



Scale 1:5,000,000.

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

M.O. No. 217c.

METEOROLOGICAL OFFICE.

## DAILY READINGS

AT

## METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS

For the Year 1914,

FORMING SECTION 1 OF PART III. OF THE BRITISH METEOROLOGICAL  
AND MAGNETIC YEAR-BOOK FOR 1914.

Published by Authority of the Meteorological Committee.



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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

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METEOROLOGICAL OFFICE.

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

INTRODUCTION TO THE TABLES FOR THE YEAR 1914.

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 three 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. On pp. 49-56 will be found the Annual Supplement, which shows at one opening the mean values or totals for each month and for the whole year of the various elements at eleven stations, together with the extreme temperatures and the maximum rainfall. (See note in the Monthly Weather Report, "British Meteorological and Magnetic Year-Book," Part II., p. 2).

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:—

Continued on p. iv.



LIST OF STATIONS OF THE FIRST AND SECOND ORDERS.

Station.	Observer.	Averages.	Remarks.
Deerness	M. Spence.	a.b.c.	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.c.	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. 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.c.d.	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.c.	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:—

- Appendix IV. of "The Weekly Weather Report" for 1913. Monthly averages of mean maximum, mean minimum, and mean temperature, and of rainfall for the thirty-five years 1876-1910, and (when available) of bright sunshine for the thirty years 1881-1910.
- 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.
- "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.
- "Rainfall Tables of the British Islands," Part I., 1866-1880; Part II., 1881-1890.
- "Hourly Values from Autographic Records," *Meteorological Section*, 1913, and *Geophysical Section*, 1912.

*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:—

- Daily Values in "Observations at Stations of the Second Order."
- Monthly Summaries till 1907 in "Observations at Stations of the Second Order."
- Full Monthly Summaries in the "Monthly Weather Report."
- 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  $273^\circ$  A., the normal boiling point,  $373^\circ$  A. Temperatures at or below  $273^\circ$  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  $\rho$  is  $p = k\rho T$ , and the value of the constant  $k$  is  $2870.88$  if  $p$  is in millibars,  $\rho$  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	8.0–10.7	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	5.5–7.9	13–18						

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

*Cloud and Weather.*—The amount of cloud is estimated on the scale—0, sky cloudless: 10, sky completely overcast. No account is taken of the form or density

of the cloud. The weather at the time of observation is indicated by appending the appropriate weather symbol to the figure showing the amount of cloud.

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

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

Rain . . . . .	•	Mist . . . . .	≡°	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 <sup>0</sup> or <sup>2</sup> to them, thus:—  
<sup>0</sup> slight rain. <sup>2</sup> heavy rain.

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

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

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

## 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. Annual volume, 5s.

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

Part IV. (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. Annual volume, 20s.

(2) *Meteorological Office Observatories. Hourly Values from Autographic Records—Geophysical Section.* Issued at the end of each year. Price—1911, 5s.; 1912, 3s.



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	914.6	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	943.7	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	953.2	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	968.1
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	983.0	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	993.5	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	997.9	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	1008.4	1008.8
29.8	1009.1	1009.5	1009.8	1010.1	1010.5	1010.8	1011.2	1011.5	1011.8	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	1023.3	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	1038.2	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	4.7	5.1	5.4	5.8	6.1	6.4
0.2	6.8	7.1	7.4	7.8	8.1	8.5	8.8	9.1	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	13.5	13.9	14.2	14.6	14.9	15.2	15.6	15.9	16.3	16.6
0.5	16.9	17.3	17.6	17.9	18.3	18.6	19.0	19.3	19.6	20.0
0.6	20.3	20.7	21.0	21.3	21.7	22.0	22.3	22.7	23.0	23.4
0.7	23.7	24.0	24.4	24.7	25.1	25.4	25.7	26.1	26.4	26.8
0.8	27.1	27.4	27.8	28.1	28.4	28.8	29.1	29.5	29.8	30.1
0.9	30.5	30.8	31.2	31.5	31.8	32.2	32.5	32.8	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	15.6	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	23.2	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	30.8
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.,  
21st May 1915.

W. N. SHAW, Director.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

DEERNES, ORKNEY, a.b.—JANUARY 1914.

Heights above Mean Sea Level:—Station, H = 48.8 m.; Barometer, H<sub>b</sub> = 49.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 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.	9 h.	21 h.	9 h.		Min. Temp. on Grass.
	millibar.	200 +	200 +	200 +	200 +			millibar.	%	%	*	*	Tenths of Sky covered.		mm.	hr.	200 +			
1	1024.4	1024.4	80.9	81.1	81	76	0.5	0.5	9.9	10.0	94	94	22	14	22	12	10	10	Fair a. Drizzle p.	
2	1017.3	1024.7	80.7	79.9	81	80	0.5	0.4	9.8	9.4	94	95	24	13	28	8	9	7	Fair a. Drizzle p.	
3	1020.0	1010.8	79.4	78.4	81	79	0.6	1.7	8.8	6.9	92	77	24	9	26	11	7	9	Drizzle at times. [squally p.	
4	1000.0	986.1	76.7	75.6	79	74	0.3	1.7	7.6	5.5	96	75	22	13	24	13	9	8	• till 12 h. T 12 h. Sleet,	
5	982.7	986.4	73.7	74.4	77	73	0.7	0.6	5.6	6.1	87	91	24	14	30	9	9	7	▲ a. ✕ p. ☒ 1 in.	
6	998.6	1010.5	75.3	74.0	76	74	1.9	0.6	5.1	5.9	87	89	30	14	30	8	3	2	Snow disappeared. ☐.	
7	1011.8	1001.3	75.4	80.2	81	73	1.0	0.2	6.2	9.8	84	97	18	7	22	15	10	10	✕ a. Drizzle after 11 h.	
8	1001.0	1008.8	80.4	78.3	81	79	0.4	1.1	9.7	7.6	95	85	22	14	2	5	10	10	Drizzle till 17 h. [ 18 h.	
9	1014.5	1013.5	77.2	78.5	79	77	1.8	0.2	6.1	8.7	74	97	10	10	14	13	8	10	Very dry a. • 12 h.-18 h.	
10	1015.2	1021.0	79.5	78.8	80	79	0.1	0.4	9.6	8.6	99	94	14	12	14	12	10	10	Drizzle all day.	
11	1025.7	1030.5	77.9	76.9	79	77	1.0	1.4	7.3	6.5	86	80	14	14	16	13	8	7	Fleecy clouds drifting quickly.	
12	1035.5	1038.9	76.5	75.9	78	76	1.6	1.4	6.1	5.9	78	79	16	10	16	7	10	10	Dry a. Very dry p.	
13	1039.6	1039.6	74.5	74.5	76	74	1.6	1.5	5.1	5.1	74	75	14	6	16	5	2	10	12	Very fine all day.
14	1037.6	1034.5	74.5	75.1	76	74	0.7	1.3	6.0	5.6	87	79	20	2	20	2	10	10	0.5	Fine throughout.
15	1031.5	1028.8	75.0	76.9	77	75	0.5	0.7	6.6	7.2	92	90	22	2	26	3	10	10	0.5	Fine throughout.
16	1024.4	1020.6	77.2	77.2	79	77	0.3	1.1	7.9	6.9	96	84	26	4	2	3	10	10	10	Very dull a.
17	1018.6	1020.3	77.5	77.8	79	77	0.8	1.1	7.3	7.2	88	85	2	2	8	3	10	10	1.8	Fine generally: drizzle 20 h.
18	1020.6	1022.3	77.2	77.8	79	77	1.0	0.8	7.1	7.5	85	88	28	2	1	9	2	8	10	Mild and calm.
19	1020.6	1020.6	76.2	77.2	78	76	1.6	1.2	5.9	6.8	76	82	16	5	14	6	2	5	0.5	Very fine all day.
20	1021.7	1021.3	75.8	75.5	78	76	1.3	1.1	6.0	6.1	80	83	18	3	14	4	8	10	—	Very fine all day.
21	1020.3	1021.3	75.6	75.5	77	75	0.8	0.9	6.4	6.3	87	86	14	8	14	3	2	2	—	Fine to very fine all day.
22	1021.3	1020.6	75.0	76.0	76	74	1.1	1.4	5.9	6.0	82	79	14	10	16	6	3	9	—	Breezy and dry. — all day.
23	1015.9	1009.1	74.3	77.1	78	74	1.1	0.9	5.4	7.1	80	87	16	7	18	8	1	2	—	Fine and dry. [lating 21 h.
24	1005.1	998.3	79.5	80.4	82	77	0.6	1.0	8.8	8.9	92	87	16	11	20	13	9	0	2.5	• 14 h.-16 h. Stars scintill.
25	1005.1	983.7	79.5	81.6	82	77	1.1	0.6	8.2	10.4	85	93	16	7	18	11	10	10	9.7	• intermittently all day.
26	999.6	1006.4	77.2	76.3	82	76	1.2	0.6	6.8	7.0	82	91	20	11	28	11	7	7	4.6	Showers all day.
27	1012.9	1009.5	77.9	78.2	79	74	0.6	1.9	5.8	6.6	88	75	26	3	24	9	2	1	2.3	Very fine a. • 15 h.-18 h.
28	1006.8	997.6	77.0	76.7	79	76	0.9	1.8	7.1	6.0	87	75	18	10	22	12	8	1	10.7	Dull a. Stars scintillating 21 h.
29	1000.7	990.3	74.5	77.4	80	74	0.4	0.6	6.3	7.6	93	91	22	10	16	7	7	8	1.0	▲ and • a. Finer p.
30	998.0	991.2	77.1	80.0	80	76	0.8	0.5	7.2	9.3	89	94	18	3	16	6	10	10	—	Fine a. • 14 h.-19 h.
31	984.1	992.2	81.4	77.2	83	76	0.8	1.1	6.9	6.9	90	84	16	12	20	10	3	2	—	Fine a; strong wind all day.
Mean	1013.9	1012.8	77.0	77.4	79.1	75.9	0.9	1.0	7.1	7.3	87	86	8.5	8.0	7.3	7.3	91.0	0.67		
Mean	1007.6	1006.6																		

ABERDEEN, a.e.—JANUARY 1914.

Heights above Mean Sea Level:—Station, H = 14.0 m.; Barometer, H<sub>b</sub> = 26.8 m. Heights above Ground:—Therms., h<sub>t</sub> = 12.5 m.  
Rain-gauge, h<sub>r</sub> = 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 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
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## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS.

## FORT WILLIAM, INVERNESS-SHIRE, a.—JANUARY 1914.

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. 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.											
	millibar.		200 +	200 +	200 +	200 +			millibar.		%	%	+	+	Tenths of Sky covered.		mm.	hr.	200 +		
1	1032.2	1031.5	78.0	80.2	81	76	1.1	1.1	7.3	8.6	84	86	22	3	20	1	10	15	°	Fresh and humid.	
2	1025.7	1030.1	82.3	79.1	82	79	1.6	1.7	9.4	7.3	81	78	22	3	20	1	10	15		Generally fine and mild.	
3	1027.1	1018.9	79.4	79.0	82	79	0.8	1.2	8.5	7.8	88	83	20	2	20	2	10	15		Dull and showery.	
4	1008.8	995.6	78.1	76.9	80	76	0.8	1.7	7.8	6.1	89	77	20	3	22	5	10	127		Dull and showery. $\Delta$ at times.	
5	992.9	990.5	75.0	74.1	77	73	1.9	0.7	5.0	5.9	69	87	20	5	28	4	8	11.2		Intermittent * showers; $\Delta$ at times.	
6	1002.4	1015.2	74.5	72.5	75	71	1.6	1.1	5.1	4.3	73	72	4	2	12	2	6	9.7		* all day. $\Delta$ 2 in. (ing fine, even).	
7	1015.9	1011.8	74.5	79.5	80	71	0.4	0.6	6.3	8.8	93	92	20	2	20	3	10	0.5		Intermittent * showers; $\Delta$ at times.	
8	1008.8	1008.8	79.5	80.6	81	79	0.7	0.3	8.7	9.9	90	96	20	2	20	3	10	8.1		* early; drizzle p. $\Delta$	
9	1010.1	1013.9	80.2	80.7	81	79	0.2	0.4	9.9	9.8	95	95	20	1	20	1	10	10.9		Muggy. $\Delta$ and $\Delta$ .	
10	1015.9	1021.0	81.1	80.8	82	80	0.4	0.1	10.1	10.5	95	98	20	1	20	1	10	5.6		Drizzle and $\Delta$ all day.	
																		1.8			Dull and $\Delta$ ; drizzle at times. (= on hills)
11	1025.4	1030.4	79.7	77.4	81	77	1.9	2.7	7.3	5.4	74	65	16	3	14	4	10	—			$\Delta$ and dull.
12	1035.2	1039.6	73.0	72.4	77	73	1.7	1.8	4.0	3.4	65	58	8	1	8	1	10	—			Clear and sunny.
13	1041.0	1040.3	70.2	72.4	73	69	1.1	1.3	3.0	4.1	61	69	8	1	8	1	10	—			$\Delta$ all day.
14	1037.9	1035.5	69.5	69.1	72	68	1.0	0.7	2.9	3.2	61	70	8	1	8	1	10	—			Sunny: $\Delta$
15	1034.2	1030.8	67.7	68.7	72	66	1.2	0.2	3.6	3.7	89	84	8	1	8	1	10	—			$\Delta$ and $\Delta$ early; sunny inter.
16	1026.7	1021.3	66.0	71.3	72	66	0.2	0.4	3.1	4.6	87	86	8	1	8	1	10	—			$\Delta$ and $\Delta$ early; sunny inter.
17	1017.9	1019.3	75.1	74.8	77	71	1.6	0.7	5.3	6.1	74	88	8	2	24	1	10	—			Slow thaw. $\Delta$
18	1020.6	1020.0	72.5	76.8	77	71	0.3	2.8	5.5	5.1	93	63	8	2	24	1	10	—			Dull and $\Delta$ .
19	1019.3	1019.6	75.0	73.6	77	73	2.0	2.1	4.9	3.9	68	62	8	1	5	1	10	—			Fine with $\Delta$ .
20	1021.7	1020.6	71.9	70.1	76	70	1.6	1.0	3.4	3.2	60	64	8	1	5	1	10	—			Fine and sunny.
21	1021.0	1022.7	68.8	69.6	74	68	0.7	0.1	3.2	4.5	70	95	8	1	5	1	10	—			Fine and sunny.
22	1022.7	1020.3	68.5	74.5	75	67	0.6	2.5	3.1	4.2	71	61	8	1	5	1	10	—			$\Delta$ with sunny intervals; frosty.
23	1016.2	1012.2	76.5	77.4	79	72	2.3	0.6	5.3	7.6	91	20	3	2	3	1	10	—			Slow thaw. $\Delta$ in evening.
24	1008.5	1007.8	79.6	81.6	82	77	0.4	1.8	9.1	8.5	94	77	20	4	20	2	10	—			* till 18 h.; then dull but fair.
25	1005.7	999.5	78.6	81.9	84	78	0.6	0.9	8.4	10.0	92	89	20	1	20	2	10	—			* till 18 h.; then dull but fair.
26	1007.4	1012.5	77.3	77.9	85	75	1.7	1.7	6.3	6.6	77	22	2	24	1	6	10	—			* till 18 h.; then dull but fair.
27	1016.2	1016.6	75.2	79.5	80	74	1.2	2.2	5.9	7.0	81	73	20	1	20	2	10	—			* till 18 h.; then dull but fair.
28	1012.5	1005.7	78.5	77.3	80	77	1.1	1.8	7.7	6.2	86	74	20	4	20	2	10	—			Unsettled and showery. $\Delta$ on hills.
29	1006.4	1001.7	77.0	76.9	79	75	0.7	1.1	7.3	6.8	90	85	20	3	20	1	10	—			Fine a. * and $\Delta$ p.
30	999.3	995.9	76.4	82.4	82	76	0.3	0.3	7.3	11.4	95	97	20	2	20	4	10	—			Dull, bleak and showery.
31	989.1	999.3	83.5	78.0	85	76	2.3	1.7	9.3	6.7	73	77	20	6	20	4	10	—			Fair generally, but $\Delta$ at 9 h. and $\Delta$ all day.
																		8.6			Boisterous with heavy showers.
Mean	1016.9	1016.1	75.6	76.4	78.7	73.6	1.1	1.2	6.3	6.5	80	80	1.8	1.9	7.5	6.8	282.2				
Mean Barometer at Station Level.	1015.5	1014.6																			

## DOUGLAS, ISLE OF MAN, a.—JANUARY 1914.

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.

	1035.9	1034.9	78.0	80.0	80	n 73	0.7	0.9	7.8	8.8	90	83	24	2	24	2	10	10	—	—	n 69	~ a. Dull.	16 h.		
2	1032.8	1031.8	80.4	80.8	82	80	0.6	0.6	9.5	9.8	92	93	24	3	26	3	10	10	0.3	—	75	Dull and squally.	13 h.		
3	1032.2	1024.7	78.6	80.7	81	78	0.6	0.5	8.5	9.8	92	94	24	2	24	3	10	10	1.0	0.1	77	Dull and squally.	p.		
4	1015.6	1000.3	81.9	80.1	83	80	0.1	0.0	11.2	10.2	99	100	22	6	24	6	10	10	3.9	—	77	Dull and squally.	* at times		
5	1002.7	995.9	76.3	75.2	80	75	1.0	0.0	6.5	7.1	85	100	24	4	24	7	2	10	▲*	5.3	4.1	74	~ early a. Squally.	▲	
6	1005.4	1016.9	75.4	75.8	79	74	0.9	1.2	6.5	6.1	86	81	26	7	30	1	8	2	1.5	2.3	73	Cloudy and squally.	▲		
7	1021.7	1019.6	75.2	79.0	79	74	0.5	0.8	6.5	8.2	91	88	24	1	22	3	4	~	8	1.0	2.7	76	Fine. • showers after 18 h.	▲	
8	1013.5	1011.8	81.8	83.1	84	79	0.0	0.0	11.2 <td>12.2</td> <td>100</td> <td>100</td> <td>20</td> <td>3</td> <td>20</td> <td>2</td> <th>10</th> <th>10</th> <th>10</th> <th>10</th> <th>16.4</th> <th>72</th> <th>• showers a. and after 18 h.</th> <th>▲</th>	12.2	100	100	20	3	20	2	10	10	10	10	16.4	72	• showers a. and after 18 h.	▲	
9	1013.5	1017.3	83.0	81.9	85	82	0.0	0.0	12.2	11.5	100	100	22	2	20	1	10	10	10	10	7.7	0.4	81	Dull and mild. • 19 h. • 21 h.	▲
10	1017.3	1022.3	80.9	78.2	82	78	0.0	0.2	10.5	8.5	100	98	8	1	10	1	10	10	2.6	—	80	• showers.	▲		
11	1027.4	1031.1	75.8	74.1	79	74	0.9	1.5	6.5	5.1	86	74	10	3	12	6	10	4	—	0.3	75	Cloudy, cold and squally.	▲		
12	1035.4	1038.6	74.1	74.3	79	74	1.9	1.6	4.4	5.1	67	72	12	5	12	4	10	10	—	—	71	Overcast, squally and cold.	▲		
13	1038.9	1036.9	74.9	74.7	n 76	74	1.5	1.5	5.4	5.1	75	75	10	2	8	2	10	8	—	—	73	~ a. Cloudy. * 10 h.	▲		
14	1034.2	1031.1	73.6	77.4	77	n 73	1.2	0.5 <td>5.1</td> <td>7.8</td> <td>78</td> <td>92</td> <td>2</td> <td>1</td> <td>4</td> <td>2</td> <th>4</th> <th>8</th> <th>—</th> <th>—</th> <th>71</th> <th>~ a. Fine.</th> <th>▲</th>	5.1	7.8	78	92	2	1	4	2	4	8	—	—	71	~ a. Fine.	▲		
15	1031.5	1028.4	76.3	75.0	79	74	0.4	1.2	7.1	5.8	93	80	4	2	6	1	1	4	—	—	71	~ early. Fine. ~ p.	▲		
16	1024.4	1017.6	75.2	76.9	78	74	0.9	0.6	6.1	7.5	85	90	4	1	4	1	8	10	—	1.3	74	~. Dull and cloudy.	▲		
17	1014.5	1015.2	76.9	77.6	79	76	0.8	0.7	7.1	7.5	89	90	4	2	4	3	8	10	—	—	74	Dull and overcast.	▲		
18	1018.6	1020.0	76.9	75.8	78	76	1.2	1.7	6.8	5.8	83	75	12	4	12	5	10	10	—	—	74	Dull and overcast.	▲		
19	1018.6	1018.6	75.2	75.0	77	75	0.6	1.0	6.5	6.1	89	85	10	5	10	5	10	10	—	—	75	Dull and overcast.	▲		
20	1020.0	1020.3	74.7	75.8	n 76	74	1.1	1.3	5.4	6.1	80	80	10	4	10	5	10	10	—	—	73	Overcast and squally.	▲		
21	1021.3	1022.0	75.4	76.3	n 76	75	1.3	1.3	5.8	6.1	80	79	14	4	10	4	10	10	—	0.1	74	Dull and squally.	▲		
22	1022.7	1021.7	75.9	75.2	n 76	75	1.2	1.1	6.1	6.1	81	82	14	3	14	3	10	10	—	—	74	Overcast.	▲		
23	1020.6	1018.6	74.1	77.4	77	74	0.9	0.5	5.4	7.8	82	92	18	2	16	3	10	10	0.5	0.1	72	~ early. Dull and overcast.	▲		
24	1016.6	1015.6	80.2	81.5	82	77	0.0	0.0	10.2	11.2	100	100	18	4	20	6	10	10	—	—	74	• showers.	▲		
25	1013.2	1002.7	81.9	81.7	82	81	0.0	0.9	11.5	9.8	100	89	20	6	22	10	10	8	15.2	—	74	• showers a. and after 20 h.	▲		
26	1016.6	1018.3	76.9	76.9	82	76	0.6	0.6	7.5	7.5	92	92	24	3	24	3	0	3	0.6	—	79	•. • showers a. and after 20 h.	▲		
27	1019.6	1019.6	77.7	81.0	81	76	0.4	0.2 <td>8.2</td> <td>10.5</td> <td>94</td> <td>97</td> <td>24</td> <td>2</td> <td>26</td> <td>5</td> <th>10</th> <th>10</th> <th>—</th> <th>4.9</th> <th>74</th> <th>Fine.</th> <th>▲</th>	8.2	10.5	94	97	24	2	26	5	10	10	—	4.9	74	Fine.	▲		
28	1019.6	1011.2	78.1	80.2	81	76	0.1	0.3 <td>8.8</td> <td>9.8</td> <td>98</td> <td>95</td> <td>22</td> <td>1</td> <td>22</td> <td>3</td> <th>8</th> <th>10</th> <th>3.3</th> <th>—</th> <th>74</th> <th>Dull, with • showers.</th> <th>▲</th>	8.8	9.8	98	95	22	1	22	3	8	10	3.3	—	74	Dull, with • showers.	▲		
29	1012.2	1004.0	77.4	81.3	81	77	0.3	0.0	7.8	10.9	94	100	24	1	20	4	10	10	1.2	—	72	~ early. Dull. • showers.	▲		
30	1005.1	1006.4	81.5	81.9	82	77	0.0	0.0	11.2	11.5	100	100	20	3	20	5	10	10	6.7	—	74	~ early. Dull. • showers.	▲		
31	1001.7	1005.1	82.0	78.6	83	78	0.2	0.6	11.2	8.5	98	92	18	7	24	2	10	10	0.5	—	76	Overcast.	▲		
																					81	• showers.	▲		
Mean	1020.1	1018.7	77.6	78.2	80.0	76.1	0.6	0.7	7.9	8.2	90	90	3.1	3.6	8.5	8.5	71.3	0.85	74.2						
Mean Barometer at Station Level.	1009.3	1007.9																							

† Beaufort Scale (0—12).

† Beaufort Scale (0-12).

$\Delta$  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.—JANUARY 1914.

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.
	millibar.		200 +	200 +	200 +	200 +	millibar.						%	%	Tenths of Sky covered.		mm.	hr.				
1	1037.2	1036.2	74.1	75.5	76	0.69	0.7	0.5	5.8	6.8	86	92	18	4	20	3	10	10	—	0.65	Overcast.	
2	1033.2	1034.2	78.3	80.0	82	75	0.3	0.9	8.5	8.8	96	88	20	5	24	2	10	10	—	0.4	Overcast.	
3	1032.2	1023.4	77.4	80.2	81	77	0.3	0.6	7.8	9.2	95	91	20	3	20	5	10	10	2.9	0.5	Cloudy.	
4	1031.5	1003.4	82.1	78.8	83	79	0.4	0.4	10.9	8.5	96	94	20	4	22	3	10	10	—	0.4	Most of day.	
5	1002.4	997.6	73.4	73.4	79	74	0.4	0.4	5.8	5.8	92	92	20	4	22	3	10	10	4.7	1.0	* showers.	
6	1010.1	1018.9	73.9	71.9	76	72	0.9	0.5	5.4	5.1	84	86	26	2	24	2	2	0	—	2.5	Fine.	
7	1020.6	1017.6	73.6	77.1	77	72	0.4	0.4	5.8	7.8	92	96	20	3	18	4	2	0	—	2.7	Fine.	
8	1010.5	1010.1	82.1	83.9	84	77	0.3	0.3	11.2	12.6	96	96	18	4	18	4	10	10	—	6.6	Overcast. from 20 h.	
9	1012.5	1014.9	84.0	83.6	85	84	0.5	0.7	12.2	11.5	93	92	20	4	18	2	10	10	—	8.3	Overcast.	
10	1016.9	1021.0	82.3	80.9	84	81	0.5	0.7	10.9	9.8	93	92	18	2	—	1	9	10	—	0.1	Overcast.	
11	1025.4	1029.4	78.0	78.0	81	72	0.7	0.9	7.8	4.4	90	74	—	1	—	1	10	0	—	—	78	Overcast till sunset.
12	1034.2	1037.2	73.0	73.8	75	71	0.3	1.1	5.8	5.1	93	81	—	1	12	2	0	10	—	2.2	68	a. Fine a. Overcast p.
13	1038.6	1036.9	74.6	74.1	76	74	1.1	0.6	5.4	5.8	81	87	—	1	—	1	10	10	—	—	72	Overcast.
14	1034.5	1032.2	74.6	75.5	77	74	1.6	0.9	5.1	6.1	73	85	6	3	—	1	10	10	—	1.1	73	Cloudy.
15	1031.8	1029.1	75.6	75.8	78	75	0.4	0.3	6.8	7.1	94	96	—	1	—	0	10	10	—	—	74	Overcast.
16	1023.7	1017.6	73.5	75.7	77	72	0.5	1.0	5.8	6.1	91	85	—	0	4	2	10	10	—	—	70	Overcast.
17	1015.2	1016.2	75.2	75.2	78	75	0.3	0.4	6.8	6.8	95	92	—	1	—	1	10	10	—	—	74	Overcast.
18	1017.9	1017.6	74.7	77.0	78	75	0.4	1.7	6.5	6.1	93	76	—	0	12	3	10	10	—	—	72	Overcast.
19	1016.2	1017.3	75.2	75.2	77	75	1.6	1.6	5.4	5.4	75	74	10	3	10	4	10	10	—	—	74	Overcast.
20	1018.9	1018.3	74.1	75.0	76	74	1.7	1.4	4.8	5.4	71	77	—	1	12	2	10	10	—	—	73	Overcast.
21	1018.6	1020.3	75.8	74.8	76	75	0.7	1.4	5.4	5.4	74	76	14	2	12	2	10	10	—	—	74	Overcast.
22	1020.6	1018.6	74.1	74.1	76	74	1.7	1.6	4.8	4.8	72	72	16	3	16	3	10	9	—	—	74	Overcast.
23	1016.6	1013.9	76.9	78.3	80	74	1.2	1.6	6.8	7.1	83	79	14	5	16	5	10	10	1.0	3.8	73	Fine.
24	1011.2	1013.2	80.6	82.8	85	79	0.5	0.4	9.8	11.5	94	95	18	7	20	5	10	10	3.2	—	77	Warm damp day.
25	1007.8	1001.3	85.1	80.2	86	80	1.0	1.1	12.2	8.5	88	85	18	8	20	10	10	10	0.9	—	80	Warm damp day.
26	1016.2	1019.6	75.9	74.1	80	74	1.1	0.2	6.1	6.5	83	95	20	5	22	2	1	0	1.8	3.3	74	Fine a. showers p.
27	1019.3	1021.7	77.8	78.4	81	74	0.4	0.4	8.2	8.5	94	94	20	3	24	3	10	10	1.2	—	72	showers a. Overcast
28	1016.9	1010.8	78.3	78.5	81	76	1.4	1.2	7.1	7.8	81	85	18	5	20	2	10	10	2.0	—	75	Overcast. showers from 17
29	1009.8	1001.0	77.3	81.4	82	76	0.9	0.3	7.1	10.5	87	96	20	2	18	4	10	10	1.3	—	74	Overcast. showers from 13
30	1000.7	1001.3	83.7	83.7	85	76	0.9	0.8	11.5	11.5	90	91	18	8	18	9	10	10	0.4	—	76	Overcast, occasional drizzle.
31	992.2	1003.7	83.9	76.2	84	76	2.1	1.1	9.8	6.5	76	83	16	9	18	3	10	10	4.1	0.4	82	12 h. 30 m.-14 h., then fine
Mean	1018.6	1017.9	77.4	77.3	79.8	75.2	0.8	0.8	7.6	7.5	87	87	3.4	3.0	8.8	9.0	35.0	0.58	74.3			
Mean Bar- ometer at Station Level.	1010.9	1010.2																				

## DUBLIN (PHOENIX PARK), a.—JANUARY 1914.

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	1037.9	1036.9	74.8	76.8	77	n 69	0.7	0.9	6.1	6.8	89	86	26	1	24	1	7	10	—	—	n 65	Overcast.
2	1035.5	1034.9	78.5	80.1	82	76	0.7	1.1	8.2	8.5	91	86	24	1	26	1	10	10	—	0.1	74	Overcast.
3	1034.2	1026.7	77.4	80.4	81	77	0.3	0.8	7.8	9.2	95	89	24	2	22	3	10	10	0.3	0.1	76	Overcast. ● 14 h.-20 h. [21
4	1017.2	1006.1	82.5	80.7	83	79	1.1	0.5	10.2	9.8	86	94	22	4	22	5	10	10	4.1	—	78	Overcast. ● <sup>2</sup> p. ✕ <sup>2</sup> from
5	1006.4	1001.7	74.9	73.9	81	74	0.9	0.8	6.1	5.4	85	84	22	4	24	4	3	5	2.1	3.0	71	Bright to overcast. ✕ <sup>2</sup> till 10 h. 20 m. Beautiful day
6	1011.5	1020.0	74.2	73.5	77	73	0.8	0.4	5.8	5.8	84	92	26	3	24	1	1	2	—	4.6	71	✕ <sup>2</sup> till 10 h. 20 m. Beautiful day
7	1022.3	1020.0	73.7	79.1	80	70	0.8	1.4	5.4	7.8	85	81	Calm	0	20	3	4	8	0.5	3.0	68	Fine.
8	1012.9	1012.5	83.8	85.6	86	79	0.9	0.8	11.5	12.9	90	90	20	3	22	3	10	10	1.5	0.1	74	● <sup>2</sup> a. and p. Overcast.
9	1014.2	1016.2	84.7	84.0	86	83	0.5	0.7	12.9	11.9	94	91	24	3	Calm	0	10	10	3.1	0.8	82	Dull.
10	1017.9	1022.0	82.0	80.9	85	81	0.6	0.6	10.5	9.8	93	93	26	1	Calm	0	10	10	—	—	79	● <sup>2</sup> early a. Overcast.
11	1024.4	1028.4	79.6	76.8	82	76	0.5	1.5	9.2	6.5	93	80	Calm	0	12	1	10	5	—	—	77	Overcast.
12	1033.5	1036.6	74.6	74.3	77	74	1.2	1.9	5.4	4.8	79	86	Calm	0	12	2	8	10	—	—	71	Overcast.
13	1037.9	1035.5	75.3	76.2	77	74	1.7	1.3	5.4	6.1	73	79	8	1	8	1	10	8	—	—	71	Overcast.
14	1033.2	1030.5	76.0	77.8	79	75	1.9	1.5	5.4	6.8	72	79	8	2	8	3	10	6	—	0.2	74	Dull.
15	1031.1	1028.8	78.3	77.3	80	76	1.3	1.0	7.1	7.1	82	85	10	1	Calm	0	9	10	—	—	71	Overcast.
16	1023.4	1016.9	77.1	78.1	79	76	1.6	1.6	6.5	6.8	78	79	10	1	10	2	8	10	—	—	71	Overcast.
17	1014.2	1015.6	77.8	76.6	79	76	0.8	0.3	7.5	7.5	88	96	Calm	0	Calm	0	8	10	x 6.6	—	71	Overcast. ● <sup>2</sup> p.
18	1017.3	1017.3	74.1	76.5	78	73	0.1	1.1	6.5	6.5	99	84	Calm	0	Calm	0	10	8	—	0.3	74	Dull.
19	1016.2	1016.2	75.6	75.7	79	75	1.4	1.5	5.8	5.8	79	78	10	1	10	2	10	10	—	—	72	Overcast.
20	1018.3	1018.3	75.2	75.2	n 76	74	1.6	1.2	5.4	5.8	75	82	8	1	12	2	10	10	—	—	73	Overcast.
21	1019.3	1019.6	74.9	75.0	n 76	75	1.0	1.2	5.8	5.8	84	80	14	1	Calm	0	10	10	—	—	72	Overcast.
22	1021.0	1019.3	74.5	74.8	n 76	74	1.0	0.7	5.8	6.1	82	88	16	1	14	1	10	10	—	0.4	73	Cloudy.
23	1017.6	1016.2	77.2	79.5	80	75	0.8	1.0	7.1	8.5	88	86	12	1	18	2	10	10	—	1.9	74	Cloudy.
24	1014.5	1015.2	82.4	84.0	84	79	1.6	0.5	9.5	12.2	80	94	18	4	20	4	10	10	2.3	—	76	Overcast. ● midnight.
25	1012.2	1006.8	84.6	80.2	85	80	0.6	1.0	12.6	8.8	93	87	20	5	22	7	10	5	0.9	—	82	Overcast.
26	1018.6	1021.0	76.4	75.1	81	75	0.7	0.4	6.8	6.8	89	94	22	2	24	3	0	0	1.0	5.5	72	Beautiful day.
27	1021.7	1022.3	77.4	79.6	82	75	0.1	0.5	8.2	9.2	99	93	24	2	26	2	10	0	2.1	—	71	● 5 h.-7 h. Overcast.
28	1020.3	1012.2	78.2	79.6	82	76	0.9	0.1	7.8	9.5	88	99	20	1	22	3	9	10	1.0	0.4	72	Cloudy.
29	1011.2	1003.0	78.8	82.4	84	76	0.1	0.2	8.8	11.5	98	98	Calm	0	20	3	10	10	2.0	—	73	Overcast.
30	1004.4	1005.4	84.0	84.0	86	78	0.5	0.6	12.2	12.2	93	93	20	4	20	5	10	10	0.1	0.1	75	Dull.
31	998.0	1005.4	84.1	73.2	86	74	1.0	0.1	11.5	6.1	87	98	18	6	Calm	0	7	2	5.1	—	80	● showers 10 h.-15 h.
Mean	1019.9	1018.9	78.1	78.3	80.9	75.7	0.9	0.9	7.9	8.0	87	87	1.8	2.1	8.5	8.0	32.7	0.66	73.8			
Mean Bar- ometer at Station Level.	1013.9	1012.9																				

\* Metres per second.

† Beaufort Scale (0—12).

METEOROLOGICAL OFFICE, LONDON,

\* Metres per second.

† Beaufort Scale (0-12).

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

METEOROLOGICAL OFFICE, LONDON.  
April 22nd, 1914.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

## DEERNES, ORKNEY, a.b.—FEBRUARY 1914.

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 273° A. 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 beginning 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.												
																			Tenths of Sky covered.									
																			mm.	hr.								



## FORT WILLIAM, INVERNESS-SHIRE, a.—FEBRUARY 1914.

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 273° A. 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 beginning 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.	hr.		200 +
							9 h.	21 h.	9 h.	21 h.		9 h.	21 h.								
	millibar.		200 +	200 +	200 +	200 +	millibar.						%	%	+	+	Tenths of Sky covered.		mm.		
1	998.3	999.0	79.7	83.1	84	76	1.1	0.2	8.3	12.0	84	98	20	3	20	4	100	100	268.0	Boisterous day: *.	
2	999.3	1002.4	84.3	79.0	86	79	1.3	0.4	11.2	8.7	84	94	20	6	20	2	100	100	27.2	Boisterous day: *.	
3	1008.1	1002.0	75.6	84.7	85	75	0.5	1.7	6.8	10.9	92	79	Cal	0	20	6	1	100	4.8	Fair to fine. evening.	
4	1004.4	1003.7	81.9	82.4	85	81	0.4	1.1	10.6	10.1	94	86	20	4	20	4	100	100	13.5	Fair to fine: squally, evening.	
5	1007.8	1009.5	79.7	77.1	84	77	0.4	0.7	9.3	7.3	94	90	16	1	8	3	100	100	31.8	* all day.	
6	1003.0	997.3	79.7	79.9	85	77	0.6	2.0	9.0	7.4	92	73	Cal	0	20	4	100	100	7.6	Fair to fine. 21 h.	
7	994.2	985.4	79.3	80.2	81	76	2.4	2.2	6.6	7.2	69	72	20	5	20	2	100	9	11.9	Fair to fine.	
8	982.0	985.8	76.9	79.7	81	75	0.4	0.9	7.6	8.5	94	86	20	1	20	5	100	100	1.0	Dull and showery: squally.	
9	1005.1	1003.7	75.5	76.7	80	75	1.8	1.1	5.3	6.7	73	85	18	3	8	1	0	10	1.0	Fine and clear: showers.	
10	1001.0	997.3	79.3	80.3	82	76	1.9	0.8	7.1	9.1	75	90	20	4	20	1	10	10	9.9	Dull, but fair: showers evening.	
11	986.4	988.5	79.7	78.3	82	79	1.8	1.4	7.5	7.1	76	81	20	5	14	4	100	10	2.5	Dull, but fair: * on hills.	
12	987.5	986.1	76.8	77.4	81	75	1.6	1.4	6.2	6.8	78	80	20	4	8	3	5	10	5.6	Fine a; sleet, * p. (night).	
13	993.6	990.5	77.3	81.9	82	75	1.5	2.8	6.6	7.6	78	86	20	5	20	3	7	100	14.2	Squally at times: showery.	
14	988.1	986.4	75.2	76.7	82	74	0.6	0.7	6.6	7.2	91	91	20	6	Cal	0	10	100	22.1	* a. * sleet, * during day.	
15	984.7	996.6	78.4	76.9	82	76	0.9	0.6	7.8	7.3	87	91	Cal	0	20	2	9	100	6.4	Sunny intervals: showers night.	
16	1004.4	1010.5	76.9	76.4	79	76	0.7	1.1	7.2	6.5	90	83	20	3	20	2	100	100	5.3	Dull and showery.	
17	1009.8	988.8	75.9	78.3	79	74	0.8	0.5	6.6	8.3	87	94	20	1	24	3	100	100	10.9	Fine till evening: * later.	
18	989.5	989.8	76.3	75.6	79	75	1.1	0.9	6.5	6.3	83	86	20	5	20	3	100	100	4.1	* sleet a; fine p.	
19	990.2	992.5	76.7	75.2	80	74	0.6	0.6	3.6	6.5	76	90	Cal	0	Cal	0	0	100	0.5	Clear and sunny. * night.	
20	992.5	979.3	75.2	79.6	80	74	0.7	2.4	6.4	6.8	89	70	Cal	0	12	6	10	10	15.0	Dull, showery and squally.	
21	971.2	977.6	77.8	77.4	81	74	1.1	2.3	7.3	5.7	85	68	20	5	20	2	6	2	6.4	Sleet. * : sunny intervals.	
22	969.5	962.7	78.5	78.6	81	75	1.8	1.2	6.9	7.6	77	84	6	4	8	1	100	100	6.9	Sleety rain all day.	
23	966.8	980.3	78.6	77.4	81	76	1.1	0.5	7.7	7.7	85	93	20	2	Cal	0	100	10	9.1	Dull and showery.	
24	992.2	1003.7	75.2	76.3	83	74	1.2	1.2	5.9	6.3	80	81	Cal	0	Cal	0	4	1	4.3	Fine and sunny.	
25	1011.5	1009.5	75.9	77.6	81	75	0.7	1.2	6.8	7.0	90	83	Cal	0	Cal	0	9	2	—	Fair to fine.	
26	1006.8	1011.8	79.0	76.3	80	76	1.6	1.2	7.3	6.4	79	82	20	4	20	2	10	0	0.5	Dull, but fine: * evening.	
27	1016.6	1013.9	74.5	82.1	82	76	0.9	1.3	5.7	9.5	83	83	Cal	0	22	3	8	100	0.8	Mostly fair: * evening.	
28	1009.5	1007.1	81.4	80.5	82	80	0.3	0.4	10.5	9.7	96	95	20	4	20	2	10	10	14.7	Dull and showery.	
Mean	995.5	995.1	77.7	78.8	81.8	75.6	1.1	1.2	7.3	7.8	84	84	2.7	2.4	8.1	8.3	309.1				
Mean Barometer at Station Level.	994.0	993.6																			

## DOUGLAS, ISLE OF MAN, a.—FEBRUARY 1914.

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.

1	1005.7	1009.8	82.5	82.4	83	76	0.1	0.0	11.9	11.9	99	100	18	5	18	5	100	Squally and overcast. * p.	
2	1010.8	1008.5	82.0	82.4	83	82	0.5	0.1	10.8	11.5	94	99	18	6	18	6	100	Squally and overcast.	
3	1010.5	1011.8	81.9	82.2	83	82	0.0	1.0	11.5	10.2	100	87	20	4	16	3	100	Dull and overcast. Squally.	
4	1012.2	1012.5	82.3	82.2	83	81	1.2	0.7	9.8	10.5	84	91	16	4	18	5	10	Dull and overcast. Squally.	
5	1012.9	1012.5	81.9	81.6	82	81	0.6	0.5	10.5	10.2	93	93	16	4	18	3	100	Dull and overcast. Squally.	
6	1006.8	1003.0	79.3	79.1	82	79	0.2	0.4	9.1	9.1	98	97	10	3	24	1	10	Overcast. * showers 18 h.-20 h.	
7	997.6	990.5	80.2	80.3	81	76	0.5	0.1	9.5	10.2	92	99	14	5	18	4	8	Overcast. * showers 18 h.-20 h.	
8	988.5	997.3	81.0	80.8	82	77	0.6	0.6	9.8	9.8	94	93	18	6	20	6	4	Overcast. * showers 14 h.-20 h.	
9	1007.1	1003.7	79.4	80.2	81	77	0.3	0.0	9.1	10.2	96	100	12	2	18	2	10	Squally. * showers 14 h.-20 h.	
10	1005.1	1002.0	81.0	80.4	82	80	0.0	0.2	10.8	10.2	100	98	16	3	16	3	100	Overcast. * showers after 14 h.	
11	995.9	991.2	79.2	80.9	82	77	0.5	1.2	8.8	8.8	92	85	22	3	18	2	0	Fine. [showers with a.]	
12	993.9	986.1	79.1	78.6	81	77	0.8	0.1	8.5	8.8	88	98	18	3	22	3	6	* a. Overcast, with showers.	
13	1002.4	996.9	79.2	81.3	82	75	0.6	0.0	8.5	10.8	90	100	20	3	18	5	8	Dull, with * showers.	
14	1000.3	994.6	80.7	82.7	83	78	1.0	0.0	9.1	12.2	87	100	22	6	20	7	10	Squally, with * showers.	
15	991.9	1004.4	81.0	78.6	83	78	1.1	0.7	9.1	8.1	86	91	20	5	22	4	8	Squally, with * showers.	
16	1012.2	1014.9	77.2	77.0	81	77	0.7	0.9	7.4	7.1	90	87	24	1	24	3	8	Squally, with * showers.	
17	1014.9	997.3	76.1	80.2	81	74	0.4	0.2	7.1	9.8	94	96	22	2	24	6	10	Very fine.	
18	996.6	993.9	77.0	76.2	81	76	0.9	0.3	7.1	7.1	87	95	22	4	22	4	3	Early. * 13 h.-20 h. [30 m.]	
19	992.2	996.3	78.0	78.5	80	76	0.6	0.9	8.1	7.8	92	88	24	3	26	4	8	Fine. * 12 h. 30 m.-14 h.	
20	996.6	980.3	79.6	80.3	81	76	0.5	0.0	9.1	10.2	94	100	16	4	12	6	10	Squally, with * showers.	
21	978.0	978.7	77.8	78.0	81	76	0.9	0.6	7.4	8.1	87	92	20	5	12	6	8	Early. * after 14 h.	
22	958.3	964.4	79.1	76.9	80	75	0.4	0.0	8.8	8.1	94	100	10	6	20	4	10	* a. Fine afternoon.	
23	975.6	983.7	78.5	77.4	81	76	0.5	0.3	8.5	7.8	94	94	22	3	24	1	10	Cloudy, with *.	
24	993.9	1005.1	76.3	75.2	82	75	0.2	0.3	7.4	6.8	96	94	26	1	30	1	6	Fine. * 22 h.	
25	1010.8	1011.2	77.6	78.2	81	74	0.2	0.8	8.1	7.8	98	90	28	1	Cal	0	6	~ early. Very fine.	
26	1010.1	1014.2	79.3	80.2	81	78	0.4	0.0	9.1	10.2	95	100	18	2	20	2	100	~ Cloudy and mild.	
27	1018.3	1018.9	80.4	81.2	81	80	0.2	0.0	10.8	10.5	98	100	14	2	18	3	10	Overcast, with * showers.	
28	1016.2	1012.2	80.8	80.2	82	80	0.0	0.0	10.2	10.2	100	100	20	3	24	1	10	Overcast. * after 13 h.	
Mean	1000.5	999.8	79.6	79.8	81.7	77.5	0.5	0.4	9.1	9.4	93	95	3.5	3.6	8.3	7.3	108.1	1.79	75.7
Mean Barometer at Station Level.	990.0	989.3																	
† Beaufort Scale (0-12).																			

+ Beaufort Scale (0-12).

z denotes the highest and n the lowest of the values in the column.  
Temperatures at or below the normal freezing point of water are printed in small type.

## SHREWSBURY, SHROPSHIRE.—FEBRUARY 1914.

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.

Day.	Barometer at 273° A. 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 beginning 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	1012.2	1015.6	85.2	84.4	87	84	1.6	2.2	11.2	9.8	80	74	20	6	20	5	10	7	—	84	Fine.
2	1016.6	1014.2	80.6	80.3	86	80	1.4	1.2	8.5	8.5	82	84	18	2	20	5	7	4	—	77	Fine.
3	1015.6	1017.3	83.6	80.2	86	80	1.4	0.9	10.5	8.8	84	87	20	3	20	1	10	5	—	77	Fine.
4	1016.9	1016.9	80.3	80.8	85	79	1.0	0.6	8.8	9.8	86	93	20	3	18	3	6	0	—	76	Cold, with sunny intervals.
5	1017.3	1015.2	79.8	80.3	85	79	0.5	1.1	9.1	8.8	93	85	18	3	18	1	7	7	—	76	Fine.
6	1010.1	1005.7	80.0	80.5	81	78	1.1	0.3	8.5	9.8	85	96	18	2	18	2	8	10	—	75	Dull and cold.
7	1002.7	994.9	78.3	80.5	81	76	0.8	1.1	7.8	8.8	90	86	18	3	18	3	5	10	1.0	73	Cloudy and cold.
8	997.3	1003.0	80.8	79.1	84	79	2.1	1.9	7.8	7.1	74	75	20	3	20	3	5	3	—	77	Fine.
9	1009.1	1006.1	75.2	81.4	82	73	0.5	0.5	6.4	10.2	91	93	16	1	Calm	0	10	8	—	n 71	— a. Cloudy.
10	1008.5	1006.1	81.5	81.9	86	80	0.5	1.4	10.2	9.1	93	83	20	3	20	3	4	9	1.3	77	Dull and cloudy.
11	1001.0	992.5	80.2	80.9	85	79	1.1	0.6	8.5	9.8	85	93	20	1	Calm	0	8	7	2.9	79	— a. Cloudy. — n.
12	999.0	991.5	78.3	79.3	82	76	1.1	1.4	7.4	7.8	85	88	20	3	20	6	5	7.6	74	Cloudy. — from 15 h.	
13	1008.1	1002.0	78.1	82.6	84	75	1.2	0.2	7.1	11.5	83	98	20	2	20	2	6	8	2.0	73	— showers all day.
14	1006.1	1002.0	82.7	84.8	86	80	2.9	1.0	7.8	11.9	66	87	20	2	20	7	10	10	7.6	80	Cloudy. — from 16 h.
15	1004.0	1007.4	83.0	79.7	86	79	3.3	2.0	7.8	7.4	n63	74	20	6	20	4	8	0	—	80	— showers a.
16	1014.9	1016.9	78.7	76.3	82	76	1.3	1.1	6.4	6.4	84	83	20	2	20	1	8	0	—	74	Fine.
17	1018.3	1006.4	75.2	76.9	80	72	0.8	1.0	6.1	6.8	87	86	20	1	20	1	1	10	2.0	n 71	— a. Dull. — from 21 h.
18	999.6	999.0	76.9	74.7	81	72	1.0	1.1	6.8	5.4	86	80	20	2	Calm	0	10	0	—	73	— a. Very fine.
19	996.3	999.6	77.7	78.9	82	74	1.1	1.7	7.1	7.1	84	78	20	2	28	2	10	0	0.5	72	Dull, with — showers.
20	1000.3	986.1	75.9	81.8	83	74	0.7	0.8	6.8	10.2	89	90	18	2	18	2	10	10	3.3	72	Dull and cloudy.
21	986.1	983.4	78.0	75.8	83	75	1.5	0.6	6.8	6.8	79	91	18	3	14	2	4	7	6.9	74	Cloudy and cold.
22	962.7	972.2	79.8	76.9	82	75	1.7	1.3	7.8	6.4	77	81	18	8	18	2	5	3	1.8	75	— showers a. Fine, but cold.
23	981.4	987.5	77.5	75.2	82	76	0.3	0.0	8.1	7.1	94	100	18	2	Calm	0	5	0	0.3	75	Fine.
24	994.9	1003.4	73.5	74.1	n 79	71	0.5	0.0	5.8	6.8	91	100	Calm	0	Calm	0	10	10	—	n 71	— a. — all day.
25	1011.5	1011.8	71.9	79.3	82	n 70	0.0	2.1	5.8	6.8	100	73	Calm	0	Calm	0	10	10	—	n 71	— a. Fine.
26	1013.2	1016.6	78.6	76.4	84	76	0.9	0.2	8.1	7.4	89	97	20	1	Calm	0	8	0	—	74	Cloudy.
27	1020.6	1021.7	78.1	80.2	84	72	0.1	1.0	8.8	8.8	86	20	2	Calm	0	10	0	—	72	Dull. — showers p.	
28	1019.6	1015.2	80.9	81.9	84	79	0.6	1.1	9.8	9.8	93	86	18	2	18	2	10	7	2.5	76	
Mean	1005.2	1003.9	79.0	79.5	83.6	76.4	1.1	1.0	8.0	8.4	85	86	2.7	2.0	7.5	5.4	46.7			75.0	
Mean Barometer at 273° A. (Latitude 45°.)	997.3	996.1																			



## ARMAGH, a.—FEBRUARY 1914.

Heights above Mean Sea Level:—Station, H = 59.8 m.; Barometer, H<sub>b</sub> = 61.6 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.3 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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	1000.0	1002.7	84.5	84.9	86	76	0.9	1.3	11.9	11.5	88	84	16	8	16	8	10	Overcast.		
2	1003.0	1002.0	84.6	84.0	86	83	2.1	1.2	10.5	11.2	76	86	16	9	18	9	10	Overcast.		
3	1007.4	1005.4	81.7	83.5	85	78	0.5	1.3	10.5	10.5	95	85	16	1	16	7	10	Overcast.		
4	1007.1	1006.4	82.9	83.0	85	82	1.3	1.5	10.2	9.8	85	82	16	6	16	7	10	Overcast.		
5	1007.4	1007.4	83.6	82.4	85	82	1.4	1.6	10.5	9.5	83	80	16	6	14	8	10	Overcast.		
6	999.3	1001.0	81.7	76.4	84	76	0.9	1.2	9.8	6.4	88	82	14	6	18	3	9	Fine.		
7	990.2	984.1	78.3	78.8	82	75	0.9	1.2	7.8	7.8	88	85	14	8	16	6	10	Cloudy.   ● from 20 h.		
8	984.7	995.2	79.8	80.0	81	77	1.7	1.3	7.8	8.1	77	83	18	7	20	6	0	Fine till 17 h.		
9	1005.7	1002.4	76.2	77.4	80	74	0.6	0.5	7.1	7.8	91	92	1	1	1	1	10	Overcast, with ● showers.		
10	1001.0	994.9	79.6	80.0	82	77	1.7	1.9	7.4	7.4	77	75	16	4	16	7	1	Fine a.   ● from 20 h.		
11	993.6	987.5	79.3	78.0	82	77	1.5	1.3	7.4	7.1	79	82	20	5	16	8	0	Fine a.   Overcast p.		
12	989.1	987.8	77.3	75.4	81	75	1.5	0.9	6.4	6.1	78	85	16	5	28	4	0	Fine a.   ● 14 h.-16 h.		
13	996.6	990.5	77.2	80.6	85	74	0.5	2.2	7.4	7.4	92	72	16	7	16	8	10	Cloudy.		
14	998.3	987.5	79.3	84.5	85	76	1.7	0.5	7.4	12.5	77	93	20	8	18	10	10	Overcast.   ● showers p.		
15	987.8	1003.4	79.0	76.4	86	76	1.0	1.4	8.1	6.1	86	78	18	5	20	6	10	showers.   Fine intervals.		
16	1011.8	1015.6	75.2	75.0	81	75	0.9	1.4	6.1	5.4	85	76	20	5	20	4	0	Fine a.   ● showers p.		
17	1012.2	995.9	74.2	78.0	81	74	0.5	0.4	6.1	8.1	89	95	18	4	20	5	10	a.   ● from noon.		
18	994.9	990.8	74.5	76.3	82	74	1.0	1.6	5.8	8.2	92	76	20	6	18	9	8	Fine.		
19	991.5	996.6	77.8	76.7	82	75	1.1	1.6	7.1	6.1	84	78	20	4	22	2	9	Overcast till 15 h., then fine.		
20	990.8	975.3	79.2	79.7	82	75	0.6	0.6	8.5	9.1	90	92	14	7	16	5	10	most of day.		
21	976.6	974.6	75.8	75.8	80	75	0.6	1.5	6.8	5.8	90	77	20	7	12	5	10	Very fine.		
22	956.0	963.4	77.5	76.4	80	74	0.3	0.6	8.1	7.1	94	90	6	3	20	2	10	● a.   Overcast p.		
23	974.6	982.7	78.0	75.3	82	75	1.2	0.5	7.1	6.4	83	91	20	5	18	3	8	Fine.		
24	993.9	1005.4	75.6	74.8	82	72	0.7	1.0	6.4	5.8	89	83	20	1	1	0	2	a.   Fine.		
25	1012.5	1010.1	77.8	77.1	84	74	0.6	1.5	7.8	6.4	92	80	1	1	20	2	10	Fine.		
26	1007.8	1013.5	79.7	79.1	82	77	0.6	0.1	9.1	9.1	92	88	16	4	1	1	10	Overcast.		
27	1015.9	1015.2	81.2	82.9	84	79	0.6	1.0	10.2	10.5	93	87	16	3	16	5	10	Overcast.		
28	1011.8	1010.5	83.0	79.4	85	79	0.8	1.1	10.8	8.1	90	84	16	5	18	4	10	Overcast.		
Mean	997.2	996.7	79.1	79.0	82.8	76.3	1.0	1.2	8.2	8.0	86	84	5.0	5.2	7.7	6.7	74.4	1.86	75.5	
Mean Barometer at Station Level.	989.7	989.2																		

## DUBLIN (PHENIX PARK), a.—FEBRUARY 1914.

Heights above Mean Sea Level:—Station, H = 47.3 m.; Barometer, H<sub>b</sub> = 48.5 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.3 m. Lat. 53° 22' N. Long. 6° 21' W. Time, Dublin mean time.

1	1003.7	1006.8	84.9	84.4	86	71	0.6	0.3	12.9	12.9	94	95	22	6	18	5	10	10	0.8	0.4	70	● a. and p. Overcast.	
2	1007.8	1005.7	84.7	84.9	86	83	0.5	0.1	12.9	13.5	94	98	18	5	18	6	10	10	4.6	0.3	80	Dull.	
3	1008.8	1008.5	84.1	84.5	86	80	0.2	0.2	12.9	13.2	98	99	20	3	18	5	9	8	—	2.5	81	● 2 h.-7 h. Cloudy.	
4	1009.8	1009.8	83.7	84.0	86	83	0.2	1.5	12.5	10.8	98	83	18	4	18	3	10	7	—	0.7	79	Cloudy.	
5	1009.5	1008.8	84.4	83.2	86	83	1.5	1.4	11.2	10.2	82	83	18	5	18	4	8	10	—	0.5	80	Cloudy.	
6	1002.4	1003.0	82.8	76.7	85	76	1.0	0.7	10.5	7.1	88	92	14	3	22	1	10	0	0.4	4.0	79	Beautiful day.	
7	992.2	983.7	79.5	80.9	83	72	1.3	0.7	8.1	9.5	83	91	16	4	14	2	9	10	2.0	2.8	79	● early. Fine. ● p.	
8	987.5	996.9	80.9	80.3	84	76	1.8	1.3	8.1	8.5	77	82	20	6	20	5	2	7	—	7.6	75	Overcast. ● 9 h.-noon.	
9	1006.1	1003.0	76.5	77.5	81	74	0.1	0.2	7.8	8.1	98	97	Calms	0	Calms	0	10	3	6.1	—	72	Overcast.	
10	1003.4	997.3	81.8	81.7	84	72	1.1	1.5	9.8	9.1	86	81	18	1	18	2	9	10	2.3	0.7	70	Cloudy.	
11	996.9	989.8	80.1	77.5	85	77	1.5	1.1	8.1	7.1	79	85	20	2	22	3	2	1	3.1	6.2	74	● early a. Beautiful day.	
12	990.8	988.8	78.2	76.1	81	75	1.0	1.0	7.4	6.4	86	85	18	3	22	4	6	10	0.5	0.5	71	● a. and p. Cloudy.	
13	1000.7	993.2	79.7	83.8	86	73	1.2	1.4	8.1	10.8	83	83	20	3	18	5	10	5	0.1	4.7	71	Fine.	
14	1001.7	992.5	81.3	85.1	86	77	1.8	0.7	8.5	12.9	79	91	20	5	20	6	9	7	3.6	1.0	73	Cloudy.	
15	991.2	1006.4	81.1	77.3	85	77	1.5	0.6	8.8	7.4	82	92	20	6	22	3	8	0	2.8	3.7	73	● a. and p. Fine.	
16	1013.9	1016.9	76.7	75.0	82	75	1.0	0.4	6.8	8.8	86	94	24	1	24	2	5	0	—	5.8	77	Beautiful day.	
17	1014.5	998.3	76.6	80.4	82	71	1.0	0.9	6.8	8.8	86	88	20	2	24	3	10	0	4.6	—	73	● a. and p. Overcast.	
18	998.0	995.6	75.6	76.2	81	74	1.0	0.9	6.1	8.8	85	87	22	3	22	4	0	7	—	8.0	69	Beautiful day.	
19	993.6	998.3	78.5	77.4	80	76	0.6	0.6	8.5	7.8	93	92	22	2	24	2	9	0	—	0.7	71	Dull day.	
20	992.5	976.6	81.7	81.4	84	75	1.1	1.5	9.8	9.5	85	90	14	3	18	1	10	10	0.5	0.1	71	Cloudy.	
21	979.3	974.2	76.8	77.9	82	76	0.6	0.6	7.4	7.8	92	91	22	4	14	1	4	5	12.7	4.9	73	Fine. ● 23 h. Overcast.	
22	950.5	965.4	78.7	76.8	80	76	0.2	0.1	8.8	7.8	97	99	8	4	28	3	10	10	5.7	0.1	75	● till 8 h. 30 m.	
23	977.0	983.4	77.5	74.6	82	74	0.5	0.1	7.8	6.8	91	97	24	3	28	1	7	0	0.3	6.1	73	● early a. Fine.	
24	993.2	1005.1	78.5	77.3	82	70	1.3	0.2	7.4	5.1	83	93	Calms	0	Calms	0	0	0	—	6.4	73	Fine.	
25	1012.2	1011.2	77.5	75.8	84	70	0.3	0.6	8.1	6.8	96	91	Calms	0	Calms	0	8	0	—	1.8	66	Cloudy.	
26	1008.8	1013.2	80.8	82.5	85	74	1.1	0.5	9.1	10.2	86	98	Calms	0	Calms	0	9	7	—	0.5	71	● 4 h.-7 h. Cloudy.	
27	1015.9	1016.9	84.0	82.9	87	80	1.7	0.7	10.5	11.2	80	91	Calms	0	Calms	0	20	1	2	5	71	Beautiful day.	
28	1012.9	1011.8	85.1	80.3	85	80	1.7	0.4	11.2	9.5	79	94	18	4	22	2	6	7	4.8	2.8	78	Dull.	
Mean	999.1	998.6	80.4	79.6	83.8	75.8	1.0	0.7	9.1	9.0	87	91	2.9	2.6	7.2	5.3	56.2	2.93	73.5				
Mean Barometer at Station Level.	993.2	992.7																					

\* Metres per second.

† Beaufort Scale (0—12).

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

METEOROLOGICAL OFFICE, LONDON,  
1904. 1014.

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

METEOROLOGICAL OFFICE, LONDON.  
April 28th, 1914.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

## DEERNES, ORKNEY, a.b.—MARCH 1914.

Heights above Mean Sea Level:—Station, H = 48.8 m.; Barometer, H<sub>b</sub> = 49.7 m. Heights above Ground:—Therms., h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 58° 56' N. Long. 2° 45' W. Time, Greenwich mean time.

Day.	Barometer at 273° A. 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 beginning 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	1001.0	1001.7	78.4	75.9	81	75	0.7	0.7	8.0	6.7	96	88	20	6	24	7	6	5	6.4	4.7	Fine a. ☉ after 16 p. (sleet).
2	1002.0	1001.7	78.4	75.9	81	75	0.7	0.7	8.0	6.7	96	88	20	6	24	7	6	5	6.4	4.7	Heavy showers all day. ▲*
3	992.2	995.2	73.7	74.4	79	74	0.4	0.3	6.0	6.5	92	95	24	13	28	10	6*	9*	3.1	3.0	* Heavy showers ▲* all day.
4	995.6	990.2	76.1	75.9	79	74	1.2	0.5	6.2	7.0	81	93	24	6	26	8	9*	10*	8.9	0.5	* ▲ a. ☉ 15 h.-20 h.
5	993.6	982.0	75.4	76.2	78	74	1.5	0.5	6.6	7.1	78	92	24	4	12	12	3	10*	6.9	2.8	Very fine till 15 h., then ☉.
6	997.8	984.7	75.6	74.6	79	74	0.9	0.4	6.3	6.3	86	92	22	9	26	8	5*	4*	2.3	3.1	* ▲ a. and p. / 12 h.-15 h.
7	989.8	994.6	75.4	75.6	78	75	0.6	1.0	6.7	6.2	92	85	28	4	24	7	7*	10	1.3	4.2	* (sleet) ☉ till 14 h.
8	995.9	996.6	75.6	74.0	79	74	0.6	0.9	6.7	5.5	91	83	—	1	32	2	4	1	—	5.4	Very fine all day.
9	999.0	1000.0	74.5	73.4	79	74	0.6	0.1	6.1	6.2	91	88	—	1	24	4	3	10*	5.6	6.3	Very fine till 15½ h., then *.
10	1000.0	1002.0	73.5	73.8	n 76	n 72	0.7	0.6	5.5	5.7	86	88	26	2	24	5	2	7	2.5	3.0	☼ 2 in. Fair 21 h.
11	1006.8	1011.5	75.1	75.6	78	74	1.0	1.7	6.1	5.5	84	75	28	3	8	3	2	2	1.3	8.7	Snow disappeared. *▲ n.
12	999.0	1003.7	76.0	78.2	79	76	1.0	0.6	6.8	8.2	93	92	10	14	14	2	10*	8	4.8	—	☉ all day till 18 h., then fair.
13	1009.5	996.9	79.8	79.5	80	77	1.1	0.6	8.5	8.8	85	92	12	8	12	16	1	10*	3.1	3.3	☉ after 16 h. / 22 h. [tide.
14	988.1	981.4	79.9	78.6	81	x 79	0.4	0.6	9.3	8.4	94	91	12	9	12	6	10*	10	3.1	1.2	A few showers. Very high
15	987.5	991.9	78.2	76.6	80	79	0.6	1.6	8.2	6.2	92	78	24	11	24	6	10*	7	3.1	0.3	☉ a. Fair and dull p.
16	987.5	1000.0	76.0	74.3	78	74	1.4	0.4	6.0	6.2	78	93	26	10	24	9	4	7*	2.3	4.3	Fine a. *☉ after 15 h.
17	1000.0	990.2	76.6	77.8	79	74	0.6	0.9	6.8	7.4	91	87	18	5	16	4	10*	1	1.0	0.1	▲ till 10 h. ☼
18	984.4	985.8	78.9	78.9	80	78	1.1	1.5	7.8	7.3	85	80	14	11	10	10	5	3	2.8	2.6	Fine all day.
19	987.8	995.6	77.8	77.8	80	76	2.2	1.7	6.1	6.7	n 71	77	14	8	10	9	2	3	—	6.5	Fine all day.
20	990.8	993.2	78.4	76.8	80	76	1.7	1.9	6.9	5.9	78	74	6	10	4	7	9	1	—	2.4	Fine all day.
21	989.8	985.8	78.4	77.3	80	77	1.8	0.6	6.8	7.6	77	92	32	10	30	9	8	10*	3.3	—	Fine a., ☉ after 16 h.
22	984.7	991.2	79.0	77.8	80	77	0.4	0.6	8.7	7.9	94	92	—	1	20	2	7	3	1.5	1.6	Fair a. ☉ 14 h.-15 h.
23	993.9	991.9	78.9	78.6	x 82	77	0.9	1.2	8.0	7.5	87	84	22	3	12	8	2	10*	4.6	8.6	Fine all day.
24	989.9	989.8	78.4	77.3	79	77	0.8	0.1	7.8	8.2	89	99	10	9	20	2	10*	10	7.6	—	☉ till 17 h., then fine.
25	989.1	989.8	78.4	77.3	79	77	0.6	0.9	8.2	7.8	92	87	10	9	8	12	10*	10	2.8	—	☉ all day till 18 h.
26	997.3	1002.4	79.3	76.4	80	76	2.0	1.4	7.0	6.1	74	78	10	7	—	1	7	0	—	6.3	Very fine.
27	1006.4	1014.5	78.8	77.0	81	75	1.2	0.9	7.7	7.1	83	88	28	5	32	2	2	3	—	6.6	Very fine.
28	1018.9	1017.6	77.8	76.9	80	76	1.0	1.3	7.3	6.6	86	81	4	5	8	7	2	10*	—	7.4	Very fine.
29	1013.2	1010.5	78.4	79.1	80	77	1.1	0.2	7.6	9.1	85	98	10	14	14	8	10*	8	3.1	—	☉ all day till 18 h.
30	1008.1	1005.4	79.2	80.0	81	x 79	0.3	0.6	9.0	9.3	95	93	12	12	12	7	10≡	3	3.6	1.0	☉ till 14 h.
31	1000.7	1012.9	81.2	80.3	x 82	x 79	1.7	0.5	8.6	9.0	80	93	18	10	22	5	3	7	—	2.7	Fine all day. / 12 h.
Mean	996.0	997.0	77.4	76.9	79.5	75.8	1.0	0.9	7.2	7.1	86	88	7.4	6.8	6.0	6.3	96.9	3.23			
Mean Bar. corrected to mean level.	989.9	990.9																			



FORT WILLIAM, INVERNESS-SHIRE, a.—MARCH 1914.

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,  $h_r = 0.30$  m. Lat.  $56^{\circ} 49' N.$  Long.  $5^{\circ} 7' W.$  Time, Greenwich mean time.

Day.	Barometer at 273° A. 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 beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 h.	21 h.					Dep. of Wet.		Vapour Pressure.		Percentage.	9 h.	21 h.	9 h.	21 h.	9 h.				
			9 h.	21 h.	9 h.	21 h.														
	millibar.		200+	200+	200+	200+			millibar.		%	%			Tenths of Sky covered.		mm.	hr.	200+	
1	1006.1	1008.1	77.2	75.2	80	75	0.8	1.1	7.2	6.0	88	82	20	†	20	2	99	2	10.2	Sunshine and showers.
2	1008.8	1008.8	76.3	78.0	79	74	0.6	1.7	7.0	6.7	90	77	20	3	20	3	100	8.0	19.6	☒ almost to sea level 9 h.;
3	1002.7	1002.0	77.3	77.7	79	76	0.9	0.9	7.1	7.4	86	87	20	2	18	2	100	10.0	10.2	Overcast. ☉. (sleet), and
4	999.3	995.9	78.6	79.7	81	76	1.1	1.6	7.7	7.8	85	78	20	1	20	2	9	10.0	5.3	Drizzle, ☉, ☉.
5	996.9	983.7	77.5	80.8	81	75	1.6	1.1	6.6	9.0	77	86	20	2	12	2	10	9.0	12.7	Fair early. ☉=☉
6	978.0	993.6	76.9	77.4	81	75	1.2	2.2	6.7	5.9	83	70	20	6	24	3	100	2	2.8	☉ early; fine p.
7	998.3	1001.0	75.4	73.5	79	73	0.9	1.2	6.2	4.9	85	76	20	3	20	1	4	0	0.5	Mostly fine.
8	989.5	996.6	72.9	72.4	79	73	1.1	1.3	4.6	4.1	76	69	Cal	0	Cal	0	9	2	—	Clear, calm and sunny.
9	1000.0	1000.0	71.3	73.4	79	78	1.2	0.8	3.5	5.3	70.4	84	Cal	0	Cal	0	16	1	7	Clear, calm and sunny.
10	1003.4	1007.4	74.1	73.6	79	72	1.2	0.6	5.2	5.6	79	89	4	1	16	2	8	7	0.2	Fine, clear and sunny.
11	1011.5	1005.7	73.6	76.9	79	71	1.0	1.0	5.1	6.9	80	86	16	2	16	3	1	10	5.1	☒ ½ in. 9 h.; fine and sunny
12	996.6	1006.1	76.3	79.5	81	75	0.6	1.2	7.1	8.2	91	84	20	3	20	2	100	6	3.1	Showery; occasional sun
13	1005.4	993.9	81.4	81.5	83	77	0.5	0.7	10.2	10.0	94	92	18	5	20	1	10	10	8.1	Showery; occasional sun
14	979.0	987.5	81.8	80.8	82	79	1.3	1.7	9.5	8.3	84	79	4	3	24	3	8	10.0	9.1	Dull and showery.
15	998.0	994.6	77.9	75.8	81	75	1.3	0.6	7.1	6.8	82	91	24	4	Cal	0	6	2.0	1.8	Showery a.; later fine and
16	999.0	1008.5	77.6	76.8	80	75	1.8	2.1	6.3	5.6	74	71	Cal	0	24	3	4	2	3.6	Sunshine and showers; ☉
17	1002.0	989.5	76.9	77.4	81	75	0.6	0.8	7.4	7.4	92	89	20	4	20	2	100	10.0	9.1	Bleak and showery; ☉
18	984.1	985.4	76.3	75.2	78	75	0.5	1.1	7.1	6.0	92	83	20	1	Cal	0	10	10	1.5	Bleak and showery; ☉
19	985.4	985.4	75.8	78.0	78	73	1.7	2.5	5.6	5.6	75	66	Cal	0	12	2	8	4	0.2	Fair to fine, sunny intervals.
20	984.7	989.1	77.2	77.4	80	75	1.4	1.4	6.6	6.8	79	80	4	4	4	8	10	0.8	—	Sunshine and cloud; [showers]
21	991.2	989.8	76.9	77.7	81	75	1.9	1.9	5.9	6.2	74	73	Cal	0	28	3	8	7	—	Fine, fair and sunny.
22	990.8	994.9	78.4	78.0	82	76	2.1	1.8	6.6	6.6	73	75	26	3	24	1	7	1	—	Fine, fair and sunny.
23	993.9	990.8	76.9	76.1	81	73	1.7	0.7	6.1	6.9	77	90	Cal	0	8	2	9	3	1.8	Fine, showers in evening.
24	989.5	988.1	75.8	75.4	84	74	1.1	0.3	6.2	6.9	83	94	Cal	0	16	1	1	1	—	Very fine, clear and sunny.
25	987.1	985.8	75.2	77.4	84	71	2.2	1.2	4.9	7.0	67	83	Cal	0	8	3	0	10	—	Very fine, clear and sunny.
26	993.6	1001.0	77.4	75.1	83	74	0.7	1.5	7.6	5.4	90	76	Cal	0	Cal	0	10	0	—	Cloudy a.; fine and sunny p.
27	1009.8	1015.2	74.1	78.5	84	70	1.3	1.8	5.1	6.9	77	76	Cal	0	8	1	4	8	—	Fine, clear and sunny.
28	1016.6	1011.2	77.9	80.2	84	71	2.1	2.8	6.2	6.7	71	65	Cal	0	16	4	1	10	0.5	Fine. ☉ 17 h. [showers]
29	1008.1	1008.5	79.9	81.5	85	78	1.4	1.9	8.0	8.4	80	77	20	1	Cal	0	100	7.00	3.3	Sunshine and cloud; slight
30	1006.4	1002.4	79.7	81.1	85	78	1.1	0.5	8.3	10.1	84	94	20	1	Cal	0	10	10.2	227.7	Dull and cloudy; ☉ night.
31	1009.5	1014.9	81.8	79.2	86	79	1.6	0.8	9.0	8.4	80	89	20	5	Cal	0	9.0	3	2.3	☉ squally early; later sunny.
Mean	997.6	998.2	77.0	77.4	81.3	74.3	1.2	1.3	6.7	6.9	81	81	1.8		1.7		7.4	6.1	139.5	
Mean Barometer at Station Level.	996.2	996.8																		

DOUGLAS, ISLE OF MAN, a.—MARCH 1914.

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,  $h_r = 0.30$  m. Lat.  $54^{\circ} 10' N.$  Long.  $4^{\circ} 28' W.$  Time, Local mean time.

		Long. + 28 W. Time, Local mean time.																			
		†																			
1	1013.5	1013.9	78.0	76.2	80	76	0.7	0.5	7.8	7.1	90	92	24	3	24	3	0	1.3	4.4	75	≡ <sup>0</sup> early. Fine a. ● showers
2	1015.2	1015.2	77.4	78.2	81	75	0.6	0.8	7.4	7.8	91	90	26	5	26	5	0	4.4	76	≡ <sup>0</sup> early. Fine a. ● showers	
3	1011.2	1007.8	79.0	80.1	81	78	0.7	0.3	8.5	9.5	90	96	24	6	24	3	8	0.6	6.1	72	≡ <sup>0</sup> early. Cloudy. ● showers
4	1002.7	1000.3	79.0	82.9	84	79	0.0	0.5	9.5	11.5	100	94	24	5	24	5	10	3.1	—	75	Squally and overcast. ● showers
5	1002.0	991.2	77.1	83.0	84	77	0.3	0.5	7.8	11.5	96	94	28	3	24	4	10	3.8	0.2	78	Squally and overcast.
6	991.2	998.3	79.1	78.1	83	77	1.1	0.7	7.8	8.8	84	91	24	1	24	7	10	8.1	—	76	Squally and overcast.
7	1000.7	1000.7	78.1	78.2	83	76	0.7	0.7	7.8	8.1	91	91	24	1	24	4	6	0.8	6.6	76	Squally. ● showers 17 h.
8	992.9	996.6	78.1	75.9	83	76	0.0	0.5	8.8	6.8	100	92	2	1	30	1	10	6.2	—	72	≡ <sup>0</sup> early. Fine.
9	1000.3	1001.3	75.8	74.1	n 79	74	0.6	0.5	6.8	6.1	91	89	28	1	28	2	10	3.5	—	74	≡ <sup>0</sup> till 10 h. Fine, then cloudy
10	1004.0	1009.8	75.8	75.2	n 79	74	0.5	0.5	6.8	6.4	93	91	26	2	26	2	7	4.3	5.5	71	≡ <sup>0</sup> a. Dull till 11 h. [11 h.
																	5	6.6	—	70	● showers a. Fine from
11	1013.9	1006.8	76.3	77.5	80	n 72	0.9	0.0	6.8	8.5	86	100	26	1	14	4	2	8.3	n 68	—	11 h.
12	1001.0	1011.5	81.3	79.1	84	77	0.5	0.5	10.2	8.8	93	92	24	4	24	1	6	10.1	—	73	Very fine, but squally.
13	1008.5	1000.7	79.7	80.9	82	77	0.0	0.1	9.8	10.5	100	99	14	3	20	5	10	7.0	—	75	Overcast.
14	987.1	993.6	80.2	80.4	82	77	0.5	0.5	9.5	9.5	92	92	20	8	24	6	8	4	—	73	after 15 h.
15	1005.1	996.9	79.3	80.2	81	78	0.7	0.0	8.5	10.2	90	100	22	4	22	2	8	3.9	2.1	77	Δ a. Squally. ● after 15 h.
16	996.3	1013.5	77.1	76.4	81	76	1.2	0.3	6.8	7.4	84	95	30	10	26	5	7	7.7	1.3	76	Dull and cloudy. ● showers
17	1009.5	992.2	78.6	79.1	80	76	0.6	0.3	8.5	8.8	92	94	22	3	16	6	10	0.8	5.8	75	Δ a. Squally. ● showers
18	987.8	987.1	76.3	75.2	80	75	1.4	0.2	6.1	6.8	n 77	96	24	4	18	2	8	8.1	—	73	≡ <sup>0</sup> early. Overcast. ● showers
19	984.1	984.1	76.3	74.1	n 79	74	0.4	0.5	7.1	6.1	93	89	10	1	2	1	8	1.6	5.1	74	Squally, with ● showers
20	981.7	983.7	76.1	76.8	80	73	0.8	0.5	6.8	7.4	88	94	4	1	2	3	8	2.5	4.4	70	● before 13 h., then fine.
																	10	6.0	6.5	70	Fine till 17 h. ● showers
21	989.1	991.5	78.0	75.5	81	75	1.1	0.3	7.4	7.1	84	95	28	5	26	1	8	—	9.4	74	● Δ a. Very fine.
22	993.9	998.6	78.6	76.3	81	74	0.7	0.1	8.1	7.1	91	98	24	2	26	1	6	1.2	9.3	71	≡ <sup>0</sup> a. Very fine. ● p.
23	995.9	991.5	78.9	76.1	81	74	0.3	0.2	8.8	7.4	96	97	16	3	4	1	10	6.5	—	70	≡ <sup>0</sup> a. Continuous ● till 10 h.
24	988.5	988.8	79.1	76.8	81	76	0.5	0.6	8.8	7.4	92	92	4	1	28	1	8	—	—	71	— a. Dull.
25	986.1	984.4	79.7	78.9	81	75	0.8	0.7	8.8	8.5	88	90	12	2	6	2	6	2.0	1.8	73	≡ <sup>0</sup> a. Very fine, with clouds [intervals]
26	991.2	999.0	79.6	78.0	82	77	1.0	0.5	8.5	8.1	86	94	6	2	4	3	4	0.7	5.5	71	Very fine.
27	1009.5	1015.9	79.8	75.2	81	75	1.6	0.6	7.8	6.4	78	89	6	2	28	1	0	—	9.6	75	Very fine.
28	1015.9	1008.8	78.6	80.6	81	75	0.6	0.5	8.5	9.8	92	94	10	3	14	5	8	—	9.8	74	Very fine.
29	1008.8	1011.2	80.2	80.8	82	79	0.0	0.6	10.2	9.8	100	93	16	2	14	3	10	9.2	0.5	71	≡ <sup>0</sup> a. Dull. ● 16 h.
30	1010.5	1009.5	81.5	81.9	84	78	0.2	0.0	10.8	11.5	98	100	18	6	18	5	6	8.1	0.6	78	Dull and overcast.
31	1015.6	1017.9	83.0	81.3	86	78	0.8	0.0	10.2	10.8	85	100	20	4	18	2	2	5.4	2.0	78	● early. Cloudy.
																	10	6.4	—	79	≡ <sup>0</sup> early. Fine. ● after 19 h.
Mean	1000.4	1000.8	78.6	78.2	81.5	76.0	0.7	0.4	8.3	8.4	91	94	3.3	3.0	7.1	5.8	14.0	4.45	73.7		
Mean Barometer at Station Level.	989.9	990.2																			
† Beaufort Scale (0—12).																					

† Beaufort Scale (0—12).

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

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

SHREWSBURY, SHROPSHIRE.—MARCH 1914.

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,  $h_r = 0.30$  m. Lat.  $52^{\circ} 43'$  N. Long.  $2^{\circ} 45'$  W. Time, Local mean time.

[illegible]

CAMBRIDGE, a.—MARCH 1914.

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,  $h_r = 0.30$  m. Lat.  $52^{\circ} 12' N.$  Long.  $0^{\circ} 8' E.$  Time, Local mean time.

Rain gauge, $h_r = 0.30$ m. Lat. $32^{\circ} 12' N$ . Long. $118^{\circ} 12' E$ .																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
1	1015.9	1014.5	81.1	78.8	84	77	1.0	0.7	6.1	8.1	87	90	22	4-5	20	1	2	0.8	73	● early. Beautiful day.												
2	1016.2	1016.9	75.8	77.1	81	72	0.7	0.5	9.8	7.8	89	94	22	2	28	2	1	9.0	70	Fine till 14 h. ● $\Delta$ 19 h. 30 m.												
3	1013.5	1010.5	77.8	79.7	81	74	0.7	1.1	7.8	8.1	90	84	20	2-3	24	4	9	3.5	71	Overcast and gloomy.												
4	1005.1	1003.4	82.4	82.3	86	79	0.5	0.4	10.8	11.2	93	94	20	2	20	4	10	0.1	76	● n. and early A. Gloomy.												
5	1003.7	995.2	83.1	83.5	84	78	0.6	0.5	11.5	11.9	93	94	22	3	24	6	9	1.3	79	Gloomy.												
6	994.2	998.3	82.6	79.2	86	79	0.8	1.8	10.5	7.1	90	87	20	1	24	1	100.0	9	7.1	72	Cloudy.											
7	1001.7	1002.7	78.6	78.2	81	76	1.4	0.2	7.4	8.5	82	98	16	5-6	16	4-5	90.0	100.0	7.4	74	● n. and early A. Gloomy.											
8	995.2	996.3	83.1	83.0	86	77	0.1	0.5	12.2	11.5	99	94	16	1	30	2	100.0	100.0	11.4	77	● all day. * 14 h. 30 m.											
9	998.6	996.9	78.1	75.9	83	75	0.2	0.1	8.5	7.4	98	98	16	1	30	2	100.0	100.0	—	77	● n. Fine.											
10	1002.7	1008.5	75.7	73.8	81	73	0.9	0.4	6.4	6.1	86	93	24	2	26	1	0.00	—	6.9	71												
11	1014.2	1015.6	75.1	72.1	81	71	0.9	0.2	6.1	5.4	86	96	24	2	Calm	0	—	7.6	73	Beautiful day.												
12	1002.7	1012.9	81.0	77.1	87	76	0.2	0.4	10.5	7.8	98	95	16	2	Calm	0	100.0	1.8	4.1	69	● 2 h.-7 h. Overcast till noon.											
13	1016.2	1010.1	80.3	83.1	86	76	0.1	1.4	10.2	10.5	99	86	12	1	20	5-6	100.0	3.6	—	72	● till noon. Overcast. ● p.											
14	998.3	995.6	82.8	80.0	85	80	0.9	0.9	10.5	8.8	88	14	2-3	20	5-6	8	9	3.8	3.1	77	● showers. Bright intervals.											
15	1008.5	1001.3	81.8	82.4	83	78	1.6	0.4	9.1	11.2	80	94	20	6	20	3	6	6.6	3.0	75	Bright till 11 h. ● 13 h.-17 h.											
16	988.5	1009.8	80.2	77.5	82	77	1.6	1.1	7.8	7.1	79	85	16	7	24	6-7	10	2.5	1.3	77	Sunny A., then overcast.											
17	1013.9	1003.4	78.4	78.0	84	74	1.0	0.8	7.8	7.8	87	89	22	2	20	3-4	0	—	7.7	71	Beautiful day.											
18	989.1	993.6	78.6	75.2	82	75	0.6	0.5	8.5	6.4	92	92	12	3	22	2	100.0	0.5	3.3	74	● 7 h.-10 h. Overcast till 14 h.											
19	990.2	985.4	75.4	74.8	80	72	0.2	0.0	7.1	7.1	96	100	14	3	16	1	100.0	3.1	0.9	68	* A. Overcast. ● 17 h. 30 m.											
20	977.0	980.3	75.0	74.7	76	72	0.1	0.0	6.8	6.8	99	100	4	1	32	1	100.0*	7.6	—	58	● 7 h.-9 h. * till 13 h. ●											
21	984.7	991.5	76.9	76.3	80	72	0.6	0.7	7.4	6.8	92	88	20	2	24	1	0	3.3	1.4	68	Brightly early. ● 11 h.-16 h. [vals.											
22	993.9	998.6	76.9	75.4	84	72	0.6	0.2	7.4	7.1	91	96	20	1	20	1	3	0.8	6.5	67	$\Delta$ T 13 h. T 16 h. Bright inter-											
23	1001.7	993.9	78.8	80.0	83	72	0.9	0.0	8.1	9.8	88	100	20	2	20	2	7	1.0	2.4	68	sunny A., then overcast ● 16 h.											
24	990.2	988.1	79.3	78.7	85	74	0.5	0.5	8.8	8.5	92	93	20	1	Calm	0	9	—	4.2	72	Sunny 9 h.-13 h. ● 14 h. 30 m.											
25	988.1	982.4	78.7	78.6	84	75	1.0	0.6	7.8	8.5	88	92	20	2	Calm	0	1	1.8	7.8	74	Finetill 16h., then overcast. [● p.											
26	987.5	996.6	79.2	78.2	83	75	0.6	0.3	8.5	8.5	90	96	30	2	30	2	4	1.3	4.8	74	Fine 8 h.-noon, then overcast.											
27	1006.1	1016.2	79.3	73.2	82	7	0.7	0.0	8.5	6.1	90	99	32	1	4	1	0.00	0	0.8	4.4	75	Cloudy. ● $\Delta$ 14 h.										
28	1018.6	1016.6	78.7	78.6	84	73	0.9	1.3	8.1	7.4	88	84	Calm	0	12	2	0	—	5.9	67	— a. Finetill noon.											
29	1014.9	1016.9	80.8	79.9	83	79	1.2	0.9	8.8	8.8	85	88	12	2	12	1	9	1.0	—	75	Gloomy. ● noon and 15 h.											
30	1017.3	1018.9	82.2	85.0	87	77	0.8	0.7	10.5	12.9	90	91	16	3	16	4	10	1.3	0.1	72	Gloomy, with ●.											
31	1022.0	1022.3	86.4	82.4	82	77	1.2	0.4	13.2	11.2	85	94	20	3-4	Calm	0	7	—	6.2	81	Sunny 9 h.-16 h.											
Mean	1002.2	1003.0	79.5	78.5	83.4	75.2	0.7	0.6	8.8	8.5	90	92	20	2.4	2.3	6.5	4.1	80.0	3.19	72.7												
	1000.6	1001.3																														

Mean, Bar's  
ometer at  
station  
level.

+ Beaufort Scale (0-12).

— means the minimum value in the column.



## ARMAGH, a.—MARCH 1914.

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,  $h_r=0.30$  m. Lat.  $54^\circ 21' N.$  Long.  $6^\circ 39' W.$  Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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.				
1	1012.5	1014.5	77.6	74.0	80	74	1.4	0.4	6.8	6.1	80	91	20	4	24	2	10	4	8.0	3.4	74	* showers noon-13 h.		
2	1016.6	1016.2	76.2	75.9	81	73	0.6	0.7	7.1	6.8	91	90	20	3	22	2	7	5	2.0	4.0	72	• showers and fine intervals		
3	1012.2	1006.4	78.6	80.0	82	76	1.0	0.8	7.8	8.8	88	89	20	5	20	4	10	10	8.4	0.3	75	• showers. • from 18 h.		
4	1001.0	1001.0	82.3	82.0	84	80	0.1	0.4	11.5	10.8	98	96	20	4	22	3	10	10	6.1	—	79	• showers.		
5	997.3	991.5	79.4	81.9	84	78	0.3	0.6	9.1	10.5	96	93	18	2	22	5	10	10	3.5	—	79	• showers.		
6	991.2	1000.0	79.6	77.1	82	77	3.4	0.7	5.8	7.4	100	92	22	5	24	2	2	10	1.6	6.7	76	Fine.		
7	1001.0	999.3	77.4	77.3	82	75	0.9	1.2	7.1	6.8	86	83	—	1	—	0	10	10	10.7	2.7	74	Cloudy.		
8	993.2	996.9	75.1	75.2	79	74	0.0	0.1	7.1	7.1	99	97	—	0	—	0	10	10	0.7	—	73	• early. Overcast.		
9	1000.3	1003.0	75.1	74.0	81	71	0.4	0.4	6.8	6.1	94	92	—	1	—	0	0	0	6.5	0.2	70	Fine.		
10	1006.8	1010.8	75.8	72.6	80	72	1.1	0.7	6.1	5.1	83	82	24	2	—	1	0	0	—	7.8	69	Very fine.		
11	1013.5	1000.7	74.9	76.9	80	70	1.1	0.5	5.8	7.4	81	94	—	1	14	7	3	10	4.7	4.0	70	Fine till 18 h., then •.		
12	1001.3	1010.1	81.3	78.3	85	77	1.7	1.5	8.5	7.1	78	80	20	3	22	2	0	2	3.2	5.6	76	Fine.		
13	1002.0	995.9	82.7	80.4	84	78	0.5	1.3	11.2	8.5	93	83	16	5	18	5	10	2	14.6	0.3	76	• showers.		
14	983.1	996.3	79.4	80.2	83	77	1.0	0.4	8.1	9.5	86	94	20	8	26	4	10	10	3.8	—	77	• most of day.		
15	1003.7	994.2	78.4	80.7	81	76	1.1	0.5	7.4	9.8	86	94	20	4	20	5	10	10	3.8	0.6	75	Overcast, with • showers.		
16	1004.7	1015.6	78.6	75.2	81	75	1.3	0.9	7.4	6.1	83	85	28	5	24	2	9	2	3.2	5.2	75	▲* (sleet) showers.		
17	1005.7	986.4	78.4	78.9	80	74	1.1	1.1	7.4	7.8	86	85	18	6	14	6	10	10	3.5	0.1	74	Overcast, with • showers.		
18	986.8	983.7	75.4	75.2	80	72	1.3	1.4	5.8	5.4	80	76	20	4	18	2	0	10	0.2	6.7	70	Fine.		
19	983.1	983.4	75.6	73.9	79	74	1.1	1.1	6.1	5.1	83	79	—	1	—	0	10	0	—	1.0	72	Cloudy.		
20	982.4	987.1	75.8	76.3	81	71	0.7	1.0	6.8	6.4	89	84	—	1	32	3	4	7	0.6	3.2	69	Cloudy.		
21	992.9	992.2	80.1	75.0	84	74	2.1	1.1	7.4	5.8	73	82	28	2	—	1	1	0	0.1	6.0	70	Fine.		
22	995.2	999.0	79.1	75.4	83	72	1.2	1.1	7.8	6.1	83	83	—	1	22	2	4	2	1.5	7.6	70	Fine. A few ▲* showers.		
23	992.9	990.5	77.4	77.2	84	74	0.5	1.8	7.8	6.1	93	75	16	6	18	2	10	8	0.2	2.1	72	Cloudy.		
24	989.1	988.1	75.0	75.0	82	72	0.0	1.8	7.1	5.1	100	72	—	1	—	1	10	0	—	5.3	71	≡ a. Fine.		
25	983.4	984.1	79.1	74.5	82	71	1.8	1.5	7.1	5.1	77	74	22	2	—	1	0	0	0.4	3.3	68	Cloudy.		
26	991.9	1000.0	77.4	75.0	83	74	0.2	1.4	8.1	5.4	96	77	—	0	—	1	10	2	—	2.1	70	Cloudy.		
27	1010.5	1014.5	78.6	77.0	83	71	1.2	1.7	7.8	6.1	85	76	—	0	—	1	8	4	—	7.5	69	Fine.		
28	1012.5	1005.1	79.6	79.4	82	77	1.8	0.5	7.4	8.8	76	93	12	5	12	9	10	10	10.2	—	75	Overcast. • from 15 h.		
29	1006.1	1006.8	82.4	81.1	87	79	1.2	2.2	9.8	7.8	85	73	16	4	14	5	4	9	1.6	8.1	79	Fine.		
30	1006.8	1004.7	84.0	84.1	86	80	1.8	1.5	10.2	10.8	78	82	16	5	18	7	8	10	4.3	2.7	80	Fine a., then • showers.		
31	1014.9	1014.9	83.8	83.3	88	80	2.2	1.0	9.8	10.8	75	88	20	6	16	3	10	10	5.3	5.7	81	Fine.		
Mean	999.8	999.7	78.5	77.5	82.4	74.8	1.1	1.0	7.7	7.3	85	85	3.1	2.8	6.8	6.3	102.7	3.52	73.5					
Mean Barometer at Station Level.	992.3	992.3																						

## DUBLIN (PHENIX PARK), a.—MARCH 1914.

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,  $h_r=0.30$  m. Lat.  $53^\circ 22' N.$  Long.  $6^\circ 21' W.$  Time, Dublin mean time.

1	1014.2	1016.2	78.5	74.4	81	74	1.4	0.5	7.4	6.1	82	91	20	2	24	3	8	Cloudy.
2	1018.3	1018.3	77.2	77.3	82	73	0.9	0.7	7.1	7.4	86	90	24	3	26	2	7	Beautiful day.
3	1014.9	1008.8	79.0	81.0	83	77	1.1	0.2	8.1	10.5	85	97	24	3	24	3	10	• a. and p. Cloudy.
4	1003.4	1002.4	82.8	82.8	85	81	0.3	0.4	11.5	11.5	96	94	24	3	24	3	10	Overcast.
5	1002.0	994.6	80.3	83.5	85	79	0.1	0.7	10.2	11.5	98	91	20	1	24	4	10	• a. and p. Overcast.
6	994.9	1001.0	80.4	77.8	84	77	1.3	1.5	8.5	6.8	82	80	24	4	24	3	7	Beautiful day.
7	1001.3	999.6	79.3	78.5	82	76	1.2	0.4	7.8	8.5	83	95	Calm	0	Calm	0	7	Fine. • p.
8	993.6	997.3	80.1	76.5	82	76	1.0	0.4	8.5	7.4	86	93	24	3	Calm	0	7	Cloudy.
9	1000.3	1002.7	77.2	75.1	81	73	0.2	0.5	8.1	6.4	97	92	Calm	0	28	1	10	Beautiful day.
10	1008.1	1011.5	74.5	72.4	80	71	0.5	0.1	6.1	5.8	91	96	24	2	Calm	0	2	Beautiful day.
11	1014.5	1001.7	75.9	79.1	81	71	0.7	0.8	6.8	8.5	88	89	Calm	0	24	2	7	Cloudy.
12	1002.0	1011.5	82.9	75.2	86	75	1.4	0.4	10.2	6.8	84	94	28	2	Calm	0	2	Beautiful day.
13	1004.4	998.3	84.4	82.3	85	75	0.9	1.0	11.9	10.2	89	87	18	4	18	3	10	Cloudy.
14	986.4	999.6	81.4	80.9	85	77	1.4	0.8	8.8	9.5	82	90	20	5	26	5	5	• till 6 h. Cloudy.
15	1004.7	997.3	79.6	81.8	84	77	0.7	0.7	8.8	10.2	91	91	20	2	24	3	10	Overcast.
16	1005.1	1016.9	78.9	75.5	82	75	0.5	0.9	8.5	6.4	93	86	28	3	24	2	8	Beautiful day.
17	1009.5	989.8	79.2	73.7	82	74	0.9	0.1	8.1	6.4	87	98	20	3	22	1	10	Dull.
18	989.1	985.1	76.7	75.1	80	73	1.0	0.5	6.8	6.8	86	93	20	2	20	2	0	Fine. ✕ 21 h.
19	982.7	983.4	76.0	71.6	79	71	0.3	0.3	7.1	5.1	96	92	22	1	Calm	0	10	• a. and p. Cloudy.
20	981.4	985.8	75.9	76.6	80	71	0.4	1.4	7.1	6.1	94	79	Calm	0	26	3	2	Fine.
21	993.2	992.9	79.6	75.3	83	75	1.3	0.3	8.1	6.8	82	94	26	3	Calm	0	2	Beautiful day.
22	995.6	999.6	77.5	74.6	84	72	0.8	0.3	7.4	6.4	88	95	24	2	Calm	0	2	Beautiful day.
23	993.9	991.9	80.5	77.4	85	72	1.0	0.2	8.8	8.1	86	98	Calm	0	Calm	0	9	Cloudy.
24	990.2	988.5	77.8	72.0	84	72	0.3	0.2	8.1	5.4	95	97	24	1	Calm	0	4	Beautiful day.
25	983.4	981.7	79.0	79.3	81	69	1.7	0.8	7.1	8.5	77	88	10	2	4	1	7	Dull.
26	991.5	999.3	78.9	73.2	82	73	1.0	0.1	8.1	6.1	87	98	2	1	Calm	0	8	• a. Dull.
27	1010.1	1014.9	78.9	74.0	83	72	0.6	0.1	8.5	6.4	91	98	Calm	0	Calm	0	10	Cloudy.
28	1012.9	1005.4	80.1	81.4	82	71	0.7	0.7	9.1	9.8	91	91	12	2	14	4	10	Dull.
29	1007.4	1007.4	85.6	82.0	89	78	2.2	1.4	10.8	9.5	76	83	20	3	14	2	5	Beautiful day.
30	1009.1	1006.8	85.5	84.6	87	81	2.1	0.9	10.8	11.9	76	88	18	3	20	6	3	Cloudy. • p.
31	1015.6	1015.9	85.1	83.5	88	81	1.6	0.6	11.5	11.9	80	93	22	2	Calm	0	4	• a. Cloudy.
Mean	1001.1	1000.9	79.6	77.6	83.1	74.5	1.0	0.6	8.6	8.0	87	92	2.0	1.7	6.5	5.7	48.8	72.6
Mean Barometer at Station Level.	995.2	994.9																

\* Metres per second.

† Beaufort Scale (0—12).

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

METEOROLOGICAL OFFICE, LONDON

\* Metres per second.

† Beaufort Scale (0-12).

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

METEOROLOGICAL OFFICE, LONDON.  
May 21st, 1914.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.



## FORT WILLIAM, INVERNESS-SHIRE, a.—APRIL 1914.

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

Day.	Barometer at 27° A. 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 beginning 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.	Min.		Temp. on Grass.
							9 h.	21 h.	9 h.	21 h.											
	millibar.		200 +	200 +	200 +	200 +															
1	1009.8	1008.8	80.1	80.7	83	77	0.7	0.4	9.1	9.8	91	94	Calms	0	20	1	100	9	13.0	hr.	Dull and showery.
2	1006.4	1007.1	80.7	80.1	84	77	0.5	0.6	9.8	9.1	94	92	20	1	20	1	90 <sup>0</sup> ≡ <sup>0</sup>	10	11.9		Dull and showery.
3	1010.1	1012.2	81.2	78.3	85	78	1.0	1.1	9.5	7.4	87	86	20	3	Calms	0	100 <sup>0</sup>	7	1.3		Dull and showery; evening.
4	1010.1	1002.4	80.6	81.9	87	75	2.1	2.9	7.8	7.4	74	66	Calms	0	20	1	4	9	0.8		Dull, but fair.
5	989.1	983.1	81.0	79.5	82	78	0.9	0.7	9.5	8.8	89	91	16	2	20	4	100	100	32.5		☉ showers throughout.
6	981.0	984.1	78.6	78.9	80	77	0.7	1.6	8.1	7.1	90	78	20	4	20	2	100	8	17.0		☉ all day; * on hills.
7	982.4	985.1	78.5	78.7	82	75	1.7	0.7	7.1	8.1	78	90	20	3	20	2	80 <sup>0</sup>	100 <sup>0</sup>	4.6		Dull and showery.
8	991.2	999.0	79.1	77.3	82	77	1.2	1.7	7.8	6.4	83	76	24	3	20	2	80 <sup>0</sup>	6	0.3		Sunshine and showers.
9	991.2	987.1	79.7	80.5	83	74	2.2	1.2	7.1	8.8	71	84	16	3	24	3	100	100	9.9		Showery.
10	986.4	992.9	81.3	80.2	84	79	2.2	1.6	7.8	8.1	74	79	20	6	20	5	100	100	13.0		Boisterous; ☉ showers.
11	1002.4	1010.5	80.8	78.2	83	77	2.9	1.3	6.8	7.1	65	81	20	3	20	2	8	2	5.8		Fine, clear, and sunny.
12	1007.1	1004.0	79.1	81.1	81	77	0.7	0.8	8.5	9.5	90	89	20	5	20	5	100	100	45.0		☉ all day; squally.
13	1006.1	1011.8	79.5	78.7	82	78	0.9	2.0	8.5	6.8	87	75	20	3	20	4	100 <sup>0</sup>	2	6.1		☉ showers; sunny intervals.
14	1021.7	1031.8	79.7	78.9	84	77	1.7	2.3	7.4	6.4	76	71	Calms	0	Calms	0	100 <sup>0</sup>	1	0.8		☉ early; fine and sunny intervals.
15	1033.2	1032.5	82.4	79.1	86	76	2.2	1.3	8.8	7.8	74	82	20	3	16	2	3	1	—		Fine, clear, bright sunshine.
16	1033.2	1028.1	83.0	81.1	89	76	2.3	1.9	8.8	8.1	73	76	Calms	0	Calms	0	2	0	—		Fine, clear, bright sunshine.
17	1024.4	1020.6	83.6	85.8	92	76	2.3	5.0	9.1	7.4	73	52	Calms	0	Calms	0	2	0	—		Fine, clear, bright sunshine.
18	1021.7	1022.7	86.2	82.6	92	80	5.4	2.9	7.4	7.8	74	66	20	3	20	1	0	0	—		Fine, clear, bright sunshine.
19	1024.0	1023.0	83.5	84.0	91	77	2.9	3.3	8.5	8.5	67	64	Calms	0	Calms	0	0	0	—		Fine, clear, bright sunshine.
20	1024.4	1025.7	87.3	84.6	92	80	4.8	3.2	9.5	8.8	61	65	20	3	16	1	600	0	—		Fine, clear, bright sunshine.
21	1026.7	1023.7	85.4	84.7	94	78	3.1	3.1	9.5	9.1	67	67	Calms	0	Calms	0	0	0	—		Fine, clear, bright sunshine.
22	1017.6	1014.5	87.3	80.1	90	79	4.3	0.9	9.5	8.8	58	88	22	3	20	3	0	100	11.4		Fine generally; ☉ overcast after.
23	1016.6	1019.3	79.6	79.1	84	77	1.2	1.0	8.1	8.1	84	86	20	3	20	2	100 <sup>0</sup>	100	4.6		Showery, with sunny intervals.
24	1019.3	1024.7	80.8	79.8	85	78	0.7	0.8	9.5	8.8	91	89	24	3	Calms	0	100 <sup>0</sup>	3	0.2		Showery early; fair to fine.
25	1032.5	1034.5	82.1	82.3	86	76	1.7	1.7	9.1	9.1	78	80	Calms	0	Calms	0	8	10	0.2		Fine but cloudy.
26	1034.2	1033.5	83.2	83.3	86	80	0.8	2.7	11.2	8.8	90	70	20	2	24	2	10	10	—		Dull and cloudy.
27	1033.5	1031.1	84.1	81.8	88	81	1.7	1.2	10.5	9.5	79	85	20	1	20	1	10	10	—		Fine, with sunny intervals.
28	1027.4	1023.7	82.4	80.8	86	81	1.2	1.2	9.8	8.8	85	85	20	2	26	2	10	3	—		Fine, with sunny intervals.
29	1021.3	1018.9	81.7	81.9	89	77	1.5	1.7	9.1	8.8	81	79	Calms	0	4	4	10	10	—		Fine, with sunny intervals.
30	1021.3	1024.0	79.1	76.9	82	77	1.2	1.0	7.8	6.8	83	86	4	4	4	4	10	10	—		Dull and cloudy. * <sup>0</sup> on hills.
Mean	1013.5	1014.0	81.7	80.7	85.8	77.5	1.9	1.7	8.7	8.2	78	79	2.1	1.8	7.1	6.1	17.8	4			
Mean Barometer at Station Level.	1012.1	1012.5																			

## DOUGLAS, ISLE OF MAN, a.—APRIL 1914.

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

Long. 4 28' W. Time, Local mean time.																						
1	1012.2	1011.8	83.3	80.8	86	80	1.9	0.3	9.8	10.2	78	97	18	2	20	2	4	6	—	5.9	77	≡ early. Fine. Gloomy intervals.
2	1010.1	1011.2	82.5	80.3	85	80	0.8	1.0	10.5	8.8	89	86	20	2	26	1	8	4	0.4	7.0	79	Very fine. ☉ showers after 10 h.
3	1013.9	1011.8	81.3	80.6	84	79	1.0	0.3	9.5	10.2	87	97	22	2	10	2	3	10	0.5	8.1	74	— early. Very fine. Dull 1 h.
4	1010.8	1005.7	81.3	81.1	84	80	0.5	1.0	10.2	9.1	93	87	10	1	16	4	10	10	10.3	2.8	77	Overcast till 13 h.
5	996.9	991.5	81.7	80.2	84	80	0.7	1.1	10.2	8.5	91	85	25	2	22	4	10	4	4.1	5.2	78	Cloudy and squally.
6	992.9	993.2	81.3	79.1	84	79	2.1	1.7	8.1	7.4	74	78	24	7	24	6	4	0	0.3	9.6	76	Squally, with occasional ☉.
7	990.2	990.5	79.3	77.6	82	77	1.9	0.7	7.1	7.4	76	90	24	5	24	2	7	0	0.6	10.0	75	Squally.
8	995.6	1002.0	79.7	78.5	82	77	0.9	1.3	8.5	7.4	86	83	26	5	28	1	8	8	0.9	6.0	74	Cloudy, with ▲ showers.
9	995.2	993.2	80.2	81.1	83	77	0.5	0.9	9.5	9.5	92	89	16	6	20	6	100	4	0.8	3.0	72	Cloudy and squally.
10	996.6	1002.7	81.9	80.4	84	80	1.5	0.7	9.1	9.1	81	90	20	5	20	5	2	0	0.3	11.0	77	Squally.
11	1006.4	1015.9	81.9	77.4	84	77	1.7	0.5	8.8	7.8	79	92	22	3	28	1	7	2	—	—	74	Fine, cloudy intervals.
12	1016.6	1013.5	81.2	80.8	83	76	1.3	0.6	8.8	9.8	82	93	20	4	20	6	4	7	0.4	4.9	72	—, Cloudy and squally.
13	1012.2	1020.3	80.8	79.2	84	80	0.2	1.8	10.2	7.1	97	77	20	6	24	3	100	2	1.3	3.4	78	Cloudy, with ☉ showers.
14	1025.7	1033.5	80.8	79.1	83	77	1.1	1.3	9.1	7.8	86	82	24	3	8	1	8	0	—	—	75	Squally.
15	1035.2	1034.5	81.9	78.6	84	75	1.9	1.2	8.8	7.8	77	85	24	1	30	1	4	0	—	—	75	— early. Very fine.
16	1033.8	1029.1	81.3	84.3	86	76	0.4	4.6	10.2	7.1	94	85	12	2	6	1	6	0	—	—	71	≡ till 9 h. Very fine.
17	1025.0	1021.0	82.5	82.2	87	80	2.3	2.0	8.5	8.8	72	76	8	4	8	6	3	0	—	—	72	Squally.
18	1022.3	1023.3	83.0	83.4	87	80	2.0	2.2	9.1	9.5	76	75	10	4	8	2	000	0	—	—	77	Very fine.
19	1025.4	1026.1	83.3	83.0	89	80	2.3	3.0	9.1	8.1	73	66	12	1	Calm	0	000	0	—	—	75	Very fine.
20	1027.1	1028.4	85.3	84.1	91	80	2.0	4.4	10.8	7.1	76	54	12	1	Calm	0	000	0	—	—	74	— early. Very fine.
21	1028.8	1026.1	87.4	84.3	94	80	1.4	3.6	13.5	8.1	83	62	12	1	Calm	0	000	0	—	—	74	— early. Very fine.
22	1022.3	1018.6	87.4	83.6	90	82	1.6	0.6	13.2	11.9	81	93	24	1	24	3	8	100	0.8	7.8	77	—, Fine to dull. ☉ p.
23	1024.4	1026.4	81.7	81.3	86	78	2.2	2.7	8.1	7.1	73	67	24	4	24	2	3	0	0.6	10.1	76	Fine, but squally.
24	1023.0	1026.7	83.6	82.4	84	81	1.2	0.5	10.8	10.8	86	93	26	5	26	3	10	10	2.7	—	79	Overcast, with ☉ showers.
25	1032.5	1035.5	83.6	81.8	86	81	1.8	1.7	9.8	8.8	79	79	30	2	32	2	2	0	—	—	71	Very fine.
26	1036.2	1035.5	83.1	82.2	86	78	1.7	1.2	9.8	9.8	80	85	4	1	28	1	10	10	—	—	85	—, Dull and cloudy.
27	1034.5	1029.4	84.2	81.3	86	80	2.6	0.9	9.5	9.5	71	88	30	2	30	1	6	0	—	—	77	Very fine.
28	1028.4	1023.3	82.9	78.8	85	77	1.0	0.1	10.5	9.1	87	99	24	1	26	1	8	0	—	—	75	≡ a. Cloudy a., then fine.
29	1020.3	1017.3	79.1	81.3	89	77	0.0	0.5	9.5	10.2	100	93	12	1	6	1	100	6	—	—	75	≡ 7 h.—11 h., then very fine.
30	1018.6	1021.0	83.4	82.3	85	80	2.1	1.5	9.5	9.5	76	80	8	2	10	3	7	6	0.3	9.4	78	Fine.
Mean	1017.1	1017.4	82.4	81.1	85.5	78.8	1.4	1.5	9.7	8.8	83	82	3.0	2.4	5.7	3.1	24.3	8.27	75.7			
Mean Barometer at Station Level.	1006.5	1006.7																				
+ Beaufort Scale (0—12).																						

† Beaufort Scale (0-12).

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

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

## SHREWSBURY, SHROPSHIRE.—APRIL 1914.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H<sub>b</sub>=64.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.

Day.	Barometer at 27° A. 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 beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	9 h.	21 h.	9 h.	21 h.	Max.	Min.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.	9 h.		21 h.
1	millibar.	200 +	200 +	200 +	200 +			millibar.	%	%			†	†	Tenths of Sky covered.	mm.	hr.	200 +			
2	1014.2	1013.9	83.6	82.5	90	77	1.8	1.1	9.8	10.2	79	86	16	2	Calm	0	5	—	76	Very fine.	
3	1012.8	1012.8	84.1	80.8	89	80	1.8	1.4	10.5	8.8	79	83	20	2	Calm	0	7	2	76	Fine.	
4	1015.6	1014.5	83.6	80.1	88	76	1.7	0.4	10.2	9.5	80	94	24	1	Calm	0	6	0	76	Cloudy. ● showers 18 h.	
5	1011.5	1010.5	81.1	80.2	85	78	0.4	1.6	10.2	7.8	95	78	18	2	0	1	10	10	78	Overcast.	
6	1001.7	996.3	83.9	81.6	87	80	2.0	1.3	9.8	9.1	77	83	20	3	0	2	3	8	3	80	Cloudy. ● 15 h.-18 h.
7	998.6	999.0	82.5	79.5	85	79	2.2	0.9	8.8	8.5	73	87	24	0	28	2	5	10	4	79	Squally. ● showers p.
8	994.2	992.9	81.3	77.2	84	77	2.7	0.9	7.1	7.1	67	88	28	5	28	1	4	5	2	77	Fine. ● showers afternoon.
9	997.9	1004.7	82.4	78.6	85	75	2.4	1.7	8.5	7.1	70	78	28	3	20	1	4	5	1	74	Fine. ● showers afternoon.
10	1000.3	999.0	80.9	81.9	87	76	1.3	1.9	8.8	8.5	84	76	18	5	18	3	8	7	1	75	Dull. ● from 11 h.
11	1002.0	1006.8	83.1	80.8	87	79	2.8	1.7	8.5	8.1	68	79	20	5	18	3	10	3	2	77	Fine, but squally.
12	1008.4	1016.6	79.7	80.7	86	79	0.3	1.3	9.5	8.8	96	84	20	1	Calm	0	10	2	0	79	Fine from 10 h.
13	1020.3	1018.6	83.0	79.1	88	76	3.9	1.4	7.1	7.8	58	81	20	4	18	2	3	0	—	75	Fine.
14	1016.6	1021.7	83.0	78.6	89	77	3.0	0.6	8.1	8.5	66	92	20	3	28	2	5	0	—	76	Fine.
15	1027.4	1033.2	81.9	78.9	86	76	2.9	2.0	7.4	6.6	66	74	28	3	Calm	0	8	0	—	76	Cloudy.
16	1035.9	1034.5	81.3	78.0	88	72	2.2	0.6	7.8	8.1	73	92	28	2	Calm	0	2	0	—	74	Very fine.
17	1034.2	1029.1	79.7	76.9	91	72	1.1	0.6	8.1	7.4	84	92	28	1	Calm	0	0	0	—	75	—, 0. Very fine.
18	1025.4	1021.0	84.1	83.1	91	72	3.2	3.7	8.5	7.4	65	60	12	1	Calm	0	0	0	—	76	∞, 0. Very fine.
19	1022.3	1023.3	85.8	83.0	91	76	4.8	4.1	7.8	6.8	53	56	14	3	14	1	0	0	—	75	Very fine.
20	1025.4	1025.4	81.5	81.5	93	72	1.1	1.1	9.5	9.5	86	86	Calm	0	Calm	0	0	0	—	75	Very fine.
21	1027.7	1027.4	85.8	82.7	95	73	3.1	0.8	9.8	10.8	68	89	Calm	0	Calm	0	1	0	—	73	Very fine.
22	1028.8	1026.4	85.0	82.7	96	75	2.3	1.5	10.2	9.8	74	82	12	1	Calm	0	0	0	—	75	Very fine.
23	1023.0	1021.3	88.5	84.4	96	77	3.8	3.5	10.8	8.5	63	62	12	1	20	1	3	0	—	76	Very fine.
24	1026.1	1028.4	83.5	79.7	87	80	4.2	1.0	7.1	8.5	57	86	28	2	Calm	0	6	0	—	78	Cloudy.
25	1025.4	1026.1	84.7	84.7	89	77	1.4	2.0	11.5	10.5	83	77	20	3	28	4	10	9	—	76	Dull and cloudy. ● 14 h. 30 m.
26	1031.8	1035.2	84.2	83.0	87	82	1.8	0.8	10.2	9.8	79	80	32	2	Calm	0	9	10	—	80	Dull.
27	1035.9	1034.5	83.7	81.3	90	74	1.8	0.8	10.2	9.8	79	90	28	1	Calm	0	0	0	—	74	Very fine.
28	1034.2	1031.5	83.3	81.6	90	75	2.5	1.1	8.8	9.5	71	86	28	1	28	1	10	0	—	75	Dull a., then bright.
29	1028.1	1022.7	84.8	84.7	94	75	1.8	1.7	10.8	10.8	79	80	20	1	28	1	0	0	—	74	Fine.
30	1019.3	1016.6	85.8	82.4	96	75	2.2	1.0	11.2	10.2	75	87	Calm	0	28	1	0	0	—	75	Fine.
Mean	1017.6	1020.0	80.9	80.7	85	77	1.1	1.1	9.1	8.8	86	86	4	2	4	1	10	10	—	79	Dull and overcast.
	1018.7	1018.8	83.2	81.0	89.2	76.3	2.3	1.5	9.2	8.8	74	82	2.2	0.9	4.8	2.6	2.04	76.1			
	1010.9	1010.8																			

Notes: Barometer at 27° A. Mean Sea Level and Standard Gravity. (Latitude 45°.)

CAMBRIDGE. a.—APRIL 1914.



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

ARMAGH, a.—APRIL 1914.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H<sub>b</sub>=61.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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.	9 h.	21 h.								
	millibar.		200 +	200 +	200 +	200 +			millibar.	%	%	*	*	Tenths of Sky covered.		mm.	hr.	°						
1	1010.1	1009.5	83.8	81.9	87	81	1.4	1.8	10.8	8.8	84	78	20	2	18	2	10	1	0.4	4.3	Fine.			
2	1008.4	1010.5	83.0	78.3	86	79	1.9	1.0	9.5	7.8	78	87	18	5	20	2	9	2	2.5	6.4	Fine. A few showers.			
3	1013.2	1009.5	81.3	81.8	86	77	1.1	1.0	9.5	9.8	86	87	20	3	12	3	3	10	0.6	7.6	Fine.			
4	1010.1	997.9	81.6	81.0	86	79	1.5	0.8	9.1	9.5	82	91	20	3	14	7	8	10	3.4	5.2	Fine till 18 h., then showers.			
5	993.2	989.1	82.8	79.6	85	79	2.6	1.7	8.5	7.4	70	77	20	8	20	6	9	9	8.7	3.9	showers all day.			
6	991.9	992.2	81.2	77.4	84	77	1.5	2.2	8.8	5.8	81	69	22	7	20	6	10	7	1.7	6.0	showers. Fine intervals.			
7	988.1	990.5	79.5	76.4	83	76	2.2	1.1	6.8	6.4	72	83	20	5	22	3	9	0	2.3	8.5	showers. Fine intervals.			
8	997.6	1001.0	79.0	76.3	84	76	1.1	1.6	7.8	5.8	85	75	24	4	20	2	9	3	1.4	3.4	Cloudy.			
9	989.1	987.8	82.4	79.6	86	76	1.8	1.5	9.1	7.8	77	80	16	5	18	6	10	0	2.3	4.8	Fine. A few showers.			
10	992.5	999.0	81.7	80.9	85	79	2.4	2.7	8.1	7.1	71	68	18	8	18	7	8	9	—	9.3	Fine.			
11	1006.4	1015.6	81.8	76.4	86	76	1.6	1.7	9.1	5.8	80	74	20	3	26	2	10	0	—	2.1	78	Overcast till 14 h., then fine.		
12	1012.5	1008.8	81.2	81.6	84	76	1.7	1.8	8.5	8.5	79	77	18	8	18	7	10	10	3.3	0.1	75	Overcast.		
13	1010.8	1020.3	81.2	78.0	85	78	1.1	1.7	9.1	6.8	86	77	20	4	20	3	10	0	3.6	5.8	79	Fine.		
14	1027.7	1034.2	83.4	78.4	87	77	2.8	1.2	8.5	7.4	68	85	24	3	—	1	2	0	—	8.7	76	Fine.		
15	1034.2	1033.2	84.0	81.0	89	74	2.6	1.3	9.1	8.8	71	84	—	1	18	2	0	0	—	11.5	71	Very fine.		
16	1031.5	1026.7	86.1	81.7	89	75	3.7	2.7	9.5	7.4	62	67	—	1	14	2	0	0	—	12.5	72	Very fine.		
17	1021.3	1017.3	85.1	82.8	88	78	4.0	3.3	8.1	7.4	59	63	12	4	10	4	0	0	—	12.5	74	Very fine.		
18	1019.3	1021.7	85.5	82.8	89	79	1.6	2.6	11.5	8.5	80	69	12	4	14	2	1	0	—	10.8	76	Very fine.		
19	1023.3	1023.7	86.3	84.7	92	76	3.1	3.9	10.2	8.1	67	59	—	0	16	3	0	1	—	12.3	73	Very fine.		
20	1025.7	1026.7	88.5	83.7	94	80	6.6	3.0	7.8	8.5	44	67	18	2	16	2	1	1	—	12.0	76	Very fine and warm.		
21	1026.7	1023.3	90.1	86.2	94	77	4.3	3.6	11.5	9.5	60	63	—	0	16	3	2	0	—	12.8	73	Very fine and warm.		
22	1020.3	1019.6	86.3	80.0	91	80	4.0	0.9	8.5	8.8	54	88	20	5	24	2	9	0	1.6	6.4	78	Fine till 15 h., then showers.		
23	1023.3	1025.4	82.1	81.3	86	77	2.4	3.0	8.1	7.1	64	64	20	4	20	3	9	8	0.9	8.0	76	Fine.		
24	1024.7	1028.4	82.9	82.1	84	80	0.7	1.3	11.2	9.5	91	83	24	3	—	1	10	10	0.1	0.2	80	Overcast.		
25	1033.8	1036.6	84.0	80.1	86	80	2.9	2.1	8.8	7.4	68	73	—	1	—	1	10	0	—	3.1	80	Overcast till 15 h., then fine.		
26	1036.6	1035.5	81.9	82.6	87	76	0.8	1.1	10.2	10.2	90	87	—	1	—	0	10	10	—	—	72	Overcast.		
27	1034.9	1031.1	84.0	81.0	86	81	2.8	1.3	8.8	8.8	69	84	—	1	—	1	10	3	—	0.2	76	Overcast.		
28	1027.7	1023.0	81.3	81.1	86	77	0.7	0.7	9.8	9.8	90	91	—	0	—	0	10	0	0.3	3.8	74	Overcast till 15 h., then fine.		
29	1021.0	1018.3	83.6	78.4	88	76	1.0	1.4	11.2	7.1	89	82	—	1	—	1	7	0	—	10.3	74	Very fine.		
30	1017.9	1020.6	84.8	81.9	86	76	2.2	1.5	10.5	9.1	75	81	—	1	—	1	8	10	—	2.5	72	Cloudy.		
Mean	1015.8	1015.9	83.4	80.6	87.0	77.6	2.3	1.9	9.2	8.0	75	77	3.2	2.8	6.8	3.5	33.1	6.50	76.0					
Mean Barometer at Station Level.	1008.3	1008.3																						

DUBLIN (PHOENIX PARK), a.—APRIL 1914.

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

	Barometer at 273° A. 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 beginning 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.	Tenths of Sky covered.	9 h.	21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		200 + 200 + 200 + 200 +					millibar.																
1	1011.5	1011.2	85.3	81.9	89	81	1.3	0.7	11.9	10.2	84	92	22	2	18	3	6	—	—	—	Fine.			
2	1010.1	1011.5	84.1	80.9	87	78	1.3	0.7	11.2	9.5	85	91	22	2	24	1	5	7	8.9	7.3	Fine.			
3	1013.5	1009.5	84.2	82.5	89	77	1.5	1.1	10.8	10.2	82	86	22	1	10	1	4	10	6.6	7.4	Fine.			
4	1011.2	1000.0	82.0	83.4	86	79	1.1	1.1	9.8	10.8	86	87	24	2	14	4	7	10	3.4	5.9	• till 5 h. Fine.			
5	997.3	992.9	83.4	82.9	86	80	1.6	0.7	10.2	11.2	81	91	22	4	22	3	8	8	1.4	4.7	Dull. Bright intervals.			
6	995.9	995.6	81.2	78.0	85	78	1.0	0.6	9.5	8.1	87	92	22	5	22	3	7	0	1.5	8.3	• showers a. and p.			
7	990.8	991.5	80.0	76.8	84	76	1.0	0.5	8.5	7.4	86	93	22	4	24	1	5	0	0.3	10.3	76			
8	999.3	1002.4	80.7	73.5	83	74	1.3	0.2	8.8	6.1	84	96	26	3	Calmo	0	7	2	—	3.2	72			
9	991.9	991.2	80.7	81.2	86	73	0.5	1.0	9.8	9.5	94	88	18	4	18	3	10	4	5.3	5.2	Cloudy.			
10	995.6	1002.0	83.2	79.5	86	79	1.4	0.7	10.2	8.8	83	90	22	5	20	3	2	1	1.7	9.9	77			
11	1006.8	1016.2	82.6	76.1	85	76	1.1	0.4	10.2	7.1	87	94	22	2	Calmo	0	7	2	—	6.4	74			
12	1015.9	1012.2	82.4	81.4	86	73	1.5	0.9	9.5	9.8	81	89	20	4	20	4	9	4	2.5	3.0	Dull.			
13	1012.8	1021.3	80.7	78.3	86	78	0.3	0.9	10.2	7.8	97	88	22	3	24	2	10	0	0.5	4.6	79			
14	1028.1	1032.8	82.3	74.2	86	74	0.9	0.1	10.5	6.4	88	97	24	3	Calmo	0	8	0	—	11.3	73			
15	1033.8	1033.2	84.5	75.6	87	71	1.8	0.3	10.8	7.1	79	95	Calmo	0	12	1	2	0	—	12.1	69			
16	1031.8	1026.7	83.4	77.6	86	70	1.1	0.2	10.8	8.1	88	97	6	1	Calmo	0	0	0	—	12.1	67			
17	1021.0	1015.9	84.3	84.3	88	74	1.5	1.4	10.8	11.2	82	83	12	3	10	1	1	0	—	12.9	70			
18	1018.3	1021.3	85.7	79.1	89	79	1.6	0.3	11.9	8.8	80	95	12	3	Calmo	0	2	0	—	11.0	76			
19	1023.3	1024.4	87.9	77.3	90	74	2.0	0.3	13.2	7.8	95	93	Calmo	0	Calmo	0	0	0	—	11.9	71			
20	1026.1	1026.7	88.4	77.8	91	74	3.1	0.2	11.9	8.5	69	96	Calmo	0	Calmo	0	0	0	—	10.5	71			
21	1026.7	1024.7	90.1	78.7	93	74	2.6	0.2	14.2	8.8	74	98	Calmo	0	Calmo	0	0	0	—	12.8	71			
22	1021.3	1020.6	88.4	80.4	92	75	2.7	0.1	12.5	10.2	73	98	22	2	26	2	2	10	0.3	8.4	71			
23	1025.4	1027.4	82.4	81.1	87	76	1.0	0.7	10.2	9.8	88	91	22	3	24	2	9	0	—	7.7	73			
24	1026.1	1028.4	84.9	82.7	87	81	0.7	0.6	12.5	11.2	91	92	24	3	26	2	10	4	—	0.7	78			
25	1033.5	1036.2	85.3	76.7	86	76	1.1	0.5	12.2	7.4	86	94	30	2	Calmo	0	5	0	0	—	3.5	77		
26	1035.9	1034.9	80.1	83.4	88	74	1.5	0.5	12.5	11.9	83	95	Calmo	0	Calmo	0	0	10	0	—	6.6	70		
27	1034.9	1031.5	83.5	75.9	86	75	0.7	0.1	11.5	7.4	91	99	Calmo	0	Calmo	0	10	0	—	5.7	72			
28	1027.7	1031.3	82.9	80.4	85	74	0.4	0.0	11.5	10.2	95	99	Calmo	0	Calmo	0	10	10	—	6.1	71			
29	1020.3	1017.6	84.7	77.3	87	77	0.7	0.0	12.5	8.1	92	100	Calmo	0	Calmo	0	6	0	—	9.9	72			
30	1017.3	1019.3	84.0	80.8	86	73	0.6	0.2	12.2	10.2	92	98	6	3	8	1	2	0	—	10.2	70			
Mean	1016.8	1016.8	84.0	79.3	87.1	75.7	1.3	0.5	11.0	9.0	85	93	2.1		1.2		5.1	2.7	23.5	7.93	73.0			
Mean Bar- ometer at Station Level.	1010.9	1010.7																						
* Metres per second. † Beaufort Scale (0-12).																								
x denotes the maximum and n the minimum value in the column.																								
METEOROLOGICAL OFFICE, LONDON, June 18th, 1914.																								



FORT WILLIAM, INVERNESS-SHIRE, a.—MAY 1914.

Heights above Mean Sea Level:—Station,  $H = 52 \cdot 1$  m.; Barometer,  $H_b = 11 \cdot 6$  m. Heights above Ground:—Therms.,  $h_t = 1 \cdot 2$  m.  
Rain-gauge,  $h_r = 0 \cdot 30$  m. Lat.  $56^\circ 49' N$ . Long.  $5^\circ 7' W$ . Time, Greenwich mean time.

Day.	Barometer at 273° A. 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 beginning 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.	9 h.	21 h.	9 h.	21 h.	mm.		hr.	200 +
	millibar.		200 +	200 +	200 +	200 +	millibar.								Tenths of Sky covered.							
1	1027.7	1027.4	78.6	77.9	86	76	3.3	2.1	5.4	6.2	60	71	4	4	20	1	10	2	mm.	hr.	200 +	Fine, clear, and sunny.
2	1026.1	1019.6	80.6	79.1	86	75	2.1	1.3	7.6	7.7	74	82	20	3	20	2	10	10	—	—	—	Fine generally.
3	1011.5	1003.4	81.9	81.3	83	77	2.8	0.7	7.5	9.9	67	92	Calm	0	Calm	0	10	10	—	—	—	Dull and cloudy.
4	997.6	993.9	83.4	82.1	85	81	1.0	0.7	11.0	10.4	87	91	20	1	20	1	10	10	4.6	—	—	Dull and showery.
5	990.8	996.9	81.9	83.0	85	80	1.1	2.2	9.7	9.0	86	74	Calm	0	24	2	10	10	7.6	—	—	Dull and showery.
6	1000.3	998.6	82.4	80.8	86	81	0.9	0.7	10.5	9.6	89	92	24	1	Calm	0	10	10	3.0	—	—	Dull and showery.
7	995.2	994.2	82.4	80.9	85	79	1.2	1.3	10.0	8.8	86	83	Calm	0	20	1	10	10	0.5	—	—	Fair, but dull.
8	994.2	1004.4	79.1	78.6	81	77	0.7	1.6	8.4	7.1	90	78	Calm	0	20	1	10	10	4.3	—	—	Dull and showery.
9	1016.2	1017.9	77.4	77.4	80	76	3.3	2.3	4.8	5.7	57	68	4	4	8	4	10	10	8.9	—	—	Dull and showery.
10	1010.5	1010.1	79.7	78.6	84	73	2.3	1.2	6.9	7.5	70	84	24	2	18	2	10	10	—	—	—	Fair, but dull.
																			8.0	9.4	—	Fine generally.
11	1009.8	1021.0	80.0	77.4	84	76	1.4	1.1	8.1	7.0	81	84	20	2	4	4	9	6	0.8	—	—	☁ on hills.
12	1024.1	1016.9	81.0	79.4	84	75	3.6	0.4	6.3	8.9	59	94	Calm	0	20	4	9	10	2.5	—	—	Mostly fair.
13	1017.6	1022.7	83.4	83.1	87	79	0.9	0.7	11.0	11.3	88	92	20	3	20	1	10	10	—	—	—	Fair, but dull.
14	1025.0	1025.0	84.9	81.8	89	81	2.4	1.0	10.0	9.8	72	87	20	2	Calm	0	9	4	—	—	—	Very fine and sunny.
15	1027.4	1028.4	86.0	86.9	92	80	2.4	3.3	10.9	10.3	73	65	Calm	0	Calm	0	8	10	—	—	—	Very fine and sunny.
16	1027.7	1027.4	85.8	85.2	89	82	2.6	1.7	10.5	11.3	72	79	Calm	0	Calm	0	10	10	—	—	—	Dull; ☁.
17	1027.7	1028.1	87.9	84.5	93	82	3.3	1.5	12.7	11	76	82	24	2	24	2	0	10	—	—	—	Fine and sunny.
18	1027.4	1027.4	84.0	84.4	85	81	1.1	0.6	11.4	12.4	87	92	20	3	20	2	10	10	1.5	—	—	Overcast.
19	1030.8	1029.1	84.0	82.1	88	81	3.7	1.9	7.9	8.8	61	77	24	2	20	1	10	10	—	—	—	Fine and sunny.
20	1019.6	1023.3	84.5	81.4	87	80	0.4	1.1	12.7	9.3	94	86	20	4	24	2	10	10	25.4	1.0	—	Fine and sunny.
																			1.0	—	—	Fair to fine.
21	1018.9	1018.6	84.1	82.5	87	80	2.2	1.3	9.7	9.9	74	84	24	4	20	4	10	10	2.5	—	—	Fair to fine.
22	1019.3	1019.6	82.4	79.6	85	79	1.1	1.7	10.1	7.5	87	77	20	2	20	1	10	10	0.5	—	—	Showery, with sunny intervals.
23	1017.6	1021.0	82.4	79.0	87	77	3.3	2.8	7.3	6.1	62	65	4	2	28	4	7	2	0.5	—	—	Fine, clear, and sunny.
24	1025.4	1028.1	77.9	76.9	83	73	1.7	2.1	6.6	5.7	77	72	4	4	6	2	8	0	—	—	—	Fine and clear.
25	1028.4	1025.4	80.8	79.6	87	78	2.2	2.8	7.1	7.0	67	72	Calm	0	20	1	4	9	—	—	—	Fine and clear.
26	1025.0	1024.4	84.4	81.9	90	75	4.7	1.6	7.0	9.0	53	80	Calm	0	4	3	2	7	0.3	—	—	Fine and clear.
27	1023.3	1021.0	85.8	84.0	90	77	3.2	1.1	9.7	11.3	67	87	20	2	20	2	6	10	0.8	—	—	Fine and clear.
28	1019.3	1015.6	83.5	81.9	89	81	0.6	1.1	11.8	9.7	93	86	20	3	20	5	10	10	1.8	—	—	Fair to fine.
29	1011.5	1014.2	83.5	82.6	86	82	2.2	0.9	12.4	10.5	98	89	20	3	20	2	10	10	—	—	—	☉ all day.
30	1018.9	1018.9	84.8	81.9	88	81	3.1	1.7	9.0	8.8	66	78	16	2	20	2	8	1	6.6	—	—	Fine, clear, and sunny.
31	1013.2	1020.6	84.1	80.8	87	81	2.7	1.7	9.1	8.2	70	79	24	4	Calm	0	8	8	0.3	—	—	Fine and sunny generally.
Mean	1017.0	1017.5	82.7	81.2	86.4	78.4	2.1	1.5	9.1	8.9	76	81	1.9	1.8	8.6	7.9	83.3	—	—	—	—	—
Mean Barometer at Station Level.	1015.6	1016.0																				

## DOUGLAS, ISLE OF MAN, a.—MAY 1914.

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,  $h_r = 0.30$  m. Lat.  $54^{\circ} 10' N.$  Long.  $4^{\circ} 28' W.$  Time, Local mean time.

		Long. 4 28 W. Time, Local mean time.																					
1	1026'4	1028'4	79'6	80'9	82	79	1'6	1'5	7'8	8'5	78	82	12	2	10	3	10	10	—	0'7	78	Dull and overcast.	
2	1028'1	1019'3	79'7	81'9	83	78	2'5	1'4	6'8	9'1	68	83	14	4	12	5	2	4	4'5	1'10	76	Fine, but squally.	
3	1013'2	1005'7	80'2	82'4	84	80	0'0	0'0	10'2	11'9	100	100	12	3	12	3	100	100	10'9	0'6	79	Overcast. $\equiv$ at times. $\bullet$ showers	
4	1003'0	999'0	83'9	82'1	85	82	0'7	0'2	11'9	11'2	91	97	20	4	12	3	10	8	7'1	2'5	80	Cloudy and squally.	
5	997'3	1000'7	83'4	81'9	85	81	1'4	0'5	10'5	10'5	83	94	24	5	22	4	8	8	4'1	3'2	80	(6 h. Cloudy and squally.	
6	1004'0	999'6	83'0	81'3	85	81	1'0	1'1	10'5	9'5	87	86	24	4	20	2	8	100	6'0	2'3	80	Dull and gloomy.	
7	994'9	995'9	81'1	80'4	85	80	0'7	0'7	9'8	9'1	91	90	28	2	26	2	10	10	2'1	1'8	80	Dull and gloomy.	
8	997'9	998'3	79'7	79'7	82	77	1'4	0'6	7'8	9'1	81	92	24	4	28	7	8	100	2'7	2'6	76	Cloudy and squally.	
9	1014'0	1019'6	79'7	76'3	81	76	2'8	1'6	6'4	5'8	65	75	28	6	26	1	3	4	4'1	8'4	76	Cloudy.	
10	1012'5	1015'6	79'7	80'0	84	76	0'0	1'3	9'8	8'1	100	83	12	2	26	1	100	8	2'5	4'0	74	$\equiv$ $\bullet$ a. Fine afternoon.	
11	1012'8	1017'3	81'6	79'6	83	78	2'2	1'3	8'1	8'1	73	82	24	4	26	2	8	0	1'2	10'0	76	Fine, but squally.	
12	1025'4	1024'7	81'3	78'1	82	77	2'8	0'7	7'1	7'8	66	91	32	1	24	3	8	100	2'4	8'0	74	a. Fine till 15 h., then dull.	
13	1020'6	1024'7	82'5	82'4	86	77	0'3	0'5	11'2	10'8	96	93	24	3	28	4	10	8	—	2'3	77	Dull and cloudy.	
14	1026'7	1026'7	82'1	81'0	87	81	1'0	0'5	10'8	10'2	88	95	24	2	28	1	10	0	—	5'8	80	Dull a., then fine.	
15	1027'4	1027'1	85'2	87'4	91	79	1'6	2'3	11'2	13'2	80	75	12	1	8	4	2	10	—	10'1	77	a. Very fine till 15 h.	
16	1029'8	1029'1	82'2	84'9	88	82	0'3	1'5	11'2	11'2	96	82	10	3	10	1	100	8	—	5'5	82	$\equiv$ a. Fine afternoon.	
17	1030'1	1029'8	86'9	86'9	x 92	82	1'7	0'9	12'9	11'5	81	89	14	1	30	2	800	2	—	8'0	80	$\infty$ a. Very fine.	
18	1030'5	1030'1	85'9	83'0	91	80	1'9	1'3	11'5	12'5	79	85	26	2	26	1	6	10	—	11'4	77	a. Very fine.	
19	1032'2	1031'5	85'4	84'2	89	x 84	0'4	0'2	13'5	12'9	95	98	26	1	12	1	10	8	—	0'2	84	Dull and overcast.	
20	1027'1	1026'7	88'0	85'2	90	81	1'9	0'7	13'2	12'9	79	91	22	5	24	2	7	3	—	2'9	80	a. Cloudy and squally.	
21	1024'4	1023'0	86'3	83'6	89	x 84	1'1	0'3	13'2	12'2	87	97	20	3	22	2	8	4	—	9'9	84	Very fine.	
22	1028'0	1018'9	84'7	83'7	87	83	1'1	0'7	11'9	11'9	86	92	20	1	Cal	0	10	8	—	—	—	—	
23	1014'9	1020'6	81'3	79'3	84	79	1'6	2'6	8'5	6'4	79	67	28	5	26	5	8	4	0'9	5'1	82	a. Fine.	
24	1024'7	1028'1	81'6	79'7	84	77	3'6	0'8	6'4	8'8	x 59	88	32	4	8	2	4	8	—	6'4	79	Fine, but squally.	
25	1029'1	1026'7	80'2	78'0	83	77	1'3	1'1	8'1	7'4	82	84	16	2	12	1	8	0	5'1	11'5	76	Fine, but squally.	
26	1025'4	1025'7	83'2	79'3	86	x 75	3'3	2'2	7'8	6'8	63	71	12	2	28	1	6	0	—	10'2	76	Very fine from 9 h.	
27	1025'0	1024'0	86'3	82'1	89	78	4'0	2'1	9'1	8'5	x 59	74	28	2	28	1	200	3	—	11'2	n 72	early a. Very fine.	
28	1023'3	1021'0	86'1	84'7	87	82	2'0	2'3	11'5	10'2	78	74	28	3	28	2	8	100	—	14'0	75	$\infty$ a. Very fine.	
29	1016'9	1016'2	82'4	84'9	86	81	0'0	0'0	11'9	13'9	100	100	22	2	28	1	100	10	0'8	—	81	Dull.	
30	1020'1	1022'0	84'0	81'5	86	81	1'9	1'2	10'2	9'5	77	84	28	3	28	2	4	2	—	12'2	82	Overcast. $\equiv$ at times.	
31	1016'9	1022'0	85'8	80'8	87	80	0'7	0'7	13'5	9'5	92	92	24	5	28	4	8	6	0'3	6'9	78	Very fine.	
Mean	1019'2	1019'3	83'1	81'8	85'9	79'7	1'5	1'1	10'1	9'9	82	87	2'9	2'4	7'5	6'3	74'7	5'94	78'4				Fine, but squally.
Mean Barometer at Station Level.	1008'6	1008'6																					
+ Beaufort Scale (0—12).																							

+ Beaufort Scale (0—12).

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

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

SHREWSBURY, SHROPSHIRE.—MAY 1914.

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. = 0·30 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.

Day.	Barometer at 273° A. 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 beginning 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	1026.1	1028.8	80.2	76.3	84	0	2.0	1.0	7.4	6.4	74	85	4	2	Calm	0	10	0	—	72	a. Cloudy.	
2	1029.1	1021.3	80.2	80.3	86	73	0.8	2.6	8.8	7.1	89	68	12	3	12	2	9	0	—	72	a. Fine.	
3	1015.9	1009.1	84.4	85.2	90	77	2.0	1.1	10.2	12.2	77	86	18	3	20	3	10	100	1.3	69	Cloudy.	
4	1006.8	1003.7	87.4	84.1	88	84	2.7	2.2	11.5	9.8	71	74	20	4	20	3	9	10	0.4	84	Squally, with showers.	
5	1001.0	1002.0	85.0	82.3	88	82	2.6	1.1	9.8	10.2	71	86	20	4	28	2	9	5	0.8	81	showers. Cloudy.	
6	1005.7	1001.3	84.2	82.4	87	81	2.0	1.6	10.2	9.5	76	79	28	1	18	2	9	100	0.5	79	most of day.	
7	990.3	997.6	84.1	81.3	86	81	1.3	0.4	10.8	10.2	84	94	20	3	Calm	0	10	8	0.8	81	Dull.	
8	1000.0	999.3	81.3	79.9	86	77	2.2	0.6	7.8	9.1	73	92	24	2	24	1	5	100	2.3	76	Cloudy.	
9	1013.2	1020.6	79.1	77.7	82	78	1.7	1.8	7.4	6.4	78	75	30	4	Calm	0	10	3	1.8	79	Dull and cold.	
10	1015.9	1014.9	78.6	82.4	86	75	0.4	2.2	8.5	8.8	95	73	18	2	20	1	100	8	0.5	75	Cold, with a. showers.	
No record.																						
11	1015.2	1015.9	82.3	78.7	88	77	2.9	0.9	7.8	8.1	66	89	20	2	30	2	9	7	0.8	76	Dull.	
12	1024.7	1025.7	81.7	80.2	85	76	3.7	1.6	6.4	7.8	59	78	30	2	Calm	0	4	10	—	75	Very fine, but cool.	
13	1021.7	1024.0	84.0	85.8	89	79	2.1	1.7	9.8	11.9	75	81	28	3	30	1	10	9	—	79	Cloudy.	
14	1026.7	1026.4	84.6	82.0	87	82	1.2	0.1	11.5	11.5	85	100	28	1	Calm	0	10	1	—	83	Dull.	
15	1027.1	1027.4	83.3	80.8	94	79	0.3	0.5	11.9	9.8	96	94	30	1	Calm	0	10	0	—	77	Very fine.	
16	1029.4	1028.8	86.4	84.8	92	80	2.4	1.4	11.2	11.5	73	83	4	2	Calm	0	2	0	—	80	Fine.	
17	1030.1	1029.4	89.1	82.0	97	76	4.8	0.4	10.2	10.8	55	96	12	1	Calm	0	2	0	—	76	Very fine.	
18	1029.8	1029.4	88.6	84.8	94	76	2.8	2.1	12.5	10.5	71	76	28	1	28	1	2	4	—	77	Very fine.	
19	1031.1	1030.1	90.0	86.9	92	77	3.2	1.7	13.2	12.9	69	81	32	1	Calm	0	7	5	—	82	Dull.	
20	1029.1	1027.7	89.1	85.5	95	83	2.4	1.4	13.5	11.9	75	83	28	1	20	3	9	3	—	80	Dull a. Cloudy.	
No record.																						
21	1026.4	1025.0	88.9	85.7	93	86	2.7	1.8	12.9	11.5	73	80	20	3	24	1	5	0	—	77	Fine.	
22	1022.7	1017.6	89.0	86.1	94	81	2.9	1.4	12.5	12.5	71	84	24	2	28	2	9	5	0.8	79	Fine. R.p.	
23	1012.8	1019.3	83.5	81.1	86	81	0.5	0.9	11.9	9.5	94	89	28	2	28	1	100	8	—	83	Dull and overcast.	
24	1023.3	1026.4	83.0	79.7	85	79	3.0	2.5	8.1	6.8	66	68	30	2	Calm	0	9	6	—	80	Cloudy and cool.	
25	1028.8	1026.1	80.3	79.6	85	77	1.6	1.0	8.1	8.5	78	86	4	2	Calm	0	9	10	—	76	Cloudy.	
26	1025.0	1024.4	82.2	80.0	86	72	2.8	1.2	7.8	8.5	67	83	12	1	Calm	0	0	2	—	72	Dull and cloudy.	
27	1025.0	1024.4	85.3	80.2	90	72	3.0	2.1	9.5	7.4	67	73	30	2	Calm	0	1	0	—	71	Fine.	
28	1023.0	1022.0	86.3	84.3	91	76	2.1	1.3	11.9	11.2	76	84	28	2	Calm	0	7	9	2.5	74	Cloudy.	
29	1019.3	1016.9	84.1	84.7	86	82	0.5	0.7	12.2	12.5	93	92	20	1	Calm	0	100	10	0.5	82	a. Dull and cloudy.	
30	1018.9	1022.3	86.3	81.8	89	82	1.9	0.9	11.9	9.8	78	88	28	3	Calm	0	9	8	—	84	Dull and cloudy.	
31	1019.6	1019.6	88.3	81.9	90	80	3.2	2.2	11.5	8.1	68	73	28	3	28	2	8	0	1.0	77	showers from 11 h.	
Mean	1020.0	1019.6	84.6	82.2	88.9	78.5	2.2	1.4	10.3	9.8	76	83	2.1	0.9	7.5	5.2	17.7			77.8		
	1012.1	1011.7																				

CAMBRIDGE 2—MAY 1914.

CAMBRIDGE, a.—MAY 1914.

Heights above Mean Sea Level:—Station, H = 12·8 m.; Barometer, H<sub>b</sub> = 13·1 m. Heights above Ground:—Therms., h<sub>1</sub> = 1·2 m.  
Rain-gauge, h<sub>r</sub> = 0·30 m. Lat. 52° 12' N. Long. 0° 8' E. Time, Local mean time.

Rain gauge, $h_r = 0.30$ m. Lat. 52 12 N. Long. 10 10 W.															Rain gauge, $h_r = 0.30$ m. Lat. 52 12 N. Long. 10 10 W.														
1	1023.3	1028.8	81.4	78.1	83	76	0.3	1.8	10.5	6.8	66	76	32	3	32	2	9	—	4.6	73	Cloudy, with bright intervals.								
2	1029.4	1024.0	81.3	77.6	85	75	3.3	1.2	6.8	7.1	83	6	2	8	1	9	0	5.7	70	Gloomy till 13 h., then bright.									
3	1018.9	1013.9	81.3	85.7	91	76	3.2	2.5	9.1	10.5	66	73	12	2-3	20	3	9	3.1	70	Overcast most of day.									
4	1008.4	1006.1	86.9	85.1	90	85	0.6	1.5	14.6	11.5	92	81	20	2	20	2	7	2.0	82	• 4 h. Overcast most of day.									
5	1003.0	1001.3	86.4	83.6	90	82	2.7	1.2	10.8	10.8	70	86	20	5	20	3	9	0.5	79	Sunny. • showers. — 15 h. 30 m.									
6	1005.1	1003.4	86.2	83.7	87	81	2.9	1.9	10.5	9.8	69	78	22	3-4	20	1	7	0.5	64	Overcast from 11 h. 30 m.									
7	996.9	995.6	85.8	83.8	90	81	1.6	0.2	11.9	12.5	82	98	20	6-7	20	2	9	3.8	81	Cloudy. • 16 h., 19 h. and 20 h.									
8	1000.0	1000.0	83.4	80.8	87	80	3.1	1.6	8.1	8.5	66	80	20	5-6	22	7	8	1.8	77	Beautiful day. Δ 13 h. 30 m.									
9	1006.8	1018.3	81.3	78.6	82	78	1.6	0.8	8.5	8.1	79	89	28	4-5	32	1	10	0.3	0.4	77	Overcast.								
10	1018.3	1013.2	80.8	82.9	84	74	2.7	0.9	7.1	10.8	68	88	20	1	22	2	10	0.8	—	72	Gloomy. • 10 h.—17 h.								
11	1014.9	1013.2	83.6	79.7	86	75	2.8	0.6	8.8	9.1	68	92	22	1	Calm	0	10	10.0	0.3	2.5	72	Cloudy.							
12	1020.0	1017.7	82.1	81.3	85	77	1.9	2.3	8.8	7.8	77	71	30	4	30	2-3	8	—	7.0	75	Sunny most of day.								
13	1021.3	1022.0	82.9	85.3	86	77	2.0	1.1	9.1	12.2	76	86	24	2	24	1	10.0	—	—	74	Gloomy.								
14	1024.7	1025.4	87.5	86.3	91	80	2.0	0.7	12.9	13.9	78	91	24	2	24	1	5	—	1.9	75	Sunny early, then overcast.								
15	1025.7	1028.1	88.8	81.9	92	82	2.4	0.7	13.2	10.2	75	92	12	1	4	1	0	—	11.0	79	Beautiful day.								
16	1029.4	1028.8	83.2	84.1	92	79	0.6	2.2	11.5	9.8	92	74	32	1	32	1	10.0	—	9.4	75	Sunny from 10 h.								
17	1029.8	1028.8	85.2	84.2	93	78	1.7	2.9	11.2	8.8	79	68	32	1	32	1	10.0	—	10.4	76	Beautiful day.								
18	1028.4	1027.1	89.2	87.3	96	75	4.8	2.4	10.0	11.9	55	74	32	2	Calm	0	4	—	13.1	71	Beautiful day.								
19	1029.1	1029.8	87.2	86.1	96	80	1.2	0.9	13.9	13.5	85	89	28	1	Calm	0	10.0	—	10.8	76	• early a. Fine.								
20	1028.8	1026.7	88.8	85.9	97	80	2.3	0.9	13.5	13.2	77	90	16	2	24	1	10	—	7.6	76	Sunny, close and warm.								
21	1025.4	1023.0	92.8	87.5	98	80	5.3	1.2	12.5	14.2	53	85	12	2	24	1	0	—	12.6	76	Beautiful day.								
22	1022.7	1015.2	91.3	90.3	99	80	3.2	2.9	14.2	13.9	99	71	20	2	20	1	0	5.6	28.6	11.7	77	Sunny till 18 h. < 21 h. R 22 h.							
23	1009.5	1016.6	88.0	82.0	91	82	0.6	0.7	15.9	10.5	94	92	20	1	28	4-5	10.0	10	1.8	82	• 7 h. T. Overcast. • 15 h.—19 h.								
24	1021.0	1024.0	84.2	80.9	87	80	3.1	2.7	8.8	7.1	66	68	32	4	32	3	7	—	9.8	80	Fine till 16 h., then overcast.								
25	1026.1	1025.7	82.4	79.1	85	77	3.7	2.2	6.8	6.8	58	71	32	3	32	2	6	—	7.5	75	Fine. Very cold.								
26	1022.7	1022.3	82.1	78.6	86	75	2.8	1.7	7.8	7.1	67	78	32	3-4	32	1	5	—	12.0	73	Fine.								
27	1022.7	1023.3	83.6	81.1	87	75	2.7	2.9	8.8	7.1	69	65	32	2-3	32	1	8.00	—	11.6	72	Overcast most of day.								
28	1022.0	1020.3	82.4	82.3	86	75	2.2	0.9	8.5	10.5	72	68	28	1	12	1	9	—	0.7	72	Fine till noon, then overcast.								
29	1018.6	1016.6	86.8	85.4	91	80	2.0	1.0	12.2	12.5	73	88	16	1	20	1	7	10.0	—	4.2	79	Sunny a., then overcast.							
30	1017.6	1019.6	90.2	87.4	91	82	3.9	1.5	12.2	13.5	67	82	24	1	24	1	9	10	—	7.4	81	Sunny till 13 h. • 15 h.—19 h.							
31	1017.9	1015.9	88.2	83.5	92	82	3.9	1.1	10.5	10.8	62	87	24	3	24	2-3	2	9	3.6	6.6	81								
Mean	1018.9	1018.7	85.4	83.2	89.5	78.6	2.5	1.5	10.6	10.4	73	82	—	2.5	1.7	6.7	5.7	25.1	6.16	76.0	—								
	1017.4	1017.0																											
+ Beaufort Scale (0—12).																													
— denotes the maximum and n the minimum value in the column.																													

+ Beaufort Scale (0-12).

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



## ARMAGH, a.—MAY 1914.

Heights above Mean Sea Level:—Station, H = 59.8 m.; Barometer, H<sub>b</sub> = 61.6 m. Heights above Ground:—Therms, h<sub>t</sub> = 1.2 m.  
Rain-gauge, h<sub>r</sub> = 0.30 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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	1025.0	1026.4	82.2	78.4	84	79	2.4	1.4	8.1	7.1	71	82	—	1	10	2	10	0	—	3.2	75	Overcast a. Fine p.	
2	1024.7	1016.9	81.1	79.7	84	78	3.8	2.0	6.1	7.4	57	74	14	7	12	2	9	10	0.4	6.4	76	Overcast from 14 h.	
3	1007.8	1000.3	84.7	83.1	91	79	1.1	0.4	11.9	11.9	86	96	14	5	16	4	10	9	1.5	2.0	77	Cloudy. ☉ showers.	
4	999.0	996.3	85.1	82.2	89	82	1.7	1.6	11.2	9.1	80	79	18	5	20	5	10	2	2.9	2.5	82	Cloudy. ☉ showers.	
5	994.9	1002.7	83.0	82.1	87	81	1.3	1.2	10.2	9.8	84	84	20	4	—	1	10	2	1.6	5.7	80	Cloudy. ☉ showers.	
6	1003.0	997.3	83.7	80.8	85	81	2.9	0.7	8.5	9.5	68	92	—	1	—	1	10	8	5.2	0.3	80	Overcast. ☉ from 19 h.	
7	995.6	997.6	82.3	77.5	85	77	1.7	0.5	9.1	7.8	80	92	—	0	—	1	10	10	2.6	0.8	80	Cloudy. ☉ showers p.	
8	998.6	1007.4	83.5	78.9	85	75	2.8	1.1	8.5	7.8	69	86	—	1	30	4	7	10	2.0	4.0	74	Fine a. ☉ showers p.	
9	1017.9	1019.3	78.9	78.3	82	76	2.8	1.4	6.1	7.1	66	81	—	1	—	1	10	10	1.8	3.2	74	Cloudy and cool.	
10	1011.5	1015.9	84.0	77.4	86	77	1.4	1.2	10.8	6.8	84	82	—	1	—	1	10	0	1.4	3.4	76	Cloudy.	
11	1012.5	1019.6	79.6	79.8	85	77	1.4	1.7	7.8	7.8	80	77	20	2	32	2	9	10	2.7	8.3	76	Fine.	
12	1027.1	1023.3	82.3	78.0	84	76	3.4	0.5	7.1	8.1	61	94	—	1	20	4	10	10	2.3	1.0	73	Cloudy. ☉ showers from 18 h.	
13	1022.0	1026.4	84.7	83.9	89	77	1.7	1.1	10.8	11.2	80	88	—	1	—	0	10	10	—	1.7	77	Cloudy.	
14	1026.7	1026.4	84.0	83.4	90	80	2.0	3.2	9.8	8.1	77	64	—	1	—	1	10	0	—	7.0	80	Overcast a., then very fine.	
15	1028.1	1028.1	86.3	81.6	90	77	2.2	1.1	11.5	9.5	75	86	—	1	—	1	2	3	—	6.8	74	Fine.	
16	1027.1	1028.4	89.0	85.0	94	78	2.8	1.0	12.9	12.2	72	89	—	1	—	1	1	7	—	12.5	75	Fine.	
17	1029.1	1030.1	88.4	83.4	93	80	2.2	1.2	13.2	10.8	77	86	—	1	—	1	9	3	—	7.4	77	Fine.	
18	1030.1	1030.1	86.1	86.5	93	80	2.1	1.1	11.5	13.5	76	87	—	1	—	0	2	10	0.6	6.0	77	Fine.	
19	1032.5	1029.8	84.6	83.0	87	83	1.2	0.6	11.5	11.2	86	93	—	1	16	2	10	0	—	2.0	83	Overcast till 17 h.	
20	1026.1	1025.0	86.3	85.3	89	83	2.2	0.7	11.5	12.9	75	91	20	4	20	2	10	10	—	1.9	82	Cloudy.	
21	1022.7	1021.0	86.4	86.5	91	85	2.9	1.4	10.5	12.9	68	84	20	4	20	2	8	9	—	8.0	84	Fine.	
22	1020.6	1019.6	86.5	81.0	88	81	2.9	0.4	10.5	10.2	68	96	—	1	—	1	10	10	1.9	0.3	79	Overcast. ☉ from 19 h.	
23	1018.3	1023.3	82.2	77.3	85	77	2.6	1.2	8.1	6.8	69	82	30	2	—	1	9	0	—	6.7	79	Fine, but cool.	
24	1026.4	1029.4	81.2	75.8	85	74	2.3	1.1	7.8	6.1	71	83	—	1	—	1	8	0	0.6	9.2	70	Fine, but cool.	
25	1028.1	1025.0	82.3	80.6	87	77	2.2	3.8	2.6	6.8	7.1	58	68	—	1	18	3	0	8	—	11.2	n 69	— n. Fine.
26	1024.4	1024.4	85.0	81.1	87	80	3.9	3.1	8.1	6.8	60	63	—	1	16	2	9	0	—	2.2	79	Cloudy.	
27	1024.0	1023.0	87.1	84.0	91	76	4.9	1.5	8.5	10.8	53	83	—	1	—	0	0	0	—	12.2	71	Fine.	
28	1022.0	1019.3	86.7	83.4	92	82	2.6	1.2	11.2	10.8	71	86	—	1	20	2	10	10	1.6	1.0	77	Cloudy. ☉ from 19 h.	
29	1014.5	1016.2	85.4	84.1	87	84	0.3	0.8	13.9	11.9	97	90	20	2	—	0	10	10	0.6	—	82	☉ a. Overcast.	
30	1020.6	1021.7	84.5	82.9	87	81	2.1	1.7	10.2	9.8	76	81	—	1	—	1	10	1	0.2	—	81	Overcast.	
31	1018.3	1023.3	84.8	80.6	89	81	2.0	1.6	10.5	8.1	77	79	—	1	—	1	10	4	—	4.7	79	Overcast a. Fine p.	
Mean	1018.7	1019.1	84.2	81.4	87.7	79.0	2.4	1.3	9.8	9.3	73	84	1.8	1.6	8.2	5.9	33.9	4.58	77.4				
Mean Barometer at Station Level.	1011.2	1011.6																					

## DUBLIN (PHENIX PARK), a.—MAY 1914.

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

1	1024.4	1025.7	82.8	79.8	84	76	0.9	1.3	10.5	8.1	88	82	12	2	Calmed	0	7	0	10.0	72	Beautiful day.	
2	1024.7	1016.9	80.7	81.4	82	75	1.9	1.6	7.8	8.8	76	79	12	4	12	1	8	5	2.1	71	Dull.	
3	1008.8	1002.0	86.5	85.7	91	81	0.9	0.8	13.5	13.2	87	91	20	2	20	3	10	9	1.5	1.7	Dull. ☉ shower p.	
4	1001.7	998.6	86.3	82.4	89	82	1.5	0.8	12.5	10.5	83	91	20	4	20	2	5	5	7.6	4.5	Cloudy.	
5	997.6	1003.0	85.0	82.1	87	81	1.9	0.3	10.8	11.2	77	96	20	2	24	2	9	8	10.2	6.5	Cloudy. ▲ shower 14 h.	
6	1004.4	995.9	83.4	81.2	85	80	1.4	0.2	10.5	10.5	83	97	24	1	10	2	10	10	4.2	0.1	Dull. ● 16 h.—17 h. 30 m.	
7	995.9	998.3	82.9	79.6	85	79	0.9	0.6	10.5	8.8	88	91	Calmed	0	24	1	10	3	2.3	0.6	Dull, with ● showers.	
8	1000.3	1006.1	79.8	80.6	83	76	0.7	1.4	8.8	8.5	90	82	26	3	28	4	9	10	5.1	2.6	▲ shower a. Dull.	
9	1017.6	1019.3	80.1	79.3	83	76	2.1	1.2	7.4	7.8	73	82	28	3	Calmed	0	7	10	3.1	6.5	Fine.	
10	1011.5	1016.6	84.9	80.3	85	79	0.9	1.3	12.5	8.5	90	82	28	3	Calmed	0	10	8	0.6	1.3	Dull.	
11	1013.2	1018.9	82.4	79.4	85	78	1.4	0.8	9.8	8.5	83	88	24	1	28	1	4	7	1.1	8.3	Fine.	
12	1026.4	1025.7	82.1	77.6	84	76	1.8	0.2	9.1	8.1	78	97	Calmed	0	26	1	7	10	1.5	5.5	Cloudy. ● showers p.	
13	1022.0	1025.7	84.6	84.0	90	77	0.5	0.6	12.5	12.2	93	92	26	2	Calmed	0	10	10	—	3.9	77	Cloudy.
14	1027.7	1026.1	83.4	79.1	88	79	1.3	0.1	10.5	9.1	85	99	Calmed	0	Calmed	0	9	1	—	9.2	79	Beautiful day.
15	1027.1	1026.7	86.8	79.6	88	76	1.3	0.1	13.2	9.5	85	99	Calmed	0	Calmed	0	2	2	—	9.5	74	Beautiful day.
16	1026.7	1027.7	88.5	85.1	94	76	1.7	0.6	14.2	12.9	82	93	Calmed	0	Calmed	2	2	2	—	9.5	74	Beautiful day.
17	1029.1	1029.4	88.7	85.4	93	79	1.3	0.3	15.2	13.5	86	96	24	1	Calmed	0	10	1	—	7.1	75	Fine.
18	1031.1	1029.8	85.7	85.8	92	78	0.8	0.6	13.2	13.5	91	92	24	1	Calmed	0	10	1	—	6.8	76	Fine.
19	1032.5	1030.8	87.7	85.2	90	85	0.9	0.1	14.9	13.9	89	100	30	1	Calmed	0	10	2	—	7.2	75	Dull a., then bright.
20	1027.7	1026.7	89.9	86.0	91	85	1.8	0.5	15.2	13.9	81	95	24	2	Calmed	0	7	7	2.1	0.2	Dull. ☉ showers p.	
21	1024.4	1022.3	89.0	86.6	92	85	1.6	0.3	14.9	14.9	83	96	22	2	24	1	7	10	—	5.9	82	Cloudy.
22	1021.3	1018.3	87.8	83.5	90	82	2.2	0.4	12.9	12.2	76	95	24	1	32	2	5	10	10.9	5.3	80	Cloudy.
23	1017.9	1022.7	82.8	76.7	86	76	1.5	0.6	9.8	7.1	82	92	32	3	Calmed	0	9	0	—	5.4	79	Cloudy.
24	1026.1	1028.8	81.8	76.7	84	72	2.2	0.1	8.1	6.8	73	86	30	2	32	1	3	2	—	7.2	69	Fine.
25	1028.4	1025.7	82.8	77.5	85	77	2.1	0.1	9.1	8.1	75	97	Calmed	0	Calmed	0	2	3	—	8.8	69	Fine.
26	1024.7	1024.7	84.5	77.4	86	75	1.8	0.4	10.8	7.8	79	94	Calmed	0	Calmed	0	10	5	—	3.7	72	Cloudy.
27	1025.0	1023.3	86.8	83.6	89	77	3.5	0.8	10.2	11.5	86	91	Calmed	0	Calmed	0	2	2	—	13.2	69	Beautiful day.
28	1023.7	1021.0	87.0	84.9	92	83	1.4	0.9	13.5	12.2	84	90	24	2	Calmed	0	10	10	1.8	1.9	78	Dull. ● p.
29	1016.6	1016.6	85.0	85.2	87	83	0.0	0.1	13.9	13.9	100	99	22	1	Calmed	0	10	10	1.0	—	81	Overcast.
30	1021.0	1022.3	84.0	84.5	87	82	1.1	0.8	11.5	11.9	87	89	32	1	Calmed	0	10	10	—	—	82	Dull.
31	1019.3	1022.7	86.2	81.3	88	81	0.3	1.1	14.6	9.1	95	86	24	3	Calmed	0	10	10	0.5	3.9	80	Cloudy. ☉ showers noon.
Mean	1019.3	1019.3	84.9	81.8	87.5	78.7	1.4	0.6	11.7	10.5	83	92	1.5	0.7	7.5	6.4	53.5	4.94	76.6			

Mean Barometer at Station Level.

1013.5

1013.4

\* Metres per second.

— denotes the zero.

† Beaufort Scale (0—12).

METEOROLOGICAL OFFICE, LONDON.



## FORT WILLIAM, INVERNESS-SHIRE, a.—JUNE 1914.

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

Day.	Barometer at 273° A. 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.	9 h.		21 h.	9 h.	21 h.	9 h.	21 h.								
	millibar.		200 +	200 +	200 +			millibar.	%	%	†	†	Tenths of Sky covered.		mm.	hr.	200 +			
1	1019.3	1014.9	82.9	84.0	85.5	79.2	2.2	1.0	8.9	11.5	73	87	20	3	Calms	0	10	Dull and cloudy.		
2	1021.0	1023.0	84.2	85.1	92	81	3.2	2.3	8.6	10.4	65	74	4	4	Calms	0	9	Very fine, with bright sunshine.		
3	1024.4	1023.0	88.0	85.0	93	79	3.9	1.5	10.5	11.5	61	82	24	3	28	3	0	Very fine and sunny.		
4	1024.0	1023.0	86.9	83.2	89	82	3.7	2.4	9.8	8.9	62	73	Calms	0	28	3	6	Fine, clear, and sunny.		
5	1017.3	1018.6	85.2	84.4	88	81	1.7	1.4	11.3	11.1	80	83	28	3	24	3	100 <sup>0</sup>	10	2.0	• early: dull, but fair.
6	1016.2	1014.2	85.2	80.8	87	81	1.1	1.2	12.2	8.8	86	85	Calms	0	24	2	9	100 <sup>0</sup>	3.6	Dull, but fair generally.
7	1006.4	1008.1	83.0	80.4	85	78	1.7	1.2	9.6	8.6	79	84	24	4	4	3	100 <sup>0</sup>	6	3.6	• early; sunshine and showers.
8	1015.2	1019.3	82.5	82.5	85	78	2.7	1.1	8.1	10.1	68	86	4	4	4	7	10	6	—	Dull, but fair.
9	1018.9	1022.0	84.9	85.0	91	81	2.5	3.2	9.9	9.1	72	65	4	6	4	6	2	2	—	Fine and sunny.
10	1015.9	1018.6	85.2	83.7	88	80	2.8	1.0	9.8	11.2	69	88	4	7	Calms	0	0	3	—	Mostly cloudy; fine n.
11	1021.3	1021.0	88.0	87.2	97	87	2.3	4.2	12.7	9.4	76	59	Calms	0	Calms	0	3	0	—	Very fine; bright sunshine.
12	1021.0	1022.0	90.4	87.5	93	81	4.7	2.7	11.2	11.7	87	71	4	4	4	5	1	7	—	Fine and sunny generally.
13	1023.3	1023.0	90.8	87.5	98	85	3.4	0.6	13.5	15.2	67	93	4	3	4	3	1	100 <sup>0</sup>	0.5	Fine and sunny; • evening.
14	1022.3	1022.0	90.4	87.9	98	84	2.4	0.8	14.9	15.3	75	92	4	3	Calms	0	3	4	3.3	Fine a; 16 h., then •; fine n.
15	1023.3	1021.7	89.1	90.2	98	84	2.2	2.3	13.9	14.9	77	77	4	2	Calms	0	6	3	—	Very fine and sunny.
16	1020.6	1019.3	92.6	89.9	97	84	3.4	1.8	15.2	15.3	67	80	Calms	0	Calms	0	0	0	—	Very fine and sunny.
17	1021.7	1016.2	91.9	89.1	99	83	2.9	3.9	15.3	11.3	71	62	Calms	0	Calms	0	1	1	1.3	Very fine and sunny. T p.
18	1016.2	1018.3	88.4	86.7	92	85	1.1	1.5	15.2	12.9	88	83	20	2	Calms	0	8	10	—	•, dull and cloudy.
19	1017.9	1012.2	88.6	86.8	92	84	2.7	1.6	12.7	12.9	72	82	20	3	20	1	7	100 <sup>0</sup>	3.6	Generally fine and sunny.
20	1008.4	1008.8	86.9	84.7	90	85	1.1	0.1	13.7	13.5	87	98	20	3	20	1	7	100 <sup>0</sup>	11.4	Overcast, with •.
21	1009.8	1008.4	86.5	85.4	91	83	1.5	1.4	12.7	11.9	83	83	Calms	0	Calms	0	10	10	—	Fair; sunny intervals.
22	1007.1	1009.5	86.8	82.7	89	81	2.7	0.7	11.2	10.9	71	91	20	3	20	1	100 <sup>0</sup>	100	218.3	• a.; fair to fine p.; • n.
23	1012.5	1015.9	85.8	85.2	92	81	1.6	2.2	12.0	10.5	82	74	20	2	28	3	6	8	—	Fine, clear, and sunny.
24	1018.6	1018.9	84.6	83.7	89	81	0.9	0.2	12.1	12.5	88	98	20	3	24	3	10	10	1.5	Dull, with •.
25	1023.0	1027.4	84.7	84.0	88	84	2.4	2.0	9.9	10.0	72	76	24	3	20	2	10	10	—	Fair, with sunny intervals.
26	1027.1	1018.9	86.9	87.0	91	81	2.2	2.2	12.0	12.1	76	76	20	3	20	4	10	8	4.6	Fair, with sunny intervals.
27	1020.3	1024.7	87.4	83.6	89	84	4.3	2.2	9.5	9.3	58	74	24	5	20	3	7	10	1.0	Fair, with sunny intervals.
28	1021.3	1021.0	83.7	86.2	87	82	0.2	0.5	12.4	14.2	98	94	20	4	20	2	100 <sup>0</sup>	100	2.3	Dull and showery. • at times.
29	1022.3	1019.6	87.0	86.9	88	85	0.7	0.4	14.6	14.9	92	95	20	3	20	3	100 <sup>0</sup>	100 <sup>0</sup>	6.6	• all day.
30	1013.9	1015.6	88.0	83.5	88	84	0.4	1.1	16.0	10.9	95	86	20	4	20	2	100 <sup>0</sup>	3	5.1	•; fair after 17 h.
Mean	1018.4	1018.3	86.9	85.3	91.0	82.0	2.3	1.6	12.0	11.7	76	82	2.8	2.0	6.6	7.1	69.2			
Mean Barometer at Station Level.	1016.9	1016.9																		

## DOUGLAS, ISLE OF MAN, a.—JUNE 1914.

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

1	1023.0	1016.6	82.4	83.5	85	79	1.6	0.0	9.5	12.5	79	100	26	3	26	2	10	100	2.3	0.7	n 76	≡ 0° after 16 h.	
2	1019.3	1024.4	84.7	82.4	89	82	1.7	0.5	10.8	10.8	80	93	32	2	28	1	6	30	—	0.6	81	Very fine.	
3	1025.4	1024.0	86.3	81.5	89	80	1.5	0.2	12.5	10.8	82	98	14	1	32	3	8	7	—	8.0	79	∞ a. Fine.	
4	1022.7	1023.0	84.6	81.9	87	81	1.0	1.1	11.9	9.8	87	86	30	6	28	3	8	6	—	10.9	80	Squally. ↗ p.	
5	1019.3	1020.0	83.9	83.0	86	81	0.3	0.0	12.5	12.2	96	100	28	6	28	5	10	10	—	2.1	81	Dull and overcast till 11 h.	
6	1018.6	1017.3	85.6	81.3	87	81	0.9	0.8	12.9	9.8	89	90	28	6	30	2	8	8	—	0.8	82	Cloudy, dull, and squally.	
7	1011.5	1006.1	83.0	79.4	84	n 78	1.9	0.8	9.5	8.5	78	88	26	3	28	2	8	2	—	4.6	9.3	78	• showers; very fine intervals.
8	1011.5	1012.2	82.4	84.1	85	79	2.0	0.9	8.8	11.9	75	89	32	5	2	6	8	8	—	3.8	2.8	77	Squally. • 11 h.-17 h.
9	1011.2	1010.5	84.7	84.1	86	83	1.7	1.5	10.8	10.8	80	82	4	7	4	8	10	8	—	4.3	1.1	81	Dull and showery.
10	1011.2	1018.6	86.4	85.2	88	83	2.3	2.2	11.5	10.5	74	74	8	4	4	1	8	0	—	8.8	82	Cloudy and squally till 11 h.	
11	1020.6	1018.9	88.0	87.1	92	82	1.8	3.5	13.5	10.2	81	63	6	1	2	2	6	3	—	11.2	79	∞ a. Very fine.	
12	1016.6	1019.6	88.0	87.4	90	85	1.6	0.5	13.9	15.2	83	93	4	4	4	2	8	2	—	4.5	84	Fine intervals.	
13	1020.6	1021.7	91.7	88.8	96	87	1.8	1.9	17.3	14.2	81	80	4	2	30	1	2	2	—	12.3	86	∞ a. Exceedingly fine.	
14	1020.6	1021.7	91.9	89.1	95	87	6.7	0.9	9.8	16.3	84.5	90	6	4	8	1	6	2	—	12.8	85	Very fine from 9 h.	
15	1022.7	1021.7	91.0	91.3	95	84	5.0	0.9	11.2	19.0	55	90	12	1	4	2	4	4	—	15.0	81	Exceedingly fine.	
16	1021.0	1020.6	91.9	88.8	94	85	3.5	1.4	14.6	15.2	67	86	6	1	28	1	1	0	—	15.2	83	Exceedingly fine.	
17	1019.6	1017.3	91.9	88.0	95	86	2.8	1.7	15.6	13.9	73	82	12	1	28	1	0	1	—	14.6	84	∞ a. Exceedingly fine.	
18	1016.6	1019.3	89.1	85.8	92	85	0.8	1.1	16.6	12.9	91	87	18	1	30	1	6	2	—	11.9	83	≡ at intervals a.	
19	1020.0	1016.2	87.4	85.2	90	82	1.6	0.3	13.2	13.5	81	95	10	2	16	1	4	8	—	0.3	13.9	81	Very fine. Cloudy from 19 h.
20	1012.5	1009.8	85.8	84.1	86	84	0.4	0.2	13.9	12.9	95	97	16	3	32	1	10	10	—	0.6	—	84	Overcast, with •.
21	1009.8	1011.2	84.7	84.7	89	84	0.8	1.7	12.2	10.8	90	80	28	3	24	1	10	4	—	2.6	83	Dull a.; cloudy afternoon.	
22	1011.2	1012.2	85.4	83.3	87	81	1.3	0.7	12.2	11.1	84	92	20	3	24	1	4	8	—	0.8	9.0	79	Fine; cloudy intervals.
23	1014.5	1018.6	85.0	84.4	88	82	1.5	0.9	11.5	11.9	82	89	26	4	28	1	4	6	—	10.5	81	Squally a. Very fine.	
24	1022.3	1022.0	85.3	87.4	89	80	0.8	0.6	12.9	15.2	90	92	26	2	24	4	10	10	—	2.1	79	Dull and cloudy. • 21 h.	
25	1026.1	1030.8	86.3	81.6	89	82	1.9	0.3	11.9	10.8	78	96	24	5	30	1	4	2	—	9.2	84	Squally a.; cloudy intervals.	
26	1030.1	1025.7	87.3	84.3	90	80	1.0	0.4	14.2	12.5	88	95	12	2	12	1	4	0	—	14.6	78	Very fine.	
27	1023.7	1028.1	86.1	82.7	90	82	0.3	0.8	14.6	10.8	96	99	22	2	30	1	10	4	—	6.6	79	• showers a. Fine afternoon.	
28	1026.1	1025.0	86.1	89.7	90	80	0.3	0.6	14.6	17.6	96	94	22	2	24	2	10	10	—	0.8	77	≡ 8 h. Dull and squally.	
29	1025.4	1023.7	89.7	89.7	94	88	0.6	1.0	17.6	16.6	94	92	26	2	18	2	10	10	—	3.0	86	• showers a.	
30	1018.9	1016.6	89.1	86.1	92	86	1.5	0.0	15.2	14.9	84	100	20	3	26	2	0	2	—	8.5	84	∞ a. Very fine 8h.-16 h.	
Mean	1019.1	1019.1	86.8	85.2	89.7	82.7	1.7	0.9	12.9	12.8	82	89	3.0	2.2	6.6	5.1	23.8	7.83	81.2				
Mean Barometer at Station Level.	1008.6	1008.5																					

↑ Beaufort Scale (0—12).

+ Beaufort Scale (0-12).

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

## SHREWSBURY, SHROPSHIRE.—JUNE 1914.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H<sub>b</sub>=64.7 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.

Day.	Barometer at 273° A. 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 beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.		
		9 h.	21 h.	Max.	Min.	Dep. of Wet.	Vapour Pressure.		Percent-age.	Wind Direction		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	1022.7	1019.3	84.5	83.1	89	80	4.0	1.8	7.8	9.5	60	79	28	3	28	2	5	10	78	Fine, but cold.	
2	1018.3	1023.0	86.3	86.0	90	82	1.4	1.1	12.9	12.9	83	87	2	1	Calm	0	10	100	82	● 7 h. Dull.	
3	1025.4	1023.3	88.6	87.0	95	84	5.4	2.2	9.1	11.9	n52	75	4	1	28	1	0	8	84	Fine all day.	
4	1022.3	1022.7	85.9	84.6	89	80	2.4	1.6	10.8	11.2	73	81	28	2	28	1	10	5	79	Sunny intervals.	
5	1019.6	1018.6	85.0	86.3	88	81	2.6	2.3	9.8	11.5	71	74	28	3	28	4	10	5	80	Dull all day.	
6	1018.6	1016.9	87.0	86.3	92	84	2.9	1.1	11.2	13.2	69	87	28	5	Calm	0	10	8	83	Sunny intervals.	
7	1012.5	1005.4	82.4	79.7	87	80	1.6	1.1	9.5	8.1	79	84	28	3	Calm	0	6	0	79	Cold, with ● showers.	
8	1007.8	1006.8	81.6	82.4	n85	n77	1.9	0.7	8.5	10.5	76	90	32	3	Calm	0	10	100	n76	Dull, with ●.	
9	1005.4	1006.1	83.0	83.1	n85	82	0.4	0.0	11.9	12.2	96	100	32	3	32	1	10	100	82	● till 9 h. Dull and gloomy.	
10	1009.8	1015.9	83.6	84.6	89	82	1.8	1.9	9.8	10.5	79	78	14	1	Calm	0	10	0	82	☾ a. and p.	
11	1018.6	1015.6	88.0	87.7	94	n77	3.5	4.7	10.8	9.1	64	55	4	2	4	2	5	9	77	Fine generally.	
12	1015.6	1017.9	85.8	89.1	93	84	0.8	1.1	13.2	15.9	90	88	32	1	28	1	10	10	85	Dull and overcast.	
13	1018.3	1017.3	90.2	89.1	95	x87	1.1	2.8	17.3	12.9	88	72	32	2	Calm	0	9	4	86	Dull till 11 h., then fine.	
14	1018.6	1018.9	90.8	89.7	97	83	3.9	2.8	12.9	13.5	63	72	4	2	4	1	0	3	81	Very fine.	
15	1021.3	1020.3	90.9	88.9	97	85	4.6	2.6	11.9	13.2	58	74	8	3	Calm	0	0	4	84	Bright and warm.	
16	1021.0	1019.6	85.4	90.8	95	80	1.2	2.1	12.2	15.9	85	78	12	1	Calm	0	10	10	80	Sunny intervals.	
17	1018.9	1016.9	93.0	91.1	99	85	2.8	2.5	16.9	15.2	73	75	20	1	12	1	5	7	84	Very fine a. T 18 h.	
18	1016.9	1018.9	91.9	87.5	99	85	2.8	0.6	15.6	15.2	73	92	Calm	0	32	1	10	5	83	☾ during afternoon.	
19	1020.3	1017.3	89.1	89.7	98	86	2.1	3.4	13.9	12.5	78	67	32	2	Calm	0	10	7	83	Dull.	
20	1013.5	1010.8	82.4	87.4	96	82	3.7	1.3	14.6	13.9	65	84	16	2	16	1	6	9	81	Sunny, with cool breeze.	
21	1009.1	1011.8	85.2	85.2	91	81	0.2	2.2	13.9	10.5	97	74	32	1	8	1	100	9	85	● a. ▲ <sup>2</sup> (very severe) 17 h. 30	
22	1012.5	1013.9	88.6	85.2	92	81	3.4	0.5	11.5	13.2	66	93	24	3	20	1	5	9	80	Sunny intervals a. ● showers p.	
23	1015.2	1019.6	85.8	85.0	90	83	3.4	2.3	9.5	10.5	65	74	24	3	24	1	7	0.5	81	A few ● showers.	
24	1022.7	1024.7	89.7	87.7	94	81	3.8	2.1	11.9	12.9	93	77	28	3	24	2	9	0	81	Cloud and sunshine.	
25	1026.7	1030.1	88.4	84.1	91	84	4.2	1.1	10.5	11.5	60	86	28	2	28	1	7	2	85	Very fine all day.	
26	1030.5	1025.7	88.0	85.8	95	n77	3.4	0.6	11.2	13.5	65	93	32	1	Calm	0	5	3	7	78	Fine all day.
27	1024.7	1027.4	91.3	88.6	96	80	4.4	1.7	12.5	14.2	59	82	20	3	24	2	3	7	81	Fine and bright.	
28	1027.7	1026.1	91.9	89.4	97	80	3.3	3.5	14.6	12.2	68	65	24	2	24	2	3	5	81	Cloud and sunshine.	
29	1026.1	1024.0	93.6	91.9	100	86	3.1	1.6	16.9	18.3	71	84	24	2	Calm	0	8	3	84	Very close and sultry.	
30	1019.6	1015.9	93.6	93.6	x102	85	5.4	2.8	16.6	17.6	56	73	20	2	Calm	0	1	4	83	Bright and hot.	
Mean	1018.7	1018.4	88.2	87.0	93.3	82.1	2.9	1.9	12.3	12.7	72	80	2.1		0.9		6.8	6.3	58.4	81.5	
	1010.9	1010.6																			

Barometer at Mean Sea Level and Standard Gravity. (Latitude 45°.)

Wind Direction in Points (8=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.

200 +

millibar.

200 +

200 +

200 +

millibar.

%

%

†

†

Tenths of Sky covered.

mm.

hr.

200 +

78

Fine, but cold.

82

● 7 h. Dull.

84

Fine all day.

79

Sunny intervals.

80

Dull all day.

83

Sunny intervals.

79

Cold, with ● showers.

n76

Dull, with ●.

82

● till 9 h. Dull and gloomy.

82

☾ a. and p.

77

Fine generally.

85

Dull and overcast.

86

Dull till 11 h., then fine.

81

Very fine.

84

Bright and warm.

80

Sunny intervals.

84

Very fine a. T 18 h.

83

☾ during afternoon.

83

Dull.

81

Sunny, with cool breeze.

[m.

85

● a. ▲<sup>2</sup> (very severe) 17 h. 30

80

Sunny intervals a. ● showers p.

81

A few ● showers.

81

Cloud and sunshine.

85

Very fine all day.

78

Fine all day.

81

Fine and bright.

81

Cloud and sunshine.

84

Very close and sultry.

83

Bright and hot.

CAMBRIDGE 2.—JUNE 1914.



## ARMAGH, a.—JUNE 1914.

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,  $h_r=0.30$  m. Lat.  $54^\circ 21' N$ . Long.  $6^\circ 39' W$ . Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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	1022.7	1016.2	82.8	83.6	85.5	79	1.6	0.1	9.8	12.5	81	99	22	2	—	0	10	100 <sup>0</sup>	2.6	0.1	7.3	Overcast; drizzle from 15		
2	1021.0	1024.4	84.3	83.1	87	80	2.6	1.2	9.5	10.5	71	85	2	2	—	1	10	9	—	2.1	78	Fine.		
3	1025.7	1024.7	85.7	83.0	90	80	2.2	1.1	10.8	10.5	76	86	—	0	—	0	10	4	—	1.7	74	Fine.		
4	1025.4	1026.4	87.2	82.3	90	82	3.1	1.8	10.8	9.1	68	79	—	1	—	1	7	8	—	8.8	80	Fine.		
5	1022.3	1022.0	86.9	85.2	92	78	1.8	1.2	12.5	12.2	79	85	28	2	—	1	9	7	—	4.0	77	Fine.		
6	1020.3	1017.9	85.7	81.8	90	82	1.2	2.5	12.5	7.8	87	70	—	1	—	1	10	9	1.0	1.6	81	Mostly cloudy.		
7	1010.8	1007.1	82.3	79.4	86	78	2.9	0.5	7.8	8.8	66	92	—	1	—	1	9	8	3.5	6.0	76	Showery and cool.		
8	1013.9	1014.5	84.0	84.0	87	77	3.2	2.3	8.5	9.8	65	74	2	2	2	2	4	10	—	7.2	7.3	Very fine till 13 h., then cloud		
9	1014.2	1014.2	86.1	85.9	92	81	2.4	2.7	10.8	10.5	73	71	32	2	2	2	10	8	2.6	5.1	79	Fine.		
10	1011.8	1017.9	83.7	84.0	89	83	0.4	2.5	12.2	9.5	96	72	4	3	—	0	10	0	1.4	5.2	81	● 8 h.-11 h. Very fine		
11	1020.3	1020.0	89.8	85.1	94	83	3.1	1.7	13.2	11.2	69	80	—	1	—	1	0	0	—	12.6	74	Very fine.		
12	1018.9	1020.6	88.4	86.7	90	77	3.3	1.5	11.5	12.9	67	83	—	1	—	0	10	10	—	1.4	75	Overcast.		
13	1021.7	1022.3	91.0	85.8	95	79	2.8	0.7	14.9	13.5	73	92	—	1	—	1	9	0	—	4.6	82	Fine.		
14	1021.7	1021.3	88.6	87.4	96	84	1.3	1.1	14.9	14.2	86	86	—	1	—	1	4	9	—	10.7	80	Fine.		
15	1022.3	1021.0	91.8	91.2	97	84	4.0	4.4	13.5	12.2	64	59	—	1	—	1	2	8	—	12.7	84	Fine.		
16	1020.3	1019.3	93.2	89.6	97	84	3.6	2.6	15.6	13.9	67	74	—	1	—	0	0	2	—	11.4	80	Fine and very warm.		
17	1017.6	1015.9	94.5	88.0	99	84	5.9	0.3	13.2	16.3	51	97	—	0	—	1	0	9	—	11.7	80	Fine till 17 h. $\frac{1}{2}$ 19 h.		
18	1016.9	1019.6	87.4	86.1	91	86	1.1	1.0	14.2	13.2	87	88	—	0	4	2	10	9	4.1	0.7	84	Mostly cloudy.		
19	1017.6	1012.5	89.1	88.5	92	83	2.7	1.7	13.2	14.2	73	82	18	2	18	2	8	10	—	2.1	4.7	Overcast from 10 h.		
20	1007.1	1009.8	86.8	84.7	89	85	0.6	0.2	14.6	13.2	94	98	16	5	—	1	10	10	2.37	—	85	● most of day.		
21	1010.8	1010.1	86.9	84.7	91	79	2.9	1.7	10.8	10.8	69	80	—	1	—	0	8	10	0.6	9.0	78	Fine.		
22	1008.8	1012.5	84.9	82.8	89	81	1.3	1.8	11.5	9.5	84	78	18	2	—	1	10	10	1.5	3.8	81	Mostly cloudy.		
23	1014.9	1019.3	85.6	82.5	89	81	2.2	1.1	10.8	10.2	76	86	—	1	—	0	9	5	—	2.2	80	Fine.		
24	1022.0	1022.3	86.4	86.3	92	81	1.6	1.1	12.5	13.2	81	87	—	0	20	2	10	5	0.5	1.0	78	Overcast.		
25	1027.7	1030.5	88.3	84.7	91	84	2.6	1.6	10.8	11.2	71	81	—	1	—	0	8	3	—	3.0	84	Very fine.		
26	1028.8	1022.0	88.7	88.0	94	81	2.9	2.8	12.5	11.9	70	71	—	1	—	1	8	9	0.2	13.2	80	Very fine.		
27	1023.3	1027.4	88.5	84.1	92	84	2.2	3.2	13.5	8.5	77	65	—	1	—	1	9	0	—	9.1	82	Very fine.		
28	1025.0	1025.0	88.8	90.1	92	81	2.3	1.0	13.5	17.3	76	90	20	3	22	2	10	10	—	—	77	Overcast.		
29	1024.7	1021.7	89.7	90.7	95	87	1.0	1.2	16.6	17.6	89	88	20	2	—	1	10	1	—	2.3	87	Very fine.		
30	1016.2	1016.6	90.3	86.4	94	86	1.7	0.1	15.9	15.2	81	99	20	3	—	0	10	100 <sup>0</sup>	10.6	2.1	87	Fine till 17 h., then ●.		
Mean	1019.1	1019.1	87.5	85.5	91.5	81.9	2.4	1.6	12.4	12.1	76	83	1.5	0.9	7.8	6.8	54.4	5.27	79.7					
Mean Barometer at Station Level.	1011.7	1011.7																						

## DUBLIN (PHENIX PARK), a.—JUNE 1914.

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,  $h_r=0.30$  m. Lat.  $53^\circ 22' N$ . Long.  $6^\circ 21' W$ . Time, Dublin mean time.

1	1024.0	1016.9	83.9	84.4	n86	76	1.4	0.1	10.8	13.2	84	99	24	1	24	2	10	10	3.1	0.4	n72	● showers.	
2	1020.3	1024.0	84.3	81.8	88	82	1.2	0.5	11.5	10.5	85	93	32	1	Calmed	0	10	100	—	1.9	82	Bright intervals.	
3	1025.4	1024.4	86.8	85.1	89	81	2.2	1.6	11.9	11.5	75	80	Calmed	0	Calmed	0	10	10	—	1.9	80	Bright a.	
4	1024.7	1025.7	86.0	82.6	91	79	1.4	1.3	12.5	9.8	84	83	30	1	24	1	10	3	—	7.9	75	Bright p.	
5	1023.0	1022.7	85.1	85.2	91	80	1.0	0.6	12.2	12.9	87	92	30	3	26	1	10	8	—	4.4	76	Cloudy; bright intervals.	
6	1021.3	1019.3	86.3	81.7	88	81	1.2	1.5	13.2	9.1	86	81	26	2	26	1	10	8	—	0.6	83	Dull.	
7	1013.2	1007.1	82.3	78.5	n86	78	1.4	0.6	9.5	8.5	82	93	26	1	28	1	10	8	2.0	9.4	77	● showers a. and p.	
8	1012.5	1012.2	82.9	83.9	n86	77	1.6	0.9	9.8	11.5	80	89	32	2	4	2	7	10	3.6	6.6	75	Bright till 14 h. ● showers a.	
9	1012.2	1011.5	84.7	85.2	87	84	1.5	1.2	11.2	11.9	82	84	2	3	2	3	10	7.6	—	81	81	● at intervals a. and p.	
10	1009.1	1017.6	83.5	79.3	87	79	0.6	0.3	11.9	9.1	93	95	4	5	Calmed	0	10	00	—	5.1	82	● 5 h.-8 h. 30 m. Bright p.	
11	1020.0	1018.6	89.0	82.8	91	n75	2.6	1.0	13.2	10.5	74	88	6	1	Calmed	0	2	1	—	12.4	n72	Beautiful day.	
12	1018.3	1019.6	86.7	87.3	89	81	1.9	1.0	12.2	14.2	78	87	Calmed	0	Calmed	0	10	10	—	—	76	Dull; cloudy n.	
13	1021.0	1020.6	88.1	88.3	92	86	1.1	0.9	14.9	15.6	88	90	Calmed	0	2	1	10	0	—	3.2	85	Dull a. Bright p.	
14	1021.0	1020.3	91.6	86.0	94	80	2.8	1.0	15.2	13.2	72	89	6	1	Calmed	0	1	0	—	12.4	77	Beautiful day.	
15	1022.0	1021.3	90.0	82.5	94	79	3.7	0.6	12.5	10.8	65	92	6	2	Calmed	0	0	2	—	14.4	75	Beautiful day.	
16	1020.3	1020.3	92.7	85.0	94	81	3.0	0.9	16.3	12.2	70	89	6	1	Calmed	0	0	0	—	11.6	79	Beautiful day.	
17	1018.9	1016.6	93.8	87.8	96	79	3.6	1.0	16.3	14.9	67	89	Calmed	0	Calmed	0	0	2	0.1	10.6	77	Beautiful day. T 18 h.	
18	1017.3	1019.3	86.8	83.7	92	84	0.7	0.3	14.2	12.2	92	96	24	1	Calmed	0	10	1	—	2.8	82	Cloudy a.; bright intervals.	
19	1018.9	1014.5	88.2	87.9	94	82	1.3	2.0	14.6	13.2	86	78	10	2	22	2	9	10≡	0.5	4.8	77	Cloudy; bright intervals.	
20	1008.8	1010.1	87.6	84.6	89	85	1.4	0.7	13.9	12.2	83	91	20	3	Calmed	0	100	4●	21.9	—	85	● a. and 16 h.	
21	1011.5	1011.2	87.8	85.3	91	81	3.7	2.2	10.5	10.5	n64	74	26	2	20	3	8	10	—	9.7	80	Beautiful day.	
22	1010.5	1013.5	86.2	84.0	90	78	1.9	2.2	11.9	9.8	78	75	20	2	Calmed	0	10	4	—	6.5	75	Bright; cloudy intervals.	
23	1016.2	1019.3	86.8	81.4	90	81	3.0	0.7	10.5	9.8	68	91	22	2	Calmed	0	9	2	—	8.0	79	Bright; cloudy intervals.	
24	1022.7	1023.7	87.1	88.4	95	79	2.2	1.2	12.2	15.2	76	88	24	1	24	4	10	10	—	5.6	76	Bright; cloudy intervals.	
25	1028.1	1030.1	87.0	83.5	92	82	2.5	1.2	11.5	10.8	72	86	26	2	Calmed	0	10	2	—	7.5	81	Bright; cloudy intervals.	
26	1029.4	1024.4	88.9	87.2	95	79	3.3	2.2	12.2	12.2	68	77	4	1	20	1	6	3	—	13.1	76	Beautiful day.	
27	1024.0	1027.4	88.4	85.1	94	82	1.6	1.0	14.6	12.2	83	88	24	2	2	1	10	2	—	7.0	77	Dull a.; bright p.	
28	1027.1	1025.7	89.8	90.9	96	79	3.0	1.7	13.2	16.9	71	82	24	3	24	1	3	5	—	7.8	76	Bright; cloudy intervals.	
29	1026.1	1023.0	91.1	92.2	97	x88	1.5	1.5	17.3	18.6	85	85	22	1	Calmed	0	10	7	—	4.8	87	Cloudy; bright intervals.	
30	1018.3	1016.2	94.0	90.6	97	85	3.8	1.5	15.9	16.9	66	84	24	2	Calmed	0	3	10	—	13.4	82	Beautiful day.	
Mean	1019.5	1019.2	87.5	85.1	91.4	80.7	2.1	1.1	12.9	12.3	78	87	1.6	0.8	7.6			5.5	28.8	6.47	78.6		
Mean Barometer at Station Level.	1013.6	1013.3																					

\* Metres per second.

† Beaufort Scale (0—12).

METEOROLOGICAL OFFICE, LONDON.

\* Metres per second.

† Beaufort Scale (0-12).

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

METEOROLOGICAL OFFICE, LONDON.  
August 28th, 1914.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

## DEERNESS, ORKNEY, a.b.—JULY 1914.

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,  $h_r=0.30$  m. Lat.  $58^\circ 56' N$ . Long.  $2^\circ 45' W$ . Time, Greenwich mean time.

Day.	Barometer at 273° A. Mean Sea Level and Standard Gravity. (Latitude $45^\circ$ .)		Air Temperature in Degrees Absolute.				Humidity.				Wind Direction in Points (8=E, 16=S) and Force (0-
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## FORT WILLIAM, INVERNESS-SHIRE, a.—JULY 1914.

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

Day.	Barometer at 273° A. 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 beginning 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.										
1	1015.6	1005.1	86.4	88.0	92	79	2.8	1.7	10.7	13.6	70	81	Cal	0	16	2	5	100	mm.	hr.	200+	Fine a. Dull, showery later. Dull, ☉ = ☉. = at 21 h. Dull early, sunny later. Fine, warm, and sunny. Dull. ☉ p. Dull, with ☉, = ☉, and ☉. Showery early. Sunny p. Day fine. ☉ evening. ☉ 9 h.; fair generally. Very fine and sunny.	
2	1000.0	1005.1	86.9	84.7	89	84	0.6	0.6	14.7	12.6	93	93	20	3	20	1	100	100	2.5				
3	1009.8	1017.3	86.8	83.4	90	82	2.0	1.8	12.2	9.8	77	79	20	1	20	1	100	100	0.8				
4	1016.2	1010.5	88.3	89.6	94	87	4.7	4.8	9.6	10.3	55	55	Cal	0	16	3	8	1	0.5				
5	1008.1	1007.1	89.7	87.5	92	86	3.4	0.6	12.4	15.2	66	93	16	2	Cal	0	9	100	1				
6	1003.4	1002.4	88.0	85.4	89	85	1.3	0.5	14.4	13.3	86	94	Cal	0	20	2	100	100	1.3				
7	1007.1	1011.8	85.1	86.2	91	84	0.4	1.3	13.3	12.8	95	84	20	3	Cal	0	100	100	6.4				
8	1013.5	1014.5	89.0	88.0	96	82	2.7	1.1	13.1	14.8	73	88	Cal	0	Cal	0	8	100	0.8				
9	1018.3	1022.3	86.4	85.2	89	85	0.1	1.1	15.1	12.2	98	86	20	2	Cal	0	100	100	1.5				
10	1024.0	1021.7	91.2	92.4	99	81	3.4	4.4	13.8	13.5	67	61	Cal	0	16	4	0	0	—				
11	1020.0	1017.6	92.7	90.8	96	85	3.5	2.8	15.3	14.6	67	72	Cal	0	Cal	0	7	5	—				
12	1016.6	1016.6	93.2	89.1	96	87	2.9	0.6	16.8	17.0	71	94	Cal	0	Cal	0	8	100	2.5				
13	1016.6	1014.9	91.4	88.6	96	84	2.8	1.8	15.1	14.1	73	81	20	3	20	3	4	8	5.8				
14	1011.5	1009.5	89.1	88.6	96	87	1.5	2.3	15.2	13.3	84	76	4	2	24	4	100	6	1.8				
15	1006.4	1011.8	90.7	86.9	92	87	2.8	0.9	14.4	14.0	72	89	Cal	0	Cal	0	8	8	10				
16	1011.2	1011.5	89.2	88.4	90	84	1.8	1.4	14.7	14.5	80	84	Cal	0	24	3	10	10	1.8				
17	1013.2	1013.2	89.1	87.5	92	87	0.7	0.8	16.8	14.9	93	91	4	1	20	2	10	10	0.2				
18	1009.8	1008.4	88.6	86.4	90	85	1.8	1.1	14.1	13.2	81	87	20	1	20	2	10	10	—				
19	1007.4	1007.1	86.9	88.6	94	84	1.1	0.9	13.7	15.8	87	90	Cal	0	Cal	0	9	10	1.3				
20	1008.4	1008.4	93.9	94.6	100	86	3.6	3.8	16.3	16.8	66	66	Cal	0	Cal	0	0	10	2.0				
21	1009.5	1009.5	92.5	87.0	97	87	2.3	2.4	17.4	11.6	78	73	Cal	0	28	4	10	10	—				
22	1007.1	1006.4	85.5	85.3	89	83	1.9	2.4	11.1	10.4	77	73	20	1	24	3	10	10	0.8				
23	999.6	999.3	85.2	85.1	89	83	1.1	1.8	12.2	11.0	86	79	20	3	28	3	10	90	0.8				
24	999.3	997.3	83.8	81.9	86	82	1.3	1.4	10.8	9.2	84	83	24	4	28	5	100	100	2.3				
25	996.6	999.0	83.6	83.5	84	81	2.2	2.1	9.3	9.4	74	75	24	4	24	4	100	100	5.3				
26	999.6	999.6	84.7	83.6	89	83	2.1	1.1	10.3	10.9	75	86	28	4	Cal	0	10	10	0.2				
27	1003.7	1005.7	86.7	87.1	91	79	2.6	1.9	11.2	12.6	71	79	Cal	0	4	1	10	10	—				
28	1009.1	1011.8	88.0	86.4	91	83	2.8	1.6	12.0	12.5	71	82	4	1	4	3	9	8	—				
29	1015.2	1016.9	86.5	84.4	90	83	2.9	2.1	10.6	10.2	69	76	4	4	4	3	8	1	—				
30	1017.3	1015.6	86.4	84.1	92	78	2.8	1.1	10.7	11.4	70	87	Cal	0	Cal	0	10	0	—				
31	1012.2	1008.8	86.6	85.2	92	80	1.3	0.6	13.1	13.2	85	93	Cal	0	20	2	10	10	—				
Mean	1009.9	1009.9	88.1	86.9	92.0	83.3	2.2	1.7	13.2	12.9	77	82	1.3	1.8	8.3	7.5	45.7						
Mean Barometer at Station Level.	1008.5	1008.5																					

## DOUGLAS, ISLE OF MAN, a.—JULY 1914.

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

		Long. 4 28' W. Time, Local mean time.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS.

## ARMAGH, a.—JULY 1914.

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,  $h_r = 0.30$  m. Lat.  $54^\circ 21' N$ . Long.  $6^\circ 39' W$ . Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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.												
millibar.		200 +	200 +	200 +	200 +	millibar.		%	%	Tenths of Sky covered.		mm.	hr.									
1	1013.2	1003.4	83.9	86.3	90	82	0.3	1.0	12.5	13.5	96	89	—	1	—	1	10	0.6	84	Mostly cloudy.		
2	1001.7	1005.7	85.7	85.7	91	85	0.7	1.1	13.5	12.5	92	88	—	0	—	0	10	9	2.0	84	Fine.	
3	1012.5	1017.3	87.3	85.7	91	80	3.4	2.2	10.5	10.5	86	76	—	1	—	1	10	9	2.3	84	Fine.	
4	1011.8	1006.4	86.7	86.4	88	82	2.2	0.1	11.9	14.9	75	98	14	8	14	5	10	10	13.0	79	Fine.	
5	1005.7	1006.1	86.3	86.9	92	84	1.6	1.7	12.5	12.9	81	81	—	0	—	1	10	4.7	0.7	80	Most of day.	
6	1004.4	1005.1	89.1	87.5	94	82	3.2	1.2	12.2	14.2	68	85	—	0	—	1	9	8	9.2	84	Fine.	
7	1009.1	1010.5	87.9	87.7	93	82	2.0	3.0	13.2	11.5	78	68	—	1	—	0	8	—	12.2	80	Fine.	
8	1010.5	1014.9	88.7	88.3	94	86	1.1	0.3	15.6	16.6	89	97	12	3	16	3	8	9	4.1	6.1	80	Fine.
9	1020.3	1021.7	88.9	88.1	94	86	1.8	1.8	14.6	13.5	81	80	—	0	—	1	10	10	12.4	0.2	85	Overcast; showers.
10	1022.3	1018.9	89.7	89.2	94	87	1.9	1.4	15.2	15.6	81	85	12	3	—	1	10	9	4.1	0.1	84	Fine.
																		0	—	7.8	81	Very fine.
11	1016.9	1015.2	91.7	90.3	95	87	1.9	1.3	17.3	16.9	80	85	12	2	14	2	10	3	—	6.1	85	Very fine.
12	1016.2	1016.2	91.8	89.7	95	86	2.8	1.6	15.6	15.6	73	83	16	2	—	1	10	1	—	6.6	86	Very fine.
13	1015.9	1013.2	89.5	88.7	94	87	1.7	1.2	15.2	15.6	82	88	14	3	14	3	10	10	8.9	3.9	85	Very fine till 17 h., then
14	1008.8	1007.8	90.0	87.0	93	87	2.5	1.0	14.6	13.9	75	88	18	2	16	4	5	10	4.4	0.3	87	Showery.
15	1010.5	1013.5	88.7	84.8	92	83	1.7	0.3	14.6	13.2	82	97	—	1	—	0	7	3	2.5	4.1	81	Fine. 15 h.
16	1014.2	1014.2	88.4	88.1	92	85	2.0	1.0	13.9	14.9	79	89	—	0	—	0	10	10	0.5	4.0	81	Very fine.
17	1015.9	1014.9	88.1	87.4	91	86	1.3	1.1	14.6	14.2	86	88	—	0	—	1	10	10	3.2	—	86	Overcast.
18	1011.2	1008.8	89.5	87.3	93	86	2.2	0.5	14.2	15.2	78	94	22	2	—	1	10	10	0.4	2.2	86	showers.
19	1004.4	1003.7	89.7	88.5	92	84	1.8	1.0	15.2	15.6	81	90	—	1	4	2	9	10	0.2	2.9	82	Fine.
20	1005.1	1007.1	93.9	92.2	97	86	3.4	1.3	16.9	19.0	69	86	4	2	—	1	2	3	—	11.0	83	Fine.
21	1010.1	1011.8	93.0	87.7	97	87	1.1	0.9	20.7	14.9	88	89	—	0	—	1	10	10	—	3.7	84	early. Fine.
22	1010.8	1009.8	87.1	85.1	89	85	3.0	1.2	10.8	11.9	99	85	—	1	—	1	10	9	0.4	1.2	82	Fine, but cold.
23	1004.4	1005.7	85.1	84.1	90	83	0.0	0.6	13.9	12.2	99	92	20	2	—	1	100	3	3.9	0.8	81	Showery.
24	1005.7	1004.0	85.7	84.1	89	83	1.5	0.5	11.9	12.2	83	93	—	1	—	1	10	10	0.3	2.5	80	Fine, but cold.
25	1004.7	1005.4	86.0	82.3	89	82	3.0	1.6	10.2	9.5	68	80	28	3	—	1	7	4	2.4	6.7	80	Sunshine and showers.
26	1004.4	1003.4	86.2	81.9	89	80	1.6	0.4	12.2	10.8	81	96	—	1	—	1	10	10	1.9	1.8	79	Showery.
27	1004.7	1007.4	86.2	83.8	90	82	1.7	0.8	12.2	11.5	81	91	—	1	—	0	9	9	0.4	2.6	81	Fine.
28	1008.8	1011.8	86.8	86.7	92	84	1.7	1.0	12.9	13.5	81	88	—	0	—	0	10	0	—	2.3	82	Fine.
29	1015.6	1017.3	86.8	83.5	91	80	1.5	0.5	12.9	11.9	83	94	—	0	—	0	10	0	—	2.0	77	Fine, but mostly cloudy.
30	1016.9	1013.5	88.5	86.9	94	84	2.8	1.2	12.5	13.5	72	86	—	0	14	4	10	2	—	6.2	80	Very fine.
31	1009.8	1006.4	87.8	86.9	89	85	1.5	0.6	13.9	14.6	83	93	14	5	14	3	10	10	3.1	—	84	9 h.-14 h.
Mean	1010.6	1010.3	88.2	86.7	92.0	84.2	1.9	1.1	13.7	13.7	80	88	1.5	1.3	8.7	7.1	54.3	4.35	82.4			
Mean Barometer at Station Level.	1003.2	1003.0																				

## DUBLIN (PHENIX PARK), a.—JULY 1914.

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,  $h_r = 0.30$  m. Lat.  $53^\circ 22' N$ . Long.  $6^\circ 21' W$ . Time, Dublin mean time.

1	1012.5	1004.0	86.8	86.1	91	85	0.9	0.4	13.9	14.2	89	96	†	†																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</
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\* Metres per second.

† Beaufort Scale (0–12).

x denotes the maximum and n the minimum value in the



## FORT WILLIAM, INVERNESS-SHIRE, a.—AUGUST 1914.

Heights above Mean Sea Level:—Station, H=52.1 m.; Barometer, H<sub>0</sub>=11.6 m. Heights above Ground:—Therms., h<sub>1</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 56° 49' N. Long. 5° 7' W. Time, Greenwich mean time.

Day.	Barometer at 273° A. 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 beginning 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	1005.1	1002.4	88.4	88.2	93	85	1.1	1.3	15.2	14.7	88	86	Calms	0	10	10	1.3	Fine, sunny; evening dull.		
2	998.3	997.6	87.5	85.8	88	85	0.6	0.4	15.2	13.8	93	94	Calms	0	20	10	1.3	Dull and showery.		
3	997.3	995.6	85.7	83.7	89	83	0.4	0.7	13.7	11.7	94	92	Calms	0	20	10	1.3	Dull and showery.		
4	997.6	1000.3	84.1	84.6	86	83	0.6	0.4	12.2	12.8	93	95	20	4	20	10	1.3	Dull and showery.		
5	1001.7	1002.0	85.2	84.1	87	84	0.5	0.4	13.2	12.4	94	94	20	4	20	10	1.3	Dull and showery.		
6	1001.0	1003.4	85.1	83.6	87	83	0.4	0.6	13.2	11.8	94	93	20	2	20	10	1.3	Dull and showery.		
7	1007.1	1011.8	86.6	84.7	91	83	0.9	1.1	13.7	11.7	89	86	20	2	20	10	1.3	Dull and showery.		
8	1002.0	1000.7	85.2	86.4	88	82	1.1	0.3	12.2	14.6	87	96	Calms	0	20	3	9.0	Generally fine and sunny.		
9	1005.1	1007.1	86.5	85.2	91	83	1.4	0.4	13.0	13.4	84	95	20	4	20	10	1.3	Dull and showery.		
10	1011.2	1015.9	84.8	84.7	89	83	0.3	1.0	13.2	12.0	97	87	20	6	20	4	10	Unsettled and showery.		
11	1019.6	1025.7	85.6	85.8	91	84	0.9	0.6	13.0	13.6	90	93	24	4	20	3	10	Unsettled and showery.		
12	1027.1	1025.0	88.6	86.2	96	84	2.1	1.1	13.5	13.3	77	87	Calms	0	Calms	0	10	Generally fair to fine.		
13	1023.3	1019.6	90.2	92.5	98	82	2.7	3.2	14.1	15.7	73	70	Calms	0	Calms	0	7	Fine, clear, and sunny.		
14	1018.6	1016.6	92.0	91.6	98	82	2.6	2.5	16.2	15.9	75	75	Calms	0	Calms	0	7	Fine, clear, and sunny.		
15	1016.9	1019.3	90.2	84.8	94	85	2.2	1.2	15.0	11.6	77	85	Calms	0	4	5	6	Sunny; ∞ at times.		
16	1021.0	1020.0	87.0	85.9	94	88	2.9	1.6	11.0	12.1	69	82	Calms	0	4	2	0	Very fine and sunny.		
17	1022.0	1021.7	86.9	86.7	96	80	2.3	2.1	11.7	12.1	74	77	4	2	Calms	0	1	Very fine and sunny.		
18	1022.7	1021.3	87.7	88.0	96	81	1.9	1.7	13.2	13.7	79	82	16	1	8	2	0	Very fine and sunny.		
19	1021.0	1020.0	87.3	88.0	94	84	1.5	1.1	13.4	14.8	83	88	4	1	Calms	0	5	Very fine and sunny.		
20	1018.9	1017.3	88.0	86.1	91	85	1.1	0.4	14.8	14.2	88	95	Calms	0	Calms	0	10	Sultry and hazy.		
21	1016.6	1015.6	87.6	86.6	94	83	1.2	0.3	14.2	14.8	86	97	Calms	0	Calms	0	10	Dull, with ∞.		
22	1015.2	1009.8	87.6	88.1	94	85	0.7	2.2	15.2	13.1	92	77	20	3	20	2	10	Generally fine.		
23	1005.4	1007.1	88.6	89.7	94	86	0.1	1.2	17.3	16.3	99	87	20	2	Calms	0	10	• early. Dull and showery.		
24	1007.1	1012.2	86.4	85.8	94	86	0.4	0.6	14.4	13.6	94	93	20	3	Calms	0	10	• early; fine and sunny p.		
25	1012.5	1005.1	90.2	89.1	95	84	2.8	3.9	14.0	11.3	72	62	20	2	Calms	0	6	Fine, clear, and sunny.		
26	1000.0	1006.4	87.1	85.4	90	85	0.8	0.7	14.5	13.1	91	92	20	2	20	3	4	• early; generally fine.		
27	1014.9	1018.9	87.0	84.1	92	81	1.2	1.1	13.6	11.4	86	86	20	1	Calms	0	10	Dull and cloudy.		
28	1020.3	1023.3	85.8	86.4	89	84	0.4	0.6	13.8	14.2	94	93	20	3	Calms	0	10	Fine generally.		
29	1025.7	1025.4	87.1	84.6	91	83	1.3	2.0	13.5	10.4	85	76	20	1	Calms	0	2	Fine.		
30	1025.7	1027.1	87.6	85.2	93	81	2.3	1.7	12.3	11.3	75	80	4	2	12	2	4	Fine, warm, and sunny.		
31	1028.8	1027.7	86.4	84.7	93	80	2.2	1.7	11.5	10.9	75	80	Calms	0	Calms	0	1	Very fine, clear, and sunny.		
Mean	1013.2	1013.6	87.2	86.3	92.2	83.3	1.3	1.2	13.7	13.1	85	86	1.6	1.6	7.6	6.8	177.6			
Mean Barometer at Station Level.	1011.8	1012.2																		

## DOUGLAS, ISLE OF MAN, a.—AUGUST 1914.

Heights above Mean Sea Level:—Station, H=84.5 m.; Barometer, H<sub>0</sub>=86.6 m. Heights above Ground:—Therms., h<sub>1</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.

1	1005.7	1003.7	86.9	86.8	n 89	85	0.0	0.2	15.9	15.2	100	98	14	†	†	10	10	10.4	1.3	85	Dull and cloudy. • from 21 h.	
2	999.3	1001.7	86.5	86.6	91	86	0.1	0.8	15.2	13.9	98	90	22	2	10	1	10	0.3	5.7	86	Dull a. Fine afternoon.	
3	1003.7	1004.0	87.4	85.2	90	85	1.2	0.6	14.2	12.9	86	92	22	5	24	1	8	0.3	5.7	86	Squally, with • showers.	
4	1004.4	1005.7	87.0	85.1	90	84	2.4	0.4	11.9	13.2	74	95	28	2	26	1	6	—	5.9	83	Very fine at intervals.	
5	1004.7	1005.7	86.3	85.3	90	84	1.1	0.4	13.2	13.5	87	95	22	2	22	1	10	0.5	3.3	82	Cloudy.	
6	1005.1	1008.1	85.6	85.8	91	84	0.5	1.4	13.5	12.2	95	84	18	3	24	1	10	1.8	3.6	83	• before 13 h., then fine.	
7	1011.2	1014.9	87.3	85.8	n 89	90	2.0	0.2	12.9	14.2	78	97	24	3	20	3	8	15.0	10.7	82	Fine; squally afternoon.	
8	1006.8	1005.4	86.3	88.0	90	85	0.0	0.0	15.2	16.9	100	100	16	5	20	6	10	9.0	—	83	Overcast and squally.	
9	1010.5	1013.2	87.4	87.0	90	86	1.9	1.2	12.9	13.5	79	86	22	4	22	3	8	—	10.0	86	Fine.	
10	1016.9	1021.3	88.2	85.8	90	85	2.0	0.0	13.2	14.6	76	100	20	5	20	2	8	1.3	12.1	83	Fine. Squally intervals.	
11	1025.0	1028.4	87.2	85.6	92	85	1.1	0.9	13.9	12.9	86	89	22	8	3	26	1	—	9.6	83	Very fine after 9 h.	
12	1028.1	1023.7	88.8	90.2	94	84	1.4	2.8	15.2	13.9	86	72	2	2	4	2	4	—	13.2	81	• a. Very fine.	
13	1022.7	1016.2	90.2	93.0	95	87	1.8	0.0	15.6	23.0	80	100	6	4	10	3	8	—	8.4	86	Fine; cloudy and squally intervals.	
14	1017.9	1014.5	90.7	91.9	96	88	1.9	2.0	15.9	17.3	80	80	8	3	8	1	4	—	10.4	87	Very fine.	
15	1014.9	1017.9	89.8	89.3	93	89	0.9	1.2	16.9	15.9	90	87	8	3	8	2	4	—	9.7	87	Very fine.	
16	1021.0	1020.3	89.1	85.8	91	85	2.0	1.7	14.2	11.9	79	81	10	2	4	1	2	—	12.7	84	Very fine.	
17	1022.0	1022.3	88.3	85.2	91	85	1.3	1.8	14.9	10.8	86	78	10	2	28	1	8	—	11.7	83	Very fine.	
18	1022.7	1022.0	90.9	86.7	93	82	3.5	2.1	13.5	11.9	86	76	12	2	28	1	0	—	12.8	n 80	Very fine. Cloudy about 18 h.	
19	1021.3	1020.3	88.0	86.9	91	85	0.8	1.8	15.2	12.5	91	80	10	2	6	1	10	—	8.3	84	Overcast a.; cloudy afternoon.	
20	1019.6	1018.9	89.3	87.4	94	85	1.2	0.5	15.9	15.2	87	93	8	2	30	1	0	—	8.8	83	Very fine.	
21	1017.9	1017.9	87.9	86.9	91	86	0.7	1.1	15.6	13.9	93	87	20	3	26	1	10	0.3	5.6	84	• 10 h.-12 h., then fine.	
22	1017.6	1013.5	88.0	86.9	90	84	0.6	0.0	15.9	15.9	94	100	20	5	16	3	10	10	5.3	1.4	82	• 16 h.-20 h.
23	1011.8	1012.8	88.9	88.2	91	87	0.0	0.0	17.9	17.3	100	100	20	2	16	4	10	10	1.9	2.7	86	• before 11 h.
24	1011.2	1015.2	87.4	86.8	92	86	0.1	0.4	16.3	14.9	99	95	18	4	24	1	10	0.5	4.5	87	• showers before 11 h. Fine p.	
25	1014.9	1007.8	88.8	88.0	91	85	0.9	1.1	16.3	14.9	91	88	12	1	14	3	2	10	23.1	11.0	82	Very fine till 19 h. • from 23 h.
26	1002.4	1007.1	88.0	86.4	92	86	1.1	0.6	14.9	14.2	88	92	24	2	24	1	8	4	7.0	86	• early a. Fine from 11 h.	
27	1016.2	1022.0	87.4	85.2	91	85	1.4	0.6	13.5	12.9	83	92	28	2	28	1	10	0.1	—	87	Cloudy a. Fine afternoon.	
28	1024.0	1025.4	88.6	88.0	n 89	85	1.3	0.0	15.2	16.9	87	100	16	3	22	2	8	10	2.8	2.0	82	• 16 h. and after 20 h.
29	1026.1	1026.4	88.2	85.8	91	86	0.8	0.8	15.6	13.2	92	90	28	2	30	1	10	10	16.3	1.7	86	Dull and cloudy.
30	1024.7	1026.4	85.8	86.9	90	84	0.4	1.6	13.9	12.9	95	82	4	2	30	2	10	10	—	1.2	84	Dull and cloudy.
31	1027.7	1028.8	88.6	86.9	92	84	1.7	0.6	14.2	14.6	82	93	28	1	Calm	0	8	10	—	9.6	82	Very fine.
Mean	1015.4	1015.9	88.0	87.1	91.2	85.2	1.2	0.9	14.8	14.4	87	90	2.7	1.8	7.5	5.4	98.8	6.94	83.8			
Mean Barometer at Station Level.	1005.0	1005.4																				

† Beaufort Scale (0-12).

† Beaufort Scale (0-12).

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

## SHREWSBURY, SHROPSHIRE.—AUGUST 1914.

Heights above Mean Sea Level:—Station, H=57.9 m.; Barometer, H<sub>0</sub>=64.7 m. Heights above Ground:—Therms., h<sub>1</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 52° 43' N. Long. 2° 45' W. Time, Local mean time.



## ARMAGH, a.—AUGUST 1914.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H<sub>b</sub>=61.6 m. Heights above Ground:—Therms., h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 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.												
	millibar.		200 +	200 +	200 +	200 +	millibar.				%	%	Tenths of Sky covered.		mm.	hr.						
1	1003.7	1001.0	89.6	87.2	94	86	2.2	0.4	14.6	15.2	78	96	—	1	—	1	8	10	3.2	5.0	83	Fine till 16 h., then ●.
2	997.9	1001.0	89.5	85.4	93	85	1.7	1.4	15.2	11.9	82	82	20	3	20	3	7	8	2.3	7.0	85	Fine; some slight showers.
3	1001.7	1003.4	86.8	84.4	90	84	1.6	0.7	12.9	12.2	82	90	20	4	20	2	8	10	1.0	2.5	83	Fine a. ● showers p.
4	1003.4	1004.7	87.7	85.7	90	83	2.5	1.7	12.2	11.5	73	79	22	2	22	2	9	0	4.0	4.0	82	Fine, but cool.
5	1004.4	1005.1	86.2	86.0	91	82	0.5	1.3	14.2	12.5	94	85	—	1	—	1	10	0	3.8	3.3	80	Showerly.
6	1001.3	1007.4	88.3	85.7	91	84	1.4	2.6	14.6	10.5	85	72	18	3	20	2	10	9	—	4.7	83	Fine.
7	1010.8	1012.5	87.8	85.1	91	82	2.9	2.7	11.5	9.8	69	70	20	2	—	1	8	8	5.4	7.6	80	Fine.
8	1000.3	1003.4	90.2	86.8	91	84	0.2	0.1	19.0	15.2	97	98	16	5	—	1	10	10	16.6	—	81	● 10 h.-19 h.
9	1007.8	1010.5	87.8	86.6	92	84	2.7	1.6	11.9	12.5	71	81	18	4	18	2	8	7	—	7.0	82	Fine.
10	1015.2	1020.0	87.8	85.2	92	84	1.7	2.2	13.5	10.5	82	74	20	3	20	2	9	1	0.4	8.0	83	Fine.
11	1024.0	1026.7	88.5	86.9	94	84	2.2	2.0	13.5	12.2	77	77	22	2	—	1	10	3	—	4.5	82	Fine.
12	1026.1	1023.0	91.0	87.2	94	82	3.0	2.2	14.6	12.2	70	76	14	2	—	1	0	0	—	13.2	78	Fine.
13	1019.6	1016.9	92.2	93.0	96	85	2.2	2.4	17.3	17.6	78	77	—	1	—	1	9	0	—	6.6	81	Fine.
14	1014.5	1013.9	94.6	91.6	98	87	3.4	1.8	17.6	17.3	66	81	8	3	—	0	1	10	—	6.4	84	Occasional T <.
15	1014.2	1017.3	91.1	89.4	95	87	3.5	2.0	17.3	14.6	85	79	—	1	—	1	9	0	—	7.2	83	Fine.
16	1019.3	1019.3	90.1	84.7	93	85	2.7	1.0	14.2	11.9	73	87	8	2	—	1	3	0	—	7.1	84	Fine.
17	1020.6	1021.3	90.7	86.8	96	87	3.3	2.0	13.9	12.2	63	77	—	0	—	1	0	0	—	13.0	75	Fine.
18	1022.3	1021.7	86.7	85.7	96	82	0.4	1.1	14.9	12.9	95	87	—	0	—	0	10	0	—	8.1	78	≡ early a. Fine and clear.
19	1021.0	1019.3	88.6	86.9	95	82	1.3	1.7	14.9	12.9	86	81	—	0	—	0	3	3	—	9.0	77	Fine.
20	1017.9	1016.6	90.2	89.3	95	81	2.6	2.1	14.2	14.2	74	78	—	1	—	1	10	10	0.3	4.7	78	Fine.
21	1015.9	1017.3	89.0	85.7	94	86	1.7	1.9	14.9	11.5	83	78	20	2	—	0	10	0	0.4	6.7	85	Fine.
22	1013.9	1009.1	90.5	88.3	91	82	2.6	0.4	14.6	16.6	73	96	14	2	16	3	10	10	2.6	0.1	79	Overcast and showerly.
23	1008.8	1007.8	91.3	90.2	96	88	2.3	1.3	15.9	16.6	77	85	20	4	16	4	1	10	12.8	6.9	86	Fine.
24	1009.1	1013.5	88.4	86.1	94	86	0.8	1.6	15.9	12.2	92	81	—	1	—	1	10	3	—	6.6	86	Fine.
25	1012.2	1001.7	88.5	87.3	92	83	2.4	0.4	13.2	15.2	76	94	16	3	12	6	8	10	3.8	8.4	80	Fine till 17 h., then ● showers.
26	1001.3	1008.8	87.8	86.1	92	85	1.9	0.5	13.2	13.9	78	93	20	2	—	1	8	5	1.3	7.0	84	Fine. ● shower 19 h.
27	1017.3	1020.0	88.0	86.1	91	84	2.2	1.8	12.9	11.9	76	80	—	1	18	2	10	2	—	4.7	80	Fine.
28	1021.7	1024.0	88.3	87.8	91	86	0.6	0.1	16.3	16.6	94	99	18	2	—	0	10	10	6.8	—	84	● from 14 h.
29	1026.4	1025.7	88.0	86.3	91	84	1.7	0.2	13.9	14.6	82	97	—	0	—	0	8	10	12.8	4.1	81	Fine a. ● from 16 h.
30	1025.7	1027.7	86.0	85.1	89	83	0.3	0.7	14.2	12.9	97	92	—	1	—	0	10	10	—	—	83	Overcast.
31	1028.4	1027.4	86.3	84.7	92	80	0.9	1.1	13.5	11.9	89	86	—	1	—	1	4	2	—	9.0	76	Fine.
Mean	1013.7	1014.4	89.0	86.9	92.9	83.8	1.9	1.4	14.5	13.3	81	84	1.9	1.4	7.5	5.8	77.5	5.8	7	5.8	81.5	
Mean Barometer at Station Level.	1006.4	1007.1																				

## DUBLIN (PHENIX PARK), a.—AUGUST 1914.

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

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## FORT WILLIAM, INVERNESS-SHIRE, a.—SEPTEMBER 1914.

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

Day.	Barometer at 273° A. 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	1026.1	1025.7	87.5	86.9	90	82	1.3	0.6	14.0	14.7	85	93	20	2	Calm	0	100	8.00	—	Dull, with ∞.
2	1024.4	1022.7	86.6	86.1	94	85	0.8	0.6	14.0	17.0	90	94	100	100	0	—	—	—	—	Dull, with ∞.
3	1023.0	1023.7	88.9	86.9	93	87	0.8	1.1	16.1	13.7	91	87	20	1	Calm	0	100	0	—	Fine, intermittent ∞.
4	1024.0	1023.7	87.5	85.8	94	82	1.1	1.4	14.2	12.2	87	83	4	1	Calm	0	100	0	—	Fine, but some ∞.
5	1024.7	1024.0	87.5	85.5	92	83	2.8	2.6	11.6	10.3	71	71	Calm	0	Calm	0	10	0	—	Very fine and sunny.
6	1024.7	1022.3	86.6	84.7	94	79	2.5	1.7	11.3	10.9	72	80	Calm	0	Calm	0	2	100	—	Very fine and sunny.
7	1020.6	1017.3	86.3	88.1	95	80	1.7	1.2	12.3	14.8	81	87	Calm	0	Calm	0	0	0	—	Very fine and sunny.
8	1014.5	1012.5	89.1	91.4	97	84	2.2	3.6	14.0	13.7	78	66	Calm	0	Calm	0	8	8	—	Generally fine; some ∞.
9	1013.5	1013.9	87.9	88.0	94	86	0.6	0.6	15.6	15.8	94	94	Calm	0	Calm	0	100	100	2.5	Oppressive; sunshine and ∞.
10	1013.2	1006.1	88.5	87.7	91	87	0.5	0.8	16.5	15.1	94	91	Calm	0	Calm	0	100	100	2.8	Dull, with ∞; ∞ evening.
11	1000.3	1001.0	85.2	82.0	91	82	1.1	0.7	12.2	10.4	86	92	16	2	20	3	8.0	10	8.1	∞, with intermittent sunshi.
12	1002.4	996.6	82.5	80.9	86	81	1.0	0.7	10.3	9.6	87	91	20	3	20	1	9	10	9.4	Dull and showery.
13	1000.3	1000.3	83.0	82.5	86	77	1.1	0.7	10.5	10.7	86	91	28	3	20	1	10.0	2	2.5	Dull, ∞; sunny intervals.
14	988.1	988.5	83.0	81.9	88	81	0.2	1.1	12.0	9.7	86	86	Calm	0	20	7	10.0	100	20.3	Overcast with ∞; ∞ 19 h.-20.
15	999.0	1002.4	82.5	81.5	86	80	1.8	0.2	9.2	10.7	78	98	24	5	20	3	10.0	3	6.6	Overcast with ∞.
16	1004.7	999.6	83.0	81.9	86	79	0.6	0.3	11.3	10.8	92	96	24	1	20	2	10.0	2	42.4	Unsettled; ∞ at night.
17	994.9	1001.0	82.4	85.0	88	81	0.5	3.2	10.9	9.1	94	65	Calm	0	32	3	10	5	0.3	∞ early; generally fair.
18	1007.1	1009.8	84.1	82.5	86	82	2.7	2.7	9.1	8.1	70	68	28	3	8	2	7	4	—	Generally fine; sunny intervals.
19	1013.5	1014.5	83.0	80.2	88	79	2.2	1.7	9.0	7.9	74	78	20	1	Calm	0	10	9	—	Dull and showery.
20	1023.0	1026.7	81.4	79.7	87	76	1.7	1.7	8.6	7.5	79	76	Calm	0	8	1	3	1	—	Fine, clear, and sunny.
21	1028.8	1026.7	77.5	77.5	86	73	1.0	1.0	7.1	7.1	86	86	Calm	0	Calm	0	10	0	—	Fine, clear, and sunny.
22	1024.7	1021.7	80.8	84.7	88	74	1.4	1.3	8.7	11.5	83	84	Calm	0	Calm	0	10	10	1.0	Fair to fine; ∞ p.
23	1018.9	1020.3	86.0	86.1	87	84	0.3	0.3	14.4	14.4	97	96	20	3	20	3	10.0	100	8.4	Overcast, ∞ and ∞.
24	1022.3	1021.3	86.4	85.2	90	85	0.6	1.1	14.1	12.2	92	87	20	4	20	3	10.0	10	—	Dull early; fine after 11 h.
25	1017.9	1015.9	85.1	85.5	87	84	2.1	0.3	10.6	13.9	75	96	20	4	20	4	7	10.0	100	Fair generally; ∞ after 17 h.
26	1017.6	1023.0	84.1	84.1	86	83	1.6	2.8	10.6	9.0	81	69	20	3	20	3	10	10	—	Fair, but dull.
27	1024.4	1016.6	84.7	85.1	88	83	1.7	1.6	10.9	11.4	80	81	20	3	20	4	10	100	2.0	Fair, but dull.
28	1014.5	1024.7	85.1	79.7	86	80	3.6	1.5	8.8	7.8	62	79	28	4	Calm	0	9	2	—	Clear and sunny.
29	1030.1	1029.4	80.9	78.6	87	76	2.3	1.0	7.5	7.7	72	86	Calm	0	Calm	0	1	0	—	Very fine and sunny.
30	1026.4	1022.7	82.5	85.2	85	76	1.1	0.3	10.1	13.5	86	96	20	2	20	1	10.0	100	8.6	∞ and ∞ throughout.
Mean	1015.6	1015.2	84.7	84.1	89.1	81.0	1.4	1.3	11.5	11.4	83	85	1.5	1.5	8.2	6.5	127.9			
Mean Barometer at Station Level.	1014.2	1013.8																		

## DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1914.

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

1	1028.4	1027.4	88.6	89.7	92	86	0.4	1.1	16.9	16.6	96	88	Calms	0	Calms	0	100	2.2	—	3.0	84	Fine 14 h.—18 h.	
2	1026.4	1024.7	90.8	88.4	94	87	1.1	1.2	17.9	14.9	88	87	14	1	28	1	500	0.2	—	9.0	85	☁ a. Very fine.	
3	1023.7	1022.7	91.4	86.9	95	87	1.1	0.6	18.6	14.6	88	93	24	1	26	1	8	4	—	10.0	85	☁ a. Very fine.	
4	1022.3	1022.7	89.2	88.0	92	86	1.2	1.4	15.9	14.2	87	85	10	3	8	3	8	4	—	7.4	85	☁ a. Fine; cloudy intervals.	
5	1023.3	1023.7	86.2	88.0	91	86	2.1	1.7	11.5	13.9	76	82	8	5	10	4	10	10	—	5.8	86	Dull and squally a. Fine after 10 h.	
6	1024.4	1021.7	88.6	88.6	91	86	1.7	2.3	14.2	13.5	82	76	10	4	6	2	8	4	—	10.6	84	Very fine.	
7	1020.0	1015.9	88.9	89.7	93	86	1.5	1.7	15.2	15.6	85	82	10	2	8	3	10	4	—	6.4	84	☁ a. Very fine; cloudy intervals.	
8	1011.5	1011.8	90.8	87.4	93	87	1.9	1.1	16.3	14.2	80	87	8	4	32	1	8	6.4	1.3	4.3	86	Squally a. ☽ showers 13 h.	
9	1012.2	1013.2	89.8	88.1	94	87	0.6	0.1	17.6	16.9	94	99	Calms	0	Calms	0	10	8	—	2.0	84	☁ a. and p. Dull and cloudy.	
10	1014.5	1009.8	88.8	87.4	93	86	0.0	0.0	17.9	16.3	100	100	28	1	26	1	100	100	3.8	5.9	85	Fine. ☽ after 20 h.	
11	1004.0	1007.8	86.1	84.3	89	84	1.4	1.9	12.5	10.5	84	78	26	4	26	5	8	2	2.0	7.0	85	Squally. ☼☾ p. ☽ a.	
12	1009.1	1000.7	84.3	81.9	85	81	1.2	0.3	11.2	10.8	85	97	24	4	26	5	10	100	10.9	—	80	Overcast and squally. ☽ a.	
13	1007.1	1005.7	84.7	85.1	87	81	1.2	1.0	11.5	12.8	85	87	24	5	24	4	8	10	4.6	2.6	80	☽ showers a. Cloudy and squally.	
14	995.2	998.3	88.0	83.0	89	83	0.5	1.7	15.9	9.8	95	80	22	6	26	10	8	2	—	2.1	84	☽ showers after 16 h.	
15	1007.4	1007.4	84.1	83.0	87	82	1.9	0.9	10.2	10.8	77	88	24	4	24	2	4	2	0.5	9.2	81	Squally. ☽ showers after 14 h.	
16	1009.8	1005.7	85.3	84.1	87	81	1.2	0.5	12.2	12.2	85	93	20	2	22	3	8	2	21.5	1.4	79	☽ a. ☽ showers after 14 h.	
17	997.3	1003.0	84.9	84.7	87	83	0.6	1.3	12.9	11.5	94	84	24	2	26	6	4	6	4.9	7.2	80	☽ early a. Squally; ☽ showers.	
18	1010.8	1009.8	84.5	83.8	86	82	2.2	1.4	10.2	10.8	76	84	26	4	26	2	6	8	0.5	3.7	81	Squally. ☽ showers.	
19	1015.2	1015.2	83.6	81.0	86	81	2.8	1.2	8.8	9.1	68	85	28	4	28	6	7	80	4.8	6.0	79	T 17 h.	
20	1021.7	1027.1	83.0	80.8	86	79	3.0	1.7	8.1	8.1	66	79	32	3	32	1	2	0	—	11.1	77	Very fine.	
21	1028.8	1028.4	82.3	78.0	85	77	1.5	0.9	9.5	7.4	80	86	28	1	28	1	8	0.2	—	3.0	75	☁ a. and p.	
22	1027.4	1026.1	83.6	85.2	88	78	1.2	1.3	10.8	11.9	86	83	20	1	18	3	10	0	—	7.3	n 75	☁ a. Fine from 10 h.	
23	1025.4	1026.1	86.3	86.3	87	85	1.0	1.5	13.5	12.5	88	82	18	4	18	4	8	8	—	0.1	82	Dull and squally. ☽ 11 h.	
24	1026.4	1024.7	86.4	85.3	89	85	1.4	0.5	12.9	13.2	83	93	16	3	10	1	8	0.2	—	7.0	82	☁ a. and p. Very fine.	
25	1022.7	1021.3	87.3	86.0	90	85	2.1	0.2	12.5	14.6	77	97	20	2	22	2	2	4.4	—	10.5	80	☁ a. and p. Very fine.	
26	1022.7	1027.1	86.5	84.4	89	84	0.7	2.5	14.2	9.5	91	71	24	2	26	4	10	0	—	3.4	82	☁ a. Dull and cloudy.	
27	1029.1	1023.0	85.5	84.7	88	82	1.9	0.8	11.2	12.2	77	90	24	3	24	4	4	4	—	9.3	79	Fine; squally intervals.	
28	1020.3	1025.4	85.8	83.9	87	84	1.1	2.3	12.9	9.5	87	74	24	5	30	3	10	8	1.0	2.4	83	☽ 11 h.—13 h.	
29	1030.1	1031.1	83.3	78.5	86	78	2.6	1.1	8.8	7.8	70	86	4	1	30	1	2	0.2	—	10.0	77	☁ a. and p. Very fine.	
30	1029.4	1026.7	85.9	83.0	89	n 77	2.1	0.4	11.2	11.5	76	95	20	1	26	1	7	0.2	—	9.8	n 75	☁ a. and p. Very fine.	
Mean	1018.2	1017.8	86.5	85.0	89.1	83.2	1.4	1.2	13.1	12.2	84	86	2.7	2.8	7.4	4.3	50.8	5.93	81.5				
Mean Barometer at Station Level.	1007.7	1007.3																					

† Beaufort Scale (0—12).

† Beaufort Scale (0-12).

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

## SHREWSBURY, SHROPSHIRE.—SEPTEMBER 1914.

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







## FORT WILLIAM, INVERNESS-SHIRE, a.—OCTOBER 1914.

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

Day.	Barometer at 27.5° A. 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 beginning 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.	9 h.	21 h.				
	millibar.		200+	200+	200+	200+	millibar.						%	%	Tenths of Sky covered.		mm.	hr.	200+	
1	1017.3	1021.7	85.3	80.6	87	80	0.1	1.1	14.0	9.0	98	87	20	3	Calms	0	100 <sup>0</sup> ≡0	0	13	0° early. Clear and sunny
2	1025.4	1019.6	79.1	84.1	85	74	1.6	0.2	7.4	12.9	79	98	Calms	0	20	2	0.0	100 <sup>0</sup> ≡0	5.8	Fair till 16½ h. ☉ and ☽ [thereafter]
3	1018.9	1021.0	84.1	83.6	87	83	1.4	2.2	10.9	9.4	83	75	28	3	28	3	100 <sup>0</sup> ≡0	100 <sup>0</sup> ≡0	0.5	Showery.
4	1025.4	1029.4	84.3	83.6	88	83	2.4	1.1	9.6	10.9	72	86	32	2	20	1	6	10	0.8	Fine and sunny.
5	1024.7	1024.7	86.9	86.4	89	83	1.6	1.0	12.8	13.4	82	88	20	2	20	1	10	10 <sup>0</sup>	—	Fine and sunny.
6	1027.4	1026.4	86.1	85.8	89	85	1.1	0.6	13.1	13.6	88	93	Calms	0	Calms	0	10	10	—	Fine and sunny.
7	1025.4	1023.0	85.8	84.7	87	84	0.8	1.2	13.2	11.7	90	85	20	1	20	1	10 <sup>00</sup>	10 <sup>00</sup>	6.4	Fine and sunny.
8	1021.3	1022.7	85.8	84.6	86	84	0.2	0.6	14.3	12.5	98	93	20	2	Calms	0	10	10	—	Dull, overcast. ∞
9	1024.0	1024.4	84.9	84.1	88	82	0.3	1.0	13.3	11.5	97	88	Calms	0	20	1	10 <sup>00</sup>	10	3.1	Dull. ☉.
10	1022.7	1020.3	84.2	84.7	85	82	0.7	0.6	12.1	12.6	91	93	20	1	20	2	10	10	—	Dull. ☉ 9 h.
																				Dull. ☉ p.
11	1015.9	1010.8	85.1	85.2	86	84	1.7	2.0	11.2	10.8	79	76	16	3	20	3	10	100 <sup>0</sup>	3.8	Dull. ☉ at times.
12	1006.1	1009.1	85.2	78.2	86	78	1.1	0.8	12.2	7.8	86	89	20	5	Calms	0	90 <sup>0</sup>	0	—	Squally, ☉. Fine after 10 h.
13	1007.8	1012.5	79.1	81.4	85	77	1.2	0.7	7.9	9.8	83	91	20	8	1	10	100 <sup>0</sup> ≡0	0	0.8	Fine generally. ☉ and ☽ [thereafter]
14	1019.6	1023.7	78.6	75.7	85	75	0.6	0.6	8.2	6.8	91	92	8	2	Calms	0	0	0	—	Bright sunshine.
15	1026.1	1025.4	74.7	76.2	85	77	0.6	0.4	6.2	7.2	90	94	Calms	0	Calms	0	0	0	—	Bright sunshine.
16	1025.7	1025.4	76.9	78.4	86	74	0.4	0.4	7.5	8.4	94	94	Calms	0	Calms	0	7	0 <sup>00</sup>	—	Fine. ∞ at times.
17	1023.3	1022.3	79.7	82.5	85	76	0.6	0.6	10.8	10.8	92	92	Calms	0	20	3	10	100 <sup>0</sup>	0.8	Dull; drizzle at times.
18	1024.0	1025.7	82.5	78.1	84	78	1.8	1.1	9.1	7.3	77	84	Calms	0	16	1	8	1	—	Fair, but dull.
19	1027.1	1027.1	78.6	81.4	82	75	0.6	0.5	8.3	10.2	92	94	Calms	0	Calms	0	10 <sup>00</sup>	10 <sup>00</sup>	—	Dull. ∞
20	1026.4	1024.4	81.9	83.1	86	81	0.7	3.0	10.3	8.1	92	66	Calms	0	16	4	6	0	—	Very fine, clear, and sunny.
21	1019.6	1009.8	82.4	81.9	85	80	2.7	2.3	8.0	8.1	68	72	16	2	4	4	9	2	0.2	Fair to fine generally.
22	1005.7	1005.7	82.5	83.6	86	80	3.4	2.2	7.2	9.3	74	4	5	16	2	7	8	—	—	Fine, clear and sunny.
23	1007.4	1008.1	82.3	81.9	86	80	1.5	0.6	9.4	10.5	81	93	4	2	Calms	0	10	10	—	Dull, cloudy. ∞
24	1012.2	1014.2	78.4	82.5	85	77	0.5	0.9	8.3	10.5	93	89	4	2	Calms	0	2	4	—	Fine and sunny.
25	1008.1	1001.3	84.3	83.1	86	81	3.6	0.2	8.2	12.1	62	98	12	5	Calms	0	10	100 <sup>0</sup>	211.9	Gloomy. ☉ p.
26	1008.4	1004.4	83.0	81.4	86	81	0.1	0.6	12.1	10.1	99	93	Calms	0	Calms	0	10	100 <sup>0</sup>	8.1	Dull and showery.
27	1002.7	999.3	78.6	78.6	83	77	0.5	0.6	8.4	8.3	93	92	20	2	12	2	6	10	3.3	Dull and showery. * on Ben Nevis.
28	998.3	1000.3	76.9	76.9	82	76	0.5	0.6	7.4	7.4	93	92	Calms	0	Calms	0	100 <sup>0</sup>	7	0.2	Dull and showery.
29	1010.5	1012.8	75.7	81.9	82	74	1.0	1.4	6.2	9.2	85	82	8	3	4	4	9	—	—	Generally fine and sunny.
30	1012.8	1007.1	81.0	80.1	83	80	2.3	1.5	7.6	8.0	72	80	4	5	8	3	9	4	—	Dull.
31	1001.3	1000.7	83.0	83.0	85	78	1.7	1.7	9.7	9.7	80	80	8	4	8	3	9	10	—	Dull. ☉.
Mean	1016.8	1016.2	81.8	81.8	85.5	79.2	1.2	1.0	9.8	9.9	85	87	1.7	1.3	7.8	6.9	47.2			
Mean Barometer at Station Level.	1015.3	1014.8																		

## DOUGLAS, ISLE OF MAN, a.—OCTOBER 1914.

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

		Time, Local mean time.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.		+ 20 W.	
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† Beaufort Scale (0-12).&lt;/



ARMAGH, a.—OCTOBER 1914.

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,  $h_r = 0.30$  m. Lat.  $54^\circ 21' N.$  Long.  $6^\circ 39' W.$  Time, Dublin mean time.

Day.	Barometer at 273° A. 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 beginning 9 h.	Sunshine.	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	1023.0	1023.3	86.0	86.9	90.0	81.0	0.8	1.1	13.5	13.9	90	87	20	2	20	2	10	10	—	1.0	79	Fine.	
2	1025.7	1024.4	87.3	85.6	89	86.8	0.4	1.1	15.2	12.5	94	87	—	1	20	2	10	10	—	0.7	86	Overcast.	
3	1024.0	1026.7	87.3	83.4	90.0	83.0	1.5	1.0	13.5	11.2	83	88	—	1	—	1	7	8	—	3.7	84	Fine.	
4	1030.5	1032.5	85.6	82.0	89	82.0	1.6	0.8	11.9	10.2	80	91	—	1	—	0	9	8	—	4.1	79	Fine.	
5	1030.1	1027.7	84.8	85.0	90.0	81.0	1.1	0.6	11.9	12.9	86	93	20	2	22	2	9	9	—	3.1	78	Fine.	
6	1028.4	1026.4	86.7	85.8	89	85.0	0.4	0.2	14.9	14.2	96	98	—	0	—	0	10	10	—	0.8	82	Overcast, with ☉.	
7	1025.4	1023.0	86.1	86.2	87	85.0	0.9	0.4	13.5	14.2	90	95	16	2	16	2	10	10	—	—	84	Overcast.	
8	1024.7	1026.1	85.8	83.5	90.0	84.0	0.7	0.4	13.5	11.9	92	95	—	1	—	1	2	10	—	3.2	84	Fine.	
9	1025.7	1025.7	83.8	81.1	86	81.0	0.8	1.0	11.5	9.9	90	87	—	1	—	1	10	1	—	—	79	Overcast till 20 h.	
10	1023.0	1020.3	85.2	85.4	87	80.0	0.3	0.3	13.5	13.9	96	97	18	2	18	2	10	10	—	—	75	Overcast.	
11	1014.9	1010.8	85.9	84.9	87	84.0	1.8	1.3	11.9	11.5	80	84	14	3	14	5	10	10	—	3.4	82	Overcast.	
12	1010.5	1009.5	84.0	82.6	86	82.0	0.0	0.1	13.2	11.9	100	98	—	0	—	0	10	10	—	2.0	84	Drizzling ☉ most of day	
13	1008.1	1014.2	80.7	80.2	87	79.0	0.1	0.1	10.5	9.8	99	98	—	0	—	1	10	0	—	1.0	0.8	79	Fine a. ☉ showers p.
14	1019.6	1024.4	83.6	76.7	86	76.0	1.8	0.4	9.8	7.4	97	94	—	0	—	0	1	0	—	0.1	8.6	72	Fine.
15	1025.4	1024.4	79.2	79.2	87	78.0	0.7	0.3	8.5	8.8	89	94	—	0	—	0	0	0	—	9.0	72	Very fine.	
16	1025.4	1025.0	82.0	83.9	87	78.0	0.1	0.3	12.2	12.5	99	96	—	0	—	0	10	10	—	0.8	74	☉ a. Cloudy.	
17	1024.0	1023.7	84.7	84.5	89	81.0	0.6	1.0	12.5	11.9	93	88	—	0	—	1	10	10	—	3.1	1.1	76	Cloudy.
18	1025.0	1025.7	82.9	82.4	85	81.0	0.1	0.4	11.9	11.2	98	94	—	0	—	1	10	10	—	—	81	Overcast.	
19	1027.4	1026.4	86.2	82.2	89	82.0	1.1	0.5	13.2	10.8	87	94	—	1	16	2	5	0	—	6.2	78	Fine.	
20	1025.0	1021.7	84.5	81.3	86	76.0	1.4	0.5	11.2	10.2	83	93	—	1	12	2	0	10	—	5.8	72	Very fine a. Overcast p.	
21	1014.9	1004.7	83.6	82.9	85	80.0	1.2	0.7	10.8	11.2	85	91	12	4	12	4	10	10	—	1.6	75	Cloudy.	
22	1000.0	1003.7	82.4	80.5	86	81.0	0.0	0.1	11.9	10.2	100	98	8	2	—	0	10	10	—	0.7	0.5	76	☉ a. Cloudy.
23	1006.4	1007.8	80.6	81.3	83	79.0	0.0	0.0	10.5	10.8	100	99	—	1	—	0	10	10	—	—	75	☉ a. Overcast.	
24	1010.8	1012.8	81.8	78.5	86	79.0	0.0	0.1	11.2	8.8	100	100	—	0	—	0	10	9	—	0.2	4.1	76	Overcast a. Fine p.
25	1003.7	1006.4	84.7	83.0	86	75.0	0.4	0.2	13.2	11.9	96	98	12	5	22	2	10	1	—	16.8	0.3	72	☉ 9 h. 30 m.-14 h.
26	1012.5	1008.1	83.0	81.1	87	80.0	0.7	1.1	11.2	9.1	92	86	20	2	18	2	0	8	—	1.9	6.7	79	Fine. ☉ showers after 17 h.
27	1005.1	1002.0	80.0	79.1	85	76.0	0.9	0.4	8.8	8.8	88	94	20	2	20	3	7	10	—	0.1	6.6	75	Fine.
28	999.6	997.6	79.6	75.6	84	76.0	0.5	0.2	9.1	7.1	94	98	20	2	—	1	7	0	—	1.0	4.1	74	Fine. ☉ showers. ☉ 22 h.
29	1007.8	1010.5	80.0	75.8	83	73.0	0.3	0.5	9.5	6.8	96	93	—	1	—	0	0	0	—	4.6	n 70	79	Fine.
30	1007.1	1003.4	81.5	81.2	83	75.0	0.9	0.4	9.8	10.2	88	95	2	3	—	1	10	9	—	0.1	—	71	Overcast.
31	996.6	994.2	83.4	81.6	84	80.0	0.4	0.1	11.9	10.8	95	98	4	2	6	2	10	10	—	7.1	—	75	Overcast. ☉ from 21 h.
Mean	1017.1	1016.5	83.7	82.1	86.6	79.8	0.7	0.5	11.7	10.8	92	94	1.4	1.3	7.6	7.2	39.0	2.45	77.3				
Mean Barometer at Station Level.	1009.6	1009.0																					

DUBLIN (PHŒNIX PARK), a.—OCTOBER 1914.

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,  $h_r = 0.30$  m. Lat.  $53^\circ 22' N$ . Long.  $6^\circ 21' W$ . Time, Dublin mean time.

		Time, Dublin mean time.																						
1	1025 <sup>0</sup>	1024 <sup>7</sup>	84 <sup>3</sup>	86 <sup>0</sup>	88	79	0 <sup>5</sup>	0 <sup>3</sup>	12 <sup>5</sup>	14 <sup>6</sup>	94	88	Calm	0	Calm	0	10	3	—	0 <sup>5</sup>	75	Dull. Clear n.		
2	1026 <sup>4</sup>	1026 <sup>7</sup>	84 <sup>3</sup>	86 <sup>2</sup>	90	85	0 <sup>4</sup>	0 <sup>3</sup>	15 <sup>6</sup>	14 <sup>6</sup>	95	95	Calm	0	Calm	0	9	9	—	0 <sup>3</sup>	81	Dull.		
3	1025 <sup>4</sup>	1028 <sup>4</sup>	87 <sup>9</sup>	81 <sup>8</sup>	82	81	0 <sup>4</sup>	0 <sup>3</sup>	16 <sup>6</sup>	10 <sup>8</sup>	100	97	24	2	Calm	0	9	9	—	—	5 <sup>8</sup>	81	● 6 h.-7 h. Bright. Clear	
4	1030 <sup>5</sup>	1032 <sup>8</sup>	83 <sup>2</sup>	81 <sup>1</sup>	89	80	0 <sup>4</sup>	0 <sup>2</sup>	11 <sup>9</sup>	10 <sup>5</sup>	94	97	Calm	0	Calm	0	9	7	—	—	4 <sup>1</sup>	77	Bright.	
5	1031 <sup>1</sup>	1028 <sup>8</sup>	86 <sup>1</sup>	84 <sup>0</sup>	90	78	0 <sup>4</sup>	0 <sup>2</sup>	13 <sup>2</sup>	12 <sup>5</sup>	94	97	24	1	Calm	0	10	2	—	—	2 <sup>6</sup>	75	Dull.	
6	1027 <sup>7</sup>	1027 <sup>1</sup>	85 <sup>5</sup>	84 <sup>0</sup>	88	84	0 <sup>2</sup>	0 <sup>2</sup>	14 <sup>9</sup>	12 <sup>9</sup>	97	97	Calm	0	Calm	0	10	10	—	0 <sup>4</sup>	81	● a. and p. Overcast.		
7	1025 <sup>4</sup>	1024 <sup>4</sup>	85 <sup>4</sup>	86 <sup>8</sup>	90	79	0 <sup>2</sup>	0 <sup>1</sup>	13 <sup>9</sup>	15 <sup>6</sup>	98	99	Calm	0	Calm	0	10	10	—	—	0 <sup>6</sup>	77	Dull.	
8	1025 <sup>7</sup>	1026 <sup>7</sup>	86 <sup>3</sup>	85 <sup>3</sup>	90	84	0 <sup>2</sup>	0 <sup>7</sup>	14 <sup>9</sup>	12 <sup>9</sup>	97	91	Calm	0	Calm	0	7	8	—	—	3 <sup>3</sup>	84	Dull.	
9	1026 <sup>4</sup>	1026 <sup>4</sup>	85 <sup>1</sup>	82 <sup>7</sup>	89	80	0 <sup>6</sup>	0 <sup>2</sup>	12 <sup>9</sup>	11 <sup>5</sup>	93	97	Calm	0	Calm	0	8	9	—	—	3 <sup>5</sup>	77	Cloudy, bright intervals.	
10	1024 <sup>0</sup>	1022 <sup>7</sup>	85 <sup>7</sup>	85 <sup>6</sup>	89	79	1 <sup>1</sup>	0 <sup>4</sup>	12 <sup>9</sup>	13 <sup>9</sup>	88	95	Calm	0	Calm	0	8	10	—	0 <sup>6</sup>	0 <sup>6</sup>	76	Dull. ● p.	
11	1016 <sup>2</sup>	1012 <sup>2</sup>	85 <sup>0</sup>	86 <sup>2</sup>	89	76	0 <sup>4</sup>	0 <sup>3</sup>	13 <sup>2</sup>	14 <sup>6</sup>	95	95	Calm	0	Calm	0	9	7	—	—	0 <sup>7</sup>	75	Dull.	
12	1010 <sup>5</sup>	1009 <sup>5</sup>	87 <sup>0</sup>	84 <sup>0</sup>	89	84	0 <sup>2</sup>	0 <sup>0</sup>	15 <sup>6</sup>	12 <sup>9</sup>	98	99	20	1	Calm	0	10	10	—	2 <sup>4</sup>	—	82	Dull.	
13	1009 <sup>5</sup>	1013 <sup>9</sup>	82 <sup>9</sup>	82 <sup>6</sup>	86	82	0 <sup>3</sup>	1 <sup>3</sup>	11 <sup>9</sup>	9 <sup>8</sup>	97	84	Calm	0	32	1	10	10	—	—	0 <sup>5</sup>	82	● at intervals a. Dull.	
14	1018 <sup>3</sup>	1023 <sup>7</sup>	81 <sup>9</sup>	77 <sup>9</sup>	85	76	1 <sup>6</sup>	1 <sup>1</sup>	8 <sup>8</sup>	7 <sup>4</sup>	n 81	85	28	1	Calm	0	2	0	—	—	—	4 <sup>7</sup>	74	Bright.
15	1023 <sup>7</sup>	1024 <sup>0</sup>	81 <sup>5</sup>	84 <sup>6</sup>	86	n 72	0 <sup>8</sup>	0 <sup>5</sup>	9 <sup>8</sup>	12 <sup>5</sup>	89	93	Calm	0	Calm	0	8	10	—	—	—	3 <sup>9</sup>	71	Cloudy.
16	1024 <sup>7</sup>	1025 <sup>7</sup>	85 <sup>7</sup>	81 <sup>4</sup>	87	77	0 <sup>6</sup>	0 <sup>1</sup>	13 <sup>5</sup>	10 <sup>8</sup>	94	98	Calm	0	Calm	0	10	10	—	—	0 <sup>1</sup>	72	Dull.	
17	1024 <sup>7</sup>	1024 <sup>7</sup>	83 <sup>5</sup>	82 <sup>6</sup>	89	80	0 <sup>6</sup>	0 <sup>3</sup>	11 <sup>9</sup>	11 <sup>5</sup>	93	96	Calm	0	Calm	0	10	10	—	—	—	1 <sup>0</sup>	80	Cloudy.
18	1024 <sup>7</sup>	1026 <sup>1</sup>	84 <sup>1</sup>	81 <sup>0</sup>	87	80	0 <sup>3</sup>	0 <sup>3</sup>	12 <sup>5</sup>	10 <sup>2</sup>	96	96	Calm	0	Calm	0	10	0	—	—	0 <sup>8</sup>	76	● showers a. Cloudy.	
19	1027 <sup>4</sup>	1027 <sup>1</sup>	83 <sup>5</sup>	80 <sup>7</sup>	87	76	0 <sup>4</sup>	1 <sup>1</sup>	12 <sup>2</sup>	9 <sup>1</sup>	95	86	Calm	0	Calm	0	8	0	—	—	3 <sup>0</sup>	73	Bright. Clear n.	
20	1025 <sup>0</sup>	1021 <sup>3</sup>	80 <sup>7</sup>	78 <sup>8</sup>	87	n 72	0 <sup>4</sup>	0 <sup>3</sup>	9 <sup>8</sup>	8 <sup>8</sup>	95	96	Calm	0	Calm	0	2	2	—	—	6 <sup>8</sup>	n 70	Bright. Cloudy n.	
21	1014 <sup>5</sup>	1005 <sup>7</sup>	83 <sup>1</sup>	84 <sup>0</sup>	85	76	0 <sup>5</sup>	1 <sup>7</sup>	11 <sup>5</sup>	10 <sup>5</sup>	95	80	20	2	12	2	9	7	—	1 <sup>8</sup>	1 <sup>1</sup>	74	Cloudy. ● at intervals p.	
22	999 <sup>0</sup>	1002 <sup>7</sup>	85 <sup>4</sup>	80 <sup>9</sup>	89	80	0 <sup>8</sup>	0 <sup>2</sup>	12 <sup>9</sup>	10 <sup>5</sup>	90	98	Calm	0	Calm	0	8	2	—	0 <sup>5</sup>	4 <sup>6</sup>	81	Cloudy. ● showers p.	
23	1006 <sup>4</sup>	1007 <sup>4</sup>	81 <sup>3</sup>	82 <sup>9</sup>	84	79	0 <sup>1</sup>	0 <sup>4</sup>	10 <sup>8</sup>	11 <sup>5</sup>	99	95	Calm	0	Calm	0	10	10	—	—	—	76	Overcast to bright.	
24	1009 <sup>5</sup>	1012 <sup>5</sup>	84 <sup>0</sup>	77 <sup>1</sup>	87	77	0 <sup>5</sup>	0 <sup>3</sup>	12 <sup>2</sup>	7 <sup>8</sup>	93	96	Calm	0	Calm	0	8	0	—	0 <sup>4</sup>	3 <sup>7</sup>	80	Cloudy. ● showers p. Clear	
25	1005 <sup>7</sup>	1008 <sup>1</sup>	85 <sup>7</sup>	83 <sup>0</sup>	86	75	1 <sup>1</sup>	0 <sup>2</sup>	12 <sup>9</sup>	11 <sup>9</sup>	88	98	10	2	Calm	0	6	0	—	0 <sup>4</sup>	0 <sup>3</sup>	74	● a. Dull.	
26	1013 <sup>9</sup>	1009 <sup>1</sup>	82 <sup>4</sup>	83 <sup>5</sup>	87	80	0 <sup>7</sup>	0 <sup>6</sup>	10 <sup>8</sup>	11 <sup>9</sup>	91	93	Calm	0	Calm	0	2	10	—	2 <sup>4</sup>	76	78	Beautiful day. ● p.	
27	1006 <sup>8</sup>	1004 <sup>0</sup>	78 <sup>7</sup>	78 <sup>8</sup>	84	77	0 <sup>8</sup>	0 <sup>6</sup>	8 <sup>1</sup>	8 <sup>1</sup>	90	92	Calm	0	Calm	0	5	0	—	—	5 <sup>6</sup>	75	Beautiful day.	
28	1000 <sup>7</sup>	997 <sup>6</sup>	79 <sup>6</sup>	76 <sup>8</sup>	n 83	76	0 <sup>9</sup>	0 <sup>0</sup>	8 <sup>5</sup>	8 <sup>1</sup>	87	99	20	1	Calm	0	3	9	—	7 <sup>9</sup>	4 <sup>5</sup>	75	Cloudy. ● showers p.	
29	1004 <sup>4</sup>	1008 <sup>8</sup>	80 <sup>2</sup>	78 <sup>5</sup>	84	n 72	1 <sup>0</sup>	0 <sup>9</sup>	6 <sup>8</sup>	8 <sup>1</sup>	80	92	Calm	0	Calm	0	7	2	—	3 <sup>6</sup>	3 <sup>9</sup>	71	Cloudy. ● showers p.	
30	1004 <sup>0</sup>	1002 <sup>0</sup>	81 <sup>3</sup>	83 <sup>5</sup>	84	76	1 <sup>0</sup>	1 <sup>2</sup>	9 <sup>5</sup>	10 <sup>8</sup>	88	86	4	3	Calm	0	9	2	—	1 <sup>0</sup>	0 <sup>6</sup>	74	● a. Cloudy.	
31	994 <sup>9</sup>	991 <sup>9</sup>	84 <sup>2</sup>	82 <sup>6</sup>	85	80	1 <sup>3</sup>	0 <sup>2</sup>	11 <sup>2</sup>	11 <sup>5</sup>	84	96	4	2	Calm	0	9	10	—	2 <sup>12</sup>	—	75	Overcast. ● p.	
Mean	1017 <sup>1</sup>	1017 <sup>0</sup>	83 <sup>9</sup>	82 <sup>4</sup>	87 <sup>2</sup>	78 <sup>6</sup>	0 <sup>6</sup>	0 <sup>5</sup>	12 <sup>2</sup>	11 <sup>3</sup>	93	94	0 <sup>5</sup>	0 <sup>1</sup>	7 <sup>9</sup>	5 <sup>8</sup>	42 <sup>6</sup>	2 <sup>42</sup>	76 <sup>6</sup>					
Mean Barometer at Station Level.	1011 <sup>3</sup>	1011 <sup>1</sup>																						
* Metres per second.												† Beaufort Scale (0—12).												
n denotes the maximum and n the minimum.																								
METEOROLOGICAL OFFICE, LONDON.																								

\* Metres per second. † Beaufort Scale (0-12).  
 $x$  denotes the maximum and  $n$  the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON  
December 4th, 1914.

DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

DEERNESS, ORKNEY, a.b.—NOVEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $58^{\circ} 56' N$ . Long.  $2^{\circ} 45' W$ . Time, Greenwich mean time.

Day.	Barometer at 27° A. 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 beginning 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.		Wind Direction		Cloud Amount							
							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.	%	%	Dir. m/s.	Dir. m/s.	Tenths of Sky covered.		mm.	hr.	200 +				
1	1006.8	1007.4	81.5	80.7	82	81	0.4	0.4	10.5	9.8	95	94	10	11	8	9	100	100	20.6	—	Showers and ● all day.	
2	1006.8	1006.5	80.0	82.5	82	79	0.7	0.4	9.0	11.1	90	94	6	14	8	8	10	10	8.1	—	● overnight and till 19 h.	
3	1009.8	1009.8	81.8	82.2	83	81	0.6	0.5	10.5	10.8	93	94	8	12	10	10	10	100	13.7	—	[later.	
4	1011.5	1012.8	82.8	82.8	83	82	0.3	0.3	11.5	11.5	96	96	10	7	10	5	10	100	2.0	—	≡ 11 h.-15 h. ≡ earlier and	
5	1013.2	1011.8	82.2	81.6	83	81	0.6	0.4	10.8	10.5	93	94	12	10	10	9	10	100	3.3	—	Some passing showers.	
6	1008.8	1009.8	82.9	83.4	84	81	0.2	0.4	11.8	11.8	97	95	12	10	12	6	10	10	0.5	—	Dull with ●.	
7	1013.9	1011.8	82.4	81.9	84	81	0.6	0.8	10.8	10.1	92	90	22	2	16	7	7	1	1.3	2.6	Cloudy to fine. ☐ p.	
8	1006.1	1007.8	82.7	82.0	84	81	0.8	0.8	10.7	10.1	90	89	22	6	20	3	10	10	2.5	—	Mammalated clouds a. Fine p.	
9	999.3	1001.3	85.1	82.2	87	81	1.2	2.2	12.0	8.5	85	73	18	9	24	12	100	4	2.0	—	● 9 h.; boisterous p.	
10	1009.1	997.9	78.4	80.9	83	79	1.1	1.7	7.5	8.2	85	78	24	10	16	14	8	10	7.1	3.6	● a; fair but dull p.	
11	984.1	990.8	80.6	76.5	82	77	2.5	1.2	7.2	6.4	70	83	22	19	26	14	80	5	5.1	—	[13 h.	
12	998.3	1002.7	75.2	75.6	76	75	1.6	1.7	5.4	5.5	75	75	30	11	30	5	5	10	5.8	2.9	—	▲ all p. 4 h.-11 h., and
13	977.3	986.8	79.6	73.9	80	72	2.3	1.4	6.8	4.8	70	74	24	14	28	8	3	5	3.8	0.8	—	▲ all day.
14	996.6	1001.3	72.8	74.4	75	72	0.6	0.6	5.3	6.1	86	89	26	13	30	7	4	8	0.5	1.7	—	▲ all p.
15	997.3	1000.7	74.0	76.0	77	72	0.9	0.9	5.4	6.4	82	86	4	5	2	8	3	3	1.0	1.3	—	▲ all day.
16	997.3	1000.7	74.0	76.0	77	72	0.9	0.9	5.4	6.4	82	86	4	5	2	8	3	3	1.0	1.3	—	▲ a., ● and soft ✕ p.
17	1012.5	1021.7	76.5	75.0	77	74	1.9	1.6	5.7	5.3	72	75	2	8	30	5	6	6	—	0.3	—	Mostly fair.
18	1029.8	1034.2	76.0	77.8	79	75	2.0	1.1	5.4	7.2	72	85	2	3	10	3	10	10	0.7	0.1	—	Fine all day.
19	1034.2	1024.0	76.1	81.8	82	75	0.9	0.1	6.5	11.0	85	98	20	3	24	13	100	10	5.6	—	—	Fair till 16 h., then ●.
20	1025.7	1028.8	79.9	76.7	82	77	2.0	0.4	7.3	7.4	74	94	30	8	2	2	10	4	0.5	—	—	● overnight, ● after 16 h.
	1029.4	1026.4	78.5	78.8	80	77	0.2	1.4	8.7	7.3	97	81	30	3	—	0	10	100	0.8	0.4	—	Fair to fine.
21	1023.0	1020.0	78.4	79.3	80	77	0.6	1.2	8.2	7.9	93	83	2	2	14	5	10	9	0.5	0.8	—	Mostly fair.
22	1018.9	1016.6	79.7	77.7	80	77	1.3	0.9	8.0	7.3	81	87	14	6	—	1	8	1	3.3	0.5	—	Mostly fair.
23	1012.8	1009.8	77.8	76.0	79	76	0.7	1.9	7.6	5.5	90	72	28	6	22	2	8	5	1.5	1.5	—	● early; fine after 10 h.
24	1000.7	1000.0	77.8	76.7	80	76	0.7	1.1	7.6	6.6	90	84	18	4	24	3	8	2	5.3	0.6	—	● till 16 h., then fine.
25	1002.0	992.5	76.2	79.5	80	76	0.6	1.0	7.0	8.3	90	86	18	6	16	13	4	100	3.1	1.2	—	☉ afternoon, ● after 20 h.
26	981.7	982.4	83.0	79.4	84	77	0.8	1.7	10.9	7.4	90	77	16	11	18	12	10	0	4.8	0.8	—	☉ overnight.
27	990.2	996.6	76.7	77.2	80	76	1.1	1.1	6.6	7.4	84	77	18	10	18	9	50	1	—	2.5	—	Passing showers. [5 h.
28	981.4	990.8	79.6	77.6	81	77	1.2	1.2	8.1	7.0	83	83	18	8	24	10	2	8	3.2	0.7	—	☐ 0 h.; heavy showers p.;
29	992.9	985.1	78.4	81.8	82	77	1.1	0.4	7.5	10.6	85	94	18	4	16	8	8	100	5.3	—	—	● 17 h.-19 h., then ● [19 h.
30	978.0	977.6	80.6	78.2	82	77	0.9	1.8	9.1	6.6	88	76	14	4	18	13	10	2	1.5	—	—	● overnight till 8 h., then ● till
Mean	1005.1	1005.6	79.2	79.0	81.1	77.3	1.0	1.0	8.3	8.1	86	85	8.0	7.5	7.9	6.8	11.3	4	0.7	4	—	
Mean Barometer at Station Level.	999.0	999.5																				

ABERDEEN, a.e.—NOVEMBER 1914.

ABERDEEN, a.e.—NOVEMBER 1914.  
 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,  $h_r = 0.61$  m. Lat.  $57^{\circ} 10' N$ . Long.  $2^{\circ} 6' W$ . Time, Greenwich mean time.

[illegible]

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, 1881-1890; e. "Hourly Readings," 1905-1910.



## FORT WILLIAM, INVERNESS-SHIRE, a.—NOVEMBER 1914.

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

Day.	Barometer at 273° A. 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 beginning 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.
	millibar.		200+	200+	200+	200+	millibar.				%	%	Dir. (0-12)	Dir. (0-12)	Tenths of Sky covered.		mm.	hr.	200+	
1	1001.7	1003.4	83.0	82.4	85	82	1.7	1.1	9.7	10.1	80	86	8	2	8	2	10	100	4.3	Dull and showery.
2	1001.7	1002.0	79.1	82.4	86	79	0.6	0.9	8.7	10.5	92	89	4	3	2	10	100	8	9.7	Dull and showery. = on hills
3	1000.3	1005.4	84.2	81.9	86	81	2.3	0.6	9.7	10.5	73	93	12	2	2	10	100	8	1.0	Fair to fine.
4	1010.1	1011.2	76.9	78.2	82	76	0.5	0.3	7.4	8.5	93	96	8	1	16	1	0	0	0.2	Very fine and sunny.
5	1009.8	1005.4	79.7	81.1	84	76	0.6	0.6	9.0	9.8	92	92	10	0	8	2	9	100	2.0	Dull and showery.
6	1004.4	1010.5	83.0	82.9	84	81	0.6	0.4	11.3	11.5	93	95	10	0	2	10	100	5.8	Dull and showery.	
7	1015.9	1013.2	79.7	81.9	84	79	0.4	0.6	9.2	10.4	94	93	10	0	2	3	5	100	8.1	Fine and sunny. • after 20 h.
8	1010.8	1009.1	85.2	85.8	86	81	0.4	0.4	13.4	13.8	95	94	20	4	24	4	100	13.5	Dull and showery.	
9	1007.1	1008.1	84.6	83.0	86	83	0.4	1.1	12.7	10.5	94	86	20	6	20	2	100	30.0	Boisterous and •.	
10	1016.2	1005.1	79.6	80.2	83	78	1.6	0.6	7.6	9.3	79	92	20	3	20	8	70	10	31.8	Fair generally. • 19 h. to 21 h. on hills
11	997.6	1000.7	79.6	78.7	83	76	1.6	2.1	7.6	6.6	78	74	24	5	24	4	100	9	10.4	• 19 h. to 21 h. on hills
12	1006.4	1006.8	78.6	78.0	79	77	2.7	0.6	6.0	7.9	96	91	24	3	20	2	9	100	17.8	• 19 h. to 21 h. on hills
13	988.1	990.8	80.2	75.0	84	75	1.9	0.6	7.6	6.4	76	91	28	4	4	3	9	3	5.1	Shower; snow on hills.
14	1004.7	1005.1	73.7	71.9	76	71	1.3	0.7	4.8	4.5	76	79	20	4	4	3	9	1	0.5	Shower; snow on hills.
15	991.9	998.3	75.8	75.2	76	71	0.6	1.1	6.8	6.0	91	83	4	3	4	5	6	1	—	• 19 h. to 21 h. on hills
16	1012.5	1023.0	76.2	74.2	78	73	1.4	1.2	6.1	5.3	79	78	4	3	4	5	6	1	—	• 19 h. to 21 h. on hills
17	1030.1	1034.5	69.7	70.2	76	69	0.6	0.6	3.6	3.8	76	79	20	4	20	1	10	8	—	• 19 h. to 21 h. on hills
18	1037.2	1034.2	70.2	77.8	78	68	0.6	1.4	3.8	6.8	79	80	24	2	20	1	10	0	—	• 19 h. to 21 h. on hills
19	1027.1	1028.8	82.5	77.5	83	77	1.1	1.3	10.1	6.8	86	81	24	2	20	1	10	1	1.3	Fine and sunny.
20	1029.1	1026.7	74.1	75.8	78	73	0.6	0.6	6.0	6.8	89	91	8	1	20	2	100	1	0.2	Dull and cloudy.
																				Dull. •.
																				Fine and sunny.
21	1023.7	1020.0	73.0	72.5	76	72	0.4	0.5	5.5	5.1	89	86	10	0	20	0	7	0	—	Fine and sunny.
22	1018.6	1017.3	74.6	75.8	77	72	0.4	0.7	6.3	6.6	92	89	10	0	8	2	10	0	—	Dull. •.
23	1015.2	1012.5	75.2	75.2	77	74	0.5	1.1	6.5	6.0	92	83	8	1	12	2	10	1	3.6	Fair to fine.
24	1004.4	1004.0	78.2	76.9	80	74	0.4	0.6	8.2	7.4	94	87	20	2	20	2	100	9	3.1	Dull. •.
25	1005.1	992.5	73.3	81.3	81	73	0.3	1.1	5.9	9.3	94	87	10	0	20	4	6	100	24.9	Dull; heavy showers.
26	985.4	988.5	83.1	79.7	85	78	0.6	1.1	11.3	8.2	92	84	20	6	20	4	10	10	14.7	• 19 h. to 21 h. on hills
27	997.9	1000.0	77.5	79.5	80	76	0.7	1.4	7.5	7.7	90	80	20	4	24	5	7	10	13.5	• 19 h. to 21 h. on hills
28	986.4	998.6	79.0	77.9	82	77	1.2	1.1	7.8	7.3	84	85	20	5	20	4	8	100	20.1	Bleak, showery. • on hills
29	994.2	986.4	77.0	84.7	85	76	0.2	1.1	7.8	11.7	97	86	10	0	20	6	100	100	20.1	• 19 h. to 21 h. on hills
30	979.7	982.4	80.4	77.9	86	77	0.2	1.4	9.9	7.0	97	80	20	4	20	5	100	9	47.2	• 19 h. to 21 h. on hills
Mean	1007.1	1007.5	78.2	78.5	81.5	75.8	0.9	0.9	7.9	8.1	87	87	2.1	2.5	7.9	7.3	33.4	8		Boisterous; •.
Mean Barometer at Station Level.	1005.7	1006.1																		

## DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1914.

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

Language, $\eta = 0.50$ m. Lat. 54° 10' N. Long. 4° 28' W. Time, Local mean time.																						
1	996.3	999.6	83.7	83.7	85	82	1.6	1.3	10.2	10.8	81	85	10	6	10	2	10	—	0.8	81	Dull and squally.	
2	999.0	995.6	84.7	83.1	85	81	1.8	0.7	10.8	11.2	79	92	6	1	6	3	2	10	6.6	3.6	78	$\Delta$ a. Fine. $\odot$ noon. $\bullet$ 20 h.
3	999.6	1006.4	82.8	82.7	$\times$ 86	82	0.7	0.7	10.8	10.8	92	90	18	2	22	1	8	10	0.5	2.5	81	Cloudy, with $\bullet$ showers.
4	1009.5	1009.1	82.4	83.6	84	82	0.5	1.0	10.8	11.2	93	88	10	2	8	2	10	10	—	—	79	$\equiv$ a. Dull and mild.
5	1006.1	1002.0	83.8	83.2	85	82	1.9	0.2	10.2	12.2	78	98	8	3	12	1	10	10	11.4	—	82	$\bullet$ 9 h. 30 m.—16 h.
6	1006.8	1013.5	83.0	82.5	85	81	0.6	0.9	11.2	10.5	93	89	24	1	26	1	8	10	—	2.0	81	Cloudy and mild.
7	1018.3	1018.3	82.2	83.6	85	79	0.7	0.6	10.5	11.9	91	93	28	1	20	1	4	10	1.3	3.6	75	$\equiv$ a. Cloudy intervals.
8	1017.9	1017.9	84.1	85.8	$\times$ 86	83	0.1	0.6	12.9	13.5	99	93	18	3	22	3	10	10	1.3	—	77	Frequent $\bullet$ showers.
9	1017.3	1015.2	85.2	85.2	$\times$ 85	85	1.1	1.3	12.2	11.9	86	83	20	4	20	5	10	10	8.1	0.2	83	Dull and squally.
10	1020.6	1016.6	81.3	82.3	85	80	1.1	1.4	9.5	9.5	86	81	26	2	20	6	3	6	1.0	7.0	79	Fine and squally.
11	1006.4	1007.8	83.5	79.1	84	77	2.2	1.7	9.5	7.4	75	78	24	7	26	8	10	8	2.8	0.1	77	$\bullet$ showers.
12	1010.5	1012.8	80.5	80.9	81	79	1.9	0.6	7.8	9.3	75	93	26	8	24	2	6	10	3.8	5.6	76	$\odot$ (15 h.)
13	993.2	991.5	83.8	79.1	85	79	0.8	1.4	11.5	7.8	91	81	28	6	26	6	10	2	1.3	4.5	78	Cloudy and squally.
14	1006.8	1005.7	76.9	74.2	$n$ 80	$n$ 74	2.8	0.3	5.1	6.1	$n$ 63	93	32	3	26	1	6	10	12.5	5.4	73	$\Delta$ a. Fine till 14 h. $\Delta$ 19 h.
15	982.4	988.1	79.7	78.9	82	$n$ 74	0.4	1.5	9.1	7.4	94	81	28	1	4	4	8	10	0.3	1.6	72	Cloudy.
16	1009.5	1021.7	77.3	76.3	$n$ 80	75	1.2	1.1	6.8	6.4	82	83	32	3	4	2	2	10	—	6.6	75	Very fine. $\equiv$ p.
17	1028.4	1033.2	78.6	78.6	$n$ 80	76	2.3	2.5	6.4	6.1	72	69	8	2	10	3	6	2	—	4.7	72	Fine.
18	1037.2	1036.2	77.1	77.4	81	76	1.3	1.3	6.8	6.8	82	80	18	1	32	1	7	10	—	0.4	72	$\equiv$ early. Cloudy. $\equiv$ p.
19	1028.8	1026.1	79.4	79.7	84	75	0.8	1.6	8.5	7.8	88	78	24	3	4	2	8	6	0.8	2.2	72	Cloudy. $\bullet$ showers afternoon.
20	1027.7	1026.4	78.8	78.5	80	78	1.9	2.4	6.8	6.1	75	71	12	3	10	2	7	4	—	3.9	76	Cloudy a., then fine.
21	1023.0	1016.9	76.4	77.2	$n$ 80	$n$ 74	0.8	0.6	6.8	7.4	87	91	Calm	0	4	1	8	10	—	—	73	$\equiv$ early. Fine. $\equiv$ p.
22	1015.9	1016.2	78.9	78.3	$n$ 80	77	0.9	2.0	8.1	6.4	88	74	8	2	8	2	10	8	1.3	—	$n$ 70	Dull. $\bullet$ showers 9 h. 30 m.—16 h.
23	1015.2	1014.9	78.1	75.8	81	76	0.9	0.5	7.4	6.8	87	93	2	2	Calm	0	10	2	1.0	3.1	74	Dull a., then fine. $\Delta$ 19 h.
24	1010.1	1007.1	78.3	78.0	$n$ 80	75	1.4	0.6	7.1	8.1	81	92	22	3	32	1	10	10	8.6	—	71	$\bullet$ a. early a. $\bullet$ 11 h.—18 h.
25	1007.8	1000.7	78.1	82.7	84	76	0.3	0.3	8.5	11.5	96	96	28	1	20	5	7	10	10.9	0.2	73	$\equiv$ a. Dull. $\bullet$ from 18 h.
26	994.2	998.6	84.7	80.8	85	80	0.4	0.7	12.9	8.1	93	79	22	6	22	5	10	6	3.8	—	77	Dull and squally. $\bullet$ 9 h.—14 h.
27	1006.4	1008.4	79.8	80.8	81	79	1.2	1.7	8.1	8.1	83	79	22	5	20	3	8	4	217.0	2.1	77	Cloudy. Fine afternoon.
28	1000.0	1005.4	81.0	80.2	84	79	1.3	1.1	8.8	8.5	83	85	24	6	22	3	2	10	217.0	0.6	76	$\bullet$ T 5 h. Dull and squally.
29	1002.4	998.3	84.1	84.1	85	79	0.7	0.2	11.9	12.9	90	97	20	6	18	6	10	10	2.3	—	78	Overcast and squally.
30	986.4	992.2	84.7	79.4	85	79	0.0	2.0	13.5	7.1	100	74	20	8	20	3	10	7	1.3	1.0	83	$\odot$ a. $\bullet$ showers.
Mean	1009.5	1010.1	81.1	80.5	83.1	78.5	1.1	1.1	9.3	9.0	86	85	3.4	2.8	7.7	7.3	114.9	2.17	76.4			
Mean Barometer at Station Level.	998.9	999.5																				
$\times$ denotes the maximum and $n$ the minimum value in the column.																						



## ARMAGH, a.—NOVEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $54^\circ 21' N.$  Long.  $6^\circ 39' W.$  Time, Dublin mean time.

Day.	Barometer at 273° A. 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.		
	millibar.		200 +	200 +	200 +	200 +	millibar.				%	%	Dir. m/s.	Dir. m/s.	Tenths of Sky covered.		mm.	hr.					
1	995.6	999.3	82.4	82.4	84	79	0.6	0.5	10.8	10.9	92	93	4	3	4	2	10	10	0.8	—	76	Overcast.	
2	999.0	996.3	81.3	80.7	85	80	0.0	0.3	10.8	10.1	99	97	—	0	—	0	10	10	0.7	1.0	76	Overcast $\alpha$ . Fine p.	
3	998.6	1005.4	82.2	78.1	85	78	0.5	0.3	10.8	8.3	93	96	—	1	—	1	9	9	0.2	2.9	76	Fine.	
4	1008.1	1007.8	81.0	80.5	85	75	0.0	0.3	10.6	9.9	99	96	—	0	—	1	10	10	—	2.0	72	$\equiv$ early. Fine.	
5	1005.7	1001.7	82.9	81.9	84	79	0.1	0.1	12.1	11.2	99	99	—	1	—	1	10	10	8.0	—	76	Overcast. $\bullet$ from 14 h. 30	
6	1007.1	1014.2	81.1	78.1	86	76	0.1	0.7	10.6	7.9	98	91	20	2	—	1	10	10	0.4	1.7	79	Overcast $\alpha$ . Fine p.	
7	1017.6	1015.9	78.6	82.7	85	75	0.2	0.9	8.8	10.5	98	89	—	1	18	4	10	10	1.0	4.3	74	$\equiv$ early. Fine.	
8	1015.9	1015.9	84.6	86.2	87	83	0.5	0.4	12.7	14.3	94	94	20	4	20	6	10	10	0.3	—	79	Overcast, warm and damp.	
9	1013.2	1012.5	85.7	84.5	87	85	1.8	1.1	11.6	11.0	86	86	18	7	20	5	10	10	5.6	—	84	Overcast.	
10	1021.7	1014.5	80.0	80.2	86	78	1.1	1.2	8.4	8.3	85	83	24	2	18	8	0	10	4.4	6.3	76	Very fine	
11	1005.1	1010.5	81.1	76.3	84	76	1.0	0.7	9.3	6.9	88	89	22	4	24	4	10	8	5.2	0.3	78	Cold, with $\bullet$ showers.	
12	1014.5	1010.5	80.1	81.7	82	76	1.7	1.5	7.8	9.0	78	81	26	3	20	6	9	10	3.2	3.2	74	Fine.	
13	995.6	992.5	80.8	77.2	85	77	1.1	0.8	9.0	7.2	86	88	24	4	22	3	4	9	5.4	2.7	77	$\bullet$ showers.	
14	1009.8	1004.0	75.5	75.2	80	72	1.1	0.8	6.1	6.2	83	87	—	1	16	3	8	10	17.8	4.7	70	Fine.	
15	982.4	991.9	77.4	77.0	79	75	0.2	0.6	8.1	7.4	97	92	10	2	2	4	10	10	0.8	—	71	Overcast.	
16	1011.5	1021.7	77.0	72.4	81	72	1.6	0.4	6.3	5.2	78	87	—	1	—	1	0	3	—	7.7	67	Fine.	
17	1027.4	1032.2	75.1	74.9	80	72	1.9	0.7	5.0	6.3	70	80	—	1	10	3	1	3	0.8	2.5	66	$\alpha$ . Fine.	
18	1037.2	1036.9	73.3	71.9	79	72	0.6	0.6	5.5	4.7	88	83	—	1	—	1	10	2	—	4.5	69	$\alpha$ . Fine.	
19	1031.1	1026.7	73.9	79.1	81	71	0.9	0.3	5.4	8.9	84	94	18	2	4	2	10	10	0.3	0.7	68	$\alpha$ . Cloudy.	
20	1027.1	1025.4	76.7	77.6	81	75	0.4	0.7	7.4	7.5	94	90	—	0	10	2	10	10	—	0.9	74	Cloudy.	
21	1022.3	1017.6	74.9	73.0	77	73	0.3	0.3	6.6	5.8	95	93	—	0	—	0	10	8	—	1.6	70	Cloudy.	
22	1015.9	1016.6	73.8	75.1	79	70	0.2	0.4	6.2	6.6	97	94	—	1	—	0	10	10	0.2	0.3	67	$\alpha$ . Cloudy.	
23	1016.2	1015.2	74.0	75.6	77	73	0.0	0.2	6.5	7.1	100	97	—	1	—	1	10	10	2.0	1.6	71	$\equiv$ early. Cloudy.	
24	1008.4	1008.1	76.9	74.8	78	75	0.2	0.2	7.9	6.7	98	97	18	4	20	2	10	9	6.2	—	74	$\bullet$ till 16 h.	
25	1006.4	995.2	77.8	81.8	82	75	0.5	0.3	7.9	10.8	92	96	18	2	18	6	10	10	3.6	—	72	Overcast $\alpha$ . $\bullet$ p.	
26	990.5	996.9	82.6	76.9	85	77	0.9	1.4	10.5	6.4	89	81	18	6	20	6	10	8	0.6	1.5	73	Cloudy.	
27	1005.4	1002.7	78.2	78.3	80	76	1.1	0.8	7.4	7.9	84	90	20	4	16	7	1	9	3.6	5.2	75	Very fine.	
28	999.6	1002.4	79.5	78.6	83	77	1.5	1.2	7.7	7.6	80	85	20	5	20	5	2	10	14.3	2.2	76	Fine.	
29	999.0	991.9	84.9	85.0	86	78	1.3	1.6	11.6	11.3	84	81	20	8	18	7	10	10	5.4	—	76	Overcast.	
30	982.7	989.1	80.2	75.6	85	76	0.4	1.1	9.3	6.1	93	83	20	3	16	5	10	0	4.3	1.8	80	Fine.	
Mean	1009.0	1009.1	79.1	78.5	82.6	75.7	0.7	0.7	8.7	8.3	90	90	2.5	3.2	8.1	8.3	95.8	2.00	73.9				
Mean Barometer at Station Level.	1001.4	1001.5																					

## DUBLIN (PHENIX PARK), a.—NOVEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $53^\circ 22' N.$  Long.  $6^\circ 21' W.$  Time, Dublin mean time.

1	990.8	996.9	82.9	84.0	85	80	1.1	1.1	10.5	11.5	87	87	4	3	Dir. (0-12)	Dir. (0-12)	90	10	5.1	—	77	● <sup>a</sup> a. and p. Overcast.	
2	997.3	994.9	83.8	81.2	86	80	0.9	0.5	11.5	10.2	90	94	4	3	Calm	Calm	0	4	3.6	2.8	75	Cloudy. $\mathbb{K}$	
3	999.0	1005.1	80.9	78.5	84	75	0.2	0.0	10.5	8.8	98	99	—	—	Calm	Calm	0	10	10	4.8	79	Cloudy.	
4	1006.4	1007.1	84.0	83.7	85	74	0.5	0.3	12.2	12.2	93	96	—	—	Calm	Calm	0	5	10	7.1	0.8	74	● <sup>a</sup> 4 h.-5 h. Dull.
5	1003.7	1001.7	83.6	81.8	84	79	0.8	0.1	11.5	11.2	91	99	—	—	Calm	Calm	0	10	10	7.6	—	77	Dull.
6	1007.8	1014.5	81.9	78.1	86	78	0.5	0.2	10.5	8.5	94	98	—	—	Calm	Calm	0	10	0	—	3.6	80	Fine.
7	1018.3	1017.6	77.0	84.2	86	74	0.2	1.1	8.1	11.5	98	86	—	—	Calm	Calm	0	10	0	—	4.8	77	Fine.
8	1017.3	1018.3	84.3	86.3	87	84	0.8	1.5	11.9	12.5	90	83	20	3	20	2	8	10	2	h.-3 h.	81	Dull.	
9	1016.6	1014.9	85.3	85.2	87	85	1.8	1.7	11.2	11.2	79	80	20	2	18	2	8	10	6.1	0.3	82	Cloudy.	
10	1022.7	1018.6	80.2	81.0	86	79	0.2	1.4	9.8	8.8	98	83	Calm	0	20	4	0	0	7.9	6.1	75	● till 5 h. Beautiful day.	
11	1009.5	1013.2	81.9	77.4	84	77	0.5	1.1	10.5	7.1	94	84	20	2	24	2	100	0	6.4	0.1	79	● 4 h-7 h. Overcast.	
12	1016.2	1013.5	80.2	82.4	84	76	1.4	0.6	8.1	10.8	82	92	20	2	20	2	8	6	6.9	5.2	75	Bright.	
13	997.9	994.2	82.4	77.9	85	77	1.7	0.9	9.5	7.4	80	88	28	2	Calm	0	8	2	0.3	4.4	81	● 3 h-8 h. Cloudy.	
14	1009.5	1006.8	74.8	74.8	79	72	0.7	1.1	6.1	5.8	88	80	Calm	0	Calm	0	3	10	5.1	6.9	72	Bright.	
15	982.4	986.8	79.8	78.4	84	75	0.9	0.5	8.8	8.5	88	95	Calm	0	Calm	0	3	100	6.9	0.3	74	● till 3 h. Cloudy.	
16	1010.8	1021.3	75.7	72.5	80	72	1.1	0.1	6.1	5.8	83	97	Calm	0	4	3	6	2	—	7.0	72	● till 5 h. Beautiful day.	
17	1026.4	1031.5	72.4	74.1	82	69	0.3	0.5	5.4	6.1	92	90	Calm	0	Calm	0	6	2	—	4.7	67	Bright.	
18	1035.9	1036.9	74.6	70.7	81	70	0.1	0.2	6.8	4.7	98	94	Calm	0	Calm	0	9	0	—	3.4	71	Cloudy.	
19	1031.5	1025.4	72.2	80.1	81	71	0.3	0.5	5.4	9.5	92	94	Calm	0	Calm	0	7	10	0.3	0.1	n 66	Dull.	
20	1025.0	1025.4	80.1	77.9	81	77	1.0	1.6	8.8	6.8	87	78	Calm	0	Calm	0	9	3	—	—	74	Dull.	
21	1021.7	1018.9	70.0	68.5	79	68	0.1	0.2	4.7	3.7	94	89	Calm	0	Calm	0	5	0	0.8	3.8	68	Dull.	
22	1013.9	1015.2	75.2	76.3	80	n 67	0.1	0.3	7.1	7.4	98	96	Calm	0	Calm	0	10	3	1.3	0.2	n 66	● showers a. Dull.	
23	1015.6	1015.6	72.7	74.1	n 77	72	0.2	0.1	5.8	6.4	96	99	Calm	0	Calm	0	4	4	—	2.9	71	Dull.	
24	1010.8	1008.8	77.0	77.4	81	73	1.0	0.1	7.1	8.1	86	99	Calm	0	Calm	0	6	10	5.8	—	70	Dull.	
25	1007.8	998.3	78.9	83.7	84	75	0.5	1.3	8.5	10.8	93	85	Calm	0	20	3	9	10	2.5	0.1	73	Overcast.	
26	992.2	1000.3	82.6	78.9	86	79	0.6	0.5	10.8	8.5	91	94	20	2	20	3	7	4	3.1	0.6	82	● a. Dull.	
27	1008.1	1006.8	77.4	80.7	81	77	0.7	2.2	7.4	7.4	90	n 72	20	2	20	3	6	10	x 10.2	5.3	75	Bright.	
28	1001.3	1005.7	79.8	80.4	84	79	1.3	1.0	8.1	8.8	82	87	24	2	20	2	8	100	0.5	1.4	77	● <sup>a</sup> a. Cloudy.	
29	1001.7	997.6	84.5	85.2	87	80	1.6	1.1	11.2	12.2	81	87	20	3	20	4	6	8	3.1	0.4	79	Dull.	
30	984.4	991.5	81.3	77.5	86	77	0.3	1.6	10.5	6.4	96	77	Calm	0	18	4	8	3	3.1	2.3	81	Cloudy.	
Mean	1009.4	1010.1	79.2	79.1	83.4	75.6	0.6	0.7	8.8	8.7	90	89	0.8	1.2	7.0	5.8	99.0	2.40	74.8				
Mean Barometer at Station Level.	1003.5	1004.1	x denotes the maximum and n the minimum value in the column.																				
METEOROLOGICAL OFFICE, LONDON.																							

$\alpha$  denotes the maximum and  $n$  the minimum value in the column.

METEOROLOGICAL OFFICE, LONDON,  
January 13th, 1915.

## DAILY READINGS AT METEOROLOGICAL STATIONS OF THE FIRST AND SECOND ORDERS, 1914.

## DEERNES, ORKNEY, a.b.—



FORT WILLIAM, INVERNESS-SHIRE, a.—DECEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $56^\circ 49'$  N. Long.  $5^\circ 7'$  W. Time, Greenwich mean time.

Day.	Barometer at 27° A. 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 beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.	
	Dep. of Wet.						Vapour Pressure.		Percentage.												
	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.					
	millibar.		200 +	200 +	200 +	200 +	millibar.						%	%	Dir. (0-12)	Dir. (0-12)	Tenths of Sky covered.	mm.	hr.	200 +	
1	985.1	990.2	75.4	77.4	79	75	0.7	1.0	6.4	7.1	89	86	20	5	20	5	10	10	27.7		8.5 h.-9 h.; ▲°. Squally and ° all day.
2	996.6	997.9	78.4	79.1	81	76	1.4	1.1	7.3	7.9	81	84	20	5	20	5	10	10	247.8		Squally, ° and °.
3	978.0	990.5	79.3	75.6	85	74	1.3	0.9	7.8	6.3	82	85	24	6	20	6	10	10	9.9		Squally, ° and °.
4	987.1	969.2	74.7	76.4	77	73	1.0	0.7	5.7	6.9	82	89	32	3	8	4	10	10	10.4		Showers of ▲°. ° a.; fair p.
5	978.6	994.6	76.4	77.0	78	75	0.8	2.3	6.8	5.5	88	69	24	4	24	3	10	10	2.5		Fair till 16 h., then ▲°. °; 15 h.; < all evening.
6	1000.0	974.9	72.7	76.9	78	73	1.4	1.2	4.1	6.6	68	83	4	3	8	3	10	10	29.7		°; 15 h.; < all evening.
7	974.6	976.6	78.5	79.7	80	76	1.1	1.7	7.6	7.5	86	77	20	6	20	5	10	10	44.2		°; 15 h.; < all evening.
8	977.6	987.1	78.6	76.9	80	77	0.2	0.6	8.8	7.4	97	92	20	4	20	4	10	10	22.6		Dull, fair generally.
9	995.9	1007.7	77.4	76.9	79	76	0.6	1.7	7.6	6.1	92	77	8	1	4	0	10	10	0.2		Dry and fair.
10	1006.8	1007.1	76.4	77.4	79	76	2.3	3.3	5.3	4.8	67	88	4	4	12	6	7	3	—		from S.E. most of day.
11	1003.0	999.3	78.4	79.9	80	78	3.1	2.9	5.5	6.3	63	63	12	4	24	5	8	10	0.8		Dry and chilly.
12	1005.1	1003.0	78.0	74.1	80	74	2.6	1.7	5.7	4.7	66	71	4	4	4	5	9	2	—		Squally, °.
13	991.2	984.7	76.2	77.3	77	74	1.6	1.5	6.0	6.5	77	78	4	5	4	6	10	10	3.8		Fair generally.
14	980.3	983.0	77.9	79.1	80	76	1.4	1.7	6.9	7.3	80	78	4	4	4	4	10	10	—		Fair generally.
15	987.8	995.9	78.4	76.4	80	76	1.9	1.1	6.6	6.4	75	83	4	3	8	1	10	9	—		Showery; snowing on hills.
16	1006.4	1006.8	77.4	78.5	79	73	2.2	0.6	5.9	8.2	69	92	24	2	20	3	2	10	32.5		° most of day.
17	1000.0	994.6	81.1	79.1	82	78	0.9	1.7	9.5	7.3	89	78	20	6	20	3	2	10	30.0		Dull and showery.
18	992.9	993.9	78.0	74.3	80	74	0.6	0.5	8.0	6.1	92	90	20	3	20	2	10	6	3.6		Fair generally. ≡ n.
19	993.9	991.9	74.7	70.9	76	71	0.4	0.7	6.4	4.0	93	77	12	2	Calm	0	5	0	0.8		1 inch. °.
20	990.2	993.5	72.3	73.4	75	69	0.5	0.4	5.0	5.8	87	91	Calm	0	Calm	0	10	0	2.0		
21	999.3	1007.8	70.3	71.9	74	69	0.7	0.6	3.8	4.7	77	83	Calm	0	Calm	0	10	0	—		
22	1010.8	1012.2	69.6	71.2	72	69	0.4	0.9	3.8	3.8	81	73	Calm	0	Calm	0	10	0	—		
23	1016.6	1021.0	69.4	71.7	74	69	0.3	0.9	4.0	4.2	86	74	8	1	Calm	0	10	0	—		Fine; sunny at times.
24	1024.0	1023.3	68.0	66.5	71	66	0.4	0.3	3.3	3.1	80	85	Calm	0	Calm	0	10	0	—		Fine; sunny at times.
25	1014.2	1007.8	76.9	80.1	80	66	1.8	1.4	6.1	8.1	76	82	20	3	20	3	10	0	—		∞. □ n.
26	997.6	1007.4	80.2	79.1	82	78	0.6	1.8	9.3	7.1	92	76	20	5	20	3	10	0	29.2		Rapid thaw; °.
27	986.1	988.8	76.2	75.1	79	74	0.5	1.2	7.1	5.8	92	82	20	5	20	4	10	0	13.7		° early; °; □.
28	986.8	988.5	72.8	72.4	76	71	1.0	0.8	4.6	4.6	77	78	12	1	Calm	0	7	10	13.5		° a.; ▲°. p.
29	997.6	1006.4	74.4	73.2	75	71	1.2	0.2	5.4	6.0	79	97	20	2	1	10	6	0.5			□; clear.
30	998.6	989.1	78.4	74.8	79	71	0.4	0.2	8.4	6.8	94	97	16	4	Calm	0	10	10	5.8		Alternate thaw and frost; °.
31	987.1	988.5	74.1	76.1	76	73	0.6	1.5	6.0	6.0	89	78	20	3	20	5	10	10	21.6		°; °.
Mean	995.2	995.4	75.8	75.8	78.1	73.3	1.1	1.2	6.3	6.1	82	82	3.1		2.8		8.3	6.7	35.6		Showery.
Mean Barometer at Station Level.	993.8	994.0																			

DOUGLAS, ISLE OF MAN, a.—DECEMBER 1914.

Heights above Mean Sea Level:—Station,  $H = 84.5$  m.; Barometer,  $H_b = 86.6$  m. Heights above Ground:—Therms.,  $h_1 = 1.2$  m.  
Rain-gauge,  $h_r = 0.30$  m. Lat.  $54^\circ 10' N$ . Long.  $4^\circ 28' W$ . Time, Local mean time.

Time, Local mean time.																						
1	996 <sup>3</sup>	1001 <sup>0</sup>	79 <sup>1</sup>	79 <sup>1</sup>	81	78	1 <sup>7</sup>	1 <sup>7</sup>	7 <sup>4</sup>	7 <sup>8</sup>	78	22	4	22	6	2	6	7 <sup>1</sup>	1 <sup>0</sup>	76	Squally, with $\bullet$ showers.	
2	999 <sup>6</sup>	984 <sup>7</sup>	80 <sup>8</sup>	82 <sup>1</sup>	84	79	0 <sup>9</sup>	1 <sup>8</sup>	10 <sup>8</sup>	9 <sup>1</sup>	88	78	16	6	20	8	10	8	2 <sup>0</sup>	—	76	$\bullet$ showers.
3	995 <sup>6</sup>	1000 <sup>7</sup>	78 <sup>7</sup>	78 <sup>3</sup>	82	77	1 <sup>8</sup>	1 <sup>4</sup>	6 <sup>8</sup>	7 <sup>1</sup>	76	80	24	10	24	3	10	16 <sup>8</sup>	—	77	$\bullet$ showers afternoon.	
4	985 <sup>4</sup>	974 <sup>9</sup>	78 <sup>7</sup>	78 <sup>6</sup>	83	76	0 <sup>4</sup>	1 <sup>7</sup>	10 <sup>2</sup>	7 <sup>1</sup>	94	78	13	5	24	12	10	5 <sup>6</sup>	—	76	$\bullet$ showers. $\nearrow p$ .	
5	986 <sup>4</sup>	999 <sup>0</sup>	78 <sup>0</sup>	76 <sup>9</sup>	80	76	1 <sup>7</sup>	0 <sup>8</sup>	6 <sup>8</sup>	7 <sup>1</sup>	77	88	24	8	26	3	8	—	2 <sup>9</sup>	76	$\bullet$ showers $a$ .	
6	1002 <sup>0</sup>	981 <sup>0</sup>	79 <sup>1</sup>	81 <sup>1</sup>	83	73	2 <sup>0</sup>	0 <sup>8</sup>	6 <sup>8</sup>	8 <sup>5</sup>	73	90	16	3	24	3	8	5 <sup>8</sup>	—	71	$\sim$ early. Dull. $\bullet$ 14 h.	
7	985 <sup>1</sup>	985 <sup>8</sup>	81 <sup>3</sup>	80 <sup>8</sup>	82	80	2 <sup>2</sup>	1 <sup>6</sup>	7 <sup>8</sup>	8 <sup>5</sup>	73	80	22	5	22	6	2	—	3 <sup>2</sup>	76	Cloudy and squally.	
8	988 <sup>8</sup>	995 <sup>9</sup>	81 <sup>1</sup>	80 <sup>5</sup>	82	79	2 <sup>0</sup>	1 <sup>1</sup>	8 <sup>1</sup>	8 <sup>8</sup>	75	86	20	5	20	5	7	5 <sup>6</sup>	2 <sup>6</sup>	78	Squally. $\bullet$ after 15 h.	
9	999 <sup>6</sup>	1001 <sup>0</sup>	79 <sup>0</sup>	79 <sup>4</sup>	82	77	1 <sup>0</sup>	0 <sup>3</sup>	8 <sup>1</sup>	9 <sup>1</sup>	86	96	24	1	8	2	7	—	4 <sup>0</sup>	74	$\sim$ early. Fine. $\equiv$ 23 h.	
10	1004 <sup>7</sup>	1006 <sup>4</sup>	78 <sup>6</sup>	79 <sup>1</sup>	80	77	1 <sup>0</sup>	1 <sup>0</sup>	7 <sup>8</sup>	8 <sup>1</sup>	87	86	8	2	12	6	7	—	—	74	Dull. Squally from 11 h.	
11	999 <sup>3</sup>	993 <sup>9</sup>	77 <sup>6</sup>	78 <sup>6</sup>	80	77	1 <sup>0</sup>	0 <sup>5</sup>	7 <sup>1</sup>	8 <sup>5</sup>	84	94	10	8	10	10	8	5 <sup>6</sup>	—	76	Overcast. $\nearrow$ $\bullet$ after 16 h.	
12	990 <sup>3</sup>	992 <sup>5</sup>	79 <sup>1</sup>	78 <sup>6</sup>	80	78	0 <sup>5</sup>	1 <sup>2</sup>	8 <sup>8</sup>	7 <sup>8</sup>	92	85	8	6	10	5	10	1 <sup>3</sup>	—	76	Squally and overcast.	
13	982 <sup>7</sup>	975 <sup>3</sup>	78 <sup>7</sup>	80 <sup>2</sup>	80	77	0 <sup>8</sup>	0 <sup>1</sup>	8 <sup>1</sup>	9 <sup>8</sup>	90	98	6	4	10	3	10	9 <sup>4</sup>	—	77	$\bullet$ showers. Squally before 16 h.	
14	975 <sup>9</sup>	978 <sup>6</sup>	79 <sup>1</sup>	79 <sup>0</sup>	80	79	0 <sup>1</sup>	0 <sup>2</sup>	9 <sup>1</sup>	9 <sup>1</sup>	98	98	8	2	8	1	10	3 <sup>3</sup>	—	77	Dull, with $\bullet$ showers.	
15	985 <sup>4</sup>	995 <sup>9</sup>	78 <sup>7</sup>	79 <sup>3</sup>	80	79	0 <sup>1</sup>	1 <sup>0</sup>	9 <sup>1</sup>	8 <sup>1</sup>	98	86	4	2	28	3	8	1 <sup>8</sup>	1 <sup>6</sup>	76	Fine $a$ , then cloudy.	
16	1007 <sup>8</sup>	1014 <sup>2</sup>	78 <sup>6</sup>	79 <sup>7</sup>	80	77	0 <sup>8</sup>	0 <sup>6</sup>	8 <sup>1</sup>	9 <sup>1</sup>	89	92	28	4	24	2	3	1 <sup>5</sup>	2 <sup>7</sup>	76	$\bullet$ $a$ , then fine.	
17	1009 <sup>8</sup>	1000 <sup>0</sup>	81 <sup>9</sup>	82 <sup>2</sup>	82	79	0 <sup>7</sup>	0 <sup>0</sup>	10 <sup>2</sup>	11 <sup>5</sup>	92	100	20	5	20	5	10	13 <sup>2</sup>	—	76	Continuous $\bullet$ from 11 h.	
18	997 <sup>9</sup>	996 <sup>3</sup>	79 <sup>8</sup>	76 <sup>9</sup>	83	76	0 <sup>4</sup>	0 <sup>6</sup>	9 <sup>5</sup>	7 <sup>4</sup>	96	92	22	2	24	2	7	5 <sup>8</sup>	0 <sup>5</sup>	76	Cloudy, with $\bullet$ showers.	
19	995 <sup>6</sup>	991 <sup>9</sup>	74 <sup>7</sup>	75 <sup>1</sup>	78	74	0 <sup>0</sup>	0 <sup>0</sup>	6 <sup>8</sup>	7 <sup>1</sup>	100	100	26	1	28	1	2~	0	3 <sup>8</sup>	—	71	$\blacktriangle$ $a$ . Dull. $\bullet$ showers after 16 h.
20	993 <sup>5</sup>	993 <sup>9</sup>	74 <sup>9</sup>	77 <sup>7</sup>	78	74	0 <sup>5</sup>	1 <sup>4</sup>	6 <sup>4</sup>	6 <sup>8</sup>	91	81	26	1	12	3	7	7~	3 <sup>6</sup>	3 <sup>0</sup>	71	$\blacktriangle$ early. Fine. $\sim p$ . $\{13 h.$
21	995 <sup>6</sup>	1005 <sup>7</sup>	76 <sup>9</sup>	77 <sup>9</sup>	78	76	0 <sup>0</sup>	0 <sup>6</sup>	8 <sup>1</sup>	7 <sup>8</sup>	100	92	10	4	10	2	10	4	3 <sup>8</sup>	—	71	$\bullet$ early. Squally, with $\bullet$ showers.
22	1010 <sup>1</sup>	1009 <sup>1</sup>	77 <sup>6</sup>	76 <sup>9</sup>	80	76	1 <sup>0</sup>	1 <sup>4</sup>	7 <sup>4</sup>	6 <sup>4</sup>	87	81	10	1	8	2	8	—	—	4 <sup>4</sup>	72	$\sim$ early $a$ . and $p$ . Very fine.
23	1012 <sup>5</sup>	1017 <sup>6</sup>	75 <sup>6</sup>	76 <sup>3</sup>	78	75	0 <sup>7</sup>	0 <sup>2</sup>	6 <sup>8</sup>	7 <sup>4</sup>	91	96	2	2	4	3	2~	—	—	4 <sup>5</sup>	72	$\sim$ $a$ . Fine. $\sim p$ . Fine.
24	1023 <sup>3</sup>	1023 <sup>3</sup>	72 <sup>4</sup>	78 <sup>3</sup>	79	72	0 <sup>1</sup>	1 <sup>4</sup>	5 <sup>8</sup>	7 <sup>1</sup>	96	81	28	1	16	2	2~	—	—	3 <sup>8</sup>	70	$\sim$ $a$ . and before 19 h. Fine.
25	1018 <sup>9</sup>	1011 <sup>8</sup>	79 <sup>0</sup>	79 <sup>1</sup>	80	77	0 <sup>7</sup>	0 <sup>0</sup>	8 <sup>5</sup>	9 <sup>5</sup>	91	100	16	3	12	4	10	23 <sup>6</sup>	—	71	Overcast. $\bullet$ from 11 h.	
26	1006 <sup>1</sup>	1012 <sup>5</sup>	81 <sup>9</sup>	80 <sup>2</sup>	83	76	0 <sup>4</sup>	0 <sup>8</sup>	10 <sup>8</sup>	8 <sup>8</sup>	95	89	24	4	16	3	10	7	7 <sup>9</sup>	4 <sup>2</sup>	77	$\bullet$ early. Squally. Fine.
27	993 <sup>2</sup>	992 <sup>5</sup>	79 <sup>2</sup>	76 <sup>9</sup>	82	76	1 <sup>1</sup>	1 <sup>4</sup>	8 <sup>1</sup>	6 <sup>4</sup>	85	81	22	4	26	1	8	8	4 <sup>3</sup>	0 <sup>8</sup>	74	$\bullet$ early. Squally, with $\bullet$ showers.
28	988 <sup>8</sup>	987 <sup>8</sup>	74 <sup>1</sup>	75 <sup>8</sup>	77	73	0 <sup>0</sup>	1 <sup>1</sup>	6 <sup>8</sup>	6 <sup>1</sup>	100	83	32	1	30	3	2~	10	0 <sup>5</sup>	0 <sup>7</sup>	71	$\blacktriangle$ early. $\sim$ . Dull.
29	1002 <sup>0</sup>	1010 <sup>1</sup>	76 <sup>3</sup>	75 <sup>3</sup>	78	75	0 <sup>4</sup>	0 <sup>2</sup>	7 <sup>1</sup>	7 <sup>1</sup>	93	96	30	2	26	1	7	0~	—	4 <sup>8</sup>	72	$\blacktriangle$ $a$ . Fine. $\sim$
30	1003 <sup>4</sup>	988 <sup>8</sup>	79 <sup>5</sup>	79 <sup>3</sup>	82	72	0 <sup>9</sup>	0 <sup>0</sup>	8 <sup>5</sup>	9 <sup>5</sup>	86	100	14	4	16	1	10	10	16 <sup>3</sup>	—	70	$\sim$ $a$ . $\bullet$ showers. $\bullet$ 19 h.
31	993 <sup>5</sup>	992 <sup>2</sup>	75 <sup>2</sup>	77 <sup>4</sup>	81	75	0 <sup>5</sup>	0 <sup>5</sup>	6 <sup>4</sup>	7 <sup>8</sup>	91	92	24	1	16	3	3~	8	1 <sup>8</sup>	5 <sup>0</sup>	72	$\sim$ $a$ . Very fine. $\blacktriangle$ showers.
Mean	997 <sup>9</sup>	997 <sup>2</sup>	78 <sup>4</sup>	78 <sup>6</sup>	80 <sup>7</sup>	76 <sup>3</sup>	0 <sup>8</sup>	0 <sup>8</sup>	8 <sup>0</sup>	8 <sup>1</sup>	89	89	3 <sup>6</sup>	3 <sup>7</sup>	6 <sup>6</sup>	6 <sup>7</sup>	16 <sup>3</sup>	1 <sup>6</sup>	74 <sup>1</sup>			
Mean Barometer at Station Level.	987 <sup>4</sup>	986 <sup>6</sup>																				
x denotes the maximum and n the minimum value in the column.																						

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

SHREWSBURY, SHROPSHIRE.—DECEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $52^\circ 43'$  N. Long.  $2^\circ 45'$  W. Time, Local mean time.

Day.	Barometer at 273° A. 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.									
	millibar.		200 +	200 +	200 +	200 +			millibar.	%	%	Dir. (0-12)	Dir. (0-12)	Tenths of Sky covered.		mm.	hr.	200 +	
1	1001.3	1005.7	80.0	77.4	84	76	2.1	0.5	7.4	7.8	73	92	20	4	3	2	3.8	75	Fine a. ☉ showers. R 19 h.
2	1006.4	993.2	82.4	81.9	85	77	1.7	1.1	9.1	9.8	78	86	16	5	20	8	7.1	74	☉ showers from 10 h. R 30 m.
3	1002.7	1005.7	79.1	79.1	83	78	2.3	0.0	6.4	9.5	70	100	20	5	20	9	10	75	☉ showers.
4	993.9	980.1	81.6	79.4	83	77	1.0	2.2	9.5	6.8	87	71	16	8	20	10	7	77	☉ showers from 9 h. 30 m.
5	993.9	1001.3	78.0	75.8	81	75	2.0	0.9	6.4	6.4	73	86	20	7	16	3	5	73	Cloudy.
6	1006.8	989.7	74.8	80.8	83	74	0.1	0.6	6.8	9.8	98	93	16	3	20	8	10	69	Dull from 11 h. Wild wet n.
7	991.2	991.9	82.0	79.1	84	79	0.0	1.2	11.5	7.8	100	83	20	5	20	5	10	76	☉ showers. < n.
8	996.3	1000.3	82.4	79.7	84	79	1.6	1.3	9.5	8.1	79	83	20	7	20	3	8	74	Fine and mild.
9	1001.3	1000.3	76.3	74.8	81	74	0.2	0.1	7.4	6.8	96	98	16	3	16	2	10	72	☉. Dull, then fine. ≡ 2 n.
10	1005.1	1007.8	73.0	72.4	79	72	0.0	0.5	6.1	5.1	100	85	16	2	16	2	10	71	≡ 2 a. and n.
11	1000.3	994.2	75.2	76.9	80	72	0.2	0.3	6.8	7.8	96	95	16	5	16	7	10	70	≡ a. ≡ ☉. ☉ 14 h. 30 m. - 21 h.
12	995.2	990.5	78.0	77.8	79	76	0.2	0.6	8.5	7.8	97	92	20	5	16	7	10	70	☉ a. Dull.
13	980.0	976.0	79.1	78.8	79	77	0.1	0.2	8.1	8.8	98	97	2	3	4	5	10	70	☉ a. and n. Gloomy day.
14	975.6	980.3	78.6	77.6	80	77	0.2	0.3	8.8	8.1	98	96	32	3	32	2	10	71	≡ ☉ a. Fine from noon.
15	985.8	994.6	76.3	78.6	79	74	0.5	0.6	7.1	8.5	91	92	20	5	20	3	10	76	Dull and damp a., then fine.
16	1007.4	1017.3	78.7	76.7	81	75	1.3	0.9	7.4	6.8	84	87	28	3	20	3	5	73	Cloudy. Fine starry n. ☉
17	1015.9	1007.4	80.8	81.9	82	76	1.6	1.1	8.5	9.8	80	86	20	7	20	7	8	72	Fine a. ☉ noon. ☉ 19 h.
18	1000.0	996.3	80.9	78.8	84	79	0.3	0.2	10.2	8.8	96	97	20	3	20	5	10	78	Dull a. Fine. ☉ 19 h. - midnight.
19	998.3	993.9	75.2	75.9	80	74	0.6	0.7	6.4	6.8	89	89	16	3	20	3	7	71	☉ (sleet) 11 h. - noon. ☉
20	995.6	995.2	75.1	73.9	79	73	0.5	0.1	6.4	6.4	92	97	20	2	20	3	5	69	☉. Fine. [showers.]
21	995.9	1003.4	73.6	75.2	78	73	0.0	0.3	6.4	6.8	100	95	16	2	20	5	10	72	* a. Fine afternoon. ☉ n.
22	1010.1	1008.1	73.1	72.0	77	71	0.1	0.3	6.1	5.1	98	90	20	3	20	2	7	69	☉ a. Cloudy. ≡ n.
23	1010.1	1014.2	73.4	75.1	77	71	0.4	0.1	5.8	7.1	91	98	Calm	0	16	2	7	69	☉. Fine.
24	1022.7	1025.4	72.9	70.2	78	69	0.1	0.1	6.1	4.7	98	95	Calm	0	16	3	10	69	☉ ≡ 2 a. ≡ all day.
25	1022.3	1018.9	73.8	75.9	77	68	0.2	1.1	6.1	6.1	96	83	16	5	16	7	7	67	Fine.
26	1011.5	1017.6	79.9	73.7	82	74	0.6	0.1	9.1	6.4	92	98	16	7	16	2	10	73	☉ a. Fine from 11 h.
27	1000.0	998.3	81.3	76.9	81	72	0.7	0.2	9.8	7.8	90	97	16	5	16	3	5	70	Fine a. ☉ from 14 h.
28	990.5	984.7	72.4	74.1	77	72	0.1	0.4	5.8	6.1	96	91	Calm	0	20	2	10	70	☉. ≡ till 11 h. Overcast. *
29	1002.4	1011.8	75.3	74.1	77	73	0.4	0.5	6.8	6.1	94	89	22	1	16	10	5	72	Fine. [18 h. 30 m.]
30	1008.4	994.6	73.6	80.5	81	71	0.5	0.7	5.8	9.5	91	91	16	1	16	10	5	68	Fine a. ☉. Very rough n.
31	995.2	997.6	76.6	75.5	81	74	0.3	0.8	7.4	6.4	96	87	16	2	16	4	8	74	Fine.
Mean	1000.6	1000.1	77.2	76.8	80.6	74.2	0.6	0.6	7.5	7.4	91	91	3.7	4.5	7.9	7.5	134.0	72.3	
Mean Barometer at Station Level.	992.8	992.3																	

CAMBRIDGE 2.—DECEMBER 1914.

CAMBRIDGE, a.—DECEMBER 1914.

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,  $h_r = 0.30$  m. Lat.  $52^\circ 12' N$ . Long.  $0^\circ 8' E$ . Time, Local mean time.

Rain-gauge, h <sub>r</sub> = 0.30 m.										Lat. 52 12 N.										Long. 10 10 W.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
1005.1	1010.5	81.3	80.8	85	79	2.2	1.5	7.8	8.5	73	81	16	2	16	3	2	5	—	4.9	77	Cloudy a.	Sunny 9 h.-14 h.	—	—	—	—	—	—	—	—	—
1014.5	1000.0	82.1	85.8	86	79	1.4	3.1	9.5	9.8	83	86	16	2	16	8	8	10	2.0	0.1	75	Cloudy and squally.	☉ p.	—	—	—	—	—	—	—	—	—
1005.1	1010.8	79.7	81.4	86	79	1.6	2.3	7.8	7.8	78	72	20	3	16	6-7	2	2	6.1	—	77	☉ 2 h., then ☉	Overcast.	☉	14 h.	☉	—	—	—	—	—	—
1002.7	992.5	82.8	78.1	84	78	2.0	1.8	9.1	6.8	75	76	16	6-7	16	2	2	0	4.5	—	74	Sunny 9 h.-14 h.	—	—	—	—	—	—	—	—	—	—
995.2	1000.3	76.9	74.2	79	74	1.5	0.1	6.4	6.4	79	98	16	6-7	16	2	3	100	2.0	—	67	☉	Overcast from 9 h.	—	—	—	—	—	—	—	—	—
1009.1	991.9	73.6	81.4	81	72	0.5	0.4	5.8	10.5	89	95	16	1	16	2-3	10	2	9.9	—	71	Overcast.	☉ 15 h.-20 h.	—	—	—	—	—	—	—	—	—
993.5	994.2	83.2	81.6	84	78	1.7	1.3	9.8	9.5	80	84	20	2	24	4	0	0	5.6	—	76	Beautiful day.	—	—	—	—	—	—	—	—	—	—
999.6	1004.0	80.8	79.4	84	79	1.2	0.8	8.8	8.5	84	88	16	4	16	1	10	2	23.4	—	74	Gloomy.	—	—	—	—	—	—	—	—	—	—
1002.0	997.9	77.6	79.8	81	77	0.0	0.1	8.5	9.8	100	98	14	1	28	1	10	0	0.5	—	75	☉ n.-10 h.	Cloudy.	—	—	—	—	—	—	—	—	—
1000.3	1008.4	78.7	75.3	80	75	0.3	0.6	8.8	6.4	96	89	28	2	Calm	0	100	0	—	—	67	☉	Gloomy.	☉	from 15 h.	☉	30 m.	—	—	—	—	—
1004.0	995.6	75.2	78.6	80	n 70	0.5	0.6	6.4	8.5	92	92	12	1	8	3	10	10	3.3	—	72	☉ n.	Overcast.	☉	20 h.	☉	30 m.	—	—	—	—	—
995.6	991.2	78.8	79.1	80	78	0.2	0.3	8.8	8.8	96	95	8	1	8	1	10	10	5.1	—	76	☉	all day.	—	—	—	—	—	—	—	—	—
980.7	978.6	80.8	80.8	82	79	0.5	0.9	9.8	9.1	94	89	12	1	14	3	100	10	19.1	3.0	79	☉ n.	Sunny intervals.	☉	21 h.	—	—	—	—	—	—	—
975.3	979.7	79.7	77.7	82	75	0.4	0.0	9.1	8.5	93	100	16	1	16	1	10	10	2.8	—	71	☉ n.	☉	10 h.-15 h.	Gloomy.	—	—	—	—	—	—	—
983.7	992.2	77.1	78.0	80	76	0.0	0.7	8.1	7.8	100	90	Calm	0	16	1	100	0	—	—	74	Overcast.	Fine till 15 h.	—	—	—	—	—	—	—	—	—
1004.0	1017.6	78.6	75.2	80	75	0	0.7	8.1	6.4	91	87	22	1	20	2	100	5	—	—	71	Overcast.	—	—	—	—	—	—	—	—	—	
1019.3	1013.2	77.4	81.5	82	74	0.6	1.2	7.4	9.1	91	85	16	1	20	4	100	10	7.1	0.2	76	Squally.	☉	till 15 h.	☉	16 h.	—	—	—	—	—	—
1003.4	996.9	82.2	79.1	82	77	0.8	0.0	10.5	9.5	90	100	20	5	Calm	0	100	2	2.8	—	72	Bright a., then overcast.	—	—	—	—	—	—	—	—	—	
1002.0	994.2	75.9	76.3	80	75	0.5	0.5	6.8	7.1	92	91	16	1	20	2	100	2	1.5	3.3	n 66	☉ a.	Sunny.	—	—	—	—	—	—	—	—	—
996.9	996.9	73.9	75.3	77	71	0.3	0.2	6.1	6.8	92	95	16	2	Calm	0	100	0	—	—	70	☉ n.	Gloomy.	☉	p.	—	—	—	—	—	—	—
994.6	1000.3	75.9	74.2	77	74	0.0	0.0	7.4	6.8	100	100	Calm	0	24	1	100	0	3.3	—	74	☉ n.	Gloomy till noon.	—	—	—	—	—	—	—	—	—
1006.8	1007.1	76.3	73.2	78	73	0.1	0.0	7.4	6.1	98	99	24	1	Calm	0	100	5	0.8	—	68	☉	11 h.	Gloomy.	—	—	—	—	—	—	—	—
1006.4	1012.5	73.9	74.8	76	71	0.1	0.1	6.4	6.8	99	98	24	1	28	1	100	2	3.0	—	70	Sunny	10 h.	30 m.-14 h.	☉	—	—	—	—	—	—	—
1021.0	1025.0	73.6	70.2	77	n 70	0.2	0.0	6.1	5.1	96	100	28	1	Calm	0	200	1	1.0	—	n 66	☉	☉	till 11 h.	Overcast.	—	—	—	—	—	—	—
1021.4	1024.7	71.3	74.1	n 74	n 70	0.0	0.5	5.4	6.1	100	90	16	1	12	1	100	10	8.1	—	70	☉	☉	9 h., ☉	till 13 h.	☉	—	—	—	—	—	—
1018.6	1020.0	74.7	74.1	78	n 70	0.4	0.0	6.4	6.8	92	100	16	2-3	16	1	100	10	2.8	—	69	Squally, with ☉	till noon.	[22 h.	☉	—	—	—	—	—	—	—
1002.7	999.0	79.3	80.9	84	73	0.2	0.1	9.1	10.5	97	98	12	6-7	16	3	100	2	35.8	—	77	Gloomy.	☉	14 h.	☉	2 p.	☉	—	—	—	—	—
989.5	972.6	79.6	79.6	83	80	0.5	0.1	9.1	9.5	92	99	24	1	24	2	100	2	1.2	—	73	☉	☉	15 in.	Sunny p.	—	—	—	—	—	—	—
1001.0	1012.8	75.2	74.7	80	73	0.5	0.6	6.4	6.1	91	90	24	3-4	16	1	100	10	1.3	—	n 66	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
1013.9	1004.0	73.7	80.2	80	71	0.0	1.0	5.8	8.8	89	86	16	1	12	3	100	8	1.8	—	71	☉	till noon.	☉	16 h.	—	—	—	—	—	—	—
997.3	999.0	77.6	72.1	80	72	0.3	0.0	8.1	5.8	96	100	16	2	Calm	0	100	0	—	—	71	☉	till noon.	☉	16 h.	—	—	—	—	—	—	—
Mean	1002.2	1001.4	77.7	77.7	80.7	75.0	0.6	0.6	7.8	7.9	91	91	2.1	2.1	7.8	5.5	139.0	1.32	72.3												
Mean Barometer at Station Level.	1000.6	1000.6	77.7	77.7	80.7	75.0	0.6	0.6	7.8	7.9	91	91	2.1	2.1	7.8	5.5	139.0	1.32	72.3												
☉ denotes the maximum and n the minimum value in the column.																															

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



## ARMAGH, a.—DECEMBER 1914.

Heights above Mean Sea Level:—Station, H=59.8 m.; Barometer, H<sub>b</sub>=61.6 m. Heights above Ground:—Therms, h<sub>t</sub>=1.2 m.  
Rain-gauge, h<sub>r</sub>=0.30 m. Lat. 54° 21' N. Long. 6° 39' W. Time, Dublin mean time.

Day.	Barometer at 27.3° A. 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 beginning 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.	9 h.	21 h.						
	millibar.		200 +	200 +	200 +	200 +			millibar.	%	%	Dir. m/s.	Dir. m/s.	Tenths of Sky covered.		mm.	hr.	°				
1	992.9	999.0	76.8	75.2	79	75	0.5	0.8	7.4	6.2	93	87	20	5	18	6	10	0	6.1	0.5	74	Cloudy, with • showers.
2	989.8	976.6	82.4	79.5	84	75	0.7	0.8	10.7	8.5	91	88	16	10	18	9	10	0	10.3	—	74	Overcast, with • showers.
3	995.2	998.6	76.8	75.6	81	76	1.6	1.2	6.2	6.0	87	82	20	8	20	3	0	2	6.3	1.6	75	Fine a.
4	978.3	978.0	80.1	75.8	80	75	1.0	0.6	8.7	6.8	87	91	16	4	24	6	10	0	20.8	0.3	74	• showers.
5	990.2	1001.0	76.3	73.4	78	74	0.9	0.4	6.6	5.8	86	92	24	4	24	2	1	0	0.5	2.1	73	• n. Fine. • showers.
6	996.9	978.6	77.0	76.9	80	71	1.6	0.7	6.3	7.2	87	90	12	5	18	7	10	0	12.7	—	70	Overcast. Squally 13 h.-16 h.
7	980.7	981.0	79.3	77.9	81	76	1.7	1.6	7.4	6.7	87	88	18	9	18	8	3	0	6.6	1.6	76	Cloudy.
8	985.4	992.9	78.4	77.7	80	77	0.7	0.7	8.1	7.5	91	90	18	9	18	7	10	1	1.9	—	76	Cloudy.
9	998.3	1000.3	76.3	73.0	80	73	0.8	0.6	6.7	5.3	87	87	18	3	—	0	0	9	2.0	0.9	73	Cloudy.
10	1003.4	1002.7	77.4	77.8	79	70	0.5	0.4	7.6	8.1	92	94	10	2	10	4	10	0	6.4	5.7	67	• showers a. Fine.
11	993.5	990.2	78.0	77.4	80	77	1.2	0.4	7.1	7.8	83	94	8	7	10	8	10	0	12.5	—	75	Overcast. • from 13 h.
12	994.9	991.9	78.4	76.6	79	76	0.4	0.3	8.3	7.5	94	97	6	4	4	4	10	0	11.4	—	77	Overcast. • from 15 h.
13	982.0	974.9	77.4	77.8	78	76	0.5	0.2	7.6	8.2	92	96	4	3	—	1	10	0	8.4	—	76	Overcast. • showers from 15 h.
14	975.6	978.6	78.2	78.3	79	77	0.0	0.1	8.8	8.8	99	99	—	1	—	0	10	0	8.1	—	76	Overcast. Drizzling • p.
15	987.5	998.3	78.4	75.8	80	76	0.0	0.2	8.9	7.2	100	97	—	1	—	1	10	0	0.1	—	77	Overcast.
16	1011.8	1011.8	75.2	77.8	79	75	0.8	0.6	6.2	7.8	87	91	22	2	20	5	3	10	3.0	—	72	— a. Fine.
17	1004.7	997.6	80.6	78.9	82	78	1.2	0.8	8.8	8.1	85	88	16	8	18	4	10	0	2.6	—	74	Overcast. • showers.
18	995.6	996.3	78.3	74.1	81	74	0.6	0.4	8.1	6.1	92	91	18	3	20	3	8	2	—	—	76	Overcast till 16 h.
19	993.9	991.9	70.2	73.1	74	70	0.0	0.1	4.8	6.1	98	98	—	0	20	3	10	4	1.1	—	67	— a. • (sleet) showers.
20	992.9	993.2	73.0	73.0	74	72	0.2	0.2	5.9	5.9	94	94	20	4	—	1	10	0	13.1	—	71	Overcast.
21	996.3	1005.7	73.6	73.4	75	72	0.2	0.1	6.2	6.0	97	91	—	1	—	1	10	0	—	—	72	• a. • 8 ins. Overcast.
22	1009.5	1008.1	66.3	68.3	74	66	0.1	0.3	3.2	3.7	90	87	—	1	—	0	0	0	1.5	—	63	Cloudy.
23	1014.9	1019.6	68.0	69.1	72	66	0.2	0.4	3.8	3.7	91	82	—	1	—	1	9	0	—	—	63	Cloudy.
24	1024.0	1022.0	67.5	65.8	71	65	0.2	0.4	3.6	2.7	91	80	—	1	—	0	10	0	3.1	—	65	Overcast.
25	1013.2	1006.4	76.9	80.3	81	66	0.2	0.6	7.7	9.3	96	92	14	7	16	5	10	0	11.9	—	65	Cloudy. • 20 h. 30 m.
26	1007.4	1005.7	78.4	77.8	83	78	1.6	0.7	7.1	7.0	79	86	20	5	14	7	2	10	10.3	5.0	77	Fine and mild.
27	991.5	990.8	75.5	73.3	78	74	0.3	0.7	7.0	5.4	95	86	22	4	18	3	10	0	5.0	2.2	74	• (sleet) showers a. Fine p.
28	987.5	990.2	71.9	72.7	74	72	0.2	0.3	5.4	5.0	95	95	—	1	—	0	10	0	0.9	—	72	— a. Overcast. • 16 h.-18 h.
29	1005.7	1009.1	74.4	72.3	76	72	0.6	0.4	6.1	5.2	90	88	22	3	18	3	9	0	0.5	5.0	71	Fine.
30	993.2	988.1	79.7	75.8	80	72	0.6	0.1	9.0	7.3	92	98	14	10	—	1	10	0	13.3	—	70	Overcast, with • showers.
31	990.8	988.1	73.7	73.7	76	73	0.7	0.5	5.5	5.8	86	89	18	4	16	5	0	0	7.6	5.5	72	• a. • Fine.
Mean	996.0	995.7	75.9	75.1	78.3	73.2	0.6	0.5	7.0	6.6	90	90	4.2	3.5	7.6	5.8	181.5	1.19	72.2			
Mean Barometer at Station Level.	988.6	988.2																				

## DUBLIN (PHENIX PARK), a.—DECEMBER 1914.

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

Day.	Barometer at Station Level.	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 beginning 9 h.	Sunshine.	Min. Temp. on Grass.	Remarks.									
		Dep. of Wet.		Vapour Pressure.		Percent- age.		9 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.													
1	995.9	1001.7	76.6	77.3	81	0.7	1.5	7.1	6.4	91	78	20	2	20	3	5	0	2.5	2.3	75	• showers a. and p. Cloudy.							
2	993.9	984.1	84.5	79.8	85	2.7	2.0	9.5	7.4	87	74	20	3	20	3	10	0	16.5	—	74	• a. and p. Overcast. * p.							
3	998.6	999.3	76.5	78.5	81	0.9	1.5	6.8	7.1	87	81	24	3	20	2	4	10	15.0	1.1	74	• showers 5 h. Cloudy.							
4	981.4	983.4	80.2	76.8	82	0.6	1.2	8.1	6.8	81	84	20	3	20	3	9	9	3.8	1.4	76	• till 6 h. Cloudy. * p.							
5	992.5	1003.0	75.2	76.4	77	0.6	0.6	6.4	7.1	91	90	20	2	Calmed	3	6	0	—	2.6	74	Cloudy.							
6	999.0	981.7	78.1	80.8	85	1.9	1.6	6.4	8.5	74	79	Calmed	0	20	2	9	4	3.1	—	68	Cloudy. • p.							
7	984.1	984.7	80.2	79.4	82	2.7	2.1	7.4	7.1	72	73	20	3	20	3	3	0	—	3.4	76	Fine.							
8	987.8	995.2	79.6	79.1	82	2.7	2.0	1.7	7.1	7.4	74	20	3	20	3	4	0	2.4	2.3	76	Cloudy. • p.							
9	998.3	999.3	73.0	71.9	82	0.1	0.3	6.1	5.1	99	92	Calmed	0	Calmed	0	3	0	5.1	4.9	69	Fine.							
10	1002.0	1002.0	77.4	79.1	82	0.1	0.7	8.1	8.5	98	91	Calmed	0	Calmed	0	10	0	2.0	4.3	68	• a. Fine. • p.							
11	991.5	988.1	79.6	79.2	81	1.7	0.4	7.4	8.8	77	94	8	2	8	2	10	0	29.7	—	77	• a. and p. Overcast.							
12	992.2	988.5	80.6	79.4	81	2.7	1.0	1.5	9.1	7.4	87	79	4	2	4	2	10	0	4.3	—	78	Cloudy.						
13	981.0	973.6	79.1	77.2	80	0.7	0.3	8.5	7.8	91	97	4	2	Calmed	0	10	0	5.2	—	77	• a. and p. Overcast.							
14	974.9	978.6	77.0	76.3	78	0.6	0.1	8.1	7.8	98	99	Calmed	0	Calmed	0	10	0	—	—	76	Overcast.							
15	985.8	997.3	77.4	78.1	80	0.6	0.1	8.1	8.5	99	98	Calmed	0	Calmed	0	10	0	0.4	—	76	Overcast. • p.							
16	1012.5	1016.6	74.8	78.8	80	0.6	0.6	6.4	8.5	90	92	Calmed	0	Calmed	0	7	0	—	4.8	72	Fine.							
17	1008.8	999.0	81.9	81.9	84	2.7	1.7	0.6	8.8	10.5	78	91	20	3	Calmed	0	10	3.1	—	76	• a. and p. Overcast.							
18	997.3	996.9	79.5	74.1	83	1.5	0.5	7.8	6.1	79	91	Calmed	0	Calmed	0	8	0	0.6	1.4	72	• a. and p. Cloudy.							
19	993.2	993.2	77.3	73.9	77	0.0	0.5	5.4	6.1	98	91	Calmed	0	Calmed	0	8	0	0.5	0.8	67	• a. and p. Cloudy.							
20	993.2	991.5	70.8	74.1	77	0.2	0.0	4.7	6.4	93	99	Calmed	0	Calmed	0	3	10	8.1	2.3	67	Dull. * • p.							
21	996.9	1005.7	71.8	70.7	72	0.2	0.0	5.4	5.1	94	98	20	2	Calmed	0	10	0	—	1.3	72	Dull.							
22	1008.8	1006.8	65.2	77.3	77	0.1	1.6	3.0	6.4	93	77	Calmed	0	Calmed	0	0	4	—	1.6	65	Dull.							
23	1012.2	1018.9	72.7	74.5	78	0.1	0.5	5.8	6.1	98	92	Calmed	0	Calmed	0	2	3	—	3.5	67	Cloudy.							
24	1023.0	1021.7	68.8	73.0	75	0.7	0.1	0.8	4.4	5.1	95	81	Calmed	0	Calmed	0	5	10	2.6	68	Cloudy.							
25	1014.2	1007.8	79.6	82.2	82	1.7	1.8	7.4	9.1	77	79	20	2	20	2	7	8	7.9	0.6	70	Cloudy.							
26	1009.1	1008.4	79.2	80.2	84	1.3	1.7	7.8	8.2	78	82	Calmed	0	20	3	6	10	6.6	4.7	76	• till 4 h. Fine.							
27	993.2	991.9	77.9	74.6	85	1.2	0.8	7.1	5.8	84	86	20	2	Calmed	0	7	3	1.8	0.6	75	• till 6 h. Cloudy.							
28	987.1	988.8	74.4	73.5	77	0.1	0.1	5.4	6.4	96	99	Calmed	0	Calmed	0	7	10	27.9	—	71	Overcast. • p. *							
29	1004.0	1010.8	72.6	73.5	75	0.2	0.9	5.8	5.1	97	81	4	2	Calmed	0	3	0	—	6.2	72	Fine.							
30	996.3	988.5	80.7	76.3	82	1.6	0.1	8.1	7.4	79	98	20	2	Calmed	0	7	10	11.0	—	69	• a. and p. Overcast.							
31	992.2	989.5	75.2	76.3	79	1.6	1.7	5.4	5.8	75	76	Calmed	0	Calmed	0	0	2	8.0	6.3	70	Fine.							
Mean	996.8	996.7	76.4	76.9	80.2	73.5	0.9	0.9	6.9	7.1	87	87	1.2	0.9	6.5	—	5.4	165.5	1.90	72.4	—							
	990.8	990.7					x denotes the maximum and n the minimum value in the column.																					
METEOROLOGICAL OFFICE, LONDON.																												
1915.																												



1914.	Mean Pressure corrected to 32° F. and Lat. 46°.		TEMPERATURE.			AIR TEMPERATURE IN DEGREES FAHRENHEIT.												HUMIDITY.								
	Station Level.	Mean Sea Level.	7 a.m.	1 p.m.	9 p.m.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.			
						Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	7 a.m.	1 p.m.	9 p.m.	7 a.m.	1 p.m.	9 p.m.	7 a.m.	1 p.m.	9 p.m.	
Jan.	mb.	mb.	°	°	°	°	°	°	°	24, 25, 30	°	2, 6	°	14th	°	2, 10	1° 8	1° 6	1° 8	mb.	mb.	mb.	%	%	%	
Feb.	990° 5	92° 8	43° 9	44° 2	44° 7	47° 4	40° 1	43° 8	52	1, 2	35	12th	44	12, 16, 22	45	2, 28	2° 1	2° 3	2° 0	8° 3	8° 5	8° 5	84	83	86	
March	995° 2	97° 4	41° 4	44° 4	42° 8	46° 0	38° 8	42° 4	50	30, 31	32	10th	41	9, 19	46	31st	1° 5	2° 1	1° 6	7° 8	8° 3	8° 1	89	84	88	
April	010° 6	12° 7	46° 6	48° 8	47° 5	50° 2	44° 6	47° 4	56	17th	39	14th	46	6th	49	20th	1° 6	2° 4	2° 2	9° 5	9° 8	9° 3	89	83	84	
May	015° 2	17° 0	47° 3	49° 7	47° 3	50° 9	44° 3	47° 6	55	16, 17, 26	36	9th	44	9th	49	18, 29	2° 3	3° 2	2° 5	9° 1	9° 4	9° 1	84	79	85	
June	016° 6	18° 4	51° 6	54° 7	52° 1	56° 6	48° 8	52° 7	64	17th	42	8th	51	7th	54	30th	1° 7	2° 5	1° 8	11° 5	12° 2	11° 6	88	83	87	
July	008° 3	10° 0	54° 8	57° 5	55° 5	59° 2	52° 4	55° 8	73	20th	46	26th	51	25th	59	12th	0° 8	1° 4	1° 0	13° 7	14° 6	14° 0	94	91	94	
Aug.	010° 5	12° 2	56° 1	58° 9	56° 9	60° 6	53° 7	57° 2	73	14th	49	30, 31	54	5th	60	15th	1° 4	2° 5	1° 7	13° 9	14° 2	14° 0	90	84	89	
Sept.	013° 0	14° 6	54° 0	56° 0	54° 1	57° 8	51° 1	54° 5	68	8th	44	20th	54	13, 20, 29	58	9th	2° 1	3° 0	2° 2	12° 1	12° 4	12° 1	85	81	84	
Oct.	013° 9	15° 5	51° 8	53° 1	51° 8	54° 3	49° 5	51° 9	58	5th	44	28, 29	50	28th	54	1st	2° 0	2° 6	2° 1	11° 3	11° 3	11° 2	87	82	86	
Nov.	004° 1	05° 8	46° 5	48° 1	47° 2	49° 9	42° 6	46° 3	56	9th	32	14th	41	15th	52	9th	2° 5	3° 0	2° 8	8° 8	8° 9	8° 8	82	79	81	
Dec.	991° 1	92° 8	42° 8	43° 8	43° 2	45° 9	38° 4	42° 2	51	2, 17	34	5, 28	42	4, 5, 28	43	26th	2° 3	2° 9	2° 7	7° 6	7° 5	7° 5	83	77	80	
Year	006° 8	08° 7	48° 3	50° 4	48° 9	52° 1	45° 4	48° 8	73	...	32	...	38	...	60	...	1° 8	2° 5	2° 0	10° 2	10° 5	10° 2	87	83	86	

ABERDEEN OBSERVATORY,\* a. e.

Lat.  $57^{\circ} 10' \text{ N.}$  Long.  $2^{\circ} 6' \text{ W.}$  Gravity Correction,  $+1.0 \text{ mb.}$  Heights above Mean Sea Level:  $H = 46 \text{ ft.}; H_b = 88 \text{ ft.}$

			9 a.m.	3 p.m.	9 p.m.												9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.
Jan.	012°6	15°9	38°0	40°6	39°9	42°7	35°9	39°3	54	25th	29	15th	36	13th	42	25th	2°3	2°7	2°3	6°3	6°9	7°0	8°1	79	81	83	85	87
Feb.	994°1	97°4	40°7	44°9	42°9	46°5	38°4	42°5	53	2nd	31	25th	42	19th	47	4th	2°1	3°0	1°9	7°2	8°0	8°1	83	79	85	87	89	
March	994°5	97°8	40°0	43°4	39°8	44°5	35°4	40°0	56	31st	29	10th	40	8th	44	31st	2°6	3°5	2°1	6°7	7°2	7°0	80	76	84	86	88	
April	010°5	13°7	48°6	52°2	46°4	53°8	40°1	47°0	68	20th	34	4th	44	30th	46	22nd	4°4	6°1	3°6	8°3	8°6	8°1	72	65	76	78	80	
May	013°5	16°7	49°9	52°6	47°8	55°1	41°9	48°5	71	18th	31	25th	42	9th	53	18th	4°5	5°8	3°3	8°8	9°0	8°8	72	67	78	80	82	
June	014°6	17°8	55°5	57°7	54°0	60°5	47°9	54°2	78	30th	38	3rd	52	8th	56	30th	4°4	5°4	3°3	11°1	11°3	11°3	74	71	80	82	84	
July	005°9	09°0	57°7	59°5	56°2	62°3	52°6	57°5	74	21st	46	4th	56	25th	57	15th	3°2	3°9	2°4	13°2	13°4	13°1	81	77	85	87	89	
Aug.	011°2	14°3	57°9	59°9	56°4	62°3	52°0	57°2	75	23rd	45	8th	56	30th	57	23rd	3°7	4°5	2°7	12°7	13°1	12°8	78	75	83	85	87	
Sept.	011°3	14°6	54°2	58°3	52°7	59°7	46°8	53°3	68	1st	40	6th	49	29th	57	10th	4°0	5°7	3°2	10°9	11°4	10°9	75	68	80	82	84	
Oct.	013°8	17°0	49°1	52°6	48°8	53°7	44°0	48°9	63	5th	32	15th	47	28th	52	7th	2°1	3°4	1°8	10°2	10°5	10°3	85	79	88	90	92	
Nov.	003°9	07°2	43°0	44°9	43°2	47°3	39°3	43°3	57	9th	27	15th	35	14th	51	9th	1°7	2°2	2°0	8°4	8°7	8°3	86	83	85	87	89	
Dec.	993°2	96°5	37°5	39°6	38°0	41°8	33°8	37°8	50	2nd	23	25th	29	21st	42	8th	2°1	2°5	1°9	6°3	6°6	6°5	81	80	83	85	87	
Year	006°6	09°8	47°7	50°5	47°2	52°5	42°3	47°4	78	...	23	...	29	...	57	...	3°1	4°1	2°5	9°2	9°6	9°4	79	75	82	84	86	

ESKDALE OBSERVATORY, DUMFRIESSHIRE.\*

Lat. 55° 19' N. Long. 3° 12' W. Gravity Correction, +0.9 mb. Heights above Mean Sea Level: H=799 ft.; H<sub>b</sub>=778 ft.

			9 a.m.	3 p.m.	9 p.m.												9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.
Jan.	989°1	18°5	35°4	38°0	37°1	39°9	32°2	36°1	48	8, 9, 30	23	1, 7	32	12, 13, 23	45	9th	1°0	1°7	1°2	6°4	6°8	6°8	88	84	87	87	87	87
Feb.	970°9	99°6	37°9	42°3	40°1	44°2	34°4	39°3	48	1st	22	25th	40	18th	45	2nd	1°0	1°9	1°0	7°2	7°9	7°8	91	86	92	91	86	92
March	970°7	99°5	36°6	41°5	37°1	43°5	31°8	37°7	53	31st	19	10th	34	8th	44	31st	1°4	2°9	1°3	6°4	7°0	6°7	87	80	88	87	80	88
April	987°2	15°9	47°5	52°6	41°4	54°4	33°8	44°1	67	21st	25	15th	45	12th	41	1, 24	3°8	6°9	2°3	8°3	8°2	7°3	76	63	82	76	63	82
May	989°2	17°9	47°8	52°1	45°1	54°0	38°5	46°3	67	15th	29	10th	42	9th	49	21st	3°3	4°9	2°3	8°9	9°3	8°6	78	71	83	78	71	83
June	989°9	18°1	55°8	60°4	51°9	62°1	43°9	53°0	77	17th	30	1st	50	8th	57	29th	4°3	6°3	2°7	11°4	11°9	10°9	75	67	82	75	67	82
July	982°4	10°3	57°8	61°8	54°8	63°8	47°8	55°8	79	21st	34	4th	52	25th	56	21st	3°7	5°5	2°3	12°8	13°2	12°5	78	70	85	78	70	85
Aug.	987°0	15°0	57°2	61°9	53°6	63°4	47°2	55°3	79	14th	40	28th	57	4th	54	23rd	2°9	5°3	1°7	13°1	13°3	12°4	82	72	89	82	72	89
Sept.	988°3	16°9	52°3	56°8	48°9	58°8	42°6	50°7	71	10th	27	30th	51	12th	56	9th	2°5	4°7	1°9	11°4	11°5	10°5	84	73	86	84	73	86
Oct.	988°5	17°2	47°0	51°2	45°3	52°4	39°5	46°0	58	8th	28	19th	46	30th	48	16th	1°6	3°1	1°3	9°8	10°2	9°3	89	80	90	89	80	90
Nov.	980°3	09°3	40°8	42°8	39°3	45°7	35°4	40°6	54	9th	21	14th	35	15th	50	9th	1°3	2°1	1°3	8°0	8°0	7°5	88	84	88	88	84	88
Dec.	968°8	97°7	35°5	37°4	36°3	40°4	31°8	36°2	47	2nd	22	19th	33	20th	41	7th	1°2	1°6	1°2	6°3	6°6	6°5	87	86	89	87	86	89
Year	982°7	11°3	46°0	49°9	44°2	51°9	38°2	45°1	79	...	19	...	32	...	57	...	2°3	3°9	1°7	9°2	9°5	8°9	84	76	87	84	76	87

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

		Rainfall.			Bright Sunshine.		Amount of Cloud, 0-10.			Number of days of		Weather, No. of Days of										Wind, No. of Observations for the month.											
		Total.	Max.	Day.	Daily Mean.	Total.	Per cent.	7 a.m.	1 p.m.	9 p.m.	Clear Sky.	Overcast.	Precipitation.	Precipitation 0.04 or more.	Snow.	Snow lying.	Hail.	Thunder Storm.	Fog.	Ground Frost.	Gale.	Force 8 or more.	Wind Force 8 and above.	Strong Wind (4-7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1914.	Jan.	in.	in.	8th	hr.	hr.	%	8.5	8.9	8.1	0	21	18	13	2	...	7	0	0	...	5	0	67	3	1	2	11	23	12	15	21	5	
	Feb.	2.15	0.50		0.33	10	5	8.5	8.9	8.1	0	17	27	25	1	...	6	3	0	...	4	4	61	6	2	1	2	16	23	18	12	4	
	March	5.05	0.49	10th	0.68	19	7	8.7	8.8	7.9	1	11	23	19	5	...	7	1	0	...	2	1	48	7	11	2	6	18	10	8	21	10	
	April	3.42	0.34	11, 13, 30	3.83	119	33	7.0	7.5	6.2	1	9	17	13	0	...	5	0	0	...	1	1	61	3	1	3	6	11	12	24	21	9	
	May	2.48	0.45	5th	4.63	139	33	8.0	6.6	6.6	1	9	17	13	0	...	2	0	0	...	0	0	54	4	9	0	4	9	9	17	24	17	
	June	1.36	0.32	19th	5.52	171	34	8.0	6.7	8.2	0	15	17	9	0	...	1	0	4	...	0	0	46	5	10	1	0	4	5	12	27	26	
	July	1.25	0.27	19th	6.60	198	38	8.2	6.6	6.1	1	13	15	10	0	...	0	0	2	...	0	0	42	3	6	5	17	14	5	6	15	22	
	Aug.	3.24	0.93	1st	4.55	141	27	8.5	7.9	7.0	0	14	19	12	0	...	0	0	1	...	0	0	45	12	0	5	12	13	7	25	12	7	
	Sept.	4.00	0.50	25th	5.19	161	35	7.4	6.9	7.2	0	11	16	16	0	...	0	0	3	...	0	0	54	4	5	2	10	9	16	13	19	12	
	Oct.	3.05	0.78	22nd	3.37	101	27	8.5	8.1	7.6	0	16	16	14	0	...	0	0	0	...	0	0	55	6	4	3	10	17	16	12	13	12	
	Nov.	2.67	0.59	11th	1.84	57	18	8.4	8.0	7.9	0	19	20	12	0	...	5	1	0	...	4	1	54	5	5	10	10	8	9	19	18	6	
	Dec.	3.53	0.34	29th	0.97	29	12	8.0	8.1	7.7	0	12	25	22	1	...	8	2	0	...	6	2	64	1	6	9	15	12	13	20	11	6	
		5.63	0.70	6th	0.84	26	13	7.4	7.4	6.6	0	10	25	22	2	...																	
Year		37.83	0.93	...	3.20	1171	27	8.1	7.6	7.3	3	168	238	187	11	...	42	7	10	...	22	9	651	59	60	43	103	154	137	189	214	136	

ABERDEEN OBSERVATORY, a, e.

Heights above Ground:  $h = 41$  ft.;  $h_s = 2$  ft.;  $h_a = 75$  ft.;  $h_b = 72$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 24 h.

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ESKDALE OBSERVATORY, DUMFRIESSHIRE.

Heights above Ground:  $h_1 = 2$  ft. 8 ins.;  $h_2 = 1$  ft.;  $h_3 = 4$  ft. 11 ins.;  $h_4 = 49$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 24 h.

Mo.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year																			
5'09	0'82	4th	0'89	28	12	9 a.m.	8'6	3 p.m.	8'7	1	22	19	14	2	4	0	0	0	...	3	4	36	16	4	12	6	4	14	27	6	4
8'50	0'87	20th	0'89	25	9	8'7	9'2	8'1	0	20	26	24	5	0	3	0	2	...	5	2	57	15	0	1	1	6	36	23	2	0	
6'20	0'86	13th	2'68	83	23	8'2	8'0	6'8	1	16	25	23	10	2	3	0	1	...	0	0	41	18	4	11	2	4	17	16	16	5	
3'08	0'77	5th	6'47	194	46	5'8	5'4	4'9	8	9	15	12	0	0	3	0	0	...	0	0	43	15	3	5	2	5	11	31	15	3	
2'88	0'53	3rd	4'35	135	27	8'4	8'1	7'4	0	18	16	13	0	0	1	0	1	...	0	0	35	21	6	9	0	2	13	20	15	7	
1'59	0'50	17th	6'83	205	40	7'4	6'9	6'0	0	12	14	8	0	0	1	2	1	...	0	0	43	8	11	17	2	2	7	19	13	11	
3'24	1'02	1st	4'45	138	27	8'2	8'4	7'6	0	19	14	10	0	0	0	1	0	...	0	0	25	24	3	8	3	8	12	12	14	9	
6'52	1'59	8th	5'10	158	35	7'4	7'5	6'5	0	14	18	16	0	0	0	0	1	...	0	0	32	25	3	7	1	3	24	24	4	2	
3'53	0'81	8th	4'60	138	37	6'8	7'0	5'3	2	9	15	11	0	0	2	2	2	...	1	0	35	17	11	6	1	3	11	23	11	7	
1'80	0'59	25th	2'23	69	22	7'6	8'0	6'8	0	15	15	10	0	0	0	0	5	...	0	0	23	29	10	16	3	3	11	5	12	4	
7'94	1'86	29th	2'20	66	27	6'8	7'4	7'6	1	13	23	19	1	2	1	0	1	...	2	1	40	20	8	11	4	3	11	20	8	5	
7'87	1'18	4th	0'74	23	11	7'7	8'1	7'7	0	17	21	17	8	2	5	1	2	...	1	1	51	19	6	12	7	3	17	21	6	2	
58'24	1'86	...	3'46	1262	29	7'6	7'7	7'0	13	184	221	177	26	10	19	6	16	...	14	8	461	227	69	115	32	46	184	241	122	59	

$h_t$  refers to bulbs of thermometers,  $h_r$  to rain-gauge rim,  $h_s$  to sunshine recorder, and  $h_a$  to vane or cups of anemometer.



		Mean Pressure corrected to 32° F. and Lat. 45°.		TEMPERATURE.			AIR TEMPERATURE IN DEGREES FAHRENHEIT.												HUMIDITY.										
1914.		Station Level.	Mean Sea Level.	9 a.m.	3 p.m.	9 p.m.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.					
							Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	% a.m.	% p.m.	% p.m.
Jan.	mb. 004° 1	mb. 19° 6	37° 7	40° 3	38° 7	42° 2	34° 5	38° 4	53	31st	25	23rd	33	12, 19	49	9th	1° 4	2° 1	1° 6	mb.	mb.	mb.	% 86	% 83	% 85				
Feb.	987° 7	02° 9	42° 5	47° 5	44° 5	49° 9	38° 9	44° 4	56	3rd	30	25th	42	17, 24	48	2, 3	2° 3	4° 3	2° 1	7° 8	8° 0	8° 5	83	72	85				
March	985° 5	00° 7	40° 7	45° 6	41° 4	47° 8	36° 8	42° 3	60	30th	29	10th	42	9, 19	51	31st	1° 6	3° 8	1° 7	7° 6	7° 7	7° 8	87	74	86				
April	002° 1	17° 4	48° 6	56° 1	46° 1	57° 7	39° 7	48° 7	71	22nd	33	15th	49	7, 30	44	1, 25	3° 5	7° 5	2° 8	9° 0	9° 0	8° 6	77	60	80				
May	003° 3	18° 5	50° 8	55° 5	48° 5	57° 5	42° 6	50° 1	70	17th	29	2nd	47	1, 9	54	21st	3° 6	5° 7	2° 9	9° 8	10° 1	9° 4	77	68	81				
June	002° 9	17° 8	58° 5	63° 9	55° 1	65° 9	48° 5	57° 2	81	30th	38	3rd	51	9th	59	29th	4° 8	7° 2	3° 0	12° 2	12° 8	12° 1	73	65	81				
July	996° 1	10° 8	60° 6	65° 2	58° 8	67° 6	53° 1	60° 4	82	21st	46	31st	55	25th	61	21st	4° 1	6° 0	2° 5	13° 8	14° 6	14° 3	77	69	84				
Aug.	001° 1	15° 9	60° 4	66° 5	57° 9	68° 5	52° 5	60° 5	77	14th	45	8, 12	63	2, 4, 7	60	9, 24	3° 4	6° 7	2° 3	14° 2	14° 5	14° 0	80	66	85				
Sept.	002° 5	17° 5	54° 6	61° 6	52° 8	63° 5	46° 9	55° 2	78	3rd	34	30th	55	20th	57	9, 10	3° 0	6° 4	2° 0	11° 9	12° 4	12° 0	81	66	86				
Oct.	001° 6	16° 8	48° 8	53° 6	48° 6	55° 4	44° 9	50° 2	63	3rd	38	20th	49	31st	53	3rd	1° 5	3° 6	1° 5	10° 5	10° 8	10° 4	90	78	90				
Nov.	994° 9	10° 1	42° 7	45° 4	42° 5	47° 7	38° 3	43° 0	57	30th	28	21st	35	15th	52	9th	1° 3	2° 4	1° 3	8° 6	8° 7	8° 4	89	83	89				
Dec.	984° 3	99° 5	38° 8	41° 1	38° 9	43° 5	35° 3	39° 4	53	2nd	23	25th	36	28th	43	7, 18	1° 3	1° 8	1° 1	7° 2	7° 5	7° 3	89	86	90				
Year	997° 2	12° 3	48° 7	53° 5	47° 8	55° 6	42° 7	49° 2	82	...	23	...	33	...	61	...	2° 7	4° 8	2° 1	10° 0	10° 3	10° 0	82	73	85				

LOWESTOFT, SUFFOLK,\* a.

Lat. 52° 29' N. Long. 1° 45' E. Gravity Correction, +0.7 mb. Heights above Mean Sea Level: H = 83 ft.; H<sub>0</sub> = 77 ft.

Jan.	017'9	20'8	38'1	39'1	37'6	41'3	33'2	37'3	53	9, 29	25	24th	34	24th	41	9, 29, 30	1'4	1'9	1'2	7'0	6'9	6'9	86	84	88	37
Feb.	006'7	09'7	45'3	45'9	42'5	48'6	38'3	43'5	58	14th	31	28th	43	18th	43	1, 14	2'1	2'4	1'3	8'8	8'7	8'4	85	83	90	42
March	999'8	02'7	45'9	47'0	42'6	50'0	37'2	43'6	65	31st	30	11th	44	27th	47	31st	2'8	3'3	1'3	8'6	8'7	8'5	81	78	90	49
April	016'4	19'3	51'9	52'4	47'9	55'3	41'5	48'4	65	1st	35	16th	49	15th	46	2, 18, 23	3'8	3'3	1'8	9'9	10'5	9'9	76	78	87	54
May	016'0	18'9	54'3	54'2	49'8	56'6	44'9	50'8	68	22nd	36	28th	48	1st	53	22nd	4'1	4'1	1'6	10'8	10'8	10'8	75	74	88	60
June	014'6	17'5	58'7	58'6	54'3	61'1	50'8	56'0	72	30th	40	8th	54	3, 8	61	30th	3'9	3'9	2'0	13'1	13'1	12'5	77	78	87	65
July	008'8	11'6	65'3	64'1	59'5	67'6	55'4	61'5	78	22nd	49	31st	59	30th	63	20th	4'6	3'9	1'4	15'9	15'9	15'9	75	79	91	64
Aug.	014'5	17'4	66'0	65'9	61'0	68'5	56'7	62'6	77	9th	49	18th	61	18th	63	25th	3'8	3'6	1'7	17'1	17'3	16'4	79	80	90	59
Sept.	015'2	17'9	61'5	61'8	57'5	63'9	52'6	58'3	72	14th	45	30th	55	19, 20, 21	64	8th	4'4	4'4	2'5	14'1	14'3	13'7	75	76	84	64
Oct.	013'5	16'2	55'0	55'2	52'0	57'4	48'4	52'9	67	3rd	37	28th	52	29th	54	15, 16	2'9	3'2	1'9	12'1	11'9	11'5	82	80	87	57
Nov.	008'9	11'7	47'3	47'3	44'9	49'8	41'0	45'4	59	3rd	30	15th	38	19th	53	6th	1'4	1'4	1'0	10'3	10'2	9'6	90	90	92	45
Dec.	000'0	02'8	42'6	43'4	42'0	46'7	37'9	42'3	54	7th	24	25th	40	23, 25	47	1st	1'3	1'3	1'2	8'4	8'7	8'2	90	90	90	47
Year	011'0	13'9	52'7	52'9	49'3	55'6	44'8	50'2	78	...	24	...	34	...	64	...	3'0	3'1	1'6	11'3	11'4	11'0	81	81	89	51

KEW OBSERVATORY, SURREY,\* a, e.

Lat. 51° 28' N. Long. 0° 19' W. Gravity Correction, +0.6 mb. Heights above Mean Sea Level: H = 18 ft.; H<sub>0</sub> = 34 ft.

Jan.	020°3	21°5	37°5	40°7	39°2	42°1	34°7	38°4	55	9th	19	24th	32	23rd	50	9th	1°7	2°8	2°1	6°7	7°0	7°0	83	78	82	377
Feb.	006°8	08°1	42°9	48°9	44°2	50°6	38°8	44°7	57	14th	28	28th	41	25th	50	14th	1°7	3°9	1°9	8°4	8°8	8°6	87	75	86	424
March	002°7	04°0	43°6	48°3	43°6	50°2	38°1	44°2	62	31st	29	22, 28	39	20th	50	5th	2°4	4°6	2°3	8°0	8°1	8°1	82	71	83	439
April	018°0	19°3	51°1	58°3	49°7	59°4	41°4	50°4	73	21st	35	26th	51	7th	47	6th	4°4	8°2	3°9	9°2	9°4	9°0	73	58	75	487
May	018°2	19°5	54°4	60°0	53°2	61°7	45°4	53°6	79	22nd	37	26th	49	9th	52	22nd	5°1	8°0	4°2	10°2	10°5	10°4	69	60	74	533
June	016°3	17°6	59°7	67°2	59°7	69°7	51°0	60°4	84	30th	40	8th	56	8th	59	30th	5°1	9°4	4°6	12°5	12°6	12°9	72	57	74	594
July	011°1	12°3	63°7	68°3	62°4	71°4	55°5	63°5	89	1st	49	29th	62	29th	63	2nd	4°9	8°0	4°2	14°8	14°5	14°7	73	62	76	618
Aug.	016°1	17°3	63°2	69°7	62°3	71°8	54°9	63°4	80	24th	47	18th	65	8th	62	9th	3°6	8°5	3°6	15°6	14°8	15°1	80	61	79	654
Sept.	017°8	19°0	56°8	65°7	56°0	66°9	48°4	57°7	80	7th	36	23rd	56	20th	60	10th	3°9	9°4	3°5	12°3	12°0	12°2	77	55	78	573
Oct.	015°2	16°4	51°1	57°3	51°3	58°3	45°6	52°0	65	1st	33	12th	53	28th	53	25th	2°3	5°5	2°3	10°9	11°0	10°9	85	69	84	542
Nov.	011°1	12°3	44°9	49°5	44°9	50°8	40°4	45°6	61	5th	29	19th	39	20, 21, 23	51	30th	2°1	4°0	1°9	8°8	9°1	8°9	85	74	85	449
Dec.	001°8	03°0	42°3	45°3	42°0	46°9	37°8	42°4	55	2nd	29	25th	36	25th	47	1st	1°8	2°7	1°8	8°0	8°4	7°9	86	81	86	419
Year	013°0	14°2	50°9	56°6	50°7	58°3	44°3	51°3	89	...	19	...	32	...	63	...	3°3	6°3	3°0	10°5	10°5	10°5	79	67	80	504

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

HUDDERSFIELD, YORKSHIRE.

Heights above Ground:  $h_t = 4$  ft.;  $h_r = 1$  ft.;  $h_s = 8$  ft. 6 ins. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 21 h.

Earth Temp.	Rainfall.			Bright Sunshine.			Amount of Cloud, 0—10.			Number of days of		Weather, No. of Days of										Wind, No. of Observations for the month.											
	Total.	Max.	Day.	Daily Mean.	Total.	Per cent.	9 a.m.	3 p.m.	9 p.m.	Clear Sky.	Overcast.	Precipitation.	Precipitation 0.04 or more.	Snow.	Snow lying.	Hail.	Thunder Storm.	Fog.	Ground Frost.	Gale.	Force 8 or more.	Wind Force 8 and above.	Strong Wind (4—7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
1914.	in.	in.		hr.	hr.	%																											
Jan.	2.93	0.90	4th	0.65	20	8	7.5	8.6	8.5	2	21	19	12	3	1	1	0	0	10	2	1	18	10	6	10	15	1	5	13	23	10		
Feb.	2.57	0.50	14, 21	2.71	76	28	5.1	6.5	6.6	2	5	16	13	2	0	0	0	0	6	1	1	17	8	0	0	1	6	23	22	21	3		
March	3.76	0.65	24th	2.45	76	21	7.4	7.6	6.5	0	12	25	22	2	0	0	0	0	9	3	1	20	13	4	5	2	9	6	4	42	8		
April	1.29	0.34	6th	6.67	200	48	4.5	4.4	2.3	9	0	12	6	0	0	1	2	1	5	1	1	18	18	1	3	10	4	5	11	26	12		
May	1.57	0.22	23rd	4.19	130	29	7.7	6.8	5.9	2	13	15	9	0	0	0	1	0	6	0	0	9	13	8	10	5	3	3	7	30	14		
June	2.71	0.88	9th	7.27	218	43	5.3	5.6	4.7	6	5	14	10	0	0	0	3	0	0	0	0	13	12	7	18	2	4	1	7	23	16		
July	2.69	0.85	1st	3.84	119	24	7.1	8.1	7.3	1	16	15	11	0	0	0	3	1	0	1	1	11	16	4	7	7	5	8	6	30	10		
Aug.	1.68	0.44	1st	4.90	152	34	6.8	6.6	5.0	3	12	12	7	0	0	0	1	1	0	0	0	2	25	0	8	8	2	5	16	24	5		
Sept.	1.98	0.51	12th	5.53	166	44	5.5	4.7	4.3	7	5	13	8	0	0	0	1	1	1	3	1	14	20	3	7	4	2	5	7	29	13		
Oct.	2.06	0.64	25th	1.94	60	19	8.1	7.7	7.3	0	18	15	10	0	0	0	0	3	0	0	0	6	45	8	7	5	0	2	6	10	10		
Nov.	5.33	1.09	11th	0.97	29	12	7.5	6.4	7.6	2	16	23	18	1	2	1	0	3	11	2	1	16	30	5	3	5	2	6	10	20	9		
Dec.	7.19	1.05	27th	0.68	21	9	7.2	7.3	7.5	1	14	24	21	3	0	1	2	5	13	3	1	14	25	4	3	6	6	9	12	21	7		
Year	35.76	1.09	...	3.47	1267	29	6.6	6.7	6.1	35	137	203	147	11	3	4	13	15	61	16	8	158	235	50	81	70	44	78	121	299	117		

LOWESTOFT, SUFFOLK.

Heights above Ground:  $h_1 = 4$  ft.;  $h_2 = 1$  ft.;  $h_3 = 28$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 21 h.

			Heights above Ground: $h_1 = 4$ ft.; $h_2 = 1$ ft.; $h_3 = 28$ ft.																		Observations																	
Jan.	2'04	0'83	10th	1'43	44	18	7'5	6'9	6'1	2	14	11	5	8	0	3	0	4	16	0	0	47	1	3	7	27	4	6	21	15	9							
Feb.	1'10	0'33	21st	3'86	108	40	4'7	4'6	3'7	7	5	9	6	0	0	0	0	1	6	1	0	31	1	0	2	1	0	33	36	7	4							
March	3'37	0'54	8th	4'03	125	34	5'9	6'6	4'7	4	8	19	17	1	0	0	1	0	14	1	0	52	0	3	5	0	5	22	16	34	8							
April	0'69	0'21	5th	7'70	231	56	4'1	4'6	2'3	11	2	8	6	0	0	0	1	1	0	1	0	31	1	8	17	13	8	11	15	14	3							
May	1'51	0'28	8th	7'81	242	50	4'7	4'7	3'8	9	4	14	11	0	0	3	3	0	0	0	0	38	2	15	21	5	10	9	14	9	8							
June	1'48	0'53	9th	7'97	239	48	5'7	4'7	4'0	7	5	7	5	0	0	1	3	0	0	1	0	25	2	24	20	2	12	14	7	5	4							
July	2'10	0'80	15th	6'97	216	44	5'1	5'1	4'0	4	3	13	7	0	0	1	1	2	0	0	0	36	1	6	10	3	19	24	6	12	12							
Aug.	0'65	0'34	5th	7'10	220	49	4'6	4'6	3'3	7	2	6	3	0	0	0	1	2	0	0	0	34	3	5	18	14	10	18	17	3	5							
Sept.	1'15	0'28	12th	6'73	202	54	4'5	4'4	2'1	9	1	10	7	0	0	1	2	0	0	2	0	45	0	12	7	13	15	8	18	8	9							
Oct.	1'75	0'63	25th	2'55	79	24	7'0	7'1	6'7	0	12	17	8	0	0	0	0	0	0	1	0	42	2	5	29	11	10	6	12	9	9							
Nov.	3'13	0'75	28th	2'27	68	26	6'8	6'2	4'7	1	7	20	16	2	0	1	0	4	3	3	2	43	1	3	6	10	11	6	19	25	9							
Dec.	5'53	1'24	28th	1'23	38	16	6'4	6'6	5'9	3	8	23	20	2	0	0	0	3	9	2	0	56	0	0	3	7	7	12	37	21	6							
Year	24'50	1'24	...	4'96	1812	41	5'6	5'5	4'3	64	71	157	111	13	0	9	10	20	48	11	2	480	14	84	145	106	111	169	218	162	86							

## KEW OBSERVATORY, SURREY.

Heights above Ground:  $h = 10$  ft.;  $h = 1$  ft. 9 ins.;  $h_s = 47$  ft.;  $h_a = 70$  ft. Observations at 9 h., 15 h., 21 h. Temps. for 24 hours ending 24 h.

Sights above Ground: $h_1 = 10$ ft.; $h_r = 1$ ft. 9 ins.; $h_s = 47$ ft.; $h_a = 70$ ft.																																		
In.	0'54	0'18	9th	0'84	26	10	8'9	8'0	7'9	0	20	11	5	4	0	0	0	4	20	0	0	29	9	6	24	7	0	11	21	14	1			
Feb.	2'47	0'57	21st	2'93	82	30	7'7	6'6	5'6	1	10	16	11	0	0	0	0	5	14	0	0	26	14	1	2	0	1	50	11	5	0			
March	3'93	0'78	8th	2'81	87	24	7'5	7'7	5'7	1	12	28	20	5	0	1	0	2	17	0	0	29	9	3	2	1	3	18	28	24	5			
April	0'87	0'25	9th	7'27	218	53	5'0	4'7	2'7	11	4	8	6	0	0	0	0	2	15	0	0	28	13	5	13	12	1	12	21	9	4			
May	1'75	0'84	7th	6'52	202	42	6'1	6'5	6'7	5	14	9	7	0	0	0	3	0	4	0	0	17	12	18	7	11	0	6	17	10	12			
June	2'29	1'30	14th	8'50	255	52	5'2	6'1	5'4	4	4	11	8	0	0	1	3	0	0	1	1	0	0	0	13	13	4	2	6	6	15	24	16	7
July	1'94	0'29	5th	5'13	159	32	7'6	7'6	6'1	1	13	17	12	0	0	0	2	2	0	0	0	13	18	5	9	11	3	13	25	6	3			
Aug.	1'76	0'87	5th	5'58	173	39	6'1	6'9	4'2	5	7	12	7	0	0	0	2	0	0	0	0	16	21	7	4	12	4	7	11	14	10			
Sept.	1'00	0'28	10th	6'63	199	53	5'5	5'0	3'7	6	3	8	6	0	0	1	1	6	3	0	0	16	21	7	4	12	4	7	11	14	10			
Oct.	1'18	0'25	25th	2'32	72	22	7'1	8'1	6'2	1	14	10	8	0	0	0	0	6	7	0	0	6	28	10	17	9	4	5	5	10	5			
Nov.	3'00	0'63	30th	2'17	65	25	7'3	6'9	6'2	2	12	18	12	1	0	0	1	5	12	0	0	24	13	7	8	7	6	10	25	10	4			
Dec.	6'37	1'41	9th	1'29	40	17	7'7	7'2	5'9	1	11	24	19	1	0	1	1	6	15	0	0	31	18	1	2	5	4	21	28	12	2			
Year	27'10	1'41	...	4'32	1578	36	6'8	6'8	5'5	38	124	172	121	11	0	4	12	39	107	0	0	243	179	91	98	84	35	179	227	137	65			

ht refers to bulbs of thermometers,  $h_r$  to rain-gauge rim,  $h_s$  to sunshine recorder, and  $h_a$  to vane or cups of anemometer.



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

Lat. 50° 9' N. Long. 5° 4' W. Gravity Correction, +0.4 mb. Heights above Mean Sea Level: H = 167 ft.; H<sub>b</sub> = 183 ft.

1914.	Mean Pressure corrected to 32° F. and Lat. 45°.		TEMPERATURE.			AIR TEMPERATURE IN DEGREES FAHRENHEIT.												HUMIDITY.									A fo																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Station Level.	Mean Sea Level.	7 a.m.	1 p.m.	6 p.m.	Means of		Max. and Min. combined.	Absolute Extremes.						Depression of Wet Bulb.			Vapour Pressure.			Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	7 a.m.	1 p.m.	6 p.m.	7 a.m.	1 p.m.	6 p.m.	7 a.m.	1 p.m.	6 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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## SOUTHPORT, LANCASHIRE,\* a.

Lat. 53° 39' N. Long. 2° 59' W. Gravity Correction, +0.7 mb. Heights above Mean Sea Level: H = 37 ft.; H<sub>b</sub> = 42 ft.

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

## VALENCIA OBSERVATORY, KERRY,\* a, e.

Lat. 51° 56' N. Long. 10° 15' W. Gravity Correction, +0.6 mb. Heights above Mean Sea Level: H = 30 ft.; H<sub>b</sub> = 45 ft.

			9 a.m.	3 p.m.	9 p.m.													9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.
Jan.	017.0	18.7	44.7	46.3	45.0	47.6	41.0	44.3	54	9th	29	18th	39	14th	52	9th	1.9	2.2	2.0	8.8	9.1	8.8	85	84	85	...			
Feb.	996.8	98.5	46.1	48.0	45.8	49.8	41.8	45.8	54	2, 14	37	9, 10, 21	44	18th	50	4th	1.7	2.0	1.6	9.5	9.9	9.4	88	87	88	...			
March	001.0	02.7	46.0	48.3	45.6	49.6	42.1	45.9	56	31st	35	22nd	45	9th	49	31st	2.0	2.6	2.0	9.1	9.6	9.0	85	82	85	...			
April	015.6	17.2	51.4	54.3	49.0	55.6	44.1	49.9	63	27th	37	16th	49	7th	50	17th	3.2	4.1	2.5	10.2	10.7	9.8	79	75	83	...			
May	019.7	21.3	52.5	54.8	51.1	56.2	47.3	51.8	64	15th	39	25th	50	8th	54	29th	2.6	3.6	2.5	11.2	11.5	10.7	82	78	83	...			
June	019.5	21.1	57.5	60.4	55.9	62.4	51.4	56.9	74	15th	45	26th	53	7th	60	14th	3.5	4.4	2.4	12.7	13.4	13.0	79	75	84	...			
July	010.4	12.0	58.5	60.7	57.1	62.5	54.1	58.3	73	20th	48	30th	57	27th	59	10th	2.0	3.1	2.1	14.7	14.8	13.7	88	82	87	...			
Aug.	013.4	15.0	60.1	63.1	58.7	64.2	55.3	59.8	70	13th	49	20th	60	5th	60	14th	2.1	3.3	1.8	15.4	15.9	15.0	88	81	89	...			
Sept.	016.7	18.3	58.2	60.5	57.4	62.2	53.6	57.9	73	4th	42	21st	56	18th	63	5th	2.5	3.4	2.2	14.1	14.4	14.0	85	80	86	...			
Oct.	015.5	17.1	52.2	56.2	52.1	57.1	47.8	52.5	63	4th	37	16th	51	31st	55	11th	1.8	3.6	2.0	11.9	12.1	11.6	88	78	87	...			
Nov.	009.0	10.7	46.8	50.2	48.0	52.1	42.9	47.5	57	8th	33	22nd	44	22nd	55	9th	1.8	2.9	2.2	9.6	10.1	9.8	87	81	85	...			
Dec.	994.4	96.1	42.7	44.7	43.2	47.3	38.5	42.9	53	26th	28	24th	41	20th	45	17th	1.9	2.6	2.3	8.0	8.1	8.0	86	81	84	...			
Year	010.8	12.4	51.4	54.0	50.7	55.6	46.7	51.2	74	...	28	...	39	...	63	...	2.3	3.2	2.1	11.3	11.6	11.1	85	80	86	...			



## ARMAGH,\* a.

Lat. 54° 21' N. Long. 6° 39'. Gravity Correction, +0.9 mb. Heights above Mean Sea Level: H=196 ft.; H<sub>0</sub>=202 ft.

1914.	Mean Pressure corrected to 32° F. and Lat. 45°.		TEMPERATURE.			AIR TEMPERATURE IN DEGREES FAHRENHEIT.												HUMIDITY.									Earth Temp.
	Station Level.	Mean Sea Level.	9 a.m.	p.m.	9 p.m.	Means of		Max. and Min. combined.	Absolute Extremes.								Depression of Wet Bulb.			Vapour Pressure.			Percentage.				
						Max.	Min.		Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.	9 a.m.	p.m.	9 p.m.	9 a.m.	p.m.	9 p.m.	9 a.m.	p.m.	9 p.m.		
Jan.	mb.	mb.	39.9	...	39.8	44.2	35.9	40.1	55	25th	25	1st	36	12th	51	9th	1.5	...	1.5	7.5	...	7.5	87	...	87	39.9	43.9
Feb.	989.5	96.7	43.0	...	42.8	49.7	38.0	43.9	56	1st	31	24th	44	21, 22	50	2nd	1.8	...	2.1	8.3	...	8.0	86	...	84	42.3	44.2
March	992.3	99.5	41.9	...	40.1	48.9	35.2	42.1	59	31st	27	11th	42	8th	45	30, 31	2.0	...	1.8	7.7	...	7.3	85	...	85	42.1	43.9
April	008.3	15.6	50.6	...	45.7	57.1	40.3	48.7	70	21st	34	15th	50	7th	46	1, 2	4.1	...	3.3	9.2	...	8.0	75	...	77	48.2	49.4
May	011.4	18.7	52.2	...	47.2	58.5	42.8	50.7	70	16th	30	25th	48	9th	53	21st	4.2	...	2.3	9.8	...	9.3	73	...	84	53.4	50.3
June	011.7	18.9	58.1	...	54.5	65.4	48.0	56.7	78	17th	39	8th	54	1st	58	29th	4.2	...	2.8	12.4	...	12.1	76	...	83	58.5	54.3
July	003.1	10.2	59.4	...	56.7	66.2	52.1	59.2	76	20, 21	45	3, 26, 29	59	4th	58	11, 21	3.4	...	1.9	13.7	...	13.7	80	...	88	62.2	57.8
Aug.	006.7	13.9	60.7	...	57.0	67.9	51.4	59.7	77	14th	42	17th	61	30th	59	23rd	3.3	...	2.6	14.5	...	13.3	81	...	84	61.2	57.4
Sept.	009.9	17.0	56.5	...	52.3	62.1	47.7	54.9	73	1st	35	21st	52	12th	57	2, 3	2.5	...	1.7	13.2	...	12.0	84	...	89	57.2	57.4
Oct.	009.3	16.5	51.1	...	48.3	56.5	44.1	50.3	62	1, 3, 5, 8	31	15th	50	23, 29, 30	55	2nd	1.2	...	0.9	11.7	...	10.8	92	...	94	52.5	54.2
Nov.	001.5	08.8	43.0	...	41.8	49.3	36.9	43.1	57	8, 9	23	17th	40	21, 23	53	9th	1.3	...	1.2	8.7	...	8.3	90	...	90	45.7	49.8
Dec.	988.4	95.7	37.3	...	35.8	41.5	32.3	36.9	51	2nd	17	24th	28	24th	41	17, 26	1.1	...	0.9	7.0	..	6.6	90	...	90	41.1	45.9
Year	003.6	10.8	49.5	...	46.8	55.6	42.1	48.9	78	...	17	...	28	...	59	...	2.6	...	1.9	10.3	...	9.7	83	...	86	50.4	50.3

In the column for pressure at station level the first figure is omitted if it is a 1; for pressure at sea level the initial 9 or 10 is omitted.

## ARMAGH.

Heights above Ground: h<sub>1</sub>=4 ft.; h<sub>2</sub>=1 ft.; h<sub>3</sub>=50 ft.; h<sub>4</sub>=50 ft. Observations at 9 h., 21 h. Temps. for 24 hours ending 21 h.

1914.	Rainfall.			Bright Sunshine.			Amount of Cloud, 0—10.			Number of days of		Weather, No. of Days of										Wind, No. of Observations reduced to a total of 93, 90 or 84 for the month.										
	Total.	Max.	Day.	Daily Mean.	Total.	Per cent.	7 a.m.	p.m.	9 p.m.	Clear Sky.	Overcast.	Precipitation.	Precipitation 0.04 or more.	Snow.	Snow lying.	Hail.	Thunder Storm.	Fog.	Ground Frost.	Gale, Force 8 or more.	Wind Force 8 and above.	Strong Wind (4—7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Jan.	in.	in.		hr.	hr.	%																										
Feb.	2.93	0.39	17th	1.86	52	19	7.7	...	6.7	3	14	26	15	0	0	0	0	0	4	0	0	37	10	0	0	1	5	37	26	3	7	2
March	4.03	0.58	13th	3.52	109	30	6.8	...	6.3	4	12	26	19	3	0	2	0	2	12	0	0	12	25	2	0	0	6	16	25	12	7	1
April	1.31	0.34	5th	6.50	195	47	6.8	...	3.5	8	9	15	11	0	0	0	0	0	3	0	0	14	23	0	1	0	8	16	28	12	4	3
May	1.33	0.26	7th	4.58	142	29	8.2	...	5.9	1	15	17	12	0	0	0	0	0	3	0	0	3	56	5	0	0	4	7	15	2	3	4
June	2.14	0.93	20th	5.27	158	31	7.8	...	6.8	2	14	13	10	0	0	0	1	0	0	0	0	0	55	6	6	0	1	5	13	1	4	0
July	2.13	0.49	8th	4.35	135	27	8.7	...	7.1	0	18	18	11	0	0	0	0	1	0	0	0	2	56	0	3	0	13	12	4	1	0	0
Aug.	3.05	0.66	8th	5.87	182	40	7.5	...	5.8	3	12	16	13	0	0	0	1	2	0	0	0	1	51	0	1	2	5	9	22	3	2	0
Sept.	1.34	0.35	12th	4.67	140	37	6.4	...	5.2	6	11	12	8	0	0	0	0	1	0	0	0	1	45	0	1	3	5	13	15	6	0	0
Oct.	1.54	0.66	25th	2.45	76	24	7.6	...	7.2	3	19	14	8	0	0	0	0	3	3	0	0	1	54	1	3	2	9	9	14	1	1	0
Nov.	3.76	0.70	14th	2.00	60	24	8.1	...	8.3	1	21	25	15	0	0	0	0	2	9	0	0	14	35	0	5	3	2	12	25	7	0	0
Dec.	7.15	0.82	4th	1.19	37	17	7.6	...	5.8	5	14	24	21	5	5	0	0	1	14	0	0	27	29	0	4	4	7	20	24	5	0	0
Year	32.07	0.93	...	3.57	1304	30	7.7	...	6.5	38	185	219	154	9	5	2	2	12	55	0	0	123	458	14	26	18	75	173	244	60	27	0

## READING (UNIVERSITY COLLEGE), BERKS.

College Farm, Shinfield. Lat. 51° 25' N. Long. 0° 57' W.  
Height above M.S.L. 199 feet. Observations at 9 a.m.University College. Lat. 51° 27' N. Long. 0° 58'.  
Height above M.S.L. 152 feet. Observations at 9 a.m.Duration of Rainfall at College,  
Negretti and Zambra's Hyetograph.

Negretti and Zambra's Hygrometer.																										
1914.	Temp.		Hygrometer.				Rain-fall.	Cloud Amount, 0-10.	Temp.	Hygrometer.				Rain-fall.	Cloud Amount, 0-10.	Earth Ther-mometers.		Rain-fall.	Dura-tion.	Rate per hour.	Number of Rain Days.	Rate per Rain Day.	Duration per Rain Day.	1914.		
	Mean Maximum.	Mean Minimum.	Dry Bulb.	Wet Bulb.	Vapour Pressure.	Relative Humidity.				12 in.	24 in.															
Jan.	41.5	34.5	36.2	35.1	6.6	88	0.64	7.0	42.0	32.6	37.3	36.1	8.2	88	0.57	7.1	37.4	40.0	0.57	19.6	0.029	10	0.06	2.0	Jan. Feb. March	
Feb.	50.4	36.8	41.6	40.4	8.4	90	3.10	4.9	50.3	36.5	42.2	41.1	8.4	91	2.20	6.0	42.1	43.0	2.20	49.1	0.045	15	0.15	3.3	April	
March	49.8	35.5	42.8	41.0	8.2	86	4.51	6.4	50.7	36.9	43.7	42.5	8.9	91	3.76	6.2	42.4	43.5	3.76	74.6	0.050	26	0.19	2.9	May	
April	59.9	37.8	50.9	47.1	9.6	76	0.77	3.9	61.0	40.9	51.3	49.0	10.7	83	0.68	4.5	48.8	48.5	0.68	14.8	0.046	8	0.09	1.9	June	
May	63.1	42.6	55.0	49.5	10.5	71	1.47	6.0	62.5	43.8	55.1	49.9	10.5	69	1.64	5.6	53.8	53.6	1.64	17.0	0.096	13	0.13	1.6	July	
June	69.3	47.6	60.3	54.9	12.5	70	1.69	5.0	70.6	49.6	61.0	55.0	12.3	67	1.11	6.8	59.9	58.6	1.11	12.9	0.086	8	0.14	1.6	Aug.	
July	69.6	52.1	62.3	58.6	14.8	79	2.01	7.4	70.9	53.4	62.9	58.1	14.4	73	2.14	6.8	63.5	...	2.14	24.1	0.089	15	0.14	1.6	Sept.	
Aug.	70.9	50.9	63.0	59.6	15.7	88	2.14	6.0	72.2	52.5	62.9	59.7	15.9	82	1.87	6.0	61.9	62.0	1.87	20.1	0.093	16	0.14	1.3	Oct.	
Sept.	68.0	44.6	56.7	53.3	12.5	79	0.61	4.7	67.8	46.4	56.4	53.1	12.6	80	0.81	4.5	57.9	59.4	0.81	13.1	0.062	10	0.08	1.3	Nov.	
Oct.	58.3	42.7	50.8	48.9	10.9	87	1.94	6.4	58.4	44.0	51.1	48.9	10.9	86	1.78	6.0	52.1	54.0	1.78	31.8	0.062	12	0.15	2.6	Dec.	
Nov.	50.2	36.5	44.1	42.6	8.9	86	2.00	5.7	50.4	38.0	44.1	42.5	8.9	87	1.98	5.7	45.1	47.7	1.98	49.7	0.039	19	0.10	2.7		
Dec.	46.7	34.8	40.5	39.2	7.9	89	7.14	5.6	45.9	36.0	40.7	39.6	7.9	91	6.49	5.3	41.2	43.2	6.49	108.5	0.059	23	0.48	4.7		
Mean	58.1	41.3	50.3	47.5	10.5	82	28.12	5.7	58.6	42.6	50.7	48.0	10.8	82	25.03	5.7	50.5	50.2	25.03	425.7	0.063	175	0.13	2.3	Year.	