	1027.4	91.3	83.0	92	80	2.9	0.3	14.9	11.9	71	97	—	1	—	0	3	0	—	3.1	77	Cloudy.
27	1027.4	1024.7	87.6	82.8	94	79	0.8	0.3	14.9	11.5	90	95	—	0	—	0	8	0	—	6.8	77	Fine.
28	1019.9	1015.5	89.0	82.1	94	80	2.7	0.6	13.2	10.9	73	93	—	0	—	0	0	0	—	10.8	77	Beautiful day.
29	1011.5	1009.1	87.2	87.8	93	80	0.6	0.4	14.9	15.9	93	96	—	0	—	0	10	10	—	4.2	79	Fine, but cloudy.
30	1010.1	1015.5	88.1	85.9	90	86	0.8	1.7	15.6	11.9	91	81	—	1	28	2	10	10	—	—	85	Overcast.
31	1017.2	1018.6	88.2	84.5	92	80	3.1	0.4	11.5	12.9	68	94	30	2	—	0	1	8	—	8.0	77	Fine and bright.
Mean	1019.3	1019.4	89.0	85.6	92.6	81.7	2.3	1.0	13.8	13.0	76	88	2.4	1.1	6.2	5.6	18.8	5.45	79.9			
Mean Barometer at Station Level.	1013.5	1013.5																				

* Metres per second.

α denotes the highest and α the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON, 1913.

* Metres per second.

x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON.
September 26th, 1913.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNES, ORKNEY, a.b.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H=48.8 m.; Barometer, H₀=49.7 m. Heights above Ground:—Therms., h₁=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

FORT WILLIAM, INVERNESS-SHIRE, a.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Rain Gauge, 4 1/2 in. Dia. 5 1/2 in. Long. 5 1/2 in. Time, Greenwich mean time.																				
Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.				
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
millibar.		200 +	200 +	200 +	200 +	millibar.						%		Tenths of Sky covered.		mm.	hr.	200 +		
1	1021.3	1023.0	84.0	83.2	88	81	0.1	0.4	9.8	8.8	75	72	4	4	4	4	10	10	—	Dull and chilly.
2	1024.0	1024.3	85.1	82.4	90	79	3.8	1.8	8.5	9.2	60	77	4	4	4	3	1	1	—	Fine, clear, and sunny.
3	1026.0	1025.7	83.6	83.6	91	77	2.4	1.1	9.2	11.2	73	87	12	2	8	1	10	6	—	Fine, clear, and sunny.
4	1026.0	1025.7	89.8	84.9	94	81	4.3	2.9	11.2	9.5	60	68	Calm	0	Calm	0	0	0	—	Very fine with bright sunshine.
5	1026.0	1029.1	88.2	84.1	93	80	3.8	2.6	10.9	9.2	63	71	Calm	0	20	1	0	1	—	Very fine with bright sunshine.
6	1032.5	1033.2	87.4	82.4	91	80	3.3	1.4	10.9	9.8	66	82	6	2	Calm	0	7	0	—	Very fine with bright sunshine.
7	1033.2	1028.7	82.4	83.6	91	75	1.6	1.6	9.5	10.2	79	81	Calm	0	Calm	0	7	0	—	Very fine with bright sunshine.
8	1024.7	1023.7	85.9	84.3	91	84	0.1	1.1	14.6	11.5	99	87	20	3	16	2	10	100	1.0	Very fine with bright sunshine.
9	1024.0	1026.4	84.0	83.7	90	76	2.1	1.8	9.8	10.2	75	79	8	1	Calm	0	4	7	—	☉ and ☽ early; fair generally.
10	1027.1	1022.0	84.8	85.2	86	81	1.6	0.6	11.2	12.9	81	92	Calm	0	Calm	0	10	10	1.5	Generally fine; cloudy p. Dull a.; ☉ and ☽ p.
11	1019.3	1005.4	85.3	86.3	87	84	0.6	0.6	13.2	14.2	92	94	20	3	20	5	100	100	27.4	Dull with ☉ and ☽.
12	996.9	1000.6	81.4	80.6	86	80	0.4	0.9	11.9	9.2	95	88	20	4	16	2	100	100	4	☉ a. Showery p.
13	1001.3	1000.6	80.8	80.1	85	77	1.1	1.1	9.2	8.5	86	85	Calm	0	4	4	10	100	9.1	Dull but fair till 16 h., then ☉.
14	993.9	993.9	82.4	85.7	87	79	1.2	3.2	10.2	9.8	86	66	32	5	32	2	10	8	8.6	Dull & showery, ☉ in afternoon.
15	1000.6	1005.7	86.5	81.5	87	81	3.0	0.7	10.5	9.8	69	91	4	3	8	2	9	3	—	Fresh ☉ on B.
16	1006.7	1005.7	81.0	84.6	85	77	0.4	1.0	10.2	11.9	95	87	4	1	4	3	100	90	4.3	Bleak and showery. [waning].
17	1008.1	1010.5	86.2	83.0	89	83	1.5	0.7	12.6	11.2	83	91	4	3	4	4	10	10	—	Generally fine and sunny.
18	1012.1	1012.5	83.4	83.8	87	80	1.0	0.5	11.2	12.2	88	94	Calm	0	Calm	0	10	100	—	Fair, cloudy, ☉.
19	1012.1	1012.5	84.1	84.8	89	82	1.1	1.2	11.5	11.5	87	85	Calm	0	Calm	0	100	100	—	Fair, cloudy, ☉.
20	1014.9	1016.9	83.0	85.2	90	80	0.8	0.6	10.9	12.9	90	93	Calm	0	Calm	0	100	100	—	Generally fine and sunny; ☉.
21	1019.6	1022.3	86.2	84.2	87	84	1.1	0.2	13.2	12.9	87	97	20	2	Calm	0	900	500	0.3	Intermittent sunshine, slight ☉.
22	1019.6	1014.5	81.8	86.9	90	80	0.1	3.1	11.2	10.5	99	67	Calm	0	16	3	800	800	0.5	Fine, with sunny intervals.
23	1008.8	1007.8	87.9	88.0	89	87	3.7	2.7	10.9	12.2	63	72	14	8	12	2	10	100	0.3	S.E. ☉ early, moderating.
24	1005.4	1004.7	90.1	91.4	89	85	3.2	3.5	13.2	13.9	68	66	16	1	20	5	1000	8	1.5	Fine. Squally at times. [waning].
25	1005.7	1008.4	88.0	85.8	82	86	0.6	0.6	15.9	13.6	94	93	20	3	Calm	0	1000	10	6.1	Showerly. Squally p.
26	1012.5	1013.2	86.8	85.7	89	84	0.5	1.2	14.9	12.6	94	87	20	3	Calm	0	1000	8	—	Generally fine and sunny.
27	1012.8	1012.1	86.4	87.9	92	84	1.1	0.5	13.2	15.9	87	95	Calm	0	Calm	0	900	10	4.1	Fine a. ☉ p.
28	1013.5	1017.9	88.0	84.6	94	85	0.6	1.2	15.9	11.5	94	86	Calm	0	Calm	0	600	000	—	Sultry but fine and fair.
29	1020.3	1021.6	83.1	84.7	90	80	0.7	0.6	11.2	12.6	92	92	12	1	4	3	0	000	—	Fine and sunny, mostly cloudy.
30	1022.3	1022.7	82.9	81.9	92	79	1.0	0.9	10.5	9.8	87	88	Calm	0	Calm	0	1	000	—	Very fine and sunny. (less ☉.)
Mean	1015.7	1015.7	85.1	84.5	89.6	81.0	1.6	1.4	11.5	11.3	82	84	1.8	—	7.5	6.6	68.3			
Mean Bar- ometer at Station Level.	1014.3	1014.3																		

DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

1	1018.9	1019.6	85.8	85.2	87	84	1.1	1.1	12.9	12.2	87	86	4	5	4	5	10	10	—	0.5	83	Dull and squally.
2	1021.0	1022.3	84.7	86.5	87	84	1.0	1.4	11.9	12.9	87	84	4	3	10	4	10	10	—	—	83	Dull and overcast.
3	1023.0	1023.0	87.4	87.4	90	85	2.4	0.4	12.2	15.6	74	94	10	3	8	5	4	4	—	9.0	84	Very fine.
4	1023.3	1022.3	88.6	86.9	90	86	2.0	0.5	13.9	14.9	79	94	8	4	6	3	5	0	—	4.6	85	Fine a. Dull afternoon.
5	1023.3	1027.1	88.0	85.5	90	86	2.4	0.2	12.6	14.2	74	97	8	3	6	2	8	0	—	2.7	85	Cloudy and squally.
6	1030.4	1031.5	87.2	85.8	90	85	1.6	0.5	13.2	13.9	82	94	12	2	6	2	8	0	—	1.3	83	Dull and cloudy.
7	1032.8	1031.1	87.1	80.8	89	81	2.2	0.3	12.2	10.2	76	97	12	2	28	1	3	0	—	9.2	83	Very fine till 11 h. and from 15 h.
8	1029.1	1025.4	86.3	87.4	89	80	0.5	0.1	14.2	16.3	93	99	20	1	24	2	10	8	0.3	0.1	77	☉ a. Dull and overcast.
9	1023.0	1026.4	84.8	84.6	89	84	0.1	0.5	13.6	12.9	99	94	10	1	30	2	100≡0	8	—	5.5	84	Overcast a. Fine afternoon.
10	1028.4	1024.7	86.2	87.4	90	83	1.6	0.4	12.2	15.6	82	94	30	2	24	2	4	8	0.3	7.2	81	Fine.
11	1020.6	1011.8	86.9	86.3	89	84	1.1	0.0	13.9	15.3	87	100	24	2	24	2	4	8	—	9.4	83	☉ early a. Very fine.
12	1003.3	1002.7	87.7	83.0	90	83	0.0	0.0	16.6	12.2	100	100	20	5	20	1	10	100	13.4	1.8	85	Cloudy, then ☉ showers.
13	997.9	992.2	82.6	83.9	84	83	0.2	0.3	11.5	12.6	98	96	2	4	4	5	100	8	15.2	—	81	Squally, with ☉ showers.
14	986.8	989.8	85.8	84.7	87	83	0.5	1.1	13.9	11.9	94	86	8	5	14	7	100	8	8.3	1.2	81	Squally, with ☉ showers.
15	997.6	1003.7	85.8	84.7	89	84	1.1	0.8	12.9	12.2	87	90	12	4	14	2	4	8	1.5	9.7	81	Very fine. ☉ 18 h.-19 h.
16	1004.7	1004.7	86.3	84.1	89	84	1.7	1.7	12.2	10.5	80	80	10	2	4	1	7	0	—	7.5	82	Very fine. Cloudy 15 h.-17 h.
17	1006.7	1010.1	86.3	83.6	90	81	1.4	1.2	12.6	10.9	83	86	24	1	26	1	0	0	—	10.6	79	☉ a. Very fine.
18	1012.5	1013.8	87.3	84.1	89	81	1.9	0.5	12.9	12.2	79	93	12	1	30	1	0	0	—	9.6	78	☉ a. Very fine.
19	1012.8	1010.5	86.3	86.0	89	82	0.5	1.3	14.2	12.6	93	85	14	2	6	2	10	10	1.2	0.5	80	☉ a. Dull and overcast.
20	1012.5	1017.6	86.4	85.8	89	85	1.0	1.2	13.6	12.6	88	86	4	2	30	1	10	10	—	0.3	84	Dull and overcast.
21	1021.3	1023.3	87.4	84.8	89	82	1.9	0.7	12.9	12.6	79	92	28	1	26	1	3	100	—	7.0	80	☉ a. Very fine. Cloudy at times.
22	1020.3	1015.2	86.1	85.3	87	83	1.0	0.4	13.2	13.2	89	94	12	1	12	4	10	100	18.2	—	82	☉ a. Overcast. ☉ from 11 h.
23	1010.8	1008.1	86.0	86.9	87	85	0.1	0.3	14.6	15.3	98	97	12	5	14	3	100	10	12.4	—	85	Squally, with ☉.
24	1007.4	1008.4	87.5	88.0	90	86	1.0	1.1	14.6	14.9	98	88	10	4	10	2	6	0	0.4	4.1	85	Fine a. Dull afternoon.
25	1009.8	1012.5	87.0	86.9	89	86	0.4	0.5	15.3	14.9	96	94	12	3	16	2	10	100	1.8	—	85	☉ showers.
26	1015.5	1014.9	87.4	86.5	89	86	0.4	0.1	15.3	15.3	94	99	20	1	10	1	8	100	2.9	1.2	86	Cloudy to overcast.
27	1013.2	1012.5	88.1	90.8	89	86	0.0	1.7	17.0	16.6	100	82	10	1	6	1	100≡	4	—	1.9	86	☉ till noon.
28	1013.8	1017.2	87.5	89.0	89	86	1.2	1.0	14.2	15.9	86	89	10	3	8	2	10	4	—	5.0	85	Fine.
29	1019.6	1019.3	86.0	86.4	90	84	0.2	0.6	14.6	14.2	98	92	6	2	8	2	100≡0	0.4	—	8.2	84	Very fine from 10 h.
30	1019.3	1018.9	87.2	86.3	90	84	2.2	1.4	12.2	12.6	76	83	8	4	6	3	3	0.4	—	9.8	82	Very fine. Squally.
Mean	1015.3	1015.3	86.6	85.9	89.1	84.0	1.1	0.7	13.6	13.6	88	92	2.6	—	2.4	7.2	5.6	75.9	4.26	82.7		
Mean Bar-ometer at Station Level.	1004.9	1004.9																				
+ Beaufort Scale (0—12).																						

† Beaufort Scale (0-12).

x denotes the highest and n the lowest of the values in the column.

SHREWSBURY, SHROPSHIRE.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H_b=64.7 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.			Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per
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ARMAGH, a.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H = 59.8 m.; Barometer, H_b = 61.6 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ing 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200 +	200 +	200 +	200 +	millibar.						%	%	*	*	Tenths of Sky covered.		mm.	hr.	°	
1	1019.3	1019.9	86.3	83.4	91	84	1.2	1.1	12.9	10.9	85	88	—	1	—	1	10	9	—	4.5	74	Fine.
2	1021.3	1022.0	86.2	83.5	88	83	2.7	1.4	10.5	10.5	70	83	6	2	—	1	1	10	—	4.5	87	Fine.
3	1023.0	1022.7	86.3	82.3	90	82	2.1	1.4	11.9	9.5	77	81	6	2	—	1	9	7	—	4.8	80	Fine.
4	1022.7	1021.6	86.3	87.3	90	81	1.2	1.7	13.2	13.2	86	81	6	2	—	1	10	10	—	0.4	75	Overcast most of day.
5	1023.7	1026.4	85.7	84.7	90	85	1.7	1.1	11.9	11.9	81	86	6	2	—	1	10	7	—	0.2	79	Overcast most of day.
6	1030.4	1032.1	88.5	83.1	92	81	2.5	0.8	12.9	11.2	74	90	—	1	—	0	0	9	—	8.0	76	Fine.
7	1032.1	1030.1	88.2	83.9	91	82	2.3	2.0	12.9	9.8	75	77	—	0	16	2	3	3	—	3.8	76	Cloudy.
8	1027.7	1025.7	87.0	86.3	91	82	2.1	1.2	12.2	12.9	77	85	—	1	—	0	10	10	3.1	0.2	80	Overcast.
9	1021.6	1028.4	86.1	81.0	88	81	0.3	1.1	14.6	9.2	96	86	—	0	—	0	10	0	0.3	3.5	84	≡ a. Fine from 14 h. 30 m.
10	1029.4	1025.7	86.9	86.2	90	80	1.8	0.4	12.6	14.2	80	95	—	1	—	1	10	0	0.5	1.5	74	Fine a, then cloudy.
11	1019.6	1009.4	85.5	87.2	93	82	0.8	2.8	12.9	11.2	90	71	20	2	20	2	10	7	3.8	6.8	80	Fine.
12	1001.7	1001.7	85.0	82.0	89	82	0.4	1.7	13.2	9.2	95	79	—	1	—	1	10	10	0.5	0.2	83	● 7 h.-9 h. Overcast.
13	999.3	996.2	83.8	80.9	86	80	1.5	0.8	10.5	9.5	82	91	—	0	—	1	10	10	42.4	0.2	77	Overcast.
14	985.4	984.7	84.5	82.1	88	80	0.2	0.4	13.2	10.9	99	95	2	2	—	0	100	9	16.4	1.7	79	● a. K 11 h. and 15 h.-16 h.
15	994.2	1003.0	85.5	83.0	89	82	1.8	1.5	11.2	10.2	78	82	12	4	—	1	9	8	0.5	7.9	78	Fine.
16	1005.0	1005.4	86.2	79.7	89	80	1.0	0.5	13.2	9.2	88	94	—	0	—	0	8	0	0.3	2.8	75	Fine a., then cloudy.
17	1008.1	1010.1	82.3	81.0	89	76	0.1	0.5	11.5	10.2	99	95	—	0	—	0	10	0	0.4	5.8	71	≡ early a. Clear from 11 h.
18	1012.5	1011.8	82.3	85.2	91	78	0.4	2.0	11.2	10.9	95	76	—	0	—	1	0	0	8.3	7.3	73	≡ early a. Very fine.
19	1009.8	1011.8	86.3	83.1	87	83	1.6	0.2	12.6	11.9	81	98	14	2	—	0	10	10	19.7	—	77	● from 10 h.
20	1014.9	1018.6	84.1	82.3	88	82	0.1	0.7	12.9	10.5	99	91	—	0	—	0	10	10	—	0.2	81	Overcast.
21	1021.6	1022.7	86.8	83.8	90	81	2.1	1.2	11.9	11.2	76	86	—	0	—	0	9	9	1.5	3.8	77	Cloudy.
22	1017.2	1008.8	85.1	85.0	87	80	0.6	0.7	12.9	12.9	93	91	—	1	14	6	10	10	5.4	—	76	● showers.
23	1006.7	1005.7	83.3	85.2	91	85	1.2	0.7	14.9	12.9	87	90	16	2	—	1	10	10	—	1.0	83	Cloudy.
24	1002.3	1004.0	88.6	88.2	92	83	2.3	3.9	13.6	10.5	76	62	14	8	—	1	10	10	—	—	77	Overcast a. Fine p.
25	1005.7	1010.1	88.5	88.0	91	87	1.2	0.8	15.3	15.3	88	91	14	4	—	1	10	10	1.5	3.5	77	Overcast a. ● showers from 13 h.
26	1014.2	1011.8	88.7	86.2	91	86	1.4	0.8	14.9	13.6	85	91	18	2	18	2	10	10	7.5	0.8	86	Cloudy. ● showers from 13 h.
27	1010.8	1010.8	87.3	88.6	91	85	0.2	2.5	15.6	15.9	97	91	12	2	—	1	10	10	1.2	—	80	Fine a., then cloudy.
28	1011.5	1016.9	89.5	84.9	93	85	1.7	0.9	15.3	12.2	83	90	—	1	—	0	4	2	—	4.3	81	Overcast.
29	1019.3	1018.6	87.4	83.5	91	82	0.2	0.5	15.9	11.9	97	94	—	0	4	2	10	2	0.2	4.1	77	≡ early a.
30	1018.9	1018.9	86.6	84.0	91	83	0.9	0.9	13.9	11.5	89	88	4	2	—	1	9	10	—	5.1	76	Fine.
Mean	1014.3	1014.5	86.3	84.2	90.0	82.1	1.3	1.2	13.1	11.5	86	87	—	1.5	1.1	—	8.4	6.7	105.4	3.05	78.6	
Mean Bar- ometer at Station Level.	1006.9	1007.1																				

DUBLIN (PHOENIX PARK), a.—SEPTEMBER 1913.

Heights above Mean Sea Level:—Station, H = 47.3 m.; Barometer, H_b = 48.5 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1019.3	1020.3	87.3	84.5	90	84	2.1	0.6	12.6	12.6	77	93	4	2	—	1	10	6	0.1	4.2	83	Cloudy.	
2	1020.6	1021.6	85.5	86.2	88	84	1.3	1.1	12.2	13.2	84	87	4	3	—	1	10	10	—	—	82	☉ 6 h.-7 h. 30 m. Overcast.	
3	1022.3	1022.3	87.1	80.2	90	80	2.2	0.4	12.2	9.5	75	95	6	3	—	0	10	0	—	5.9	85	Fine.	
4	1022.0	1020.3	86.9	87.8	89	79	1.5	1.3	13.2	14.2	83	86	6	4	—	6	3	10	8	—	0.1	77	Overcast.
5	1022.0	1025.0	88.8	88.3	89	87	2.4	1.5	13.2	14.6	75	84	6	5	—	6	3	7	10	—	0.7	85	Cloudy.
6	1029.4	1031.1	87.6	83.8	91	82	1.4	0.6	13.9	11.9	84	93	6	3	—	1	10	3	—	4.8	84	Fine.	
7	1031.6	1030.8	89.1	78.4	91	78	2.9	0.3	12.9	8.5	71	95	8	3	—	0	4	0	—	7.7	81	Fine.	
8	1029.4	1026.4	87.8	88.7	92	77	2.1	0.8	12.9	16.3	76	92	—	0	22	2	10	8	2.8	0.7	74	Cloudy. ☉ showers 23 h. Dull.	
9	1022.0	1027.7	88.6	82.9	92	81	0.1	1.2	17.3	10.2	99	85	22	3	32	3	100	1	1.0	0.2	86	☉ 5 h.-9 h. ☉ 9 h.-11 h. Dull.	
10	1030.4	1026.7	86.5	87.6	91	78	2.0	0.7	11.9	15.3	77	91	28	3	22	2	4	10	—	4.1	74	Cloudy.	
11	1021.3	1012.8	89.3	87.3	95	85	2.5	1.7	13.6	13.2	74	81	22	4	22	3	4	5	—	10.1	83	Beautiful day.	
12	1002.3	1002.0	91.5	83.1	92	83	4.1	0.3	13.2	11.9	62	97	20	8	—	0	7	100	15.2	2.6	84	☉ showers a. and p.	
13	998.9	995.9	82.8	80.8	84	80	0.5	0.6	11.2	9.8	94	93	—	1	30	2	100	100	20.1	—	81	☉ all day. ☉ from 21 h.	
14	984.7	985.7	84.8	78.4	86	78	1.3	0.3	11.5	8.5	84	95	—	1	—	0	10	3	—	4.3	80	☉ till 6 h. Cloudy.	
15	993.5	1001.3	85.7	85.0	88	77	2.0	1.4	11.2	11.5	76	82	12	3	—	1	8	3	1.0	—	6.7	76	☉ showers a. and p.
16	1003.7	1004.7	87.7	78.4	90	77	2.6	0.3	11.9	8.5	72	95	6	4	—	0	4	2	—	8.4	75	Beautiful day.	
17	1007.4	1009.8	82.6	78.9	89	74	0.5	0.4	11.2	8.8	93	94	—	1	—	0	10	3	—	3.8	72	Cloudy.	
18	1012.8	1012.8	82.3	79.2	90	76	0.2	0.2	11.5	9.2	97	97	—	1	—	0	0	0	0.8	5.1	75	Fine.	
19	1010.5	1011.1	86.2	83.7	87	76	0.6	0.5	13.9	12.2	92	94	—	1	26	3	100	100	34.0	—	75	☉ till 19 h.	
20	1014.9	1019.6	83.0	82.5	89	81	0.2	0.5	11.9	10.9	98	93	24	2	—	1	100	8	0.6	0.8	82	Dull.	
21	1022.7	1024.0	87.6	82.0	89	80	2.8	0.6	11.5	10.5	70	93	—	1	—	0	3	10	2.5	3.1	77	Cloudy.	
22	1017.9	1009.8	85.7	85.8	88	80	0.4	0.5	13.9	13.9	95	94	—	1	10	5	10	10	23.6	—	78	☉ most of day.	
23	1007.4	1007.1	88.4	82.7	90	82	0.9	0.4	15.6	11.2	91	94	—	0	—	0	10	0	—	0.1	84	Overcast.	
24	1003.7	1006.1	90.3	89.5	93	82	3.1	2.0	13.6	14.9	69	79	16	7	14	3	9	7	—	1.6	80	Cloudy.	
25	1006.4	1010.8	80.6	88.4	92	88	1.7	1.4	15.6	14.6	82	85	14	4	20	4	10	4	—	—	86	Overcast.	
26	1015.2	1013.5	88.3	85.9	91	81	1.3	0.8	14.6	13.6	86	91	—	1	—	1	8	3	1.8	0.4	78	Dull. ☉ showers 17 h.-21 h. Overcast.	
27	1010.8	1010.5	88.3	88.3	91	85	0.2	0.4	17.0	10.6	98	96	10	2	8	2	100	10	0.4	—	82	☉ 9 h.-10 h. 30 m.	
28	1011.5	1016.6	91.0	83.0	93	83	2.0	0.2	16.3	11.9	79	98	—	0	—	0	7	0	—	4.8	82	Cloudy.	
29	1018.3	1017.6	87.1	84.3	90	81	0.3	0.1	15.6	13.2	97	98	6	2	—	0	10	10	—	5.4	80	Cloudy.	
30	1017.9	1017.6	86.3	86.5	88	84	1.2	0.9	12.9	13.6	85	89	8	5	6	4	8	0	—	2.7	80	Cloudy.	
Mean	1014.4	1014.7	87.1	84.1	90.0	80.8	1.5	0.7	13.3	12.2	83	91	2.6		1.5		8.1	5.5	103.9	2.94	80.0		
Mean Bar- ometer at Station Level.	1008.5	1008.8																					

* Metres per second.

☉ denotes the highest and ☉ the lowest of the day.

METEOROLOGICAL OFFICE, LONDON,
1st January 1913.

* Metres per second.

x denotes the highest and n the lowest of the values in the column.

METEOROLOGICAL OFFICE, LONDON,
27th October, 1913.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1913.

DEERNES, ORKNEY, a.b.—OCTOBER 1913.

Heights above Mean Sea Level:—Station, H = 48.8 m.; Barometer, H_b = 49.7 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8 = E, 16 = S) and Force (0-12) or Velocity (metres per second.)				Cloud Amount and Weather.		Rain 24 hours begin- ing 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		Wind Direction in Points (8 = E, 16 = S) and Force (0-12) or Velocity (metres per second.)		9 h.	21 h.	9 h.	21 h.	Tenths of Sky covered.		mm.	hr.
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		200 +	200 +	200 +	200 +															200 +	
1	1025.4	1022.3	83.9	84.5	86	83	1.8	1.4	10.2	11.2	78	83	12	4	12	4	8	10	—	—	2.5	Fine.
2	1025.3	1022.3	83.9	84.5	86	83	1.8	1.4	10.2	11.2	78	83	12	4	12	4	8	10	—	—	2.5	Very fine all day.
3	1016.6	1014.2	84.5	83.4	86	84	1.9	1.3	10.9	11.2	77	85	12	3	10	4	8	8	—	—	2.8	Fine all day.
4	1011.8	1012.1	83.8	81.7	85	81	1.5	1.5	10.5	9.2	83	82	6	5	4	7	10	9	2	3.6	1.9	Fine a. ☉ showers 17 h.-19 h.
5	1013.8	1016.9	80.6	80.7	83	80	1.5	2.5	8.5	7.5	81	70	4	9	4	9	6	3	2.1	5.4	—	A few ☉ showers 17 h.-19 h.
6	1017.2	1016.9	82.8	79.5	84	79	2.7	1.7	8.5	7.5	70	78	4	6	—	1	4	2	1.6	4.5	—	A few ☉ showers a.
7	1012.1	1006.7	82.2	80.6	84	80	1.6	1.1	9.2	8.8	79	85	8	4	8	5	5	3	1.6	5.9	—	Starry bright p.
8	1006.7	1009.8	81.2	81.3	84	80	2.2	1.2	8.5	9.2	73	84	6	6	4	7	6	8	0.8	6.0	—	Sunny a. A few ☉ showers.
9	1013.8	1019.6	82.1	80.6	83	79	1.8	2.8	8.2	6.8	77	67	2	7	4	4	7	9	—	—	3.2	A few ☉ showers a.
10	1021.0	1020.6	82.1	82.9	84	80	3.1	1.2	7.5	10.2	64	85	8	5	14	10	10	7	—	—	1.7	Fine a.
11	1019.3	1020.3	83.1	82.8	84	81	2.0	1.4	9.5	9.8	77	83	12	12	12	11	5	10	—	—	1.1	Fine a. Dull p. Breezy.
12	1020.6	1021.3	83.9	84.1	85	82	0.5	0.2	12.2	12.9	93	97	12	10	14	9	5	2	—	—	0.3	Breezy.
13	1018.8	1013.5	85.0	86.0	86	84	0.7	0.6	12.9	13.9	92	93	14	11	16	9	10	10	10.7	0.5	—	☉ 9 h.-10 h. ☉ p.
14	1018.9	1019.4	84.5	83.3	86	83	0.0	0.4	13.6	11.9	100	95	14	3	22	6	6	10	1.5	2.9	—	☉ till 9 h. and 11 h.-15 h.
15	1016.6	1009.9	81.0	81.5	84	81	0.4	0.4	10.2	10.5	94	94	30	7	24	4	9	10	1.0	1.9	—	☉ showers. Fair after 15 h.
16	1018.6	1011.1	83.4	85.0	85	81	1.3	0.7	10.5	12.9	84	92	18	10	18	7	9	8	—	—	3.4	Fine, bright, and breezy.
17	1007.8	1007.8	86.7	86.1	88	85	1.4	1.1	13.2	13.2	84	87	16	7	18	5	5	8	—	—	—	Fair and mild.
18	1007.4	1005.0	85.6	85.6	86	85	0.6	1.0	13.6	12.9	93	88	22	2	20	7	9	9	0.6	—	—	Drizzle at times a. and p. ☐
19	1002.0	993.5	85.1	85.2	86	83	0.1	0.5	13.9	13.2	98	94	12	6	14	14	10	6	0.5	1.1	—	☉ 8 h. 30 m.-11 h.
20	991.2	1002.3	84.9	80.8	86	80	0.9	1.5	12.2	8.5	90	82	14	12	18	5	2	5	3.3	3.5	—	Fine.
21	989.1	990.5	83.7	80.0	84	80	0.9	1.2	11.5	8.2	89	85	14	11	18	11	1	1	0.5	5.1	—	Fine and breezy a.
22	992.8	1012.5	81.2	77.2	83	77	0.2	1.0	10.5	7.1	98	82	20	8	28	12	7	8	1.3	2.2	—	☉ showers a. and p.
23	1017.6	1009.3	74.5	78.1	80	73	1.1	0.6	5.4	8.2	79	92	28	10	26	3	2	8	1.0	4.7	—	☉ showers all past n.
24	1008.1	1017.3	79.5	81.7	82	76	0.5	0.6	9.2	10.2	93	92	18	12	24	3	10	10	11.4	1.8	—	☉ 8 h.-12 h.
25	1011.5	1010.5	80.6	81.4	82	81	0.8	0.1	9.2	10.9	89	98	22	4	—	1	10	10	1.8	—	—	Drizzle a. and p.
26	1004.4	992.5	82.5	83.5	84	81	0.3	0.1	11.5	12.6	96	99	12	6	14	7	10	0	5.3	2.6	—	☉ 10 h.-14 h.
27	988.8	992.5	83.9	81.7	85	81	0.4	0.5	12.2	10.5	95	94	18	4	—	1	7	0	4.4	4.0	—	Occasional ☉ n. Dull till 18 h.
28	991.8	993.5	84.3	83.9	85	81	0.0	0.2	13.2	12.6	100	97	10	9	14	8	10	10	0.8	6.3	—	☉ 6 h.-8 h.
29	989.1	985.7	84.0	84.3	85	82	0.5	0.3	12.2	11.9	95	91	14	8	16	10	8	3	—	—	—	☉ 5 h.-6 h., then fine and bright.
30	983.4	989.8	83.9	83.9	85	84	0.4	0.7	12.2	11.0	95	91	16	9	18	9	5	0	3.6	1.0	—	Fair and breezy p.
31	990.8	997.6	82.8	80.8	84	81	1.7	1.2	9.5	8.8	80	85	16	9	18	9	5	0	3.6	1.0	—	Fair and breezy a. ☉ 16 h.-18 h.
Mean	1007.8	1008.3	82.9	82.4	84.6	81.1	1.6	1.0	10.7	10.5	87	88	7.1	6.6	6.9	6.7	64.0	2.58				
	1001.8	1002.4																				

FORT WILLIAM, INVERNESS-SHIRE, a.—OCTOBER 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (S=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks	
	9 h. 21 h.		9 h. 21 h. Max. Min.				Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h. 21 h.		9 h. 21 h.						
	millibar.		200 + 200 + 200 + 200 +				millibar.		%		Tenths of Sky covered.		mm. hr.								
1	1023.0	1020.6	83.6	82.0	80.9	79.7	2.3	0.8	9.5	10.2	74	91	Calms	0	0	0	—	—	—	Calm and sunny	
2	1019.6	1016.6	79.1	82.4	87	77	0.1	1.2	9.2	9.8	99	84	Calms	0	0	10	—	—	—	☉ early; fine after 10 h.	
3	1016.2	1012.8	81.2	82.9	87	78	0.7	1.1	9.8	10.5	91	87	Calms	0	0	10	—	—	—	Cloudy, but fine.	
4	1009.4	1007.8	82.4	83.5	87	80	0.6	0.6	10.9	11.9	92	93	Calms	0	4	3	900	—	—	—	☉ on hills
5	1009.8	1012.8	82.4	79.5	85	79	3.3	2.2	7.5	7.1	62	73	Calms	0	4	5	8	—	—	—	☉ on hills
6	1014.9	1013.8	81.9	78.6	84	77	2.4	1.4	8.2	7.5	71	82	Calms	0	4	5	2	1	—	—	☉ on hills
7	1010.1	1005.7	79.1	76.3	86	74	1.7	1.5	7.5	6.1	78	76	Calms	0	4	5	4	0	—	—	☉ on hills
8	1003.3	1007.8	80.8	80.2	84	76	1.5	1.2	8.5	8.5	81	84	Calms	0	4	8	2	100	—	—	☉ on hills
9	1014.5	1018.3	79.1	77.4	84	74	1.7	1.3	7.5	6.8	78	80	Calms	0	8	3	7	0	—	—	☉ on hills
10	1017.9	1015.9	81.2	84.1	86	74	2.7	3.9	7.1	7.8	67	59	12	2	12	4	1	10	—	—	☉ on hills
11	1012.8	1016.6	85.2	84.3	86	83	3.9	2.7	8.5	9.2	59	70	12	5	16	4	7	9	—	—	☉ on hills
12	1017.9	1020.6	86.4	85.4	87	84	2.8	0.2	10.5	13.9	69	97	24	3	Calms	0	10	100	—	—	☉ on hills
13	1019.3	1015.2	87.5	87.0	88	84	1.2	0.8	14.2	14.2	86	90	20	4	20	4	10	100	39.9	—	☉ on hills
14	1013.8	1014.5	84.8	83.5	88	83	0.2	0.5	13.6	11.9	98	94	20	1	20	3	10	100	2.3	—	☉ on hills
15	1020.3	1023.7	82.9	81.9	86	81	1.6	0.6	9.8	10.5	80	93	26	4	16	1	2	9	—	—	☉ on hills
16	1021.6	1015.9	81.8	85.8	87	81	1.8	1.0	8.8	12.9	78	88	20	4	20	4	4	10	—	—	☉ on hills
17	1012.5	1012.1	87.5	87.4	88	86	1.3	1.6	13.9	13.2	84	82	20	5	20	4	10	10	—	—	☉ on hills
18	1011.1	1008.8	84.7	86.1	87	84	1.2	0.3	11.9	14.6	85	96	20	3	20	3	10	10	5.6	—	☉ on hills
19	1002.0	993.2	86.2	84.9	88	85	1.5	0.6	12.6	12.9	83	92	20	3	20	2	10	100	18.8	—	☉ on hills
20	994.5	1000.3	82.3	78.4	85	77	1.0	1.5	10.2	7.1	87	80	20	4	Calms	0	7	0	2.8	—	☉ on hills
21	989.1	994.2	80.9	78.8	82	77	1.9	0.9	8.2	8.2	76	88	20	5	20	3	7	0	9.1	—	☉ on hills
22	1000.6	1015.5	79.7	79.6	83	77	0.6	1.5	9.2	7.8	92	80	20	2	4	2	9	0	2.0	—	☉ on hills
23	1025.0	1025.0	75.2	74.5	81	73	2.5	1.5	4.8	5.1	63	75	12	2	Calms	0	3	0	1.5	—	☉ on hills
24	1015.9	1013.2	79.7	83.4	84	74	0.4	0.4	9.2	11.9	94	96	20	5	20	4	10	100	39.9	—	☉ on hills
25	1013.8	1011.5	83.6	80.2	84	80	0.1	0.5	12.6	9.5	99	92	20	4	Calms	0	10	100	4	—	☉ on hills
26	1002.3	993.9	79.5	83.5	84	76	0.4	0.4	9.2	12.5	93	95	12	2	Calms	0	10	100	4.8	—	☉ on hills
27	993.2	994.2	83.8	83.6	85	82	1.4	1.3	10.9	10.9	84	84	20	4	Calms	0	10	100	1.8	—	☉ on hills
28	990.8	989.5	84.1	85.8	87	83	0.4	2.0	12.6	11.2	94	77	Calms	0	Calms	0	10	100	3.8	—	☉ on hills
29	986.8	980.0	84.7	85.7	88	82	3.0	2.8	9.2	10.5	67	74	16	3	Calms	0	6	0	3.3	—	☉ on hills
30	984.1	990.1	84.1	83.6	85	83	1.3	1.7	11.2	10.2	84	80	20	3	24	4	8	100	3.6	—	☉ on hills
31	993.9	1002.3	81.1	80.2	84	80	1.1	1.0	9.2	8.8	86	86	20	6	20	4	10	100	21.1	—	☉ on hills
Mean	1008.4	1008.5	82.4	82.3	85.9	79.5	1.5	1.3	9.8	10.0	82	84	2.9	1.9	7.5	6.6	166.4				
Mean Bar- ometer at Station Level.	1007.0	1007.1																			

DOUGLAS, ISLE OF MAN, a.—OCTOBER 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 28' N. Long. 4° 28' W. Time, Local mean time.

		Time, Local mean time.																			
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ARMAGH, a.—OCTOBER 1913.

Heights above Mean Sea Level:—Station, H = 59.8 m.; Barometer, H_b = 61.6 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8 = E, 16 = S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.								
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.												
	millibar.		200 +	200 +	200 +	200 +	millibar.						%	%	*	*	Tenths of Sky covered.		mm.	hr.				
1	1018.9	1017.6	85.2	84.0	89	82	0.7	0.9	12.9	11.5	90	88	—	1	—	1	10	10	—	5.0	76	Fine.		
2	1016.2	1014.9	85.7	84.0	89	82	1.0	0.6	12.9	12.2	88	93	—	1	—	0	10	4	—	0.8	76	Cloudy.		
3	1014.2	1010.5	86.7	85.6	89	84	0.6	0.6	14.6	13.2	93	93	—	0	—	1	10	10	2.1	0.2	79	Overcast.		
4	1005.7	1003.3	86.1	85.1	89	85	0.3	0.5	14.6	13.2	96	93	12	2	—	1	10	10	0.4	2.3	81	• showers 7 h.-9 h.		
5	1003.3	1008.1	84.4	81.1	86	81	1.6	2.0	10.9	8.2	81	76	4	3	4	2	10	10	—	—	82	Overcast.		
6	1009.1	1008.8	83.6	79.7	86	79	2.3	1.8	9.5	7.5	74	76	4	3	4	2	10	8	—	3.0	76	Fine.		
7	1004.4	1000.0	82.1	82.2	85	77	0.4	2.1	10.9	8.5	96	74	4	3	4	2	10	10	0.5	0.2	72	Overcast.		
8	998.9	1006.1	81.7	82.6	84	79	0.9	0.6	9.8	10.9	88	92	32	2	—	0	10	10	0.4	—	77	Overcast.		
9	1012.5	1014.9	83.9	80.7	87	80	1.9	1.2	10.2	8.8	78	84	—	1	12	2	2	0	—	5.0	76	Fine.		
10	1012.5	1007.8	84.7	84.7	86	80	1.7	2.4	10.9	9.8	80	73	10	4	12	6	10	10.0	—	74	Overcast.			
11	1008.1	1014.9	85.4	83.5	87	84	1.2	0.7	12.2	11.5	85	91	12	4	14	2	10	0	2.7	1.2	81	• showers. Fine from 15 h.		
12	1017.2	1020.3	86.7	87.1	89	84	0.9	2.6	13.9	11.5	89	73	16	5	14	5	9	9	—	1.0	78	• early a. Cloudy.		
13	1019.6	1018.3	89.0	86.1	89	86	1.6	1.7	14.9	12.2	84	81	16	6	16	6	10	10.0	10.5	—	84	Overcast. • from 20 h.		
14	1016.9	1020.6	87.2	82.2	89	82	0.3	0.9	15.6	10.2	96	80	18	2	—	1	10	10	—	0.8	84	• n. and early a. Overcast.		
15	1024.0	1025.7	83.4	82.6	89	81	0.5	1.0	11.9	10.5	94	88	—	1	—	0	10	9	—	—	77	Overcast.		
16	1022.7	1017.9	82.6	86.1	87	79	1.6	1.2	9.5	12.9	80	85	16	3	16	4	0	10	—	3.3	75	Very fine a. Overcast p.		
17	1014.5	1013.2	87.6	83.6	89	84	1.0	1.2	14.6	10.9	88	85	16	6	18	3	8	0	—	1.4	81	Cloudy.		
18	1012.5	1010.1	85.8	85.9	89	83	0.7	0.5	13.6	13.9	92	94	18	3	16	4	10	10	1.6	0.2	79	• showers.		
19	1000.0	992.2	88.5	84.4	89	85	2.1	0.8	13.6	11.9	78	80	16	6	14	5	7	10	27.1	1.3	83	Fine a. • noon-17 h.		
20	999.3	996.2	81.7	80.9	86	81	1.8	2.1	8.8	7.8	78	75	18	3	14	3	0	0	4.0	8.7	78	Very fine.		
21	995.6	995.9	79.7	77.3	84	77	1.8	1.2	7.5	6.8	76	83	20	3	18	2	0	0	—	8.1	76	Fine.		
22	1005.4	1016.2	75.2	76.3	83	74	0.0	0.4	7.1	7.1	99	92	—	1	—	0	10	0	0.5	4.2	71	Overcast a. Fine p.		
23	1025.4	1026.7	78.9	72.7	81	73	1.7	0.5	7.1	5.1	78	87	—	1	—	0	4	0	—	6.3	69	• early a. Very fine and cold.		
24	1023.0	1019.3	76.1	77.7	81	71	1.6	1.4	5.8	6.8	76	80	18	2	20	2	8	3	—	4.6	67	• early a. Fine.		
25	1016.6	1008.4	78.8	79.7	86	72	1.7	0.6	7.1	9.2	78	92	—	0	—	1	0	10	3.8	7.7	69	• early a. Fine.		
26	998.9	995.6	85.8	83.7	89	79	0.2	1.7	14.2	10.2	97	80	14	3	18	3	10	2	—	1.6	76	Warm and damp.		
27	995.2	987.1	84.5	84.4	87	82	0.8	0.5	12.2	12.6	90	93	16	2	12	4	10	10.0	8.3	0.3	80	• showers from 13 h.		
28	988.8	982.7	86.3	84.5	88	84	1.3	0.7	12.9	12.2	84	91	14	4	12	3	10	10.0	12.1	3.1	81	Fine till 15 h., then • showers.		
29	980.3	979.6	84.8	82.6	86	82	1.3	0.7	11.5	10.9	84	91	10	4	18	4	10	8	7.6	0.7	80	• showers.		
30	985.7	993.2	84.5	80.0	86	80	1.4	1.1	11.2	8.5	83	85	18	5	16	4	9	7	1.1	0.8	79	Cloudy. • shower 15 h.		
31	1001.0	1005.7	80.7	79.1	84	77	1.5	1.7	8.5	7.5	81	78	18	3	18	2	0	9	—	7.5	75	Fine.		
Mean	1008.0	1007.5	83.8	82.2	86.7	80.3	1.2	1.2	11.3	10.1	86	85	2.8	2.4	7.6	6.7	94.8	2.56	77.0					
Mean Barometer at Station Level.	1000.5	1000.0																						

DUBLIN (PHENIX PARK), a.—OCTOBER 1913.

Heights above Mean Sea Level:—Station, H = 47.3 m.; Barometer, H_b = 48.5 m. Heights above Ground:—Therms., h_t = 1.2 m.
Rain-gauge, h_r = 0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1017.2	1015.2	86.5	86.4	88	x 85	1.5	0.9	12.6	13.6	82	89	6	4	4	5	10	0	—	1.0	82	Dull. Clear n.
2	1014.9	1014.2	86.4	86.8	87	x 85	0.8	0.6	13.9	14.6	90	94	2	4	—	1	10	0	—	—	83	Overcast. Clear n.
3	1014.2	1011.5	86.8	85.8	89	x 85	0.5	0.4	14.9	14.2	94	96	—	1	10	2	10	2	0.5	—	85	Overcast. Clear n.
4	1006.4	1003.0	86.1	85.5	90	84	0.6	0.4	13.9	13.9	94	96	—	1	—	1	10	0	1.0	2.4	81	• 4 h.-5 h. 30 m. and 9 h.-10 h.
5	1000.3	1005.7	85.7	83.0	86	83	1.0	0.5	12.9	11.5	88	94	6	5	6	6	10	10.0	36.1	—	82	• till 6 h. 30 m. • showers a.
6	1007.4	1007.1	85.1	84.3	86	82	1.7	1.8	11.2	10.5	80	79	6	5	6	5	10	8	0.3	—	81	• 9 h.-21 h.
7	1002.0	997.6	84.7	83.1	85	83	1.1	0.6	11.9	11.5	86	93	6	5	4	7	10	10.0	23.9	—	82	• showers a. and p.
8	998.3	1006.1	81.7	82.9	84	81	0.8	0.1	9.8	11.9	90	98	28	2	—	1	10	8	1.5	—	80	Beautiful day.
9	1012.5	1014.5	84.9	80.9	87	80	1.0	0.3	12.2	10.2	88	97	—	0	—	1	5	2	—	6.2	78	Overcast. • from 18 h.
10	1012.1	1007.8	85.5	84.9	86	80	1.5	0.8	11.9	12.6	82	90	12	5	12	7	10	10.0	7.4	—	76	
11	1008.8	1016.2	85.1	80.7	90	80	0.3	0.5	13.6	9.8	95	94	—	1	—	1	10.0	0	0.3	2.7	80	• till 4 h. Cloudy.
12	1019.6	1022.0	89.0	87.4	91	79	1.9	1.2	14.6	13.9	80	85	16	4	16	5	10	8	—	0.3	76	Dull. Cloudy n.
13	1023.0	1021.0	89.7	89.0	x 92	87	2.0	3.1	14.9	12.2	80	69	18	5	16	5	10	10	2.9	0.6	84	Dull. Cloudy n.
14	1017.9	1023.0	87.7	82.4	89	82	0.4	0.6	15.9	10.9	95	93	20	4	24	2	10	2	0.6	—	84	• showers a.
15	1024.7	1026.4	84.0	83.5	86	80	0.9	0.6	11.5	11.9	88	93	24	2	—	0	8	0	—	0.3	78	Dull. Clear n.
16	1024.3	1019.6	84.5	85.5	89	74	2.3	0.6	9.8	13.2	74	93	—	1	—	1	2	7	—	4.7	72	Bright a. Cloudy p.
17	1016.9	1015.5	90.7	77.7	x 92	77	2.3	0.2	15.3	8.2	76	97	18	2	—	1	3	0	—	—	80	Beautiful day.
18	1014.5	1011.1	88.5	81.8	91	75	1.8	0.1	14.2	11.2	81	99	18	3	—	0	7	6	—	1.8	73	Fair, but cloudy.
19	1003.0	994.5	90.5	83.9	91	81	3.1	0.8	13.9	11.5	69	90	12	3	18	4	6	5	4.7	2.0	79	Cloudy. • showers p.
20	1001.3	997.6	83.0	82.3	86	79	2.2	1.0	9.2	10.2	74	87	20	3	14	2	2	8	0.1	8.3	76	Beautiful day.
21	997.9	998.3	80.5	75.2	84	75	1.9	0.4	7.8	6.8	75	93	20	3	20	3	1	0	—	8.0	75	Beautiful day.
22	1005.4	1016.2	78.6	72.0	84	71	1.2	0.1	7.5	5.8	84	99	—	1	—	0	5	0	—	8.0	69	Beautiful day.
23	1024.3	1027.4	79.6	73.2	n 81	71	3.0	0.9	7.1	5.1	74	80	32	4	—	1	2	0	—	7.2	70	Beautiful day.
24	1025.0	1021.6	75.4	70.7	82	n 69	0.5	0.3	6.8	4.4	91	91	30	2	—	0	1	0	—	7.8	n 67	Beautiful day.
25	1016.9	1007.8	79.1	83.0	86	70	0.5	0.2	8.8	11.9	92	98	—	0	6	2	2	8	8.6	6.1	68	Beautiful day.
26	1000.3	998.3	87.0	84.1	89	82	1.3	0.9	13.6	11.9	85	89	18	4	18	4	7	0	0.3	1.7	79	• 1 h.-7 h. Cloudy.
27	996.6	987.4	86.2	83.9	86	84	2.0	0.7	11.9	11.9	77	91	16	2	12	3	10	3	8.5	0.2	80	• 5 h. • showers a. and p.
28	988.8	983.0	85.8	84.0	89	83	0.7	1.2	13.6	11.2	92	86	12	3	14	2	8	10	8.2	0.7	80	• showers a. and p.
29	979.6	981.7	84.8	83.8	87	82	0.6	1.3	12.9	10.9	93	85	12	4	18	5	10	1	7.1	—	79	• at intervals a. and p.
30	988.8	995.9	84.9	80.3	86	79	1.9	1.0	10.9	8.8	78	86	18	5	20	3	2	0	0.5	2.9	74	• 3 h. • at intervals a.
31	1003.3	1007.4	81.4	79.2	85	77	1.8	0.9	8.5	8.2	77	87	20	4	18	2	1	1	—	7.9	75	Beautiful day.
Mean	1008.6	1008.2	84.9	82.2	87.2	79.6	1.4	0.7	11.8	10.8	84	91	3.0	2.6	6.8	3.8	112.5	2.85	77.7			
Mean Barometer at Station Level.	1002.8	1002.3																				

* Metres per second.

x denotes the highest and n the lowest.

METEOROLOGICAL OFFICE, LONDON,

1913.

FORT WILLIAM, INVERNESS-SHIRE, a.—NOVEMBER 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, $H_b=11.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.3$ m. Lat. $56^\circ 49' N$. Long. $5^\circ 7' W$. Time, Greenwich mean time.

Rain gauge, h. = 0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.																				
Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (S = E, 16 = S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine. hr.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.	9 h.		21 h.					9 h.	21 h.
							9 h.	21 h.	9 h.	21 h.		9 h.	21 h.							
millibar.		200 +	200 +	200 +	200 +	millibar.		%	%	+		Tenths of Sky covered.		mm.	hr.	200 +				
1	1003.7	995.6	80.7	81.8	84	77	1.2	2.3	8.8	8.2	83	72	20	3	Calm	0	10	9	24.6	Fine. • after 22 h.
2	992.5	989.1	81.8	79.3	83	79	1.0	0.7	9.8	8.5	87	90	20	5	20	3	10	10	22.1	Unsettled; squally. • at 10 a.
3	994.5	1007.4	82.5	82.3	85	78	1.7	1.2	9.5	9.8	78	84	20	5	20	3	10	7.0	5.6	Squally. • a. : fair p.
4	1010.5	1001.7	81.7	81.3	84	81	1.4	0.4	9.2	10.2	82	94	20	1	20	3	10	10	11.2	Day generally fine.
5	999.3	996.2	80.2	77.3	83	77	0.7	0.9	9.2	7.1	92	88	20	2	Calm	0	8.0	3	—	• early; fine after 10 a.
6	994.5	1000.0	78.0	76.8	81	76	1.1	0.8	7.5	7.1	84	88	Calm	0	Calm	0	7	6	—	Fine, clear, and sunny.
7	1004.4	1003.3	77.4	73.7	83	74	1.1	0.6	7.1	5.8	84	89	Calm	0	Calm	0	3	1	—	Fine, clear, and sunny.
8	1001.7	1004.0	72.9	77.4	81	72	0.5	1.1	5.4	7.1	87	84	Calm	0	8	1	9	1	—	Dull, with sunny intervals.
9	1005.4	1006.1	76.3	79.5	82	74	0.5	1.6	7.1	7.5	91	78	Calm	0	Calm	0	9	7	—	•, with sunny intervals.
10	1003.3	998.6	80.9	80.8	84	77	2.1	0.2	7.8	10.2	74	98	22	2	Calm	0	6.00	5	1.5	Dull and gloomy. •
11	994.5	989.1	80.8	84.1	84	79	0.6	2.8	9.8	9.2	93	69	Calm	0	12	1	9.00	9	2.3	Fine, but • a.
12	983.7	982.0	80.4	80.7	84	80	0.2	0.4	10.2	9.8	95	8	1	Calm	0	10.00	10.00	9	3.1	Muggy, • a. •
13	989.5	991.5	81.8	81.1	84	80	1.1	1.2	9.8	9.2	86	84	Calm	0	20	2	10.00	10	9.1	Fair, with sunny intervals.
14	983.0	986.1	79.1	77.4	81	77	1.1	0.5	7.8	7.8	84	92	20	4	16	3	9.00	10.00	16.8	Bleak and •; • on hills.
15	992.5	993.2	76.9	77.9	81	76	0.6	1.6	7.5	6.8	92	78	16	3	26	3	10.00	6	17.8	•; unsettled; • on hills.
16	1000.0	1000.0	79.1	82.4	82	76	0.6	0.2	8.5	11.5	90	97	16	1	26	4	10.00	10.00	32.0	• a. all day; • on hills.
17	997.9	1009.1	84.2	79.5	85	79	0.2	1.5	12.9	7.8	98	79	20	6	20	3	10.00	9.00	4.8	Squally and showery.
18	1000.3	1005.7	80.0	78.4	81	76	1.4	2.2	8.2	6.5	80	74	20	4	20	4	10.00	10.00	20.6	Squally and showery.
19	1005.5	1005.4	78.8	80.8	81	76	1.0	0.7	7.8	9.5	86	91	20	4	24	5	10.00	10.00	46.5	Squally, •; • on hills.
20	998.3	999.6	82.4	80.2	84	80	2.7	0.5	8.2	9.5	68	92	20	5	20	3	10.00	10.00	16.8	Dull, showery. • evening.
21	1000.6	1012.1	77.1	77.4	80	76	0.5	1.0	7.8	7.1	94	86	20	1	20	2	9	3.00	6.9	Sunshine, showers; • on hills.
22	1020.6	1017.6	76.1	80.2	80	75	0.7	2.3	6.8	7.1	90	71	18	2	20	4	4	10	1.8	Fine a. and p. • afternoon.
23	1008.4	1006.7	81.9	81.3	82	80	1.2	2.3	9.5	7.8	85	72	20	5	20	3	10.00	3	24.4	• nearly all day.
24	1006.1	1004.7	78.6	79.0	83	77	0.8	1.0	8.2	8.2	90	86	20	2	20	2	9.00	10.00	11.7	Fair a. : • p.
25	1006.7	1005.0	80.2	82.0	84	77	0.5	1.2	9.5	9.5	92	85	20	5	20	5	10.00	10.00	24.4	Squally and • all day.
26	1012.8	1021.3	78.7	80.1	82	77	1.8	2.0	7.1	7.5	77	74	22	4	20	2	10.00	10.00	8.6	Squally, •; • on hills.
27	1019.3	1021.3	82.0	83.5	84	79	0.6	0.5	10.5	11.9	93	94	20	3	20	4	10.00	10.00	6.1	Muggy, • a. • all day.
28	1021.0	1019.9	83.5	83.4	84	82	0.5	0.5	11.9	11.9	94	94	20	4	20	4	10.00	10.00	15.2	Muggy, • a. • all day.
29	1015.9	1014.2	83.1	80.6	84	80	0.4	2.1	11.9	7.8	96	74	20	5	20	3	10.00	10.00	15.7	Muggy, • a. •; fair night.
30	1016.6	1009.1	78.8	78.8	81	78	1.5	1.6	7.5	7.1	81	79	24	3	20	2	9	10.00	15.7	Mostly dull and cloudy.
Mean	1003.1	1003.2	79.9	80.0	82.5	77.5	1.0	1.2	8.7	8.5	87	84	2.7	2.2	9.0	7.8	35.3			
Mean Bar- ometer at Station Level.	1001.7	1001.8																		

DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, $H_b=86.6$ m. Heights above Ground:—Therms., $h_t=1.2$ m.
Rain-gauge, $h_r=0.25$ m. Lat. $54^\circ 10' N$. Long. $4^\circ 28' W$. Time, Local mean time.

Time, Local mean time.																					
Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.			Wind Direction in Points (S=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sunshine. hr.	Min. Temp. on Grass.	Remarks.				
	9 h.	21 h.	9 h. 21 h. Max. Min.				Dep. of Wet. Vapour Pressure. Percent- age.			9 h. 21 h.		9 h. 21 h.									
1	1006.7	1002.7	82.5	82.5	86	80	1.1	1.4	10.2	9.8	86	82	10	1	16	4	8	10	11.5	Cloudy, with • showers.	
2	1001.7	993.2	84.5	79.7	85	80	2.4	1.1	9.8	8.2	73	84	24	5	26	10	4	10	6.7	Cloudy. 16 h. • after 20 h.	
3	1007.1	1013.5	82.2	82.0	85	80	2.0	1.6	8.8	9.2	75	80	24	7	24	2	4	2	4.0	Fine.	
4	1014.2	1003.0	80.3	84.5	85	79	0.7	0.4	9.2	12.9	90	96	20	1	16	3	8	10	7.8	Cloudy. • after 16 h.	
5	1002.7	997.6	80.4	82.4	85	80	1.1	1.9	8.8	9.2	86	76	24	2	18	2	4	5	12.4	Very fine.	
6	992.2	998.9	79.0	80.0	83	79	0.5	1.0	8.8	8.8	92	87	28	1	28	1	10	2	2.0	• till 10 h. • showers 13 h.-17 h.	
7	1003.0	1004.4	81.1	79.1	83	77	1.5	1.5	8.8	7.5	82	80	30	3	Calms	0	2	8	9.0	Very fine.	
8	998.9	1005.0	80.8	78.6	82	77	0.0	0.3	10.5	8.8	100	96	8	6	4	1	10	2	8.2	Very fine.	
9	1006.1	1004.4	82.5	82.4	84	79	0.5	1.1	10.9	10.2	93	86	10	3	12	6	8	8	8.2	•	
10	1001.0	1000.0	83.3	84.0	85	82	0.2	0.3	12.2	12.6	97	96	12	6	16	1	10	0	7.6	Very fine.	
11	995.9	989.5	84.1	83.9	86	82	0.5	0.6	12.2	11.9	93	93	12	2	14	3	8	8	2.5	Overcast and squally. [showers	
12	984.1	984.4	81.2	79.8	84	80	0.3	0.8	10.5	8.8	95	89	16	1	26	4	10	3	33.0	Fine a., then dull, with • showers.	
13	989.8	995.6	79.0	80.8	84	79	0.7	1.1	8.5	9.2	90	86	30	6	26	4	10	2	7.4	Dull, with occasional • showers.	
14	990.1	993.5	80.8	80.4	82	80	1.8	1.5	8.2	8.2	78	80	26	7	22	4	3	8	8.2	Cloudy and squally.	
15	999.3	998.6	79.9	80.2	81	79	1.3	1.3	8.2	8.2	82	82	24	6	24	6	7	6	0.3	• showers 17 h. 30 m.	
16	1007.8	1008.1	82.9	85.1	85	80	1.7	0.4	9.8	13.2	81	94	24	6	24	6	10	10	3.3	• showers after 14 h.	
17	1009.8	1016.9	85.2	81.6	86	81	1.2	1.9	11.9	8.5	84	76	24	6	24	4	10	6	4.2	• a. Cloudy. • 15 h.-19 h.	
18	1004.7	1014.9	84.2	79.0	85	79	0.1	2.0	13.2	6.8	99	73	20	7	26	10	10	2	7.1	Cloudy and squally.	
19	1023.3	1015.5	79.9	82.4	82	79	1.2	2.2	8.2	8.8	83	73	24	3	20	7	6	10	4.8	• a. • 17 h.	
20	1008.8	1006.4	84.2	83.6	85	81	0.1	1.0	13.2	11.2	99	88	20	6	20	1	10	10	1.5	Cloudy and squally.	
21	1003.0	1014.9	80.2	79.1	85	79	0.6	1.0	9.2	8.2	91	85	28	4	26	2	8	10	9.7	• a., then dull.	
22	1025.0	1023.3	77.3	82.2	82	76	0.5	2.6	7.8	8.2	92	60	28	1	18	5	1	8	—	Dull and cloudy.	
23	1016.9	1010.5	81.3	83.0	84	81	1.1	1.5	9.5	9.8	86	82	16	6	16	7	10	10	6.0	• a. Very fine.	
24	1012.5	1011.8	79.5	79.1	84	78	1.4	1.1	7.8	7.8	81	84	20	2	24	2	4	0	—	Dull and squally.	
25	1016.9	1016.2	81.8	84.3	85	78	0.3	1.1	10.9	11.5	96	86	18	4	20	5	10	10	3.2	Cloudy. • 15 h.-18 h.	
26	1021.6	1026.7	80.2	80.2	85	80	1.3	1.2	8.5	8.5	82	83	22	3	24	2	8	6	0.5	• showers a. Cloudy.	
27	1025.0	1027.7	83.0	84.1	87	80	0.1	0.4	12.2	12.6	99	94	24	5	26	5	10	4	0.5	Dull and squally.	
28	1028.7	1027.7	83.0	83.6	85	82	0.6	0.6	1.2	11.2	10.9	93	86	24	6	24	6	8	4	0.3	• showers a. Fine to gloomy.
29	1025.4	1022.0	83.6	84.0	85	82	0.4	1.0	12.2	11.5	95	87	22	5	22	7	10	10	—	Squally.	
30	1024.0	1018.6	79.3	81.1	84	79	0.7	0.9	8.5	9.5	90	89	24	2	24	5	6	10	0.5	Dull.	
Mean	1008.2	1008.2	81.5	81.8	84.2	79.6	0.9	1.2	10.0	9.7	89	85	4.1	4.2	7.6	6.3	152.5	2.03	77.6	Cloudy to dull.	
Mean Barometer at Station Level.	997.7	997.7	+ Beaufort Scale (0-12).																		

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

ARMAGH, a.—NOVEMBER 1913.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H_b=61.6 m. Heights above Ground:—Therms, h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (8=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		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.		200+	200+	200+	200+	millibar.						%	%	Tenths of Sky covered.		mm.	hr.		
1	1005.0	994.2	80.8	80.8	83	77	1.7	0.9	8.2	9.2	79	88	16	2	14	9	0	10	74	Very fine till 18 h., then showers.
2	998.3	996.6	82.3	78.2	84	78	1.7	0.8	9.2	7.8	80	89	18	5	24	3	4	7	79	Fine a. ● showers from 13 h.
3	1005.4	1013.8	81.2	79.7	85	77	1.6	0.8	8.5	8.8	80	88	20	6	20	2	0	10	76	Fine a. ● showers 14 h.
4	1011.1	1001.7	81.3	82.2	85	75	1.7	0.5	8.5	10.9	78	93	14	3	20	3	8	10	72	Fine a. ● showers from 15 h.
5	1001.0	994.5	79.5	79.1	84	77	0.9	1.5	8.5	7.5	86	80	18	2	16	4	0	4	68	Fine.
6	992.2	999.3	76.8	77.1	81	76	0.2	0.3	7.8	7.8	98	95	—	0	1	10	3	10	72	Overcast. Drizzle 16 h.-20 h.
7	1005.7	1002.7	78.5	78.6	85	75	0.6	0.9	8.5	8.2	92	89	—	1	12	2	0	4	70	Fine.
8	999.6	1002.3	81.2	79.6	84	78	0.6	1.2	10.2	8.2	93	84	—	1	12	4	10	9	70	Fine.
9	1002.3	1001.3	83.8	82.8	85	80	1.5	1.5	10.9	9.8	83	82	14	4	8	2	10	10	72	Overcast.
10	996.9	997.6	84.0	82.6	87	82	0.0	0.6	12.9	10.9	99	92	10	4	16	2	10	10	73	● showers a. Very fine p.
11	991.8	986.4	84.3	82.1	86	82	0.7	0.6	12.2	10.9	90	93	16	3	14	2	10	10	77	Fine.
12	983.4	986.4	81.1	78.6	83	78	0.0	0.6	10.9	8.5	100	92	—	0	28	2	0	10	75	● showers.
13	994.2	995.9	79.9	79.6	83	76	1.1	1.3	8.5	8.2	85	82	—	1	20	2	0	10	75	Fine.
14	991.2	994.2	79.6	77.5	83	77	1.1	0.9	8.2	7.5	84	87	24	3	20	3	8	10	76	● showers.
15	999.3	1000.3	78.4	77.3	81	76	1.0	0.5	7.8	7.8	87	92	20	3	20	3	9	8	76	Cloudy. ● showers from 15 h.
16	1007.8	1008.1	81.7	84.1	84	77	1.3	0.4	9.5	12.6	84	94	24	3	20	5	10	10	75	Overcast. ● showers from 15 h.
17	1007.8	1015.2	85.0	80.5	86	80	1.4	2.5	11.5	7.1	83	69	20	8	20	3	10	9	79	Cloudy and mild.
18	1002.7	1016.9	82.3	75.7	83	76	1.3	0.8	9.8	6.5	83	88	18	6	22	4	8	0	81	Cloudy. A few ● showers.
19	1022.3	1011.8	78.4	80.7	81	76	1.1	0.7	7.5	9.5	86	92	18	4	18	9	8	10	77	Fine a. Overcast p.
20	1007.4	1003.0	82.8	81.6	85	79	1.7	0.8	9.5	9.8	79	89	20	5	18	5	7	10	77	Fine a. ● showers from 16 h.
21	1005.0	1016.6	78.1	75.7	85	76	0.5	0.7	8.2	6.8	94	90	—	1	22	2	10	0	76	Cloudy.
22	1024.3	1018.6	76.3	79.1	80	74	1.0	1.1	6.5	7.8	85	84	18	2	16	7	0	10	75	— early a. Fine.
23	1008.8	1002.0	82.3	82.2	83	75	2.2	2.4	8.5	8.2	73	71	16	11	12	9	10	10	75	Overcast.
24	1008.8	1011.5	76.5	77.2	82	75	0.8	1.0	6.8	7.1	87	86	18	5	20	5	10	10	75	Cloudy. ● showers 13 h.-15 h.
25	1013.8	1012.8	83.0	83.6	85	76	0.6	1.2	11.2	10.9	93	86	20	5	20	8	10	10	73	Cloudy.
26	1022.3	1027.1	79.7	78.4	84	79	1.8	1.6	7.5	7.1	76	80	20	5	20	4	10	4	77	Overcast.
27	1026.0	1027.7	84.7	84.0	86	79	0.8	0.7	12.2	11.9	90	91	20	4	20	3	9	10	77	Cloudy.
28	1029.1	1026.4	83.1	82.0	85	82	0.8	0.8	11.2	10.2	91	80	20	5	20	4	9	5	77	Cloudy.
29	1023.3	1019.9	83.5	84.0	85	82	0.6	1.2	11.9	11.2	93	87	20	6	20	6	10	10	81	Cloudy.
30	1023.3	1018.3	79.0	79.7	84	79	1.3	0.9	7.8	8.5	83	86	22	3	22	3	3	10	75	Cloudy.
Mean	1007.0	1006.8	81.0	80.1	83.9	77.6	1.1	1.0	9.3	8.9	86	87	37	4.0	7.1	7.5	74.9	2.21	75.4	
Mean Bar- ometer at Station Level.	999.6	999.3																		

DUBLIN (PHENIX PARK), a.—NOVEMBER 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H_b=48.5 m. Heights above Ground:—Therms, h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1006.4	995.9	80.3	85.2	86	75	0.1	1.4	10.2	11.5	98	82	—	0	16	5	8	10	1.8	4.4	74	° a. Fine.
2	1001.0	1000.6	83.7	77.8	86	77	2.0	0.6	9.8	7.8	77	91	20	5	22	5	10	0	2.8	0.7	78	Dull. ° p.
3	1009.8	1015.9	81.8	77.6	85	77	1.5	0.2	9.2	8.2	81	97	22	6	22	2	2	0	—	7.1	75	Beautiful day.
4	1012.1	1004.4	80.4	80.9	86	71	0.3	0.6	9.8	9.8	96	93	16	2	22	3	6	10	1.0	1.0	70	Cloudy. ° 18 h.-21 h.
5	1003.0	996.2	81.3	81.0	85	76	1.6	1.5	8.5	8.8	80	82	20	2	18	3	0	4	—	7.0	73	Beautiful day.
6	992.8	998.9	78.5	78.3	81	74	1.1	0.2	7.8	8.5	86	97	—	1	26	3	3	10	1.5	6.5	72	Beautiful day.
7	1006.7	1003.3	77.9	76.3	84	75	0.3	0.1	8.5	7.5	96	98	22	3	—	0	1	10	12.7	6.6	72	° a. Beautiful day.
8	1000.3	1003.0	80.0	78.4	85	76	0.9	0.5	8.8	8.5	88	95	24	3	—	1	1	4	—	6.9	75	° till 6 h. Beautiful day.
9	1002.7	1001.0	83.9	84.1	85	78	1.3	0.7	11.2	11.9	86	91	12	3	10	5	10	10	5.3	—	74	Overcast. ° p.
10	997.2	997.9	85.6	81.8	89	81	0.4	0.4	13.9	10.5	96	95	—	0	—	1	10	1	1.0	4.6	81	° till 7 h. Overcast to bright.
11	992.8	986.8	82.9	82.8	86	80	1.1	1.4	10.5	10.2	87	83	10	3	14	2	10	6	2.0	1.7	75	° a. Cloudy. ° 23 h.
12	984.4	987.8	80.1	78.2	84	75	0.1	0.3	9.8	8.5	99	95	24	3	24	4	10	10	5.3	0.4	74	° a. and p. Dull.
13	994.9	998.3	77.2	79.1	83	75	0.6	0.7	7.5	8.5	92	90	22	4	22	3	5	10	0.8	4.5	74	Fine. ° n.
14	993.9	995.9	79.5	79.5	83	78	1.1	1.0	8.2	8.5	84	86	24	5	24	5	1	10	—	0.4	77	Fine.
15	1002.0	1003.0	79.4	79.5	83	77	1.3	0.8	7.8	8.5	81	88	24	4	24	5	3	10	1.9	4.8	74	Fine. ° showers 15 h.-19 h.
16	1009.8	1011.1	82.9	85.7	86	79	1.2	0.8	10.2	13.2	86	90	20	5	22	5	10	10	0.3	—	76	Overcast.
17	1010.8	1017.6	85.1	81.3	86	81	1.0	1.1	12.2	9.2	87	86	22	7	22	3	10	10	5.8	1.4	81	Cloudy.
18	1005.4	1019.9	84.1	77.0	86	77	0.5	1.1	12.2	6.8	94	84	20	10	24	4	10	0	—	—	76	° till 7 h. Cloudy.
19	1025.4	1016.6	79.5	82.0	82	76	1.3	1.8	8.2	8.8	83	77	22	6	20	8	10	8	2.0	0.3	74	Dull.
20	1009.8	1004.7	84.9	85.4	86	81	0.3	0.8	13.2	12.9	96	90	22	7	20	3	10	10	7.4	1.4	79	° showers a. Cloudy.
21	1006.7	1017.9	79.3	74.7	86	75	0.6	0.1	8.8	6.8	92	98	26	3	24	3	10	0	0.1	2.3	79	° a. Cloudy.
22	1025.7	1021.6	75.3	81.4	82	73	0.2	0.3	7.1	7.8	96	71	—	1	18	5	2	3	—	6.3	79	Beautiful day.
23	1011.8	1007.1	83.4	79.2	84	79	2.4	1.1	9.2	8.2	72	85	18	11	20	6	7	9	—	0.4	77	Dull.
24	1011.8	1014.2	78.6	77.6	83	76	1.5	0.6	7.1	7.8	81	91	18	3	22	3	8	0	2.0	1.6	72	Cloudy.
25	1016.6	1015.9	83.5	83.9	86	77	0.6	0.8	11.9	11.5	93	90	20	6	22	6	10	7	0.4	0.8	74	° a. Cloudy.
26	1024.7	1028.7	79.0	79.1	84	77	0.9	1.0	8.2	8.2	87	86	24	3	24	3	10	0	—	0.1	75	Overcast.
27	1028.1	1029.8	84.3	83.5	86	79	0.3	0.1	12.9	12.6	97	98	24	6	24	4	10	10	0.4	—	75	Overcast. ° 19 h.-21 h.
28	1031.1	1029.1	82.5	84.0	85	82	0.2	0.6	11.5	11.9	98	91	24	4	24	5	10	10	—	0.1	80	Overcast.
29	1026.0	1023.7	84.1	84.2	85	82	0.5	0.8	12.2	11.9	93	89	22	4	22	5	10	7	1.0	—	80	Overcast.
30	1025.4	1020.6	80.0	80.8	85	80	0.5	0.1	9.2	10.5	93	99	26	3	24	4	6	10	0.6	0.8	79	Cloudy.
Mean	1009.0	1008.9	81.3	80.7	84.7	77.3	0.9	0.8	9.8	9.5	89	90	—	4.1	3.8	7.1	6.6	56.7	2.67	75.6		
Mean Bar- meter at Station Level	1003.1	1002.9																				

FORT WILLIAM, INVERNESS-SHIRE, a.—DECEMBER 1913.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H_b=11.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 32° F. Mean Sea Level and Standard Gravity. (Latitude 45°.)		Air Temperature in Degrees Absolute.				Humidity.						Wind Direction in Points (S=E, 16=S) and Force (0-12) or Velocity (metres per second.)		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 h.	Sun- shine.	Min. Temp. on Grass.	Remarks.		
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percent- age.		9 h.	21 h.	9 h.	21 h.						
							9 h.	21 h.	9 h.	21 h.	9 h.	21 h.										
	millibar.		200 +	200 +	200 +	200 +	millibar.						%		%		Tenths of Sky covered.		mm.	hr.	200 +	
1	1011.5	1012.1	77.8	78.1	80	76	1.6	0.8	6.8	7.8	78	89	28	†	2	24	1	60 ⁰	100 ⁰	9.1	—	Showery. * on hills.
2	1006.4	998.6	78.9	80.9	82	77	0.8	0.8	8.2	9.5	89	90	20	3	20	1	100 ⁰	80 ⁰	36.3	—	Showery; sunny intervals.	
3	985.1	979.6	82.8	77.1	83	77	0.5	0.6	11.5	7.5	95	93	20	5	Calmed	0	100 ⁰	10	15.2	—	* and *; unsettled.	
4	988.1	1002.0	75.0	74.1	78	73	1.9	1.1	5.1	5.4	70	79	20	1	20	3	4	100 ⁰	0.8	—	Bleak with * and sleet.	
5	1004.7	1008.1	73.0	68.7	76	69	1.3	0.3	4.4	3.7	71	86	20	1	Calmed	0	2	0	—	—	Clear and frosty.	
6	1006.4	1010.5	68.2	70.2	72	67	0.3	0.4	3.4	4.1	84	83	8	1	Calmed	0	1	0	—	—	Clear and sunny.	
7	1013.8	1015.5	77.4	78.0	79	70	0.2	0.7	8.2	7.8	97	90	12	3	20	3	10	100 ⁰	1.3	—	Generally fair. * night.	
8	1011.8	1007.1	82.2	84.8	86	78	1.0	0.7	10.2	12.6	88	92	20	3	20	5	9	100 ⁰	22.9	—	Mild and muggy. *	
9	1006.1	1012.1	79.6	80.5	85	79	0.9	2.5	8.5	7.1	88	69	20	4	20	5	100 ⁰	100 ⁰	6.9	—	Dull and *.	
10	1017.9	1018.6	82.4	81.2	82	80	2.2	1.2	8.8	9.2	73	84	20	4	20	3	100 ⁰	8	1.0	—	Dull. * at times.	
11	1015.5	1008.8	81.3	81.3	82	80	0.5	0.2	10.2	10.5	93	97	20	3	20	3	100 ⁰	100 ⁰	9.4	—	Generally overcast; *; muggy.	
12	1000.6	1014.5	80.9	78.5	82	77	1.4	2.2	8.8	6.5	83	73	24	5	20	2	60 ⁰	90 ⁰	9.4	—	Generally overcast; *; muggy.	
13	1016.9	1017.6	78.6	81.2	81	76	1.2	1.6	7.8	8.5	85	80	22	4	20	3	100 ⁰	100 ⁰	11.4	—	Generally overcast; *; muggy.	
14	1019.9	1017.9	80.3	82.8	83	80	1.6	0.4	8.2	11.5	78	95	20	3	20	2	9	100 ⁰	14.7	—	Generally overcast; muggy.	
15	1014.9	1002.3	82.4	83.4	84	82	0.1	1.0	11.5	11.2	99	89	20	4	22	5	100 ⁰	100 ⁰	26.2	—	Generally overcast; muggy.	
16	1008.4	1026.0	80.1	78.5	84	77	1.1	1.6	8.5	7.1	86	79	24	4	8	2	100 ⁰	3	1.5	—	*; dull a; fine night.	
17	1033.8	1036.2	78.5	79.1	80	76	0.5	0.5	8.5	8.8	93	92	Calmed	0	20	2	100 ⁰	10	0.3	—	Humid with *.	
18	1036.5	1036.5	78.8	79.1	80	77	0.7	1.3	8.5	7.8	91	82	20	1	20	2	10	10	—	—	Fair to fine, but dull.	
19	1036.9	1036.2	78.0	77.2	79	77	1.7	0.9	6.8	7.1	88	20	1	1	Calmed	0	10	10	—	—	Fair to fine, but dull.	
20	1035.2	1035.5	78.9	80.3	80	77	1.6	0.7	7.5	9.2	80	90	20	2	20	3	100 ⁰	100 ⁰	0.5	—	Dull and hazy.	
21	1034.8	1031.5	81.3	81.4	82	80	2.0	2.3	8.2	7.8	75	71	20	3	20	3	100 ⁰	10	—	—	Dull and hazy; fair.	
22	1023.3	1013.5	80.3	79.6	82	79	1.3	0.8	8.5	8.5	82	88	24	1	20	3	100 ⁰	100 ⁰	6.1	—	Generally fair a; dull with drizzle.	
23	1006.4	1002.7	77.4	74.8	80	74	1.1	0.5	7.1	6.5	84	92	20	1	20	3	5	70 ⁰	6.6	—	Dull and showery. * on hills.	
24	1009.4	1016.2	74.8	73.0	77	72	0.8	1.2	6.1	4.4	87	73	Calmed	0	Calmed	0	800	0	9.1	—	Fine generally; passing *.	
25	1009.8	1001.7	76.3	72.2	82	72	0.2	1.1	7.5	8.5	96	85	16	1	20	3	100 ⁰	100 ⁰	28.7	—	* all day.	
26	1003.3	995.6	77.3	74.4	80	74	1.5	0.3	6.5	6.5	78	94	20	3	20	2	100 ⁰	100 ⁰	14.2	—	Bleak and showery. * on hills.	
27	994.2	995.2	74.0	74.6	75	73	0.5	1.0	6.1	5.8	91	81	20	2	Calmed	0	100 ⁰	10	6.6	—	*; * showers; * in on ground.	
28	997.9	1005.4	73.4	72.4	75	71	0.4	0.5	5.8	5.1	93	86	12	3	8	4	7	10	4.1	—	*; * 4 in. on ground.	
29	1012.8	1019.9	74.0	71.6	74	71	1.6	0.3	4.8	5.1	73	91	4	3	20	1	8	0	—	—	Clear and frosty.	
30	1025.7	1030.4	69.6	69.9	72	67	0.5	0.3	3.7	4.4	81	89	8	3	8	2	0	0	—	—	Clear and sunny.	
31	1033.2	1033.2	67.4	75.8	76	65	0.2	1.1	3.4	6.1	85	83	Calmed	0	20	3	10	10	—	—	Frost; thaw night.	
Mean	1013.6	1014.2	77.4	77.5	79.8	75.0	1.0	0.9	7.3	7.5	85	86	2.4	2.2	8.2	7.9	242.3					
Mean Bar- ometer at Station Level.	1012.1	1012.8																				

DOUGLAS, ISLE OF MAN, a.—DECEMBER 1913.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H_b=86.6 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.25 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

		Air Temperature in Degrees Fahrenheit.										Relative Humidity.										Wind Direction in Points (S=E, 16=S) and Force (0-12) or Velocity (metres per second).										Cloud Amount and Weather.										Rain 24 hours beginning 9 h.										Sunshine.										Min. Temp. on Grass.										Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		9 h.					21 h.					Max.					Dep. of Wet.					Vapour Pressure.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.					9 h.									

ARMAGH, a.—DECEMBER 1913.

Heights above Mean Sea Level:—Station, $H = 59.8$ m.; Barometer, $H_b = 61.6$ m. Heights above Ground:—Therms., $h_t = 1.2$ m.
Rain-gauge, $h_r = 0.3$ m. Lat. $54^{\circ} 21' N.$ Long. $6^{\circ} 39' W.$ Time, Dublin mean time.

DUBLIN (PHOENIX PARK), a.—DECEMBER 1913.

Heights above Mean Sea Level:—Station, H=47.3 m.; Barometer, H_b=48.5 m. Heights above Ground:—Therms., h_t=1.2 m.
Rain-gauge, h_r=0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

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METEOROLOGICAL OFFICE, LONDON,
February 4th 1914.

Mean Bar- ometer at Station Level.	1013.5	1013.7	* Metres per second.	METEOROLOGICAL OFFICE, LONDON.
			z denotes the highest and z the lowest of the values in the column.	