

## POSITIONS OF STATIONS OF THE SECOND ORDER &amp; ANEMOGRAPH STATIONS, 1910.



M.O. No. 204.

METEOROLOGICAL OBSERVATIONS  
AT  
STATIONS OF THE SECOND ORDER  
AND AT  
ANEMOGRAPH STATIONS

For the Year 1910,

FORMING

PART III. OF THE BRITISH METEOROLOGICAL YEAR-BOOK.

Published by Authority of the Meteorological Committee.



LONDON:  
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,  
By NEILL & CO., LIMITED, BELLEVUE, EDINBURGH.

And to be purchased from  
THE METEOROLOGICAL OFFICE, LONDON, S.W.  
Price:—Monthly Numbers, 1s. 6d. each; Complete Yearly Volume, 16s.

1911.

# TABLE OF CONTENTS.

FRONTISPIECE MAP SHOWING POSITIONS OF STATIONS

To face Title

PREFACE

page iii.

## METEOROLOGICAL DATA.

RESULTS FOR STATIONS OF THE SECOND ORDER.\*

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

Stations.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Armagh . . . . .	9	21	33	45	57	69	81	93	105	117	129	141
Birr Castle . . . . .	10	22	34	46	58	70	82	94	106	118	130	142
Cambridge . . . . .	6	18	30	42	54	66	78	90	102	114	126	138
Cheltenham . . . . .	7	19	31	43	55	67	79	91	103	115	127	139
Cockle Park . . . . .	4	16	28	40	52	64	76	88	100	112	124	136
Deerness . . . . .	1	13	25	37	49	61	73	85	97	109	121	133
Douglas . . . . .	4	16	28	40	52	64	76	88	100	112	124	136
Dublin . . . . .	10	22	34	46	58	70	82	94	106	118	130	142
Dundee . . . . .	2	14	26	38	50	62	74	86	98	110	122	134
Dunrobin Castle . . . . .	1	13	25	37	49	61	73	85	97	109	121	133
Eskdalemuir . . . . .	3	15	27	39	51	63	75	87	99	111	123	135
Glasgow . . . . .	3	15	27	39	51	63	75	87	99	111	123	135
Hillington . . . . .	5	17	29	41	53	65	77	89	101	113	125	137
Markree Castle . . . . .	9	21	33	45	57	69	81	93	105	117	129	141
Plymouth . . . . .	8	20	32	44	56	68	80	92	104	116	128	140
Shrewsbury . . . . .	6	18	30	42	54	66	78	90	102	114	126	138
Southampton . . . . .	8	20	32	44	56	68	80	92	104	116	128	140
Stonyhurst . . . . .	5	17	29	41	53	65	77	89	101	113	125	137
Tillypronie . . . . .	2	14	26	38	50	62	74	86	98	110	122	134
Woolacombe . . . . .	7	19	31	43	55	67	79	91	103	115	127	139

## RESULTS FOR ANEMOGRAPH STATIONS.

Stations.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Deerness . . . . .	11	23	35	47	59	71	83	95	107	119	131	143
North Shields . . . . .												
Great Yarmouth & Gorleston.												
Plymouth . . . . .												
Dover . . . . .												
Scilly . . . . .												
Stonyhurst . . . . .	12	24	36	48	60	72	84	96	108	120	132	144
Southport . . . . .												
Holyhead . . . . .												
Glasgow . . . . .												
Kingstown . . . . .												
Roche's Point . . . . .												

\* Hourly readings for the normal meteorological observatories at Aberdeen, Kew, Falmouth and Valencia form Part IV. of the British Meteorological Year-Book.

# PREFACE.

THE present volume is issued in continuation of the annual volumes of "Meteorological Observations at Stations of the Second Order," which have been published since 1873. It contains daily observations made at 9 a.m. and 9 p.m. at twenty selected stations in the British Isles. The list of stations differs from that for the previous year by the omission of Laudale, Argyleshire, and the addition of Eskdalemuir, Dumfriesshire, where the observations were taken at 10 a.m. and 10 p.m. 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. The volume also contains an abstract from the hourly tabulations of the anemograms from twelve anemometer stations in connexion with the Meteorological Office.

In order to render the observations available for general use as early as possible, the volume has appeared in twelve monthly parts, which have been issued 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 SECOND ORDER.

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.

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

*Hours of Observation.*—Local mean time is used for the observations at fixed hours at all stations, except those marked S, 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 is given as that of the ground on which the rain-gauge stands. The height of the barometer above ground, when applied to the "height of the station," will give the height of the barometer cistern above Mean Sea Level. 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.

Continued on p. vi.

## LIST OF STATIONS OF THE SECOND ORDER.

Station.	Observer.	Averages.	Remarks.
Deerness	M. Spence.	a.b	The following records for Orkney form an approximately homogeneous series: Stromness, 1827-32; Sandwick, 1832-85; Swanbister, 1886-90; Stenness, 1890-91; Deerness, since 1891. For data from 1827-59, see "Meteorological Observations taken at Orkney, with remarks on the Climate," by the Rev. Ch. Clouston (1861). J.S.M.S. from 1856, A. from 1886, B. from 1873, M. from 1902.
§ Dunrobin Castle	D. Melville (for the Duke of Sutherland, K.G.).	c.d	J.S.M.S. from 1860, A. and B. from 1880, M. from 1907 (October).
§ Tillypronie	R. Littlejohn (for Sir John F. Clark, Bart.).	—	J.S.M.S. from 1871, A. and B. from 1906, M. from 1907 (October).
§ Dundee	J. Carnochan.	c.d	J.S.M.S. from 1865, A. and B. from 1880, M. from 1907 (October).
Eskdalemuir.	G. W. Walker, M.A. (for the Meteorological Office).	—	—
Glasgow	Prof. L. Becker, Ph.D.	a	M.S. data at Observatory for Pressure, Dry and Wet Bulb Temperatures from 1843. J.S.M.S. from 1856, Q.W.R. 1869-80, m. from 1884, M. from 1902, A. and B. from 1886.
Cockle Park (Morpeh)	T. E. W. Dobson (for the Northumberland County Council).	—	B. from 1898, A. from 1900, M. from 1902.
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.
Stonyhurst	Rev. W. Sidgreaves, S.J.	a	M.S. data at Observatory from 1848, Reg. Gen. from 1854, Q.W.R. 1869-80, m. from 1884, M. from 1902, A. and B. from 1884.
¶ Hillington	Rev. H. E. B. Ffolkes, M.A.	a.b	A. from 1877, B. from 1875, R. Met. Soc. from 1875, m. from 1884, M. from 1907 (October).
Shrewsbury	Capt. C. S. Reid, 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.
¶ Cheltenham	A. C. Saxby (for the Corporation).	a	R. Met. Soc. from 1878, A. 1879-85 and from 1907, B. from 1879, M. from 1907.
¶ Woolacombe.	R. N. Kivell.	a	A., B. and R. Met. Soc. from 1896, M. from 1907.
Southampton	A. Vaughan (for Director-General of Ordnance Survey).	a	Transferred to a new site in 1908, A. and B. from 1878, m. from 1884, M. from 1902. M.S. data from 1855.
Plymouth	H. V. Prigg, A.M.I.C.E. (for the Corporation).	a	Reg. Gen. from 1876, A. from 1893, B. from 1891, m. from 1884, M. from 1902.
Armagh	J. L. E. Dreyer, Ph.D.	a	Regular observations, but unpublished from 1833, less systematic records available since 1793. Q.W.R. 1869-80, A. and B. from 1884, m. from 1884, M. from 1902.
Markree Castle	J. R. Armstrong (for Capt. Cooper).	a.b	Temperature and rainfall summaries 1833-63. Quarterly Journal of the Roy. Met. Soc., Vol. X. p. 158. A. and B. since 1875, m. from 1884, M. from 1902.
Dublin (Phoenix Park)	Lieut.-Col. C. C. J. Pery, R.E.	a	M.S. data from 1853, A. from 1886, B. from 1881, M. from 1902.
Birr Castle	O. Boeddicker, Ph.D. (for the Earl of Rosse).	a.b	A. and B. from 1873, M. from 1884. This station was formerly called Parsonstown. There has been no change of site.

## NOTES ON THE LIST OF STATIONS.

Information for stations marked ¶ is supplied through the Royal Meteorological Society, and for stations marked § through the Scottish Meteorological Society.

For Glasgow, Stonyhurst, 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 sixty other stations in the British Islands are published in the "Daily Weather Report" of the Meteorological Office.

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

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

b. Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.

c. "Temperature Tables of the British Islands," 1871-1900. Monthly averages of mean maximum, mean minimum, and mean temperature, generally for the thirty years 1871-1900, together with information on the extremes of temperature over the same period.

d. "Rainfall Tables for the British Islands," Part I. 1866-80, Part II. 1880-90. Monthly averages of Rainfall for lustra and for the periods named.

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

- A. Daily Values in "Observations at Stations of the Second Order."
- B. Monthly Summaries till 1907 in "Observations at Stations of the Second Order."
- M. Full Monthly Summaries in the "Monthly Weather Report."
- m. Abridged Monthly Summaries in the "Monthly Weather Report."
- Q.W.R. Monthly Summaries in the "Quarterly Weather Report, 1869-1880."
- Reg. Gen. Monthly Summaries in the "Quarterly Reports of the Registrar General for England and Wales."
- J.S.M.S. Monthly Summaries in the "Journal of the Scottish Meteorological Society."
- R. Met. Soc. Monthly Summaries in the "Meteorological Record" or the appendices to the "Quarterly Journal of the Royal Meteorological Society," if observations are available before 1881.

*Temperature.*—The maximum and minimum thermometers are read and set at 9 p.m. in all cases, except at Eskdalemuir, where the observing hour from February 9 was 10 p.m.

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

*Wind.*—At stations provided with anemometers the results are taken from the instrumental records, and the velocities are expressed in miles in the hour (m.p.h.). No direction is specified if the velocity is under 4 m.p.h., and such winds are counted as "calms" in preparing the summaries published in the "Monthly Weather Report."

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

Beaufort Scale.	Miles per Hour.	Beaufort Scale.	Miles per Hour.	Beaufort Scale.	Miles per Hour.
0	0	5	19–24	10	55–63
1	1–3	6	25–31	11	64–75
2	4–7	7	32–38	12	above 75
3	8–12	8	39–46		
4	13–18	9	47–54		

The wind direction is *true*, as opposed to *magnetic*, in all cases.

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

*Rainfall.*—The amount entered to each day refers to the twenty-four hours, commencing at 9 a.m. on that day.

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

Rain . . . . . ●	Hoar Frost . . . . . —	Solar Corona . . . . . ☉
Snow . . . . . *	Dew . . . . . ♂	Solar Halo . . . . . ⊕
Snow lying . . . . . ☒	Rime . . . . . v	Lunar Corona . . . . . ☾
Snow Drift . . . . . †	Glazed Frost . . . . . ~	Lunar Halo . . . . . ☾
Hail . . . . . ▲	Thunderstorm . . . . . ⚡	Rainbow . . . . . (
Soft Hail . . . . . △	Thunder . . . . . T	Aurora . . . . . ☄
Ice Crystals . . . . . <	Lightning . . . . . <	Haze . . . . . ∞
Fog . . . . . ≡	Gale . . . . . ↘	

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

●<sup>o</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. " " 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, rainfall, etc. in each column are shown in heavy type.

## RESULTS FROM ANEMOGRAPH STATIONS.

THE anemometers used for these observations are of three types:—

A. The "Dines" pressure tube anemometer.

B. The "Robinson" cup anemometer. Diameter of cups 9 inches, length of arms 2 feet. Factor 2·2.

C. The "Robinson" cup anemometer. Diameter of cups 5 inches, length of arms 1 foot. Factor 2·8.

The following is a list of the stations, with the names of the observers:—

Station.	Observer.	Type of Instrument.	Height of Head or Cups above—		
			Roof.	Ground.	M.S.L.
Deerness . . . . .	M. Spence . . . . .	B.	Ft. 5	Ft. 16	Ft. 188
North Shields . . . . .	Captain T. Robson . . . . .	B.	8	60†	138
Great Yarmouth . . . . .	The chief Boatman, H.M.C.G. . . . .	B.	12	60	73
Great Yarmouth (Gorleston) . . . . .	The chief Boatman, H.M.C.G. . . . .	A.	35	42	52
Plymouth . . . . .	H. Victor Prigg, A.M.I.C.E., for the Corporation. . . . .	A.	3	86	185
Dover . . . . .	W. C. Hawke, A.M.I.C.E., for the Corporation. . . . .	A.	29	40	271
Scilly . . . . .	A. Hicks up to March 31; then H.M.C.G. . . . .	(A. (C.	... ...	32 19	164 150
Stonyhurst . . . . .	Rev. W. Sidgreaves, S.J. . . . .	B.	8	30‡	405
Southport . . . . .	J. Baxendell, for the Corporation . . . . .	A.	36	50	68
Holyhead . . . . .	F. M. Cotton, M.I.C.E. . . . .	(A. (B.	29 15	45 25	63 50
Glasgow . . . . .	Prof. L. Becker, Ph.D. . . . .	B.	22	47§	227
Kingstown . . . . .	Captain A. F. Holmes, R.N., for H.M. Office of Works. . . . .	B.	16	27	49
Roche's Point . . . . .	Captain G. Usborne, for the Cork Harbour Commissioners. . . . .	A.	23	30	91

The information given consists of the wind direction and velocity in statute miles per hour at 9 a.m., 1 p.m. (13), 6 p.m. (18), and 9 p.m. (21), together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

† The lighthouse on which this Anemometer is erected stands upon a steep bank or cliff. On one side houses adjoin it, rising to 30 feet above the ground.

‡ The ground is a mound 300 × 130 sq. feet, about 15 feet above the general level.

§ Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

Of the hours selected, 1 p.m. (13) and 6 p.m. (18) correspond with the hours of observation at telegraphic reporting stations. 9 a.m. and 9 p.m. (21) correspond with the hours of observations at Stations of the Second Order. For Glasgow, Stonyhurst, Plymouth, and Deerness the data for 9 a.m. and 9 p.m. are given with the complete daily observations for those stations. Corresponding data for Aberdeen, Falmouth, Valencia, and Kew will be found in "Hourly Readings obtained from the Self-recording Instruments at Four Observatories in connexion with the Meteorological Office."

The British Meteorological Year-Book.

The serial statistical publications of the Meteorological Office have been grouped together under the title "The British Meteorological Year-Book."

For the year 1910 the parts of the Year-Book are as follows—

Part I. The Weekly Weather Report, with three appendices and a special supplement. Issued on Thursday of each week. Price 6d. per number. Annual subscription (which includes the Monthly Weather Report) 30s., postage paid.

Part II. The 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. Daily Observations at Stations of the Second Order\* and at Anemograph Stations. Issued in monthly parts within about five weeks of the close of each month. Price 1s. 6d. each part.

Part IV. Hourly Readings obtained from self-recording instruments at four observatories in connexion with the Meteorological Office. Issued in monthly parts for each observatory within about six weeks of the end of each month. Price 6d. each part.

METEOROLOGICAL OFFICE, LONDON, S.W.  
February 1911.

ERRATA.

- Page 17. Hillington:—18th, Remarks, for "▲ 4.5p." read "▲ 4.5p."  
" 19. Woolacombe:—Total sunshine, for "8.6" read "86."  
" 51. Eskdalemuir:—29th, sunshine, for "2.7" read 3.7; and total for "179" read "180."  
" 91. Woolacombe:—Footnote, for "29 feet" read "20 feet."  
" 96. Roches Point:—28th, 13<sup>h</sup>, for "12" read "13."

\* For daily observations at other stations reference may be made to the Daily Weather Report issued at 12.30 p.m. on week days. The report contains information from about sixty stations in the British Isles and sixty foreign stations.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNESS, ORKNEY, a.b.—JANUARY 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr. and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.	Vapour Pressure.		Percentage.											
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.	9 p.m.	
1	ins.	ins.	43.8	46.0	51.0	37.9	0.5	1.4	274	278	96	90	S	25	SW	15	10	2.3	—	—	Dull and muggy. ● n.
2	29.46	29.56	43.8	46.0	51.0	37.9	0.5	1.4	274	278	96	90	S	25	SW	15	10	2.3	—	—	Fine day. < p.
3	29.57	30.07	45.7	48.4	49.5	41.5	0.5	1.6	295	237	96	88	SSW	23	W	24	8	0	—	—	● after 4p.
4	30.03	29.94	38.4	42.8	44.0	38.4	1.6	2.2	200	229	87	83	W	7	S	13	3	10	—	—	Fine day.
5	29.90	30.04	45.4	43.8	47.7	37.5	1.8	0.7	262	269	87	95	SW	9	S	8	10	1	—	—	Dull and cloudy.
6	30.14	30.11	41.6	42.4	44.7	41.0	1.5	0.8	231	254	89	94	SW	4	SSW	9	2	9	—	—	Very fine day.
7	30.01	29.75	39.6	43.8	45.0	37.5	1.2	0.7	219	269	90	95	S	12	S	18	2	5	—	—	Fine and bright.
8	29.37	28.90	42.6	41.5	45.7	41.3	0.5	0.8	262	245	96	94	NW	4	S	25	9	2	—	—	● till 4p.
9	28.84	28.70	40.8	39.9	47.6	37.8	1.7	2.2	219	203	87	83	SE	34	SW	40	10	10	—	—	☔ showers p.
10	28.99	29.07	38.6	34.4	41.5	33.3	3.0	0.7	178	185	77	93	SW	27	SW	18	6	4	—	—	☔ showers after 2.30p.
11	29.00	28.93	32.6	34.1	37.0	31.5	0.6	2.4	173	149	93	76	SW	17	SW	24	4	0	—	—	* showers all day.
12	29.48	29.48	32.6	33.1	37.1	30.8	1.0	1.8	164	152	88	80	NW	10	NW	27	5	2	—	—	* showers all day.
13	29.65	29.65	32.3	33.1	37.1	30.8	1.0	0.9	163	138	89	94	—	2	S	27	3	10	—	—	Fine a. ● 3p.—8p.
14	29.65	29.65	32.3	33.1	37.1	30.8	1.0	0.7	212	215	85	82	SW	23	SW	32	2	3	—	—	* showers all day.
15	29.65	29.65	32.3	33.1	37.1	30.8	1.0	2.3	139	221	81	89	W	25	SSE	29	6	10	—	—	* showers all day.
16	29.65	28.75	42.6	37.6	43.3	37.2	1.0	2.0	251	188	92	83	S	16	S	31	10	6	—	—	☔ showers a.
17	28.70	80	36.4	37.8	41.2	35.7	1.4	3.2	189	169	88	74	S	25	SW	27	4	8	—	—	Heavy clouds a.
18	29.71	28.74	33.9	39.1	32.1	4.3	1.3	150	169	66	86	W	25	SW	19	8	4	73	1.1	—	☔ showers all day.
19	28.96	35.3	33.0	38.5	32.5	1.2	0.6	183	216	89	95	NNW	17	—	—	2	4	6	—	—	☔ showers a.
20	29.24	29.46	33.6	31.4	38.7	31.4	0.9	0.8	174	157	90	89	N	17	NNW	4	9	1	—	—	* showers n. and p.
21	52	57	27.9	29.6	32.3	27.4	1.3	1.0	114	137	75	83	NW	15	NW	18	3	6	—	—	* showers. † p.
22	72	77	28.6	29.4	31.4	26.7	1.0	1.8	128	115	82	71	NW	25	N	21	4	2	—	—	* all day.
23	29.53	31	31.1	31.6	33.6	26.8	1.9	1.0	130	155	73	86	S	15	SE	33	9	10	—	—	☔ showers all day.
24	28.94	24	35.6	31.4	35.8	30.3	2.0	1.6	172	139	82	78	E	30	E	15	8	5	—	—	* n. Fine day.
25	29.18	03	27.6	28.6	32.5	24.7	3.3	3.8	068	069	46	45	NE	12	—	1	1	0	—	—	☔ showers all day.
26	28.99	03	29.7	26.6	32.5	25.0	1.3	2.0	130	086	79	60	S	11	SSE	4	7	3	—	—	* showers all day.
27	28.98	29.00	27.1	27.0	31.5	24.5	1.7	1.8	098	094	67	64	—	0	—	0	1	1	—	—	☔ showers a. Fine day.
28	29.00	28.89	33.6	35.6	35.7	25.7	2.3	3.8	148	141	77	67	N	15	NNE	30	9	2	—	—	Fair a. * showers p.
29	29.08	29.27	34.6	34.6	36.1	31.5	1.0	2.0	164	161	88	80	N	18	NW	18	4	2	—	—	* showers a. and p.
30	30	26	34.1	34.6	39.5	31.8	0.5	1.0	187	181	95	91	SW	17	W	10	10	8	—	—	* showers.
31	29.34	29.32	37.2	39.4	39.5	34.5	0.4	1.0	214	222	96	92	SE	10	S	15	10	1	—	—	☔
M.	29.297	29.277	36.5	36.7	40.2	33.3	1.4	1.6	189	187	85	83	16	19	6.2	4.5	4.74	48	—	—	—

DUNROBIN CASTLE, SUTHERLANDSHIRE, c.d.—JANUARY 1910.

Height above Mean Sea Level, 12 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 8 ins. Rain-gauge, 1 foot.  
Long. 3° 56' W. Lat. 57° 59' N. Gravity Correction, +.034 in.

1	29.64	29.79	45.0	50.0	53.5	36.5	2.0	5.0	253	245	85	68	SW	2	SW	1	—	—	—	—	—	—	Dull.	
2	73	30.03	52.5	45.0	54.5	45.0	3.0	2.5	317	243	80	82	NW	3	NW	2	—	—	—	—	—	—	Clear.	
3	29.79	04	47.5	43.5	50.5	40.5	3.5	3.5	248	210	76	74	NW	2	NW	4	—	—	—	—	—	—	Fine.	
4	30.23	30.13	39.0	41.0	47.0	39.0	1.5	1.0	209	235	88	92	NW	1	NW	1	—	—	—	—	—	—	Fine and clear.	
5	06	24	48.5	48.0	50.0	38.5	2.5	3.5	280	253	82	76	NW	2	NW	1	—	—	—	—	—	—	Dull.	
6	30	30.26	37.5	35.0	48.5	34.0	1.5	0.5	195	194	87	95	NW	1	NW	1	—	—	—	—	—	—	Clear.	
7	30.18	29.99	36.0	46.0	46.0	34.5	0.5	3.0	203	244	96	79	NW	1	SW	2	—	—	—	—	—	—	Half clouded.	
8	29.70	19	45.5	40.5	50.5	32.5	1.0	1.0	282	231	93	92	SW	1	SW	4	—	—	—	—	—	—	Dull. ● showers.	
9	28.89	07	42.5	38.5	48.5	35.5	2.0	2.5	230	185	85	80	W	5	W	8	—	—	—	—	—	—	● showers. <	
10	29.30	37	36.5	34.5	39.0	33.5	2.5	1.0	170	180	78	90	W	5	W	2	—	—	—	—	—	—	* and * (sleet).	
11	21	16	32.5	30.0	37.0	30.0	1.0	0.0	163	167	88	100	NW	2	NW	2	—	—	—	—	—	—	*.	
12	26	84	29.5	35.5	35.5	25.0	1.0	5.0	136	123	83	59	NW	1	W	1	—	—	—	—	—	—	Clear.	
13	86	43	30.0	40.0	43.5	27.0	0.5	2.0	153	207	92	84	NW	1	NW	2	—	—	—	—	—	—	Dull. * (sleet) showers.	
14	36	51	37.0	42.0	42.0	31.0	0.5	4.0	210	190	96	72	NW	1	NW	2	—	—	—	—	—	—	Clear to overcast.	
15	77	42	40.0	40.0	45.0	36.5	2.5	1.5	198	217	80	88	NW	1	S	3	—	—	—	—	—	—	Clear to dull and rainy.	
16	29.12	05	40.0	38.5	45.0	36.5	1.0	2.0	226	194	92	84	S	2	SW	4	—	—	—	—	—	—	Dull.	
17	28.95	03	37.0	34.5	40.5	33.0	1.0	1.0	200	180	91	90	SW	2	SW	3	—	—	—	—	—	—	*.	
18	29.01	03	33.0	30.0	38.0	29.5	0.5	1.0	177	140	94	83	SW	3	W	4	—	—	—	—	—	—	*.	
19	28.91	28	34.0	35.5	38.0	29.5	1.0	2.0	176	170	89	82	NW	2	NE	2	—	—	—	—	—	—	Dull to clear.	
20	29.44	69	35.0	31.0	39.0	30.5	1.0	1.0	184	148	90	85	E	1	NE	1	—	—	—	—	—	—	Clear.	
21	72	86	30.0	28.5	34.5	26.5	1.5	0.5	128	141	76	91	NW	1	NE	2	—	—	—	—	—	—	Clear. *	
22	96	97	30.0	30.5	30.5	25.0	0.5	1.5	153	133	92	77	NE	2	NW	2	—	—	—	—	—	—	Clear. * (9 inches deep).	
23	67	11	30.0	31.5	34.5	18.0	0.5	1.0	153	154	92	86	W	3	SW	2	—	—	—	—	—	—	*.	
24	02	35	36.5	30.0	40.5	23.0	1.5	1.5	187	128	87	76	E	5	NE	3	—	—	—	—	—	—	Dull.	
25	35	23	25.0	22.0	33.0	20.5	1.0	0.5	100	099	74	85	E	3	NE	2	—	—	—	—	—	—	Clear.	
26	15	18	25.0	25.0	26.0	18.5	0.5	0.5	117	117	87	87	NE	2	NE	2	—	—	—	—	—	—	Clear. *	
27	18	18	16.0	16.5	27.0	14.5	0.5	1.5	073	052	82	56	NE	1	NE	1	—	—	—	—	—	—	Clear.	
28	18	07	18.5	33.0	34.0	15.0	0.0	1.5	101	157	100	83	E	1	NE	3	—	—	—	—	—	—	Clear.	
29	25	55	33.5	34.0	34.0	22.5	1.5	1.0	161	176	84	89	SE	3	NE	3	—	—	—	—	—	—	Clear.	
30	55	46	33.0	38.0	38.5	32.0	1.0	1.0	167	208	89	91	NW	2	SW	1	—	—	—	—	—	—	*.	
31	29.50	29.48	37.5	38.5	43.5	35.5	0.5	1.0	214	213	95	92	SE	1	SE	1	—	—	—	—	—	—	Dull.	
M.	29.492	29.516	35.3	35.7	40.9	30.0	1.3	1.8	186	179	87	83	2.0	2.3	—	—	—	—	—	—	—	—	—	3.33

## TILLYPRONIE, ABERDEENSHIRE.—JANUARY 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +0.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.										Percentage.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.	°		
1	ins.	ins.	28.62	41.0	47.8	49.0	34.0	2.0	3.6	215	249	84	75	S	6	SW	4	7	4	—	—	29
2	28.64	28.56	28.88	50.2	42.0	55.0	38.0	3.0	3.8	289	193	80	73	SW	8	SW	3	4	4	—	—	33
3	28.74	28.74	28.74	48.2	42.5	50.8	38.8	2.0	3.5	288	202	86	74	SW	5	SW	6	5	3	—	—	35
4	29.04	28.97	28.97	35.5	42.1	44.0	31.8	1.5	1.1	179	244	86	91	W	1	W	3	3	4	—	—	28
5	28.96	29.08	29.08	44.8	37.2	49.5	33.6	0.8	1.2	278	198	94	89	SW	1	SW	2	7	0	—	—	32
6	29.15	29.11	29.11	39.8	38.0	45.2	32.5	1.8	1.8	209	194	86	85	W	1	W	2	3	0	—	—	28
7	29.05	28.85	28.85	42.1	44.2	45.5	32.2	3.3	3.2	203	222	76	76	SW	3	SW	6	3	7	—	—	30
8	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	34
9	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	31
10	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	26
11	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	24
12	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	28
13	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	26
14	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	31
15	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	27
16	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	30
17	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	25
18	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	22
19	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	16
20	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	20
21	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	20
22	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	19
23	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	14
24	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	15
25	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	7
26	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	10
27	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	5
28	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	5
29	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	19
30	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	32
31	28.65	28.65	28.65	40.0	38.0	45.2	37.0	1.0	2.0	255	190	92	83	S	4	SW	6	10	3	—	—	
M.	28.345	28.333	33.2	32.9	39.1	27.0	1.2	1.3	173	166	88	87	3.4	3.6	5.8	4.6	2.80	—	23.4			

## DUNDEE, FORFARSHIRE, c.d.—JANUARY 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +0.030 in.

1	29.82	29.79	41.2	48.0	48.6	36.5	0.4	2.0	251	285	97	86	SW	3	SW	1	10	10	02	—	—	Dull and cloudy.	
2	29.66	29.64	41.7	43.7	53.0	42.6	2.0	1.7	332	247	87	86	SW	8	SW	1	5	5	—	—	—	Cloud and sunshine. ↗ till 3p.	
3	29.85	29.88	48.5	47.2	49.3	41.6	0.7	2.0	324	278	95	86	SW	8	SW	8	10	5	—	—	—	Dull and cloudy. ↗ from 6p.	
4	30.17	30.10	37.0	41.5	48.5	35.0	1.0	0.3	200	255	91	98	SW	1	SW	1	10	10	02	—	—	Fine 10a.-1p.	
5	30.06	30.06	45.2	44.2	48.0	41.0	0.7	1.0	285	268	95	93	SW	1	W	1	10	10	—	—	—	Dull and cloudy.	
6	29.72	29.72	45.2	42.2	45.7	41.6	1.0	1.6	268	235	93	88	SW	3	SW	1	10	10	—	—	—	Dull and cloudy.	
7	30.19	30.00	42.5	43.2	44.5	41.2	1.5	1.0	239	257	88	92	SW	3	SW	1	10	10	—	—	—	Dull and cloudy.	
8	29.72	29.22	45.2	42.2	46.2	39.5	1.2	1.6	273	235	91	88	SW	3	SW	8	10	10	20	—	—	Dull. ↗ from 1p.	
9	29.17	29.11	42.8	42.8	50.2	36.0	0.8	2.9	257	215	94	78	SW	1	SW	8	10	5	19	—	—	Dull till 1p. ↗ from 11a.	
10	29.35	29.39	35.2	34.6	43.8	32.4	0.4	0.6	198	189	96	94	SW	8	SW	3	5	5	30	—	—	Dull till 10a. ↗ ** (sleet) till 11a.	
11	29.23	29.14	35.0	31.8	36.0	31.0	1.0	0.6	184	166	90	92	SW	3	SW	3	10	10	08	—	—	** showers all day.	
12	29.13	29.62	27.6	34.0	36.8	26.6	0.2	1.6	144	164	96	83	NW	1	W	1	5	5	—	—	—	Cloudy.	
13	29.82	29.41	29.8	40.5	41.0	27.4	0.4	0.3	155	245	94	98	SW	1	SW	1	10	10	03	—	—	Dull and cloudy.	
14	29.41	29.57	41.2	38.7	45.0	38.0	1.4	1.0	229	216	89	92	SW	1	SW	1	10	10	13	—	—	Dull. ● showers all day.	
15	29.77	29.37	36.8	38.9	39.9	35.0	1.3	0.5	194	227	90	96	SW	3	SW	1	10	10	27	—	—	Dull and cloudy. ● from 4p.	
16	29.20	29.10	45.2	37.2	46.8	35.3	1.7	1.2	262	198	88	89	SW	3	SW	5	10	5	07	—	—	Dull, with ● showers.	
17	29.02	29.08	37.0	35.2	39.0	34.2	1.0	0.7	200	192	91	93	SW	8	SW	5	10	10	05	—	—	↗ till 10a. ● (sleet) showers.	
18	28.96	28.94	33.2	32.0	36.0	31.0	1.0	1.0	169	157	89	87	SW	3	SW	1	5	5	—	—	—	Fine.	
19	28.85	29.14	35.0	36.5	37.2	29.8	0.8	2.0	188	179	92	83	SW	1	NW	1	5	5	08	—	—	● showers noon-1p.	
20	29.24	29.51	36.0	31.5	37.0	30.8	1.8	2.0	179	132	84	74	NW	1	SW	1	5	5	—	—	—	Fine	
21	29.56	29.66	28.7	29.2	34.2	27.0	1.5	1.0	115	133	74	83	W	1	NW	1	5	0	—	—	—	— Fine.	
22	29.82	29.86	30.5	26.2	34.2	25.5	0.7	1.0	152	109	90	77	NW	1	NW	1	7	0	—	—	—	—	
23	29.76	29.15	22.5	27.8	28.8	20.0	0.3	0.4	110	139	92	92	SW	1	S	1	10	10	08	—	—	Dull. * 1.30p.-5p.	
24	28.72	28.72	31.6	31.5	35.2	24.4	0.4	0.5	193	165	96	93	NE	3	NE	5	10	10	13	—	—	Dull. * showers all day.	
25	29.16	29.12	24.5	22.5	32.6	21.2	0.3	0.5	121	103	92	86	W	1	NW	1	5	5	—	—	—	—	
26	29.06	29.07	14.6	23.0	24.0	12.7	0.4	0.4	073	108	87	88	NW	1	SW	1	10	10	02	—	—	—	—
27	29.01	29.05	24.0	14.0	24.0	12.0	0.2	0.2	121	075	94	92	NW	1	NW	1	10	0	—	—	—	— Dull till noon.	
28	28.92	28.71	22.5	33.5	34.0	10.0	0.0	1.5	121	161	100	84	NE	3	NE	5	10	10	—	—	—	— Dull and cloudy.	
29	28.99	29.38	34.5	31.3	36.4	30.0	1.5	0.1	170	174	84	99	NE	5	NW	1	10	5	—	—	—	Dull and cloudy.	
30	29.51	29.40	29.4	39.0	39.2	27.6	0.7	1.0	144	218	89	92	W	1	SW	5	10	10	05	—	—	Dull and cloudy.	
31	29.48	29.45	38.3	40.0	40.2	35.8	0.3	0.5	225	237	98	96	SW	1	SW	1	10	10	01	—	—	Dull. ● 7a.-10a.	
M.	29.447	29.442	35.3	35.6	39.9	30.7	0.9	1.1	196	192	91	89	2.7	2.5	8.6	7.3	1.73	—	—	—	—	—	—

† Beaufort Scale (0—12).

## SHREWSBURY, SHROPSHIRE.—JANUARY 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	41°	50°	50°	36°	1°	1°	229	336	90	93	S	1	NW	1	100	10	ins.	hrs.	°	Overcast, with showers.	
2	30°08	29°99	41°	50°	50°	36°	1°	1°	229	336	90	93	S	1	NW	1	100	10	05	—	31	Dull and cloudy.	
3	30°01	30°06	53°	50°	53°	49°	1°	1°	368	334	90	93	Calms	0	NW	2	10	0	—	—	45	Cloudy. Brilliant sunset.	
4	30°11	30°11	48°	46°	55°	44°	1°	1°	287	263	87	85	SE	2	Calms	0	3	0	—	—	38	Sunshine all day.	
5	30°21	30°18	37°	36°	50°	35°	0°	0°	221	213	97	100	Calms	0	NW	1	0	10	03	—	—	34	Thick mist a. Drizzling p.
6	30°20	30°24	33°	39°	42°	30°	0°	0°	189	238	100	100	W	1	S	1	10	10	—	—	38	Misty a. Overcast day.	
7	30°28	30°30	36°	35°	42°	34°	0°	0°	216	204	100	100	WNW	1	S	2	10	10	—	—	35	Overcast all day.	
8	30°30	30°18	35°	36°	42°	33°	0°	0°	204	210	100	99	W	1	S	1	10	10	—	—	30	Overcast. showers p.	
9	29°54	29°60	38°	48°	49°	34°	0°	0°	220	309	96	93	S	2-3	SW	2-3	10	100	11	—	38	Cloudy day.	
10	30°57	30°48	50°	53°	55°	44°	2°	2°	309	332	84	82	SSW	4-5	SSW	4	10	10	04	—	35	▲ a. noon. ▲ 1p.-2p.	
11	30°72	30°74	41°	42°	53°	41°	1°	1°	233	231	91	87	WSW	2	SW	3-4	2	0	25	—	35	* showers.	
12	30°49	30°36	38°	34°	43°	32°	1°	0°	210	196	90	100	W	3	SW	2	6	0	23	—	35	* 2p.-4p. Misty 4p.-5p.	
13	30°31	30°65	33°	35°	40°	32°	1°	1°	166	179	88	86	W	3	SW	3-4	3	0	11	—	30	Fine a., then cloudy. p.	
14	30°93	30°78	35°	45°	45°	32°	1°	1°	182	262	89	88	WNW	3	WSW	3	4	0	02	—	28	Bright a., then dull.	
15	30°71	30°79	47°	45°	51°	44°	2°	2°	282	250	86	83	W	2	SW	1	3	2	11	—	41	early a., and noon-4p.	
16	30°47	30°51	51°	41°	53°	40°	1°	3°	353	196	93	76	SW	1	S	3-4	2	10	08	—	30	Dull day. shower 3.30p.	
17	30°39	30°39	38°	39°	44°	36°	2°	2°	196	206	84	84	WNW	4	WSW	3	6	0	06	—	46	* showers.	
18	30°24	30°15	42°	41°	44°	38°	2°	2°	221	214	84	83	NW	3-4	NW	4	100	10	21	—	34	▲ till 1.30p., and 4p.-6p.	
19	30°24	30°24	38°	41°	45°	35°	2°	3°	193	197	83	77	W	4	NW	4	8	2	01	—	33	* showers till 11.30a.	
20	30°35	30°46	37°	37°	43°	34°	1°	2°	204	182	92	83	W	2	W	2	6	9	—	—	31	Fine day.	
21	30°56	30°59	30°	31°	43°	28°	0°	0°	167	174	100	100	W	1	NW	1	0	0	—	—	24	Fine bright day.	
22	30°80	30°89	29°	32°	40°	26°	1°	0°	124	187	77	100	NW	2	NW	3-4	0	10*	04	—	20	Fine bright day.	
23	29°70	29°22	34°	39°	44°	30°	0°	0°	192	228	97	94	SE	1	Calms	0	10	10	10	—	31	* 10a. 11.30a.-1p.	
24	28°50	28°75	37°	36°	41°	34°	1°	0°	190	175	86	82	WNW	2	WNW	4-5	7	10	03	—	31	Dull. 1.30p.-3p. * 3p.	
25	29°07	29°02	31°	24°	37°	24°	1°	0°	150	134	85	100	NNW	3-4	NW	2	0	3	—	—	27	Fine bright day.	
26	29°02	29°05	19°	19°	33°	17°	0°	0°	103	103	100	100	S	1	S	1	0	0	—	—	19	Misty till 10a. Fine day.	
27	29°14	29°01	12°	34°	36°	12°	0°	0°	061	192	82	98	SE	1	SSE	2	0	5	28	—	14	Misty a. Fine bright day.	
28	28°52	28°67	34°	33°	42°	32°	0°	0°	197	188	100	100	NE	1	NW	3-4	7	10*	03	—	32	Misty a. Cloudy day.	
29	29°07	29°41	34°	34°	40°	32°	0°	1°	192	175	98	88	WNW	2	NW	1	4	0	—	—	28	Fine bright day.	
30	29°66	29°68	32°	36°	42°	29°	0°	1°	181	193	96	91	NW	2-3	NW	3	2	0	—	—	25	Fine bright day.	
31	29°64	29°57	39°	41°	42°	35°	1°	0°	218	255	92	98	S	2	SSW	3-4	10	100	02	—	31	Very dull day.	
M.	29°586	29°571	37°	39°	45°	34°	1°	1°	209	222	91	91	2°	2°	5°	5°	1°	87	—	31°	5		

## CAMBRIDGE, a.—JANUARY 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.19 in.

1	30°30	30°21	34°4	43°5	44°0	32°0	0°3	0°5	193	271	96	96	SW	1	SW	2	9	100	02	—	18	Overcast. ● after 4p.
2	30	27	47°7	48°5	57°1	43°0	0°0	0°4	331	330	100	97	SW	2	SW	2	10∞	0	20	35	Overcast till 11a.	
3	30	29	47°7	42°1	49°0	41°5	0°7	0°1	313	266	95	99	SW	2	SW	2	10	0	27	27	Overcast day. Fine sunset.	
4	40	39	39°3	41°1	42°2	35°0	0°0	0°0	241	258	100	100	Calm	0	Calm	0	10≡4	10≡2	01	23	≡ till 3p., then ≡4.	
5	38	42	40°0	37°9	42°4	37°0	0°0	0°0	247	227	100	100	Calm	0	Calm	0	10≡2	1000	01	33	Overcast day.	
6	49	52	37°0	38°7	41°0	36°0	0°0	0°0	220	235	100	100	SE	3	S	2	1000	1000	01	31	Overcast day.	
7	52	30°41	37°5	37°2	39°0	36°5	0°0	0°0	224	222	100	100	S	1	SW	2	10≡2	10	—	31	Gloomy day.	
8	30°18	29°88	40°1	46°0	46°0	35°9	0°3	1°5	242	276	97	90	SW	2	SW	4	10≡1	10	03	30	Overcast day.	
9	29°90	29°78	46°2	53°0	54°0	44°0	1°0	2°4	290	337	93	84	S	4-5	SW	7	10	10	05	32	Overcast day.	
10	94	30°00	46°0	43°3	54°0	41°9	2°0	2°0	265	237	86	84	SW	2	SW	6	5	0	5°2	34	Fine sunny day.	
11	72	29°55	43°1	33°0	45°0	32°5	2°0	0°0	235	188	84	100	SW	6-7	SW	1	90	10*	20	5°0	27	Sunny 10a.-3.30p.
12	29°48	29°74	33°8	32°5	39°0	32°1	0°8	1°3	178	157	91	85	SW	2	W	2	9	0	—	29	20	Sunny intervals.
13	30°09	30°07	30°0	39°1	39°9	28°5	0°3	1°1	158	217	95	91	W	1	WSW	4	0	0	02	3°0	15	Sunny a. 7p.
14	29°91	30°01	50°0	45°0	54°1	38°0	1°1	1°0	332	275	92	92	SW	5-6	SW	2	10	0	—	30	27	Sunny intervals.
15	30°19	29°96	38°9	50°5	50°5	37°0	0°9	1°3	219	330	93	91	W	1	SW	6	1	8	09	2°0	23	Sunny a. ● 2p.-5p.
16	29°80	29°74	52°2	44°6	54°7	44°0	2°2	3°4	332	222	85	75	SW	6	SW	4	100	2	07	0°6	38	Overcast. 2.30p.
17	64	65	40°0	37°6	45°5	37°0	2°6	1°6	196	194	79	86	SW	4	SW	3	5	2	01	1°9	26	Overcast a. ● 11a.
18	37	42°9	39°2	45°5	37°1	1°9	0°2	2°35	236	85	98	SW	5-6	W	2	8	1000	17	—	25	Overcast. 2p.-9p.	
19	40	34	38°0	38°3	44°0	36°9	2°1	2°2	188	189	82	82	SW	4	W	6	5	2	—	4°8	25	Fine and sunny.
20	49	58	35°0	35°4	41°2	32°0	1°0	1°1	184	186	90	90	W	2	W	2	4	9	—	0°5	19	Overcast and very cold.
21	70	29°74	31°0	26°2	38°8	25°5	1°4	0°0	139	142	79	100	W	2	Calm	0	6	0	01	3°8	19	* a. Sunny p.
22	86	30°00	28°0	29°4	35°9	25°0	1°0	0°0	122	103	80	100	W	3	W	2	0	0	03	5°5	14	* past n. Sunny day.
23	29°89	29°42	30°0	36°3	36°5	27°8	0°0	0°1	167	212	100	99	SE	1	SW	2	9 <sup>2</sup>	10	18	0°5	17	Sunny a. * after 2p.
24	28°65	28°68	38°9	36°0	41°0	32°7	0°4	0°8	229	197	97	93	S	3	NNW	5	1000	0	08	0°1	26	Overcast day. * after 6p.
25	29°00	29°14	31°3	27°5	37°0	27°0	0°0	0°0	176	150	100	100	NW	5	NW	2	10≡2	0 <sup>2</sup>	03	4°9	24	* a. Sunny 11a.-3.30p.
26	12	17	22°5	26°0	33°0	19°5	0°0	0°2	121	134	100	95	SW	1	NW	2	0 <sup>2</sup>	0	—	5°5	9	Fine sunny day.
27	29°35	29°31	20°5	32°9	35°4	16°7	0°0	0°0	111	187	100	100	SW	1	SE	3	0 <sup>2</sup>	10	21	7°3	8	Sunny 8.30a.-3.45p.
28	28°69	28°70	41°0	37°0	44°2	31°0	0°6	1°0	244	200	95	91	SSE	3-4	SW	3	1001	9	07	4°5	16	* a. Sunny 11a.-3.30p.
29	29°16	29°48	34°6	34°2	38°8	33°0	2°0	1°0	161	178	80	89	SW	4	W	5	9	10*	0°0	2°3	23	Sunny a. * 1p.-5p.
30	81	89	30°5	32°8	41°0	27°9	1°3	1°3	138	160	80	85	W	2	W	2	0	0	—	7°3	18	Sunny 8.30a.-3.30p.
31	29°89	29°88	33°0	38°3	44°0	29°0	1°0	1°3	167	205	89	89	S	1	S	3	9∞	10	—	1°8	18	Overcast most of day.
M.	29°768	29°757	37°5	38°2	43°7	33°3	0°9	0°8	213	219	92	93	2°6	2°8	7°0	5°5	1°35	74	23°6			

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—JANUARY 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.	Vapour Pressure.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.													

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## SOUTHAMPTON, HAMPSHIRE, a.—JANUARY 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.										Percentage.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	9 a.m.
1	ins.	ins.	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Cloudy. 7p.-9.30p.
2	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Cloudy and mild.
3	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Misty a. and p. Fine.
4	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
5	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
6	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
7	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
8	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
9	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
10	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
11	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
12	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
13	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
14	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
15	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
16	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
17	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
18	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
19	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
20	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
21	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
22	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
23	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
24	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
25	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
26	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
27	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
28	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
29	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
30	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
31	30.33	30.25	36.0	46.6	46.9	34.1	0.5	0.6	203	303	96	96	NW	3	SW	3	10	100	0.00	29	Dull and misty.
M.	29.812	29.798	39.6	40.4	45.2	36.3	1.1	1.3	226	229	90	89	3.4	3.6	7.0	5.7	3.577	64	31.7		

## PLYMOUTH, DEVONSHIRE, a.—JANUARY 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	30.29	30.21	36.8	48.2	48.3	34.2	0.6	0.9	206	315	95	94	—	1	—	2	8	9	0.01	0.3	31	Dull.
2	23	25	49.6	50.0	51.4	48.2	0.1	0.9	354	337	100	94	—	3	—	2	10	10	—	47	Dull.	
3	29	31	46.7	46.6	50.6	46.3	1.2	1.4	291	285	92	90	—	3	—	1	5	10	0.01	0.3	41	Dull all day.
4	32	30	42.6	44.6	46.6	41.1	0.0	0.6	273	280	100	95	—	2	E	7	10	10	—	42	Dull.	
5	28	33	44.2	43.4	45.3	42.8	0.9	0.8	270	264	93	94	E	5	—	3	10	10	—	43	Dull.	
6	34	37	42.2	42.7	44.2	41.7	0.2	1.8	265	236	98	86	E	9	E	10	0	10	—	41	Dull.	
7	39	30.34	43.3	45.2	45.2	41.4	0.3	1.8	273	260	98	87	ESE	10	E	6	10	10	—	39	Dull and cold.	
8	30.12	29.92	45.2	50.0	50.4	41.4	1.8	0.5	260	348	87	97	S	14	SW	17	10	10	0.04	—	43	Dull.
9	29.90	29.86	50.6	50.6	52.4	50.0	0.0	0.0	369	369	100	100	SSW	22	SSW	25	3	2	0.09	—	50	Dull, with ●.
10	98	30.03	48.2	49.2	52.6	47.7	1.6	0.6	297	335	89	96	W	13	SW	17	10	10	—	61	47	Fine and sunny.
11	88	29.67	43.4	39.7	49.2	39.7	4.6	0.5	190	234	68	96	W	22	NW	13	7	7	0.33	1.7	38	▲ in afternoon.
12	29.60	29.89	38.3	37.6	44.8	34.7	1.7	0.8	198	210	86	93	NW	16	NW	19	9	5	0.04	2.1	32	▲ showers.
13	30.19	30.07	40.2	49.2	49.9	36.8	1.6	0.0	216	351	88	100	4	SW	19	3	10	10	0.11	2.0	32	Dull. Rough n.
14	00	29.11	50.2	48.6	54.3	48.0	0.0	0.7	304	325	100	95	SW	10	SW	4	10	9	—	1.5	49	Fine.
15	30.16	29.98	47.8	50.2	52.0	46.4	0.8	0.6	312	348	94	96	SSW	7	SW	19	10	10	0.03	—	42	Dull all day.
16	29.76	30	50.5	45.2	51.7	44.3	0.0	4.6	368	206	100	69	SW	30	NW	9	10	10	0.16	—	48	● a. Dull.
17	54	47	40.0	46.6	47.0	39.8	1.3	6.4	220	188	90	59	SW	17	W	15	10	10	0.09	4.5	38	● showers in evening.
18	54	42	48.6	47.8	51.7	45.6	2.2	0.7	290	314	85	95	WSW	12	WNW	12	10	10	0.46	—	44	Dull, with ●.
19	50	53	45.3	43.4	47.1	43.2	1.6	3.4	265	211	88	75	W	6	W	11	10	10	0.02	—	41	Dull all day.
20	53	66	40.6	40.0	45.9	38.9	2.1	2.8	211	193	84	78	WNW	5	N	7	10	4	0.06	3.7	34	Fine all day.
21	72	29.68	35.4	34.0	41.2	32.6	0.7	1.0	194	176	94	89	N	3	N	5	8	0	0.15	0.1	27	Dull, with ● (sleet) showers
22	93	30.05	31.6	37.8	39.4	30.5	1.9	1.8	135	192	76	85	N	4	—	2	0	4	—	7.3	25	Fine and sunny.
23	29.92	29.52	42.6	46.4	47.2	37.5	1.0	0.7	251	299	92	95	WNW	17	W	21	10	10	0.60	—	35	Dull, with ●.
24	28.75	28.05	39.6	41.6	47.2	39.4	0.1	0.4	242	254	99	97	W	14	N	25	10	4	0.16	1.2	37	Dull, with cold ● showers.
25	29.21	29.06	36.2	34.7	42.0	34.7	1.2	0.2	191	198	89	98	N	8	N	7	0	10	0.07	5.2	31	● (sleet) showers in evening.
26	06	05	30.7	33.6	36.2	29.3	0.5	3.0	159	134	93	70	—	2	E	12	5	9	—	1.4	24	Fine, but with cold wind.
27	29.25	29.04	32.4	45.4	46.0	26.3	1.2	1.8	158	262	85	87	ENE	8	SSW	24	10	10	0.95	—	22	● <sup>2</sup> a. in afternoon.
28	28.73	28.95	39.3	38.0	47.6	36.6	2.0	3.0	202	171	84	75	WSW	16	NW	17	8	8	0.03	4.8	32	● showers.
29	39.34	29.60	37.0	36.1	44.2	32.8	2.2	1.1	179	192	81	90	NW	9	N	8	8	0	—	7.3	29	Fine.
30	84	90	34.1	34.6	42.8	30.5	0.9	2.4	179	155	90	77	—	1	—	1	0	0	0.02	6.5	23	Fine.
31	29.81	29.69	45.2	46.6	48.2	30.2	2.0	0.8	255	300	85	95	SW	19	SSW	26	10	10	0.27	—	33	Dull, with ● showers.
M.	29.790	29.781	41.9	43.5	47.2	39.1	1.2	1.5	246	256	90	89	10	12	7.9	7.5	3.91	56	36.8			

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—JANUARY 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Faht. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.	Vapour Pressure.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
2	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
3	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
4	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
5	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
6	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
7	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
8	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
9	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
10	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
11	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
12	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
13	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
14	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
15	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
16	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
17	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
18	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
19	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
20	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
21	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
22	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
23	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
24	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
25	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
26	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
27	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
28	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
29	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
30	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
31	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.
M.	29.98	30.00	49.8	52.9	53.3	36.9	2.4	1.0	29.8	37.2	84	93	SW	15	10	10	Overcast.

## BIRR CASTLE, KING'S COUNTY, a.b.—JANUARY 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 8 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

	Barometer at 32° Faht. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					9 p.m.
1	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	3				10
2	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SSW	3	10	10	Overcast, with ● showers.	
3	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
4	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
5	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
6	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
7	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
8	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
9	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
10	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
11	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
12	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
13	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
14	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
15	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
16	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
17	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
18	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
19	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
20	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
21	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
22	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
23	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
24	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
25	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
26	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
27	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
28	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
29	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
30	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
31	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.
M.	29.99	30.01	49.9	51.7	52.3	35.1	1.0	1.4	33.3	34.7	93	90	SW	2	SSW	1	10	Overcast, with ● showers.

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JANUARY 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNESSE.†					NORTH SHIELDS.†					GREAT YARMOUTH.†‡						
Height of Cops above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cops above—Roof 8 ft., Ground 60 ft., M.S.L. 133 ft.					Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cops above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.§					HOLYHEAD.†§							
Height of Cups above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.					Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cups above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.							
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	22, 5	21, 8	21, 22, 10	19, 20, 22	16, 11	15, 9	22, 22	21, 13	—	29	19, 19	19, 18	18, 11	18, 12	—	32	10. 20
2	22, 12	20, 4	23, 12	14	17, 9	23, 27	23, 25	20, 15	—	34	20, 16	20, 15	20, 12	19, 10	—	31	6. 25
3	22, 14	24, 12	22, 15	12	22, 18	22, 14	23, 23	22, 25	—	35	19, 15	19, 21	20, 15	19, 11	—	39	15. 10
4	—	—	—	6	17, 4	12, 7	18, 4	12, 7	—	29	16, 9	16, 12	18, 8	17, 14	—	31	23. 55
5	22, 4	—	22, 4	12, 13	17, 6	19, 7	15, 6	—	15	13. 35	20, 9	16, 10	16, 9	16, 6	—	29	0. 5
6	—	—	—	21	13, 13	13, 8	14, 8	15, 8	—	15	15, 7	15, 10	15, 4	15, 9	—	17	22. 5
7	—	—	—	16	13, 14	15, 19	16, 16	21, 28	—	53	15, 15	16, 20	16, 18	16, 18	—	34	19. 0
8	16, 10	16, 22	16, 25	16	17, 24	19, 29	20, 26	22, 34	—	49	18, 32	18, 29	19, 15	19, 23	—	51	8. 25
9	20, 15	21, 18	19, 20	15, 16	21, 27	22, 34	21, 32	21, 31	—	49	20, 21	21, 29	22, 30	20, 21	—	51	11. 20
10	22, 19	20, 15	22, 20	3, 14	22, 30	23, 41	18, 21	23, 34	—	59	22, 28	22, 34	22, 27	24, 28	—	52	11. 35
11	23, 18	19, 12	22, 21	12	27, 27	26, 15	28, 18	29, 24	—	49	24, 27	25, 35	31, 22	28, 22	—	46	7. 15
12	25, 7	—	3	24, 15	21, 8	21, 17	17, 14	18, 17	—	29	23, 17	20, 18	22, 20	22, 19	—	38	15. 35
13	24, 4	19, 10	24, 12	6	22, 22	22, 25	21, 25	21, 26	—	39	20, 12	20, 17	21, 18	21, 17	—	36	3. 0
14	22, 12	22, 14	22, 17	6	20, 11	14, 13	17, 19	20, 27	—	45	20, 7	16, 14	18, 27	19, 26	—	47	17. 10
15	16, 6	18, 14	23, 17	2	20, 20	21, 30	21, 33	21, 35	—	65	18, 21	19, 23	20, 31	20, 29	—	63	15. 50
16	22, 15	21, 15	22, 19	14, 15	21, 31	24, 37	22, 33	21, 31	—	52	22, 26	22, 26	21, 25	21, 23	—	50	11. 20
17	23, 18	21, 12	21, 23, 18	11, 13	25, 28	24, 23	24, 20	26, 25	—	45	24, 25	23, 21	24, 29	25, 28	—	59	5. 20
18	23, 10	21, 4	23, 15	1	23, 28	24, 34	25, 35	26, 21	—	50	22, 26	22, 34	24, 29	25, 26	—	51	12. 20
19	23, 18	24, 19	23, 20	14, 16	27, 18	26, 23	31, 17	31, 15	—	31	28, 21	27, 20	28, 24	29, 17	—	34	13. 20
20	25, 8	30, 10	26, 12	6	12, 5	—	0	32, 9	—	16	19, 12	31, 4	5, 5	1, 17	—	32	21. 55
21	—	—	—	22	31, 21	29, 23	29, 14	28, 8	—	30	23, 12	32, 21	27, 18	24, 21	—	51	23. 40
22	23, 4	28, 4	29, 11	5	11, 5	13, 10	24, 18	22, 14	—	25	23, 4	21, 16	24, 12	23, 9	—	51	0. 20
23	—	—	—	15	29, 7	32, 17	32, 31	32, 29	—	42	24, 26	3, 28	31, 37	31, 33	—	49	19. 25
24	32, 9	32, 10	32, 16	18, 19	31, 16	2, 9	5, 6	7, 4	—	38	32, 14	31, 5	6, 4	—	—	41	0. 30
25	31, 7	—	3	2	8, 4	4, 9	7, 8	—	—	11	9, 4	9, 9	—	—	—	22	3. 20
26	—	—	—	4	14, 14	15, 14	14, 13	12, 12	—	22	20, 10	18, 18	14, 15	11, 15	—	27	13. 20
27	—	—	—	23, 24	6, 17	1, 4	29, 23	29, 40	—	54	5, 29	3, 32	30, 37	29, 29	—	54	16. 10
28	—	—	—	23	28, 34	28, 32	29, 25	30, 13	—	49	27, 37	27, 32	28, 31	27, 26	—	47	9. 25
29	27, 16	27, 10	27, 18	12	26, 4	22, 14	13, 16	13, 14	—	32	25, 15	22, 18	21, 11	21, 14	—	29	0. 20
30	20, 5	21, 6	21, 10	24	15, 11	14, 14	13, 16	13, 14	—	28	16, 10	16, 21	15, 18	15, 19	—	35	14. 15
31	19, 4	16, 11	16, 12	22, 24													

GLASGOW.†					KINGSTOWN.†						ROCHES POINT.‡					
Height of Cups above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cups above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.					
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
1	21, 12	21, 12	21, 15	11, 12	16, 5	22, 31	23, 19	21, 16	22, 31	13	—	—	—	—	—	—
2	21, 14	26, 7	21, 21	9	21, 19	21, 19	21, 18	22, 15	21, 23	12	—	20	—	—	—	*
3	21, 19	21, 6	22, 21	17	21, 10	8, 6	24, 17	20, 10	23, 27	16	—	—	14	—	—	*
4	29, 4	23, 4	21, 12	24	14, 8	—	2, 15, 9	16, 18	16, 18	21	—	8	—	13	—	15, 45
5	23, 7	22, 4	21, 13	2, 7	13, 4	—	1, 16, 4	16, 10	16, 10	20	—	—	8	—	—	21, 45
6	19, 7	21, 5	20, 10	24	—	1	14, 4	16, 11	16, 12	20	—	13	—	11	—	11, 30
7	19, 6	19, 15	19, 20, 15	18, 20	—	2	18, 9	16, 21	16, 18	16	—	—	15	—	20	22, 20
8	18, 26	21, 16	18, 26	13	15, 18	18, 26	21, 32	21, 27	20, 37	16	—	33	—	26	18	9, 30
9	20, 25	22, 21	23, 30	14	19, 22	20, 37	21, 34	21, 27	20, 41	11	—	31	—	25	20	48
10	21, 19	21, 21	21, 23	11, 12	20, 25	20, 26	21, 29	20, 21	22, 31	2	—	12	—	—	—	13, 35
11	23, 13	23, 10	21, 17	2	22, 24	22, 21	21, 23	21, 26	21, 33	10	—	21	—	—	—	9, 35
12	25, 4	25, 10	25, 10	18	21, 23	25, 28	26, 17	23, 21	22, 34	4	—	27	—	37	20	11, 20
13	20, 7	20, 12	21, 17	24	20, 9	19, 24	19, 22	19, 22	19, 28	14	—	5	—	24	16	13, 15
14	23, 16	21, 8	23, 19	11	22, 37	21, 31	20, 28	20, 28	22, 37	6, 8, 9, 10	—	—	5	—	—	0, 15
15	18, 7	13, 4	21, 18	20	14, 13	15, 18	17, 23	17, 16	17, 26	16	—	—	—	16	—	*
16	21, 20	21, 21	21, 23	16	19, 27	20, 34	19, 29	19, 31	20, 37	14	—	—	—	17	—	13, 20
17	22, 13	23, 15	20, 22	1	20, 37	21, 32	20, 23	20, 27	20, 43	10	—	18	—	28	—	*
18	29, 5	25, 11	22, 24, 13	2, 4, 5	22, 15	22, 18	22, 23	22, 22	21, 34	3	—	—	—	—	—	*
19	23, 15	28, 7	21, 18	11	20, 30	22, 32	21, 35	22, 35	20, 21, 22, 35	10, 18, 21	—	—	—	—	—	*
20	31, 10	32, 6	25, 10	4	22, 32	22, 23	24, 17	23, 16	25, 24, 23	13, 14	—	12	—	22	15	13, 50
21	—	2, 31, 4	31, 8	24	24, 12	29, 11	27, 15	28, 16	22, 22	2	—	2	—	11	13	1, 10
22	27, 7	—	29, 10	7	24, 21	25, 15	21, 18	20, 26	20, 32	22	—	17	—	8	8	1, 40
23	7, 5	—	7, 5, 7	12, 22	22, 18	22, 30	20, 19	19, 10	22, 30	13	—	13	—	16	—	22, 55
24	2, 12	2, 13	2, 15	1	20, 29	31, 31	27, 21	29, 18	20, 33	2	—	23	—	36	33	53
25	1, 5	—	1, 5	13, 14	21, 10	25, 4	—	3, 28, 9	26, 18	3	—	0	—	10	11	30
26	—	—	—	21	7, 13	9, 11	4, 4	21, 7	7, 15	7	—	17	—	20	9	11, 40
27	—	—	—	8	—	15, 17	15, 11	9, 28	9, 28	21	—	3	—	12	—	12, 35
28	3, 12	1, 12	31, 21	24	1, 34	30, 29	27, 23	22, 24	32, 43	10	—	28	—	39	27	50
29	30, 10	27, 4	31, 23	1	22, 29	23, 26	23, 23	23, 21	22, 29	8	—	18	—	17	14	32
30	21, 12	23, 12	21, 17	15	22, 16	22, 14	18, 7	19, 13	22, 20	11	—	1	—	7	0	23, 55
31	18, 9	17, 10	18, 12	14, 15	13, 17	15, 12	15, 12	21, 7	18, 18	3	—	24	—	15	—	10, 5

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^3 = 3.5 B^3$ ) will be given in the Introduction.

\* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level. § Dines Pressure Tube Anemometer.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards. ¶ Direction approximate.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—FEBRUARY 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.36 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.		Percentage.											
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	°					
1	ins.	ins.	38°6	40°0	41°7	38°3	1°0	1°4	215	218	92	89	S	12	SSE	27	4	10	ins.	hrs.	°	
2	29°29	29°05	38°6	40°0	41°7	38°3	1°0	1°4	215	218	92	89	S	12	SSE	27	4	10	07	64	—	Very fine.
3	28°99	00	39°6	39°7	41°3	39°3	1°0	0°8	223	228	92	93	S	16	SSE	14	4	10	02	31	—	Fine day. Rough sea.
4	28°97	02	38°0	39°6	40°6	36°5	0°5	0°6	218	205	96	95	SSE	7	—	3	100	00	16	—	—	Muggy, with ☉ all day.
5	29°29	43	36°9	35°4	41°5	35°3	1°2	1°5	196	179	90	87	W	9	SSW	11	1	1	14	38	—	Fine all day.
6	12	17	42°2	40°6	43°8	35°4	0°8	1°5	252	221	93	88	WSW	15	SW	18	100	8	50	11	—	☉ showers all day.
7	19	09	39°5	36°4	42°5	34°7	2°5	0°8	194	200	80	93	SW	23	W	17	7	7	185	01	—	☉ showers n. and p.
8	11	09	33°3	34°6	36°9	32°9	0°9	1°7	174	167	90	83	—	2	NE	11	8	7	03	—	—	Frosty a. ☉ showers p.
9	37	04	33°6	32°6	35°3	31°7	2°1	2°6	151	132	78	71	N	18	NW	15	9	1	08	02	—	☉ showers a. and p.
10	34	32	34°6	37°6	32°1	0°9	0°7	183	212	92	94	W	13	SSE	18	2	100	03	25	—	—	☉ showers a. ☉ from 7p.
11	39	31	41°6	40°6	44°7	37°5	0°9	1°0	244	232	94	92	S	24	SW	17	10	8	00	11	—	Mammalated clouds 10a.
12	34	37	35°4	34°6	41°5	34°6	1°7	0°4	175	193	85	96	SW	20	SW	9	5	100	01	33	—	Fine. ☉ showers 9a.
13	50	32	33°8	43°6	43°7	32°5	0°9	0°9	176	263	90	93	SW	11	S	18	2	6	135	29	—	☉ n. Fine a. ☉ 2p.-5p.
14	29°14	28°53	29°06	42°8	42°6	45°5	42°2	1°0	1°4	254	242	92	89	S	25	SE	33	9	10	—	—	Dull and breezy. ☉
15	28°58	59	36°6	34°6	39°9	34°3	1°3	1°1	192	179	89	90	SW	19	SE	39	9	2	—	53	—	☉ op.-midnight.
16	69	70	36°6	34°6	39°9	34°3	1°3	2°0	192	196	89	84	S	21	S	26	6	2	115	34	—	☉ a. Very fine p. ☐
17	27	56	42°1	40°6	43°1	36°9	0°7	2°9	253	197	94	78	S	19	W	20	9	8	35	—	—	Dull. Rough sea. ☉ p.
18	46	93	39°7	38°8	42°0	35°5	0°1	2°0	242	197	99	84	E	10	SW	18	100	1	03	18	—	☉ all a.
19	89	46	41°7	43°6	44°5	35°6	1°0	1°0	243	261	93	92	S	19	ESE	35	10	5	—	—	—	☉ 9a.-2p. ☐ 10p.
20	41	29	41°7	39°6	44°5	39°2	1°1	1°3	241	217	92	89	S	19	ESE	40	8	5	06	04	—	☉ early a. and 9p.
21	28°22	28°58	38°7	38°6	43°5	38°5	0°8	1°5	220	205	94	88	SSW	8	SW	14	8	5	09	—	—	☉ a. ☐ 6p., then ☐.
22	29°27	29°41	36°8	37°2	40°7	35°7	2°0	2°6	181	173	83	79	SW	21	—	2	2	7	—	63	—	Fine all day. ☐
23	37	38	36°6	35°0	41°0	35°0	1°0	0°6	197	192	91	94	S	5	SW	4	3	2	—	62	—	Very fine and bright.
24	18	08	38°1	37°1	40°7	34°2	3°2	0°7	170	207	73	94	SE	23	S	12	2	100	20	20	—	☉ from 3p.
25	12	13	37°3	35°6	42°2	35°3	1°1	1°2	201	187	91	89	—	2	—	2	9	1	—	42	—	Very fine from 10a.
26	05	24	35°5	37°6	39°3	32°5	0°9	2°0	191	188	92	83	NW	6	NE	15	7	10	08	02	—	☉ n. ☐ showers p.
27	53	58	37°6	37°6	41°6	34°5	2°8	3°9	174	156	77	69	N	8	ESE	13	4	1	—	61	—	Fine and bright all day.
28	29°23	29°21	39°6	38°6	39°9	37°2	3°0	1°0	187	215	76	92	SE	36	S	12	10	0	18	—	—	☉ 10a.-6p. Rough sea.
M.	29°073	29°094	38°0	38°1	41°6	35°5	1°3	1°5	205	201	89	87		15		17	64	61	3°025	70	—	

## TILLYPRONIE, ABERDEENSHIRE.—FEBRUARY 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.										Percentage.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.		
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°	Sunshine.	
2	28.34	28.12	37.0	36.5	39.0	34.0	1.2	1.3	.196	.191	89	89	SW	1	SE	4	3	—	31	Sunshine.	
3	28.04	27.96	35.0	34.0	36.5	31.8	0.2	0.2	.200	.192	98	98	S	1	S	1	8	10	—	32	Dull. ≡
4	27.95	28.02	32.8	32.0	36.1	31.0	0.8	0.8	.170	.162	91	89	S	1	S	1	10	7	—	29	Dull. ≡
5	28.32	28.49	30.0	28.0	40.0	26.0	1.2	1.2	.135	.117	80	76	S	3	SW	1	0	7	—	23	Sunshine.
6	30	32	39.0	38.2	46.5	26.5	0.5	0.5	.228	.192	96	84	S	3	SW	3	9	7	—	24	
7	32	37	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	31	Sunshine.
8	32	37	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	29	Dull. ≡
9	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	21	Sunshine.
10	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	16	Sunshine.
11	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	32	Dull.
12	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	28	
13	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	24	Sunshine.
14	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	32	☞
15	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	27	*
16	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	21	Sunshine.
17	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	23	Sunshine.
18	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	27	Dull. ≡
19	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	29	Dull.
20	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	28	≡
21	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	33	
22	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	29	Sunshine.
23	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	28	Sun and *.
24	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	24	*° and slight sun.
25	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	26	≡ 11a.
26	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	22	Sunshine.
27	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	21	Sunshine.
28	33	36	39.0	36.2	45.0	34.0	2.8	1.4	.185	.187	78	88	SW	5	SW	3	8	6	—	21	*° and bright sunshine.
M.	28.131	28.123	34.7	33.9	40.5	28.8	1.2	1.2	.178	.171	88	87	3.0	2.9	5.6	5.7	2.05	—	26.3		

## DUNDEE, FORFARSHIRE, c.d.—FEBRUARY 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +030 in.

1	29.44	29.20	37.2	38.2	40.8	35.2	0.2	0.7	218	216	98	95	SW	1	SW	3	10●	10●	05	—	—	● 9a.-10a. Dull and cloudy.	
2	29.10	29.02	37.0	35.0	39.5	33.5	0.0	0.0	220	204	100	100	S	1	NE	1	10	10	02	—	—	Dull and cloudy.	
3	28.98	28.92	35.2	33.6	37.6	32.5	0.4	0.4	198	185	96	95	W	1	N	1	10≡	10≡	—	—	—	Dull, with ≡.	
4	29.39	29.38	33.2	31.8	38.9	30.5	1.0	0.4	169	171	89	95	SW	1	NW	1	5	0	03	—	—	Fine.	
5	35	33	42.5	38.2	46.5	31.7	0.3	0.2	265	226	98	98	SW	3	NW	1	10	10	09	—	—	● 3p.-5.30p.	
6	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	W	1	10≡	10	—	—	—	≡ till 9a.	
7	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	10	10∞	20	—	—	※● (sleet) ● 10a.-1.30p.	
8	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	—	—	—	—	Dull and cloudy.	
9	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	0	5≡	—	—	—	Fine, ≡	
10	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	10	10	02	—	—	Fine 10a.-2p.	
11	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	01	—	—	—	● showers 2p.-3p.	
12	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	10≡	01	—	—	Dull and cloudy. ● <sup>0</sup> 3p.	
13	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	10	—	—	—	Cloud and sunshine.	
14	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	5*	07	—	—	Fine. *	
15	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	5	—	—	—	≡ till 10a.	
16	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	5	30	—	—	Cloud and sunshine.	
17	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	5	08	—	—	● n. / till 3p.	
18	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	5≡	09	—	—	● showers till 9a. ≡	
19	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	10	05	—	—	● 7a.-9a. / till noon.	
20	41	35	39.5	40.8	45.6	36.2	1.0	1.0	222	234	92	92	NW	1	NW	1	5	10	01	—	—	Fine till 1p. ● showers till 6	
21	28.44	29.07	39.8	38.5	44.0	35.4	1.0	0.9	225	215	92	92	SW	5	SW	5	3	10	10	22	—	—	Cloud and sunshine.
22	29.46	29.46	33	34.5	35.0	44.2	32.7	1.2	0.0	176	204	87	100	SW	3	E	1	10	10	22	—	—	※● (sleet) ※ 6p.-8.30p.
23	49	50	34.0	36.2	41.6	30.5	1.5	1.2	166	191	84	89	SW	1	SW	1	10	10	12	—	—	Cloud and sunshine.	
24	49	50	34.0	36.2	41.6	30.5	1.5	1.2	166	191	84	89	SW	1	SW	1	10*	10	27	—	—	※ 7a.-8p.	
25	49	50	34.0	36.2	41.6	30.5	1.5	1.2	166	191	84	89	SW	1	SW	1	5	0	—	—	—	Fine.	
26	49	50	34.0	36.2	41.6	30.5	1.5	1.2	166	191	84	89	SW	1	NW	1	10*	5	02	—	—	※ 9a.-9.30a.	
27	49	50	34.0	36.2	41.6	30.5	1.5	1.2	166	191	84	89	SW	1	NW	1	0	5	03	—	—	Fine.	
28	29.29	29.44	35.5	36.5	38.9	30.5	0.3	0.9	202	198	97	92	SE	3	SW	1	10●	10	11	—	—	● 8a.-3p.	
M.	29.201	29.210	36.6	36.7	42.4	32.5	0.9	0.9	201	201	91	92	2.5	2.0	7.9	7.7	1.93	—	—				

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—FEBRUARY 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.		Percentage.												
			9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	*	*			ins.	hrs.	°					
2	29.41	29.13	40.3	40.2	44.1	39.3	1.2	0.5	225	239	91	96	SW	4	S	9	10	068	0.2	37	Dull. • afternoon.		
3	29.04	28.97	40.2	39.9	42.8	39.4	1.3	1.1	222	224	90	91	S	4	—	1	10	—	—	37	• early. Overcast day.		
4	28.96	29.10	35.9	36.1	40.2	34.9	0.4	0.3	204	207	97	97	W	2	W	4	100	030	0.3	31	∞ till 1p. Dull day.		
5	29.42	29.59	34.2	37.0	40.3	32.4	1.6	0.8	166	204	83	93	W	4	W	4	3	00	024	3.9	26	Fine 10a.-4p.	
6	35	32	46.2	45.9	51.0	37.0	0.6	1.8	299	268	96	88	SW	15	W	14	10	8	173	0.6	33	Squally 11a.-2p. • 2p.-6p.	
7	42	24	43.2	42.7	46.8	42.4	1.6	0.2	245	270	88	98	WSW	7	WSW	4	10	100	410	0.7	40	Dull day.	
8	09	04	36.5	35.7	43.4	35.3	0.8	0.5	200	200	93	96	N	7	E	4	10	•	067	—	32	• (sleet) 7.30a.-1p. • evening	
9	29.40	29.08	36.3	35.1	39.7	34.5	3.7	2.3	150	159	69	78	—	2	—	3	7	∞	—	0.3	28	∞ till noon. Dull.	
10	30.01	29.62	34	30.7	39.3	40.2	0.9	2.3	148	196	87	82	—	2	SW	7	9	∞	10	060	1.4	21	Cloudy. Dull after 2p.
11	54	54	45.2	42.5	49.3	38.6	1.2	2.5	273	220	91	81	SW	12	SW	10	10	7	076	0.9	36	• a. and 4p. Fine 1p.-3p.	
12	68	61	38.7	33.9	42.8	33.9	1.4	0.7	208	181	89	92	SW	7	W	10	8	10*	102	0.7	34	* 0.30p. ▲	
13	56	61	36.5	46.1	46.2	33.1	1.2	1.9	193	268	90	86	W	4	SW	15	8	10	—	1.2	26	Dull and cloudy.	
14	29.33	29.17	46.3	45.9	48.1	45.1	3.7	3.1	233	242	75	79	SW	15	SSW	26	10	9	166	—	42	Dull and overcast. • p.	
15	28.66	28.77	34.9	37.2	46.1	33.9	1.6	2.3	171	178	84	81	WSW	7	SE	14	4	∞	036	4.9	32	• early. * 7.40a.-8.40a.	
16	96	76	36.2	33.8	39.7	33.2	1.7	1.5	182	164	86	84	W	4	W	10	9	7	195	1.3	30	▲ * 4.40p. * 7p.	
17	41	84	35.2	36.2	40.4	32.7	1.2	0.9	182	197	88	92	SW	20	SW	11	9	10	421	2.1	25	☼. * (sleet) 10p.	
18	63	29.06	39.5	38.5	45.6	38.4	1.7	1.7	209	199	86	86	W	17	SW	4	10	4	119	0.6	34	Dull and squally. *	
19	61	28.32	44.2	45.2	50.1	37.4	1.4	2.1	259	253	89	85	SE	13	S	18	10	10	322	3.1	38	▲ 2p. - 2.10p. ☼ 10.30p	
20	68	28.14	38.9	42.4	45.6	38.5	2.3	2.9	193	212	83	79	S	15	S	13	2	10	254	2.7	32	* 5.30a.-9.30a. - 2p. • 5p.	
21	28.56	29.11	40.4	38.7	42.8	37.0	1.8	1.2	214	212	86	91	W	17	WSW	12	10	10	130	2.3	35	• 4a.-5a. and after 2p.	
22	28.56	29.11	40.4	38.7	42.8	37.0	1.8	1.2	214	212	86	91	W	17	WSW	12	10	10	180	0.4	35	Dull day. ▲ 3.30 p.	
23	29.44	28	36.1	35.8	41.4	34.4	2.8	0.8	162	195	75	93	—	3	NE	4	9	10	074	—	30	▲ early. ∞ till noon.	
24	48	48	36.9	36.5	41.9	34.1	1.5	1.7	191	184	88	85	WSW	7	SW	9	6	5	078	5.3	27	Fine day.	
25	07	18	34.3	36.5	38.1	32.9	0.7	2.2	184	175	93	81	E	7	W	8	10*	4	200	—	31	Overcast, with *.	
26	29.18	29.14	34.9	36.6	40.4	34.9	1.0	1.5	183	188	91	87	—	2	WSW	4	9	∞	9	—	19	26	Dull and cloudy.
27	28.97	29.23	35.9	34.3	40.4	32.9	1.6	3.0	182	142	86	72	ENE	6	N	4	6	2	—	2.5	31	Cloudy. Clear after 4p.	
28	29.55	29.54	34.9	36.3	43.1	32.3	2.2	2.5	160	169	79	78	NW	4	SSE	7	3	∞	218	4.7	24	Fine. ∞ all day.	
28	29.18	29.38	38.9	38.2	43.3	35.4	1.1	1.7	216	197	92	86	S	7	SW	7	10	9	130	0.1	33	• 5a.-1p. Cloudy day.	
M.	29.185	29.177	38.5	38.9	43.7	35.6	1.6	1.7	203	206	86	86	8	9	8.3	8.1	3.533	42	31.6				

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—FEBRUARY 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.						
							Dep. of Wet.		Vapour Pressure.	Percentage.														
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	36.8	35.2	39.5	34.0	0.8	0.2	202	202	93	98	S	1	S	4	9	10	ins.	hrs.	°	Cloudy day.		
2	29.33	29.13	36.8	35.2	39.5	34.0	0.8	0.2	202	202	93	98	SE	2	SE by E	2	10	10=	03	0.4	33	☉, = from 3.15p. *		
3	28.96	28.85	35.0	32.0	35.5	31.4	0.1	0.0	202	182	99	100	W	3	SW	1	9	9	33	—	33	☉. Dull day.		
4	28.83	28.90	35.0	34.0	38.2	31.2	1.0	0.5	184	190	99	95	W	3	W	2	6	9	09	32	53	Dull day.		
5	29.23	29.47	35.0	34.0	40.0	32.0	1.9	1.4	166	168	81	85	NW	3	W	2	6	4	30	59	30	Fine day.		
6	28.8	28.15	43.1	50.0	50.3	32.2	1.9	1.0	237	334	85	93	SW by W	4	SW by W	5	9	9	03	29	36	Dull day.		
7	29.31	29.13	43.0	47.3	50.1	40.2	1.2	0.9	251	304	99	94	W	4	SW	1	9	10	03	26	39	☉ Cloudy day.		
8	28.95	28.89	40.4	35.1	50.0	34.0	0.2	0.2	246	201	99	98	SE	4	NNE	2	10	10	57	—	40	Overcast day.		
9	29.16	29.53	34.4	33.0	39.4	31.1	1.0	1.0	179	167	89	89	NNW	4	NNW	2	4	8	02	29	32	* a. Cloudy.		
10	28.3	28.8	33.7	37.2	27.1	0.5	1.1	144	171	91	88	NW	2	SW	2	1	4	—	78	24	29	Fine day.		
11	29.00	29.13	42.4	44.0	47.0	32.0	2.4	2.3	221	238	82	82	SW by W	4	W	6	9	7	01	0.1	27	Overcast.		
12	29.44	29.33	40.3	35.2	44.6	34.0	2.3	1.3	204	181	82	88	NW by W	4	W	7	4	1	02	3.3	34	Fine day.		
13	29.54	29.53	33.0	43.6	43.6	30.8	1.0	1.5	167	250	89	88	W	4	SW	5	2	8	—	5.8	28	Fine day.		
14	29.49	29.26	46.7	43.5	49.0	41.3	4.7	3.5	217	210	69	74	W	5	S	5	4	9	02	1.3	36	Fine a., then cloudy.		
15	29.19	28.91	36.3	36.0	44.2	33.0	1.3	3.0	190	158	89	74	W	4	S	6	9	4	01	5.6	36	Fine day.		
16	28.52	28.52	35.9	33.0	43.0	32.0	1.0	2.0	194	147	92	78	NW	3	W	5	1	1	01	7.5	30	* a. Cloudy from 4p.		
17	28.85	28.92	36.2	39.4	41.3	31.1	2.1	1.6	175	210	82	87	W	7	S	4	3	9	28	5.0	28	Fine day. ● showers p.		
18	29.45	29.45	48.7	43.1	49.1	34.0	3.7	2.8	257	220	75	79	SW	7	W	7	4	2	20	0.8	32	● showers.		
19	29.48	29.48	43.8	36.1	45.2	33.9	1.7	1.5	248	185	87	86	SSW	6	S	1	9	2	03	5.2	38	● showers a. Fine day.		
20	29.59	29.59	44.1	44.6	49.2	34.0	0.6	1.3	276	205	95	90	SE	5	S	4	10	6	03	0.4	29	● showers.		
21	28.69	28.22	40.7	39.1	45.0	34.2	2.0	1.3	213	213	85	89	S	5	SSW	9	6	10	19	2.5	35	Cloudy day. ☞		
22	28.40	28.01	40.4	38.0	44.0	31.5	1.0	2.0	230	190	92	83	W	9	SW by W	6	8	4	02	2.5	35	☞ a. ● showers.		
23	29.34	29.15	35.9	37.0	41.7	30.9	1.9	0.2	176	216	83	98	S	2	SW	4	8	4	01	1.3	28	Dull, with ● showers.		
24	29.35	29.39	36.0	30.2	44.0	29.2	1.3	1.0	188	142	88	84	NW by W	1	SW	1	7	1	04	6.2	31	Fine day.		
25	29.03	29.01	33.0	34.9	36.0	27.0	0.0	1.0	188	183	100	91	SE	4	NW	5	10*	8	08	—	23	Overcast.		
26	29.00	29.05	32.0	34.7	41.3	28.0	0.8	0.7	162	188	89	93	NW	2	W	4	4	3	19	6.8	25	Fine day.		
27	28.78	28.98	32.7	33.4	35.0	28.8	0.0	0.3	186	185	100	97	NE	1	NW	3	10*	4	16	—	25	Overcast. *		
28	29.26	29.48	33.1	30.3	43.0	29.9	0.3	0.2	182	164	96	97	NNW	3	SW	2	3	2	02	6.8	28	Fine day.		
29	29.17	29.24	34.3	35.9	40.1	29.0	0.3	0.7	192	198	97	94	SSE	3	W	1	10	2	04	—	25	Overcast, with ●.		
M.	29.073	29.091	37.8	37.4	43.1	32.1	1.3	1.2	203	202	89	89							6.7	5.8	2.45	79	30.8	

## DOUGLAS, ISLE OF MAN, a.—FEBRUARY 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.

Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29.38	29.11	41.2	42.6	44.5	37.0	0.2	0.6	255	260	98	95	SW	1	S	4-5	9	100	291	1.9	31	Gloomy. ☉ after 8p.
2	28.95	28.88	40.5	37.0	43.3	36.5	0.5	0.8	241	204	96	93	W	1	W	1	9	4	147	0.1	32	Dull. ☉ 1p.-3p.
3	28.89	29.01	37.0	37.7	42.2	34.7	0.6	1.5	208	197	95	87	W	1	NNW	1	9	2	094	3.4	28	☉ (sleet) ▲ a. Fine later.
4	29.36	29.56	36.5	37.0	43.0	34.9	1.3	0.8	191	204	89	93	WNW	2	WSW	1	3	1	154	6.0	30	▲ a. Very fine.
5	29.42	29.37	45.2	50.0	51.7	36.8	0.0	0.4	301	350	100	97	SW	3-4	SW	5-6	10	100	069	—	30	☉ till 10a. ☉ till 2p.
6	29.41	29.25	48.1	48.1	51.0	47.0	0.1	0.1	334	334	99	99	WSW	3-4	SW	3	10	100	377	—	45	☉ till 1p. ☉ after 5p. T
7	29.01	28.96	49.4	43.1	51.0	42.8	1.0	1.6	327	244	93	87	WSW	5-6	WSW	4-5	9	3	047	2.0	47	☉ a. Gloomy till 11a. and ☉ from 2p.
8	29.32	29.52	39.6	39.0	43.5	36.9	2.7	1.6	192	207	78	87	NW	3-4	NNW	3-4	8	8	040	2.8	35	Cloudy.
9	29.02	29.33	40.6	44.8	44.8	30.0	2.2	1.7	143	218	76	87	NW	1	SW	1	4	4	045	6.3	25	Very fine.
10	29.68	29.59	44.5	42.5	47.6	40.0	0.2	2.0	288	230	98	85	SSW	4-5	WSW	4-5	10	100	043	0.5	25	☉ till noon. ☉ 3p.
11	29.52	29.54	41.5	37.0	43.3	36.5	1.9	1.7	223	187	86	85	SW	3-4	W	3-4	8	0	069	4.6	37	T 8a. ▲
12	29.66	29.65	37.4	45.5	47.0	34.0	1.1	0.8	202	287	91	95	W	1	SW	2	2	2	025	—	39	☉ 1p. ☉ 4p.-7p.
13	29.58	29.23	45.0	45.0	47.0	44.3	1.0	1.9	275	255	92	86	SSW	3-4	S	6-7	9	10	175	—	36	Dull and squally.
14	29.32	28.74	36.9	39.9	46.3	36.9	2.3	0.9	177	227	81	93	WSW	3	S	10	2	100	—	5.8	31	☉ a. ☉ after 5p. <
15	28.65	28.81	34.0	37.0	43.5	34.0	2.0	3.0	156	165	79	75	WSW	3-4	WSW	5-6	3	7	—	8.2	31	Fine, but squally.
16	29.01	28.78	38.8	42.0	46.2	35.5	2.0	0.9	197	280	84	93	WSW	4-5	SSW	6-7	3	10	400	5.4	32	Squally till 3p. ☉ 5p.-9p.
17	28.52	28.66	45.3	44.6	47.9	43.7	2.2	1.3	252	265	84	90	S	6-7	S	3-4	9	10	180	0.9	35	Dull. ☉ showers noon.
18	29.77	29.96	41.0	42.2	46.2	39.3	1.7	0.9	221	250	86	92	WSW	5-6	SSE	1	7	4	194	4.8	38	Fine and squally till 2p.
19	29.49	29.32	46.0	44.9	48.3	42.0	1.9	1.0	267	275	87	93	SSE	4-5	S	4-5	4	9	113	1.6	39	☉ a. and after 3p. ☉ 3p.
20	29.61	29.15	41.8	42.9	46.1	41.8	1.3	2.8	238	218	90	80	S	3-4	S	9-10	10	100	506	0.3	36	☉
21	28.67	29.15	40.2	39.0	45.7	38.0	1.2	2.8	224	185	90	78	WSW	5-6	WSW	3-4	9	4	041	1.4	38	☉ (sleet) ☉ showers.
22	29.29	29.24	41.2	39.3	42.5	34.1	3.3	2.3	194	196	75	82	ESE	3-4	W	7-8	9	9	182	0.7	28	☉ ☉ (sleet) ☉ showers.
23	29.44	29.38	40.3	44.0	44.0	34.5	1.9	3.2	192	188	84	75	WSW	2	NNW	5-6	4	4	266	8.8	30	Very fine.
24	28.95	29.07	37.8	41.0	42.7	32.8	2.6	2.3	179	210	79	82	N	1	S	2	6	9	170	4.0	33	☉ till 11a. ▲ 4p. *
25	28.75	28.75	37.0	38.0	42.2	35.9	0.6	2.5	208	182	95	79	NE	1	NW	2	9	3	001	3.0	30	☉ ☉ (sleet) showers 10a.-1p.
26	29.48	29.48	41.0	40.5	45.5	36.5	2.0	1.1	199	228	78	91	NW	2	SSE	2	4	9	440	8.1	29	Very fine.
28	29.14	29.37	37.9	45.8	37.2	0.7	1.7	259	195	95	86	WSW	3	W	3	10	2	100	111	2.7	33	☉ a. Fine afternoon. *
M.	29.151	29.150	40.7	41.2	45.6	37.5	1.4	1.6	227	229	88	87							4.413	93	32.9	

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—FEBRUARY 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.

Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +.023 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.										Percentage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°			
1	ins.	ins.													ins.	hrs.	°	Dull and misty. ☉ <sup>0</sup>		
2	29.34	29.13	38.2	38.2	40.3	36.8	0.2	0.2	.226	.226	98	98	SSW	4	S	14	10	10	Gloomy. Mist and ☉ after 4p.	
3	28.90	28.82	38.6	36.3	40.7	35.3	0.6	0.	.222	.208	95	97	S	5	—	0	10	100 <sup>0</sup>	Cloudy. * ☉ 2p.—4p.	
4	28.86	28.93	36.0	35.5	38.3	34.3	0.7	0.5	.199	.198	94	95	—	1	—	2	10	5	Fine day.	
5	29.26	29.51	37.0	33.6	41.0	31.0	1.0	0.6	.200	.181	91	93	WNW	6	—	0	4	5	☉ all day.	
6	.42	.33	38.0	47.0	49.3	32.0	0.6	0.2	.216	.318	95	99	—	2	WSW	12	10	100	☉ showers all day.	
7	29.34	29.21	46.0	48.4	49.0	45.5	0.0	0.3	.311	.332	100	98	SW	6	SW	9	100	100	☉ all day.	
8	28.98	28.90	47.9	44.0	49.0	43.3	0.1	1.6	.331	.252	100	87	WSW	17	W	14	100 <sup>2</sup>	10	☉ all day.	
9	29.15	29.47	36.7	35.5	44.5	34.3	1.4	1.4	.191	.181	88	87	N	6	—	1	9	5	☉ all day.	
10	.86	.90	31.3	35.0	41.2	28.3	0.9	1.0	.154	.184	87	90	—	0	—	2	0	5	☉ all day.	
11	.69	.54	38.0	42.3	45.4	32.3	1.0	1.0	.208	.249	91	92	SW	10	SW	10	10	0	☉ all day.	
12	.51	.46	39.0	36.0	43.5	35.3	1.3	0.8	.212	.197	90	93	SW	4	W	6	4	5	☉ all day.	
13	.58	.62	36.2	42.2	42.8	32.1	0.8	2.2	.199	.223	93	84	—	2	—	2	6	100 <sup>0</sup>	☉ all day.	
14	29.26	29.30	43.5	44.0	48.0	42.2	1.3	2.3	.253	.238	90	82	SW	4	S	17	7	100	☉ all day.	
15	28.85	28.85	36.2	37.0	44.0	35.0	1.1	2.0	.193	.182	90	83	W	8	S	22	4	100	☉ all day.	
16	28.58	.74	37.0	36.2	42.0	35.3	1.0	2.1	.200	.175	91	82	W	6	WSW	7	6	5	☉ all day.	
17	.97	.87	37.8	40.0	43.0	34.5	1.8	1.0	.192	.226	85	92	WSW	10	S	22	5	100	☉ all day.	
18	.58	.88	50.0	45.0	51.0	40.0	4.3	2.6	.259	.241	72	81	SW	23	SW	7	9	10	☉ all day.	
19	.71	.96	42.7	41.0	47.0	40.0	2.5	1.4	.222	.227	81	89	WSW	23	S	7	10	8	☉ all day.	
20	.52	.37	48.1	46.0	50.2	41.0	1.8	2.3	.291	.259	87	84	SSE	32	S	26	100	100	☉ all day.	
21	.69	28.23	41.0	39.8	46.0	38.0	2.8	2.8	.201	.191	78	78	S	21	S	29	10	7	☉ all day.	
22	28.67	29.11	41.7	40.0	45.5	37.8	3.5	2.2	.196	.203	74	82	SW	22	SW	11	10	8	☉ all day.	
23	29.28	.21	36.0	39.0	41.8	32.5	2.0	2.7	.175	.186	82	79	—	2	SW	15	10	10	☉ all day.	
24	29.38	.42	37.0	35.6	43.5	33.5	3.0	1.5	.165	.181	75	86	WSW	4	—	2	4	4	☉ all day.	
25	28.92	.12	39.0	37.2	42.2	31.3	1.2	2.8	.214	.170	90	77	SSE	17	W	10	10	4	☉ all day.	
26	.96	29.05	32.2	35.3	42.0	30.1	1.4	1.3	.151	.181	82	58	NNE	5	—	2	5	4	☉ all day.	
27	28.70	28.99	37.0	36.2	39.4	32.3	1.0	2.2	.200	.173	91	81	—	2	NW	10	5	8	☉ all day.	
28	29.32	29.45	37.0	34.0	42.7	32.3	3.0	1.3	.165	.170	75	86	N	9	—	2	2	7	☉ all day.	
29	29.15	29.28	38.9	38.0	42.7	32.0	1.0	1.0	.218	.208	93	91	S	19	WSW	4	10	8	☉ all day.	
M.	29.113	29.130	39.2	39.2	44.1	35.3	1.5	1.5	.213	.213	88	88	10	9	7.5	7.4	5.619	65	31.8	Overcast. ☉ showers from 3p.

## SHREWSBURY, SHROPSHIRE.—FEBRUARY 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.	°			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	%	%	S	†	SSW	2	9.0	10	0.2	—	37	● 11a. Dull day.	
2	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	98	100	SE	1	NW	2	10	0	0.4	—	33	Dull day. ● 1.30p.—3p.	
3	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	100	93	SE	1	NW	2	10	0	0.4	—	27	Fine bright day.	
4	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	100	91	SSE	1	NW	2	4	0	0	—	29	Fine bright day.	
5	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	83	92	W	2-3	NW	1	0	0	0.5	—	23	Overcast day. ● at times.	
6	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	93	92	SW	2	SSW	5	10	10	0.05	—	29	Dull day.	
7	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	86	87	W	1	W	2	10	10.0	—	47	Dull and cloudy.		
8	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	85	85	WSW	1-2	NW	4	10	0	0.3	—	35	Dull a. Bright afternoon.	
9	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	91	98	NW	5	NW	1	10.0	0	0.8	—	32	Bright from 10a.	
10	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	96	88	NW	1	SW	1	9	0	—	28	Dull day. ● evening.		
11	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	88	83	SW	2	SW	3	10	7	0.2	—	31	Bright, with ● showers at times.	
12	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	88	83	SW	2	SW	2	5	0	0.4	—	28	Dull day. ● evening.	
13	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	100	85	WNW	1	WNW	2	0	0	—	28	Bright day.		
14	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	80	84	SW	2	SSE	5	6	8	0.6	—	31	Bright day.	
15	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	91	86	W	2	SW	7	1	10.0	0.4	—	31	▲ 2a. Fine day. ● p. /.	
16	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	88	83	SW	2	SW	3	1	0	—	31	Fine day.		
17	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	75	75	WSW	3	SW	4	3	10	0.3	—	29	● showers from noon.	
18	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	75	85	SW	8	SW	7	10	2	0.6	—	41	● a.	
19	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	86	86	SW	8	SW	8	4	4	0.4	—	47	Fine day. /	
20	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	89	86	SSW	5	SSW	6	9	7	0.17	—	35	● a. ● showers.	
21	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	79	82	SSW	6	SSW	8	10	8.0	0.39	—	34	● a.	
22	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	66	81	SW	8	SW	3	4	7	0.7	—	36	/ a. ▲ 10a.	
23	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	189	91	SW	2	SW	3	10	3	0.3	—	31	● showers a. Bright p.	
24	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	85	98	SW	2	WSW	1	4	0	0.12	—	28	Fine day. ● at times.	
25	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	178	91	SW	3	WSW	2	10.0	9	0.25	—	28	● showers.	
26	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	97	87	N	1	SSW	2	10.0	4	0.10	—	30	* ● a. Bright p.	
27	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	87	89	SW	2	WSW	2	5	10	0.13	—	31	● early, and from noon.	
28	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	76	92	NW	3	NW	1	7	0	—	31	Bright day.		
29	29.54	29.35	42.0	41.1	43.0	40.9	0.2	0.0	in.	in.	92	91	S	3	W	2	10	0	0.05	—	29	Dull, with ● showers.	
M.	29.333	29.351	41.0	39.8	47.9	34.9	1.7	1.5	227	219	88	88	2.9	3.3	6.8	4.3	2.045	—	32.6	—	—	—	—

## CAMBRIDGE, a.—FEBRUARY 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +.019 in.

1	29'84	29'66	38'2	35'0	42'0	34'5	1'2	1'7	206	170	90	83	S	3-4	SSE	2	8	10	0'8	1'4	26	Cloudy day.
2	29'39	29'23	36'0	37'9	38'0	34'1	0'1	0'2	210	223	99	98	SE	3	Calm	0	100 <sup>0</sup>	0	16	—	26	Overcast day.
3	29'22	29'31	35'4	33'5	42'8	31'3	0'0	0'0	207	192	100	100	S	1	SW	1	100 <sup>0</sup>	0	—	2'0	20	Overcast till 2p.
4	29'56	29'88	32'0	30'0	42'4	28'3	0'5	0'2	170	161	93	97	W	1	Calm	0	0 <sup>00</sup>	0	—	3'1	17	Sunny intervals.
5	29'95	29'76	35'2	50'0	50'3	25'4	0'4	0'7	198	342	96	95	S	2	SW	5	100 <sup>0</sup>	10	0'7	—	15	Overcast day.
6	29'77	29'70	49'8	48'4	53'9	48'0	0'8	0'4	337	330	94	97	SW	2	SW	3-4	10	5	0'2	1'1	39	Cloudy. • after 2p.
7	29'46	29'33	51'0	47'5	54'0	47'0	1'7	2'7	331	266	88	82	SW	5	SW	4-5	9	9	0'1	0'2	36	Overcast day. • at times.
8	29'78	29'78	41'9	36'0	47'7	36'0	1'9	1'0	226	193	86	91	WSW	2	W	3-4	8 <sup>00</sup>	0	1'3	0'5	27	• 10a.-4p.
9	30'17	30'31	32'5	28'0	43'0	27'9	0'5	0'0	174	153	94	100	W	3	Calm	0	0 <sup>00</sup>	0	—	7'1	18	Sunshine 9a.-4.30p.
10	30'02	30'01	35'0	44'2	44'7	27'9	2'0	0'5	164	279	80	97	S	1	SW	3	100 <sup>0</sup>	0'3	2'9	15	Overcast from noon.	
11	29'97	29'87	39'9	35'0	49'1	34'5	0'9	1'0	227	184	93	90	S	2	Calm	0	0 <sup>00</sup>	0	0'3	2'5	21	Fine a. • after 2.30p.
12	29'66	29'06	34'0	39'0	46'0	28'5	2'0	1'8	156	203	79	86	SW	2	SW	2	0	10	—	6'5	16	Fine day.
13	30'04	29'84	42'9	43'6	52'4	38'5	0'5	1'5	265	250	96	88	S	2	S	4-5	10 <sup>00</sup>	0'3	2'5	29	Overcast a. Sunny from noon.	
14	29'66	29'48	40'3	37'0	45'3	33'5	1'3	2'4	223	175	90	80	S	2	SE	4	10	10	28	3'1	33	Overcast a. • 6p.-7p.
15	28'96	29'15	47'0	37'0	47'1	35'5	1'5	2'0	222	177	88	83	SW	2	W	3	0	0	0'1	7'5	20	• n. Sunny 8a.-4p. • 6.30p.
16	29'43	29'49	37'5	42'2	48'0	30'0	2'5	1'5	177	237	79	89	SW	1	SW	4	10	10	—	6'7	18	Sunny 7.30a.-3p. • after 8p.
17	29'24	29'45	51'7	47'9	56'0	42'0	2'5	3'0	319	264	83	80	S	7	SW	6	10	8U	19	3'7	30	• 11a. after 2p.
18	29'32	29'45	49'3	42'6	53'3	42'5	3'6	1'6	266	238	75	87	SW	6	SW	2	8	1	0'3	5'7	33	• n. • 3.30p.-4p.
19	29'11	29'00	49'0	49'0	53'0	41'5	3'0	3'8	276	259	79	74	SE	4	S	8	10	9	—	0'4	27	Overcast day. • n.
20	29'27	29'89	45'1	45'0	50'0	40'0	3'1	3'0	232	233	77	78	SE	4-5	S	7	5 <sup>00</sup>	8U	22	3'0	27	• n. Sunny a. • p.
21	29'29	29'56	45'1	41'0	50'0	40'5	4'5	2'0	206	215	69	84	SE	8	SW	2	0	8	—	5'6	31	• n. Sunny till 1p.
22	29'70	29'73	43'7	39'1	46'5	36'0	1'4	0'1	254	237	88	99	SSE	3	SW	2	9 <sup>00</sup>	0	2'6	1'0	23	• 11.30 a.-3.30p.
23	29'77	29'85	40'2	35'3	48'0	35'0	0'9	0'3	231	201	92	97	SW	2	W	2	10	0	0'8	3'3	24	Overcast a. • 4p.-4.30p.
24	29'46	29'60	40'6	34'4	47'0	31'0	0'8	1'4	236	204	93	88	S	5	SW	4	9	7	19	3'7	• a. Sunny intervals p.	
25	29'54	29'54	43'4	34'0	50'0	33'9	0'2	0'8	273	180	98	91	SW	2	W	2	10 <sup>00</sup>	0 <sup>00</sup>	1'1	1'5	27	• 4a.-9a. Cloudy day.
26	29'14	29'26	41'5	36'1	48'5	32'7	1'9	0'3	223	207	86	97	SW	2	NW	4	2	10 <sup>00</sup>	3'8	20	Sunny till 4.30p. • 8p.	
27	29'59	29'84	38'0	31'0	43'6	30'5	2'6	0'0	180	174	78	100	NW	4	Calm	0	2	0	—	4'0	23	Sunny a. • at times.
28	29'72	29'68	38'3	40'5	45'0	28'0	1'2	0'5	207	241	90	96	SE	2	Calm	0	10 <sup>00</sup>	9	0'6	—	18	Overcast day.
M.	29'563	29'597	41'0	39'4	47'8	34'8	1'6	1'2	228	221	88	90		3'0		2'8	6'2	5'1	2'02	86	24'1	

SOUTHAMPTON, HAMPSHIRE, a.—FEBRUARY 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 24'$  W. Lat.  $50^{\circ} 55'$  N. Gravity Correction,  $+0.16$  in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.	Min.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
	ins.	ins.	°	°	°	°	in.	in.	%	%	†	†					ins	hrs.	°				
1	29.81	29.63	41.0	41.4	45.0	38.9	2.9	2.2	.199	.216	78	84	SW	4	SW	5	10	10	1.60	1.0	34	Fine.	
2	'30	'24	40.1	37.4	44.9	37.1	0.4	0.5	.240	.214	97	96	SE	5	SW	3	10●	0	.090	0.7	28	● till 1.30p.	
3	'21	'31	36.9	34.9	44.8	34.1	0.3	0.8	.213	.187	97	92	SW	4	W	1	10	0	.010	2.1	25	● showers a. — p.	
4	'62	'90	35.2	35.0	46.0	30.9	0.8	0.9	.190	.186	92	91	NW	3	NW	3	1	0	.008	7.0	24	— a. Fine.	
5	'99	'89	42.6	47.4	48.4	29.6	0.3	0.1	.267	.325	97	99	SW	3	SW	3	10≡	10	.070	—	20	≡ 3p. Dull and damp.	
6	'83	'77	50.6	50.4	52.3	47.4	0.6	0.7	.353	.349	96	95	SW	2	SW	2	10	10	.030	—	16	● noon and 2p. Dull.	
7	'56	'46	51.0	47.4	53.1	47.2	1.4	2.7	.338	.204	90	82	SW	3	NW	3	10	3	.050	0.2	14	Misty, with ● showers.	
8	29.41	29.79	43.4	37.6	48.0	37.3	1.3	1.6	.253	.194	90	86	NW	3	NW	3	10	0	—	1.7	33	Fine.	
9	30.16	30.32	36.2	33.1	44.9	30.8	1.1	0.9	.193	.170	90	90	NE	2	NW	2	0	0	—	7.6	20	Fine. — p.	
10	'22	'30	42.8	45.0	46.1	30.9	2.5	0.5	.223	.287	81	96	SW	3	SW	3	10	2	.060	—	20	● 4p.-8p.	
11	30.01	29.93	44.3	37.0	50.1	36.4	0.5	1.3	.279	.195	96	89	SW	2	NW	3	3	0	.019	4.5	26	▲ a. ● 2.30p.-3.30p.	
12	29.98	30.07	37.0	43.1	48.9	32.4	0.9	1.5	.202	.246	92	88	NW	3	SW	2	0	10	—	6.0	24	Fine.	
13	30.05	29.83	46.0	45.5	49.1	42.6	0.8	0.9	.292	.284	94	94	SW	2	SW	5	10≡	10	.400	—	39	≡ early a. Dull and misty.	
14	29.69	'49	38.4	43.6	47.6	35.9	0.8	3.2	.216	.217	94	76	NW	3	SW	5	10	10	.790	5.0	33	● till 8a. Fine day.	
15	'01	'20	43.2	35.7	49.0	35.2	1.5	1.4	.247	.184	89	87	NW	3	W	3	0	0	.040	5.7	31	● ~ 2p. ⚡. — p.	
16	'51	'51	42.3	47.0	48.6	31.7	3.4	1.6	.202	.284	75	80	SW	3	SW	4	0	10●	.150	5.7	20	Fine. ● showers p.	
17	'34	'48	50.0	48.0	54.1	46.5	0.9	1.7	.327	.292	94	88	SW	7	SW	4	10	3	.190	1.7	45	● showers till 10.30a.	
18	'36	'29	41.0	49.0	46.3	52.4	46.1	2.9	1.7	.278	.274	80	88	SW	5	SE	3	6	4	.050	5.3	42	till 5a. ☽
19	'03	'28	49.7	50.0	48.7	52.4	45.8	2.9	3.5	.288	.261	81	76	SE	5	SW	6	10,	8	—	1.3	40	● 4a.-6a. Fine day. ☽
20	'27	'28	46.3	43.2	49.1	39.5	3.2	1.9					SW	5	SW	6	10	2	.460	0.4	35	● noon-4p. ☾ 8p. ▲ mid	
21	'32	'57	48.2	43.0	48.6	42.9	4.6	1.4	.234	.247	70	89	SW	5	SW	3	10	1	.040	—	39	● shower noon.	
22	'05	'76	46.1	44.4	48.1	42.6	0.9	1.2	.291	.265	93	91	SW	3	SW	4	10	2	.470	1.4	36	● 9.15a.-1.30p.	
23	'78	'87	42.0	36.4	48.6	36.2	0.9	0.9	.247	.199	93	93	SW	3	SW	3	4	0	.380	4.8	34	● 1a.-6a. ● showers 4p. and 1	
24	'42	'05	44.5	43.7	49.2	35.2	1.2	2.7	.266	.227	90	79	SW	5	SW	3	10●	9	.230	5.8	25	● 4a.-6a. and 9a.-11a. ☽	
25	'27	'57	45.2	39.0	52.1	38.7	1.9	2.0	.258	.199	86	84	SW	5	SW	4	10●	10	.100	2.1	34	till 6a. Dull p.	
26	'14	'31	41.6	40.5	49.5	38.0	1.5	3.4	.231	.186	89	74	SW	4	NW	6	1	4	.015	3.6	31	● showers 4p. and 6.30p.	
27	'67	'85	41.8	36.0	47.5	34.1	4.0	1.1	.189	.191	73	90	NW	5	NW	4	0	0	.020	8.4	26	Fine.	
28	29.68	29.73	43.0	38.3	47.1	34.9	0.6	0.8	.264	.215	95	94	S	4	NW	3	10●	0	.220	—	25	● 6a.-11a., then ● till 4p.	
M.	29.581	29.625	43.5	41.8	48.8	37.8	1.6	1.5	.251	.236	88	88	3.7	3.5	7.0	4.2	4.133	82	31.9				

## PLYMOUTH, DEVONSHIRE, a.—FEBRUARY 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +·015 in.

1	29°64	29°50	45°6	46°4	48°2	44°6	0°3	1°4	300	282	98	90	S	26	S	13	10●	9	41	0°2	44	Dull, with ● showers.
2	22	15	42°6	42°2	50°0	40°8	0°7	0°6	258	256	94	95	SW	5	SW	6	9	10●	12	49	40	● showers.
3	20	30	39°1	38°0	46°8	37°1	1°3	5°2	213	139	89	61	NW	4	W	4	6	1	04	6°3	32	Fine and sunny.
4	64	91	40°7	42°4	47°3	37°2	2°5	0°8	204	254	81	94	N	12	—	3	1	10	02	3°5	33	Fine a. Dull p.
5	93	89	46°1	50°0	50°2	40°8	0°0	0°7	312	342	100	95	—	2	—	3	10≡	10	12	—	39	Dull, with ●.
6	85	79	50°4	49°8	53°0	48°9	0°2	0°4	362	348	98	97	SSW	11	WSW	7	10●	10	11	—	48	Dull, with ●.
7	59	46	49°8	47°1	52°4	46°8	0°3	2°5	351	265	98	82	WSW	14	W	14	10● <sup>0</sup>	2	18	0°1	45	Dull all day.
8	29°52	29°80	44°0	40°8	47°3	40°4	3°3	3°2	218	193	75	76	N	24	N	13	8	0	—	7°2	38	Fine, but with cold wind.
9	30°10	30°27	40°0	37°8	45°8	37°4	2°6	1°2	196	204	79	90	N	11	—	1	0	0	—	7°9	32	Fine and sunny.
10	30°15	29°99	46°6	45°0	48°6	34°9	2°8	1°2	254	271	—	81	SW	17	SSW	5	10	0	06	—	32	Dull, with ● showers.
11	29°99	29°92	46°0	43°3	49°6	42°7	1°3	1°7	280	244	91	87	W	10	SW	9	4	6	22	3°4	41	Dull, with ● showers.
12	94	30°03	39°8	45°2	49°0	37°9	0°7	0°2	230	297	95	99	—	3	—	1	0	10● <sup>0</sup>	02	2°4	32	● showers in afternoon.
13	98	29°68	47°9	47°7	49°0	44°7	1°3	0°2	301	326	91	99	S	5	SSE	29	10	10● <sup>0</sup>	24	—	44	Dull and gloomy.
14	69	28	39°6	45°4	47°8	37°2	1°4	0°0	215	304	89	100	—	3	SSW	44	2∞	10●	75	5°4	32	Dull p. 11p.—midt.
15	03	23	44°6	39°9	49°4	36°7	0°9	3°1	274	187	94	76	WSW	12	NW	8	10	3	02	5°8	39	● showers.
16	49	40	43°0	48°6	50°2	37°0	2°4	0°4	226	333	82	97	W	12	SSW	27	4	10●	13	3°8	30	● showers. Rough n.
17	25	28	51°0	49°6	52°8	47°7	1°7	0°9	331	332	88	94	WSW	34	SSW	30	6	10	18	2°1	47	Dull. 10p.—11p.
18	29°27	29°15	47°3	48°4	51°7	45°3	1°9	2°1	280	288	87	85	SSW	13	SSE	29	6	7	19	5°0	43	☞ a. Fine.
19	28°78	28°95	50°0	49°6	51°4	46°6	2°9	2°0	288	305	81	86	SSW	44	SSW	27	7	6	13	1°0	45	Dull. 1a.—4a. and 8a.—5p.
20	28°93	28°85	46°2	45°0	51°0	38°5	1°2	3°8	285	218	92	73	S	44	SSW	36	10●	2<	33	—	39	Dull. 8a.—2p. and 11p. [midt]
21	29°26	29°50	45°3	42°0	49°0	37°7	2°6	2°0	245	225	81	85	SW	10	SW	5	10	10●	14	0°8	37	Dull.
22	54	67	43°7	45°6	50°6	40°8	1°1	2°5	260	250	91	82	SSW	23	WSW	10	10●	9●	12	3°2	36	● showers a. Fine p.
23	76	77	40°8	44°0	48°8	38°0	1°1	5°1	232	186	92	64	—	1	WSW	11	3∞	5	—	31	38	Fine.
24	47	60	43°6	45°0	51°6	41°1	2°1	2°2	239	249	84	84	WSW	11	WSW	10	8●	10	38	8°0	38	Fine and sunny.
25	25	45	48°7	45°0	50°3	42°8	3°0	1°2	272	271	80	91	N	25	W	8	8●	10	33	5°1	41	Fine. ● p.
26	14	45	48°3	43°6	48°0	41°8	3°0	2°4	215	232	78	82	W	6	NW	15	9	4	10	15	41	● showers.
27	75	79	43°3	44°6	47°3	38°4	3°5	4°3	208	206	75	70	N	15	SW	8	7	10	50	3°4	35	Intermittent sunshine.
28	29°51	29°72	48°8	41°2	50°2	41°2	0°1	2°6	343	207	99	80	SW	20	NNW	7	10●	0	03	2°9	41	● showers a. Fine afternoon.
M.	29°531	29°563	44°9	44°8	49°5	40°9	1°7	1°9	264	258	88	86		15		14	7°1	6°6	5°23	93	38°4	

\* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—FEBRUARY 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		Percentage.											
9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°				
1	ins.	ins.						in.	in.	%	%	S	*			ins.	hrs.	°				
2	29.40	29.08	36.7	41.0	42.2	36.0	0.5	0.8	208	239	96	94	S	7	SSW	10	10	10	083	—	35	● from 4p.
3	28.99	28.95	36.0	29.9	42.1	29.9	0.4	0.5	204	153	96	92	SSW	5	—	1	10	0	038	—	35	Overcast.
4	29.00	29.17	35.7	33.0	42.3	27.0	0.7	2.2	196	143	94	76	SW	8	—	3	9	0	020	3.8	27	Fine and sunny.
5	48	59	33.7	38.8	42.8	31.8	1.0	1.2	173	213	89	90	SW	7	SSW	3	0	10	107	4.5	25	— ☐ a. Fine and sunny.
6	46	43	50.0	51.2	51.8	37.4	0.8	0.4	339	366	94	98	SW	13	SW	12	10	10	130	—	35	Warm and damp.
7	49	28	48.0	50.0	53.0	40.0	2.9	0.8	205	339	80	94	—	3	SSW	13	10	10	233	—	45	Warm and damp.
8	10	04	50.0	40.2	51.7	40.2	3.0	2.2	286	205	80	83	WSW	12	SW	10	10	4	160	0.7	48	● showers.
9	29.49	74	35.3	34.8	45.2	34.5	0.9	1.3	189	176	92	88	NW	4	W	4	10	9	037	4.3	30	● showers.
10	30.03	92	34.1	40.7	44.3	30.0	1.1	2.7	175	200	88	79	SW	4	S	11	8	10	020	5.0	25	— early a. Fine and bright.
11	29.04	63	48.8	40.1	52.0	40.1	1.8	3.8	300	176	87	70	SSW	18	SSW	11	10	0	073	4.6	37	Fine and bright.
12	54	65	36.3	34.3	43.1	34.3	0.9	1.8	198	163	93	82	S	14	SW	4	10	10	083	3.3	33	* (sleet) * showers.
13	69	69	35.2	43.8	49.0	31.4	0.3	2.0	200	243	97	84	S	10	S	10	10	4	073	—	28	— early a. ● showers.
14	52	29.19	45.5	41.3	48.5	41.3	2.5	2.0	248	219	82	84	S	13	SSW	15	10	10	200	—	41	Overcast. ● showers from 7p.
15	28.72	28.69	32.9	38.0	46.5	31.0	1.6	1.4	154	201	82	88	S	12	SSW	15	0	5	227	3.6	29	— early a. ● showers.
16	58	90	35.0	33.1	41.0	33.1	1.5	3.1	174	128	85	68	SSW	12	SW	11	8	9	205	4.3	30	— a. ● (sleet) * showers.
17	29.07	70	33.0	47.0	47.0	31.3	1.0	1.7	167	282	89	88	SSW	11	S	21	0	10	250	4.5	30	☐. ● from 4p.
18	28.37	80	45.0	41.8	51.1	41.8	3.0	2.8	233	209	78	79	S	23	S	7	10	9	295	2.1	38	● showers.
19	84	94	41.3	41.0	48.0	37.0	3.2	3.4	197	190	76	74	SSW	13	SE	8	2	10	600	6.9	34	Very fine.
20	36	28.33	44.7	42.7	49.0	40.7	1.6	2.0	259	232	88	85	SE	18	SSW	13	10	9	212	1.3	36	Stormy, with ● showers.
21	54	27.94	37.9	39.5	46.8	34.9	2.2	0.9	187	224	82	93	SE	13	S	15	10	10	025	0.4	33	Stormy, with ● showers.
22	28.73	29.20	39.0	34.0	42.1	34.0	1.1	2.3	216	150	91	77	SW	13	SW	12	10	0	013	0.7	37	Fine. A few ● showers.
23	29.32	39	36.3	35.5	41.7	33.4	1.1	0.5	194	198	91	95	E	4	WSW	4	10	8	050	2.4	30	● showers from 3p.
24	51	40	36.0	37.0	45.0	32.0	1.3	3.5	188	157	88	72	SW	7	SSE	15	8	4	090	7.3	29	— early a. Very fine.
25	11	26	39.0	33.4	44.1	33.4	2.3	2.4	194	143	82	75	WSW	7	SW	7	10	8	005	5.1	32	Very fine.
26	29.22	03	30.8	30.8	46.0	27.0	1.0	1.5	147	199	86	87	SSW	4	SE	10	3	10	192	3.8	22	— a. Fine. ● from 8p.
27	28.93	31	36.2	32.3	46.0	32.3	0.3	0.3	208	177	97	97	N	6	W	4	10	3	070	2.9	34	● showers.
28	29.60	42	39.1	37.5	47.8	31.2	1.6	3.7	208	158	87	71	—	2	S	14	10	10	177	3.2	25	— early a. Fine.
28	29.20	29.47	40.0	36.3	49.0	36.0	1.0	2.3	226	172	92	80	W	7	WSW	4	10	10	012	5.1	35	Fine.
M.	29.203	29.182	39.0	38.8	46.4	34.6	1.5	1.9	212	202	88	84		10		10	8.1	7.2	4.530	8.0	32.8	

## MARKREE CASTLE, SLIGO, a.b.—FEBRUARY 1910.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, +·024 in.

1	29'46	29'22	34'0	42'0	43'7	30'0	0'3	0'2	'190	'263	97	98	SE	1	Calm	0	10≡	100	'34	—	30	≡ <i>a.</i> ● <i>p.</i>	
2	'09	'09	35'0	37'0	40'0	32'5	0'5	1'0	'194	'200	95	91	Calm	0	Calm	0	10	100	'06	5'3	29	Fine and bright. ● <i>n.</i>	
3	'14	'32	39'0	38'0	44'7	31'9	2'0	2'0	'199	'190	84	83	Calm	0	NW	2	5	3	'16	5'8	29	▲ showers.	
4	'66	'67	38'5	41'0	42'9	32'2	0'5	1'0	'223	'235	96	92	W	2	S	2	10	10	'20	—	39	▲ <i>n.</i> Dull and cold.	
5	'57	'58	49'8	51'0	53'5	39'9	0'8	0'5	'337	'361	94	97	SSW	2	Calm	0	9	10	'17	—	46	Mild, with ● showers.	
6	'58	'58	49'7	50'8	52'5	37'9	0'7	0'8	'338	'351	95	94	S	2	SW	1	10	100	'30	—	46	Dull <i>a.</i> ● <i>p.</i>	
7	'28	'17	50'0	41'0	52'0	39'9	2'0	1'0	'309	'235	86	92	W	3	SW	2	10	10	'31	0'7	34	Mild, with ● showers.	
8	29'63	'90	41'0	38'5	44'4	37'7	3'0	1'5	'197	'203	77	87	N	1	NW	2	5	1	'05	4'3	23	▲ <i>n.</i> ● <i>p.</i> < <i>n.</i>	
9	30'13	'97	30'5	43'8	46'2	27'8	3'5	1'8	'153	'240	71	86	Calm	0	SE	3	4	100	'07	4'0	41	— <i>a.</i> ● showers <i>p.</i>	
10	29'71	'71	37'5	38'0	52'0	37'0	2'0	1'0	'285	'208	86	91	S	2	SW	1	9	0	'24	4'3	29	— ● (sleet) ▲ showers.	
11	'66	'74	37'5	31'3	44'8	30'4	1'5	0'3	'195	'169	87	96	WNW	3	SW	1	5	1	'04	4'8	23	— ● (sleet) ▲	
12	'75	'76	38'0	36'0	51'8	28'5	0'0	2'0	'228	'175	100	82	S	2	S	3	100	9	'09	—	41	— ● (sleet) ▲ <i>a.</i> Fair <i>p.</i>	
13	'50	29'29	47'0	38'0	52'5	36'0	3'0	1'0	'253	'208	79	91	S	6	S	2	9	100	'29	0'5	35	Fair <i>a.</i> ● <i>p.</i>	
14	29'37	'28	33'8	39'0	46'0	27'0	2'0	1'0	'154	'118	80	92	SE	3	S	4	7	9	'31	1'1	27	— ● (sleet) ▲ *	
15	28'84	29'04	34'3	34'8	42'4	31'4	0'5	1'8	'188	'166	95	82	2	WNW	3	10*	7	'21	4'5	27	— ▲ <i>a.</i> ● <i>p.</i>		
16	29'16	'76	38'5	50'0	50'0	32'5	1'7	1'5	'199	'322	86	90	SW	2	S	6	7	100	'70	2'3	41	— ▲ <i>n.</i> Fair <i>a.</i> ● <i>p.</i>	
17	28'31	'79	45'8	41'5	52'8	40'2	1'8	2'5	'267	'211	87	81	S	5	SE	3	100	100	'39	2'4	32	— ▲ showers.	
18	29'00	'91	42'9	41'0	49'0	35'7	2'9	1'2	'216	'231	79	90	SE	3	SE	4	4	10	'22	7'0	38	Fine and bright.	
19	28'40	'47	42'0	41'5	48'0	40'3	1'0	2'0	'245	'221	92	85	SE	3	WNW	6	9	10	'18	—	31	Cool, with ● showers.	
20	'40	28'03	37'0	37'5	48'7	34'0	1'0	0'5	'200	'214	91	95	SE	4	S	1	100	10	'70	1'3	33	— ● showers <i>a.</i> ● <i>n.</i>	
21	28'80	29'32	38'3	35'0	45'0	33'4	1'3	2'0	'205	'164	89	80	SW	4	W	2	10	0	'10	1'5	24	— ● showers.	
22	29'40	'50	34'5	31'0	38'7	29'0	2'0	1'0	'161	'148	80	85	NW	2	Calm	0	10	9	'05	—	22	— ● showers.	
23	'61	'35	33'8	38'	43'3	45'3	2'2	1'8	'20	'158	192	81	83	Calm	0	SE	6	1	100	'28	7'8	32	* <i>n.</i> Fine and bright.
24	'27	'33	39'0	31'5	43'5	30'3	3'0	0'5	'181	'166	77	94	SW	3	Calm	0	1	0	'04	7'3	20	Fine day. ● <i>n.</i>	
25	'33	'38	48'0	38'0	47'4	24'8	1'5	1'0	'118	'208	75	91	Calm	0	SE	3	9	10	'50	3'8	34	▲ * in evening.	
26	'15	29'44	40'4	37'8	43'4	35'5	2'9	0'8	'194	'210	78	93	NW	3	NW	3	4	10	'95	4'5	33	— ● (sleet) ▲	
27	'69	'46	43'3	36'0	45'8	35'0	3'8	0'2	'203	'208	73	98	NW	2	SE	6	10	10	'24	—	34	Fair <i>a.</i> ● <i>p.</i>	
28	29'31	29'61	45'0	33'0	48'9	30'9	3'0	1'2	'233	'163	78	86	SW	2	SW	1	3	0	'05	5'5	23	Fair <i>a.</i> * ● (sleet) ▲ <i>p.</i>	
M.	29'294	29'271	40'1	39'0	47'2	33'5	1'8	1'2	'215	'217	85	89	2'1	2'4	7'5	7'5	7'34	79	32'0				

\* Miles per hour.

† Beaufort Scale (0-12).

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—FEBRUARY 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine. hrs.	Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.										Percentage.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.		
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	*	*			ins.	hrs.	°		
2	29.52	29.19	32.1	42.5	44.9	27.8	0.1	1.5	180	239	99	88	SSW	7	SW	10	7	20	30	Cloudy a.	
3	29.09	29.05	37.9	34.4	43.7	32.3	0.6	0.5	215	189	95	95	—	3	—	3	9	0	22	Cloudy.	
4	29.11	29.24	35.1	32.9	43.5	29.7	0.9	0.4	187	179	91	96	WSW	8	W	6	3	3	23	6.25 p.	
5	29.59	29.71	33.5	40.7	41.7	30.9	0.4	1.0	184	233	95	92	W	6	W	5	9	10	27	Cloudy to overcast.	
6	29.61	29.49	39.5	52.5	54.4	40.0	0.0	0.5	360	381	100	96	SW	15	WSW	18	100	100	38	0.2 a. Overcast.	
7	29.59	29.42	51.2	52.4	53.9	50.5	0.5	0.4	363	382	97	97	WSW	10	SW	14	10	100	49	0.2 a. Overcast.	
8	29.27	29.18	50.3	41.9	52.9	41.7	1.4	0.9	329	246	90	93	WSW	17	WSW	13	9	0	33	Cloudy.	
9	29.57	29.80	38.4	35.5	43.5	35.4	1.4	0.6	204	197	88	95	WNW	9	W	7	4	0	33	Cloudy.	
10	29.13	29.06	35.3	41.5	45.6	29.9	1.2	1.4	183	232	89	89	W	4	SW	10	7	9	71	Bright to cloudy.	
11	29.78	29.78	49.7	41.4	54.1	41.3	1.1	1.1	329	238	92	91	SSW	15	SW	10	10	0	39	0.2 a. Cloudy, with s.	
12	29.69	29.74	40.1	37.3	44.7	34.9	1.2	1.2	223	199	90	90	SW	17	SW	6	8	5	33	* (sleet) a. Cloudy.	
13	29.80	29.83	40.6	48.3	49.6	33.2	1.6	2.3	219	282	87	84	WSW	4	WSW	10	9	10	27	Overcast, with s.	
14	29.66	29.30	48.9	43.5	52.0	42.0	2.2	0.4	294	262	85	97	S	13	SW	23	9	100	120	Cloudy. p.	
15	29.49	29.82	34.5	43.5	45.6	29.7	0.7	0.7	186	267	93	94	SW	9	SW	14	0	5	38	Bright a. s showers p.	
16	29.85	29.07	36.4	33.3	44.1	33.2	0.9	0.2	199	186	93	98	SW	9	W	6	3	9	72	* a. showers.	
17	29.22	29.89	37.0	51.2	51.5	33.0	1.1	1.1	108	348	90	93	SW	11	SW	28	6	10	53	s showers.	
18	29.56	29.90	47.5	45.1	52.3	40.9	1.1	1.6	301	263	92	88	SW	34	SE	5	10	100	32	0.2 p.	
19	29.98	29.90	41.9	44.6	49.2	38.4	1.4	1.2	237	267	90	91	WSW	15	SE	8	6	100	52	s from gp.	
20	29.44	29.50	45.8	42.9	51.2	38.9	0.9	0.5	289	266	94	96	SSE	20	WSW	15	100	10	13	36	0.2 a. s. T p.
21	29.57	29.09	41.8	43.4	50.8	34.9	0.1	0.8	262	264	100	94	ESE	9	SW	25	100	9	15	32	Overcast and cloudy.
22	29.34	29.32	38.4	37.1	44.7	34.8	0.7	1.6	218	190	94	86	SW	17	SW	9	10	1	36	0.2 a. * (sleet) * p.	
23	29.62	29.50	35.3	34.9	43.3	31.8	0.0	1.0	207	183	100	91	ENE	7	SE	8	9	0	25	0.2 a. * (sleet) * p.	
24	29.23	29.36	38.1	36.0	44.7	35.9	0.4	0.4	221	204	96	96	W	10	SW	6	5	8	21	Fine and bright.	
25	29.28	29.12	35.7	40.8	45.8	29.7	0.9	1.4	194	225	92	89	NW	5	SSE	8	5	10	57	24	Cloudy, with s.
26	29.94	29.42	36.8	34.8	43.7	33.9	0.2	0.1	214	200	98	99	W	12	W	7	100	1	34	0.2 a. Cloudy. p.	
27	29.67	29.52	39.9	48.0	33.8	0.4	0.9	232	227	96	93	W	7	SE	7	80	100	185	54	31	0.2 a. Cloudy.
28	29.32	29.57	41.1	34.9	50.1	34.7	0.6	0.1	245	201	95	99	SW	6	WSW	9	100	0	24	37	0.2 a. Cloudy. s p.
M.	29.314	29.302	40.3	40.9	47.7	35.1	0.8	0.9	238	241	93	93	11	11	7.4	6.1	2.777	109	32.3		

## BIRR CASTLE, KING'S COUNTY, a.b.—FEBRUARY 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., -2 feet. Therms., 4 feet 6 inches. Rain-gauge, 8 inches.

Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	29.48	29.10	38.0	40.0	43.9	33.1	0.2	0.9	224	228	98	93	SSW	2	SSW	3	10	10	0.89	—	● showers.
2	29.06	29.01	35.1	37.2	44.7	34.2	0.1	0.2	203	218	99	98	SW	2	S	1	10	10	0.03	5.2	Cloudy and mild.
3	29.11	29.27	34.6	33.8	41.8	30.5	0.6	0.8	189	178	94	91	SW	1	SSW	3	3	10	0.34	5.4	● showers.
4	29.56	29.65	35.6	42.9	43.8	30.6	0.5	1.0	199	255	96	92	SSW	1	SSW	2	10	10	0.72	—	● showers. Misty n.
5	29.59	29.50	50.8	52.9	53.8	41.8	0.7	1.0	353	372	95	93	SSW	3	WSW	4	100	10	0.90	—	● showers.
6	29.59	29.40	51.0	52.0	53.8	49.0	0.3	0.3	366	380	98	98	WSW	2	SW	4	10	100	0.09	—	● showers.
7	29.29	29.21	50.3	39.9	52.0	35.2	1.1	1.0	336	226	92	92	WSW	5	WSW	5	10	10	1.20	0.2	● showers.
8	29.59	29.78	38.3	36.8	45.7	35.0	1.3	0.7	205	204	89	94	WSW	3	WSW	3	4	10	—	6.0	Cool.
9	30.07	30.00	31.7	43.6	45.8	27.0	0.7	1.1	162	259	91	91	SW	1	SSW	3	2	10	0.31	5.6	Cool.
10	29.71	29.74	50.0	42.9	51.8	41.9	0.7	0.9	342	257	95	93	SSW	2	W	2	10	10	1.70	4.1	● showers.
11	29.69	29.71	37.7	38.9	43.8	36.8	0.8	1.0	211	218	93	93	W	4	SW	2	80	10	0.57	6.1	* (sleet) ▲ showers.
12	29.75	29.80	41.3	47.9	50.7	33.6	1.4	0.9	231	310	89	94	SSW	2	SSW	2	100	10	0.41	—	● showers.
13	29.58	29.31	47.8	38.8	50.7	34.4	3.0	1.2	263	213	80	90	SSW	4	SSW	4	10	100	2.54	0.3	▲ showers.
14	29.43	29.82	32.4	41.9	45.9	29.6	0.3	1.8	179	228	97	87	SSW	2	S	4	6	10	1.24	0.9	* n. Overcast, with ●.
15	29.85	29.06	35.9	33.8	42.9	32.4	0.7	0.4	198	186	94	95	SSW	3	WNW	3	100	10	1.64	5.7	▲ * showers.
16	29.20	29.86	36.9	50.1	51.8	32.7	0.7	0.2	205	357	94	98	SW	2	S	6	4	100	2.57	2.6	* (sleet) *
17	29.50	29.76	47.0	43.9	53.7	41.8	2.0	0.9	275	266	86	93	SSW	7	SW	4	10	100	3.02	3.0	● showers.
18	29.96	29.85	38.7	44.2	49.0	36.0	0.8	1.1	220	265	94	92	SSW	2	S	3	4	100	4.00	6.3	● showers.
19	29.59	29.53	45.9	41.9	46.8	38.9	1.2	2.8	283	210	93	80	SE	4	SW	5	100	10	1.34	0.6	Overcast, with ● showers.
20	29.40	29.07	41.9	42.8	47.8	35.1	1.0	0.7	246	259	93	95	SE	5	S	6	100	10	4.63	1.7	Cloudy, with ● showers.
21	29.87	29.29	38.0	34.0	43.8	32.8	1.0	1.8	208	160	91	81	SW	4	SW	2	100	6	2.40	3.4	Cloudy, with ● showers.
22	29.22	29.47	37.9	33.8	41.7	32.6	0.9	0.6	209	182	92	93	NW	2	SW	2	7	8	0.86	1.9	* (sleet) ● showers.
23	29.57	29.37	33.8	39.8	44.5	29.8	0.6	1.0	182	225	93	92	Calm	0	SE	5	1	100	1.40	8.3	Fine and sunny.
24	29.27	29.31	40.1	36.8	43.1	34.8	1.3	1.8	221	184	89	85	WSW	3	SW	2	8	8	1.22	4.5	● showers.
25	29.30	29.07	33.9	40.0	44.7	32.4	0.1	1.1	193	224	99	91	NW	2	SSE	3	9	8	2.21	4.5	● showers.
26	29.01	29.40	37.8	37.9	45.7	35.4	0.7	0.8	212	211	94	93	WNW	4	W	6	10	10	1.66	3.4	● showers.
27	29.66	29.39	39.8	44.7	47.7	35.2	2.0	1.1	205	223	84	92	WNW	3	S	6	4	100	2.79	2.6	Cloudy. ● n.
28	29.30	29.59	41.0	34.7	48.7	32.8	1.1	0.7	233	188	91	93	SW	2	SW	2	8	8	0.40	5.2	● showers.
M.	29.281	29.265	40.1	40.8	47.0	34.8	0.9	1.0	234	239	93	92	2.8	3.5	7.8	9.6	4.208	88	—		

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—FEBRUARY 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNESSE.†					NORTH SHIELDS.†					GREAT YARMOUTH.†§								
Height of Cups above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cups above—Roof 8 ft., Ground 60 ft.¶, M.S.L. 138 ft.					Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cups above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.								
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust.		
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.	
2	16, 15	15, 20	14, 27	21, 23	17, 16	17, 15	17, 12	16, 12	18, 18	5, 8	17, 10	16, 11	16, 10	18, 7	—	29	23. 50	
3	15, 13	14, 13	14, 26	3	16, 15	18, 10	15, 10	15, 5	16, 16	1, 2, 5, 6	16, 15	15, 18	15, 20	15, 18	—	37	19. 50	
4	—	—	—	—	18, 12	19, 10	19, 5	—	3	18, 12	9	16, 6	17, 6	24, 4	—	3	26	9. 30
5	23, 12	21, 10	16, 20	24	26, 9	25, 7	25, 4	24, 7	21, 10	24	25, 7	26, 7	27, 4	25, 5	—	16	4. 55	
6	23, 24	21, 21	16, 31	4	19, 17	20, 20	15, 21	9	19, 21	8	18, 10	18, 14	19, 6	20, 13	—	35	17. 35	
7	21, 31	23, 25	21, 31	13	23, 9	23, 8	23, 8	19, 12	19, 12	21	23, 10	23, 7	24, 9	22, 9	—	24	4. 0	
8	—	2, 27, 6	4, 19	20	5, 7	—	3	1, 6	—	2	32, 14	15	23, 12	23, 15	23, 13	24, 16	33	14. 25
9	30, 18	29, 22	29, 22	18	31, 12	31, 13	31, 6	29, 4	32, 31	14	24, 7	2, 12	32, 6	2, 10	—	33	21. 25	
10	3, 7	13, 11	15, 25	24	25, 6	23, 10	24, 6	19, 7	23, 11	15	32, 4	30, 7	27, 4	25, 4	—	25	1. 25	
11	17, 22	17, 10	14, 26	3	19, 15	19, 20	19, 10	20, 15	19, 20	12, 13	21, 6	21, 12	19, 11	20, 12	—	27	19. 15	
12	22, 14	17, 14	19, 23	4	20, 9	19, 17	21, 14	22, 10	18, 22	14	23, 7	23, 10	21, 9	24, 7	—	22	18. 5	
13	16, 23	16, 25	16, 30	16	23, 9	21, 6	18, 15	19, 14	18, 15	17, 24	25, 8	27, 7	17, 4	20, 5	—	16	2. 25	
14	15, 23	15, 25	14, 34	20	17, 13	19, 17	18, 22	16, 15	16, 23	24	18, 5	20, 7	20, 8	16, 12	—	29	19. 35	
15	20, 18	15, 23	13, 42	23	22, 10	22, 10	15, 10	14, 21	13, 25	23	16, 13	18, 10	18, 5	18, 9	—	39	4. 35	
16	20, 4	17, 10	13, 43	2	23, 8	22, 12	22, 10	21, 12	15, 17	21	24, 10	25, 9	22, 8	24, 6	—	59	4. 45	
17	16, 23	16, 26	16, 26	17, 18	21, 16	21, 18	19, 18	16, 18	15, 21	24	23, 9	23, 11	18, 7	20, 12	—	33	23. 45	
18	16, 21	24, 17	14, 12	28	17, 30	19, 41	21, 31	20, 21	19, 43	14	18, 18	21, 22	21, 18	20, 16	—	52	12. 35	
19	24, 18	19, 18	22, 21	14	18, 33	20, 25	20, 11	16, 4	17, 37	8	19, 20	21, 14	18, 7	16, 9	—	42	6. 10	
20	11, 36	12, 33	12, 46	23	10, 20	14, 21	14, 28	15, 26	14, 31	19	14, 27	15, 20	14, 24	16, 19	—	48	23. 0	
21	16, 23	11, 32	10, 41	20	18, 21	14, 24	14, 29	10, 24	13, 35	17	18, 12	15, 21	10, 27	17, 18	—	62	18. 5	
22	23, 29	22, 18	13, 47	20	19, 26	19, 23	19, 15	21, 13	17, 30	2	20, 21	20, 17	16, 21	7	—	53	3. 5	
23	20, 16	16, 10	19, 23	8	18, 10	10, 14	17, 13	15, 12	17, 23	23	16, 7	15, 12	8, 20	9	—	28	14. 20	
24	21, 7	18, 10	18, 10	18	25, 5	27, 5	23, 6	21, 6	22, 15	1	—	3	24, 7	22, 5	—	24	19. 10	
25	12, 28	12, 26	12, 31	10	12, 18	14, 7	22, 15	21, 15	13, 20	10	15, 24	17, 18	23, 15	22, 16	—	46	9. 55	
26	24, 15	25, 5	24, 15	13	17, 4	28, 6	24, 7	20, 7	23, 11	2	11, 12	25, 7	29, 7	24, 7	—	31	16. 0	
27	7, 15	4, 15	6, 18	14	4, 8	30, 12	28, 16	29, 13	28, 16	18	—	2	25, 8	—	—	25	4. 0	
28	3, 8	8, 7	10, 21	24	27, 10	31, 5	—	2	3	28, 12	27, 16	30, 12	30, 5	—	2	—	32	14. 15
	14, 31	17, 13	12, 38	10	15, 18	17, 18	21, 6	21, 4	15, 16, 17	18	9, 12, 13	16, 11	16, 15	16, 10	23, 8	—	42	16. 10

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡					HOLYHEAD.†§							
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.					Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.							
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	17, 10	16, 12	16, 16	22	15, 10	14, 14	15, 12	14, 16	—	21	18, 7	16, 15	16, 15	16, 18	—	35	22, 25
2	—	—	—	—	12, 10	13, 9	21, 6	21, 9	—	25	14, 8	24, 4	23, 7	21, 5	—	27	0, 5
3	20, 5	23, 4	20, 22, 24	5	18, 10	22, 17	24, 13	24, 10	—	24	23, 15	24, 21	23, 16	25, 19	—	29	11, 30
4	24, 7	—	27, 10	10	27, 16	27, 13	24, 11	20, 9	—	23	25, 20	25, 15	24, 5	19, 5	—	33	2, 45
5	19, 7	21, 12	22, 16	19, 20	16, 13	20, 18	20, 26	22, 21	—	35	18, 20	18, 20	19, 18	20, 14	—	35	17, 45
6	22, 10	22, 9	23, 17	2, 3, 4	21, 17	22, 20	21, 21	19, 15	—	40	20, 20	20, 17	18, 19	19, 18	—	31	21, 20
7	23, 18	23, 15	23, 18	11, 13	21, 29	21, 27	23, 31	23, 28	—	36	21, 21	21, 21	22, 26	22, 22	—	44	16, 35
8	30, 7	—	23, 12	1, 2, 3	29, 19	29, 20	27, 9	28, 5	—	15	27, 26	27, 26	25, 22	26, 24	—	48	4, 40
9	24, 6	—	23, 7	15	—	3, 20, 11	21, 11	16, 9	—	17	16, 4	20, 7	18, 10	18, 14	—	37	0, 10
10	19, 11	21, 11	22, 12	22, 24	15, 13	17, 16	20, 22	21, 22	—	31	16, 21	18, 20	19, 13	20, 15	—	39	9, 10
11	22, 16	22, 10	22, 19	14	19, 16	22, 28	24, 20	24, 24	—	45	19, 17	22, 25	26, 23	22, 17	—	48	16, 10
12	20, 7	21, 4	26, 20	7	—	2, 20, 12	16, 11	20, 15	—	23	24, 7	18, 17	19, 11	20, 9	—	27	14, 35
13	18, 12	17, 17	16, 21	22	16, 11	18, 19	12, 17	15, 20	—	34	16, 17	16, 22	15, 24	15, 23	—	45	23, 40
14	21, 10	16, 14	16, 26	22	24, 14	20, 17	13, 19	14, 29	—	43	22, 12	18, 19	14, 32	15, 30	—	50	19, 50
15	24, 15	24, 12	16, 21	1	23, 18	23, 25	23, 26	23, 24	—	44	22, 18	22, 26	23, 29	23, 27	—	46	17, 50
16	22, 16	20, 6	16, 22	21	21, 26	21, 27	20, 19	14, 21	—	44	21, 22	20, 21	16, 17	17, 24	—	45	2, 40
17	20, 30	21, 17	20, 37	14	19, 37	20, 53	21, 31	16, 11	—	59	18, 37	20, 39	19, 15	15, 15	—	68	11, 40
18	21, 12	19, 4	16, 28	2, 6	22, 41	20, 15	13, 8	12, 11	—	50	20, 21	19, 12	16, 11	14, 16	—	60	7, 25
19	15, 29	15, 34	14, 35	17	14, 23	15, 30	15, 24	15, 20	—	50	13, 26	13, 32	14, 28	16, 22	—	63	14, 15
20	14, 31	18, 25	14, 42	15	14, 19	11, 38	17, 28	16, 28	—	70	14, 24	13, 39	18, 35	16, 36	—	65	19, 25
21	21, 21	20, 11	20, 32	4, 5	21, 44	21, 35	21, 27	21, 32	—	85	20, 29	20, 24	22, 19	20, 15	—	65	2, 10
22	6, 5	17, 12	23, 16	23	10, 11	14, 14	18, 20	21, 39	—	57	10, 12	13, 13	20, 27	22, 28	—	46	19, 10
23	21, 10	23, 4	22, 11	14	17, 10	21, 17	19, 10	16, 10	—	45	20, 9	21, 10	18, 12	17, 14	—	32	23, 40
24	22, 24	24, 5	25, 24	13	4, 12	28, 16	22, 15	15, 11	—	26	24, 35	23, 31	23, 21	22, 14	—	50	12, 15
25	29, 7	24, 5	26, 10	16	15, 9	8, 5	30, 18	29, 23	—	33	20, 21	31, 29	28, 21	27, 27	—	41	21, 35
26	—	1, 30, 12	28, 13	19	30, 17	29, 9	18, 4	14, 9	—	33	28, 18	27, 6	20, 6	15, 11	—	30	0, 5
27	—	2	31, 9	9	13, 23	24, 16	20, 15	23, 19	—	38	17, 17	21, 10	22, 10	24, 22	—	41	4, 0
28	23, 12	22, 5	15, 17	21	11, 12												

GLASGOW.†						KINGSTOWN.†						ROCHES POINT.‡							
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.						Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.							
Date.	13h.	18h.	Max. Hourly Run.		Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.		Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.		Time of Gust.
	D. V.	D. V.	D.	V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.
1	20, 10	17, 10	17,	11	23	13, 4	14, 10	14, 12	14, 5	16, 18	19		—	*	15	6	5	—	*
2	16, 4	—	3	17, 10	1	21, 10	22, 16	—	2	20, 10	22, 16	13	—	*	—	*	—	—	*
3	21, 6	—	2	17, 6	13	21, 22	22, 26	22, 19	22, 21	22, 26	23		—	8	17	16	15	—	*
4	25, 7	—	3	20, 8	24	21, 23	23, 16	20, 8	13, 5	21, 26	8		—	*	0	3	0	—	*
5	24, 22	22, 10	24, 22	13	20, 32	20, 27	20, 26	21, 41	21, 41	21, 41	21		—	7	17	21	15	—	*
6	22, 9	21, 7	22, 14	12	19, 15	21, 18	19, 12	20, 13	21, 32	1			—	*	18	*	*	—	*
7	5, 4	7, 4	7, 7	22	21, 32	22, 30	22, 34	21, 29	22, 35	8, 19			—	20	*	26	*	11	*
8	32, 4	25, 4	25, 6	14, 15	24, 23	25, 23	22, 25	23, 24	24, 32	1			—	*	*	*	20	13	56
9	22, 10	21, 7	23, 19	10	22, 10	12, 7	16, 6	14, 7	22, 20	1			—	1	8	15	15	27	7, 15
10	20, 12	20, 12	21, 16	11	16, 16	19, 18	20, 18	19, 16	16, 21, 22	6, 7, 15, 16			—	15	22	9	5	37	23, 55
11	19, 8	24, 15	24, 15	18	19, 29	21, 29	20, 22	19, 13	21, 30	11			—	*	*	*	*	—	12, 30
12	20, 10	20, 12	20, 15	21	16, 8	10, 10	11, 22	21, 23	21, 32	19			—	2	7	*	*	—	*
13	18, 10	18, 20	18, 26	22, 23	16, 18	15, 13	15, 24	19, 20	21, 32	23			—	*	37	38	13	56	17, 25
14	20, 12	14, 13	14, 15	22	19, 16	16, 18	15, 34	20, 21	15, 34	18			—	0	*	32	*	61	17, 5
15	21, 11	20, 10	21, 15	15	19, 19	21, 24	21, 24	23, 17	20, 29	22, 23, 24			—	*	20	*	*	60	11, 55
16	21, 17	20, 12	21, 18	10, 12	19, 25	19, 19	11, 15	18, 33	18, 34	22			—	5	18	27	30	53	20, 30
17	19, 11	24, 20	24, 27	17	17, 48	20, 53	19, 15	13, 13	19, 55	11			—	38	31	15	40	63	0, 40
18	21, 15	19, 8	24, 21	10	16, 7	16, 6	15, 14	13, 15	21, 41	6, 7			—	1	14	24	41	59	0, 50
19	15, 14	14, 15	16, 18	21	14, 27	14, 34	17, 11	22, 34	12, 43	2			—	33	19	31	20	57	0, 50
20	12, 12	13, 12	20, 20	5, 7	13, 23	15, 25	16, 29	19, 31	20, 45	24			—	46	33	41	45	68	21, 0
21	21, 15	20, 12	23, 17	9	20, 32	20, 29	20, 21	19, 15	20, 59	2			—	14	20	2	1	52	0, 5
22	8, 4	7, 10	21, 13	1	24, 4	16, 22	22, 27	21, 34	20, 40	15, 16			—	43	22	9	0	73	9, 10
23	21, 11	21, 7	21, 20	12	21, 10	20, 11	16, 7	15, 21	14, 38	24			—	0	13	*	37	48	22, 30
24	7, 4	24, 14	24, 14	13	21, 29	22, 29	21, 13	19, 12	22, 37	11			—	13	10	2	0	47	7, 25
25	23, 8	24, 4	23, 8	7	28, 15	23, 16	17, 15	16, 10	15, 18	20			—	25	13	23	14	43	19, 30
26	32, 5	32, 8	7, 10	7	23, 29	28, 22	24, 22	26, 21	15, 36	6			—	14	38	26	30	55	16, 45
27	—	2, 19, 14	14, 12	7	23, 22	24, 10	16, 8	15, 22	15, 32	24			—	7	6	27	16	44	0, 5
28	25, 5	21, 7	18, 20, 23	10	22, 11	21, 16	22, 10	20, 14	22, 27	7			—	13	16	11	8	43	4, 10

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.  
 DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables.  
 A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.  
 \* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.  
 ‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level. § Dines Pressure Tube Anemometer.  
 Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—MARCH 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
 Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.36 in.

Day.	Barometer at 32° Faht. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	37.6	40.4	40.7	34.3	3.0	2.8	170	196	76	79	S	15	SE	37	0	2	hrs.	°	Very fine. ° 10p.
2	29.52	29.48	37.6	40.4	40.7	34.3	3.0	2.8	170	196	76	79	S	15	SE	37	0	2	15	8.9	° a. Rough sea.
3	30	30	41.7	44.6	46.3	40.3	0.9	1.6	246	258	93	88	SE	28	S	18	100	7	—	2.1	Overcast.
4	30.5	30	43.6	43.4	45.7	42.5	1.8	1.8	245	243	86	86	SE	25	SSE	21	9	5	—	—	Fair. ∞ all day.
5	30.6	30.6	40.9	39.7	43.7	39.5	1.3	1.1	229	222	90	91	SE	26	SE	31	3∞	10∞	—	3.0	Dull.
6	30.6	30.6	39.4	40.0	41.7	38.3	2.6	1.0	191	226	80	92	SE	29	SSE	24	9∞	10∞	—	1.0	Bright a. Damp with ∞ p.
7	30.6	30.6	41.6	42.9	43.3	39.6	2.0	0.6	222	263	85	95	SE	29	SE	22	0∞	9∞	0.2	6.2	° a. Very fine.
8	30.6	30.6	42.6	41.4	45.2	41.3	1.0	1.0	251	240	92	92	S	12	SSE	10	8	0	—	5.3	Fine.
9	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
10	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
11	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
12	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
13	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
14	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
15	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
16	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
17	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
18	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
19	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
20	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
21	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
22	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
23	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
24	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
25	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
26	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
27	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
28	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
29	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
30	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
31	30.6	30.6	41.8	41.9	46.5	41.1	1.2	0.5	240	255	91	96	S	23	SE	14	100	10∞	0.2	1.2	Cloudy and mild.
M.	29.746	29.782	41.7	41.0	45.2	38.3	1.8	1.7	228	223	86	86	17	15	6.6	6.0	1.910	114	—	—	—

TILLYPRONIE, ABERDEENSHIRE.—MARCH 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

DUNDEE, FORFARSHIRE, c.d.—MARCH 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar, 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long.  $2^{\circ} 56' W.$  Lat.  $56^{\circ} 28' N.$  Gravity Correction,  $+0.30$  in.

† Beaufort Scale (0—12).

GLASGOW, LANARKSHIRE, a.—MARCH 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

† ESKDALEMUIR, DUMFRIESSHIRE.—MARCH 1910.

Height above Mean Sea Level, 799 feet. Heights above Ground:—Bar.,—21 feet. Therms., 4 feet. Rain-gauge, 11 inches.  
Long. 3° 12' W. Lat. 55° 19' N. Gravity Correction, +.025 in.

\* Miles per hour.

† The Observations at Eskdalemuir were taken at 10 a.m. and 10 p.m., the Max. and Min. Thermometers being read and set at 10 p.m.

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MARCH 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.				
1	29.55	29.50	35.4	38.8	44.0	31.0	1.4	1.7	180	203	87	86	W	2	S	4	4	0.6	8.2	27	Fine.		
2	39	39	61	46.6	47.8	50.5	37.8	1.7	2.4	278	274	88	83	SSW	4	S	3	10	0.3	—	35	Overcast.	
3	73	73	78	42.4	38.0	48.0	37.0	1.4	0.8	241	212	89	93	SSW	4	SE	3	2	—	—	37	Dull.	
4	73	66	39.0	38.7	41.1	32.8	0.0	1.0	238	216	100	92	SE by E	3	SE	4	10	9	—	—	30	Dull.	
5	65	65	39.0	37.0	41.5	36.0	0.0	0.0	238	220	100	100	SE	4	SE	1	10	2	0.1	—	35	Dull.	
6	62	57	39.9	39.0	41.4	34.0	0.0	0.6	246	226	100	95	SE	1	S	1	9	3	—	0.9	31	Dull.	
7	56	63	44.8	40.5	49.5	36.6	1.2	1.2	269	225	91	90	S	2	S	1	9	3	—	3.0	34	Dull.	
8	52	31	44.0	44.3	49.0	37.0	1.0	1.3	265	261	92	90	SE	2	SSW	4	9	3	33	0.8	34	Dull.	
9	25	03	46.6	41.2	50.7	40.4	2.5	0.6	260	246	83	96	SW	5	SW	2	3	10	0.9	5.1	37	Bright, then cloudy.	
10	07	21	42.4	42.2	48.1	38.0	2.0	1.1	229	245	85	91	W	6	W	7	6	3	—	7.4	36	Fine.	
11	48	65	43.0	36.9	45.9	35.0	1.2	1.8	251	185	90	85	NNW	4	N	1	7	2	0.1	2.1	35	Cloudy.	
12	73	72	39.4	33.9	41.3	32.0	1.6	3.0	210	137	87	71	NNW	1	NW	3	7	1	0.1	3.6	32	Cloudy. * showers n.	
13	68	67	36.8	38.8	42.9	30.0	2.4	1.3	174	211	80	90	NW by W	2	NW by W	3	4	3	—	3.4	27	Cloudy.	
14	61	61	41.9	40.5	45.6	34.0	4.0	1.5	190	220	72	88	NW by W	3	SW by W	6	4	9	—	3.8	31	Cloudy.	
15	73	76	41.7	35.9	48.0	33.9	3.8	0.9	191	194	73	92	NW	4	W	3	2	1	—	8.5	31	Fine.	
16	45	25	43.2	47.7	49.9	31.8	1.2	2.6	253	269	90	82	SW	8	SW by W	8	9	3	—	2.3	29	Dull.	
17	34	41	41.6	33.3	48.0	32.0	3.6	0.1	193	188	74	99	NW	6	S	1	1	10	1.4	6.9	36	Fine a., then * showers.	
18	49	64	32.7	37.0	40.0	32.0	0.7	1.8	173	186	92	85	NNW	4	N	4	2	6	0.6	7.0	27	Fine. * showers.	
19	68	68	36.8	40.4	45.0	32.0	2.6	0.3	171	244	78	98	N	3	W	3	7	10	—	1.7	29	Cloudy.	
20	71	74	46.2	44.2	59.2	39.8	2.0	1.2	267	263	86	91	W	3	W	5	7	2	—	8.0	35	Fine.	
21	29.72	29.92	49.3	37.2	49.9	35.0	2.9	2.0	282	184	80	83	W	3	NW	3	6	2	—	3.2	36	Cloudy.	
22	30.06	30.11	42.7	45.1	50.6	30.0	2.9	2.9	214	236	79	78	NW	2	W	2	1	9	—	8.0	27	Bright, then dull.	
23	14	12	46.9	38.6	50.3	37.6	3.0	1.0	253	215	80	92	NW by W	2	W	2	10	1	—	0.5	35	Cloudy.	
24	10	09	47.2	40.4	50.0	36.7	3.6	1.4	243	222	76	89	NW	4	NW	1	4	2	—	1.0	34	Cloudy.	
25	30.08	30.04	49.2	41.8	51.4	37.0	4.7	1.5	243	234	69	88	NW	1	SE	1	3	9	—	8.2	32	Fine.	
26	29.98	29.87	46.7	38.2	50.2	37.8	2.6	0.4	259	222	82	97	S	1	SE	2	3	7	—	2.5	37	Cloudy.	
27	78	79.79	44.7	44.0	51.0	33.0	2.0	0.6	251	274	86	95	SE	2	W	2	10	10.0	0.2	1.8	31	Dull.	
28	29.98	30.11	47.4	39.6	49.9	33.0	4.2	3.4	233	180	72	73	NE	2	S	1	1	2	—	11.1	31	Bright. ☼ 8.45p.-9.15p.	
29	30.16	16	45.9	43.0	56.9	30.8	3.0	1.8	244	238	79	86	NW	1	NW	3	2	2	—	9.3	25	Fine.	
30	14	19	50.8	38.3	55.8	37.5	4.6	0.1	261	229	70	100	NNW	2	SE	2	3	2	—	9.0	34	Fine.	
31	30.28	30.25	40.0	34.8	43.6	33.4	2.3	1.8	202	166	82	82	SSE	3	S	2	9	3	—	6.5	33	Fine.	
M.	29.722	29.734	43.0	39.9	48.0	34.6	2.3	1.4	232	220	84	89	3.0	2.8	6.0	4.7	0.76	134	32.4				

## DOUGLAS, ISLE OF MAN, a.—MARCH 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29°60	29°46	40°5	44°2	44°8	33°4	3°1	0°2	191	285	76	98	S	2	S	†	6-7	4	100	680	4°1	28	~ early a. ● showers 3p.-7p.
2	43	43	40°6	44°8	44°0	47°6	4°0	0°8	15	301	276	94	90	SSW	6-7	S	6-7	100	4	010	—	41	● till 10a. Dull.
3	71	72	44°9	43°6	47°1	43°0	3°6	0°2	221	236	74	83	SSE	4-5	ESE	4	9	0	—	—	3°5	42	Dull a., fine afternoon.
4	65	58	41°0	42°0	45°8	38°9	1°5	0°7	225	252	88	94	ESE	4	E	5	9	0	000	—	4°9	37	≡ from 11a.
5	59	57	42°3	44°0	47°4	39°5	1°3	0°8	242	270	90	94	ESE	3	E	3	8.00	0	000	—	6°5	38	Fine.
6	55	58	43°8	44°3	46°6	41°9	0°7	1°3	269	261	95	90	SE	5	S	2	9	000	10	168	0°1	39	Dull. ● showers afternoon.
7	63	63	42°7	45°1	48°3	41°9	0°6	0°9	261	279	95	93	W	2	S	5	9	6	088	4°2	41	Dull after 2p.	
8	53	45	44°7	44°6	45°8	42°8	0°0	0°4	296	285	100	97	SSW	1	WSW	2	10	000	353	—	42	≡ till 3p. ● showers from 2p.	
9	37	40	45°3	40°3	46°9	39°9	0°5	1°2	291	225	96	91	SSW	3	SSW	6-7	8	100	453	0°7	40	Dull. ● after 1p.	
10	35	42	43°1	40°5	45°6	39°4	2°8	1°0	220	231	79	92	SW	4-5	WNW	3	3	0	010	5°2	37	Fine, but squally.	
11	57	71	42°7	40°6	48°0	39°5	1°3	2°6	246	201	89	80	WNW	3	N	3	8	0	—	6°0	37	* a. Fine. (4.30p.)	
12	82	83	40°3	38°5	43°8	35°7	3°5	2°9	184	178	73	77	NNE	3	NNW	1	3	10	—	5°9	31	~. Fine. Cloudy after 2p.	
13	78	75	41°4	40°0	44°5	33°2	3°3	3°0	196	189	76	76	NW	2	WSW	2	8	2	—	4°2	28	~ early. Δ 10.30a-11.30a.	
14	71	71	42°1	40°5	44°0	38°8	2°1	0°5	224	241	84	96	SSW	2	NNW	2	9	9	010	—	35	Drizzling ● showers.	
15	84	85	41°3	40°1	47°5	34°7	1°5	0°7	229	233	88	94	WNW	1	SW	1	0	0	040	10°0	28	~. Very fine.	
16	69	48	43°0	41°6	48°1	39°7	0°8	1°5	259	231	94	89	WSW	3-4	WSW	4-5	10	9	045	0°3	32	* early a. Dull.	
17	58	51	42°1	38°0	47°3	37°7	2°6	0°3	215	222	81	97	WNW	5-6	WNW	2	4	10*	008	3°2	36	* a. ● showers, then dull	
18	66	79	35°9	40°0	42°8	33°3	1°3	2°0	188	207	89	84	NNW	5-6	NNW	4	2	8	—	10°5	31	* 7a.	
19	80	76	40°5	43°8	45°0	37°0	3°3	0°0	188	286	75	100	WNW	2	W	1	9	100	010	1°4	34	Dull after 5p.	
20	83	29°85	47°0	45°2	51°4	42°2	2°8	0°2	257	297	80	99	W	2	W	1	7	8	010	7°0	40	Gloomy after 2.30p.	
21	29°88	30°06	44°0	41°0	52°7	40°5	1°1	2°0	263	215	81	84	WNW	3-4	NW	2	9	0	—	7°0	36	* a. Fine.	
22	30°18	23	44°4	43°5	49°5	38°8	2°4	1°5	240	249	82	88	NW	3	NW	1	2	8	—	10°6	31	~ a. Very fine.	
23	26	24	44°9	44°6	47°5	42°9	2°1	2°6	251	237	85	80	NW	1	Calm	0	10.00	9	—	—	39	Dull and mild.	
24	22	18	44°9	43°9	48°0	42°0	2°3	3°6	247	212	84	74	W	1	Calm	0	10.00	10	—	—	41	Dull and mild.	
25	15	30°07	44°5	36°4	46°8	35°5	3°6	1°7	218	173	83	85	Calm	0	Calm	0	10.00	0	—	—	40	Dull and mild.	
26	30°01	29°88	43°1	42°1	49°7	35°4	2°3	2°1	229	224	82	84	S	2	SW	1	9	0	—	5°7	28	Cloudy.	
27	29°84	29°89	44°2	43°5	47°2	41°8	1°2	2°3	263	233	91	82	S	3	Calm	0	8	7	031	0°3	33	~. Dull, with drizzling ●	
28	30°02	30°12	45°3	40°2	51°2	35°8	3°5	1°9	227	211	75	85	SE	1	Calm	0	1	0	—	11°3	30	~ a. Very fine.	
29	22	24	45°1	42°1	51°6	35°8	1°3	1°1	270	244	90	91	ESE	1	WNW	1	7	0	—	9°8	30	~ a. Very fine.	
30	21	19	49°9	47°0	52°8	39°1	3°4	3°8	277	237	78	74	ESE	1	NW	1	3	0	—	7°7	34	~ a. Very fine.	
31	30°29	30°27	40°5	40°0	49°4	38°8	3°2	2°6	189	196	75	79	ESE	3	ENE	2	9	0	—	3°9	40	~ a. and p. Cloudy.	
M.	29°805	29°793	43°3	42°2	47°6	38°9	2°1	1°6	238	236	85	88	2°7	2°4	7°0	5°0	2°006	135	35°5				

## SHREWSBURY, SHROPSHIRE.—MARCH 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.		Percentage.													
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°	Bright a. ● 5p.					
2	29.78	29.72	37.5	42.1	49.0	31.3	2.5	2.1	177	224	79	84	SSE	2	SSE	4	6	0	01	—	29	Cloudy a., and in afternoon.		
3	72	83	46.8	46.9	51.0	41.5	1.8	2.4	277	265	87	84	SSW	4	SSW	4	10	0	—	—	38	Fine, sunny, and warm.		
4	88	86	43.0	39.5	52.8	38.9	2.3	3.2	228	181	82	75	SSE	4	SSE	2	7	0	—	—	36	Gloomy a. Bright p.		
5	78	68	37.9	40.9	53.0	34.0	0.7	2.7	213	202	94	80	SE	2	SE	2	10	0	—	—	30	Misty till 11a., then sunny.		
6	70	68	37.5	45.0	55.8	34.0	0.3	3.4	218	225	97	76	ESE	2	SE	2	10	0	—	—	38	● showers in afternoon.		
7	69	72	46.2	42.7	51.2	39.3	2.2	1.4	263	244	85	88	SSE	2	SSE	1	8	0	005	—	34	Cloudy till 8p.		
8	79	83	48.0	46.0	56.4	42.0	3.0	3.7	263	231	79	75	S	1	S	1	7	1	02	—	37	● n. ● showers p.		
9	68	57	47.8	47.0	54.0	43.8	1.4	2.4	298	266	90	83	SSE	2	SSE	3-4	10	0	24	—	40	● o. 3op.-2.15p., and 5 p.		
10	56	54	44.8	39.0	53.0	37.4	4.0	1.4	214	210	72	89	SSW	3	SSW	5	7	0	10	—	39	● n. Fine, sunny, and warm.		
11	46	54	44.8	39.0	53.0	37.4	4.0	1.4	214	210	72	89	SW	3	SW	1	3	0	—	—	37	Frosty a. Dull.		
12	67	72	40.0	42.9	47.5	32.9	2.0	3.6	207	203	84	74	W	1	NW	2-3	4	10	—	—	28	Frosty a. Dull.		
13	78	85	38.5	38.0	43.5	33.0	1.5	3.0	203	173	87	75	N	2	N	1	10	0	—	—	25	Frosty a. Sunny intervals.		
14	87	88	37.5	38.5	46.9	28.9	2.9	1.5	171	203	76	87	NW	1	SW	1	6	10	—	—	23	— a. Dull.		
15	87	84	38.0	39.6	49.0	28.7	2.3	2.3	185	199	81	81	SW	1	SW	1	5	0	—	—	34	Fine and bright.		
16	92	98	41.1	34.0	49.8	34.0	1.3	1.0	230	176	89	89	WNW	1	Calm	0	8	0	—	—	22	Dull all day. Cold wind.		
17	93	71	43.4	46.3	50.7	29.0	3.1	1.3	217	283	77	91	SW	2	NW	3-4	7	10	—	—	37	Dull, with ●.		
18	68	63	45.1	40.1	49.6	40.0	5.3	2.0	193	208	65	84	NW	3	NW	2	1	100	03	—	33	● n. ● 8a. Sunny intervals		
19	67	76	32.5	40.0	42.8	31.9	0.5	3.0	175	189	94	76	N	2-3	N	5	7	10	02	—	40	Sunny and warm.		
20	87	89	40.1	42.0	45.5	37.5	2.2	2.6	204	214	82	81	N	2-3	N	1	8	10	—	—	30	Fine and bright.		
21	92	29.96	46.9	44.9	57.8	41.0	2.1	2.0	272	253	86	86	SW	1	Calm	0	6	2	—	—	28	Fine and bright.		
22	96	30.08	48.1	41.0	56.0	36.9	2.7	3.0	271	197	81	77	WNW	2	NW	3	7	4	—	—	24	Fine and bright.		
23	30.24	29	43.0	36.0	52.0	35.9	2.9	0.9	217	195	79	92	NNW	2	Calm	0	2	0	—	—	40	Dull.		
24	34	32	36.2	43.3	49.1	29.0	1.5	1.6	186	246	87	88	NNW	1	Calm	0	10	10	—	—	39	Dull till 3.30p.		
25	31	25	45.0	44.0	48.8	43.0	3.5	3.8	224	209	75	72	NNW	1	N	1	10	10	—	—	25	Fine, sunny, and warm.		
26	30.13	30.01	41.0	39.0	56.0	29.7	2.0	1.0	215	218	84	92	Calm	0	Calm	0	10	6	—	—	25	Bright a. and p.		
27	29.99	29.98	37.4	47.0	53.0	29.4	0.0	3.9	223	235	100	74	SSE	1	SSW	1	0	10	—	—	40	Dull a. Sunny p.		
28	30.08	30.20	45.0	42.0	57.0	41.9	3.1	1.1	231	243	77	91	NNW	1	SSE	1	9	0	—	—	26	≡ 2 till 9.30a.		
29	34	32	36.0	39.0	57.0	30.6	0.0	2.3	212	194	100	82	SSE	1	SSE	1	10	0	—	—	25	Fine and bright.		
30	29	25	41.0	43.5	57.8	27.4	4.0	1.2	180	256	70	90	WNW	2	N	1	4	0	—	—	34	Fine and bright.		
31	30.37	30.36	42.0	35.5	49.1	35.4	6.1	3.0	158	153	59	73	SE	2	S	1	7	0	—	—				
M.	29.919	29.908	41.9	41.5	51.4	35.4	2.4	2.3	220	217	82	83					1.8	1.7	6.7	3.3	0.425	—	31.8	

## CAMBRIDGE, a.—MARCH 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.019 in.

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

+ Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—MARCH 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +0.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	hrs.	°			
1	ins.	ins.						in.	in.	%	%	†	†			ins.	hrs.	°					
2	29.85	29.85	41.7	39.9	48.3	32.0	3.6	2.2	.193	.202	73	82	SW	2	SW	1	0	—	8.4	22	Very pleasant.		
3	82	92	48.1	45.7	51.2	39.9	1.9	1.8	.289	.266	86	87	SE	3	SE	3	8	10	—	0.9	23	Dull day.	
4	98	89	45.9	37.9	50.6	37.0	3.8	1.3	.227	.202	73	88	S	3	SE	2	0	—	9.8	30	Very pleasant.		
5	75	67	40.2	40.1	51.8	36.2	0.7	1.4	.234	.219	94	88	SE	3	E	3	8	0	—	8.2	30	Cool and dull, then bright.	
6	73	71	44.7	42.7	55.7	38.7	2.2	1.5	.246	.241	83	87	SE	1	SE	2	0	0	—	9.9	32	Very bright.	
7	88	80	50.1	48.3	55.1	43.9	2.9	0.3	.290	.331	80	98	S	1	W	2	2	0	—	0.5	32	Dull day.	
8	71	68	49.5	50.2	56.0	43.2	1.1	2.6	.325	.298	92	82	SE	2	SE	4	10	0	—	0.5	32	Very bright.	
9	62	37	51.0	44.7	52.7	42.5	2.6	1.2	.307	.268	82	90	SW	1	SW	1	6	0	—	1.4	14	40	• a. 10 5p.
10	54	56	47.1	39.9	51.4	39.9	2.4	0.6	.268	.233	82	95	W	2	W	1	3	0	—	2.0	41	40	Bright to dull and stormy.
11	68	71	41.1	39.7	47.4	32.0	0.7	2.5	.230	.199	94	80	NW	1	NE	3	0	0	—	8.7	35	Very pleasant.	
12	73	85	39.7	40.2	42.4	37.4	0.7	2.5	.230	.199	94	80	NW	1	NW	1	10	0	—	0.6	5.0	25	Very pleasant.
13	89	88	37.7	39.7	46.9	29.2	2.9	1.7	.172	.210	76	86	NW	1	Calm	0	1	0	—	6.5	21	Very pleasant.	
14	90	29.88	43.0	35.7	47.9	30.1	2.3	1.3	.228	.184	82	88	Calm	0	SW	1	2	0	—	6.8	22	Very pleasant.	
15	92	30.01	39.5	31.7	49.9	30.4	2.6	1.1	.192	.152	79	84	SE	1	Calm	0	10	0	—	4.7	23	Misty a.	
16	99	29.87	43.3	45.2	51.6	28.1	2.8	2.2	.222	.252	79	84	E	1	SW	3	2	10	—	0.4	7.9	21	Very pleasant.
17	71	68	48.5	39.4	50.7	37.1	4.3	1.0	.242	.221	71	92	NW	1	NW	2	5	10	—	0.8	5.7	35	Very pleasant.
18	62	80	33.5	36.5	40.4	32.2	1.3	0.9	.165	.198	85	92	N	1	W	1	9*	10	—	0.5	6.0	31	Pleasant day.
19	87	91	41.0	42.7	47.7	36.5	3.3	3.0	.192	.213	75	77	N	1	W	1	8	0	—	1.0	33	Dull day.	
20	96	29.98	45.7	46.5	54.0	40.0	3.0	1.8	.240	.274	78	87	S	1	Calm	0	10	5	—	1.7	37	Dull day.	
21	29.99	30.08	45.7	42.9	55.2	37.1	1.2	1.7	.278	.239	91	86	N	1	NW	1	8	10	—	1.6	30	Dull day.	
22	30.24	30	41.5	41.7	51.6	35.9	1.8	2.0	.225	.222	86	84	NW	1	Calm	0	0	0	—	8.0	31	Bright and sunny.	
23	33	31	39.9	45.2	49.2	32.4	0.2	1.7	.241	.262	98	87	SE	1	NW	1	10	10	—	2.5	25	Dull day.	
24	32	25	44.1	44.5	48.0	39.5	1.6	1.8	.253	.253	87	86	S	1	Calm	0	10	10	—	—	40	Dull day.	
25	23	14	45.5	38.7	48.4	38.7	3.8	1.5	.223	.205	73	87	E	1	Calm	0	10	0	—	1.7	30	Pleasant day.	
26	12	04	45.7	39.7	51.2	32.9	4.0	2.0	.221	.204	72	84	SE	1	SE	3	0	0	—	10.6	25	Very pleasant.	
27	04	00	45.7	41.5	52.2	34.4	3.2	0.8	.236	.244	77	94	SW	1	Calm	0	10	0	—	10.5	26	Very pleasant.	
28	06	19	44.7	38.7	51.0	34.6	3.2	1.0	.227	.215	77	91	Calm	0	S	1	10	10	—	0.3	27	Dull day.	
29	38	36	39.7	36.5	52.7	34.0	2.4	1.1	.197	.194	81	90	S	1	W	1	10	0	—	10.0	25	Very pleasant.	
30	28	21	42.7	38.3	58.9	30.4	3.5	1.1	.204	.209	74	90	SW	1	NW	1	0	0	—	6.9	22	Pleasant day.	
31	30.37	30.37	44.5	34.7	47.4	31.3	7.2	3.1	.159	.144	54	71	NE	2	E	2	3	0	—	9.5	30	Pleasant day.	
M.	29.943	29.939	43.8	41.1	50.5	35.8	2.6	1.6	.233	.227	81	87	1.3	1.5	5.6	2.9	0.68	165	29.6				

SOUTHAMPTON, HAMPSHIRE, a.—MARCH 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		ins.	hrs.	°		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.													
1	ins.	ins.	40.1	42.2	49.0	33.8	2.0	1.7	.208	.233	84	88	NW	3	NW	4	0	0	.005	9.1	21	Fine. ● showers n.	
2	.07	.10	47.0	47.5	51.1	42.1	1.9	3.5	.277	.248	87	76	SW	4	SE	5	5	10	—	1.7	36	Fine.	
3	.13	.01	47.0	41.9	50.3	41.4	4.0	2.9	.233	.208	73	79	SE	4	SE	4	0	0	—	9.8	35	Fine.	
4	.29	.80	46.5	45.3	51.4	36.4	2.9	1.8	.251	.261	80	87	SE	4	SE	4	0	0	—	8.7	31	Fine.	
5	.82	.86	48.4	43.3	53.4	42.8	3.4	2.9	.260	.270	77	80	SE	4	SE	2	0	10	.005	9.3	36	Fine.	
6	.29	.96	48.9	46.2	52.6	46.0	3.7	2.3	.260	.261	75	84	SE	5	SE	3	10	0	.085	1.5	41	Dull a. Fine p.	
7	.30	.04	49.0	43.0	56.7	42.8	1.7	1.1	.305	.253	88	91	SW	2	SW	2	8	0	.030	6.5	38	Dull to fine. $\frac{1}{2}$ p.	
8	.29	.92	48.9	49.5	52.3	42.8	0.9	1.5	.322	.315	94	89	SW	3	SW	3	10 <sup>0</sup>	5	.020	0.2	36	● 6a.—10a.	
9	.84	.61	49.0	45.2	51.1	45.0	1.5	1.0	.310	.278	90	93	SW	3	SW	4	10	10	.450	—	47	● 9a.—11p.	
10	.71	.70	46.0	44.2	53.3	41.2	1.7	1.7	.272	.253	88	87	SW	3	SE	2	8	10	—	3.6	32	Fine.	
11	.78	.72	44.2	45.0	51.6	40.2	3.1	3.5	.224	.224	77	75	NE	3	NE	5	8	10	.275	2.3	35	Fine. ● from 11.30p.	
12	.29	.76	49.7	40.9	42.1	45.5	3.8	2.6	.218	.215	86	81	NE	5	NE	5	10	10	.010	—	38	● till 5a. ● 10a.—11a.	
13	.30	.01	41.3	36.9	46.9	34.9	4.7	2.6	.172	.171	67	79	NE	4	NE	2	0	0	—	8.0	30	Fine.	
14	.07	.03	36.0	37.5	50.1	29.4	1.0	0.9	.193	.207	91	92	NE	3	SE	3	0	0	—	7.2	20	— a. Fine.	
15	.06	.12	41.0	43.2	51.0	29.3	3.3	2.2	.192	.232	75	83	NE	2	NE	3	0	10	—	6.4	19	— a. Fine.	
16	.30	.17	30.04	42.9	42.0	36.1	29.2	3.6	1.6	.203	.233	74	88	NW	3	SW	3	0	0	.010	9.0	21	— a. Fine.
17	.29	.86	29.83	49.5	44.0	53.6	40.9	1.0	3.5	.328	.215	93	74	NW	3	NW	3	1	10	.080	5.6	33	● early a. Fine.
18	.29	.70	29.89	42.0	35.0	44.5	34.7	3.7	3.3	.195	.159	74	78	NW	4	NW	5	8	0	.030	6.2	31	● oa.—3a. * showers.
19	.30	.00	30.05	43.3	37.1	46.5	33.6	4.9	1.9	.184	.185	65	84	NE	5	NW	4	7	0	—	2.7	29	* till 1.30a. Fine.
20	.12	.15	42.0	40.0	51.4	29.5	3.0	1.9	.207	.209	78	85	NW	3	SW	3	0	0	—	6.3	21	— a. Fine.	
21	.14	.15	41.9	48.1	54.0	36.3	4.7	3.6	.250														

## PLYMOUTH, DEVONSHIRE, a.—MARCH 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground :—Bar, 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	29°'95	29°'93	44°'4	48°'0	49°'0	34°'1	5°'6	2°'4	183	276	62	83	—	1	SSW	28	0°00	10	—	5°'4	28	Fine.	
2	'93	'97	49°'6	48°'2	51°'6	47°'6	2°'6	3°'2	291	261	82	78	S	24	S	22	10	10	—	1°'6	46	Dull α. Fine p.	
3	'95	'87	46°'8	44°'2	49°'9	41°'9	3°'7	2°'6	237	234	74	80	S	E	22	SSE	14	3	0	8°'8	41	Fine, sunny, and warm.	
4	'73	'66	46°'0	45°'1	52°'2	41°'9	2°'8	1°'5	248	265	80	88	E	17	E	13	0	0	—	8°'7	38	Fine, but with cool breeze.	
5	'65	'70	49°'2	48°'2	52°'6	44°'4	3°'6	1°'6	266	297	76	89	E	15	ENE	21	1	0	—	7°'7	41	Fine.	
6	'74	'80	47°'8	47°'4	52°'6	46°'9	0°'6	0°'8	317	308	95	94	S	22	SSW	32	10	10	2°'3	17	44	● α.	
7	'86	'94	49°'0	49°'0	53°'1	45°'4	1°'4	0°'8	312	327	90	94	WSW	6	S	20	10	9	0°'7	5°'8	45	Fine, with intermittent	
8	'94	'80	49°'0	49°'8	51°'1	47°'1	0°'4	0°'9	338	335	97	93	S	16	SSW	22	10	10	0°'7	0°'1	46	Dull, with strong wind. [sl	
9	'69	'53	49°'0	45°'6	50°'3	45°'2	0°'0	2°'6	348	248	100	81	S	18	W	8	10	0	2°'4	0°'1	46	Dull. Frequent ● showers	
10	'64	'04	45°'2	44°'2	52°'4	41°'6	1°'8	1°'8	260	250	87	86	—	2	—	1	3°00	0	—	8°'8	37	Fine, but with cool breeze.	
11	'72	'72	43°'6	44°'1	54°'0	37°'1	4°'0	2°'5	203	235	71	80	N	3	N	12	0°00	2	—	9°'9	31	Fine, but with cool breeze.	
12	'76	29°'85	38°'2	40°'7	45°'0	37°'8	1°'6	3°'8	198	181	86	71	N	19	N	15	10	3	0°'1	—	36	Dull and gloomy.	
13	'98	30°'01	39°'6	39°'1	46°'8	36°'9	4°'0	3°'9	169	166	70	70	N	7	—	1	10	0	—	5°'9	33	Fine, but cool.	
14	29°'98	29°'92	37°'3	37°'6	49°'1	30°'3	2°'1	3°'4	183	163	83	73	—	3	N	5	7	0	—	5°'1	25	Fine.	
15	30°'00	30°'09	39°'5	42°'6	50°'6	32°'7	2°'5	3°'2	194	208	80	77	—	0	—	3	7	0	—	4°'4	24	Fine, but cool.	
16	30°'14	30°'05	40°'9	42°'6	52°'4	33°'6	2°'0	2°'6	215	219	85	81	—	2	N	11	3	0	0°'4	10°'3	27	Fine, but cool.	
17	29°'90	29°'85	48°'6	44°'6	51°'8	42°'6	1°'6	3°'7	302	217	89	73	N	13	NW	6	4	8	—	7°'3	40	Fine, but cool.	
18	29°'75	29°'95	40°'6	37°'0	45°'6	36°'6	1°'5	2°'0	221	182	88	83	N	17	N	8	7	0	—	9°'4	36	▲ showers α.	
19	30°'01	30°'02	41°'8	40°'2	45°'6	36°'6	2°'6	2°'0	213	209	81	85	N	11	—	2	8	5	—	4°'1	31	Fine, but cold.	
20	'05	'10	49°'1	45°'0	49°'6	39°'3	3°'1	1°'8	275	257	78	86	—	0	S	5	10	7	—	0°'1	32	Dull and gloomy.	
21	'09	'12	48°'3	46°'3	56°'0	43°'3	3°'7	2°'1	253	265	75	85	N	5	N	14	1	4	—	5°'9	37	Fine, sunny, and warm.	
22	'28	'34	45°'4	44°'3	53°'8	38°'8	5°'0	4°'4	201	202	66	69	N	12	E	6	0	0	—	8°'9	39	Fine, but with cool breeze.	
23	'39	'37	45°'2	45°'0	55°'2	36°'8	4°'6	3°'4	206	225	69	76	—	2	—	2	0	0	—	9°'1	29	Fine and sunny.	
24	'36	'30	46°'2	42°'4	50°'8	39°'1	1°'2	5°'5	285	170	92	63	N	5	—	3	10	7	—	3°'3	31	Dull α. Sunny afternoon.	
25	'26	'19	46°'3	43°'0	49°'8	42°'0	3°'1	4°'4	245	191	78	69	E	7	E	4	10	0	—	4°'8	36	Fine. Sunny afternoon.	
26	'16	'13	46°'3	43°'0	53°'0	41°'9	2°'7	2°'2	256	230	81	83	E	7	E	10	10	3	—	7°'0	34	Fine.	
27	'10	'11	46°'8	43°'3	52°'7	41°'8	2°'9	1°'3	254	252	80	90	E	7	—	2	10	0°00	0	6°'6	36	Fine.	
28	'17	'25	40°'2	42°'8	50°'6	35°'4	0°'6	1°'2	237	249	95	91	—	3	—	1	0°00	0	—	8°'2	29	Fine, but with cool breeze.	
29	'37	'41	47°'0	40°'0	51°'0	40°'0	1°'2	1°'4	293	218	92	89	E	10	—	3	10°00	0	—	5°'1	30	Fine.	
30	'36	'26	43°'6	47°'1	54°'6	33°'3	3°'0	2°'5	220	265	78	82	—	2	N	15	0°00	0	—	6°'1	26	Intermittent sunshine.	
31	30°'36	30°'37	41°'8	40°'9	48°'6	40°'8	4°'6	4°'7	178	168	68	65	E	16	ENE	14	10	0	—	7°'7	38	Fine, but with cold wind.	
M.	30°008	30°008	44°9	43°9	51°2	39°8	2°6	2°6	245	235	82	81	—	9	—	10	5°9	2°8	0°76	178	35°2		

\* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—MARCH 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.					9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	36.5	41.0	45.5	32.7	2.5	0.5	1.70	.246	78	96	S	14	S	11	8	7	ins.	hrs.	°	
2	29.36	29.40	36.5	41.0	45.5	32.7	2.5	0.5	1.70	.246	78	96	S	14	S	11	8	7	527	2.4	28	° showers p.
3	31	51	50.0	49.3	53.2	41.0	1.9	3.1	312	.277	87	78	S	21	S	17	10	10	008	0.1	40	Overcast.
4	61	70	46.0	43.2	49.9	43.2	2.0	2.7	265	.253	86	80	SSE	20	SE	14	10	9	—	—	45	Overcast.
5	65	57	42.3	40.7	46.0	40.7	2.3	2.0	222	.213	83	85	SE	10	—	2	10	7	—	1.5	38	Fine.
6	60	59	45.0	43.4	52.1	39.2	2.8	2.4	237	.230	79	81	SE	12	ESE	8	8	3	—	6.7	32	Fine.
7	54	56	46.9	45.0	52.0	39.3	1.9	3.2	276	.229	87	77	SSE	11	SSE	8	8	10	015	2.9	34	Fine.
8	67	56	45.0	46.2	54.0	41.3	1.8	2.4	257	.259	86	84	SSW	7	S	15	0	9	263	7.0	39	Fine.
9	53	29.33	46.0	38.0	48.2	38.0	3.0	1.2	244	.204	79	89	S	9	S	7	9	10	277	0.1	39	Fine.
10	36	28.98	42.8	40.0	47.9	38.0	2.0	0.8	233	.230	85	94	S	12	SW	8	3	10	395	1.0	36	● showers.
11	26	29.53	40.7	38.1	48.2	35.1	1.7	2.1	218	.189	86	82	SSW	13	SW	6	8	4	010	3.5	33	● from 2p.
12	96	58	45.0	32.8	47.1	32.8	3.6	0.8	222	.170	74	91	—	3	—	3	4	0	005	3.8	35	Fine.
13	95	38.0	36.2	44.0	20.0	3.1	2.0	0	171	.177	74	83	—	1	—	2	2	9	—	1.5	22	— early a. Fine.
14	71	82	37.5	40.5	47.0	31.0	2.5	4.3	177	.171	79	67	—	2	SSW	7	9	10	023	0.8	25	Dull, but dry.
15	94	83	40.7	38.4	44.1	31.1	1.1	1.0	231	.212	91	92	SSW	10	—	2	10	0	030	—	35	Overcast. Frequent ● showers
16	96	91	38.7	38.2	52.1	31.8	2.0	4.2	197	.155	85	67	SW	5	SW	10	0	0	—	9.0	26	— a. Very fine and bright.
17	72	54	46.9	47.7	51.5	38.2	1.1	3.0	295	.261	93	80	SW	15	SE	14	10	10	—	—	36	Overcast.
18	73	63	43.8	36.6	47.7	36.6	4.6	1.6	194	.186	68	86	WNW	7	—	3	9	9	043	1.7	35	Overcast. ● showers from 5p.
19	86	39.0	33.6	44.1	32.0	3.0	1.4	0	181	.164	77	85	N	4	NW	6	8	8	—	4.3	28	* early a. Fine.
20	91	86	42.3	44.9	45.1	33.6	2.8	0.2	213	.293	80	99	W	4	SW	4	10	10	015	—	28	Frequent mist.
21	29.92	29.92	45.1	46.7	50.5	43.2	1.0	4.0	276	.230	92	73	SW	4	SW	4	10	10	007	1.9	40	Fine and mild.
22																						

MARKREE CASTLE, SLIGO, a.b.—MARCH 1910.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $8^{\circ} 27' W.$  Lat.  $54^{\circ} 11' N.$  Gravity Correction,  $+0.024$  in.

1	29°56	29°44	38°9	43°0	46°7	29°3	1°9	2°0	2°00	2°34	85	84	S	5	SE	2	5	10	10	33	24	38	Fair a. ☉ showers p.
2	33	47	49°0	49°0	52°3	40°0	1°0	2°0	3°22	2°98	83	86	S	6	SW	6	10	10	41	—	44	Mild, with ☉. ↗ n.	
3	58	68	47°8	46°0	51°0	45°0	1°8	2°2	2°88	2°61	87	85	S	6	SE	5	10	10	02	—	36	Fair and mild.	
4	63	57	44°4	44°0	47°0	38°7	3°0	2°5	2°24	2°34	77	81	SE	4	SE	4	10	10	—	33	36	Fair.	
5	64	63	44°5	43°5	55°3	39°4	2°5	2°5	2°38	2°29	81	80	SE	2	SE	3	4	7	—	44	38	Fine and warm.	
6	54	60	48°3	44°5	53°9	42°0	2°3	0°5	2°82	2°81	84	96	S	4	SE	1	10	10	10	20	33	☉ in evening.	
7	71	55	46°3	47°0	54°5	44°0	2°3	1°0	2°61	2°98	84	93	S	3	S	2	7	10	41	58	34	Fine. ☉ n.	
8	57	36	42°0	41°0	47°9	38°7	1°5	1°0	2°35	2°35	89	92	SE	3	SSE	2	10	10	20	13	32	☉ showers.	
9	40	24	44°0	41°0	46°0	35°9	1°8	2°0	2°48	2°15	86	84	S	3	Calm	0	10	10	131	—	28	Fair a. ☉ p.	
10	38	29	64	42°0	36°0	45°0	32°9	1°2	1°0	2°41	193	91	WNW	3	Calm	0	10	0	38	08	27	☉ toa.—noon.	
11	29	30	01	45°5	39°8	48°5	32°9	3°7	3°8	2°25	174	74	N	3	N	2	7	1	—	66	28	Bright and cool.	
12	30	07	30	41°7	32°0	45°3	31°0	3°7	1°0	1°92	157	73	NE	2	Calm	0	9	0	—	01	21	Fair, but dull.	
13	30	01	29	41°0	41°0	46°9	26°3	3°0	2°1	1°97	213	77	S	2	S	1	7	10	09	21	37	Fair and cool.	
14	29	82	29	40°9	37°0	43°8	36°0	0°9	1°0	2°36	200	93	Calm	0	Calm	0	10	1	17	—	22	Cool, with ☉ showers.	
15	30	07	98	44°0	38°0	51°2	2°0	2°5	1°0	2°34	208	81	Calm	0	SE	2	1	10	03	85	36	Fine.	
16	29	83	73	48°5	47°7	53°4	37°0	0°5	1°7	3°28	289	96	S	3	WNW	3	10	9	03	04	36	☉ showers.	
17	29	87	78	48°9	38°0	49°0	36°5	4°9	1°2	1°89	204	66	89	NW	3	N	2	10	09	01	31	Cool, with ▲.	
18	30	01	30	10°10	40°4	39°4	35°4	4°9	3°0	1°61	181	64	77	N	3	Calm	0	5	7	01	55	31	Fine, but cool.
19	01	29	98	42°5	44°7	50°0	35°6	1°5	1°7	2°39	257	88	87	SW	2	Calm	0	10	10	02	—	41	Fair.
20	02	30	02	51°3	47°5	58°7	43°0	1°3	2°5	3°44	269	91	82	SE	1	Calm	0	10	10	04	20	38	Fine.
21	12	31	42°8	41°0	49°2	38°8	2°3	1°3	2°27	229	83	90	N	2	Calm	0	5	3	05	30	29	▲ ☉	
22	43	44	47°0	44°0	44°5	50°2	40°5	1°0	1°5	2°55	259	92	83	Calm	0	Calm	0	10	10	—	38	39	Fine. ≡
23	46	42	44°4	44°0	52°0	30°7	2°8	3°0	2°55	229	80	78	Calm	0	Calm	0	0	10	—	04	27	Dull and overcast.	
24	39	34	46°8	44°5	52°0	30°7	2°8	3°0	2°55	229	80	78	Calm	0	Calm	0	0	10	—	28	39	Bright a. Dull, with ≡ p.	
25	29	30	16	42°8	43°5	46°0	40°7	3°1	3°5	2°12	210	77	74	SE	2	SE	3	10	10	—	34	Dull and cold.	
26	07	29	93	40°3	45°8	52°9	35°3	1°5	2°8	2°19	246	88	80	S	SSE	1	10	10	06	07	41	Fair, but cool.	
27	29	96	30	09	45°8	40°9	52°9	39°5	1°8	1°0	2°67	235	87	NW	1	Calm	0	9	6	—	55	27	Fine.
28	30	20	27	46°5	40°0	56°9	30°7	2°5	1°7	2°59	213	82	86	Calm	0	Calm	0	2	0	—	68	29	≡ a. Fine and bright.
29	35	35	43°0	38°0	58°8	34°0	2°0	1°0	2°34	208	84	91	Calm	0	Calm	0	9	0	—	95	26	Fine and warm.	
30	38	41	41°0	35°5	51°1	29°9	0°0	1°0	2°37	189	100	91	Calm	0	Calm	0	10	1	—	10	24	≡ a. Dull.	
31	30°40	30°38	46°0	46°5	54°9	28°2	2°5	3°5	2°55	238	83	76	Calm	0	SE	2	3	10	—	47	38	Bright a. Dull and mild p.	
M.	29°34	29°29	44°3	42°1	50°6	35°7	2°2	1°8	2°45	231	84	86		2°2		1°3	7°5	7°2	375	84	329		

\* Miles per hour.

† Beaufort Scale (0-12).

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHOENIX PARK), a.—MARCH 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.	9 a.m.	9 p.m.	9 a.m.					9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.													
1	ins.	ins.	41.9	46.9	49.1	31.9	1.6	1.0	233	298	88	93	SSW	15	S	13	8	10	ins.	hrs.	°	Cloudy and overcast.	
2	29.67	29.52	41.9	46.9	49.1	31.9	1.6	1.0	233	298	88	93	SSW	15	S	13	8	10	112	13	27	Cloudy and overcast.	
3	50	75	50.9	49.9	52.4	41.7	1.1	1.7	346	315	93	88	SSW	27	S	20	9	10	—	—	—	43	early a. Overcast.
4	72	78	48.0	44.9	50.9	44.7	1.2	1.4	304	266	92	90	S	17	SE	9	9	7	—	—	—	43	Cloudy and overcast.
5	70	60	42.9	44.3	46.2	39.9	1.2	1.1	249	266	91	92	SE	9	ESE	5	10	6	—	—	—	39	Cloudy and overcast.
6	64	63	46.5	47.7	51.7	40.1	1.6	1.6	279	292	88	89	SE	7	SE	8	7	7	—	—	—	34	Fine.
7	59	61	46.6	45.4	51.2	43.9	0.2	0.5	313	293	99	97	ESE	6	SE	6	9	10	0.84	0.7	40	Overcast. • p.	
8	78	68	48.0	49.0	55.2	40.3	2.2	1.1	281	320	85	92	SW	5	S	9	3	6	114	8.7	32	Cloudy. • p.	
9	61	41	44.0	45.5	52.5	38.0	0.2	1.6	283	268	98	88	—	2	SSE	4	9	10	165	2.1	33	• a. Cloudy. • p.	
10	44	20	47.7	40.9	49.8	38.1	3.1	1.0	259	235	79	92	SSW	10	WSW	20	10	4	015	0.4	38	Cloudy. • a. and p.	
11	38	61	41.4	35.2	49.8	34.9	2.0	0.6	220	194	85	94	SW	14	—	3	10	0	005	6.1	32	• a. Cloudy.	
12	80	29.90	38.3	36.6	48.4	31.5	0.6	1.7	219	185	95	86	W	5	NW	5	9	0	—	5.6	24	Fine.	
13	98	30.00	40.2	38.3	44.8	31.4	1.7	2.2	215	189	87	82	N	8	—	1	3	10	—	8.6	26	Fine.	
14	99	29.92	37.7	32.2	47.9	30.7	1.5	0.3	197	177	87	97	WSW	6	—	0	9	0	—	3.5	23	Cloudy.	
15	83	29.88	42.8	40.1	45.7	28.8	2.1	0.2	231	244	84	98	SW	6	—	1	10	10	072	—	23	Overcast. • p.	
16	04	30.04	39.7	37.4	50.3	29.1	1.2	0.9	220	206	90	93	W	4	—	2	0	0	—	7.7	22	Fine.	
17	87	29.68	46.5	48.2	52.6	31.7	1.3	1.2	286	306	90	92	WSW	13	WSW	17	9	10	006	0.3	24	Overcast. • p.	
18	82	29.69	43.5	38.7	49.0	37.9	1.7	0.4	246	227	86	96	W	8	NW	5	6	10	090	2.2	35	Cloudy. • p.	
19	91	29.93	37.9	35.2	41.8	34.0	2.0	0.7	190	192	83	93	NNW	11	NNW	5	4	10	—	4.6	30	Cloudy.	
20	01	30.02	45.9	46.7	54.1	42.6	1.0	0.6	288	304	94	96	W	6	WSW	4	9	10	006	0.4	24	Overcast. • p.	
21	07	25	45.3	41.2	49.8	40.2	0.4	1.1	294	235	97	92	NNW	11	NW	5	10	1	—	0.8	40	Overcast.	
22	38	39	41.3	45.0	50.7	29.9	0.4	0.7	252	282	97	94	W	5	—	3	0	10	—	5.5	24	Fine, but cloudy.	
23	42	40	45.9	44.7	48.9	41.9	1.3	1.3	280	266	92	90	—	2	—	1	0	10	—	—	41	Fine, but overcast.	
24	38	32	46.7	43.3	48.8	40.9	2.8	1.2	255	254	81	91	—	0	—	0	10	10	—	—	40	Fine, but overcast.	
25	27	30.19	43.7	32.5	46.8	32.1	2.1	0.6	240	172	84	93	—	3	—	0	10	0	—	0.1	38	Fine, but overcast.	
26	09	29.97	46.9	45.9	53.6	27.2	2.0	1.7	274	271	86	89	ESE	4	SSW	8	6	3	—	5.6	23	Fine, but cloudy.	
27	93	30.04	50.9	37.9	51.8	37.9	2.4	0.2	313	223	85	93	SW	14	—	0	9	0	005	—	37	Overcast. • a. and p.	
28	17	27	45.7	34.9	51.1	28.9	1.2	0.5	280	193	92	95	—	2	—	1	4	0	—	9.3	26	Fine.	
29	35	36	47.6	37.9	51.9	25.1	3.2	0.5	256	217	78	90	—	1	—	0	0	0	—	9.4	20	Fine.	
30	36	33	40.9	35.6	50.2	32.9	0.7	0.7	240	197	95	94	WSW	6	—	0	10	0	—	4.0	26	Fine, but cloudy.	
31	30.37	30.40	43.9	38.2	48.9	31.2	1.9	0.9	245	212	85	93	N	5	E	4	10	0	—	7.4	27	Fine.	
M.	29.938	29.925	44.2	41.5	49.8	35.2	1.5	0.9	259	245	89	93	8	5	7.2	5.3	0.674	106	31.3				

## BIRR CASTLE, KING'S COUNTY, a.b.—MARCH 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MARCH 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNES.†						NORTH SHIELDS.†						GREAT YARMOUTH.†§						
Height of Cups above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.						Height of Cups above—Roof 8 ft., Ground 60 ft., M.S.L. 133 ft.						Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cups above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
1	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
2	15, 19	13, 26	12, 37	23		21, 6	18, 12	13, 14	15, 18	16, 23	24	24, 8	26, 7	21, 4	18, 8	—	16	10. 20

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡					HOLYHEAD.†§						
Height of Cups above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.					Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cups above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	18, 12	16, 13	16, 23	22	17, 10	15, 17	14, 19	15, 22	— 40	22. 15	16, 15	15, 21	15, 25	16, 26	— 44	21. 10
3	17, 21	16, 12	16, 29	8, 10	15, 23	18, 26	16, 15	15, 21	— 43	2. 45	17, 29	17, 25	16, 23	16, 20	— 50	3. 5
4	16, 9	— 2	15, 16	1, 10, 11	13, 18	15, 24	12, 15	10, 13	— 39	11. 50	15, 28	14, 23	15, 11	14, 10	— 43	8. 50
5	8, 10	8, 10	9, 11	20	11, 16	11, 20	11, 14	9, 17	— 39	15. 15	9, 4	14, 15	12, 10	9, 7	— 24	13. 20
6	3, 7	8, 5	3, 9	7	9, 9	12, 15	8, 12	11, 14	— 25	22. 0	8, 15	12, 11	13, 7	9, 4	— 21	14. 30
7	14, 13	15, 10	14, 13	13	12, 15	13, 23	16, 15	13, 12	— 40	12. 55	12, 16	14, 15	16, 11	15, 15	— 27	23. 15
8	22, 9	— 2	14, 13	4	22, 14	21, 17	19, 9	16, 13	— 30	2. 50	20, 12	17, 13	16, 14	15, 15	— 33	23. 10
9	14, 10	19, 11	16, 17	2, 4	13, 14	15, 17	17, 19	16, 16	— 35	16. 45	16, 10	14, 20	18, 17	17, 16	— 47	23. 30
10	15, 10	14, 18	18, 22	1	16, 16	13, 15	14, 21	17, 20	— 50	22. 40	16, 16	14, 15	16, 21	19, 25	— 48	1. 0
11	20, 15	22, 15	20, 17	11	20, 22	20, 25	22, 22	22, 21	— 51	1. 5	20, 18	20, 22	21, 8	19, 8	— 42	11. 45
12	25, 4	7, 4	24, 25	6	26, 14	27, 10	7, 9	6, 11	— 22	4. 40	26, 13	30, 16	31, 24	31, 22	— 36	19. 0
13	3, 7	— 2	4, 10	10	31, 19	3, 16	1, 15	1, 11	— 31	7. 0	3, 26	3, 23	2, 21	3, 14	— 32	6. 50
14	21, 9	23, 4	— 1	14	— 2	25, 12	25, 12	24, 13	— 19	17. 25	26, 11	27, 12	27, 4	21, 7	— 22	11. 10
15	28, 7	25, 7	26, 10	14	17, 10	21, 11	21, 13	21, 11	— 29	1. 50	19, 21	19, 15	20, 9	21, 11	— 27	15. 15
16	22, 17	21, 13	22, 23	23	31, 14	27, 12	24, 21	20, 9	— 24	6. 45	31, 8	28, 9	— 3	20, 9	— 20	6. 25
17	26, 20	26, 8	23, 23	2	21, 32	21, 32	20, 24	21, 30	— 48	10. 55	19, 21	19, 23	20, 21	20, 20	— 38	16. 30
18	30, 15	30, 12	32, 15	9	26, 29	25, 30	27, 19	28, 18	— 57	8. 20	26, 25	25, 20	24, 21	24, 14	— 52	1. 15
19	26, 8	25, 4	27, 10	16	32, 25	29, 35	29, 34	30, 36	— 47	14. 30	32, 32	30, 29	29, 27	28, 27	— 50	6. 40
20	24, 10	23, 5	24, 10	11, 12, 13, 14, 15	30, 21	28, 21	27, 16	24, 7	— 32	0. 20	26, 4	25, 10	18, 11	19, 10	— 19	23. 35
21	26, 11	29, 5	26, 11	13	24, 9	25, 11	25, 8	22, 6	— 20	0. 30	24, 15	21, 30	9, 30	10, 10	— 24	12. 30
22	32, 4	28, 8	28, 8	16, 17, 18	32, 4	28, 15	28, 14	31, 7	— 26	1. 5	31, 10	30, 10	29, 7	29, 7	— 20	0. 20
23	— 3	26, 5	26, 5	14, 18	— 2	28, 12	27, 10	26, 9	— 17	15. 55	29, 5	29, 6	29, 5	— 3	— 12	15. 45
24	28, 7	27, 4	27, 7	12, 16	26, 8	28, 9	28, 10	29, 5	— 15	16. 5	— 2	— 3	— 3	— 3	— 10	16. 55
25	— 2	— 1	— 3	24	— 3	30, 7	32, 6	8, 4	— 14	15. 45	— 1	— 3	31, 4	4, 4	— 1	?
26	12, 6	11, 4	11, 8	15	12, 6	13, 9	15, 7	13, 11	— 16	22. 50	9, 9	16, 10	21, 7	17, 5	— 20	14. 50
27	20, 6	23, 4	23, 7	14	14, 8	21, 10	23, 9	22, 13	— 18	10. 35	16, 15	16, 16	18, 12	19, 7	— 29	11. 30
28	— 3	— 3	8, 4	16	— 3	— 3	4, 5	11, 8	— 17	16. 30	32, 7	32, 10	32, 6	32, 7	— 15	14. 15
29	21, 6	27, 4	20, 21	12, 13	14, 9	14, 8	29, 8	10, 5	— 16	11. 15	— 3	17, 4	— 2	— 2	— 8	13. 10
30	— 2	7, 4	8, 7	4	— 3	26, 13	32, 12	10, 5	— 20	16. 15	— 3	26, 10	28, 6	— 1	— 17	11. 55
31	10, 6	10, 4	10, 7	11, 14, 15, 16	12, 12	11, 8	10, 10	11, 8	— 22	5. 35	8, 12	— 3	6, 12	7, 10	— 19	17. 40

## GLASGOW.†

Height of Cups above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.

## KINGSTOWN.†

Height of Cups above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.

## ROCHES POINT.‡

Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.

Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	17, 10	14, 12	16, 14	15, 20	13, 14	16, 25	17, 11	16, 17	— 34	156	— 32	— 33	— 38	— 40	— 51	19. 45
3	18, 22	17, 20	18, 22	7, 13, 15	14, 20	15, 25	16, 13	13, 14	— 35	2. 10	— 35	— 34	— 31	— 32	— 48	2. 10
4	17, 17	15, 9	18, 16	19	11, 20	12, 18	— 3	13, 12	— 26	9	— 26	— 24	— 17	— 15	— 37	10. 55
5	11, 8	8, 9	9, 10	21	11, 8	8, 12	12, 7	14, 14	— 10	20, 21	— 12	— 20	— 15	— 14	— 28	23. 10
6	10, 9	7, 12	7, 12	17, 18	12, 15	15, 18	15, 15	14, 13	— 12	10	— 12	— 20	— 8	— 5	— 33	5. 30
7	11, 7	7, 11	9, 10	24	13, 7	12, 15	14, 12	15, 18	— 18	15	— 18	— 22	— 25	— 25	— 37	20. 30
8	16, 6	12, 8	19, 15	22	15, 14	13, 5	12, 4	15, 13	— 20	1	— 20	— 14	— 12	— 10	— 43	11. 20
9	21, 10	8, 9	20, 14	12	15, 15	14, 15	17, 22	21, 34	— 10	2, 3	— 10	— 0	— 0	— 0	— 24	11. 45
10	20, 18	23, 15	21, 21	12	18, 18	22, 26	23, 6	22, 4	— 16	2, 12, 13	— 10	— 14	— 16	— 16	— 38	21. 40
11	31, 8	32, 8	23, 26	9	24, 14	31, 18	30, 19	27, 12	— 10	15, 17	— 16	— 16	— 14	— 5	— 30	3. 10
12	32, 7	31, 4	32, 7	1, 2	29, 15	2, 19	2, 11	30, 9	— 2	11, 12	— 16	— 16	— 14	— 5	— 30	3. 10
13	25, 10	23, 9	26, 11	14	22, 14	24, 8	20, 4	— 3	— 2	8	— 2	— 0	— 8	— 4	— 15	19. 30
14	20, 10	26, 7	20, 12	12	16, 4	20, 7	— 2	23, 6	— 14	10	— 14	— 10	— 14	— 5	— 23	7. 20
15	27, 5	23, 11	24, 13	17	23, 7	28, 4	22, 7	19, 9	— 8	6	— 12	— 4	— 6	— 3	— 20	7. 30
16	24, 23	24, 24	24, 30	17	19, 27	19, 19	20, 23	21, 26	— 17	22, 24	— 8	— 14	— 10	— 12	— 27	14. 20
17	27, 13	27, 8	25, 21	2	22, 23	24, 21	23, 15	28, 9	— 20	31	— 20	— 31	— 20	— 18	— 50	12. 5
18	32, 10	31, 12	31, 13	15	30, 26	30, 28	26, 21	25, 15	— 2	13	— 2	— 10	— 11	— 11	— 21	20. 15
19	23, 10	21, 6	21, 10	16	23, 15	23, 21	22, 12	22, 14	— 5	3	— 5	— 3	— 5	— 3	— 21	2. 35
20	23, 10	21, 10	23, 12	21	23, 16	23, 13	23, 5	21, 21	— 16	20	— 16	— 20	— 15	— 12	— 36	10. 10
21	27, 10	26, 11	29, 13	12	30, 17	32, 9	28, 11	27, 14	— 9	9, 11, 15	— 9	— 4	— 1	— 0	— 18	6. 20
22	27, 9	26, 10	26, 11	16	24, 12	1, 10	— 0	28, 4	— 5	1, 2, 3, 4	— 5	— 9	— 9	— 6	— 14	6. 0
23	26, 10	26, 9	26, 12	15, 16	— 1	— 1	— 1	— 1	— 5	15	— 5	— 7	— 5	— 10	— 17	22. 55
24	24, 10	25, 7	26, 24	10	— 1	9, 4	14, 4	— 2	— 10	8	— 10	— 15	— 10	— 16	— 24	10. 40
25	18, 5	— 2	18, 5	13	14, 6	12, 4	— 2	— 1	— 16	2	— 16	— 21	— 18	— 17	— 25	15. 55
26	17, 10	19, 7	19, 10	15, 16	9, 8	14, 15	12, 8	15, 9	— 9	14	— 9	— 15	— 0	— 2	— 25	2. 55
27	20, 14	26, 9	20, 14	11, 13	15, 11	19, 15	27, 6	27, 4	— 10	13, 14	— 10	— 14	— 5	— 2	— 19	12. 20
28	26, 4	25, 4	22, 25	4, 15, 17, 18	— 2	6, 5	— 1	— 2	— 6	5	— 6	— 7	— 6	— 6	— 13	16. 5
29	21, 10	21, 6	21, 12	14	10, 4	8, 4	15, 7	— 2	— 10	14	— 6	— 5	— 5	— 0	— 12	2. 15
30	26, 4	25, 4	24, 6	5	24, 10	29, 10	25, 7	28, 6	— 7	10, 11	— 7	— 20	— 14	— 10	— 26	11. 15
31	— 2	— 3	8, 7	2, 4	14, 12	14, 13	12, 7	16, 4	— 13	17	— 7	— 20	— 14	— 10	— 26	11. 15

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

§ Dines Pressure Tube Anemometer.

Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

[Price One Shilling and Sixpence.]

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

## DEERNES, ORKNEY, a.b.—APRIL 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.		
------	--	--	------------------	--	--

## TILLYPRONIE, ABERDEENSHIRE.—APRIL 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	44.0	35.0	52.2	30.0	5.0	1.5	188	174	65	85	S	3	SW	1	2	∞° during day.
2	29.18	29.08	44.0	35.0	52.2	30.0	5.0	1.5	188	174	65	85	S	3	SW	1	2	Sunshine and ∞.
3	28.95	28.75	41.7	34.5	45.8	30.0	5.7	3.3	160	139	61	70	S	5	S	1	3	
4	64	67	34.0	34.0	41.8	31.0	1.0	1.4	176	168	89	85	SW	1	SW	1	3	
5	68	69	38.6	36.5	45.0	30.5	1.9	1.5	198	187	85	87	NW	1	NE	3	9	
6	67	69	39.0	38.8	40.1	32.0	1.8	0.8	203	220	86	94	NE	4	NE	2	9	
7	85	92	39.2	38.2	48.6	37.0	0.2	0.7	236	216	98	95	SE	2	SE	1	9	
8	96	97	33.4	37.0	41.6	32.0	0.4	1.0	182	200	94	91	SE	1	SE	1	9	
9	93	83	40.0	37.2	59.3	28.0	1.8	2.2	211	180	86	81	N	1	NW	1	3	
10	76	77	35.0	35.3	45.6	33.0	1.2	0.5	180	197	88	96	N	2	NE	1	9	
11	69	55	47.5	44.8	55.5	31.0	2.7	1.8	266	255	82	86	NW	4	SW	5	8	
12	28.35	28.75	43.8	43.4	45.0	39.8	3.3	2.4	217	230	75	81	SW	2	SW	4	8	
13	27.96	28.05	43.7	34.0	47.0	32.5	1.3	0.8	256	180	89	91	SW	4	N	3	9	
14	85	27.82	33.4	35.6	42.0	31.0	0.4	0.4	183	201	96	97	NW	4	N	2	10	
15	27.70	28.06	37.2	34.0	45.5	32.4	0.7	1.7	208	162	94	82	NW	2	W	4	8	
16	28.06	19	35.5	33.2	39.0	28.5	2.7	0.6	157	177	75	93	NW	2	N	2	9	
17	35	46	34.0	32.8	37.5	26.0	2.0	0.3	156	181	79	97	NW	2	N	2	9	
18	47	60	33.8	33.2	35.8	31.5	0.3	0.7	188	175	97	92	NW	2	NW	2	10	
19	54	14	34.0	41.0	46.0	28.0	0.8	1.7	180	221	91	86	SE	4	SW	8	9	
20	46	74	45.5	36.7	49.2	36.0	4.7	1.7	207	185	68	85	SW	6	W	6	1	
21	88	62	42.7	44.2	46.9	30.0	4.7	3.2	184	222	67	76	SW	3	SW	4	7	
22	63	79	40.5	32.2	47.5	32.0	2.7	0.2	198	179	79	98	W	6	NW	1	8	
23	28.22	28.79	34.9	34.8	41.2	29.0	1.9	1.6	165	170	81	84	NW	4	NW	2	8	
24	27.72	27.78	35.2	35.2	52.2	32.0	0.2	1.4	202	179	98	87	W	4	SW	2	9	
25	27.96	28.06	38.9	34.1	42.8	31.5	2.9	1.1	182	175	78	88	SE	2	SE	2	5	
26	28.17	43	38.0	35.5	46.6	30.5	1.5	1.6	199	178	87	86	NW	4	SE	2	9	
27	55	56	44.5	44.2	46.5	29.0	0.3	3.2	286	222	98	76	S	4	S	4	7	
28	20	30	34.7	35.0	46.8	32.0	0.9	1.2	184	180	92	88	NW	4	W	2	9	
29	52	28.77	39.7	36.2	44.6	32.0	3.2	1.2	184	189	75	89	NW	6	N	4	8	
30	28.83	29.02	42.6	44.5	48.5	31.2	0.8	1.5	256	259	93	88	N	3	N	2	10	
M.	28.485	28.508	38.9	36.8	45.9	31.3	2.0	1.4	200	193	84	87	3.3	2.6	7.4	6.0	4.40	29.2

## DUNDEE, FORFARSHIRE, c.d.—APRIL 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	30.31	30.19	42.0	37.5	52.2	36.0	2.5	0.6	216	213	82	95	SW	1	NW	1	5	Fine till 6p., then ∞.
2	30.10	29.81	40.2	36.5	50.9	32.0	2.2	0.9	205	198	83	92	SW	1	SW	1	5	Fine.
3	29.69	73	40.0	38.2	45.9	35.0	1.1	1.2	224	206	91	90	SE	1	NE	1	10	Dull nearly all day.
4	73	70	42.0	40.0	47.2	34.0	2.3	1.8	220	211	83	86	NE	3	NE	3	5	Cloud and sunshine.
5	67	74	43.5	41.5	43.9	38.2	3.0	0.8	220	245	77	94	NE	5	NE	5	10	Dull. ● showers 10a. till night.
6	29.91	29.99	44.2	40.0	51.2	38.5	0.4	1.0	281	226	97	92	SE	3	NE	1	10	Dull till 10a.
7	30.02	30.04	45.7	36.2	49.0	33.5	2.2	0.7	258	201	85	94	SW	1	NE	1	5	Dull 2p.-6p.
8	30.01	29.87	42.9	43.9	55.8	29.5	2.0	3.9	234	206	85	72	W	1	NW	1	5	Fine.
9	29.84	85	42.5	38.5	45.2	37.7	1.9	1.0	232	213	85	92	NW	1	SE	1	10	Cloud and sunshine to 5p.
10	75	64	48.5	47.2	54.8	36.2	3.3	3.4	203	247	77	77	SW	1	SW	3	5	Fine till 3p., then dull.
11	46	30	45.8	45.5	48.6	42.4	2.6	2.8	250	243	81	80	SW	8	SW	3	10	Dull and cloudy. / till 4p.
12	29.06	29.04	45.9	38.2	52.2	37.5	1.3	0.7	280	216	92	95	SE	1	SE	1	10	Dull. ● from 6.30p.
13	28.81	28.74	40.0	41.5	46.2	36.0	0.7	0.7	232	248	94	94	NE	5	NE	1	10	● early, and from 11.30a.
14	28.83	29.12	41.6	36.2	49.2	35.5	1.9	1.7	224	182	86	86	SW	3	NW	1	10	Cloud and sunshine till 3p.
15	29.12	28	37.9	36.5	42.8	30.4	2.7	0.8	178	200	78	93	NE	1	SE	1	10	Fine noon-2p.
16	38	46	36.0	37.5	38.8	33.0	0.7	0.7	199	211	94	94	NE	3	NE	5	10	● showers all day.
17	56	68	39.9	40.2	42.5	36.8	0.4	0.4	238	241	97	96	S	1	SW	1	10	● till noon.
18	53	31	38.2	45.5	52.5	39.4	0.8	1.7	214	266	94	88	SE	3	SW	8	10	● showers all day. / from noon.
19	53	84	50.0	43.5	54.8	42.2	1.5	3.0	322	220	90	77	W	8	SW	5	5	/ till 3p.
20	99	72	42.2	47.0	49.0	35.8	2.2	1.8	223	280	84	87	SW	1	SW	3	10	● 12.30p. till 3p.
21	72	84	53.0	40.0	53.0	40.0	3.8	2.7	304	194	75	78	NW	5	NW	1	5	Fine till 7p., then dull.
22	90	29.85	42.0	39.5	48.2	34.5	3.0	2.0	207	204	78	84	N	1	SW	1	5	Fine till 6.30p., then dull.
23	29.35	28.97	40.5	37.2	52.0	36.3	1.3	1.4	224	194	90	87	SW	5	SW	5	10	Dull till 1p., then fine.
24	28.76	28.80	42.0	37.8	50.2	35.0	2.2	1.0	221	208	84	92	SW	5	N	1	10	Dull. Δ 6p.-8p.
25	29.04	29.13	43.2	39.0	50.8	34.7	1.4	1.5	249	209	89	88	NW	1	NW	1	5	Fine till 4p., then dull.
26	26	54	45.0	39.4	50.8	34.5	2.5	2.1	243	201	82	83	NW	3	NW	3	10	Fine till 6p., then dull.
27	64	52	46.4	46.2	51.2	32.5	3.4	1.7	240	274	77	89	S	1	SW	3	5	Fine most of day.
28	27	40	41.9	39.2	51.8	38.7	2.0	2.0	226	201	86	84	SW	3	NW	5	10	Dull till 9a., then fine.
29	60	29.85	46.0	40.5	50.8	35.4	2.5	2.5	255	202	83	80	NW	3	NW	3	5	Fine.
30	29.93	30.08	43.2	50.7	59.0	38.6	2.2	2.2	232	315	83	86	SW	3	NW	1	10	Dull till noon, then fine.
M.	29.559	29.568	43.1	40.7	49.7	35.7	2.0	1.6	237	223	85	88	2.9	2.4	8.0	7.3	2.08	

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—APRIL 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.					Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
								Dep. of Wet.		Vapour Pressure.		Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
								9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.									9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	ins.	ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—APRIL 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.
1	ins.	ins.	40.2	33.3	47.2	28.3	2.7	0.5	in.	in.	%	%	†	†	2	1	ins.	hrs.	°	Fine.		
2	30.16	30.06	39.8	33.3	47.2	28.3	2.7	0.5	196	180	79	94	S	2	1	1	10.4	24	21	Fine.		
3	29.94	29.70	39.8	36.1	45.5	26.0	2.8	0.2	191	209	78	98	S	1	1	1	10.3	21	21	Fine.		
4	47	49	37.2	36.8	42.0	26.7	1.0	0.7	202	204	91	94	Calm	0	1	9	2.5	26	26	Cloudy.		
5	45	40	41.8	40.8	46.2	35.3	1.6	1.6	231	221	88	88	NE	4	6	9	2.9	24	28	Dull. ● n.		
6	34	46	40.6	41.0	42.8	38.0	0.0	0.0	253	257	100	100	NE	3	2	10●	2.7	—	38	Cloudy, with ●.		
7	64	75	39.7	45.6	49.0	34.0	0.0	2.4	244	252	100	82	NW	2	2	9≡	10	—	37	● past n. Fine.		
8	78	85	45.3	42.4	46.0	31.0	1.2	0.8	274	254	91	94	NE	3	2	5	10	—	4.5	31	Fine.	
9	80	72	46.4	42.0	48.0	34.0	2.0	2.0	269	225	86	85	ENE	2	10	1	10	—	9.1	30	Fine and clear.	
10	70	72	44.3	44.0	49.0	42.0	1.1	1.0	266	265	92	92	NE	2	10	4	—	—	32	Dull.		
11	70	61	46.0	42.0	49.0	30.0	1.0	2.0	287	225	93	85	NNW	6	10	3	0.5	1.1	33	Dull.		
12	29.36	29.23	47.0	45.5	53.8	33.0	4.0	3.2	233	235	73	77	W	5	2	4	9	6.8	28	Fine.		
13	28.97	28.85	49.8	46.2	54.1	41.5	2.8	0.0	288	313	81	100	S	4	1	9	10●	2.2	0.8	39	Cloudy. ● 5.45p.	
14	65	57	52.2	52.0	57.4	39.0	0.4	1.8	380	340	98	87	SSE	2	3	9	10	1.1	1.4	43	Cloudy.	
15	72	28.91	45.9	38.3	53.5	37.7	2.9	0.6	245	219	80	95	W	7	1	3	2	0.6	11.5	40	Fine.	
16	28.89	29.08	38.8	37.9	40.0	35.8	0.1	0.7	234	213	100	94	NE	2	2	10●	10	4.1	0.5	33	Cloudy.	
17	29.11	24	42.8	41.3	46.0	36.9	0.0	0.0	275	260	100	100	E	4	2	10≡	10≡	3.3	—	37	Dull.	
18	37	53	42.1	36.4	48.1	35.9	0.5	0.6	257	302	96	95	W	3	1	10	3	1.0	4.0	30	Cloudy.	
19	44	31	41.5	48.4	57.6	30.8	1.7	1.4	227	305	87	90	SSE	5	1	10	4●	0.5	1.1	27	Cloudy. ↗ p.	
20	45	68	49.8	42.0	54.0	41.0	1.7	2.1	315	223	88	84	NW	7	10	8	4	4.3	43	Fine and breezy.		
21	84	62	45.1	49.0	50.2	33.0	4.0	0.8	215	327	72	94	S	1	6	8	7	1.1	2.8	28	Fine a. T. ● p.	
22	58	67	51.3	41.2	56.3	41.0	2.4	1.0	318	327	83	93	NW	6	7	7	0.2	9.0	43	Fine.		
23	70	29.71	40.0	39.2	46.4	36.5	3.7	2.0	177	201	71	84	NNW	3	9	9	9	—	5.7	36	● showers early. Fine.	
24	29.28	28.94	44.4	39.5	50.2	33.0	2.3	0.4	242	234	83	97	NWbyW	7	2	9	0.8	1.5	29	Cloudy.		
25	28.67	63	44.3	39.8	48.4	35.8	3.5	0.7	218	230	74	95	SW	5	6	8	0.4	7.9	31	Fine a., then ● showers.		
26	28.86	28.99	44.0	36.1	48.5	35.0	2.8	0.9	228	196	78	92	NWbyW	4	4	4	0.5	6.2	32	Fine a., then ● showers.		
27	29.08	29.38	43.0	39.3	47.8	31.0	1.8	4.2	238	164	86	69	NWbyW	6	4	4	0.6	7.8	28	Fine a. ▲		
28	52	40	47.4	45.4	52.0	33.0	5.5	3.5	209	229	64	75	SWbyW	5	2	4	0.2	6.0	29	Fine a., then dull.		
29	14	26	41.8	37.7	50.2	35.8	1.9	2.8	227	174	86	77	W	6	3	10●	1	0.1	1.8	39	Cloudy. *	
30	43	68	46.2	42.8	52.8	33.3	6.2	3.4	188	206	60	75	NNW	3	6	0	0.3	7.3	31	Fine.		
31	29.75	29.94	42.2	44.9	55.0	35.0	1.1	1.0	245	275	91	93	NNW	4	1	9	8	—	9.0	—	32	Cloudy, with ●.
M.	29.393	29.413	44.0	41.6	49.6	34.6	2.1	1.4	246	236	85	89	3.8	2.4	7.5	6.6	2.11	127	32.9			

## DOUGLAS, ISLE OF MAN, a.—APRIL 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.

Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

1	30.22	30.08	41.0	38.5	42.9	35.0	3.7	2.6	185	183	72	79	SE	†	2	2	0.1	—	9.5	29	— early a. Very fine.		
2	29.97	29.71	42.0	41.0	47.2	30.9	2.7	1.5	212	225	80	88	SE	1	WSW	1	7	10	129	9.5	30	— early a. Very fine.	
3	53	52	40.6	39.7	45.3	35.2	2.6	1.7	201	210	80	86	NNW	2	NE	2	8	0	010	8.5	32	— early a. — 3.30p. Δ p.	
4	55	49	42.5	41.2	47.6	36.3	3.5	3.8	202	186	74	72	NNE	3-4	NNE	5-6	7	4	—	7.0	34	Δ—4p. Δ 5.40p.	
5	46	49	43.0	42.0	45.1	38.7	3.5	1.6	206	233	75	88	NNW	4-5	NNE	5-6	7	10	203	1.9	37	Δ early. • (sleet) 11a.-8p.	
6	64	72	45.0	44.6	53.1	40.4	2.0	2.4	253	241	85	82	E	2	NE	3	9	4	056	6.2	38	* a. Fine. • 3.30p. T	
7	80	83	45.1	41.3	50.5	38.7	3.2	2.3	230	213	76	82	NE	4-5	NE	3	4	1	—	11.6	36	Fine, but squally.	
8	86	82	41.3	40.2	48.1	39.0	1.8	2.5	223	200	86	81	ENE	2	WNW	1	9	0.1	—	4.6	36	Dull till 2p. T	
9	77	75	44.8	44.4	51.5	38.0	1.8	0.2	255	288	86	99	WNW	3-4	NW	3-4	9	100*	106	1.4	31	Δ a. • showers from 10a.	
10	75	64	46.8	43.3	52.5	41.1	1.6	0.4	282	272	88	97	W	3-4	SW	1	8	7	Δ	9.1	39	Very fine.	
11	29.47	29.27	45.5	44.0	49.1	40.5	2.5	1.0	248	265	82	92	SW	4-5	SSW	4-5	7	2	040	7.5	35	Δ a. Squally.	
12	28.98	28.76	45.2	45.2	46.0	43.5	0.0	0.0	301	301	100	100	SSW	3	SSW	1	100	100	4.75	—	40	≡.	
13	67	56	41.6	40.2	46.3	40.0	0.6	0.6	250	237	95	95	NW	2	WNW	4-5	90	90	4.46	—	42	Frequent • showers.	
14	89	28.92	44.3	41.0	50.0	37.9	4.3	3.2	203	194	69	76	WSW	5-6	NNW	1	4	2.4	2.05	11.0	34	Very fine.	
15	28.91	29.02	42.4	41.0	43.7	39.9	0.0	1.0	249	235	100	92	ENE	4-5	NE	3	100	7	510	0.7	33	Squally, with • till 2p.	
16	29.13	30	40.3	39.8	42.3	38.0	0.9	1.8	231	209	93	86	NNW	2	WNW	4-5	100	8	0.26	—	36	Dull.	
17	52	62	42.8	41.8	47.8	38.0	3.8	2.8	199	209	72	79	NW	5-6	SSW	1	6	4	0.95	9.8	37	Fine. Squally till noon.	
18	45	51	46.8	50.1	54.9	41.0	0.0	2.2	321	306	100	84	SW	4-5	WSW	6-7	100	9	—	1.5	38	≡ till 2p. Stormy after 5p.	
19	64	81	49.9	44.4	51.2	44.0	1.8	2.4	313	240	88	82	W	5-6	NW	2	8	8	010	—	47	Dull. Squally till 2p.	
20	89	77	44.2	52.2	54.8	42.0	1.2	0.2	263	385	91	99	SSE	2	W	4-5	100	100	1.75	—	39	≡ till 3p.	
21	78	77	50.3	45.5	54.5	45.3	3.3	0.5	283	293	78	96	WNW	5-6	Calm	0	4	8	—	8.9	44	Fine. Squally till noon.	
22	75	82	41.7	37.4	47.2	37.0	0.7	1.6	249	192	94	86	NNE	1	NW	1	9	3	Δ	0.56	6.5	37	•.
23	29.45	29.06	41.9	40.4	50.2	37.0	0.6	0.9	253	233	95	93	SW	4-5	W	5-6	100	100	0.60	2.4	33	Squally, with •.	
24	28.78	28.83	42.4	41.2	47.0	37.7	1.9	1.9	231	219	86	85	WSW	5-6	W	5-6	9	7	142	7.3	36	Squally, with • showers. Δ	
25	29.03	29.13	42.9	38.0	47.2	37.2	2.7	0.8	220	212	80	83	NNW	5-6	W	2	4	4	0.35	9.9	36	Squally till 2p.	
26	30	50	37.7	38.0	47.4	36.4	0.5	1.6	216	197	86	86	NNW	4-5	WNW	1	100	2	0.25	8.7	34	Squally till 4p. Δ. *	
27	60	51	46.4	45.5	49.3	37.6	2.5	0.5	259	293	83	96	SW	3-4	SW	5-6	4	9	200	7.1	33	Squally. • 5p.-7p.	
28	33	46	39.5	40.7	48.0	37.6	0.9	2.7	224	200	93	79	WNW	4-5	WNW	4-5	9	4	120	5.1	38	Δ a. • showers. •. Δ p.	
29	61	29.85	42.5	42.4	47.5	37.8	2.2	2.6	226	217	83	81	WNW	5-6	WNW	3-4	8	4	010	9.1	36	Δ a. Squally. *	
30	29.91	30.04	46.3	45.6	50.7	40.5	0.5	0.6	302	292	97	96	WNW	3-4	WNW	6-7	9	3	—	0.9	38	Squally. • showers p.	
M.	29.487	29.486	43.5	42.4	48.6	38.9	1.9	1.6	243	239	86	88	3.7	3.1	7.7	5.6	3.144	166	36.3				

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—APRIL 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.

Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.023 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.		
------	--	--	------------------	--	--

## SHREWSBURY, SHROPSHIRE.—APRIL 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.	°		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	30° 31'	ins.	36° 0'	36° 0'	47° 0'	24° 4'	4° 0'	3° 0'	in.	in.	%	%	NE	2	E	1	7	0	ins.	20	Fine bright day.	
2	30° 07'	29° 53'	36° 0'	36° 0'	40° 0'	31° 7'	1° 1'	2° 1'	191	205	90	83	NE	1	Calm	0	10	0	—	26	Overcast till 10 a., then fine.	
3	29° 52'	29° 54'	36° 0'	36° 0'	46° 1'	28° 9'	0° 5'	1° 8'	203	208	96	85	NW	1	NW	2	100	0	—	24	Drizzling till noon.	
4	53	45	39° 7'	42° 1'	46° 0'	31° 3'	2° 4'	3° 1'	198	206	80	77	NW	3	NNW	3	1	10	13	26	Overcast from 10 a.	
5	45	54	40° 3'	40° 0'	43° 9'	37° 6'	1° 1'	0° 1'	227	245	92	99	N	3	SSE	1	10	10	03	38	most of day.	
6	67	71	38° 0'	45° 3'	51° 4'	35° 0'	0° 1'	2° 9'	226	239	99	79	N	1	SE	3	10	0	06	31	11 a.—1 p. Overcast.	
7	81	85	41° 5'	43° 0'	50° 0'	34° 9'	2° 7'	2° 7'	207	221	80	80	NE	1	N	1	4	10	0	30	Dull.	
8	90	86	40° 0'	42° 0'	46° 0'	38° 8'	2° 1'	2° 0'	205	225	83	85	ENE	1	ENE	1	10	10	0	36	Dull.	
9	86	84	45° 0'	47° 9'	52° 9'	33° 6'	4° 3'	3° 9'	209	244	70	74	WNW	2	NW	1	5	100	02	28	Dull.	
10	85	77	47° 8'	44° 2'	58° 6'	43° 9'	2° 9'	5° 0'	265	190	80	65	WNW	2	NW	1	9	0	—	41	Dull a. Bright afternoon.	
11	64	43	49° 0'	48° 0'	59° 8'	32° 5'	4° 6'	4° 8'	243	228	69	68	SW	2	SSW	2	6	2	—	27	Fine bright day.	
12	29° 23'	29° 20'	49° 1'	50° 5'	57° 4'	42° 6'	3° 1'	1° 5'	275	328	78	89	SE	2	SE	3	90	10	03	37	9 a.—11 a. Dull.	
13	28° 82	28° 70	50° 9'	51° 0'	56° 0'	49° 2'	1° 4'	1° 0'	338	348	91	93	SSE	3	SSE	3	100	100	07	47	Overcast.	
14	29° 02	29° 00	47° 9'	43° 1'	57° 6'	37° 2'	5° 2'	2° 1'	220	233	66	83	W	2	N	1	2	2	18	33	Fine bright day. n.	
15	28° 99	28° 99	48° 8'	43° 6'	58° 0'	37° 0'	3° 8'	0° 6'	257	270	74	95	SSW	3	Calm	0	7	100	07	33	early. Fine.	
16	29° 18	29° 18	48° 0'	42° 2'	55° 0'	42° 0'	3° 1'	2° 7'	261	214	78	81	S	2	N	3	8	10	11	40	Cloudy, with showers.	
17	59	72	44° 0'	41° 0'	54° 2'	39° 0'	4° 4'	3° 7'	198	185	69	72	NW	3-4	Calm	0	7	8	—	37	Fine.	
18	66	71	47° 4'	53° 0'	63° 2'	37° 1'	1° 6'	4° 7'	288	284	89	71	SSW	2-3	NW	1	9	7	—	33	Fine.	
19	76	89	58° 5'	49° 0'	59° 2'	48° 9'	4° 3'	1° 0'	365	322	74	93	NW	3	N	1	10	10	04	48	Dull, with e. Fine n.	
20	99	91	51° 5'	55° 0'	60° 5'	48° 9'	1° 5'	1° 9'	341	378	89	88	S	1	NW	3	10	8	—	47	Dull.	
21	88	88	55° 0'	49° 9'	62° 4'	49° 6'	2° 4'	3° 5'	365	275	85	77	WNW	3-4	WNW	2	9	1	08	50	Dull a., fine afternoon.	
22	79	89	50° 0'	46° 6'	54° 9'	39° 9'	3° 2'	1° 6'	282	219	79	87	NW	2	SE	1	9	10	—	44	Dull. Very cold wind.	
23	69	29	46° 0'	48° 0'	52° 4'	39° 9'	4° 0'	2° 8'	225	267	73	80	SW	3	NW	4	9	80	01	40	Dull.	
24	05	03	48° 1'	38° 0'	51° 3'	37° 5'	6° 4'	1° 0'	200	208	60	91	SW	3-4	NW	3	5	2	18	39	Cloudy, with showers.	
25	15	24	46° 2'	38° 0'	52° 0'	37° 3'	5° 2'	1° 1'	205	206	66	90	WNW	3	NW	1	7	3	03	35	▲ shower 11 a. ● 6 p.	
26	39	67	44° 0'	40° 0'	51° 0'	35° 3'	5° 0'	2° 7'	188	194	65	78	WNW	3-4	NW	1	6	0	02	34	▲. Sunny intervals.	
27	75	71	49° 3'	43° 3'	55° 0'	33° 7'	5° 4'	2° 3'	230	231	66	82	SSW	2	SW	1	5	0	03	31	Fine.	
28	50	57	51° 2'	52° 0'	52° 8'	37° 0'	3° 2'	0° 8'	297	204	79	93	SW	3-4	NW	1	9	1	41	36	Cloudy, with showers.	
29	70° 71	29° 91	45° 5'	41° 5'	50° 9'	36° 5'	5° 5'	3° 5'	193	63	74	NW	3-4	NW	2-3	8	0	01	34	Fine, with cold wind.		
30	30° 11	30° 11	43° 0'	47° 1'	50° 0'	36° 9'	3° 0'	1° 9'	215	279	78	86	W	2	N	1	10	7	01	32	Drizzling 10 a.—2 p.	
M.	29° 59 8	29° 58 8	45° 8	44° 0	53° 5	37° 9	3° 3	2° 4	242	240	78	82	2° 4			1° 6	7° 7	5° 6	1° 52 7	—	35° 2	

## CAMBRIDGE, a.—APRIL 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.

Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +.019 in.

1	30°42'	30°32'	40°0'	35°7'	48°3'	34°2'	3°0'	1°5'	*189	*182	76	86	NE	3	NE	2	9●	0	—	8°2	22	△ a. Fine, but cold.
2	30°19'	30°00'	45°2'	33°0'	52°0'	31°0'	3°0'	1°5'	*235	*167	78	89	E	3	Cal	0	4●●	0	—	7°0	20	Fine.
3	29°79'	29°68'	41°0'	38°5'	51°0'	21°0'	4°0'	1°0'	*180	*213	70	92	Cal	0	N	2	0●●	0	—	10°0	10	Beautiful day.
4	29°62'	29°54'	42°0'	41°0'	46°0'	36°5'	2°2'	0°0'	*221	*257	84	100	N	2	NW	2	9●●	10●	*43	—	24	Overcast. ● 2.15p.—9p.
5	29°58'	29°57'	42°0'	41°0'	46°0'	36°5'	2°2'	0°0'	*267	*220	100	99	SW	2	SW	2	10●	0	*06	—	34	● till 2p.
6	29°58'	29°58'	41°0'	42°0'	50°0'	31°5'	1°2'	0°1'	*231	*235	90	89	NW	1	N	3	10	0	*01	1°5	19	Misty most of day.
7	29°95'	29°95'	46°1'	42°0'	50°0'	40°2'	3°6'	0°6'	*235	*254	76	95	NE	3-4	N	2	9●●	0	—	2°0	30	Overcast from 9a. Clear n.
8	30°05'	29°93'	42°0'	38°2'	49°0'	36°5'	2°8'	1°0'	*211	*210	79	92	NW	2	N	1	10●	0	—	4°5	27	Cloudy.
9	29°99'	29°98'	45°0'	46°0'	55°0'	35°0'	3°5'	1°6'	*224	*274	75	89	W	2	NW	3-4	0	10●●	*01	6°0	22	Sunny till 1.30p.
10	30°06'	30°01'	41°7'	42°0'	50°0'	37°5'	1°7'	1°0'	*228	*245	87	92	S	1	Cal	0	10	0	—	0°8	32	Overcast.
11	29°90'	29°70'	47°2'	44°0'	58°3'	38°0'	2°2'	2°0'	*273	*244	85	84	S	2	SW	2	9	0	—	7°0	25	Fine.
12	29°47'	29°51'	51°3'	51°2'	60°5'	40°0'	4°3'	1°3'	*273	*343	72	91	S	3	S	1	10	10	*03	1°0	28	Overcast most of day.
13	29°14'	29°03'	54°9'	53°0'	61°5'	49°0'	3°7'	2°5'	*331	*335	76	83	S	3	S	6	9●●	9	*01	3°5	38	Sunny a. and p. — 5p. <sup>TS</sup>
14	29°21'	29°18'	51°8'	47°2'	54°0'	44°9'	6°3'	1°7'	*239	*285	63	89	SW	2	SE	1	5	10	*05	3°5	38	< n. Sunny till 11.30a. [5.30p]
15	29°23'	29°29'	51°1'	45°0'	58°0'	42°4'	4°1'	2°0'	*275	*253	73	85	S	4	SE	1	4	0	*08	6°8	30	Sunny a., then overcast.
16	29°38'	29°47'	54°5'	44°0'	57°3'	40°5'	5°5'	0°0'	*284	*288	67	100	SE	3	Cal	0	7	10●●	*70	5°0	25	Fine. <sup>K</sup> 7.30p. ●
17	29°68'	29°94'	45°0'	36°0'	53°0'	36°0'	2°5'	1°0'	*243	*193	82	91	W	5	Cal	0	10	1	—	4°0	35	Overcast a., then sunny.
18	29°99'	29°93'	49°0'	54°7'	55°9'	31°0'	4°0'	1°7'	*264	*379	74	89	S	4	SW	6	9	9	—	0°3	18	Overcast.
19	29°97'	29°02'	56°8'	50°2'	60°0'	49°0'	2°5'	0°2'	*378	*385	84	99	SW	5	W	4	10	10●●	*07	0°6	39	Overcast. ● after 3p.
20	30°21'	30°08'	51°5'	55°5'	60°0'	44°5'	5°0'	1°5'	*261	*397	69	90	WNW	1	W	2	8	9	—	4°0	32	Sunny a., then overcast.
21	30°02'	30°05'	56°7'	48°0'	64°0'	48°0'	2°7'	3°0'	*381	*263	83	79	W	4	Cal	0	10	0	*05	6°0	44	Overcast till 11a.
22	29°94'	29°07'	49°0'	38°4'	55°3'	38°0'	1°0'	2°4'	*322	*186	93	81	SW	1	N	1	9●●	0	*06	1°5	30	Cloudy. ● 11.30a.
23	29°94'	29°54'	40°0'	47°9'	51°0'	28°0'	3°5'	2°9'	*181	*264	73	80	SW	2	SW	6	10	10	*01	0°2	18	Overcast and squally.
24	29°25'	29°19'	49°0'	44°0'	55°0'	42°0'	4°0'	2°2'	*255	*240	73	83	SW	6	SW	5	10	4	*06	5°8	34	Fine. <sup>p.</sup> Cold n.
25	29°32'	29°42'	48°0'	39°0'	56°0'	38°0'	4°8'	0°5'	*228	*228	68	96	WSW	5	Cal	0	8	2	*10	9°0	26	Fine. <sup>K</sup> ● after 7p.
26	29°53'	29°82'	45°0'	40°7'	51°2'	36°0'	3°5'	3°0'	*229	*196	75	78	W	4	Cal	0	6	0	*01	10°0	27	Fine.
27	29°09'	29°06'	49°5'	45°0'	57°0'	30°2'	4°0'	3°0'	*242	*233	69	78	S	3	S	2	0	2	—	10°6	20	Sunny 5.30a.—6.15p.
28	29°81'	29°72'	55°0'	42°0'	58°8'	39°0'	6°0'	1°0'	*280	*245	65	92	S	5-6	W	5	7	10●	*28	5°5	30	Fine a. ● afternoon.
29	29°84'	29°04'	46°0'	42°2'	54°0'	34°0'	4°5'	1°2'	*216	*243	70	90	W	5	W	2	5	9	*06	10°2	22	Fine. <sup>T</sup> △ 11.30a. ● after 5p
30	30°18'	30°22'	46°0'	47°9'	50°5'	32°0'	4°0'	0°4'	*225	*323	73	98	W	3	Cal	0	10	10●●	*05	0°8	21	Overcast.
M.	29°78'	29°77'	47°5'	43°8'	54°5'	37°4'	3°5'	1°4'	*253	*259	77	89	3°1	2°1	7°6	4°5	2°13	135	27°3			

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—APRIL 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).
------	--	--	------------------	--	--	--	-----------	--	--	---

## SOUTHAMPTON, HAMPSHIRE, a.—APRIL 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.	Vapour Pressure.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	45.0	39.2	49.1	31.9	6.5	3.4	in.	176	58	75	NE	5	NE	4	Fine.
2	30.33	30.24	45.0	39.2	49.1	31.9	6.5	3.4	in.	176	58	75	NE	5	NE	4	Fine.
3	30.11	29.95	44.5	43.0	54.1	34.3	4.3	3.2	205	211	69	77	NE	3	NE	3	Fine.
4	29.76	29.61	42.5	42.5	53.4	30.0	2.9	3.7	213	199	78	74	NE	3	NE	3	Fine.
5	29.56	29.41	43.5	42.0	50.1	35.6	3.9	1.7	203	231	72	87	NE	5	SW	2	6 p.m. - 9 p.m. Fine, but cloudy.
6	29.76	29.61	43.0	43.0	50.7	39.0	2.6	1.6	223	242	80	87	SW	2	SE	2	all day from 9.15 a. till 10 a. Dull.
7	29.88	29.74	43.0	43.0	46.3	41.2	1.0	1.8	255	238	92	86	NE	2	NE	3	all day. Fine.
8	29.99	29.97	45.1	43.1	51.6	39.1	3.8	3.4	219	209	73	75	NE	3	NE	3	all day. Fine.
9	30.03	30.01	45.8	46.7	57.1	33.7	4.0	3.6	223	238	73	76	NE	3	NW	2	all day. Fine.
10	30.02	29.99	49.9	44.5	53.1	43.2	4.3	0.9	259	273	72	93	NW	2	SE	3	all day. Fine.
11	29.87	29.67	50.5	46.9	58.1	42.4	3.4	2.8	283	256	78	81	SE	2	SE	4	all day. Fine.
12	29.43	29.23	50.9	50.6	55.3	45.9	2.9	1.3	300	335	81	91	SE	3	SW	4	all day. Fine.
13	29.09	28.97	52.1	51.9	60.1	49.5	2.0	2.3	337	326	86	85	SW	5	SW	6	all day. Fine.
14	29.18	29.13	47.2	45.0	52.2	43.8	5.1	1.0	214	275	67	92	SE	3	SE	3	all day. Fine.
15	29.20	29.11	51.0	47.2	55.1	44.9	4.6	2.9	263	258	70	80	SE	4	SE	4	all day. Fine.
16	29.32	29.24	49.2	43.0	54.9	43.6	2.9	3.6	281	212	80	74	SE	3	NW	5	all day. Fine.
17	29.78	29.94	46.0	45.0	50.0	38.0	5.7	1.7	195	260	63	87	NW	4	SW	3	all day. Fine.
18	30.00	30.03	48.3	52.9	53.1	42.9	0.4	0.7	329	381	97	95	SW	4	SW	3	all day. Fine.
19	29.08	29.11	55.0	53.9	60.6	51.8	3.5	1.7	337	307	78	88	NW	4	NW	3	all day. Fine.
20	29.20	29.17	54.5	55.5	62.6	52.1	2.2	2.0	362	384	85	87	NW	3	NW	4	all day. Fine.
21	29.10	29.07	59.1	52.1	62.1	51.8	6.2	1.8	327	342	66	87	NW	3	NW	3	all day. Fine.
22	29.92	29.93	52.5	44.5	62.4	44.3	1.8	2.7	346	235	88	80	NW	3	NE	4	all day. Fine.
23	29.96	29.61	44.0	47.4	52.1	40.1	3.8	1.9	209	282	72	87	SW	4	SW	5	all day. Fine.
24	29.31	29.30	50.0	45.6	54.6	43.8	5.1	3.3	243	234	68	77	SW	5	SW	5	all day. Fine.
25	29.39	29.46	49.1	43.2	52.7	40.0	6.0	3.5	218	208	63	75	NW	5	SW	3	all day. Fine.
26	29.59	29.68	46.5	43.0	53.1	36.3	5.2	3.0	207	215	66	78	NW	4	NW	3	all day. Fine.
27	30.01	30.06	50.0	46.5	51.1	34.0	1.9	2.4	312	261	87	83	SW	4	SW	3	all day. Fine.
28	29.84	29.79	52.5	42.1	55.1	41.9	4.2	1.0	289	247	73	93	SW	5	NW	4	all day. Fine.
29	29.90	29.95	47.0	44.2	53.6	35.5	5.7	3.9	202	209	63	72	NW	5	NW	3	all day. Fine.
30	29.21	29.23	50.0	49.2	53.9	36.4	1.6	2.2	319	296	89	85	NW	4	NW	3	all day. Fine.
M.	29.780	29.770	48.3	46.1	54.5	40.7	3.6	2.3	259	262	76	83					

## PLYMOUTH, DEVONSHIRE, a.—APRIL 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +015 in.

1	30.32	30.19	40.6	41.0	48.3	32.0	3.0	4.6	195	170	77	66	ENE	16	N	8	0	0	—	11.4	27	Fine and sunny.
2	30.09	29.92	42.6	41.0	52.8	32.8	3.8	4.8	199	167	74	65	N	5	N	10	0	0	0.2	10.7	23	Fine and sunny.
3	29.72	29.60	41.4	40.2	45.3	35.0	1.6	2.1	228	207	88	84	N	5	N	10	100	100	0.1	0.3	23	Dull and cold, with ● showers.
4	29.57	29.46	42.6	43.2	48.4	37.4	3.2	2.2	208	232	77	83	N	18	N	7	5	10	0.5	3.1	21	Fine, but cold.
5	29.66	29.63	43.3	42.6	46.6	38.6	2.4	1.0	229	251	81	92	N	5	—	2	100	100	0.1	0.1	34	Dull.
6	29.79	29.78	43.8	41.4	53.5	40.4	0.6	1.0	271	240	96	92	—	2	S	7	10	0	0.4	7.8	37	Fine.
7	29.92	29.95	45.6	45.4	51.6	39.9	3.5	2.4	256	243	82	90	ENE	10	E	4	6	0	0.7	2.5	25	● showers a.
8	30.04	30.07	44.4	45.6	54.9	38.7	3.8	4.6	213	210	73	69	N	5	—	3	10	0	3.7	3.0	20	Occasional sunshine.
9	30.01	29.93	49.2	45.0	57.9	37.1	3.2	1.8	274	257	78	86	N	5	—	3	0	0	10.1	28	Fine and warm.	
10	29.82	29.82	50.3	49.3	50.3	36.0	3.3	2.7	283	286	78	81	ESE	14	S	9	10	0	7.3	38	Fine and warm.	
11	29.32	29.12	49.2	49.6	50.6	47.0	1.2	0.0	319	356	92	100	S	16	SSW	18	5	100	0.3	—	43	Frequent ● showers.
12	28.91	28.98	50.0	43.3	51.5	43.0	0.2	1.8	356	242	99	86	S	35	NW	13	10	3	0.1	—	40	Dull, with ●.
13	29.08	29.01	45.0	46.0	50.6	35.8	2.4	2.2	245	261	82	85	ESE	12	S	13	8	7	0.6	6.9	39	Sunny a. Dull afternoon.
14	29.04	29.08	46.0	45.6	48.3	44.9	1.4	1.4	278	274	90	90	S	20	—	2	100	100	0.1	0.1	41	Dull. Sunny afternoon.
15	29.30	29.36	44.9	43.3	47.6	42.1	2.1	3.7	251	205	85	73	NNW	13	N	13	10	0	1.8	3.8	41	Dull a. Fine afternoon.
16	29.81	29.86	47.6	43.4	51.6	39.5	5.9	1.7	204	245	63	87	NNW	6	SSW	17	5	100	0.2	6.3	38	Fine a. Dull afternoon.
17	29.91	30.05	49.8	50.6	52.0	42.8	0.0	0.2	358	363	100	99	S	5	WSW	6	100	100	0.1	—	41	Dull, with ●.
18	30.10	30.13	51.6	53.1	57.4	50.1	1.0	1.2	356	370	93	91	SW	12	W	11	10	100	0.7	4.9	49	Dull, with ●.
19	30.19	30.19	53.6	53.3	60.1	51.3	1.7	1.6	363	362	88	89	NNW	7	NW	11	10	0	4.0	3.3	50	Dull and gloomy.
20	30.14	30.09	58.0	50.9	59.9	46.6	4.1	1.0	365	348	76	93	NNW	10	NNW	7	3	0	7.5	4.2	40	Sunny a. Dull afternoon.
21	29.98	29.99	53.0	46.8	58.6	45.8	1.7	2.8	355	255	88	80	NNW	8	NNW	13	10	0	0.8	4.9	42	Fine, sunny and warm.
22	29.94	29.94	48.3	47.6	53.3	39.8	5.0	0.6	228	315	67	96	N	6	NNW	18	5	10	8.1	4.2	33	Sunny a. Dull afternoon.
23	29.44	29.46	47.6	45.0	52.2	44.9	6.7	3.4	222	225	58	76	NNW	16	N	16	7	3	0.6	8.1	42	Intermittent sunshine.
24	29.62	29.62	47.6	42.9	51.7	40.6	4.2	4.6	236	203	71	74	NW	12	NW	11	7	2	0.7	8.4	35	● showers.
25	29.79	29.79	52.3	46.8	53.3	46.6	2.0	2.2	339	268	86	84	SW	18	NW	9	6	10	1.2	3.5	33	Fine, but with cold wind.
26	29.95	29.95	46.9	46.3	51.1	40.1	6.3	4.1	192	226	60	72	N	16	N	4	7	3	0.9	7.3	26	Fine a. Dull p. ● n.
27	30.20	30.24	50.1	50.5	54.7	37.6	5.0	2.1	246	314	68	86	N	10	N	4	6	9	0.8	6.8	43	Dull, with ● showers.
28	29.95	29.95	46.9	46.3	51.1	40.1	6.3	4.1	192	226	60	72	N	16	N	4	7	3	—	11.4	30	Fine and sunny.
29	30.20	30.24	50.1	50.5	54.7	37.6	5.0	2.1	246	314	68	86	N	10	N	4	6	9	—	6.8	29	Unsettled.
M.	29.750	29.747	47.7	45.8	52.3	40.5	3.1	2.3	264	262	79	84		11		9	6.2	5.8	1.98	161	351	

\* Miles per hour.

† Beaufort Scale (0—12).

## ARMAGH, a.—APRIL 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		Percentage.											
9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°		
1	ins.	ins.	41.9	37.5	51.0	34.2	4.2	3.8	187	156	71	70	SSW	7	S	9	10	3	ins.	hrs.	°	Fine, but cloudy.
2	30.25	30.11	41.9	37.5	51.0	34.2	4.2	3.8	187	156	71	70	SSW	7	S	9	10	3	—	1.3	31	Fine, but cloudy.
3	30.00	29.85	44.3	40.0	46.2	35.0	4.5	1.2	200	222	68	90	S	7	W	4	9	10	0.40	1.4	27	° occasionally.
4	29.65	29.66	40.0	36.9	46.8	31.8	2.0	0.8	207	203	84	93	NW	5	N	4	7	100	0.45	5.1	28	° showers.
5	29.69	29.64	43.1	39.0	49.3	35.1	3.0	1.0	216	218	78	92	N	7	—	3	8	10	0.50	5.6	31	° showers.
6	29.64	29.64	46.0	41.8	50.8	33.9	3.9	2.5	227	215	74	81	N	7	N	5	1	10	0.38	4.2	28	Fine a. ° showers p.
7	29.70	29.80	43.3	46.5	52.0	40.3	1.8	4.5	242	219	86	69	NE	4	NE	6	10	10	—	5.7	38	Fine.
8	29.89	29.93	45.2	42.2	53.0	39.0	4.0	4.0	217	191	72	72	E	7	ENE	7	2	0	—	10.1	37	Very fine.
9	29.96	29.94	45.3	40.0	52.0	33.5	4.0	3.2	218	186	72	75	NE	4	—	3	3	0	—	11.0	27	Very fine.
10	29.90	29.83	44.9	44.7	55.1	35.0	1.7	3.2	259	227	88	77	SW	4	—	3	10	10	—	1.3	30	Fine.
11	29.83	29.68	47.8	45.3	57.0	40.7	3.8	6.0	247	184	74	61	SW	5	S	9	0	0	—	10.5	38	Very fine.
12	29.47	29.23	44.5	47.0	54.0	37.9	1.8	4.1	253	231	87	72	SSW	13	S	11	10	9	0.60	0.1	35	Overcast.
13	29.08	28.92	41.1	38.0	49.5	38.0	0.3	0.4	252	220	97	96	—	1	—	1	10	100	0.50	—	41	° all day.
14	28.78	28.74	41.7	40.7	47.0	35.1	1.7	1.7	228	218	87	86	—	2	N	4	10	10	0.22	1.4	35	Occasional °.
15	28.94	29.05	45.3	35.6	52.9	34.5	4.2	2.0	214	172	71	82	SW	10	NNE	4	3	8	0.50	8.4	32	Fine.
16	29.03	29.18	30.4	30.0	39.1	34.9	0.4	0.2	207	208	96	98	N	5	N	4	100	10	0.23	—	29	° all day.
17	29.32	29.32	39.5	35.1	48.0	35.1	1.0	2.6	222	156	92	75	N	4	N	5	100	0	—	3.4	36	Fine.
18	29.64	29.60	40.1	40.0	52.1	30.8	5.1	4.0	206	172	66	79	W	4	S	7	0	10	0.25	9.7	24	— early a. Fine.
19	29.42	29.56	53.0	50.4	60.0	39.4	2.8	4.2	327	265	81	73	SW	17	SW	12	10	8	0.07	4.0	39	Fine and warm.
20	29.73	29.52	50.3	46.9	53.3	46.9	2.3	1.7	307	281	84	88	SW	7	—	2	10	10	0.88	—	44	Overcast. ° 1p.-2p.
21	29.90	29.86	50.0	52.0	56.1	44.5	0.8	2.0	339	335	94	86	S	7	WSW	5	10	10	1.10	—	41	Damp and warm.
22	29.91	29.85	50.7	47.9	60.0	47.9	2.9	2.8	297	266	81	81	W	6	—	2	10	10	—	8.7	47	Very fine.
23	29.90	29.91	46.3	40.5	49.1	40.0	6.4	4.3	186	171	59	67	N	6	—	2	9	9	0.20	2.3	36	Fine.
24	29.44	29.11	46.2	40.3	52.9	40.3	1.4	0.6	281	238	91	96	SW	17	W	8	10	9	2.10	3.4	37	° showers. ▲ 6p.
25	28.87	29.00	41.8	40.2	47.7	34.7	1.8	2.7	227	196	86	79	SW	9	W	4	10	9	1.60	4.8	32	° showers. ▲ 2.15p.
26	29.16	29.25	46.2	38.8	48.0	36.2	4.0	1.4	227	209	73	89	WSW	5	—	1	7	8	1.18	6.4	31	° showers. ▲ 12.30p.
27	29.62	29.48	42.6	52.1	33.2	5.5	4.6	215	185	65	69	NW	8	SW	4	6	9	0.43	10.5	30	▲ shower 2p.	
28	29.59	29.47	46.8	46.9	54.4	36.4	4.0	2.9	231	254	73	80	S	10	S	11	10	8	2.00	1.3	32	Fine, but cloudy.
29	29.79	29.59	44.0	38.0	50.9	35.2	3.1	2.7	222	178	76	77	SW	7	WSW	5	9	8	0.77	6.7	32	Fine.
30	30.06	29.99	45.8	38.9	51.0	36.0	3.1	1.9	241	200	79	85	NNW	6	—	3	100	0	0.20	7.2	31	Fine.
		30.21	51.9	46.6	58.8	38.1	3.1	3.1	308	250	80	79	NW	7	NW	4	10	10	—	3.2	31	Fine.
M.	29.580	29.586	45.2	41.9	51.7	37.1	3.0	2.7	240	214	80	80		7		5	7.8	7.6	2.370	138	33.7	

## DUBLIN (PHOENIX PARK), a.—APRIL 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.	Vapour Pressure.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	Fine.
2	30.33	30.18	45.7	37.2	48.6	23.8	4.1	2.2	220	182	72	92	—	0.5	17	10	Cloudy. ● showers.
3	30.06	29.88	43.9	41.0	49.3	24.4	4.0	1.2	205	231	72	90	—	0.35	20	10	● (sleet) a. ● showers.
4	29.72	29.68	37.6	37.1	45.1	28.9	0.7	0.2	212	217	94	98	—	0.40	30	11	▲ showers.
5	71	66	42.4	39.7	45.7	33.9	0.7	1.0	256	224	95	92	—	0.70	42	10	Cloudy, with ● showers.
6	66	66	41.9	42.5	49.5	37.7	1.2	0.7	241	257	93	94	—	0.86	27	33	Bright a. Cloudy p.
7	71	79	41.1	46.6	50.5	40.7	0.4	0.8	249	299	97	95	—	0.09	36	40	Fine, but cloudy.
8	92	95	46.0	42.8	49.7	40.2	1.6	0.9	274	256	89	93	—	—	36	40	Fine, but cloudy.
9	97	99	43.7	31.0	46.9	30.9	1.1	0.4	260	163	91	93	—	—	30	40	Overcast, with ● showers.
10	98	97	42.7	44.2	55.2	28.4	1.2	0.4	248	271	90	96	—	—	22	40	● a. and p.
11	94	76	41.8	44.9	57.8	37.7	0.3	2.4	258	245	88	83	—	—	30	40	● a. and p.
12	57	29.37	49.0	47.1	54.3	38.2	1.4	0.6	312	310	90	96	—	—	29	40	● a. and p.
13	29.13	28.95	50.0	40.9	51.0	39.9	1.1	0.7	332	240	92	95	—	—	29	40	● a. and p.
14	28.83	28.83	39.9	39.8	43.6	32.9	0.4	0.5	238	235	97	96	—	—	33	40	● a. and p.
15	29.04	29.06	44.4	42.6	49.2	30.7	3.4	0.8	220	256	75	93	—	—	30	40	● a. and p.
16	36	38	38.9	38.0	42.7	37.9	0.1	0.1	235	226	99	99	—	—	30	40	● a. and p.
17	73	70	42.0	42.2	49.4	31.6	2.1	1.7	223	233	84	88	—	—	37	40	● a. and p.
18	57	70	56.1	52.1	63.1	41.9	1.4	0.3	410	382	90	98	—	—	41	40	● a. and p.
19	29.83	29.83	49.6	48.8	55.1	47.9	0.3	0.2	348	341	98	98	—	—	47	40	● a. and p.
20	30.01	29.96	52.6	53.6	57.4	47.6	0.2	2.0	392	355	99	86	—	—	47	40	● a. and p.
21	30.00	29.93	52.9	52.4	61.5	50.3	2.5	2.5	333	329	84	83	—	—	50	40	● a. and p.
22	29.92	30.00	42.9	42.7	52.8	42.5	0.2	2.3	271	226	99	83	—	—	42	40	● a. and p.
23	29.62	29.26	44.1	44.3	54.1	38.0	0.5	1.9	278	249	96	85	—	—	34	40	● a. and p.
24	28.98	28.98	44.4	40.9	47.9	37.2	0.3	0.5	226	245	98	96	—	—	34	40	● a. and p.
25	29.26	29.26	44.9	37.7	49.7	35.9	4.0	0.9	215	209	71	92	—	—	32	40	● a. and p.
26	55	72	45.8	40.6	51.7	32.7	3.2	1.8	239	216	78	86	—	—	29	40	● a. and p.
27	71	62	49.9	48.7	54.8	30.9	3.4	2.8	277	277	78	81	—	—	25	40	● a. and p.
28	51	29.69	47.6	39.1	50.3	37.9	3.0	2.4	260	193	79	81	—	—	38	40	● a. and p.
29	29.86	30.08	45.9	40.3	51.8	36.1	4.8	2.9	210	193	68	77	—	—	31	40	● a. and p.
30	30.15	30.26	49.9	47.9	58.8	34.9	2.7	1.1	292	306	82	93	—	—	28	40	● a. and p.
M.	29.655	29.660	45.1	42.8	51.5	36.3	1.7	1.3	266	252	88	90	—	—	33	40	● a. and p.

## BIRR CASTLE, KING'S COUNTY, a.b.—APRIL 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., -2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +0.021 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.	Vapour Pressure.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	30.28	30.14	39.9	40.9	45.1	30.0	2.1	1.2	205	231	83	91	—	—	—	—	Overcast.
2	30.03	29.89	41.0	40.9	43.9	34.2	2.0	2.3	215	209	84	83	—	—	—	—	Overcast, with ● showers.
3	29.74	29.71	39.9	37.1	45.9	33.2	2.2	1.5	203	192	83	87	—	—	—	—	T ▲ 3p.
4	72	67	41.9	38.8	47.7	35.4	2.0	1.8	226	201	86	85	—	—	—	—	Cloudy.
5	67	68	43.7	43.9	48.7	34.2	3.7	2.0	208	244	73	85	—	—	—	—	Cloudy.
6	66	74	43.7	44.0	50.1	39.2	1.6	1.1	249	263	87	91	—	—	—	—	● showers.
7	85	89	44.8	44.1	51.7	39.2	2.0	1.8	252	249	85	85	—	—	—	—	Cloudy.
8	94	95	46.1	44.7	51.3	38.1	4.1	1.8	224	255	72	87	—	—	—	—	Cloudy.
9	99	95	42.2	42.9	55.7	27.6	2.1	2.2	229	232	86	85	—	—	—	—	Cloudy.
10	90	72	41.8	42.7	58.7	33.7	0.9	2.8	247	216	93	79	—	—	—	—	Cloudy.
11	51	29.39	49.9	47.9	54.8	37.5	3.9	1.1	266	306	74	93	—	—	—	—	Cloudy. ● n.
12	29.10	28.96	43.9	35.8	47.9	34.2	0.9	0.7	266	197	93	84	—	—	—	—	Overcast, with ● showers.
13	28.81	28.83	37.8	40.9	45.6	32.9	0.9	2.0	210	215	93	85	—	—	—	—	Cloudy.
14	28.98	28.96	44.6	42.9	49.7	28.8	3.6	2.9	218	216	74	79	—	—	—	—	Cloudy and cool.
15	29.02	29.20	33.7	37.9	44.7	33.0	0.6	0.7	181	213	92	94	—	—	—	—	Overcast, with *▲.
16	39	58	44.0	37.0	47.7	35.6	2.8	0.8	228	204	78	93	—	—	—	—	* (sleet) ●.
17	70	59	43.0	41.7	48.7	28.7	2.5	1.8	225	227	80	90	—	—	—	—	● showers.
18	57	71	55.3	51.7	59.7	40.6	3.2	1.4	349	347	80	90	—	—	—	—	Overcast, with ●.
19	29.79	29.79	50.9	52.3	54.1	46.8	0.6	0.4	357	381	96	97	—	—	—	—	Overcast, with ●.
20	30.00	29.99	52.3	52.1	57.8	49.9	0.4	0.4	381	379	97	97	—	—	—	—	Overcast, with ●.
21	29.99	29.94	51.9	49.8	61.1	48.2	0.9	0.9	362	335	94	93	—	—	—	—	Cloudy.
22	92	99	47.9	45.2	54.7	38.8	1.0	2.1	309	253	93	85	—	—	—	—	Cloudy, with ● showers.
23	29.63	28.41	43.3	51.7	58.6	0.7	1.6	245	248	95	87	W	4	—	—	—	▲ showers.
24	28.99	28.45	43.3	42.1	51.4	37.3	2.3	2.0	250	226	83	85	—	—	—	—	● showers.
25	29.27	29.33	44.9	38.6	47.8	36.8	1.8	0.9	256	217	87	91	—	—	—	—	● showers.
26	56	68	45.9	41.9	51.1	33.7	1.0	2.7	288	212	94	83	—	—	—	—	▲ showers.
27	64	50	51.0	49.9	54.5	34.5	3.8	2.0	281	309	75	87	—	—	—	—	Cloudy and mild.
28	51	29.72	46.9	40.9	50.0	39.3	2.9	2.6	254	204	80	80	—	—	—	—	
29	29.88	30.04	48.1	44.9	53.8	36.8	1.2	2.0	306	253	91	86	—	—	—	—	
30	30.14	30.26	50.9	49.9	57.9	41.8	2.4	2.8	313	289	85	82	—	—	—	—	
M.	29.639	29.645	45.2	43.6	51.5	36.6	2.0	1.7	260	251	86	88	—	—	—	—	

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—APRIL 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS.†						NORTH SHIELDS.†						GREAT YARMOUTH.†§					
Height of Cops above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.						Height of Cops above—Roof 8 ft., Ground 60 ft., M.S.L. 138 ft.						Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 62 ft. Height of Cops above—Roof 13 ft., Ground 60 ft., M.S.L. 73 ft.					
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		Date.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	Date.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust
1	D. V.	D. V.	D. V.	Hour.		1	D. V.	D. V.	D. V.	D. V.	Hour.	1	D. V.	D. V.	D. V.	D. V.	hr. min.
2	16, 12	17, 10	15, 16	23, 24		2	16, 18	22, 7	16, 23	11	14, 15, 16	2	6, 22	6, 26	5, 27	6, 26	— 38
3	8, 9	2, 7	32, 9	10	4, 12	3	8, 9	2, 7	32, 9	10	14	3	6, 13	6, 11	3, 10	3, 9	— 36
4	2, 10	2, 18	2, 25	24		4	2, 10	2, 18	2, 25	24		4	32, 7	2, 11	3, 10	3, 9	— 17
5	2, 24	2, 20	2, 30	11		5	2, 24	2, 20	2, 30	11		5	32, 10	1, 14	3, 10	3, 9	— 24
6	9, 12	10, 4	9, 14	12		6	9, 12	10, 4	9, 14	12		6	17, 7	15, 15	14, 14	13, 7	— 29
7	6, 4	— 2	6, 12	4	13, 14	7	6, 4	— 2	6, 12	4	13, 14	7	6, 23	6, 24	5, 25	5, 21	— 30
8	23, 19	23, 23	23														

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡					HOLYHEAD.†§						
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.					Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	11, 8	8, 4	11, 10	8	— 2	12, 10	9, 7	10, 8	— 17	13, 55	10, 4	5, 10	12, 4	— 3	— 21	16, 55
3	2, 4	— 2	24, 6	6	7, 4	24, 9	30, 8	24, 4	— 14	15, 55	3, 11	6, 10	25, 4	20, 4	— 12	24, 0
4	25, 4	— 3	4, 5	19, 20	14, 6	24, 7	32, 11	5, 12	— 17	21, 10	26, 11	30, 15	1, 10	1, 11	— 24	2, 20
5	3, 10	3, 9	3, 10	13, 14, 16, 23	32, 16	1, 15	2, 17	1, 18	— 27	17, 15	2, 23	2, 23	1, 24	2, 20	— 33	10, 45
6	3, 4	— 2	1, 10	8	32, 21	32, 16	1, 10	8, 9	— 29	9, 20	1, 27	32, 26	1, 26	3, 19	— 37	8, 25
7	6, 9	6, 9	7, 11	15	6, 13	6, 16	6, 21	6, 20	— 32	18, 55	8, 9	6, 14	4, 18	6, 21	— 33	23, 25
8	5, 11	5, 9	6, 12	12	3, 10	5, 25	5, 17	5, 12	— 33	12, 25	6, 17	4, 23	6, 20	6, 13	— 34	0, 35
9	5, 4	— 3	4, 6	10	5, 11	6, 10	30, 11	29, 7	— 19	6, 35	6, 19	5, 15	3, 13	3, 7	— 25	9, 35
10	26, 10	27, 12	24, 13	17	27, 16	25, 19	25, 22	27, 17	— 29	18, 0	25, 15	25, 18	24, 13	25, 12	— 21	16, 55
11	24, 8	23, 5	24, 8	13, 14, 15, 16, 17	24, 11	22, 11	24, 6	14, 5	— 20	1, 10	26, 11	22, 8	17, 10	17, 13	— 22	20, 40
12	22, 10	21, 4	20, 11	12	16, 10	22, 9	23, 12	15, 4	— 20	17, 45	17, 16	17, 21	18, 14	17, 14	— 32	11, 0
13	18, 10	16, 9	18, 16	14, 16, 17, 22	15, 13	16, 14	15, 13	14, 14	— 22	15, 55	16, 15	16, 15	17, 12	16, 12	— 27	15, 20
14	15, 19	15, 16	15, 22	15	21, 14	25, 8	1, 12	2, 7	— 36	0, 10	30, 12	31, 15	25, 18	27, 28	— 38	19, 30
15	22, 6	— 2	23, 11	1	9, 9	24, 5	29, 9	7, 14	— 32	22, 50	17, 5	18, 8	4, 12	4, 10	— 23	23, 35
16	— 2	— 2	24, 8	12	11, 9	23, 13	28, 20	27, 26	— 31	21, 0	30, 20	28, 27	28, 23	28, 23	— 38	14, 35
17	25, 15	23, 9	24, 17	12	27, 25	27, 24	24, 12	20, 5	— 36	4, 15	27, 21	26, 8	18, 11	17, 8	— 37	2, 40
18	19, 14	19, 8	21, 15	14	14, 19	19, 25	19, 18	21, 25	— 37	12, 40	18, 20	17, 23	18, 21	19, 14	— 36	14, 40
19	24, 17	24, 9	23, 21	10	22, 21	23, 19	24, 15	26, 14	— 35	5, 40	21, 12	21, 5	— 2	— 2	— 27	1, 25
20	20, 7	23, 12	23, 15	24	— 1	10, 10	22, 23	22, 21	— 30	21, 30	17, 9	19, 13	20, 18	20, 17	— 34	21, 50
21	26, 18	25, 10	26, 21	11	25, 21	24, 18	26, 8	— 3	— 33	8, 5	24, 18	24, 14	20, 10	20, 8	— 38	4, 15
22	5, 6	— 2	4, 7	10, 12	28, 16	7, 15	28, 8	28, 14	— 28	12, 20	29, 12	1, 18	32, 13	32, 10	— 26	12, 10
23	20, 14	22, 21	20, 22	16, 18	21, 30	20, 25	21, 30	22, 31	— 47	11, 30	19, 22	19, 23	21, 20	21, 23	— 46	11, 30
24	24, 9	23, 10	20, 22	10, 15	21, 32	24, 22	24, 24	24, 33	— 43	11, 20	20, 23	22, 23	25, 22	23, 30	— 52	16, 0
25	24, 15	24, 10	24, 16	17	25, 25	24, 23	25, 19	25, 18	— 40	4, 45	26, 21	24, 15	22, 12	24, 10	— 39	2, 25
26	26, 20	25, 16	24, 21	10	25, 28	27, 31	25, 26	25, 15	— 46	10, 45	26, 27	26, 22	24, 7	20, 8	— 33	8, 40
27	22, 9	21, 7	23, 11	14	21, 12	23, 13	19, 14	16, 11	— 26	17, 5	18, 18	17, 21	18, 16	16, 16	— 33	22, 45
28	21, 10	26, 12	17, 21	7	22, 23	21, 21	27, 25	24, 24	— 49	9, 5	26, 20	19, 18	28, 18	25, 27	— 42	7, 55
29	26, 15	28, 18	26, 20	16	26, 28	27, 30	28, 32	28, 26	— 39	17, 20	26, 27	27, 21	28, 9	31, 11	— 38	3, 35
30	27, 10	27, 11	28, 17	20	23, 22	27, 22	28, 24	28, 22	— 33	12, 40	23, 17	24, 18	28, 6	30, 8	— 26	14, 0

GLASGOW.†					KINGSTOWN.†						ROCHES POINT.‡					
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.					
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	20, 8	22, 5	20, 8	13	— 2	12, 13	13, 6	14, 7	12, 13	13	— 3	— 3	— 3	— 3	— 3	19, 20
3	19, 10	22, 7	19, 11	12	14, 8	13, 11	— 3	24, 12	23, 13	23	— 26	— 24	— 25	— 19	— 154	12, 15
4	3, 5	2, 4	2, 3	16	26, 18	30, 15	30, 15	29, 12	23, 23	3	— 26	— 21	— 19	— 23	— 138	19, 10
5	2, 10	7, 7	7, 11	17	32, 22	1, 25	1, 21	30, 12	2, 26	3, 24	— 22	— 20	— 16	— 13	— 32	9, 10
6	4, 10	3, 10	2, 12	10	1, 23	2, 26	32, 21	1, 24	2, 30	24	— 17	— 10	— 16	— 11	— 31	18, 20
7	6, 11	7, 14	7, 14	18	11, 12	7, 17	4, 11	6, 27	7, 30	24	— 14	— 17	— 14	— 8	— 28	13, 45
8	24, 4	26, 8	26, 8	18, 19	6, 15	5, 12	5, 17	7, 14	7, 32	3	— 9	— 9	— 7	— 1	— 23	11, 30
9	8, 10	— 2	8, 11	14	6, 17	7, 10	2, 8	2, 4	6, 17	9	— 7	— 9	— 5	— 9	— 19	13, 35
10	23, 13	20, 11	23, 14	15	24, 18	27, 14	26, 14	26, 17	24, 26	19	— 3	— 12	— 10	— 12	— 23	23, 25
11	20, 14	19, 9	18, 16	23	24, 12	12, 13	18, 8	18, 14	18, 18	20	— 23	— 22	— 24	— 18	— 30	14, 30
12	25, 6	— 2	17, 15	1, 2	16, 10	17, 14	18, 16	14, 16	16, 21	17	— 4	— 7	— 23	— 25	— 34	23, 35
13	— 3	7, 6	14, 1	1	26, 11	32, 11	26, 16	24, 15	32, 18	18, 22	— 16	— 17	— 13	— 13	— 31	0, 30
14	22, 19	26, 8	22, 19	13	13, 4	8, 10	6, 8	5, 24	4, 29	24	— 24	— 24	— 31	— 24	— 47	18, 30
15	8, 8	8, 5	8, 8	8, 13	1, 27	25, 14	28, 15	31, 23	32, 29	10	— 10	— 16	— 28	— 27	— 38	18, 25
16	4, 6	1, 6	2, 9	11	28, 21	29, 18	26, 18	26, 17	32, 22	23	— 33	— 27	— 29	— 22	— 44	13, 0
17	26, 6	26, 7	27, 26	14, 15, 18	25, 15	14, 13	16, 15	16, 18	16, 24	23	— 2	— 22	— 28	— 17	— 37	16, 45
18	20, 22	23, 26	23, 26	18	18, 14	21, 43	21, 35	22, 32	21, 45	15	— 14	— 19	— 14	— 6	— 37	12, 50
19	27, 10	26, 13	23, 15	1	21, 9	8, 4	— 2	— 2	23, 21	5	— 13	— 19	— 14	— 10	— 35	14, 55
20	23, 4	24, 12	24, 15	22	18, 7	22, 21	21, 18	22, 22	22, 26	24	— 10	— 9	— 4	— 11	— 25	22, 20
21	26, 13	26, 10	23, 22	5	26, 15	24, 18	28, 6	23, 10	22, 26	1	— 17	— 24	— 18	— 15	— 36	10, 55
22	25, 5	26, 10	26, 10	16, 18	1, 21	2, 17	2, 7	1, 4	2, 25	10	— 16	— 24	— 18	— 9	— 40	11, 50
23	23, 22	23, 18	23, 23	15	20, 29	21, 29	21, 26	21, 26	22, 32	15	— 22	— 38	— 34	— 17	— 65	12, 30
24	23, 12	27, 15	22, 20, 27	1, 7, 18	21, 32	23, 32	23, 32	23, 32	23, 32	14	— 22	— 16	— 21	— 16	— 41	18, 55
25	26, 10	25, 11	26, 13	15, 16	25, 21	31, 14	25, 12	24, 17	23, 26	7	— 13	— 16	— 2	— 8	— 32	14, 55
26	26, 17	26, 16	26, 17	13	18, 14	17, 18	15, 9	16, 9	17, 18	13	— 17	— 22	— 18	— 14	— 30	14, 40
27	21, 13	18, 13	18, 15	19	23, 13	24, 27	24, 23	23, 21	24, 27	13	— 20	— 27	— 17	— 10	— 46	12, 15
28	26, 15	27, 11	26, 16	14	25, 26	28, 18	28, 16	27, 16	26, 26	9, 10	— 17	— 25	— 26	— 8	— 37	14, 25
29	26, 18	25, 11	26, 18	13	24, 19	27, 16	28, 18	27, 18	24, 23	10	— 29	— 21	— 26	— 14	— 39	9, 0

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.  
 DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables.  
 A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.  
 \* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.  
 ‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.  
 § Dines Pressure Tube Anemometer.  
 Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—MAY 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
 Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.036 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	47° 0	47° 6	51° 5	45° 0	0° 4	1° 0	31° 3	3							

## TILLYPRONIE, ABERDEENSHIRE.—MAY 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
2	29.00	28.92	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
3	28.86	28.78	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
4	28.78	28.70	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
5	28.70	28.62	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
6	28.62	28.54	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
7	28.54	28.46	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
8	28.46	28.38	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
9	28.38	28.30	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
10	28.30	28.22	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
11	28.22	28.14	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
12	28.14	28.06	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
13	28.06	27.98	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
14	27.98	27.90	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
15	27.90	27.82	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
16	27.82	27.74	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
17	27.74	27.66	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
18	27.66	27.58	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
19	27.58	27.50	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
20	27.50	27.42	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
21	27.42	27.34	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
22	27.34	27.26	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
23	27.26	27.18	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
24	27.18	27.10	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
25	27.10	27.02	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
26	27.02	26.94	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
27	26.94	26.86	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
28	26.86	26.78	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
29	26.78	26.70	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
30	26.70	26.62	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
31	26.62	26.54	55.5	55.0	63.5	41.8	4.5	3.8	.321	.330	72	76	NW	4	W	2	5	Sunshine and ∞.
M.	28.646	28.649	48.3	44.8	55.4	39.2	2.7	2.1	.281	.258	82	85	3.6	3.2	6.8	5.6	2.74	36.6

## DUNDEE, FORFARSHIRE, c.d.—MAY 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	30.08	29.98	53.0	53.5	65.2	45.0	2.4	2.3	.337	.345	84	84	SW	1	SW	1	10	Fine 11a.-4p.
2	29.95	29.85	50.8	46.5	56.8	46.0	4.2	2.5	.270	.259	73	82	NW	3	SE	1	7	Fine till 6p., then cloudy.
3	29.85	29.75	46.2	42.5	48.8	37.0	1.9	2.5	.270	.220	87	81	SW	3	SW	1	10	☉ showers 10a.-1p.
4	29.75	29.65	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Cloud and sunshine.
5	29.65	29.55	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ 6a.-10a. Cloud and sunshine.
6	29.55	29.45	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ 11a.-3p. Dull.
7	29.45	29.35	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ till 3p. Cloud and sunshine.
8	29.35	29.25	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ till 9.30a. ☐ 4p.-8p.
9	29.25	29.15	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine till 6p., then dull.
10	29.15	29.05	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine.
11	29.05	28.95	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine till 3p., then cloudy.
12	28.95	28.85	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ 7a.-9a. Dull. ☉ till 4p.
13	28.85	28.75	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ till 5.30a. Dull and cloudy.
14	28.75	28.65	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine.
15	28.65	28.55	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine till 8.30a. Dull.
16	28.55	28.45	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine.
17	28.45	28.35	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine 10a.-5p.
18	28.35	28.25	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Dull and cloudy. ☉ from 3p.
19	28.25	28.15	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ from 6p.
20	28.15	28.05	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Dull and cloudy. T 2p.-3p.
21	28.05	27.95	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Dull and cloudy.
22	27.95	27.85	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	☉ till 9a. Fine till 7p.
23	27.85	27.75	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Dull. Fine 1p.-4p.
24	27.75	27.65	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine all day.
25	27.65	27.55	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Cloud and sunshine.
26	27.55	27.45	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine till 5p., then cloudy.
27	27.45	27.35	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Cloud and sunshine.
28	27.35	27.25	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Dull. ☉ noon-1p.
29	27.25	27.15	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Cloud and sunshine.
30	27.15	27.05	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	Fine.
31	27.05	26.95	48.0	42.9	54.0	35.5	3.0	2.7	.263	.220	79	80	SW	5	SW	1	5	
M.	29.692	29.695	50.9	46.8	56.9	42.3	2.5	1.8	.317	.283	84	87	2.8	2.2	6.8	8.1	1.36	

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—MAY 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.5	50.1	56.2	45.1	2.0	1.8	.317	.316	87	87	WNW	9	W	10	10	Dull and overcast.
2	29.14	29.01	50.5	50.1	56.2	45.1	2.0	1.8	.317	.316	87	87	WNW	9	W	10	10	☉ early a. Fine.

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MAY 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	Grass.			
1	29.94	ins.	ins.	57.7	52.1	64.4	41.0	5.9	2.1	316	334	66	85	NW	2	SWbyW	5	9	ins.	hrs.	°		
2	73	86	51.9	39.0	52.3	39.0	3.0	1.9	311	201	80	NW	3	NW	1	8	6	—	04	13	38	Fine and mild a. • n.	
3	41	47	42.6	50.9	35.0	4.0	2.5	229	221	70	82	SW	4	W	5	8	6	—	04	13	38	Fine, but cloudy.	
4	29.46	45	45.9	35.9	51.2	33.0	0.6	0.0	296	211	96	NW	4	NW	2	7	2	03	03	30	30	Fine, but cloudy. • p.	
5	28.96	29.00	42.3	38.8	50.0	34.3	0.2	0.0	265	236	99	W	4	W	4	10	8	08	06	31	29	△ early a. Fine.	
6	85	28.89	43.4	36.4	47.6	35.0	4.2	1.4	197	189	70	W	7	W	7	4	3	03	07	31	29	△ early a. Fine.	
7	28.94	29.16	43.8	35.9	50.0	35.6	4.6	1.9	194	194	67	W	7	W	2	7	2	04	52	32	27	△ early a. Fine.	
8	29.18	34	41.4	36.2	50.5	32.0	2.0	0.9	220	196	85	NW	3	W	1	9	4	01	38	29	27	Dull, then clear.	
9	45	50	46.2	39.9	50.0	32.4	3.3	1.0	240	226	77	SEbyE	2	SW	2	7	6	—	03	27	27	Fine.	
10	58	86	50.0	38.1	51.0	36.0	5.0	0.0	245	229	68	Calm	0	NW	1	3	4	—	12	34	27	Fine and bright.	
11	96	90	49.1	43.1	53.1	34.6	3.2	0.8	273	261	77	SE	2	NW	1	4	4	46	11	25	28	Fine.	
12	54	52	45.9	45.5	48.3	42.0	0.4	0.0	300	305	98	W	2	NEbyE	1	10	10	35	—	41	—	Cloudy. • p.	
13	52	68	49.6	42.1	54.3	42.1	0.4	0.1	346	266	97	NEbyE	2	NW	2	9	2	—	8	14	44	Fine. T. p.	
14	75	63	53.7	45.8	57.3	37.2	3.3	1.9	324	266	78	SE	1	NW	1	1	2	—	14	43	33	Fine and clear.	
15	44	50	53.1	47.4	56.1	40.1	1.6	0.2	360	322	89	N	3	NNE	1	9	10	01	13	40	30	Fine, but cloudy.	
16	47	53	50.9	48.9	52.2	45.2	1.0	0.1	348	343	93	NNE	1	N	1	9	10	15	02	46	26	Fine, but cloudy.	
17	60	57	49.9	45.4	55.2	45.4	0.0	0.3	360	296	100	N	1	NNE	3	10	10	08	10	47	—	• during day.	
18	45	40	49.0	47.0	50.0	45.4	0.0	0.0	348	323	100	NE	2	SE	1	10	10	08	10	47	—	Misty, with • p.	
19	49	42	46.4	47.0	51.2	45.6	0.0	0.0	316	323	100	Calm	0	SE	1	10	10	08	10	47	—	Dull. T. p.	
20	45	55	53.0	49.2	55.5	46.2	0.0	0.2	403	345	100	NE	1	Calm	0	10	10	02	45	46	—	T. a.	
21	66	74	50.0	44.9	58.5	44.9	0.0	0.0	361	298	100	NE	1	N	1	10	1	03	46	—	—	46	Fine.
22	78	83	56.7	46.0	61.5	41.3	3.7	0.0	355	311	77	NE	1	NW	1	2	2	—	14	37	—	—	Fine.
23	29.87	29.93	54.0	47.0	63.1	42.2	1.6	0.0	371	323	89	NW	1	NNE	2	3	10	01	11	40	—	—	Fine, but dull.
24	30.00	30.02	46.2	46.1	51.3	45.0	0.4	1.9	304	268	98	NE	2	NNE	1	10	10	—	12	46	—	—	Fine.
25	30.01	29.98	53.4	41.7	55.9	40.0	3.9	0.5	307	253	75	NE	1	N	1	6	1	—	11	42	—	—	Fine.
26	29.87	29.75	64.2	55.8	71.0	39.4	7.3	2.8	372	367	62	W	3	NW	4	4	8	—	64	37	—	—	Fine. Dull from 11a.
27	71	60	57.2	58.0	63.0	49.1	4.6	3.2	339	388	72	NW	1	NW	3	8	8	—	45	47	—	—	Fine and mild.
28	46	42	54.1	59.5	59.5	52.0	2.7	1.5	343	348	81	SW	2	W	3	9	9	03	17	50	—	—	Dull.
29	33	13	53.9	44.0	59.3	42.0	2.0	2.0	359	244	87	SW	2	W	4	10	6	01	09	47	—	—	Dull, with • p.
30	29.04	29.01	48.9	43.4	53.4	41.2	3.9	0.3	256	274	74	W	8	SWbyW	3	5	8	09	00	37	—	—	Fine a. • showers p.
31	28.92	28.96	48.6	47.9	55.2	42.5	1.4	3.9	307	244	90	Calm	0	W	4	9	4	22	25	39	—	—	Dull, with T. •
M.	29.518	29.528	50.3	44.6	54.9	40.5	2.4	1.0	309	278	84	93	2.4	2.3	7.4	6.4	2.27	169	38.7				

## DOUGLAS, ISLE OF MAN, a.—MAY 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.

Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

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

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—MAY 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.

Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.23 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		Percentage.											
													9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	9 a.m.
1	ins.	ins.	52.5	48.8	57.6	39.9	3.3	0.8	309	325	78	94	WSW	5	SW	4	8	ins.	hrs.	°		
2	29.96	29.86	48.3	46.0	56.5	45.5	0.5	4.0	329	225	97	73	WNW	6	—	1	10	—	8.2	34	Bright and sunny.	
3	73	84	46.2	44.5	54.9	35.3	2.0	2.8	246	233	79	79	SW	8	W	7	9	8	2.3	43	Fine a. Cloudy p.	
4	50	48	44.3	41.5	48.2	36.9	3.9	2.5	211	211	71	81	WNW	13	W	4	8	4	0.5	28	Dull and cloudy. ● from 3p.	
5	29.03	29.06	44.0	43.7	48.4	40.0	1.7	2.7	250	227	86	79	SSW	15	SW	10	10	4	200	8.8	● showers. Sunny intervals.	
6	28.99	28.97	44.0	43.0	47.0	36.5	5.7	2.0	177	190	61	83	W	21	SW	6	10	10	595	5.3	37	Squally, with ▲ showers. <
7	29.09	29.17	44.0	42.3	46.0	36.2	5.2	2.8	185	213	64	80	WSW	21	W	6	8	10	340	7.0	35	☾ ▲ showers. Sunny in-
8	20	31	40.0	39.0	46.0	33.9	3.0	4.0	189	164	76	70	NW	6	—	2	9	2	030	6.4	31	▲ 4p.-7p. intervals.
9	40	50	45.5	40.0	51.8	32.5	4.7	2.0	207	207	68	84	—	2	—	1	8	4	145	4.7	28	● showers. Sunny intervals.
10	56	79	47.0	42.0	52.0	34.3	4.0	2.0	233	225	73	85	SW	6	—	0	6	0	—	12.2	30	Bright and sunny. [T 3p.
11	89	77	52.0	46.0	58.0	35.0	8.0	5.7	210	195	54	63	—	2	NE	7	0	6	055	13.2	29	Fine and sunny.
12	35	39	47.5	50.0	50.0	44.2	2.0	3.0	281	286	86	80	NE	12	NE	6	10	2	020	21	61	6a.-9a.
13	34	55	56.0	51.0	58.3	44.5	6.7	4.3	280	270	62	72	E	17	ENE	4	6	4	—	12.5	40	Fine and sunny.
14	66	59	55.5	50.4	64.8	44.5	5.8	4.7	292	255	66	70	NNE	4	NE	6	5	0	100	12.8	40	Fine and sunny.
15	39	52	56.0	54.0	55.0	44.3	2.0	1.7	343	368	86	88	—	1	—	2	10	10	095	—	36	● a. Gloomy p.
16	42	48	60.0	59.7	68.8	49.9	3.6	4.0	406	391	78	76	—	3	—	2	3	8	020	—	46	Bright and sunny. T 2.30p.
17	52	45	60.0	53.5	65.8	49.7	4.8	2.5	374	340	72	53	E	5	NE	7	6	5	—	11.4	46	Fine all day.
18	35	37	56.5	53.0	66.5	48.3	2.5	2.8	384	327	84	81	NE	4	—	2	10	4	175	0.1	47	Misty, with ● all day.
19	36	33	55.0	54.2	65.8	45.9	2.0	2.0	375	364	87	86	NE	7	NE	6	10	10	063	0.5	42	Dull and misty.
20	31	52	62.0	57.0	71.0	52.7	3.0	4.0	456	351	82	75	NE	6	—	2	6	10	—	7.7	51	Fine.
21	62	67	57.5	54.3	68.0	49.3	1.5	1.3	427	384	90	91	SW	4	—	0	2	7	085	4.2	44	Sunny and warm. Frequent T.
22	69	74	63.2	61.2	73.5	53.5	6.2	4.7	385	395	66	74	—	2	N	4	3	4	—	12.9	42	Fine and sunny.
23	78	83	67.0	59.8	76.2	51.9	10.8	5.8	330	346	50	67	NE	4	—	3	1	0	—	15.2	44	Very fine and clear.
24	89	96	60.0	49.5	63.0	46.0	6.0	5.2	344	236	66	67	NE	5	NE	5	0	3	—	12.7	44	Fine and sunny.
25	95	93	54.0	51.5	62.2	41.0	5.8	4.2	271	278	65	73	—	3	—	2	0	0	—	14.9	34	Fine and sunny.
26	88	78	57.5	57.5	66.0	40.3	5.7	2.6	321	397	67	83	SSW	4	NW	18	4	8	—	9.1	35	Fine a. Cloudy p.
27	71	65	57.5	53.0	59.0	52.0	3.5	1.8	372	352	78	87	W	5	WSW	5	10	10	090	2.0	44	Dull and cloudy.
28	53	46	54.5	53.0	59.0	51.0	2.2	1.2	362	369	85	92	W	6	WSW	7	10	10	060	0.1	48	● 7a.-8a. and 1p.-2p.
29	36	22	53.0	49.3	60.4	48.7	1.2	2.3	369	294	92	84	WSW	8	WSW	7	10	5	170	0.2	46	● 4p.-6p.
30	29.16	29.09	52.0	46.7	54.0	45.0	5.2	1.7	253	279	67	88	W	20	SW	9	10	10	100	6.0	41	Sunny intervals. ● showers
31	28.89	29.08	51.8	49.0	59.2	45.7	3.1	2.0	307	298	79	86	S	15	SW	4	10	10	140	3.6	44	☾ 2p.-3p. [5p.-9p.
M.	29.491	29.506	52.9	49.7	59.1	43.7	4.1	3.0	306	290	75	80	8	5	6.7	6.1	3.263	215	39.3			

## SHREWSBURY, SHROPSHIRE.—MAY 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	50.2	54.5	60.0	46.0	3.3	2.5	282	354	78	83	NNW	1	NNW	2	9	10	ins.	—	42	Cloudy all day.	
2	29.14	30.04	52.2	50.0	54.5	45.4	2.4	2.6	325	246	84	82	NW	2-3	NNW	2-3	10	3	01	—	42	Cloudy all day.	
3	29.91	29.66	49.1	45.0	55.8	35.0	5.2	1.5	232	264	67	89	W	2	NW	3-4	9	10	01	—	43	7 a.-10 a. Sunny p.	
4	72	69	44.0	43.8	51.7	36.3	3.8	3.7	209	209	72	73	NW	4	NW	2	5	7	01	—	43	Dull, with e <sup>s</sup> showers.	
5	30	32	48.1	46.0	54.0	41.8	2.0	3.0	286	244	86	79	SSW	3	SSW	2	10	100	01	—	33	7 a.-7.30 a., then fine.	
6	25	23	46.0	39.0	52.2	38.5	6.3	1.4	185	210	60	89	NW	4	W	2	6	4	09	—	38	a. and p.	
7	36	39	45.0	41.8	51.4	35.8	5.0	1.4	197	236	66	89	NW	3	WNW	1	4	8	39	—	33	7 a. * 8 a. * showers.	
8	41	48	38.9	37.2	49.9	33.7	0.9	1.2	219	198	93	89	NW	3	WSW	1	10	0	02	—	30	* 8 a. * 1 p.	
9	55	66	46.4	40.0	51.7	31.5	5.7	1.3	198	220	63	90	NNW	3	NNW	1	6	2	—	—	28	* n. * a. * 3 p.	
10	29.75	29.92	44.0	46.7	56.0	31.1	3.0	3.2	224	247	77	79	NW	1	NW	1	6	8	—	—	28	Dull a. Sunny p.	
11	30.03	29.89	51.0	47.5	62.0	29.9	7.1	7.1	216	183	58	56	NE	1	NE	2	0	7	12	—	28	Fine and bright.	
12	29.52	29.50	46.0	52.0	62.7	43.9	0.8	2.5	292	323	94	83	N	3	NNE	1	10	0	—	—	42	Fine and bright.	
13	47	63	49.1	53.0	56.0	43.2	4.3	4.0	250	299	72	74	ESE	3-4	SE	2	9	9	—	—	38	Overcast a. Bright p.	
14	76	68	52.9	54.5	67.0	41.5	2.9	5.6	323	282	81	67	NE	1	E	2	10	0	—	—	38	Dull and threatening.	
15	54	52	48.8	51.0	58.0	36.8	3.2	0.9	270	351	78	94	ESE	1	E	1	10	0	07	—	36	Beautiful day.	
16	56	61	52.8	59.0	71.7	46.0	1.3	2.2	364	430	91	87	SE	1	ESE	1	10	3	—	—	45	9 a.-1.30 p.	
17	64	57	57.3	58.8	67.7	46.1	3.5	2.6	369	416	79	84	ESE	2	ESE	2	7	10	18	—	45	Dull a. Bright afternoon.	
18	48	52	51.0	51.9	63.0	50.0	0.3	1.5	366	346	98	90	SE	2	SE	1	10	4	35	—	45	• till 1.30 p.	
19	48	52	51.0	51.9	63.0	50.0	0.3	1.5	366	346	98	90	SE	2	SE	1	10	8	10	—	5	• till 12.30 p.	
20	41	66	55.6	55.0	73.8	54.9	5.3	2.0	448	375	72	87	NE	3	WSW	3	3	3	01	—	42	Bright and very close.	
21	76	81	60.0	57.0	66.5	48.0	4.2	3.8	390	356	75	76	NNW	2-3	NNW	3	6	10	—	—	53	T 2.30 p. Bright and very close.	
22	83	88	61.3	56.7	71.9	54.1	4.3	2.4	407	389	75	85	NNW	3	NW	1	6	3	—	—	46	Bright and very close.	
23	29.91	29.94	61.9	60.9	75.9	43.4	4.9	6.6	400	343	72	64	NNW	1	NE	1	5	0	—	—	52	T 2.30 p. Bright and very close.	
24	30.02	30.06	62.7	53.0	69.9	41.9	7.2	2.6	353	332	63	82	N	1	SE	1	0	10	—	—	40	Bright and very close.	
25	10	30.06	51.2	52.1	63.8	45.8	4.5	2.1	268	334	71	85	E	2-3	NW	1	7	0	—	—	40	Fine and bright.	
26	30.07	29.98	53.7	57.0	70.9	39.9	4.2	3.0	303	377	73	81	SE	1	NW	1	0	8	—	—	39	Fine and bright.	
27	29.91	29.84	55.2	53.3	62.9	53.2	2.6	1.9	363	354	84	87	NW	3-4	NW	2	10	9	—	—	49	Fine and warm.	
28	74	66	61.0	53.4	64.0	47.3	4.5	1.4	397	368	75	90	W	3	W	2	8	9	03	—	52	Cloudy. Short sunny intervals.	
29	59	44	55.8	54.4	64.0	53.0	2.2	4.4	384	307	86	72	W	3	W	2	9	10	—	—	42	Cloudy. • showers p.	
30	43	35	51.0	49.0	57.9	45.0	5.1	2.0	253	298	68	86	W	3-4	SW	4	7	100	06	—	51	Cloudy all day.	
31	29.16	29.30	52.3	51.2	61.3	47.6	1.0	3.1	365	299	93	80	SSW	3	W	1	10	4	11	—	39	Cloudy a. • showers in even.	
M.	29.668	29.668	52.2	51.0	61.7	42.9	3.6	2.8	307	310	77	82	2.3	1.7	7.2	5.8	1.86	—	40.6				

## CAMBRIDGE, a.—MAY 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.019 in.

1	30.28	30.13	47.5	53.5	56.2	45.5	1.3	1.5	296	367	90	89	NW	2	W	2	10	10	10	11	33	Overcast most of day.	
2	03	30.11	49.3	42.5	54.0	42.2	0.1	0.8	350	254	99	94	W	2	N	3	10≡20	0	10	17	44	Overcast, with e.	
3	30.11	29.84	47.2	49.0	57.4	36.0	4.2	3.8	231	259	72	74	W	1	SW	4	2	10	10	10.1	25	Fine and sunny.	
4	29.85	29.86	45.0	38.0	52.0	37.2	4.0	0.2	214	224	72	98	NNW	4	Calm	0	8	0	06	7.0	30	Sunny intervals. Δ a.	
5	61	56	45.2	42.0	54.0	34.0	2.0	2.0	255	225	85	85	S	6	SW	2	100	2	13	2.7	23	• till 2 p., then sunny intervals.	
6	40	43	50.0	40.2	55.0	39.0	7.0	1.0	208	230	58	92	SW	6	W	3	3	100	04	11.0	28	Fine and sunny. • from 7 p.	
7	55	56	46.0	39.5	54.9	34.0	5.0	1.5	207	212	67	88	SW	5-6	SW	2	9	2	09	10.5	24	Δ showers. T 1 p. — p.	
8	56	63	49.7	38.2	54.8	33.9	5.5	0.7	233	216	65	95	W	1	SW	1	7	10	07	6.2	24	Fine and sunny a. T 1 p. — p.	
9	66	29.80	45.0	41.2	53.0	36.0	2.6	1.8	241	221	81	86	NW	1	N	2	9.00	0	02	7.7	34	• showers. Sunny intervals.	
10	29.93	30.11	48.0	45.0	56.0	27.8	5.1	3.7	222	220	67	74	SE	1	E	1	1.00	3	—	12.5	18	Fine and sunny.	
11	30.15	29.94	50.7	45.0	56.0	37.0	10.4	1.5	162	264	44	89	N	3-4	WNW	5	1	100	10	8.1	28	Fine and sunny a. • from 5 p.	
12	29.61	29.69	56.5	49.5	62.0	44.0	5.4	1.5	312	315	68	89	E	3-4	SE	2-3	5	90	05	11.2	42	Sunny 8 a.-7 p.	
13	69	89	49.9	48.7	59.0	42.0	3.7	1.7	270	301	75	88	ESE	5	E	2	10	1	—	7.5	36	Sunny intervals.	
14	94	84	63.5	51.0	69.0	45.0	10.0	4.8	300	259	51	69	E	4	N	2	0	0	0	31	13.7	35	Beautiful day.
15	67	69	48.4	53.5	60.0	47.0	0.3	1.1	332	379	98	92	NNW	1	N	1	10.00	2.6	01	1.0	42	• 4 a.-9.30 a.	
16	76	79	55.5	56.1	72.0	50.2	1.5	0.7	397	430	90	95	W	2	N	2	9	5.6	—	6.7	43	Sunny 9 a.-4 p. T 5 p.	
17	80	73	51.6	53.0	62.0	47.0	0.4	1.0	372	374	97	93	NW	2	N	2	10	7	42	0.5	47	Overcast.	
18	67	71	55.1	53.5	69.3	51.0	0.1	1.2	432	376	99	91	SE	1	Calm	0	10	0	30	7.7	47	• n. and till 8 a.	
19	62	64	59.5	60.8	69.1	50.5	1.5	2.0	460	468	91	88	SE	2	NE	1	9	90	01	7.4	41	T 4.30 a. • 6 a.	
20	63	79	71.0	62.5	78.0	54.0	6.0	2.5	526	480	69	85	SE	1	Calm	0	2	8	—	12.0	46	Sunny and close.	
21	86	92	57.0	54.0	67.0	54.0	0.8	1.2	440	382	94	92	NW	2	NW	2	10	2	—	1.1	52	T early a.	
22	29.95	29.98	59.6	61.0	76.4	49.0	3.4	4.0	406	410	79	77	NW	3	N	2-3	7.00	0	—	11.0	46	Fine and sunny.	
23	30.05	30.10	66.1	59.8	74.2	51.0	8.0	6.7	382	325	60	64	SW	2	N	1	0	0	—	14.7	45	Fine and sunny.	
24	18	22	50.5	48.9	60.0	48.0	1.0	3.1	342	274	93	80	N	3-4	N	5	10	10	—	—	43	Overcast and gloomy.	
25	22	23	49.8	48.8	54.3	46.5	3.0	2.9	285	277	81	80	N	4	N	2-3	10	10	—	2.7	45	Sunny intervals p.	
26	22	30.09	53.3	51.9	68.2	46.0	2.3	1.6	306	344	84	89	N	2-3	Calm	0	10	6	—	8.7	45	Fine and sunny 10 a.-7 p.	
27	30.02	29.96	59.1	57.2	65.2	48.0	4.0	2.2	382	403	76	86	NNW	2	Calm	0	9	10	—	3.0	40	Gloomy most of day.	
28	29.90	29.83	63.0	56.8	71.0	48.5	5.1	0.9	411	435	72	94	W	2-3	Calm	0	7	100	05	8.0	40	T 1.30 p. • 6 p.-9 p.	
29	76	59	60.0	58.0	67.0	53.4	3.8	2.5	401	407	77	84	SW	3	WSW	5	9	10	03	4.0	51	Sunny 2 p.-5.30 p.	
30	62	56	54.0	50.8	61.0	46.9	5.7	4.5	273	263	66	71	SW	5	SW	4	8	6	03	9.5	40	Sunny intervals.	
31	29.44	29.48	52.6	53.5	62.9	49.1	1.3	3.5	361	316	91	77	ESE	5-6	SW	4	100	0	07	3.1	44	• showers a. and p.	
M.	29.829	29.829	53.4	50.4	62.3	44.3	3.7	2.2	323	320	78	85	2.9	2.0	7.3	5.2	2.16	210	38.1				

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—MAY 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +0.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		Percentage.											
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	9 a.m.
1	ins.	ins.	50.3	55.2	58.4	47.1	2.9	2.6	293	362	80	83	SW	1	NW	1	10	10	ins.	hrs.	°	
2	30.16	30.04	52.7	46.7	57.0	44.6	2.6	2.5	329	261	82	81	W	1	Calm	0	10	10	—	3.5	45	Dull day.
3	29.92	29.95	51.5	44.9	55.6	34.6	6.8	0.2	226	294	59	98	W	1	Calm	0	2	10	—	1.9	43	Dull day.
4	94	69	51.5	44.9	55.6	34.6	6.8	0.2	226	294	59	98	W	1	Calm	0	2	10	—	1.9	43	Dull day.
5	74	73	45.7	42.0	50.4	36.5	4.2	2.0	218	225	71	84	NW	1	NW	2	10	10	—	12	8	Very bright a. ● 6p. ▲ later.
6	34	36	48.0	46.9	54.7	40.9	1.9	2.7	288	259	86	80	SW	1	SE	4	10	10	—	12	8	Bright. ▲ 10.30p.
7	33	33	49.9	42.7	53.6	40.1	6.2	1.5	219	227	61	87	SW	4	NW	4	3	10	—	12	8	Pleasant day.
8	42	43	46.9	42.7	51.8	37.6	5.2	1.0	211	252	65	92	NW	3	SW	3	8	10	—	12	8	Very pleasant day. ● 11.30p.
9	43	51	44.9	38.0	46.4	36.5	2.4	1.4	244	201	82	87	SW	3	SW	3	10	10	—	10	4	Stormy. ●▲
10	57	66	45.5	43.7	50.9	39.4	3.8	2.0	223	240	73	84	NW	2	N	1	9	10	—	10	4	Dull and stormy.
11	78	99	46.9	42.5	54.9	33.4	3.4	2.3	243	224	76	82	Calm	0	SE	1	10	10	—	6.7	23	Bright and pleasant.
12	99	88	52.2	51.7	60.4	34.1	0.5	1.8	338	336	61	88	W	1	SE	1	0	10	—	12	10	Bright and sunny.
13	45	46	47.3	46.3	63.2	43.4	0.6	1.6	311	276	95	88	W	1	W	2	10	10	—	11.7	27	Bright and sunny.
14	41	69	47.9	47.7	58.2	44.6	1.8	1.8	289	287	87	87	SE	3	E	2	10	10	—	7.5	41	Very wet a. Sunny p.
15	74	65	54.9	54.5	64.6	45.6	3.3	5.1	340	293	79	69	Calm	0	SE	2	8	0	—	6.7	38	Dull and cold a. Sunny p.
16	55	51	47.9	58.2	65.1	45.1	2.0	3.8	283	374	85	77	SW	2	S	2	10	2	—	9.6	42	Gusty day.
17	56	60	61.7	58.4	71.6	47.6	6.1	2.8	365	404	66	83	NW	1	NE	2	0	2	—	6.4	38	Dull a. Pleasant day.
18	46	55	55.5	57.9	60.6	52.1	1.9	2.0	401	419	87	87	NE	2	NE	2	10	3	—	7.2	47	Very bright a. K 2.30p.-6p.
19	40	40	56.7	58.7	65.0	53.5	0.5	3.9	428	378	96	76	N	1	N	1	10	3	—	13	5	Overcast.
20	43	69	68.3	55.9	70.0	49.8	0.9	2.3	399	401	93	85	N	1	Calm	0	10	0	—	8.3	51	● a. Pleasant day.
21	75	87	61.3	58.7	65.4	50.5	3.6	2.1	427	428	79	86	Calm	0	NW	1	0	10	—	5.7	43	● a. Pleasant day.
22	91	29.91	61.7	60.5	73.6	53.5	4.2	2.8	416	436	76	83	NW	1	NW	1	4	0	—	12.6	43	Very bright.
23	29.90	30.01	66.3	58.5	75.4	52.5	6.0	3.9	439	375	68	76	NE	1	Calm	0	0	0	—	0.7	45	Dull day.
24	30.05	30.07	50.7	51.5	65.4	48.7	3.1	1.9	370	331	81	87	NE	2	N	2	0	10	—	13.4	41	Pleasant day.
25	11	30.13	48.9	52.7	58.2	46.6	2.4	1.6	287	355	82	89	NE	2	Calm	0	10	0	—	6.6	40	Pleasant day.
26	30.10	29.97	51.7	57.2	68.6	45.4	3.1	3.6	304	395	79	78	NW	1	N	1	3	0	—	8.7	39	Pleasant day.
27	29.90	29.90	58.5	57.9	65.2	53.5	3.1	3.3	397	382	81	80	W	1	W	1	10	0	—	6.5	47	Pleasant day.
28	75	70	65.7	57.7	67.1	47.6	5.7	1.1	437	443	69	92	SW	1	SW	2	5	10	—	11	40	Pleasant day.
29	62	50	56.9	55.7	63.6	54.5	1.3	1.1	424	412	91	92	SW	2	SW	3	10	10	—	2.2	53	Dull, stormy day.
30	50	42	55.7	50.2	58.4	46.1	5.7	1.4	295	337	66	90	NW	2	S	1	8	10	—	10.1	8	Pleasant day.
31	29.21	29.32	56.2	50.2	61.7	49.5	1.7	1.1	419	334	92	92	S	1	S	1	10	10	—	10.8	46	● a. Windy.
M.	29.679	29.690	53.8	51.6	61.6	45.2	3.4	2.2	332	333	78	85	1.5	1.5	6.7	4.3	1.17	221	39.6			

## SOUTHAMPTON, HAMPSHIRE, a.—MAY 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.	Vapour Pressure.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.1	52.6	57.8	45.2	2.8	3.6	in.	in.	%	%	NE	†	3	7	Fine.				
2	30.28	30.17	50.1	52.6	57.8	45.2	2.8	3.6	in.	in.	%	%	NE	†	3	7	● showers noon-3p.				
3	30.09	29.87	50.7	47.4	59.1	36.4	3.0	1.8	29.5	28.4	80	87	NW	5	3	2	● 8.15p.-11p.				
4	29.90	29.87	47.0	44.0	54.4	39.5	5.8	3.0	200	224	62	77	NW	5	3	2	● showers.				
5	61	63	46.0	48.0	57.1	41.9	0.9	4.5	289	234	94	70	SW	5	4	10	● showers early a. ● 8a.-11.30p.				
6	51	50	52.0	45.3	52.1	44.0	6.9	4.4	229	210	60	69	NW	5	4	1	● 6a.-6a. Fine.				
7	63	63	50.2	42.0	55.1	38.0	2.9	2.7	291	212	81	80	NW	4	4	4	● 11a. ● showers p.				
8	58	65	48.4	38.3	50.0	36.1	4.4	1.0	240	211	71	92	NW	3	4	1	● showers 11a.-2p.				
9	67	29.78	45.9	42.2	52.1	32.7	5.5	2.0	198	227	63	85	NW	3	2	0	● 4p.-4.45p.				
10	29.91	30.06	46.0	42.0	54.1	34.0	3.9	0.9	227	247	74	93	NW	3	10	0	● 6p. ● 6.30p.-8p.				
11	30.09	29.88	50.3	48.7	60.6	35.3	4.9	5.8	250	218	68	63	NE	4	6	2	● 6p. ● 6.30p.-8p.				
12	29.51	53	53.4	49.5	60.3	45.9	1.9	3.2	356	277	88	88	SE	5	10	0	● 6p. ● 6.30p.-8p.				
13	51	79	48.2	50.4	56.1	45.8	2.7	1.9	272	318	82	88	SE	5	10	0	● 6p. ● 6.30p.-8p.				
14	83	72	54.9	57.2	70.1	48.1	3.8	8.5	329	256	76	55	NE	3	SE	2	● 6p. ● 6.30p.-8p.				
15	63	62	58.1	54.0	68.1	46.2	4.1	1.4	366	377	75	90	NE	3	SE	2	● 6p. ● 6.30p.-8p.				
16	67	70	66.5	61.3	72.0	48.4	10.9	5.9	320	365	49	67	SE	3	NE	2	● 6p. ● 6.30p.-8p.				
17	70	62	61.0	61.0	66.5	49.9	4.7	4.1	391	407	74	77	NE	5	NE	2	● 6p. ● 6.30p.-8p.				
18	66	67	56.0	54.0	68.1	52.4	2.8	2.9	370	337	82	81	SW	3	SE	2	● 6p. ● 6.30p.-8p.				
19	52	56	56.6	61.1	65.8	51.8	1.5	2.5	414	457	80	85	SE	3	SE	2	● 6p. ● 6.30p.-8p.				
20	58	81	61.2	56.0	67.1	55.8	3.1	1.6	440	402	82	80	SE	4	SW	2	● 6p. ● 6.30p.-8p.				
21	86	90	58.5	63.2	68.5	51.3	3.1	3.2	397	471	80	81	NW	3	NE	2	● 6p. ● 6.30p.-8p.				
22	91	29.92	64.0	65.0	74.7	57.5	5.9	7.9	406	369	68	59	NW	3	NE	2	● 6p. ● 6.30p.-8p.				
23	29.95	30.02	68.4	62.0	77.1	54.8	8.2	7.5	415	335	59	60	NE	3	NE	2	● 6p. ● 6.30p.-8p.				
24	30.10	14	65.7	52.5	70.3	52.3	9.0	3.5	353	304	56	77	NE	4	NE	3	● 6p. ● 6.30p.-8p.				
25	19	18	52.3	52.0	61.6	47.9	5.3	4.0	263	287	67	74	NE	3	NE	2	● 6p. ● 6.30p.-8p.				
26	19	30.10	55.1	57.1	68.6	45.6	5.0	4.6	303	338	70	73	NE	3	NE	2	● 6p. ● 6.30p.-8p.				
27	30.01	29.96	61.5	56.6	68.1	50.5	4.9	2.6	393	383	72	85	SW	3	NE	3	● 6p. ● 6.30p.-8p.				
28	29.92	85	65.5	58.0	71.6	50.0	6.6	4.3	409	360	66	75	SW	2	NW	3	● 6p. ● 6.30p.-8p.				
29	80	65	58.9	56.4	65.6	53.9	4.2	1.5	373	410	75	90	NW	4	SW	4	● 6p. ● 6.30p.-8p.				
30	69	64	54.0	53.0	61.6	47.2	0.9	4.1	391	297	94	74	SW	4	SW	4	● 6p. ● 6.30p.-8p.				
31	29.48	29.53	52.2	53.9	58.0	50.5	0.9	1.4	366	376	94	91	SW	6	SW	5	● 6p. ● 6.30p.-8p.				
M.	29.805	29.809	55.3	52.6	63.1	46.3	4.3	3.5	329	314	75	78		3.7	3.4	5.8	4.6	1.355	219	41.2	

## PLYMOUTH, DEVONSHIRE, a.—MAY 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	30.25	30.20	53.3	50.0	55.8	47.0	5.3	2.4	274	300	67	84	NNW	13	N	7	6	1	—	5.7	33	Fine to cloudy.	
2	30.07	30.08	50.9	45.6	55.8	45.6	2.0	4.7	323	208	87	68	N	14	N	18	10	0	—	4.7	39	Fine.	
3	30.09	29.90	50.0	46.0	55.8	40.7	4.5	1.0	255	287	71	93	—	3	W	7	4	10	0.5	5.7	31	Fine. ● showers.	
4	29.95	92	47.0	46.0	51.2	41.5	5.5	3.0	206	244	64	79	NW	18	SW	8	7	7	20	10.1	34	Intermittent sunshine.	
5	56	64	50.8	48.4	54.2	43.8	0.8	2.2	351	286	94	84	W	15	SW	13	10	7	17	6.0	41	● a.; fine later.	
6	54	56	50.6	45.0	53.7	44.2	4.6	3.0	259	233	70	81	W	15	W	17	8	3	0.6	7.3	40	Cold with ● showers.	
7	66	63	47.5	44.8	53.0	39.6	4.5	2.6	228	239	70	81	NW	16	WNW	11	5	3	0.8	10.7	34	● showers. ▲	
8	62	68	43.2	43.5	49.7	41.5	2.6	4.2	224	197	81	70	NNW	14	NW	13	8	6	1.4	9.8	38	● showers. Cold wind.	
9	71	29.78	44.1	44.8	50.0	37.3	3.9	2.5	208	241	71	81	N	13	NNW	8	7	4	0.9	10.3	33	● showers. Cold wind.	
10	29.86	30.00	51.6	44.0	56.0	39.8	4.0	3.8	284	209	75	72	SSW	6	—	1	7	4	2.0	6.5	34	Sunny a.; ● showers later.	
11	30.06	29.95	53.8	50.0	61.2	36.8	9.1	6.7	210	213	51	60	N	8	NW	15	0	0	0.6	13.4	31	Beautifully fine and sunny.	
12	29.51	52	45.3	49.2	55.5	44.5	1.5	3.2	268	274	89	78	N	21	E	15	10	9	—	2.9	40	Overcast and unsettled.	
13	38	63	48.1	51.1	53.8	45.8	3.3	2.1	258	322	77	85	ENE	13	ESE	19	9	9	—	4.4	43	Sunny intervals. Cool.	
14	74	64	55.2	52.0	56.8	44.0	5.4	1.0	297	361	68	93	SE	13	E	13	6	10	4.6	4.4	41	Sunny, then ● showers.	
15	56	54	54.0	52.0	61.8	49.5	4.0	2.3	310	352	74	84	E	12	ESE	6	4	9	—	9.6	42	Fine and bright.	
16	55	61	62.0	60.0	65.8	51.8	6.0	9.0	372	278	67	82	E	14	E	9	0	3	—	14.1	45	Continuous sunshine.	
17	60	57	63.5	59.8	68.3	58.2	8.7	2.9	328	208	85	73	SW	5	E	13	6	3	—	11.7	49	● showers in evening.	
18	58	59	55.5	54.2	62.8	50.6	2.3	4.2	376	308	85	73	SW	5	E	13	6	3	—	0.4	41	Fine and sunny.	
19	49	50	59.9	55.2	60.0	50.3	6.4	1.4	334	395	65	91	—	1	—	3	10	10	—	8.7	52	Overcast.	
20	54	77	58.2	60.5	60.6	53.7	1.3	7.5	445	310	91	60	—	3	N	7	8	0	—	5.0	42	Fine and sunny.	
21	87	93	61.2	55.0	64.8	49.5	5.0	1.9	386	377	72	88	NNW	9	NNW	8	3	7	—	10.5	47	Fine and sunny a.	
22	93	92	65.2	54.0	67.2	52.0	7.2	0.9	389	418	62	100	NNW	11	N	19	0	0	—	5.6	42	Fine and sunny.	
23	29.90	29.95	67.1	66.0	70.8	53.5	5.8	7.8	461	385	70	61	N	12	N	5	0	0	—	10.4	51	Fine and sunny.	
24	30.03	30.08	70.0	63.2	74.6	56.8	13.2	9.0	319	371	48	55	E	14	NE	7	4	0	—	11.9	45	Fine and sunny.	
25	13	14	58.3	52.0	64.0	50.9	5.1	0.9	343	364	70	94	SE	6	—	2	0	0	—	13.8	46	Fine and sunny.	
26	14	30.10	57.0	52.0	64.0	47.0	3.0	1.0	377	361	81	93	S	4	—	2	0	5	—	8.6	44	Fine and sunny.	
27	30.02	29.97	64.6	56.5	70.0	51.3	3.8	11.2	478	202	79	44	NW	10	NW	9	0	0	—	5.6	44	Sunny intervals.	
28	29.92	87	59.2	56.0	67.2	52.5	1.2	2.2	464	386	93	86	S	4	WNW	8	5	10	—	0.1	53	Fine and sunny a.	
29	80	69	57.7	54.9	61.1	54.0	1.5	2.9	431	350	90	81	NW	8	W	9	10	10	—	0.1	53	Dull with ● at intervals.	
30	69	63	57.0	52.3	57.8	49.2	6.7	2.1	289	337	62	85	W	15	WSW	15	7	10	—	18	2.1	43	Dull.
31	29.39	29.47	55.0	53.5	60.1	51.8	0.2	1.4	427	370	99	90	WSW	24	WSW	10	10	10	—	0.7	5.1	49	● a.; fine later.
M.	29.778	29.789	55.4	52.2	59.9	47.6	4.5	3.6	328	308	74	78		11		10	5.5	5.5	3.12	236	42.0		

\* Miles per hour.

† Beaufort Scale (0-12).

## ARMAGH, a.—MAY 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 2
------	--	--	------------------	--	--	--	-----------	--	--	---	--	---------------------------	--	--------

## DUBLIN (PHOENIX PARK), a.—MAY 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.		°			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.										9 a.m.	9 p.m.	
1	ins.	ins.	51.4	55.9	61.9	40.7	2.5	2.8	.317	.369	83	83	W	8	5	9	9	.050	2.5	35	Cloudy.	
2	30.27	30.16	51.4	55.9	61.9	40.7	2.5	2.8	.317	.369	83	83	NNW	9	4	9	2	—	7.8	44	● a. and p.	
3	30.11	30.14	48.7	44.9	56.6	44.7	4.7	3.8	.237	.217	69	73	SW	13	6	8	1	.080	2.3	35	Cloudy, with ●.	
4	29.86	29.82	48.9	40.0	50.2	38.2	5.0	2.9	.235	.191	67	77	W	9	8	10	10	.095	6.9	32	● showers.	
5	48	45.5	45.4	52.4	35.4	4.8	3.6	205	.226	67	75	W	15	8	7	8	10	.190	6.6	41	△ showers.	
6	42	46	48.1	44.2	51.8	41.4	5.6	.0.9	.214	.270	64	93	WNW	15	8	5	10	.165	9.2	33	● showers.	
7	39	45	45.6	36.9	49.2	35.4	0.9	2.0	.286	.181	94	84	W	14	8	7	0	.090	10.4	33	△ showers.	
8	34	46	41.0	51.4	35.9	5.3	1.6	202	.223	65	87	W	13	WSW	6	6	4	.055	10.3	34	● showers.	
9	54	45	41.5	36.7	46.6	36.4	4.1	1.3	.182	.193	71	89	WNW	13	W	6	5	.020	5.9	29	△ showers.	
10	68	40.5	42.9	52.2	32.9	1.6	2.2	.219	.230	87	84	WNW	8	—	2	8	9	.005	14.2	33	● showers.	
11	29.82	29.98	48.4	39.9	51.5	36.7	4.1	0.9	.246	.227	73	93	W	6	—	0	9	7	—	1.2	33	Cloudy to overcast
12	30.06	30.00	53.9	37.6	57.5	31.1	6.2	1.7	.263	.193	63	85	SE	7	—	1	1	0	.005	24.7	33	Beautiful day.
13	29.75	29.61	45.4	48.9	49.3	29.9	4.3	0.9	.213	.323	71	94	NW	5	NNE	6	10	10	.170	—	25	Overcast, with ●.
14	54	66	50.0	50.1	55.1	46.9	1.3	3.3	.327	.281	91	78	NNE	8	E	7	10	10	—	5.5	46	Fine.
15	81	74	52.8	52.3	55.1	43.4	3.2	3.7	.316	.298	79	76	E	9	NE	10	5	3	—	4.3	39	Cloudy.
16	64	56	53.6	50.5	55.8	40.4	4.4	0.6	.297	.352	72	95	NE	6	—	3	9	10	.275	2.7	32	● showers.
17	62	71	52.0	48.8	61.6	45.7	0.3	1.0	.380	.321	98	93	NE	4	—	2	10	3	—	8.8	42	≡ n. Fine.
18	73	66	53.0	47.9	62.8	40.4	1.1	0.8	.371	.312	92	95	NE	5	—	0	10	5	—	7.8	37	Overcast, with ●.
19	54	45	50.5	50.9	51.8	43.5	1.6	0.7	.327	.355	89	95	NE	8	—	2	10	10	.450	—	32	● showers.
20	48	72	52.8	49.9	60.3	49.4	0.2	1.0	.394	.333	98	93	E	6	—	3	8	10	.295	5.1	38	● a. and p.
21	29.89	29.91	59.6	56.0	64.0	38.4	4.5	1.1	.376	.410	74	92	—	2	—	0	10	4	.235	3.2	49	● a. and p.
22	30.00	30.02	59.1	57.1	68.3	51.4	4.8	3.2	.361	.373	72	80	W	4	NNW	4	9	2	.008	12.4	35	Fine.
23	04	07	57.1	52.8	66.1	45.9	3.6	1.6	.363	.355	78	88	NNW	6	—	1	5	3	—	14.0	40	Fine.
24	12	14	55.2	49.6	61.5	43.9	2.5	1.2	.365	.324	84	92	NE	6	—	2	8	0	—	9.7	40	Fine.
25	18	15	56.6	45.4	59.8	43.6	4.1	1.5	.345	.269	75	89	NE	6	—	0	3	0	—	13.5	37	Beautiful day.
26	15	30.10	62.7	58.5	64.2	36.9	7.5	1.7	.345	.438	61	89	W	6	W	4	4	10	—	6.7	32	Bright a. Overcast p.
27	30.00	29.88	57.8	54.8	65.7	52.9	2.9	0.9	.394	.405	82	94	W	6	—	1	8	9	.050	2.0	50	● showers.
28	29.78	29.70	56.0	53.8	58.1	53.3	2.4	0.7	.381	.395	85	95	W	6	W	6	10	10	.085	—	48	Overcast, with ● showers.
29	53	54	57.6	47.9	59.8	47.0	3.1	3.5	.385	.253	81	77	SW	11	W	7	9	6	.011	3.3	51	Cloudy.
30	42	52	52.5	47.7	54.6	43.9	5.8	1.6	.256	.292	65	89	W	11	SW	9	8	7	.035	6.7	41	● showers.
31	29.06	29.33	57.6	47.7	59.8	46.4	4.9	2.8	.339	.266	72	81	SW	15	WSW	4	8	3	.095	7.6	43	● showers.
M.	29.745	29.742	52.2	48.0	57.3	41.8	3.6	1.8	.306	.298	77	87	8	4	7.5	5.7	2.459	198	38.2			

## BIRR CASTLE, KING'S COUNTY, a.b.—MAY 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	30.28	30.18	51.3	49.7	61.7	40.6	1.6	1.9	337	309	89	88	WNW	2	W	2	10	10	0.41	2.7	—	Cloudy and mild.
2	30.11	30.13	50.0	42.5	54.7	41.9	4.2	1.4	261	241	73	89	WNW	4	WNW	2	8	10	0.03	5.0	—	Cloudy.
3	29.83	29.82	45.9	41.9	51.8	36.4	2.6	2.9	252	208	82	79	WSW	2	W	3	10	10	0.220	2.8	—	● a. Cloudy.
4	48	44	45.7	44.9	51.8	35.8	3.8	2.0	226	253	73	86	WSW	4	W	2	7	10	0.094	2.9	—	Cloudy. ● n.
5	47	47	44.3	45.1	50.7	42.0	3.3	0.6	250	286	77	95	NW	4	W	2	8	10	0.200	5.3	—	Cloudy.
6	32	35	41.9	38.0	47.7	36.2	2.0	1.6	226	197	86	86	W	4	W	4	7	10	0.101	8.3	—	● showers.
7	41	47	44.2	42.5	50.6	35.8	3.1	1.2	224	246	77	90	W	4	NW	3	8	10	0.216	9.4	—	▲● showers.
8	58	65	42.0	37.8	46.6	35.4	1.9	0.8	227	210	86	93	W	5	W	3	4	8	0.102	7.6	—	▲ 10a. Cloudy.
9	71	76	44.3	44.5	51.7	35.2	3.1	2.3	225	242	76	83	NNW	5	NW	2	8	9	0.020	3.8	—	Cloudy and mild.
10	80	92	47.9	49.9	52.7	40.5	2.0	2.2	285	304	86	86	W	1	W	1	10	10	0.016	0.1	—	Overcast.
11	97	96	50.0	47.3	55.7	44.8	3.1	3.0	284	257	79	79	SSE	4	Calms	0	10	10	—	—	—	Overcast.
12	78	61	46.9	45.5	52.3	31.3	3.9	0.8	234	287	74	95	N	2	WNW	2	10	10	0.102	0.3	—	Overcast, with ●.
13	48	59	52.9	49.1	58.7	43.8	2.9	3.1	323	275	81	78	NNE	3	E	2	6	7	—	6.6	—	T 3p.
14	70	64	57.2	53.9	61.7	43.8	0.5	3.8	453	314	97	76	SE	3	E	3	4	6	—	7.8	—	Cloudy.
15	57	64	51.9	50.6	68.2	42.4	1.0	2.7	359	380	93	82	NE	1	ENE	4	10	1	—	6.7	—	Fine and warm.
16	68	60	62.0	58.5	70.3	46.8	3.7	2.5	436	414	79	84	NE	2	E	1	6	6	12.6	—	—	Fine and warm.
17	50	53	55.8	58.7	49.8	2.8	1.1	367	369	82	92	ENE	2	Calms	0	8	10	1	0.402	1.1	—	Overcast, with ●.
18	47	46	57.1	54.5	62.0	48.2	3.6	1.6	363	379	78	89	SSW	2	Calms	0	2	10	0.188	5.1	—	T ▲ shower 5p.
19	44	46	54.3	52.9	60.7	51.4	0.6	0.8	405	378	96	95	N	1	Calms	0	10	6	0.042	2.5	—	● a.
20	29.85	29.89	60.0	53.9	66.7	42.4	3.8	2.7	401	340	77	82	SW	2	NW	1	4	3	—	12.6	—	Fine, bright and warm.
21	30.00	30.01	56.7	56.6	67.7	44.8	2.7	6.7	381	286	83	63	NW	1	NW	1	3	4	—	10.2	—	Fine and warm.
22	05	02	52.9	57.1	67.8	47.4	1.2	2.0	367	407	92	87	NW	2	NW	2	8	7	—	8.9	—	Fine and warm.
23	08	08	57.9	57.9	70.1	45.8	2.9	2.7	394	400	82	83	N	1	Calms	0	6	4	—	10.8	—	Fine and very warm.
24	13	12	60.9	56.7	69.7	46.8	3.9	2.6	411	384	77	84	E	2	Calms	0	2	4	—	11.7	—	Fine and very warm.
25	30.01	29.90	50.7	55.1	68.7	53.8	1.7	1.2	409	399	89	91	NNW	2	NW	1	10	8	—	3.6	—	Cloudy and warm.
26	29.79	29.79	54.9	54.9	57.8	52.2	2.0	1.0	375	403	87	94	NW	2	W	3	10	10	0.028	8.2	—	Overcast, with ●.
27	52	54	55.5	47.1	56.7	47.1	1.1	2.2	409	272	93	84	WSW	2	W	2	10	8	0.032	3.1	—	● showers. — 6 p.
28	45	29	48.4	48.3	53.7	44.0	1.7	0.5	298	327	88	97	WSW	4	WSW	3	8	10	0.184	4.8	—	● showers.
29	29.05	29.31	54.7	46.9	55.8	45.8	2.6	2.4	355	265	83	84	WSW	4	W	2	7	6	0.022	9.0	—	● showers.
M	29.731	29.716	52.2	50.2	59.1	43.3	2.5	2.1	331	317	83	86	2.6	1.7	7.3	8.0	2.129	179	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MAY 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS.†					NORTH SHIELDS.†					GREAT YARMOUTH.†§						
Height of Cops above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cops above—Roof 8 ft., Ground 60 ft., M.S.L. 183 ft.					Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cops above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	Date.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	Date.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	23, 19	21, 18	23, 26	10, 11	24, 7	25, 10	25, 7	24, 7	26, 12	15, 16	31, 11	31, 10	31, 4	—	3	7. 50
3	24, 23	24, 18	22, 28	3	25, 10	32, 10	31, 7	31, 4	2, 13	10	—	2	—			

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡						HOLYHEAD.†§							
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.						Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.							
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	21, 10	18, 7	26, 12	17	28, 11	27, 16	25, 15	25, 13	—	24	15. 10	28, 14	27, 9	26, 10	26, 10	—	21	1. 50
2	5, 9	—	25, 11	5	28, 25	28, 34	29, 26	9, 6	—	41	12. 35	30, 21	29, 24	1, 21	31, 18	—	40	12. 20
3	21, 10	20, 9	22, 27	12	21, 12	21, 18	22, 30	26, 19	—	39	17. 55	18, 15	19, 22	25, 20	27, 25	—	38	23. 50
4	24, 14	25, 11	26, 16	11	27, 27	27, 28	24, 19	23, 11	—	38	7. 25	27, 23	27, 15	21, 10	19, 11	—	37	0. 10
5	26, 21	25, 9	26, 23	12	26, 30	25, 30	23, 28	21, 25	—	47	9. 30	25, 28	24, 24	21, 13	21, 15	—	45	7. 10
6	22, 19	22, 13	24, 21	9	24, 34	23, 34	21, 29	24, 28	—	51	2. 20	22, 27	21, 24	22, 22	24, 29	—	50	13. 50
7	22, 21	24, 11	23, 23	12	23, 36	23, 35	24, 26	25, 21	—	46	5. 10	22, 26	21, 21	25, 18	25, 12	—	45	1. 5
8	25, 13	25, 10	26, 15	12, 14	28, 24	26, 22	22, 10	30, 12	—	39	7. 20	27, 26	26, 19	26, 20	28, 21	—	41	5. 35
9	—	24, 4	24, 2, 4	14, 15, 16, 18	—	3, 28	14, 26, 8	—	22	15. 35	28, 15	30, 7	28, 10	28, 7	—	26	2. 5	
10	22, 6	23, 4	20, 22	6	2, 5	27, 8	26, 8	—	18	3. 30	28, 9	27, 5	30, 4	—	2	16	6. 5	
11	8, 9	4, 7	8, 10	14	—	1, 7	15, 6, 16	5, 15	—	25	13. 50	11, 10	27, 9	29, 8	32, 11	—	18	9. 5
12	8, 14	7, 4	8, 15	12	32, 11	6, 17	8, 18	8, 11	—	32	5. 55	31, 15	1, 21	29, 7	32, 7	—	40	10. 55
13	10, 17	9, 11	10, 19	12	9, 25	10, 28	11, 18	10, 11	—	40	13. 0	6, 27	8, 27	11, 12	8, 15	—	46	11. 45
14	8, 11	8, 11	8, 11	13, 18	6, 10	9, 15	8, 16	7, 14	—	25	17. 0	7, 12	7, 18	4, 21	7, 19	—	34	21. 25
15	—	2	4, 4	6, 7	—	3, 23	4, 4	9, 6	—	11	5. 5	1, 8	1, 7	1, 7	7, 4	—	28	0. 20
16	4, 4	—	3, 4	4	16, 6	2, 5	1, 11	6, 8	—	13	17. 35	8, 4	26, 4	3, 11	5, 11	—	25	19. 15
17	7, 7	5, 6	6, 9	17	7, 11	5, 13	8, 17	6, 12	—	24	17. 10	3, 6	2, 12	3, 15	6, 16	—	24	53. 50
18	2, 4	—	4, 7	1	7, 14	7, 10	18, 12	25, 4	—	23	0. 20	6, 19	7, 11	16, 11	17, 9	—	29	1. 20
19	5, 6	6, 5	1, 3, 6, 7	7	7, 20	6, 17	8, 15	8, 13	—	32	9. 25	8, 15	7, 13	4, 15	7, 11	—	25	16. 30
20	10, 12	24, 7	10, 12	13	8, 15	10, 17	25, 14	27, 8	—	30	7. 40	7, 18	18, 15	17, 12	17, 6	—	29	13. 15
21	22, 7	12, 5	20, 8	15	27, 12	25, 15	28, 7	21, 8	—	22	17. 5	12, 5	26, 7	26, 7	27, 6	—	14	22. 35
22	6, 4	—	8, 6	15	23, 8	25, 13	27, 8	23, 8	—	16	13. 0	28, 6	28, 11	29, 9	30, 15	—	24	20. 25
23	8, 7	6, 4	8, 2	7	27, 7	5, 12	8, 9	8, 10	—	23	14. 45	29, 9	30, 9	29, 7	30, 6	—	16	14. 15
24	5, 8	6, 7	5, 6	8	6, 15	6, 14	7, 21	7, 16	—	27	10. 30	31, 6	31, 9	1, 10	5, 15	—	23	23. 15
25	8, 5	—	8, 6	12	4, 7	28, 14	31, 12	5, 4	—	20	14. 25	4, 16	32, 13	1, 10	28, 5	—	26	8. 15
26	25, 9	22, 5	28, 18	21	22, 6	24, 13	27, 18	28, 17	—	31	23. 50	27, 4	30, 7	—	3, 26	—	16	12. 20
27	26, 10	25, 10	24, 12	15, 16	27, 19	25, 10	25, 14	24, 12	—	30	0. 5	26, 9	26, 7	26, 4	19, 7	—	19	23. 5
28	23, 10	23, 9	23, 10	12, 13	24, 18	24, 21	23, 17	22, 20	—	27	7. 50	20, 12	20, 10	19, 12	20, 10	—	26	6. 55
29	20, 10	20, 10	20, 12	17	21, 17	21, 15	20, 21	24, 20	—	39	17. 0	18, 15	18, 21	24, 18	23, 21	—	40	16. 5
30	22, 18	21, 13	22, 23	10	23, 33	22, 32	23, 27	22, 27	—	45	10. 35	20, 23	20, 21	22, 13	20, 14	—	38	9. 15
31	22, 13	23, 13	23, 18	16	18, 12	21, 20	25, 20	21, 18	—	40	13. 55	18, 18	24, 16	20, 9	20, 9	—	30	12. 5

GLASGOW.†					KINGSTOWN.†					ROCHES POINT.‡						
Height of Cops above—Roof 23 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.					Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	25, 12	25, 13	25, 13	18	25, 20	1, 7	25, 10	24, 22	23, 29	24	— 16	— 15	— 15	— 16	— 28	23. 55
3	26, 13	29, 12	26, 13	13	30, 18	29, 20	29, 14	28, 10	23, 30	1	— 27	— 21	— 20	— 15	— 42	8. 25
4	19, 18	26, 16	19, 18	13	16, 9	18, 10	25, 26	23, 18	25, 28	17	— 14	— 11	— 36	— 21	— 50	17. 25
5	25, 11	24, 12	25, 27	14	25, 22	26, 20	21, 17	20, 11	22, 28	3	— 21	— 16	— 23	— *	— 54	16. 55
6	26, 15	23, 15	23, 19	16	24, 32	24, 23	22, 18	23, 12	24, 33	7	— *	— 22	— 15	— *	—	—
7	24, 18	22, 15	22, 24	9, 13	23, 29	22, 29	22, 22	22, 30	22, 38	24	— *	— 27	— 27	— 19	— 60	13. 50
8	26, 15	26, 12	23, 20	7	23, 26	22, 21	24, 21	23, 23	22, 33	8	— 22	— 25	— 27	— 18	— 46	15. 20
9	25, 11	28, 10	26, 25	11	25, 26	24, 22	24, 21	25, 21	25, 29	10	— 30	— 34	— 34	— 30	— 62	12. 5
10	24, 7	27, 9	27, 10	17	26, 19	4, 11	—	0, 27	10, 22	8	— 24	— 23	— 21	— 19	— 43	9. 50
11	19, 4	20, 5	22, 6	14	27, 7	7, 5	14, 6	16, 7	22, 12	2, 6	— 3	— 4	— 4	— 4	— 17	2. 10
12	16, 8	26, 4	7, 11	22, 23	12, 12	12, 13	10, 5	—	2, 14	10, 12	— 15	— 9	— 7	— 2	— 18	8. 15
13	6, 14	7, 10	6, 15	12	28, 15	30, 13	30, 12	1, 11	28, 21	10	— 22	— 31	— 29	— 25	— 48	17. 20
14	7, 13	8, 10	6, 18	14	3, 7	8, 10	8, 21	8, 19	8, 21	12, 18	— 15	— *	— *	— *	— 33	7. 40
15	6, 7	6, 10	7, 11	4, 16	9, 8	6, 11	4, 21	4, 23	4, 23	21	—	— 21	— 12	— 4	— 37	23. 20
16	7, 11	7, 15	8, 7	15, 16, 18, 21	2, 12	2, 7	27, 4	10, 4	3, 14	8	— 11	— 11	— 9	— 3	— 26	1. 10
17	8, 12	6, 10	8, 12	12, 13	30, 4	—	3, 20	4, 31	6	4	— 11	— 18	— 14	— 13	— 32	15. 20
18	6, 16	6, 10	8, 16	13	31, 8	32, 7	27, 5	27, 5	2, 15	11	— 15	— 14	— 2	— 10	— 26	15. 40
19	6, 12	6, 13	7, 15	17	4, 13	4, 14	12, 7	15, 12	3, 17	12	— 5	— 8	— 14	— 13	— 21	18. 20
20	7, 13	7, 10	6, 14	12	9, 4	—	0, 32	6, 25	4, 15	14	— 1	— 3	— 2	— 0	— 20	0. 30
21	7, 15	7, 15	7, 18	12, 14, 16	28, 5	25, 7	22, 7	—	22, 13	17	— 10	— 11	— 10	— 2	— 24	14. 55
22	25, 6	7, 8	7, 9	18, 19	4, 4	11, 7	14, 4	—	2, 11	8	— 6	— 14	— 9	— 12	— 20	11. 15
23	6, 11	7, 13	7, 13	12, 14, 18	25, 12	27, 9	2, 10	1, 6	23, 18	4	— 10	— 13	— 0	— 10	— 20	22. 30
24	5, 9	7, 8	8, 10	14	27, 12	2, 9	30, 4	28, 5	24, 18	3, 4	— 20	— 14	— 12	— 10	— 24	5. 15
25	7, 4	8, 5	8, 5	18	31, 11	—	3, 2	28, 4	31, 11	9	— 6	— 6	— 2	— 0	— 18	9. 50
26	23, 10	24, 10	23, 15	14	—	—	—	—	—	—	— *	— 5	— 2	— 8	— 19	13. 50
27	25, 10	25, 10	26, 12	12, 16	26, 13	28, 11	22, 13	23, 12	23, 18	24	— 22	— 19	— 14	— 16	— 27	9. 45
28	23, 10	25, 14	25, 14	18	28, 12	24, 15	22, 6	—	2, 24	19	— 15	— 10	— 9	— 18	— 26	23. 30
29	19, 12	24, 18	24, 18	18, 19	23, 18	23, 18	22, 18	22, 16	23, 21	10	— 7	— 9	— 9	— 2	— 25	0. 5
30	23, 18	23, 18	23, 23	12	20, 14	21, 23	23, 29	22, 19	23, 29	18	— 9	— 23	— 28	— 21	— 42	16. 10
31	27, 10	26, 10	24, 12	19	23, 22	22, 29	21, 22	20, 13	22, 29	12	— 15	— 20	— 16	— 9	— 42	10. 10
					21, 15	25, 22	21, 15	21, 14	25, 22	13	— 22	— 18	— 9	— 11	— 34	8. 45

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.

\* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2. ‡ Dines Pressure Tube Anemometer.

§ The ground is a mound 300 by 130 feet, about 15 feet above the general level. Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—JUNE 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot. Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.										Percentage.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.															ins.	hrs.	°			
2	29.21	29.46	48.6	47.1	52.7	44.5	3.0	2.5	27.1	26.5	79	82	W	15	NNE	4	8	6	—	5.6	Overcast a. Fine p.	
3	54	50	50.6	47.3	55.1	42.5	3.0	0.7	29.4	30.9	80	95	SE	10	—	3	8	7	—	6.2	Fine.	
4	41	50	50.6	46.4	53.3	43.5	5.6	1.9	24.0	27.1	65	87	WSW	26	WSW	12	6	3	—	11.7	Squally a. Fine.	
5	57	29.78	50.6	43.4	52.0	42.5	5.2	3.0	24.8	21.9	67	77	NW	12	NNE	12	8	4	—	2.7	Fair a. Fine p.	
6	29.94	29.48	49.8	44.8	51.7	39.7	5.7	2.5	23.0	24.1	65	81	ENE	6	NE	7	3	5	—	8.6	Cir. in bands E. to W. Fine.	
7	30.19	30.07	49.4	45.6	52.1	41.5	4.7	1.4	24.5	27.4	69	90	NE	15	NE	9	4	0	—	15.9	Very fine.	
8	18	30.14	52.2	49.6	52.7	43.2	2.8	1.0	31.8	33.0	81	93	E	9	ESE	10	1	6	—	12.3	Very fine.	
9	30.07	29.93	53.1	49.6	56.1	48.5	2.4	2.7	33.9	28.9	83	82	ESE	12	SE	12	1	0	—	14.1	Very fine. P. Red sunset.	
10	73	68	55.3	51.4	56.3	48.6	3.5	1.0	34.2	35.3	78	93	SE	15	SSE	7	1	8	—	14.9	Very fine.	
11	76	66	52.6	49.8	55.8	49.8	1.4	2.5	35.8	29.5	90	83	N	13	NE	11	10	10	—	0.4	Dull and cloudy.	
12	66	62	50.8	49.8	58.5	49.5	0.0	0.1	37.1	35.0	100	99	NE	6	SE	6	10	10	10	10	4.5	≡ <sup>2</sup> till noon, and from 3p.
13	69	80	54.6	50.8	57.5	47.3	1.5	1.4	38.3	33.6	90	90	W	5	NE	10	10	8	—	1.2	≡ <sup>2</sup> early a. Cloudy.	
14	71	29.67	49.7	48.6	51.5	47.7	0.2	0.6	35.2	32.7	99	96	ENE	18	NNW	14	10	10	11	—	2.8	≡ <sup>2</sup> 8.30 a. till noon.
15	29.85	30.05	49.1	47.6	53.5	47.6	2.3	3.0	29.3	26.0	84	79	NW	18	NW	6	10	1	—	—	—	● showers early a.
16	30.14	18	55.9	49.4	58.5	43.5	5.3	1.5	31.0	31.5	68	90	S	6	SSE	5	3	1	—	14.2	Very fine.	
17	18	18	51.8	50.5	55.7	47.5	1.3	0.9	35.1	34.4	91	93	SSE	12	S	5	10	5	—	4.3	Fine.	
18	17	17	58.6	51.7	59.5	48.5	3.8	2.0	38.0	33.2	77	87	SE	6	ESE	5	2	7	—	14.1	Very fine.	
19	19	17	57.6	50.9	57.7	50.5	3.0	1.3	38.8	34.0	82	91	E	14	E	16	3	6	—	14.3	Very fine. ☉.	
20	16	30.17	51.9	50.4	54.3	48.8	4.3	3.8	28.1	27.4	73	76	E	15	SE	8	5	2	—	10.8	Very fine.	
21	30.04	29.87	55.6	51.8	56.6	48.5	3.2	1.0	35.4	35.9	79	93	SE	20	SE	22	2	7	—	3.3	Very fine a. Squally p.	
22	29.73	62	53.9	53.6	57.3	51.8	0.8	1.9	39.3	35.8	95	87	ESE	15	ESE	18	10	10	10	2.2	Dull a. ☉ 8.30 p.	
23	59	57	53.9	50.9	55.5	50.9	1.2	0.2	38.1	36.7	92	99	E	12	SE	4	10	10	10	0.7	Dull a. ≡ <sup>2</sup> from 3p. K	
24	58	55	53.4	51.3	55.5	50.7	0.7	0.5	38.8	36.5	95	97	ESE	12	N	7	10	10	10	—	—	☉ n. ≡ <sup>2</sup> till 7p.
25	50	50	52.6	51.6	56.3	49.3	3.4	0.9	38.6	35.8	97	94	NE	15	ENE	12	10	10	—	0.9	—	
26	51	47	51.4	48.4	52.3	48.3	0.6	3.8	29.0	25.2	77	75	NNE	17	N	24	10	10	—	0.4	Dull a. Squally p.	
27	37	20	47.8	44.3	50.5	43.5	3.4	0.9	25.4	27.0	77	93	N	25	NW	22	10	10	10	3.1	☉ showers a. ☉ showers 7p.	
28	10	16	49.3	46.8	52.7	43.5	1.7	2.2	30.8	26.8	88	84	WNW	18	W	10	9	3	0.65	2.6	☉ showers n. Fine after 3p.	
29	12	12	49.6	46.7	52.3	43.5	4.0	1.7	26.2	27.9	74	88	W	10	—	2	8	5	355	2.1	Inky blue clouds. ☉ p.	
30	12	14	50.7	48.1	52.8	45.3	3.9	1.0	27.5	31.1	75	93	W	7	NE	8	10	8	11	0.8	Cloudy, with ☉ showers.	
	29.17	29.21	49.4	45.8	50.5	45.7	1.8	2.2	30.7	23.9	88	84	NW	17	W	12	9	8	0.5	0.4	—	☉ showers n. and all day.
M.	29.705	29.713	52.0	48.8	54.6	46.5	2.8	1.7	32.0	30.6	82	88		13		10	7.0	6.3	1.070	176	—	

## TILLYPRONIE, ABERDEENSHIRE.—JUNE 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.	
							Dep. of Wet.		Vapour Pressure.										Percentage.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°	
2	28.24	28.40	49.0	45.6	53.5	37.0	4.0	0.8	.255	.288	73	94	NW	2	NE	2	9	9	Dull.
3	28.51	28.50	53.0	49.0	58.8	37.5	4.0	2.5	.299	.287	74	83	N	4	NE	2	2	4	36
4	28.49	28.52	51.2	48.4	57.0	36.9	4.2	4.2	.274	.244	73	72	SW	4	SW	2	2	4	33
5	28.55	28.52	49.0	44.2	54.5	37.3	5.2	3.2	.231	.222	66	76	W	2	NE	2	4	8	34
6	28.84	28.98	45.0	42.0	49.0	37.6	2.5	3.0	.243	.207	82	78	NE	4	NE	4	8	2	35
7	29.08	29.14	50.0	44.0	55.5	39.0	9.2	2.8	.173	.228	48	78	N	5	N	4	2	0	38
8	29.12	29.09	51.2	54.0	61.6	39.1	4.5	5.5	.268	.278	71	67	N	1	NE	2	8	0	36
9	29.03	28.92	61.0	54.2	67.2	42.5	9.5	6.7	.279	.257	52	61	E	4	SE	4	4	0	41
10	28.76	28.69	65.0	59.0	68.3	42.5	8.6	2.5	.352	.422	57	85	SE	4	SE	2	2	2	39
11	28.69	28.63	63.0	57.0	68.0	42.0	4.8	1.4	.420	.377	73	90	N	4	N	9	6	1	49
12	28.63	28.59	63.0	57.2	68.0	42.0	4.8	1.2	.430	.431	73	92	N	2	NE	1	4	4	51
13	28.65	28.61	63.0	54.5	70.8	48.0	8.0	2.9	.366	.345	59	81	NW	4	NE	5	2	9	43
14	28.66	28.66	63.0	51.2	62.6	40.5	4.9	1.0	.242	.350	93	85	N	1	N	4	10	9	49
15	28.86	29.06	50.0	48.0	55.8	45.2	1.6	0.8	.319	.314	89	94	NW	4	N	2	9	10	43
16	29.10	29.15	50.8	48.0	57.0	43.2	1.3	1.8	.339	.290	93	87	E	2	SE	2	8	1	43
17	29.12	29.13	60.6	53.6	63.0	41.8	5.1	1.4	.375	.372	72	90	SE	2	SE	2	4	3	39
18	29.07	29.03	55.2	55.8	69.0	40.5	7.2	1.8	.259	.393	59	88	SE	2	SE	1	0	2	42
19	29.08	29.09	51.4	49.0	57.1	47.5	1.1	1.7	.351	.305	92	88	SE	4	SE	4	9	8	37
20	28.99	28.86	57.1	51.4	58.0	45.3	3.1	1.4	.376	.343	80	90	SE	4	SE	4	8	9	47
21	28.67	28.57	52.5	52.0	56.0	48.6	0.5	0.3	.381	.380	96	98	SE	4	SE	2	9	9	44
22	28.56	28.56	56.7	51.0	62.0	46.5	3.2	1.8	.368	.328	80	87	SE	2	NW	2	8	7	47
23	28.54	28.56	52.5	51.0	58.2	44.0	1.3	0.9	.359	.351	90	94	NW	2	NE	1	9	6	43
24	28.47	28.44	55.0	52.0	63.0	44.5	1.8	1.8	.381	.340	88	87	NE	2	SE	1	6	5	41
25	28.45	28.43	51.3	43.5	59.4	42.3	2.9	1.5	.306	.249	80	88	NE	4	N	6	8	8	40
26	28.37	28.28	45.5	43.0	52.0	39.5	4.1	1.6	.218	.242	71	87	N	6	NW	6	7	8	42
27	28.21	28.21	48.0	45.4	52.5	39.2	2.8	2.8	.267	.242	80	80	NW	4	NW	4	9	8	37
28	28.12	28.10	47.0	46.3	53.0	36.3	3.0	0.9	.253	.293	79	94	W	2	SW	2	9	8	38
29	28.17	28.14	53.0	48.2	55.5	42.0	6.8	0.6	.242	.323	60	96	W	4	NW	2	5	10	34
30	28.18	28.25	48.2	45.1	54.0	41.8	2.2	1.1	.283	.274	85	91	N	4	NE	2	9	5	41
M.	28.677	28.687	53.7	49.8	59.5	42.8	4.1	2.1	.314	.309	75	85	3.2	3.0	6.5	5.5	1.37	—	40.5

## DUNDEE, FORFARSHIRE, c.d.—JUNE 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.

Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

1	29.32	29.46	55.0	52.5	63.0	39.5	3.2	4.0	344	294	80	74	SW	3	SW	1	5	10	—	—	Fine till 8p., then dull.
2	29.55	29.54	55.0	53.3	62.0	42.4	3.5	2.8	344	331	78	81	SW	1	SW	1	10	10	—	—	Fine 10a.—7p.
3	29.55	29.57	53.5	50.0	56.7	41.2	5.5	2.8	272	291	66	81	SW	5	SW	3	5	10	—	—	Cloud and sunshine. Dull from 10a.
4	29.60	29.74	50.5	45.0	55.2	44.2	2.7	1.0	299	275	82	92	NW	1	NW	1	10	10	—	—	Dull till 3p., then fine. [Fine]
5	29.87	30.03	49.5	44.2	54.2	40.9	3.5	3.4	270	218	76	75	E	5	NE	3	5	0	—	—	Cloud and sunshine till 10a.
6	30.10	30.12	55.0	52.2	63.9	41.5	4.5	4.0	321	290	72	74	NE	5	NE	5	0	0	—	—	Fine. Dull from 9p.
7	30.10	30.10	59.0	52.7	69.2	51.4	4.5	2.2	367	339	74	86	NE	3	NE	1	5	0	—	—	Cloud and sunshine. Fine.
8	30.04	29.93	66.5	52.0	68.6	48.8	8.5	2.8	376	315	58	81	SE	1	NE	1	5	5	—	—	Fine.
9	29.80	29.72	58.9	53.5	63.0	48.0	4.4	1.3	368	373	74	90	SE	1	SE	1	5	10	—	—	Fine to dull.
10	29.69	29.67	66.2	52.6	67.7	48.5	6.0	0.8	438	375	68	95	SE	1	SE	1	5	5	—	—	Fine.
11	29.63	29.64	64.5	56.0	70.2	50.8	4.5	1.5	454	405	75	90	SE	1	SE	1	5	5	—	—	≡ 0 to 9a. Fine all day.
12	29.69	29.76	66.2	52.2	77.8	50.0	6.3	1.2	429	358	67	92	SW	1	NE	3	5	5	12	—	Fine.
13	29.66	29.71	53.5	54.5	66.2	51.0	0.3	4.3	401	311	97	73	E	1	NW	1	10	5	—	—	6a.—9a., then fine.
14	29.91	30.09	55.8	50.0	58.9	47.6	3.3	0.5	355	348	79	97	S	1	SE	1	10	10	02	—	Dull and cloudy.
15	30.16	30.19	58.7	51.6	63.7	48.0	4.1	1.6	374	340	75	89	SW	1	SE	1	5	5	—	—	Cloud and sunshine. Fine.
16	30.20	30.20	59.6	53.0	65.2	47.0	3.7	3.2	397	317	78	79	SE	1	E	1	0	10	—	—	Fine till 4p., then dull.
17	30.20	30.20	59.4	51.0	62.3	47.2	3.9	1.4	390	338	77	90	SE	1	NE	1	0	5	—	—	Fine.
18	30.15	30.16	58.6	52.5	65.2	48.3	4.5	1.2	382	416	74	92	SW	1	SE	1	5	10	—	—	Fine till 5p., then dull.
19	30.16	30.16	58.6	52.5	65.2	48.3	4.5	1.2	382	416	74	92	SW	1	SE	1	5	10	—	—	Dull and cloudy.
20	30.08	29.88	53.7	53.0	59.5	51.0	0.7	0.9	392	383	95	95	SE	3	NE	3	10	10	07	—	Dull and cloudy.
21	29.65	29.59	56.0	53.2	56.0	51.8	1.2	0.4	413	394	92	98	E	3	NW	1	10	5	40	—	showers noon—5p. T 1p.—3p.
22	29.59	29.57	60.0	53.5	59.2	50.5	2.1	1.0	450	382	87	93	E	1	E	1	5	10	—	—	Cloud and sunshine.
23	29.58	29.55	55.2	51.6	65.0	47.0	1.2	0.9	401	358	92	94	SW	1	NW	1	10	5	03	—	≡ till 11a. T noon—3p.
24	29.49	29.40	53.2	50.0	63.3	46.4	0.9	1.0	380	419	94	93	SE	1	NE	3	10	10	—	—	≡ till 10a. Cloud and sunshine.
25	29.42	29.45	55.0	50.2	63.8	49.7	3.0	1.7	349	320	81	86	NE	5	NE	1	10	10	—	—	Cloud and sunshine till 4p.
26	29.41	29.33	53.8	49.8	58.2	46.5	7.8	3.6	232	271	56	76	N	8	SW	1	5	10	05	—	≡ till noon. showers 2p.—3p.
27	29.26	29.25	52.5	52.2	59.2	47.0	4.7	4.9	278	270	70	70	NW	1	W	1	10	10	03	—	Fine, then cloudy.
28	29.15	29.13	48.5	49.0	55.3	44.5	1.0	0.5	316	335	93	97	NE	1	SE	1	10	10	01	—	Dull. from 8a. till night.
29	29.22	29.19	54.0	52.6	61.5	47.0	3.0	2.3	334	335	80	84	SW	1	SW	3	10	10	04	—	Dull till 10a. Fine till 3p.
30	29.21	29.30	55.0	52.2	58.9	48.0	4.5	2.4	314	328	73	84	NW	1	NW	1	10	10	04	—	Dull and cloudy.
M.	29.714	29.718	56.8	51.9	62.7	47.2	3.7	2.0	361	336	78	86	2.0	1.5	6.8	7.7	1.35	—	—	—	—

† Beaufort Scale (0—12).

## GLASGOW, LANARKSHIRE, a.—JUNE 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.

Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.	Vapour Pressure.		Percentage.													
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.	Min.	Temp.		
1	ins.	ins.							in.	in.	%	%	SW	10	SW	4	9	ins.	hrs.	°	°		
2	29.32	29.43	48.2	50.0	58.3	46.1	0.6	0.1	274	284	82	79	SW	4	W	4	10	—	5.7	41	°		
3	52	56	53.2	50.1	62.2	42.8	5.8	5.1	263	244	65	67	SW	12	SW	16	10	—	5.5	34	°		
4	56	56	51.6	48.8	56.1	43.5	4.2	1.8	279	300	73	87	SW	12	SW	16	10	0.15	—	36	°		
5	55	69	50.6	49.4	58.3	46.6	4.0	3.9	268	262	74	74	E	6	E	11	10	—	1.5	44	°		
6	29.80	29.96	52.2	46.8	56.5	43.9	5.9	5.2	250	210	65	66	E	13	E	13	10	3	—	8.4	37	°	
7	30.04	30.05	53.2	54.4	63.1	43.0	6.9	5.4	242	285	60	67	ENE	13	NE	8	2	3	163	14.4	38	°	
8	30.06	30.03	53.5	54.0	66.8	49.3	3.1	3.3	326	327	79	78	E	11	E	10	9	4	—	10.6	47	°	
9	29.94	29.68	61.7	56.4	68.0	50.3	8.3	4.5	313	333	57	73	ENE	12	E	12	7	10	—	7.7	45	°	
10	74	68	60.0	61.6	70.1	51.4	4.8	3.9	374	423	72	78	E	8	E	4	9	6.00	0.18	6.2	50	°	
11	65	64	63.2	59.0	73.3	51.3	3.8	2.1	353	433	78	87	—	2	E	7	9.00	3	2.12	4.2	47	°	
12	63	64	59.4	58.2	70.8	55.3	2.6	7.7	425	284	85	58	—	2	W	6	10.00	2	—	9.7	53	°	
13	70	67	60.3	57.2	69.4	47.3	5.3	5.8	366	311	70	66	W	4	E	14	4	6	—	11.4	39	°	
14	62	29.76	59.2	49.9	62.4	49.9	3.9	3.1	386	284	77	80	NE	7	W	12	7.00	8	—	5.7	47	°	
15	29.90	30.05	55.2	51.5	59.6	48.4	4.6	4.8	315	265	72	70	W	11	WNW	5	9	1	—	7.5	49	°	
16	30.12	14	54.3	56.8	62.6	44.0	5.0	1.6	293	414	70	89	—	3	SW	4	10.00	3	—	2.1	34	°	
17	16	13	59.7	59.6	67.9	50.5	3.0	4.8	419	369	82	72	—	2	E	7	9.00	10.00	—	0.3	44	°	
18	13	09	61.5	57.0	70.2	52.5	6.2	4.2	360	346	66	74	E	5	E	9	4.00	0	—	12.8	49	°	
19	30.05	30.10	63.5	54.9	68.6	54.2	5.1	2.1	420	372	71	87	NE	4	WSW	4	9.00	10	—	6.4	41	°	
20	29.99	29.76	57.0	58.9	67.9	52.9	1.6	2.4	417	423	89	85	ENE	8	E	13	10	10	270	1.2	46	°	
21	51	58	55.9	50.7	65.8	55.0	0.8	2.1	423	398	95	87	ENE	15	—	3	10.00	3	0.84	4.0	52	°	
22	56	53	58.6	56.8	62.3	49.5	3.2	3.3	398	367	80	79	—	2	—	2	9	7.00	1.36	3.3	43	°	
23	54	52	59.7	57.2	69.1	50.2	4.4	3.5	380	367	74	78	WSW	4	—	3	7	3	—	12.3	42	°	
24	40	32	58.2	56.4	62.2	50.8	3.9	1.5	372	410	77	90	E	9	E	10	9	10	4.10	4.1	44	°	
25	37	42	58.8	53.5	64.1	53.5	5.0	5.9	352	264	71	64	E	8	NE	8	9	7	—	3.6	52	°	
26	42	34	53.5	50.1	59.9	44.6	7.1	4.6	242	254	59	70	N	5	NW	12	7	9	—	9.4	35	°	
27	28	24	49.9	51.3	57.8	47.5	3.6	4.5	273	269	76	72	W	12	W	8	9	10	2.04	5.1	42	°	
28	10	13	48.5	50.4	59.1	46.7	0.8	2.4	321	305	94	84	E	4	W	7	10.00	10	0.50	5.0	46	°	
29	24	19	53.1	52.0	59.1	46.0	5.5	2.3	268	328	66	84	W	8	W	10	9	10	0.12	4.6	42	°	
30	29.23	29.32	52.3	51.9	60.1	50.1	2.9	3.9	317	289	80	75	NW	7	W	9	10.00	8	0.84	2.4	45	°	
M.	29.673	29.679	56.2	54.3	64.0	48.9	4.3	3.8	339	326	74	76	7	8	8.5	6.4	2.114	175	43.9				°

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JUNE 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

## DOUGLAS, ISLE OF MAN, a.—JUNE 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—JUNE 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar, -12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +.023 in.

## HILLINGTON, NORFOLK, a.b.—JUNE 1910.

Height above Mean Sea Level, 89 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.020 in.

\* Miles per hour.

† Beaufort Scale (0—12).

## SHREWSBURY, SHROPSHIRE.—JUNE 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.					Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.				
								Dep. of Wet.		Vapour Pressure.		Percentage.												
			9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.			
1	29.40	29.43	ins.	ins.	55.9	55.0	58.0	48.9	4.9	1.3	318	395	70	91	SW	2	SE	1	9	8	ins.	—	46	• till 6p.
2	49	59	55.9	54.8	68.0	68.0	52.0	4.0	3.3	380	340	76	79	SSW	2	W	2	9	0	—	—	48	Cloudy a., then bright.	
3	64	59	59.0	53.0	66.0	66.0	41.0	4.2	2.0	346	347	74	86	WSW	2	NW	1	9	0	—	—	36	Bright and very close.	
4	46	47	54.9	53.3	61.1	45.0	2.8	0.3	353	398	82	98	NNW	2	NW	1	10	10	20	—	42	Overcast. • p. T		
5	58	67	54.9	51.5	58.6	48.4	3.0	2.7	349	312	80	82	NNW	2	NE	2	9	10	02	—	48	Overcast. • showers. 6p.-7p.		
6	76	80	57.0	59.2	71.0	48.4	5.6	3.2	313	405	67	81	NE	2	NE	2	9	10	—	—	48	Cloudy, then bright.		
7	81	82	59.7	62.0	73.2	54.9	2.7	2.0	427	487	84	88	NNE	1	SE	1	10	10	20	—	56	T a. R 4p. and 11p. • 4.20p.		
8	82	75	58.5	62.0	69.9	54.9	1.3	1.3	449	510	91	92	SE	2	SE	1	10	4	08	—	56	Overcast a. T a. and p.		
9	70	66	64.0	59.9	73.5	57.3	2.0	2.7	525	430	88	84	SE	1	NW	1	8	9	12.5	—	56	T a. • 4.30p. R 4.40p.		
10	59	54	60.0	62.3	66.3	54.0	2.0	1.7	453	503	88	90	NW	1-2	W	1	9	10	01	—	54	T a. and p. Very close.		
11	58	63	62.5	58.0	68.8	57.0	2.6	1.0	477	451	84	93	NW	1	NNW	2	10	8	—	—	58	Cloudy.		
12	67	65	64.5	61.0	73.0	55.0	5.5	4.0	424	410	70	77	NNW	2-3	NW	2-3	6	4	—	—	57	Fine and bright.		
13	66	29.81	61.0	52.0	65.8	52.0	4.0	4.0	410	287	77	74	NW	3	NW	2-3	9	1	—	—	51	Cloudy a., then bright.		
14	29.98	30.08	56.0	51.0	63.5	43.1	7.2	3.8	270	281	59	75	NW	3-4	WNW	1	4	3	—	—	35	Fine and bright.		
15	30.13	12	61.6	59.8	70.0	46.0	6.6	2.8	351	426	64	83	S	2-3	NW	1	7	3	—	—	42	Cloudy a., then bright.		
16	12	07	63.0	56.0	69.0	49.9	4.2	3.0	437	365	76	81	S	2	SE	1	3	7	—	—	47	Fine and bright.		
17	11	07	55.9	59.1	70.3	42.1	5.0	2.1	317	435	70	87	SSW	2	SE	1	7	0	—	—	40	Bright and very warm.		
18	11	06	58.0	63.1	80.0	49.5	6.7	2.7	452	486	66	83	SSW	2-3	NW	1	10	8	—	—	44	Bright and very warm.		
19	30.06	30.04	68.1	63.1	80.0	49.5	6.7	2.7	452	486	66	83	SSW	2-3	NW	1	2	5	—	—	48	Bright and very warm.		
20	29.96	29.73	67.0	66.5	79.0	52.0	5.4	5.5	471	458	71	70	SE	3	SW	2	2	7	—	—	50	Bright and very warm.		
21	55	62	69.0	58.0	70.3	52.0	7.1	3.3	454	385	64	80	SSW	4	WSW	2	5	8	—	—	74			
22	59	57	58.1	55.0	67.8	50.3	4.4	1.0	359	403	74	93	NNW	2-3	WSW	1	8	7	18	—	46	R 11a. • showers from 5.30p.		
23	59	57	62.1	57.6	69.0	46.9	6.1	4.1	371	359	67	76	WSW	2-3	WSW	1	5	9	35	—	44	Dull. • from noon.		
24	39	31	57.0	57.0	66.4	52.9	0.2	2.0	459	405	99	87	SE	2	WNW	2	10	10	13	—	53	• showers.		
25	24	30	62.0	54.1	69.7	48.0	5.8	1.5	377	376	68	89	SE	1	NW	1	7	10	03	—	46	Bright a. • showers p.		
26	39	44	53.3	51.1	58.9	46.5	5.5	4.0	270	265	66	71	NW	2-3	NW	3	9	6	—	—	50	Dull.		
27	43	36	53.8	55.0	60.2	48.3	4.0	2.1	308	372	75	86	NW	3-4	SW	1	9	10.0	07	—	45	Dull. • showers from 8p.		
28	31	30	58.9	54.3	64.3	53.8	5.5	2.9	341	341	68	80	WSW	4	WSW	5-6	7	5	—	—	53	Dull. • showers from 7p.		
29	35	28	57.3	51.4	63.2	51.0	4.3	1.4	348	343	74	90	WSW	4	WSW	4	8	10	19	—	49	• shower noon. Cloudy.		
30	29.27	29.40	55.3	53.0	57.5	48.9	2.4	1.8	369	352	84	87	WNW	3	W	2	9	6	16	—	49	• showers.		
M.	29.657	29.657	59.5	57.0	67.5	50.0	4.2	2.6	387	392	75	84		2.4	1.7	7.6	6.7	1.805	—	48.4				

## CAMBRIDGE, a.—JUNE 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +.019 in.

1	29.62	29.67	58.7	54.4	67.4	46.0	5.0	2.2	352	362	71	85	SW	4	Calm	0	6	Sunny intervals.		
2	73	78	59.0	56.7	68.0	48.0	1.5	1.7	452	409	91	89	S	1	S	1	100	• 8a.-11a. Cloudy.		
3	84	76	61.8	52.2	69.0	46.0	7.3	1.5	337	350	62	91	W	2	Calm	0	2	Fine.		
4	63	65	59.2	54.9	64.2	43.0	3.2	3.1	405	347	81	80	SE	1	NE	2	100	Overcast most of day.		
5	69	78	58.0	54.0	60.0	49.0	3.0	2.1	393	357	81	85	NNE	4-5	N	4-5	10	Gloomy.		
6	85	29.89	60.9	56.0	65.0	50.0	5.0	1.0	382	419	72	93	N	5-6	N	3-4	9	Sunny 5.30a.-3.30p.		
7	29.93	30.01	64.7	62.5	78.0	54.0	2.7	2.0	514	497	84	88	N	2	NE	2	10	Overcast, then fine. R <sub>p</sub> .		
8	30.00	29.92	61.3	66.0	76.0	55.5	1.4	2.0	496	564	91	88	NW	1	Calm	0	10	R <sub>p</sub> early. Misty a. Fine.		
9	29.88	27.60	63.3	65.4	76.0	55.0	0.8	2.4	497	533	95	86	N	2	Calm	0	10	Misty till noon. T. - 7p.		
10	69	69	58.2	57.9	65.9	54.5	0.3	0.4	476	468	98	98	NNW	4	NNW	3-4	100	Misty. • 3p.-4p.		
11	71	78	57.0	60.8	65.5	54.9	0.5	1.3	450	490	97	92	NW	1	Calm	0	100	Gloomy most of day.		
12	78	78	65.8	59.8	70.0	57.5	4.3	0.7	483	492	77	96	NW	2	Calm	0	10	Overcast. • at times p.		
13	29.76	29.91	63.0	55.0	70.9	55.0	3.0	0.0	474	349	82	81	W	2	WNW	3	10	Overcast most of day.		
14	30.09	30.22	57.4	55.0	67.0	44.3	6.1	4.0	308	325	65	75	WNW	4	NW	3	6	Sunny 4.30a.-7p.		
15	30	31	59.0	54.0	66.9	44.0	4.3	1.0	372	388	75	93	E	2	Calm	0	8	Fine.		
16	32	26	58.0	53.1	66.3	42.0	5.2	3.0	337	324	70	80	SE	1	N	3	8	Sunny 5.30a.-7p.		
17	26	26	55.5	58.3	68.0	46.0	3.4	1.8	347	432	79	88	NNE	2	N	3-4	10	Gloomy till 11.30a.		
18	31	27	57.2	60.3	75.2	54.0	1.9	3.2	412	422	88	81	E	1	E	2	10	Overcast till 10a.		
19	23	30.18	70.0	63.2	80.0	51.2	8.0	4.2	446	441	61	76	SSW	3	Calm	0	200	Sunny 6.30a.-7.30p.		
20	30.15	29.99	72.1	62.0	80.0	52.0	8.6	3.3	468	447	59	81	SSE	3	SE	3-4	0	Sunny 5.30a.-7.30p.		
21	29.78	29.79	69.3	61.8	76.3	58.0	6.3	3.8	483	429	67	78	S	4	Calm	0	9	Fine.		
22	78	76	61.0	56.5	68.1	52.0	4.0	2.7	410	379	77	83	WSW	2	SW	1	10	Cloudy.		
23	78	76	61.0	58.8	71.0	52.0	5.0	3.0	383	405	72	82	WSW	1	SW	1	9	Cloudy.		
24	62	50	60.0	58.0	68.0	53.1	3.1	2.2	420	415	81	86	SE	4	SW	2	10	• 10a.-0.30p. • 2.30p.-4p.		
25	40	39	63.9	56.0	67.9	53.1	5.7	0.5	410	434	68	97	SW	3-4	N	2	9	Overcast most of day.		
26	48	56	54.8	51.4	59.0	48.3	4.7	1.9	306	331	72	88	NW	4	WNW	1	9	Gloomy most of day.		
27	60	61	54.4	56.1	60.0	44.9	3.4	2.4	330	382	78	84	W	3	SW	4-5	10	Fine, but squally.		
28	49	54	63.1	58.3	67.7	53.5	4.8	5.3	422	338	73	69	WSW	5	SW	5	9	Occasional • showers.		
29	57	51	61.0	55.8	66.0	51.0	6.0	1.3	358	408	67	92	SW	5-6	S	2-3	8	Overcast. R noon.		
30	29.43	29.55	53.8	52.9	61.9	49.9	1.3	1.9	378	348	91	87	WSW	2-3	SW	3	10			
M.	29.823	29.828	60.6	57.6	68.8	50.6	4.0	2.3	410	410	78	86		2.8	1.9	8.5	5.8	1.52	192	46.4

† Beaufort Scale (0—12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—JUNE 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	55.5	54.7	61.2	49.2	2.9	1.1	358	396	81	92	S	1	S	1	10	0	ins.	hrs.	°		
2	29.45	29.45	55.5	54.7	61.2	49.2	2.9	1.1	358	396	81	92	S <td>1<td>S<td>1<td>10</td><td>0</td><td>—</td><td>1.5</td><td>45</td><td>Pleasant day.</td></td></td></td>	1 <td>S<td>1<td>10</td><td>0</td><td>—</td><td>1.5</td><td>45</td><td>Pleasant day.</td></td></td>	S <td>1<td>10</td><td>0</td><td>—</td><td>1.5</td><td>45</td><td>Pleasant day.</td></td>	1 <td>10</td> <td>0</td> <td>—</td> <td>1.5</td> <td>45</td> <td>Pleasant day.</td>	10	0	—	1.5	45	Pleasant day.	
3	54	61	58.9	53.7	66.2	52.3	3.1	1.8	403	362	81	88	S <td>3</td> <td>Calm</td> <td>0</td> <td>7</td> <td>0</td> <td>—</td> <td>2.2</td> <td>8.3</td> <td>46</td> <td>Pleasant day.</td>	3	Calm	0	7	0	—	2.2	8.3	46	Pleasant day.
4	70	68	58.9	52.9	66.0	47.1	5.3	2.3	360	339	69	84	SW	1	SW	3	5	0	—	14.3	40	Glorious day.	
5	44	47	58.5	57.9	67.4	47.4	2.7	2.6	409	403	83	84	SW	1	SW	3	9	3	—	4.0	40	Pleasant day.	
6	52	67	59.7	57.5	62.2	51.2	4.6	5.9	375	313	73	66	SE	3	SE	3	9	10	17	0.9	49	Bright, but gusty morning.	
7	72	73	60.0	58.7	70.4	49.3	4.6	2.1	379	428	73	87	NW	4	NW	4	7	10	105	7.7	48	[11.30p.	
8	80	80	57.5	62.7	69.4	54.5	0.5	1.4	452	520	96	91	NW	1	NW	2	10	10	45	1.3	54	12.30a. and 8.30p.	
9	84	73	61.0	63.3	73.6	57.5	0.9	1.3	505	535	94	92	Calm	0	Calm	0	10	10	56	5.5	56	Oppressive day.	
10	71	61	65.0	63.7	69.4	58.5	3.5	1.7	492	529	80	89	S <td>1</td> <td>Calm</td> <td>0</td> <td>10</td> <td>7</td> <td>30</td> <td>0.7</td> <td>57</td> <td>Oppressive day.</td>	1	Calm	0	10	7	30	0.7	57	Oppressive day.	
11	54	52	65.5	61.7	64.0	56.5	0.5	0.4	457	537	96	98	W <td>1</td> <td>Calm</td> <td>0</td> <td>10</td> <td>10</td> <td>23</td> <td>—</td> <td>54</td> <td>Wet day.</td>	1	Calm	0	10	10	23	—	54	Wet day.	
12	58	61	60.0	62.7	67.4	58.5	0.5	1.2	501	528	95	93	Calm	0	Calm	0	10	10	—	—	57	Dull day.	
13	69	69	59.5	60.7	73.9	56.0	1.6	2.2	457	459	90	86	Calm	0	Calm	0	10	10	—	4.7	56	Dull a.	
14	29.68	29.81	61.9	55.7	68.2	51.3	2.9	4.3	457	327	82	73	W <td>1</td> <td>W<td>1</td><td>8</td><td>0</td><td>—</td><td>6.0</td><td>48</td><td>Bright a.</td></td>	1	W <td>1</td> <td>8</td> <td>0</td> <td>—</td> <td>6.0</td> <td>48</td> <td>Bright a.</td>	1	8	0	—	6.0	48	Bright a.	
15	30.00	30.10	57.7	53.7	65.4	44.3	5.6	3.6	323	318	68	77	NW <td>1</td> <td>Calm</td> <td>0</td> <td>4</td> <td>0</td> <td>—</td> <td>15.0</td> <td>38</td> <td>Glorious day.</td>	1	Calm	0	4	0	—	15.0	38	Glorious day.	
16	16	11	60.3	59.2	69.0	43.8	5.2	1.9	367	443	70	88	SW <td>1</td> <td>S<td>1</td><td>5</td><td>0</td><td>—</td><td>6.1</td><td>41</td><td>Pleasant day.</td></td>	1	S <td>1</td> <td>5</td> <td>0</td> <td>—</td> <td>6.1</td> <td>41</td> <td>Pleasant day.</td>	1	5	0	—	6.1	41	Pleasant day.	
17	13	10	62.9	59.7	65.4	54.5	5.4	5.1	401	362	70	78	NE <td>1</td> <td>NE<td>1</td><td>3</td><td>3</td><td>—</td><td>7.1</td><td>51</td><td>Very pleasant day.</td></td>	1	NE <td>1</td> <td>3</td> <td>3</td> <td>—</td> <td>7.1</td> <td>51</td> <td>Very pleasant day.</td>	1	3	3	—	7.1	51	Very pleasant day.	
18	11	11	54.7	58.0	65.4	46.3	3.1	3.6	343	377	80	78	SE <td>1</td> <td>NE<td>1</td><td>8</td><td>0</td><td>—</td><td>11.4</td><td>41</td><td>Cool wind.</td></td>	1	NE <td>1</td> <td>8</td> <td>0</td> <td>—</td> <td>11.4</td> <td>41</td> <td>Cool wind.</td>	1	8	0	—	11.4	41	Cool wind.	
19	30.08	30.06	68.1	64.0	77.6	52.2	3.9	3.5	443	457	77	79	SE <td>1</td> <td>SW<td>1</td><td>0</td><td>0</td><td>—</td><td>10.5</td><td>47</td><td>Very pleasant day.</td></td>	1	SW <td>1</td> <td>0</td> <td>0</td> <td>—</td> <td>10.5</td> <td>47</td> <td>Very pleasant day.</td>	1	0	0	—	10.5	47	Very pleasant day.	
20	29.94	29.70	67.5	65.0	78.2	56.0	7.0	4.1	543	473	66	77	SW <td>1</td> <td>E<td>1</td><td>0</td><td>0</td><td>—</td><td>15.0</td><td>47</td><td>Very pleasant day.</td></td>	1	E <td>1</td> <td>0</td> <td>0</td> <td>—</td> <td>15.0</td> <td>47</td> <td>Very pleasant day.</td>	1	0	0	—	15.0	47	Very pleasant day.	
21	59	66	66.5	57.9	71.2	57.5	4.6	1.3	485	439	75	91	W <td>3</td> <td>S<td>1</td><td>3</td><td>8</td><td>—</td><td>13.9</td><td>52</td><td>Very pleasant day.</td></td>	3	S <td>1</td> <td>3</td> <td>8</td> <td>—</td> <td>13.9</td> <td>52</td> <td>Very pleasant day.</td>	1	3	8	—	13.9	52	Very pleasant day.	
22	59	63	63.7	56.5	65.4	53.0	6.2	2.9	393	373	67	82	S <td>1</td> <td>S<td>1</td><td>5</td><td>10</td><td>04</td><td>9.2</td><td>47</td><td>Stormy day.</td></td>	1	S <td>1</td> <td>5</td> <td>10</td> <td>04</td> <td>9.2</td> <td>47</td> <td>Stormy day.</td>	1	5	10	04	9.2	47	Stormy day.	
23	43	62	60.0	66.6	53.5	4.3	2.5	433	437	75	84	S <td>2</td> <td>S<td>1</td><td>6</td><td>10</td><td>13</td><td>4.3</td><td>51</td><td>Wet day.</td></td>	2	S <td>1</td> <td>6</td> <td>10</td> <td>13</td> <td>4.3</td> <td>51</td> <td>Wet day.</td>	1	6	10	13	4.3	51	Wet day.		
24	42	34	58.2	55.7	65.8	54.5	1.5	1.1	447	412	90	92	S <td>1</td> <td>S<td>1</td><td>10</td><td>9</td><td>34</td><td>4.6</td><td>52</td><td>Very wet a., pleasant later.</td></td>	1	S <td>1</td> <td>10</td> <td>9</td> <td>34</td> <td>4.6</td> <td>52</td> <td>Very wet a., pleasant later.</td>	1	10	9	34	4.6	52	Very wet a., pleasant later.	
25	19	22	59.7	50.9	63.6	53.3	2.0	0.4	437	451	88	97	S <td>1</td> <td>SW<td>1</td><td>10</td><td>08</td><td>2.8</td><td>50</td><td>0. a. • 2 evening.</td></td>	1	SW <td>1</td> <td>10</td> <td>08</td> <td>2.8</td> <td>50</td> <td>0. a. • 2 evening.</td>	1	10	08	2.8	50	0. a. • 2 evening.		
26	37	42	57.7	54.5	60.4	47.5	5.8	2.6	319	353	67	82	SW	4	NW	1	10	7	—	7.0	45	Dull and threatening.	
27	50	45	56.0	55.2	63.2	47.4	3.4	1.6	353	388	79	89	S <td>1</td> <td>SW<td>1</td><td>9</td><td>10</td><td>03</td><td>0.2</td><td>43</td><td>Stormy day.</td></td>	1	SW <td>1</td> <td>9</td> <td>10</td> <td>03</td> <td>0.2</td> <td>43</td> <td>Stormy day.</td>	1	9	10	03	0.2	43	Stormy day.	
28	39	42	61.5	55.0	64.7	54.7	4.8	0.4	397	421	73	97	SW	3	SW	3	10	8	09	6.5	52	Dull and threatening.	
29	41	31	60.7	56.5	63.7	51.0	5.1	1.9	375	401	71	87	SW	3	SW	3	8	8	08	7.9	46	Dull and threatening.	
30	29.32	29.52	54.5	54.0	59.8	50.3	0.7	0.9	404	391	95	93	W <td>2</td> <td>SW</td> <td>2</td> <td>10</td> <td>10</td> <td>—</td> <td>1.0</td> <td>46</td> <td>Dull and threatening.</td>	2	SW	2	10	10	—	1.0	46	Dull and threatening.	
M.	29.673	29.671	60.6	58.4	67.3	52.0	3.6	2.3	420	422	79	86	1.5	1.2	7.2	5.8	3.07	185	48.3				

## SOUTHAMPTON, HAMPSHIRE, a.—JUNE 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +0.16 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.						
																			Dep. of Wet.		Vapour Pressure.		Percentage.	
9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.								
1	ins.	ins.	55.0	56.5	63.1	51.9	0.7	2.4	in.	in.	%	%	†	†										
2	29.61	29.66	55.0	56.5	63.1	51.9	0.7	2.4	in.	in.	%	%	†	†	ins.	hrs.	°	● 8.30a.—10a.						
3	70	79	60.2	54.4	65.1	52.8	4.9	2.3	375	359	72	85	SW	3	SW	2	10.0	● 4.30a.—6a. ☁ p.						
4	85	76	62.5	54.0	68.5	46.9	4.5	3.9	420	312	74	75	SW	3	SW	2	10.0	Fine and warm. ☁ p.						
5	59	55	61.0	59.0	67.1	45.0	6.0	5.0	358	354	67	71	SW	3	SE	2	10.0	Fine. Cloudy n.						
6	58	68	61.2	58.2	64.1	53.0	4.4	1.6	403	436	76	90	NE	6	NE	5	10.0	☁ 11a.—2p. K <sup>2</sup> from 8.45p.						
7	76	83	53.7	59.3	70.1	51.4	0.8	2.4	390	429	94	85	NE	5	NE	4	10.0	☁ 1a.—10a. K <sup>2</sup> ▲ 2.11p.						
8	91	96	60.1	59.9	70.3	55.9	1.6	1.3	468	474	90	93	NE	2	SW	2	10.0	Dull and close.						
9	95	90	62.2	63.0	74.1	55.7	1.8	3.6	497	455	89	79	SE	1	SW	1	10.0	☁ n. Fine but close.						
10	82	75	68.0	63.5	72.3	58.8	4.1	3.4	531	470	88	80	NW	1	NW	1	10.0	☁ n. K <sup>2</sup> 9p.—midnight.						
11	67	75	62.5	61.0	67.1	60.7	1.4	1.0	517	503	92	94	NE	2	SW	1	10.0	K <sup>2</sup> 2.15p.						
12	79	77	64.7	65.2	75.8	58.4	1.8	2.2	546	541	89	87	NW	1	NW	2	10.0	Overcast and close.						
13	29.80	29.94	62.5	56.0	69.1	55.3	4.7	5.4	415	308	73	68	NW	3	NW	4	10.0	Bright midday. T 2.30p.—3p.						
14	30.12	30.21	59.2	57.1	69.1	44.8	3.1	3.8	408	358	82	76	NW	5	NW	2	10.0	Dull and close to fine.						
15	28	29	63.7	55.1	70.3	46.8	9.1	2.0	322	377	54	87	NE	3	SE	4	10.0	Fine and bright.						
16	27	21	61.0	54.5	67.0	51.3	7.9	2.1	313	365	58	86	NE	5	SE	2	10.0	Fine and bright till 4p.						
17	22	23	57.5	58.2	64.9	50.5	4.4	2.9	349	398	73	82	NE	2	NE	1	10.0	Fine. ☁ p.						
18	27	26	64.5	57.0	71.5	51.4	4.9	1.2	439	428	73	92	NE	1	SW	2	10.0	Fine but cloudy.						
19	22	30.19	68.5	63.0	75.1	49.8	7.3	3.4	441	462	63	80	SW	1	SW	1	10.0	Fine and bright.						
20	30.12	29.91	69.0	65.1	75.1	54.5	7.1	5.0	454	449	64	73	SE	3	SE	3	10.0	Fine and warm.						
21	29.79	29.81	66.0	58.5	71.1	58.4	5.4	1.3	452	449	71	81	SW	3	SW	2	10.0	Fine.						
22	79	70	60.2	57.0	65.7	53.7	3.9	1.9	401	408	77	88	SW	3	SW	2	10.0	Fine.						
23	81	79	58.5	57.2	68.1	54.5	1.7	2.1	438	406	89	87	SW	2	SW	3	10.0	☁ showers 8a.—11a.						
24	60	52	60.2	58.2	65.6	55.4	2.3	2.1	447	421	86	87	SW	4	SW	4	10.0	☁ showers a. Fine p.						
25	41	39	59.2	57.0	64.0	54.8	2.9	1.2	414	428	83	92	SW	4	SW	4	10.0	6.30p.—9p.						
26	50	58	56.0	55.7	64.6	50.7	6.8	2.5	278	374	61	84	NW	4	NW	3	10.0	Fine to dull.						
27	67	66	58.3	57.1	63.1	45.9	5.8	2.6	327	390	67	83	NW	4	SW	4	10.0	Fine to dull. ☁ from 11p.						
28	58	62	63.5	57.5	66.0	56.1	6.6	2.5	379	399	65	84	NW	4	SW	5	10.0	☁ till 3.30a.						
29	64	55	59.9	56.9	63.6	53.2	5.1	2.8	366	381	70	83	SW	5	SW	5	10.0	☁ showers a. Fine p.						
30	29.51	29.64	57.2	56.2	62.0	50.0	4.9	4.3	332	335	71	74	NW	5	NW	4	10.0	☁ showers a. and 4p.—5p.						
M.	29.816	29.821	61.3	58.5	68.0	52.9	4.3	2.6	414	413	76	84	3.1	2.7	6.3	6.2	3.420	185	48.6					

## PLYMOUTH, DEVONSHIRE, a.—JUNE 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.15 in.

1	29.52	29.57	56.0	54.1	58.7	52.4	0.7	0.1	428	416	95	99	S	15	S	8	5	10	0.7	2.2	48	Fine to cloudy.	
2	60	74	58.2	54.0	61.0	53.8	2.2	1.0	419	388	86	93	S	13	S	5	3	4	—	12.9	48	Fine and sunny.	
3	80	72	59.2	54.0	61.8	48.7	3.5	1.5	397	374	79	90	S	5	—	3	4	5	—	12.3	45	Fine and sunny.	
4	55	51	57.2	54.9	58.8	49.2	2.7	1.8	389	379	83	89	S	6	—	2	8	10	11	—	47		
5	52	61	56.2	59.0	63.3	51.8	2.2	3.0	388	407	86	82	NNE	10	E	11	8	7	0.6	3.7	50	• a.	
6	72	79	59.7	64.0	66.8	53.8	4.2	5.2	386	425	75	71	E	11	NNE	6	8	9	2.0	2.7	53	Cold, with • showers.	
7	83	91	58.9	55.7	64.0	55.7	1.2	0.6	459	426	93	96	E	10	—	2	10	10	0.1	5.3		• showers. ≡ ▲	
8	85	82	62.1	60.0	68.7	52.1	2.0	1.6	489	466	88	90	E	5	E	7	5	6	1.3	4.6	53	• showers.	
9	80	77	59.0	57.0	67.0	54.9	2.0	3.0	436	377	88	81	W	4	WNW	10	10	7	2.0	6.7	48	• showers.	
10	71	67	57.0	56.1	62.0	53.9	1.5	0.3	420	443	90	88	NW	10	N	8	10	10	0.3	5.3			
11	65	73	60.5	58.0	63.4	52.0	1.1	1.8	490	427	93	88	N	10	N	8	10	10	0.2	0.1	56	Overcast.	
12	77	82	64.3	55.8	70.2	54.3	4.1	2.8	463	366	77	82	NNW	8	NW	8	0	3	—	11.0	52	Fine.	
13	29.84	29.99	58.0	54.2	62.2	54.2	4.7	2.7	350	345	73	83	NNW	16	NW	9	8	0	—	8.7	50	Fine.	
14	30.11	30.22	60.2	57.0	64.8	46.4	7.2	6.0	319	304	61	64	NW	5	NNW	6	4	0	—	14.3	39	Fine.	
15	24	20	60.0	61.0	64.7	46.4	4.8	3.9	372	413	71	78	SW	4	E	4	2	6	—	11.9	45	Fine.	
16	19	15	59.8	54.0	62.0	54.0	4.9	3.7	367	317	72	76	E	14	E	7	7	2	—	10.3	52	Fine.	
17	15	17	55.2	56.1	63.3	50.4	3.8	4.1	332	339	76	74	E	13	—	3	7	3	—	7.7	44	Fine.	
18	18	22	64.2	54.0	68.5	46.8	6.2	0.2	402	412	67	99	SE	11	—	2	3	10	11.2	41	Fine till afternoon, then ≡		
19	19	30.14	56.1	54.8	57.1	50.8	1.1	0.7	418	408	92	94	S	4	—	0	10	8	—	0.4	5.3	Overcast.	
20	30.02	29.78	65.3	65.0	75.8	50.4	3.3	4.7	506	456	81	75	E	11	E	18	0	9	—	13.3	47	Fine.	
21	29.78	29.80	64.0	58.0	66.8	56.3	5.1	2.0	428	421	72	87	SW	13	SW	6	8	8	2.2	6.1	52	Fine and sunny a.	
22	74	74	55.3	57.0	62.3	53.5	1.1	1.4	405	422	92	91	SW	8	WSW	8	6	8	2.3	6.1	50	Fine and sunny a. K <sup>2</sup> in evening	
23	77	70	61.0	57.0	63.7	54.7	4.0	2.0	410	459	77	99	SW	12	SSE	14	7	10	2.4	7.5	52	Fine. ≡	
24	57	50	61.1	58.0	63.9	55.9	3.4	2.0	389	391	79	87	SW	14	SW	11	5	9	0.2	7.2	54	Fine	
25	39	38	58.5	56.0	63.1	55.0	3.4	2.0	389	391	79	87	W	16	WNW	6	5	5	1.1	5.2	51	Fine.	
26	51	62	61.0	55.0	65.0	54.4	6.0	4.0	358	325	67	75	N	6	NW	7	5	3	—	10.2	49	Fine, but with cool breeze.	
27	65	63	59.8	57.0	62.0	48.9	3.8	1.0	397	434	77	93	W	11	SW	22	8	10	0.8	1.7	45	Sunny intervals.	
28	66	62	59.9	57.0	65.6	56.0	3.2	2.0	416	405	81	87	SW	17	SW	15	7	8	—	7.8	55	Sunny a.	
29	62	56	59.5	54.0	61.8	54.0	3.5	2.7	401	342	79	82	SW	17	W	10	7	3	1.8	5.7	49	• showers.	
30	29.56	29.65	55.8	55.0	62.6	50.0	1.8	1.9	393	378	88	87	W	12	WSW	9	7	3	0.1	8.0	45		
M.	29.782	29.791	59.4	56.8	64.0	52.4	3.3	2.3	409	396	81	86		10		8	6.2	6.5	1.88	200	49.3		

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long, 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.			Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.	
								Dep. of Wet.		Vapour Pressure.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°			
1	29°42'	29°47'	54°3	49°9	57°7	37°7	6°0	2°2	271	304	65	86	W	*	—	3	7	9	ins.	hrs.	°	
2	'52	'65	48°5	49°7	50°8	47°4	0°6	0°8	326	336	95	94	NE	8	—	1	10	10	'130	8°7	31	● <sup>2</sup> early a. Overcast.
3	'71	'60	52°0	50°0	58°8	41°4	5°1	1°1	264	332	69	92	SW	6	—	0	8	10	'011	6°8	38	● <sup>0</sup> p.
4	'49	'60	52°4	51°8	54°8	47°5	3°6	1°6	301	343	77	88	WSW	4	NE	7	10	10	'200	0°8	47	● a. Cloudy.
5	'71	'81	50°7	49°3	55°7	48°9	2°0	0°4	320	341	87	97	NE	10	NE	9	10	10	'215	1°2	48	Cloudy, with ● <sup>2</sup> .
6	'93	'96	49°2	52°0	59°4	46°4	1°3	2°0	318	335	91	86	NE	10	NE	6	10	4	—	7°9	46	
7	'91	'90	58°7	54°8	64°3	50°0	3°1	0°9	401	405	81	94	NE	11	—	2	3	7	'625	7°1	47	☐
8	'83	'78	57°8	55°2	64°9	52°4	0°4	0°6	467	419	97	96	—	2	E	4	9	9	'010	5°7	51	☐ <sup>2</sup> early a.
9	'71	'72	58°6	56°5	68°3	53°9	1°6	0°6	443	439	90	96	ENE	6	—	1	9	4	'020	6°0	51	● a.
10	'73	'69	57°9	60°8	70°3	51°9	0°8	2°3	455	458	95	86	W	5	NW	4	10	3	—	5°0	46	Cloudy.
11	'72	'72	52°6	54°8	70°3	51°9	0°7	1°3	377	393	95	92	—	3	—	2	10	4	—	3°5	51	Fine.
12	'77	'68	59°6	55°3	66°8	46°9	3°2	1°4	412	397	80	90	W	4	—	1	6	9	—	9°6	42	Fine.
13	29°78'	29°94'	53°8	47°0	60°0	46°9	4°1	2°0	306	275	74	86	W	9	—	0	10	0	—	6°6	49	Cloudy.
14	30°06'	30°12	56°5	54°8	60°8	42°1	0°6	1°3	439	393	96	92	—	3	—	1	8	10	'010	6°0	34	● showers.
15	'16	'16	61°5	57°7	68°8	51°7	3°3	0°8	439	453	80	95	WSW	3	—	1	10	0	—	3°1	49	Cloudy.
16	'15	'11	59°8	55°5	68°8	52°8	2°8	1°1	426	409	83	93	E	6	—	3	10	0	—	8°9	50	Fine.
17	'11	'11	62°7	49°8	64°8	44°9	4°0	1°0	438	333	77	93	E	5	—	2	4	4	—	12°5	42	≡ n. Fine and bright.
18	'10	'09	62°7	58°8	70°1	43°9	4°5	1°9	424	437	74	88	—	2	—	3	9	3	—	2°9	40	Fine, but cloudy.
19	30°10	30°66	60°9	57°0	68°8	52°7	1°4	0°3	488	456	92	98	WSW	4	E	4	10	3	—	4°6	47	Fine, but cloudy.
20	29°91	29°69	55°3	56°8	74°0	53°3	1°0	0°4	408	449	93	97	ENE	6	NW	5	8	10	—	7°90	66	☐ <sup>2</sup>
21	'59	'63	56°8	52°8	64°8	51°9	1°0	1°2	432	366	94	91	SW	8	—	1	10	6	'106	3		

BIRR CASTLE, KING'S COUNTY, a.b.—JUNE 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:--Bar., -2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	29'37	29'40	55'0	53'1	59'7	39'2	4'9	3'3	3'04	3'16	71	78	SW	2	E	1	7	10	'092	6'0	—	Cloudy and warm.
2	'47	'61	'49	'53'9	'55'8	'47'1	1'7	2'8	'313	'338	82	NNW	2	NNW	2	NNW	2	10	'021	0'1	—	● <i>a.</i> Overcast.
3	'66	'58	'53'9	'51'9	'58'0	'37'5	4'1	1'0	'307	'360	74	93	SSW	2	SE	2	6	100	'191	0'6	—	Cloudy.
4	'44	'57	'54'3	'52'9	'56'8	'47'7	3'2	1'9	'334	'348	79	87	E	1	E	1	10	10	'032	0'4	—	● <i>n.</i> Cloudy.
5	'62	'73	'51'0	'51'1	'57'7	'48'8	1'5	1'1	'336	'347	90	92	E	3	ENE	3	100	100	'185	0'2	—	Overcast.
6	'86	'92	'45'9	'55'8	'01'8	'44'4	0'8	3'6	'290	'347	95	77	NNW	3	E	2	100	8	'335	2'5	—	● <i>a.</i>
7	'84	'83	'59'3	'61'9	'70'7	'47'0	2'6	1'9	'423	'507	84	89	E	2	E	1	10	8	'206	6'6	—	Cloudy and warm.
8	'80	'76	'60'7	'61'7	'70'5	'55'8	1'0	1'8	'480	'490	94	89	SE	2	SSW	1	10	7T	'123	4'6	—	Cloudy and warm.
9	'68	'71	'60'8	'58'9	'67'7	'55'5	1'9	2'0	'471	'435	88	87	SSW	2	WNW	2	10	10	'021	8'0	—	● showers.
10	'74	'70	'57'0	'56'9	'63'7	'53'4	1'8	1'9	'411	'406	88	88	WNW	1	SSW	2	10	8	—	1'5	—	Cloudy.
11	'71	'72	'55'1	'53'3	'64'7	'48'8	2'1	2'2	'374	'406	86	35	WNW	2	Calma	0	10	7	—	5'7	—	Cloudy.
12	'73	'64	'57'8	'59'0	'65'8	'47'6	1'8	2'1	'424	'433	88	87	WSW	1	SW	3	10	9	—	0'6	—	Cloudy.
13	29'81	29'92	56'0	54'8	65'7	47'7	0'9	1'8	'422	'378	94	88	WSW	4	NW	1	10	9	—	8'5	—	Cloudy and warm.
14	30'05	30'07	56'0	56'9	62'7	41'7	3'1	1'7	'363	'412	80	89	SW	2	SW	1	8	100	'079	5'5	—	Cloudy and warm.
15	'13	'12	62'3	61'9	68'9	54'4	3'5	2'0	'446	'487	79	88	SW	1	Calma	0	10	10	—	3'6	—	Cloudy and warm.
16	'09	'06	66'1	58'9	69'8	54'6	5'0	2'0	'466	'435	73	37	S	1	Calma	0	2	6	—	10'9	—	Fine and very warm.
17	'04	'04	63'6	57'5	69'7	50'7	4'6	3'4	'436	'375	74	79	S	2	SE	1	4	10	—	11'2	—	Fine and very warm.
18	'05	30'05	62'7	61'9	69'6	52'6	4'4	2'0	'427	'487	75	88	S	3	SW	1	7	10	—	3'2	—	Cloudy and very warm.
19	30'07	29'98	61'5	66'9	73'7	57'6	2'6	3'1	'461	'544	84	82	S	1	S	3	10	10	—	4'8	—	Cloudy. ● <i>n.</i>
20	29'87	'69	63'7	56'9	67'8	54'1	3'6	1'0	'468	'433	79	94	SE	2	Calma	0	4	100	'942	4'5	—	Cloudy. ● <i>p.</i>
21	'58	'59	58'0	53'9	64'5	50'8	2'3	1'0	'413	'387	85	93	WSW	4	SSW	2	3	100	'470	3'9	—	● showers. T
22	'54	'54	57'9	54'9	65'7	50'7	2'9	1'2	'394	'397	82	93	S	1	WSW	1	10	7	'027	4'7	—	● showers.
23	'59	'45	57'9	56'9	63'9	46'8	3'0	1'9	'393	'406	81	88	SW	2	S							

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JUNE 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, **OR** the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS. †					NORTH SHIELDS. †					GREAT YARMOUTH. †§						
Height of Cups above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cups above—Roof 8 ft., Ground 60 ft.¶, M.S.L. 183 ft.					Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cups above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
2	29, 10	32, 8	24, 15	9, 10	22, 10	24, 5	19, 12	17, 7	19, 15	17	22, 10	15, 7	17, 12	18, 10	—	22
3	12, 12	14, 10	12, 12	11, 12, 13, 14	26, 4	8, 4	19, 7	16, 6	12, 11	15	15, 9	25, 4	17, 10	15, 7	—	19
4	23, 23	22, 18	23, 27	15	23, 10	24, 11	24, 7	25, 9	24, 12	10	24, 4	7, 6	7, 8	10, 9	—	17
5	1, 9	1, 20	1, 20	18	3, 5	4, 8	32, 11	1, 7	4, 32	11	10, 4	4, 7	* 12	* 16	—	22
6	32, 7	6, 9	5, 12	24	2, 9	3, 13	3, 12	2, 10	3, 13	13, 16, 17	4, 16	4, 19	4, 26	4, 24	—	25
7	4, 19	5, 15	4, 19	11, 13	32, 19	31, 21	31, 21	31, 21	31, 24	15	1, 16	32, 17	32, 18	1, 8	—	34
8	11, 12	12, 8	11, 12	13, 14	31, 15	32, 11	32, 12	31, 10	30, 18	1	5, 15	* 9	3, 6	—	—	35
9	10, 16	12, 16	12, 18	16	3, 9	3, 9	3, 6	4, 8	31, 12	3	* 4	8, 4	3, 8	—	—	20
10	12, 15	12, 12	13, 15	9	2, 4	6, 4	6, 7	—	31, 8	7	32, 8	4, 4	3, 7	—	—	18
11	1, 15	3, 13	1, 15	12, 13	32, 8	32, 10	32, 11	30, 11	32, 13	11, 14	31, 9	2, 9	32, 8	28, 6	—	19
12	—	3, 12	5, 11	2	30, 15	31, 12	32, 6	—	30, 15	9	—	3, 28	4, 10	28, 4	—	20
13	27, 12	32, 10	27, 12	13	2, 4	0, 7	32, 5	31, 7	31, 10	24	30, 7	28, 7	31, 5	28, 4	—	16
14	3, 18	32, 14	3, 20	14	28, 4	2, 4	4, 12	26, 12	25, 15	22	27, 5	27, 12	28, 8	27, 10	—	20
15	29, 16	28, 10	28, 20	11	25, 11	32, 7	—	2, 14	25, 12	1	28, 10	27, 8	31, 7	—	—	6
16	13, 9	14, 8	13, 15	11, 12	6, 7	9, 11	10, 11	12, 6	11, 15	16	32, 8	3, 9	2, 7	4, 8	—	25
17	12, 7	11, 7	12, 11, 8	8, 9, 12	8, 10	8, 13	9, 8	—	8, 14	12, 14	2, 10	1, 11	3, 12	4, 10	—	17
18	9, 17	8, 15	9, 18	13, 14, 18, 23	7, 5	8, 7	7, 10	10, 6	7, 10	18	2, 10	32, 11	2, 10	1, 9	—	20
19	9, 13	10, 13	8, 15	12, 16	12, 6	8, 10	—	2, 25	8, 12	11	3, 7	5, 6	6, 5	10, 4	—	15
20	12, 22	12, 19	9, 11	9, 11	25, 6	5, 8	5, 4	6, 9	7, 11	22	14, 9	15, 12	11, 7	—	—	8
21	11, 22	11, 19	11, 23	24	12, 13	10, 21	11, 18	10, 16	10, 21	13, 14	7, 12	9, 17	9, 15	9,		

## PLYMOUTH. §

PLYMOUTH. §  
Height of Head above—Roof 3 ft., Ground 86 ft.,  
M.S.L. 185 ft.

## DOVER. 8

Height of Head above—Roof 29 ft., Ground 40 ft., M.S.L. 271 ft.

SCILLY.† 8

Height of Head above—Ground 32 ft., M.S.L. 164 ft.  
Height of Cups above—Ground 19 ft., M.S.L. 150 ft.

Date.	13h.	18h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D.	V.	hr. min.	D.	V.	D.	V.	D.	V.	D.	V.	D.	V.	hr. min.
2	16	7	—	25	13. 50	—	8	—	10	—	18	9. 50	16, 18	17, 14	15, 16	— 28
3	10	6	—	30	5. 15	—	10	—	1	—	12	3. 40	16, 9	15, 11	14, 8	23. 55
4	10	—	—	12	13. 30	—	3	—	5	—	0	—	3	24	5, 27	0. 25
5	9	3	—	16	12. 20	—	4	—	11	—	12	19. 30	15, 13	13, 19	9, 19	21. 30
6	14	15	—	38	16. 45	—	14	—	20	—	23	17. 15	1, 10	5, 10	5, 12	13. 0
7	6	1	—	23	3. 10	—	20	—	32	—	19	10. 50	8, 7	7, 6	1	19. 10
8	9	1	—	22	8. 40	—	5	—	1	—	32	19. 5	11, 10	13, 6	1	3. 15
9	8	4	—	27	10. 50	—	2	—	4	—	0	0. 5	3, 7	7, 6	3, 20	8. 55
10	7	10	—	18	19. 30	—	7	—	9	—	8	19. 5	—	3, 12	6, 2	4. 20
11	12	10	—	24	12. 45	—	2	—	3	—	2	21. 5	27, 11	29, 17	27, 17	1. 10
12	7	6	—	18	22. 40	—	*	—	*	—	*	30, 18	30, 13	28, 15	27, 16	23
13	10	11	—	22	4. 35	—	*	—	*	—	*	28, 10	27, 9	24, 7	24, 14	13. 55
14	19	16	—	33	13. 40	—	8	—	*	—	32	23. 25	28, 15	28, 16	27, 10	25
15	11	9	—	21	15. 0	—	20	—	15	—	2	7. 5	28, 6	26, 6	25, 5	23. 15
16	6	3	—	14	23. 30	—	17	—	18	—	10	14. 25	15, 5	11, 7	9, 8	7. 30
17	17	12	—	27	12. 10	—	19	—	21	—	17	11. 35	11, 20	9, 24	9, 16	2. 40
18	9	10	—	22	8. 30	—	11	—	16	—	9	16. 15	10, 20	11, 19	10, 12	21. 20
19	10	8	—	19	11. 15	—	12	—	15	—	7	22	12, 10	12, 11	3, 11	7. 25
20	10	5	—	12	11. 55	—	7	—	9	—	1	12. 35	9, 8	11, 13	10, 9	3. 5
21	13	16	—	27	22. 10	—	9	—	4	—	15	18. 45	10, 19	11, 20	12, 14	11. 30
22	15	10	—	24	16. 40	—	21	—	16	—	1	9. 15	24, 11	24, 9	20, 8	23. 0
23	14	13	—	24	6. 15	—	15	—	15	—	20	17. 55	24, 13	24, 14	24, 19	10. 50
24	16	14	—	25	19. 55	—	24	—	17	—	15	33. 25	24, 10	17, 11	18, 1	1. 0
25	21	14	—	30	13. 30	—	*	—	*	—	*	13. 25	24, 10	17, 11	18, 1	12. 50
26	15	7	—	30	9. 55	—	20	—	24	—	16	14. 15	22, 13	24, 20	24, 19	23
27	10	14	—	25	18. 25	—	19	—	15	—	0	7. 55	25, 24	26, 22	26, 12	21. 5
28	13	17	—	33	20. 30	—	13	—	22	—	20	30	30, 19	29, 12	28, 12	22. 25
29	18	22	—	34	18. 35	—	22	—	28	—	27	22. 10	25, 15	21, 11	20, 22	

The velocities at fixed hours are means for the interval from 30 minutes before to 30 minutes after the hour. The hours are numbered 1<sup>h</sup> to 24<sup>h</sup>. Time is referred to Greenwich Mean Time, except at Kingstown and Roches Point, where Dublin Mean Time is used. Directions are not specified if the velocity is less than 4 miles per hour.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cups 9 inches; Factor 2.2.

‡ Robinson Cup Anemometer; Arms 1 foot; Diameter of Cups 5 inches; Factor 2.8.

§ Dines Pressure Tube Anemometer.

|| At Great Yarmouth and Scilly the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted being the greatest winds in a gust as recorded by the Dines Pressure Tube.

The lighthouse on which the anemometer is erected stands upon a steep bank or cliff. On one side houses adjoin it, rising to 30 feet above the ground.

ANEMOMETER RECORDS.

STONYHURST.†						SOUTHPORT.‡						HOLYHEAD.†§							
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.						Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.						Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.							
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	20, 4	— 2	20, 7	9		23, 8	27, 4	4, 9	1, 10	—	24	0. 15	22, 4	27, 4	4, 9	6, 7	— 16	0. 30	
2	21, 4	25, 4	22, 7	15		14, 10	13, 8	28, 11	— 1	—	28	13. 50	13, 11	17, 14	17, 13	18, 11	— 27	13. 15	
3	22, 8	24, 5	22, 9	14, 15		24, 8	23, 12	28, 5	—	—	20	3. 10	24, 6	18, 8	20, 7	15, 6	— 18	7. 50	
4	4, 4	4, 7	3, 10	24		5, 8	6, 14	22, 7	5, 11	—	24	22. 40	— 2	31, 12	2, 12	5, 20	— 33	23. 10	
5	5, 11	5, 13	5, 4	13	15-18, 20, 21, 23	5, 22	6, 22	5, 23	6, 18	—	38	15. 50	5, 27	4, 24	4, 23	4, 21	— 40	16. 30	
6	5, 13	4, 7	3, 16	5		5, 16	5, 17	5, 14	5, 17	—	31	9. 25	3, 23	1, 16	32, 16	2, 17	— 37	6. 40	
7	5, 10	7, 10	7, 13	10		6, 22	7, 26	7, 15	7, 20	—	34	12. 55	5, 26	5, 26	— 3	7, 12	— 37	9. 30	
8	— 2	— 2	7, 7	10		7, 13	8, 12	— 3	9, 8	—	33	4. 15	6, 7	23, 6	29, 4	— 2	— 29	4. 20	
9	— 2	24, 5	2, 24	5	2, 5, 18	12, 7	23, 10	28, 5	32, 9	—	22	14. 40	17, 4	21, 10	18, 7	18, 7	— 16	0. 45	
10	6, 5	— 3	8, 6	5	12, 13, 15	29, 13	28, 14	31, 12	32, 7	—	22	16. 25	26, 7	27, 12	27, 12	29, 15	— 26	20. 50	
11	— 2	24, 8	24, 8	8	18	27, 7	24, 11	25, 11	24, 9	—	14	15. 50	28, 11	27, 10	— 2	— 2	— 24	5. 40	
12	24, 9	22, 6	24, 10	15	14, 15	25, 7	26, 13	28, 8	26, 5	—	19	15. 0	26, 7	26, 8	— 3	18, 4	— 20	2. 25	
13	24, 12	26, 12	25, 15	17		25, 18	27, 27	28, 29	28, 27	—	35	13. 40	24, 19	25, 18	26, 10	27, 7	— 29	10. 0	
14	24, 11	25, 10	26, 25	12	7, 9, 11, 12, 14, 15	27, 21	26, 20	25, 13	25, 12	—	35	2. 5	25, 12	25, 8	18, 8	15, 8	— 19	6. 45	
15	24, 5	24, 4	22, 6	11		12, 9	16, 10	28, 9	29, 6	—	17	14. 10	18, 10	18, 12	19, 7	— 2	— 19	13. 50	
16	— 1	— 2	2, 3	4	1, 2, 3, 4, 5	15, 6	28, 6	10, 6	10, 6	—	12	21. 55	—	2	27, 5	29, 4	— 3	— 14	4. 0
17	8, 5	11, 4	8, 7	8		9, 9	14, 9	— 3	12, 6	—	17	10. 5	7, 9	7, 6	26, 4	— 2	— 19	11. 20	
18	17, 8	— 2	18, 9	15		14, 6	15, 13	29, 13	29, 6	—	20	13. 50	15, 7	18, 12	16, 10	16, 10	— 20	13. 0	
19	23, 7	22, 4	23, 8	15		29, 6	28, 12	28, 9	25, 6	—	19	11. 35	16, 7	18, 13	18, 4	18, 4	— 21	13. 5	
20	7, 6	9, 7	10, 10	15		8, 12	13, 16	11, 10	10, 12	—	23	13. 5	— 2	27, 6	— 2	6, 8	— 15	21. 15	
21	22, 13	23, 11	22, 15	12		14, 12	23, 16	24, 13	22, 14	—	38	10. 30	23, 13	19, 12	17, 15	18, 15	— 29	1. 15	
22	22, 8	— 2	22, 8	13		22, 12	— 3	28, 8	— 2	—	16	9. 35	15, 10	18, 12	17, 9	17, 18	— 20	11. 20	
23	23, 8	25, 4	23, 8	10, 13		22, 8	24, 10	26, 7	24, 7	—	15	12. 50	17, 6	19, 11	17, 13	16, 10	— 21	19. 20	
24	— 2	— 0	12, 6	9		12, 11	12, 9	32, 6	7, 6	—	18	10. 10	14, 12	17, 20	16, 12	16, 9	— 31	12. 15	
25	4, 7	3, 7	2, 10	16		— 3	4, 17	5, 20	6, 11	—	31	16. 55	4, 15	3, 16	2, 18	2, 7	— 24	17. 45	
26	26, 4	24, 10	26, 13	21		28, 15	27, 20	27, 25	27, 27	—	38	22. 35	3, 7	29, 15	28, 10	27, 11	— 23	23. 40	
27	23, 14	22, 12	22, 15	16		24, 24	23, 29	21, 31	20, 15	—	36	11. 30	22, 19	18, 18	18, 15	17, 14	— 32	4. 20	
28	22, 19	21, 16	22, 19	13		22, 32	22, 34	21, 31	22, 29	—	50	18. 45	20, 22	19, 18	19, 18	22, 16	— 39	15. 55	
29	22, 9	25, 4	22, 12	2		24, 22	23, 22	28, 4	— 3	—	45	0. 45	22, 20	18, 15	20, 8	26, 16	— 34	6. 25	
30	26, 12	25, 12	25, 14	16		26, 28	27, 30	26, 25	27, 24	—	36	7. 30	25, 26	24, 19	24, 15	25, 10	— 36	8. 20	

GLASGOW.†						KINGSTOWN.†						ROCHES POINT.‡						
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.						Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	21, 10	23, 7	20, 12	11		12, 8	12, 10	12, 10	14, 7	12, 12	10, 15	— 7	— 7	— 7	— 14	— 24	20. 50	
2	22, 5	25, 8	25, 9	19		10, 12	2, 19	30, 7	26, 6	4, 2	19	7, 12, 13	— 0	— 1	— 6	— 1	— 18	16. 5
3	21, 11	21, 7	23, 13	10		23, 11	13, 14	— 3	— 3	24, 21	7	— 4	— 13	— 13	— 1	— 22	2. 50	
4	7, 10	8, 10	7, 12	19		12, 6	7, 12	3, 19	3, 13	3, 20	19	— 8	— 15	— 8	— 2	— 22	12. 55	
5	8, 16	7, 14	8, 17	11, 14		6, 18	5, 23	6, 18	5, 24	4, 29	24	— 8	— 10	— *	— *	— *	*	
6	7, 12	7, 15	6, 16	8		3, 17	2, 20	3, 20	2, 16	4, 27	2	— *	— *	— 13	— 13	— *	*	
7	7, 15	6, 15	6, 17	14		2, 15	31, 7	31, 5	— 2	2, 18	1, 2	— 6	— 11	— 11	— 5	— 30	12. 25	
8	7, 17	7, 16	7, 17	13		— 2	6, 4	10, 6	6, 4	5, 10	10	— 0	— 0	— 0	— 1	— 7	0. 10	
9	7, 8	8, 7	8, 10	4, 12		12, 8	10, 8	14, 8	— 2	11, 11	11	— 1	— 13	— 5	— *	— 1	?	
10	7, 3	7, 7	7, 6	18, 19, 21, 22		26, 11	25, 15	28, 10	28, 12	25, 16	5	— *	— 18	— 10	— 20	— 30	22. 30	
11	24, 7	23, 8	23, 24	17, 18, 20		24, 15	24, 12	23, 11	25, 13	24, 25, 26, 18	2, 3, 4, 5, 6, 7	— 0	— 17	— 11	— 5	— 31	5. 10	
12	27, 7	27, 4	7, 14	21		26, 4	11, 10	12, 7	— 3	3, 23	21	— 0	— 13	— 10	— 10	— 31	21. 35	
13	25, 12	25, 14	26, 17	15		25, 26	26, 21	28, 16	28, 7	24, 40	6	— 18	— 18	— 20	— 8	— 33	3. 45	
14	24, 10	26, 8	24, 12	1		— 2	15, 12	13, 6	22, 4	15, 14	12	— 1	— 10	— 10	— 6	— 18	16. 20	
15	—	22, 4	21, 5	20		10, 5	12, 7	12, 9	13, 4	12, 10	15	— 8	— 5	— 3	— 1	— 13	8. 35	
16	— 3	— 3	6, 8	20		10, 8	10, 10	11, 5	— 3	10, 10	14, 15	— 18	— 17	— 10	— 7	— 25	8. 30	
17	6, 10	7, 10	7, 11	15, 19		12, 13	11, 14	10, 12	7, 11	11, 16	15	— 20	— 20	— 14	— 12	— 28	6. 10	
18	23, 4	21, 5	22, 10	15		12, 11	15, 14	13, 6	13, 4	13, 15	11, 15	— 13	— *	— 5	— 4	— 18	8. 45	
19	7, 7	8, 12	8, 12	18		9, 5	12, 8	14, 8	12, 8	12, 11	20, 23, 24	— 2	— 7	— 7	— 12	— 16	23. 50	
20	6, 12	7, 12	7, 15	22		9, 10	13, 13	12, 8	28, 7	12, 17	2	— 15	— 4	— 11	— 7	— 22	8. 40	
21	9, 6	6, 25	6, 15	9		22, 18	22, 10	16, 5	— 2	22, 18	8, 9	— 8	— 20	— 15	— 5	— 28	13. 20	
22	25, 4	12, 4	31, 5	15		12, 7	13, 12	12, 7	— 3	13, 12	11, 13	— 6	— 14	— 0	— 1	— 21	13. 20	
23	21, 7	20, 10	20, 10	18		23, 7	12, 7	14, 8	14, 10	14, 17	24	— 1	— 9	— 19	— 4	— 24	17. 10	
24	7, 12	9, 5	7, 12	12		22, 14	12, 9	9, 4	— 2	13, 16	1	— 8	— 12	— 6	— 8	— 27	14. 15	
25	8, 9	7, 7	5, 7	8, 10		32, 10	1, 14	3, 14	— 1	2, 16	14	— 5	— 0	— 3	— 6	— 25	17. 20	
26	32, 8	27, 15	27, 15	18		31, 18	28, 14	28, 15	24, 17	29, 21	10	— 21	— 21	— 12	— *	— 33	7. 40	
27	24, 14	23, 12	25, 15	8, 10, 11, 12		22, 20	21, 17	16, 4	19, 12	22, 20	9	— *	— 13	— 14	— 13	— 30	18. 40	
28	22, 14	24, 13	23, 20	16		21, 22	21, 22	21, 31	22, 21	21, 31	18	— 21	— 18	— 23	— 12	— 43	15. 30	
29	25, 9	24, 12	24, 14	17		21, 12	7, 12	28, 12	24, 16	22, 28	5	— 15	— 27	— 20	— 16	— 42	12. 15	
30	26, 12	26, 12	26, 15	16		24, 28	24, 28	26, 18	23, 15	23, 29	12	— 24						

TILLYPRONIE, ABERDEENSHIRE.—JULY 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).				Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.	hrs.	°		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	28°25'	ins.	50°0	45°0	57°0	43°2	3°0	0°5	286	287	80	90	NW	2	NE	2	9	10	75	—	—	Dull.	
2	29	36	49°2	46°0	54°2	43°3	1°4	0°8	315	292	91	94	NW	4	NE	2	9	10	35	—	—	Dull.	
3	53	64	48°8	50°0	56°6	41°5	1°6	2°0	305	309	88	86	NE	4	N	4	8	2	—	—	—	Dull.	
4	74	82	52°2	51°6	60°0	44°5	3°2	0°8	308	361	79	95	NW	5	N	4	8	8	—	—	—	Dull.	
5	77	60	50°8	49°5	62°0	48°0	0°6	1°2	357	323	95	91	N	2	NE	1	9	9	35	—	—	Dull.	
6	56	59	52°2	51°6	60°0	44°5	2°9	0°8	316	361	81	95	SE	2	N	4	10	9	04	—	—	Dull.	
7	77	86	52°0	50°0	56°0	45°2	3°0	2°8	310	291	80	81	N	6	N	6	9	8	—	—	—	Dull.	
8	91	94	52°2	46°6	55°2	44°0	4°6	3°1	277	248	71	79	NW	5	NE	5	4	8	—	—	—	Sunshine.	
9	92	91	49°6	47°5	58°0	42°2	3°8	2°1	266	278	75	85	NW	7	N	5	2	0	—	—	—	Sunshine.	
10	86	84	59°0	54°2	68°0	41°2	7°8	4°2	291	322	58	77	N	4	N	6	0	0	—	—	—	Fine.	
11	84	87	49°5	55°8	69°0	39°0	2°1	0°8	302	422	86	94	N	2	NE	2	2	0	—	—	—	Sunshine.	
12	94	96	58°2	57°0	71°0	46°0	3°6	4°0	380	351	78	75	NE	2	E	2	0	0	—	—	—	Fine.	
13	98	97	64°2	61°0	73°8	48°5	6°1	2°8	404	445	67	83	E	2	E	2	0	0	—	—	—	Fine.	
14	99	97	65°0	53°6	70°0	49°8	6°5	2°8	405	335	66	81	NE	2	N	5	0	0	01	—	—	∞	
15	93	91	49°6	47°5	59°8	44°0	1°2	2°5	324	269	92	82	N	4	N	4	8	9	—	—	—	Dull.	
16	90	92	48°0	46°0	51°5	43°4	2°2	1°8	281	260	85	87	NE	2	NE	4	9	8	01	—	—	∞	
17	95	92	47°5	47°6	52°2	43°0	2°5	2°6	269	268	82	82	NE	4	NE	4	8	8	02	—	—	∞	
18	90	87	47°2	46°3	52°6	42°8	2°2	1°8	273	272	85	88	NE	2	E	2	6	—	—	—	—	Dull.	
19	81	74	48°6	50°0	56°0	43°7	1°4	0°5	307	346	88	96	E	2	SE	4	9	9	—	—	—	∞	
20	57	28	53°4	50°2	56°0	46°4	1°9	0°7	356	346	88	96	SE	2	NW	4	9	6	03	—	—	Dull.	
21	15	14	55°3	50°7	61°0	48°9	3°3	0°5	346	358	79	96	SW	2	NW	4	7	9	44	—	—	∞	
22	18	23	57°8	50°7	58°7	49°8	4°8	0°7	344	352	72	95	N		N								
23	52	70	49°7	46°5	52°8	44°0	0°7	4°7	338	216	95	69	N	4	N	4	8	5	—	—	—	Dull.	
24	60	33	45°0	46°8	48°0	37°0	2°5	0°8	243	301	82	94	NE	4	NE	5	9	10	57	—	—	Dull.	
25	11	16	52°4	49°2	56°8	44°3	0°4	0°5	382	337	97	97	N	2	S	5	10	10	59	—	—	Dull.	
26	33	54	52°8	48°1	58°5	47°0	2°8	3°1	325	262	81	78	N	7	N	4	9	4	—	—	—	Dull.	
27	56	52	50°0	55°4	56°0	38°0	2°8	2°6	291	366	81	84	W	4	W	2	7	8	—	—	—	Dull.	
28	50	43	60°2	54°0	62°0	47°1	2°2	0°2	450	412	87	99	S	5	SE	6	10	13	—	—	—	∞	
29	27	43	50°5	49°2	56°2	49°0	1°3	0°2	333	345	90	99	SE	4	NW	2	10	7	15	—	—	Dull.	
30	38	40	52°6	52°2	57°6	45°1	2°6	2°2	327	332	82	85	SE	5	SE	8	9	05	—	—	—	Dull.	
31	28°43'	28°48'	53°6	54°5	63°0	48°5	1°1	1°9	381	371	93	87	SE	6	SE	2	8	8	02	—	—	Dull.	
M.	28°627	28°631	52°5	50°5	59°0	44°6	2°8	1°8	326	324	83	88	3°5	3°7	6°8	6°5	3°79	—	—	—	—	—	T 6p.

DUNDEE, FORFARSHIRE, c.d.—JULY 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

1	29°27	29°26	55°5	51°8	60°2	48°5	4°2	2°5	328	321	74	83	SW	3	SW	1	10	10	22	—	—	● 1p.-6p.	[5p. till 10p.]
2	30	26	55°2	51°8	57°2	46°7	3°2	0°9	347	353	80	94	SE	1	NE	1	5	10	15	—	—	● Cloud and sunshine a.	
3	53	68	55°6	54°6	60°0	47°5	4°1	1°6	332	380	75	89	NE	1	SW	1	10	10	11	—	—	● showers all day.	
4	78	87	63°5	53°2	65°8	48°6	5°5	1°7	408	358	69	89	S	1	SE	1	5	10	06	—	—	Fine till 2p. ● 2.30p.-3.30p.	
5	83	64	53°5	53°2	62°0	50°5	1°7	1°7	362	387	89	89	SE	1	NE	1	10	10	34	—	—	Dull and cloudy.	
6	57	74	54°6	53°0	56°8	51°6	0°6	0°5	409	389	96	97	SE	1	SE	1	10	10	04	—	—	● till 9a. ● 10a.-1p.	
7	82	91	50°6	53°3	62°9	51°0	3°6	3°7	357	310	77	77	NW	1	NW	1	10	7	—	—	—	Dull till 10a., then fine.	
8	93	95	60°0	55°5	66°0	42°4	3°8	1°5	401	397	74	72	SE	1	SW	1	5	0	—	—	—	Fine.	
9	95	90	59°4	54°5	67°6	46°5	4°4	4°5	376	306	64	86	NE	3	SE	1	0	10	—	—	—	Fine till 4p., then dull.	
10	85	88	66°5	53°2	71°6	46°3	6°9	2°0	418	349	64	82	S	1	NE	1	0	10	—	—	—	Fine.	
11	29°91	29°93	59°7	52°3	64°2	50°5	5°4	0°9	355	368	69	94	S	1	NE	1	0	10	—	—	—	Fine to 5p.	
12	30°00	30°00	52°7	51°0	62°8	49°0	1°2	0°8	305	353	92	94	SE	1	SE	1	0	10	—	—	—	Fine till 7p.	
13	06	06	54°2	51°5	66°2	48°0	1°6	0°7	375	362	89	95	S	1	SE	1	10	10	—	—	—	≡ all day.	
14	30°05	30°00	52°9	51°2	56°2	48°5	1°0	0°5	372	363	93	97	SE	1	SE	1	10	10	—	—	—	Dull and cloudy.	
15	29°94	29°92	55°0	52°2	57°7	48°0	2°8	3°6	354	299	82	77	NE	3	NE	5	10	10	—	—	—	Dull and cloudy.	
16	94	97	52°2	50°5	59°0	48°0	3°7	1°3	297	333	76	90	NE	3	NE	3	10	10	—	—	—	Fine till 6p., then cloudy.	
17	96	94	53°2	51°8	59°9	48°4	4°0	3°9	302	289	74	75	E	3	NE	3	10	10	—	—	—	Fine to 6p. Dull.	
18	94	89	52°5	52°8	58°5	47°9	4°5	2°3	282	338	71	85	NE	1	E	1	10	10	—	—	—	Dull and cloudy.	
19	82	76	57°8	54°7	63°4	49°0	2°8	1°2	395	394	82	93	SE	1	E	1	10	10	—	—	—	● 12.30p.-3.30p.	
20	62	37	57°6	55°2	58°3	47°5	3°1	0°6	385	419	81	96	S	1	SE	1	10	10	05	—	—	Fine 11a.-6p., then dull.	
21	17	21	59°6	57°2	69°0	51°5	1°6	2°2	459	403	90	86	SW	1	SW	1	10	10	11	—	—	● till 6a. and 10a.-3p.	
22	21	26	58°8	55°5	63°0	53°5	2°2	1°0	428	412	87	94	SW	1	NW	1	10	10	39	—	—	Cloud and sunshine. Fine.	
23	54	75	58°0	47°6	62°4	47°5	3°0	2°4	393	273	81	83	NW	3	NE	1	5	0	—	—	—	Dull and sunshine. Fine.	
24	63	29	50°2	53°0	54°0	40°0	3°0	0°4	289	391	80	97	SE	3	SE	3	10	10	34	—	—	Cloud. ● from 2.30p.	
25	12	17	56°2	54°0	61°2	52°4	2°5	0°6	440	400	98	96	SE	1	NE	3	10	10	71	—	—	● showers. T 3p.-5p.	
26	38	60	55°7	53°6	62°0	50°5	2°4	3°6	374	315	84	76	W	5	W	1	10	10	01	—	—	Cloud and sunshine.	
27	62	57	54°5	60°0	61°4	47°4	2°5	1°3	354	475	83	92	S	1	SW	1	10	10	10	—	—	● 11a.-12.30p.	
28	54	50	60°2	55°2	63°8	54°3	1°2	0°4	482	425	93	98	E	1	E	3	10	10	58	—	—	● from 2p. ≡ from 6p.	
29	25	39	57°7	56°0	61°7	53°7	0°4	2°5	464	378	97	84	SE	1	SW	3	10	5	17	—	—	● 10a.-2p. Cloud and sunshine.	
30	44	46	57°2	53°5	59°7	52°4	3°4	1°0	370	382	79	93	SE	3	SW	3	10	15	—	—	—	Dull to 10a. ● 3p.-9p.	
31	29°49	29°54	56°6	57°7	66°2	52°9	1°4	1°2	417	441	90	93	SE	3	S	1	10	10	04	—	—	Cloud and sunshine. ● showers	
M.	29°660	29°672	56°5	53°6	62°0	49°0	2°9	1°7	377	367	82	89		1°7		1°6	8°1	8°6	3°57	—	—		

† Beaufort Scale (0—12).

GLASGOW, LANARKSHIRE, a.—JULY 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, + '029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	9 a.m.	Min.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.							in.	in.	%	%	WSW	9	W	10	10	10	ins.	hrs.			
2	29.28	29.27	53.1	51.4	50.6	48.9	3.4	3.2	314	300	77	79	*	9	N	4	10	10	0.55	2.4	● 4a.-7a. Dull and cloudy.		
3	28	28	53.5	50.5	50.4	48.5	3.5	1.5	316	328	77	89	—	3	N	4	9	10	0.55	1.8	● showers. T 3.30p.		
4	52	58	58.9	53.5	61.2	48.5	8.1	1.1	285	379	56	92	N	4	—	2	9	7	1.52	6.7	Fine a., then ● showers.		
5	78	85	58.9	52.9	64.7	49.5	5.9	2.4	331	336	66	85	W	8	W	9	3	1	—	1.34	4.3	Fine.	
6	81	86	51.6	55.2	57.1	47.9	2.4	0.4	320	425	83	98	SW	4	—	1	10	100	6.00	—	41	Overcast. ● from 2.30p.	
7	86	70	54.5	55.2	62.0	53.1	1.0	3.4	396	342	94	79	NW	4	NW	6	100	6	—	8.6	51	Dull.	
8	83	89	58.1	55.5	67.3	48.6	6.5	5.0	308	310	64	70	NW	7	NNE	7	9	1	—	8.6	41	Fine a. and evening.	
9	91	91	57.2	56.7	70.9	45.1	6.6	2.8	294	378	62	82	—	3	E	4	4	200	—	10.5	36	Misty till 8a. ∞ all day.	
10	83	87	54.9	56.6	72.8	48.5	3.3	3.0	342	373	79	81	—	3	E	7	4	600	300	—	9.6	42	Fine, with ∞ <sup>o</sup> all day.
11	87	88	62.5	55.9	73.1	49.0	4.0	4.0	360	346	64	75	—	1	E	7	9	900	200	—	12.8	40	Fine, with ∞ <sup>o</sup> all day.
12	29.93	29.93	59.0	59.9	70.8	48.6	2.3	4.0	427	394	86	76	N	4	E	8	5	800	300	—	11.3	48	Fine, with ∞ <sup>o</sup> all day.
13	30.00	29.97	58.2	62.7	75.9	49.8	3.6	6.5	380	369	78	65	—	3	ENE	6	5	400	—	9.4	42	∞ <sup>o</sup> till 7.30a. Fine, with ∞.	
14	29.97	29.97	65.0	54.4	73.1	50.7	8.7	1.9	362	370	57	88	ENE	5	E	8	3	300	10	—	12.7	46	Fine, with ∞.
15	89	87	53.5	54.1	57.3	50.9	3.5	4.0	316	311	77	75	E	12	E	8	10	10	—	—	51	Dull and overcast.	
16	88	90	53.3	52.2	59.1	47.8	5.7	5.2	266	264	65	68	E	12	E	11	10	10	—	1.8	41	Dull and cloudy.	
17	91	92	52.7	51.8	60.7	50.0	5.1	4.4	277	267	68	72	E	10	E	7	10	7	—	7.0	48	Dull till 2p.	
18	90	85	54.2	56.2	61.9	50.3	5.9	6.4	272	289	65	63	E	7	—	3	10	9	—	2.2	46	Dull and cloudy.	
19	80	74	55.8	54.5	57.4	51.6	4.2	2.4	333	357	75	84	SW	7	—	2	10	10	0.28	—	46	Overcast and gloomy.	
20	59	34	52.9	56.3	58.8	49.7	1.7	1.6	353	407	88	89	—	3	WSW	4	100	9	302	—	40	Dull and overcast.	
21	17	20	59.2	56.4	64.4	54.6	3.9	2.0	386	370	77	87	W	11	SW	7	5	10	0.73	6.4	51	● a. Cloudy. ● from 10p.	
22	15	27	56.4	55.2	62.3	53.7	2.1	1.6	393	390	87	90	SW	8	—	3	10	9	560	1.7	51	▲ 4p. K 4p.-4.30p.	
23	57	73	59.2	56.2	63.6	52.2	6.9	4.0	322	290	62	74	NW	10	WNW	7	6	8	0.16	9.4	49	Fine.	
24	54	17	51.3	55.2	56.1	45.4	3.5	0.8	291	413	77	95	SE	6	—	2	100	100	3.26	—	40	Overcast, with ●.	
25	08	19	56.2	55.5	59.9	52.5	2.2	1.5	388	354	86	89	6	NW	4	10	10	10	520	—	53	Dull, with ●.	
26	44	65	56.1	56.6	60.8	50.3	4.8	3.7	323	302	71	76	WNW	12	W	5	7	10	2.27	6.6	48	● early.	
27	28	50	54.0	60.2	64.4	50.4	1.7	2.4	368	444	88	86	SE	4	S	6	100	7	232	0.7	48	● 6a.-noon. Dull.	
28	46	29	61.3	58.9	64.2	58.0	1.7	2.2	486	429	90	86	S	5	NE	7	10	10	703	—	54	Overcast. T 11p.	
29	19	35	56.2	56.5	63.7	54.2	0.6	2.9	434	374	96	82	E	6	SW	8	100	9	0.22	4.9	54	Dull a. Cloudy 1p.-7p.	
30	36	35	56.2	55.1	57.2	52.8	3.8	1.6	347	388	76	89	S	12	S	10	10	9	328	0.3	49	Overcast, with ●.	
31	29.44	29.52	58.9	56.3	64.2	54.9	2.7	2.6	414	379	83	83	SW	7	SSW	4	9	10	1.40	1.0	53	Dull, with ●.	
M.	29.634	29.633	56.5	55.3	64.0	50.6	4.1	3.0	347	358	76	82	6	6	8.3	7.5	4.561	151	46.4				

† ESKDALEMUIR, DUMFRIESSHIRE.—JULY 1910.

Height above Mean Sea Level, 799 feet. Heights above Ground:—Bar., —21 feet. Therms., 4 feet. Rain-gauge, 11 inches.  
Long. 3° 12' W. Lat. 55° 19' N. Gravity Correction, +.025 in.

[illegible]

\* Miles per hour.

† The Observations at Eskdalemuir were taken at 10 a.m. and 10 p.m., the Max. and Min. Thermometers being read and set at 10 p.m.

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JULY 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	29°17	ins.	53°2	48°8	59°1	44°5	3°0	1°2	327	316	81	91	W	6	W	2	8	3	ins.	hrs.	°	Fine a., then ● showers.	
2	29°13	ins.	53°2	48°8	59°1	44°5	3°0	1°2	327	316	81	91	W	6	W	2	8	3	ins.	hrs.	°	● noon-1.30p. Fine n.	
3	29°34	29°21	54°4	45°5	59°9	45°0	3°3	0°5	333	293	79	96	W	2	Calm	0	6	3	10	4°8	41	● showers a.	
4	29°63	29°41	50°4	50°1	60°3	44°2	0°4	1°0	356	336	97	93	NNE	1	Calm	0	8	3	10	9°2	40	Dull a. T 6p. ● 7.30p.	
5	29°69	29°57	54°7	50°9	61°4	42°9	2°4	0°0	360	373	84	100	NW	1	SE	1	8	10	11	3°0	39	Dull, with ●.	
6	29°35	29°22	53°9	53°9	61°0	50°3	1°4	1°8	376	364	91	88	Calm	0	SW	1	10	9	10	4°8	50	Dull.	
7	29°62	29°50	52°6	51°1	57°5	48°9	0°0	1°2	397	345	100	91	SE	3	NW	2	10	9	10	5°0	50	Dull, with ●.	
8	29°75	29°62	51°7	50°7	57°4	47°5	2°8	1°7	361	336	83	89	NW	4	NNE	3	9	9	—	2°9	43	Dull.	
9	29°75	29°62	51°7	50°7	57°4	47°5	2°8	1°7	361	336	83	89	NW	4	NNE	3	9	9	—	1°2	46	Dull.	
10	29°67	29°54	51°8	49°0	57°6	46°5	2°8	0°9	313	325	81	94	N	3	NNE	4	9	4	—	8°7	47	Fine.	
11	29°76	29°63	52°0	51°0	63°0	48°5	1°3	1°0	368	348	91	93	NNE	2	NNW	3	10	10	—	6°2	44	Fine.	
12	29°80	29°67	52°0	51°0	63°0	48°5	1°3	1°0	368	348	91	93	NNE	2	NNW	3	10	10	—	6°2	44	Fine.	
13	29°86	29°73	52°0	49°8	63°1	48°0	0°7	0°0	376	358	95	100	Calm	0	SE	1	10	10	10	5°6	49	Fine. Misty n.	
14	29°85	29°72	52°0	49°8	63°1	48°0	0°7	0°0	376	358	95	100	Calm	0	SE	1	10	10	10	5°6	49	Dull. Thick mist n.	
15	29°72	29°59	52°1	51°4	58°3	49°8	1°2	2°4	357	318	91	84	NE	2	NE	3	10	10	10	—	49	Fine. Thick mist n.	
16	29°71	29°58	52°1	51°4	58°3	49°8	1°2	2°4	357	318	91	84	NE	2	NE	3	10	10	10	—	49	Fine.	
17	29°73	29°60	52°1	51°4	58°3	49°8	1°2	2°4	357	318	91	84	NE	2	NE	3	10	10	10	—	49	Fine.	
18	29°70	29°57	52°1	51°4	58°3	49°8	1°2	2°4	357	318	91	84	NE	2	NE	3	10	10	10	—	49	Fine.	
19	29°67	29°54	52°1	51°4	58°3	49°8	1°2	2°4	357	318	91	84	NE	2	NE	3	10	10	10	—	49	Fine.	
20	29°49	29°36	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
21	29°01	29°13	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
22	29°09	29°21	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
23	29°35	29°47	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
24	29°47	29°59	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
25	29°47	29°59	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
26	29°19	29°31	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
27	29°49	29°61	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
28	29°40	29°52	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
29	29°08	29°20	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
30	29°34	29°46	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
31	29°36	29°48	52°5	52°3	59°8	49°5	1°9	3°3	381	283	88	78	NE	2	NE	4	10	10	—	0°2	47	Dull.	
M.	29°485	29°498	55°5	52°1	61°1	48°7	2°6	1°6	369	350	84	90	2°6	2°0	8°5	8°1	2°25	111	46°5				

## DOUGLAS, ISLE OF MAN, a.—JULY 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.

Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

1	29.29	29.28	52.9	50.0	57.6	47.0	1.5	1.0	359	334	90	93	W	3-4	W	†	9	7	023	3.6	44	● showers.	
2	29.19	29.18	52.9	49.8	57.5	48.2	1.9	0.4	348	348	87	97	NW	3	NW	5-6	6	9	190	2.2	45	● showers a. and p.	
3	29.42	29.41	50.6	51.0	59.0	48.0	3.3	1.0	359	348	79	93	NNE	3	NW	3-4	8	4	010	8.5	47	Squally, with ● showers.	
4	29.72	29.70	50.5	51.0	59.5	49.5	3.0	1.2	357	343	81	92	NNW	4-5	NW	4-5	2	8	—	13.9	48	Squally.	
5	29.74	29.72	51.4	53.2	56.0	48.6	1.8	0.0	373	406	88	100	SW	2	Calm	0	9	100≡	755	0.1	46	Δ a. ● ≡ p. ● 8.40p.	
6	29.50	29.48	54.3	51.5	57.3	51.0	2.0	1.3	395	346	86	90	NW	6-7	NW	6-7	6	8	—	8.5	50	Squally.	
7	29.76	29.74	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	4	—	13.5	49	Fine but squally.	
8	29.83	29.81	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	0	—	15.2	43	Δ a. Very fine.	
9	29.79	29.77	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	0	—	14.3	46	Δ a. Very fine.	
10	29.73	29.71	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	0	—	15.4	48	Very fine.	
11	29.78	29.76	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	2	—	9.0	50	Δ a. and p. Very fine.	
12	29.88	29.86	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	3	—	14.4	47	Δ ∞ a. Very fine.	
13	29.88	29.86	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	3	—	13.5	50	Δ a. Very fine.	
14	29.85	29.83	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	1	—	13.6	51	Δ ∞ a. Very fine.	
15	29.70	29.68	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	2	—	8.0	49	Δ a. Gloomy from 4p.	
16	29.69	29.67	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	7	—	12.5	52	Fine but squally.	
17	29.71	29.69	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	6	—	12.5	49	Fine but squally.	
18	29.73	29.71	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	0.2	—	15.1	46	Δ a. Δ p.	
19	29.73	29.71	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	9	7.4	055	0.2	43	Δ a. and p. Gloomy.
20	29.52	29.50	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	10●	760	—	49	—	≡ 2p.-6.30p. ● 5p.
21	29.19	29.17	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	3	7	—	10.0	55	Fine but squally.
22	29.15	29.13	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	8	—	5.0	51	Dull a. Δ p.	
23	29.50	29.48	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	2	6	103	12.6	51	—
24	29.47	29.45	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	100≡	9	204	0.2	40	≡ till 3p. ● showers p.
25	29.40	29.38	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	9	10●	756	0.9	52	Dull a. ● squalls from 2p.
26	29.46	29.44	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	9	92	143	8.5	49	Δ a. ● showers. Δ p.
27	29.52	29.50	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	10	10≡	033	—	48	● showers a. ≡ 2 from 7p.
28	29.37	29.35	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	9●	300	0.5	56	≡ 2 till 11a. and noon-2p.	
29	29.32	29.30	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	7	—	10.4	51	Squally. Δ p.	
30	29.33	29.31	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	9	9	023	2.5	51	Gloomy and squally. ● sh
31	29.40	29.38	50.5	51.5	58.3	50.0	3.2	1.7	347	336	80	89	NW	3-4	NW	3-4	4	100≡	82	055	2.4	54	● showers till 2 p. Δ p.
M.	29.548	29.553	56.9	54.7	61.9	50.7	3.1	2.6	377	360	81	85	3.3	2.8	6.1	6.0	3.410	254	48.7				

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—JULY 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., -12 feet. Therms., 7 feet. Rain-gauge, 2 feet.

Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.023 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.		Percentage.												
			9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.	°	
1	ins.	ins.	56°5	51°0	58°5	47°8	6°0	2°0	in.	in.	%	%	WSW	11	—	2	100	5	ins.	hrs.	°		
2	29°22	29°17	56°5	51°0	58°5	47°8	6°0	2°0	300	323	66	86	*				100	5	390	34	44	● showers. Sunny intervals.	
3	29°12	29°17	56°5	51°0	58°5	47°8	6°0	2°0	339	342	86	85	W	7	—	2	100	10	270	11	43	● all day.	
4	29°27	29°17	55°3	52°4	57°5	46°1	2°2	2°2	345	335	78	85	—	1	—	1	8	6	085	3°5	43	● showers. Sunny intervals.	
5	29°46	29°17	58°0	54°8	60°4	49°1	3°4	2°2	388	359	80	84	W	7	W	5	7	10	—	6°0	37	Fine all day.	
6	29°46	29°17	54°8	56°0	60°6	52°0	3°6	1°0	332	349	77	93	W	4	—	1	10	100	1°130	0°4	51	Dull. ● from 4p.	
7	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
8	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
9	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
10	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
11	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
12	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
13	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
14	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
15	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
16	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
17	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
18	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
19	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
20	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
21	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
22	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
23	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
24	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
25	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
26	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
27	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
28	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
29	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
30	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	357	365	74	81	NNW	4	NW	6	10	4	—	1°1	51	Cloudy a. Fine afternoon.	
31	29°51	29°17	55°2	50°2	57°6	54°7	1°7	2°4	387	383	89	85	NW	12	NW	6	100	10	030	0°1	53	● showers.	
M.	29°456	29°468	58°6	56°4	64°0	50°4	4°6	3°5	360	360	73	79	7	5	6°8	6°2	4°428	176	476				

## SHREWSBURY, SHROPSHIRE.—JULY 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.	9 p.m.							
1	29.44	ins.	ins.	57.2	53.0	62.0	48.2	5.1	2.0	in.	in.	%	%	WSW	2	WSW	2	9	ins.	hrs.	°	• showers p.	
2	29.44	29.37	38	55.9	52.7	60.0	48.9	3.1	4.0	331	296	80	74	SW	2	SW	2	10	4	19	—	46	• 3.30p.-3.45p.
3	29.41	33	53	55.0	52.2	60.0	49.0	3.7	2.4	332	328	77	84	NW	1	NNW	1	10	10	13	—	47	• 9.10a.-9.20a. T 1p.
4	29.41	38	58	58.5	54.9	66.0	47.5	4.8	3.9	354	326	72	75	NW	2-3	NNW	1	6	7	—	—	43	Fine.
5	29.45	64	58.1	57.1	57.1	63.0	47.2	4.4	0.1	359	464	74	99	NNW	2	S	2	9	10	80	—	44	Fine a. • from 2.40p.
6	29.53	69	55.0	55.0	61.5	54.4	3.9	2.0	327	375	76	87	NW	4-5	NW	4	10	10	10	03	—	55	Cloudy. • 7.30p.-8p.
7	29.81	82	55.0	53.9	62.0	52.8	4.0	2.9	325	335	75	81	NW	3	NNW	3	10	10	—	—	—	51	Dull a. Sunny intervals p.
8	29.86	88	56.0	58.0	62.0	50.5	4.0	2.0	340	421	75	87	NNW	2	NW	1	9	9	—	—	—	47	Cloudy and close.
9	29.78	84	62.9	58.4	71.6	53.3	5.0	2.4	413	415	72	85	N	2	Calm	0	2	7	—	—	—	48	Fine and bright, but close.
10	29.77	78	56.0	57.0	63.0	47.9	4.6	3.0	326	377	72	81	NNW	2	S	1	7	10	—	—	—	43	Sunny and warm.
11	29.83	85	59.1	59.3	70.3	53.7	4.2	4.1	376	382	75	75	SE	3	E	1	7	10	—	—	—	54	Sunny and warm.
12	29.90	89	63.0	59.0	76.1	45.8	4.2	3.0	437	407	76	82	ESE	1	Calm	0	2	7	—	—	—	43	Bright till 4p.
13	29.96	94	61.1	63.4	77.1	46.7	2.9	4.5	444	442	82	75	SE	2	SE	1	0	8	—	—	—	43	Bright till 7.30p.
14	29.93	82	64.9	62.9	78.0	48.1	4.2	6.0	470	386	77	68	SE	1	SSE	1	0	0	—	—	—	44	Fine and very warm.
15	29.77	72	54.3	55.9	63.0	51.9	2.3	2.9	357	366	84	82	E	3	E	3	10	10	—	—	—	48	Dull and cool.
16	29.74	73	55.0	54.0	67.9	52.4	4.0	3.2	325	329	75	79	SE	3-4	ENE	2	10	5	—	—	—	52	Dull a. Bright p.
17	29.69	72	55.3	56.1	63.8	51.5	2.3	3.8	372	347	85	76	NE	3	NE	3-4	9	9	—	—	—	48	Dull and cool.
18	29.76	80	59.0	55.0	68.9	47.6	6.4	2.6	321	359	64	83	NE	2-3	Calm	0	4	7	—	—	—	46	Fine.
19	29.80	77	56.0	56.0	65.7	51.4	4.6	3.1	336	363	72	80	NW	1	W	1	9	10	—	—	—	39	Dull all day.
20	29.66	49	57.8	59.6	63.0	45.0	3.0	0.6	391	491	82	96	SE	2	SW	1	10	10	25	—	—	47	• 10.45a.-4.15p. and from 8.30p.
21	29.34	40	61.8	58.9	65.7	58.2	3.7	3.9	432	381	79	76	WSW	4	WSW	4	8	7	20	—	—	57	Dull. • 8p.
22	29.35	31	63.0	57.0	67.5	54.8	6.0	3.0	387	377	67	81	SW	2-3	NW	6	9	4	—	—	—	52	Dull a. • noon-3p.
23	29.62	80	56.0	53.7	61.1	53.6	4.0	4.2	340	303	75	73	NW	3	NW	1	9	9	—	—	—	53	Cloudy and close a. Fine p.
24	29.66	34	54.8	58.4	65.4	45.0	3.4	2.1	337	424	78	87	SW	3	SW	2	10	9	30	—	—	41	• showers. Sunny intervals.
25	29.18	28	58.8	55.4	66.0	53.5	3.7	4.4	386	322	78	73	SSW	4	NNW	5	6	10	005	—	—	52	Sunny a.
26	29.49	72	54.0	54.0	61.5	51.4	3.2	3.0	329	334	79	80	NW	4	NNW	3	10	10	—	—	—	50	Cloudy.
27	29.07	63	59.9	63.0	69.6	50.0	4.8	2.7	373	484	72	84	SSW	3	SW	2	7	10	03	—	—	49	Sunny intervals.
28	29.50	29	60.9	61.0	70.8	59.2	1.1	3.8	497	416	94	78	S	3	SSE	4	10	10	06	—	—	59	• showers. Sunny intervals.
29	29.38	53	59.3	54.4	66.1	54.2	5.9	2.6	337	351	67	83	WSW	4	SW	3	5	7	—	—	—	54	Sunny intervals.
30	29.53	51	61.0	56.1	68.0	51.2	5.7	3.1	366	364	69	80	SSW	4	S	3	7	2	—	—	—	49	Sunny and warm.
31	29.52	29.58	61.9	55.0	67.1	42.7	5.0	3.0	397	349	72	81	SSW	2	Calm	0	7	4	—	—	—	41	Fine and bright.
M.	29.643	29.644	58.2	56.8	66.2	50.6	4.1	3.0	369	376	76	81	2.6	2.0	7.5	7.1	2.015	—	48.1	—	—	—	—

## CAMBRIDGE, a.—JULY 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +.019 in.

	†		†																					
1	29.62	29.58	60.0	55.3	64.9	49.5	5.5	4.3	357	323	69	73	W	3	SW	3	7	8	—	9.0	46	Fine and sunny.		
2	54	53	57.0	51.0	64.0	50.4	3.5	0.5	364	361	78	97	SW	2	SW	1	9	3	18	4.3	46	Sunny intervals. T p.		
3	58	29.74	54.5	52.7	64.0	47.5	2.8	0.7	347	378	81	95	NW	3	N	2	10	3	13	2.5	43	☾ 5.30p.		
4	29.91	30.01	59.2	56.0	66.2	47.6	4.6	1.0	368	419	73	93	N	4	Calm	0	6	7	—	7.8	43	Sunny intervals.		
5	30.01	29.88	55.3	59.0	63.2	46.5	0.5	1.8	423	442	97	89	NW	3	SW	4	10	10	4.7	1.8	41	Overcast most of day.		
6	29.56	29.79	57.0	53.0	60.0	53.0	1.5	1.5	420	361	90	90	NWbyW	5	NW	2	10	4	20	—	48	• showers.		
7	91	29.95	58.3	53.0	62.1	45.7	5.8	0.9	327	377	67	94	NW	3	N	1	9	10	0.9	4.4	44	Overcast from 8a.		
8	98	30.01	54.6	54.5	60.7	50.5	1.1	1.5	395	381	93	90	NNW	4.5	N	1	10	10	0.2	0.5	50	Overcast.		
9	98	29.96	51.7	52.0	58.5	51.2	0.7	2.0	365	335	95	86	N	3	N	2	10	8	—	2.2	52	Sunny intervals 3p.-6.30p.		
10	91	29.93	53.8	56.0	58.0	49.9	1.2	1.8	380	397	91	88	NW	2	N	1	10	10	—	—	45	Overcast.		
11	29.99	30.02	58.0	56.0	63.0	53.0	4.3	1.0	360	419	75	93	NNE	2	NNE	2	7	0	—	10.5	45	Beautiful day.		
12	30.06	30.07	54.0	56.7	70.0	50.4	1.0	1.2	388	424	93	93	NNE	1	NNE	2	10	0	—	8.5	47	Sunny from 11.30a.		
13	12	12	55.0	61.0	69.0	52.0	1.5	2.0	389	470	90	88	N	2	NE	1	10	0	—	8.3	49	Overcast till 11a.		
14	30.10	30.00	54.6	55.2	69.3	49.5	0.7	1.2	407	401	95	92	NNW	1-2	N	1	10	0	—	8.3	48	Fine and sunny from 11.30a.		
15	29.91	29.86	56.6	56.0	63.0	54.0	2.6	1.9	383	394	83	88	SE	2	NNE	3-4	10	10	—	—	51	Overcast and gloomy.		
16	88	29.87	57.4	56.8	66.8	54.0	3.9	2.2	367	406	77	86	NNE	3	N	3	10	10	—	9.3	53	Sunny 9a.-6.30p.		
17	76	80	61.3	57.9	65.9	56.0	1.3	1.0	498	450	92	94	N	4	N	3-4	10	7	22	—	55	Overcast. • 11a.-4p.		
18	83	94	55.0	54.3	58.2	54.0	2.1	2.1	403	363	93	85	N	4.5	NNE	5	10	10	0.1	—	54	• 6a.-7.45a. Overcast.		
19	96	92	58.2	59.4	67.0	44.5	6.1	2.5	318	428	66	85	NW	3	Calm	0	1	10	—	8.9	40	Sunny 6a.-3p.		
20	85	70	61.0	60.2	70.2	54.0	4.0	1.0	410	489	77	94	SW	2	SW	3-4	9	10	2.0	3.1	53	Sunny intervals a. • 2p.-8p.		
21	51	62	65.0	59.7	72.0	59.0	3.0	4.7	510	372	83	72	SW	6	SW	2	9	10	—	5.5	58	• early a. Squally.		
22	60	52	61.0	58.0	67.0	57.0	3.7	2.1	419	418	79	86	SW	3	SW	2-3	10	1	0.2	3.8	55	Sunny intervals p. • 5p.		
23	68	92	60.8	53.5	66.1	53.0	4.3	4.5	399	293	66	71	W	4	W	2-3	10	7	—	5.0	50	Sunny intervals.		
24	90	64	61.1	57.0	62.7	44.0	6.1	2.0	357	405	66	87	SW	4	S	6	8	10	0.2	4.3	39	Sunny 5.30a.-9a. • p.		
25	36	45	60.2	57.4	68.0	56.0	3.6	3.5	410	370	79	78	SW	4.5	SW	4	10	10	16	6.1	51	T 11a. — T 5p.		
26	57	88	53.0	53.1	61.0	50.3	1.8	3.8	352	305	87	75	SW	5	SW	1	10	10	—	1.2	49	Overcast most of day.		
27	92	89	60.0	59.5	67.0	48.0	6.0	2.5	344	429	66	85	E	2-3	Calm	0	9	9	—	5.0	42	Sunny intervals till 3p.		
28	76	55	63.4	62.2	73.0	56.1	4.4	3.3	438	450	75	81	E	2	E	2	8	9	—	7.3	50	Sunny intervals.		
29	56	75	60.3	56.2	68.0	51.8	3.4	4.0	416	342	80	75	SW	2	Calm	0	10	9	—	7.0	53	Sunny from noon.		
30	78	70	62.2	59.5	68.0	51.8	6.3	4.8	368	367	66	72	S	2	SE	2	9	7	—	7.0	50	Sunny intervals.		
31	29.70	29.76	65.0	57.5	72.8	51.8	8.0	2.3	366	405	59	85	NNW	2	Calm	0	6	5	—	10.8	47	Sunny 7a.-6p.		
M.	29.800	29.816	58.2	56.5	65.5	51.5	3.4	2.2	389	393	80	86		3.1		2.0	8.9	7.0	1.72	152	48.5			

SOUTHAMPTON, HAMPSHIRE, a.—JULY 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	59.9	54.0	63.1	48.8	4.8	1.5	.373	.374	72	90	NW	3	SW	3	4	1	ins	hrs.	°	● showers. T 7p.	
2	29.65	29.63	59.9	54.0	61.5	51.3	2.4	3.5	.350	.329	84	77	SW	3	NW	3	8	6	2.90	3.9	45	● showers. T 7p.	
3	"	"	57	54.0	54.4	51.3	4.1	1.0	.349	.350	75	93	NW	2	NW	2	8	10	2.10	6.1	49	● showers.	
4	29.62	29.74	57.0	51.2	63.0	50.4	4.1	1.0	.349	.350	70	76	NW	3	NW	3	2	10	2.40	4.9	47	● showers.	
5	29.95	30.04	60.0	58.0	68.3	47.0	5.2	4.0	.364	.367	70	76	NW	3	NW	3	2	10	—	11.7	41	Fine.	
6	30.04	30.00	60.1	57.0	67.9	49.5	4.9	4.0	.373	.453	72	97	NW	2	SW	4	10	100	2.80	1.3	41	● 5.30p.-11p.	
7	29.66	"	62.9	58.2	65.1	56.8	4.8	3.9	.418	.372	73	77	NW	5	NW	4	6	10	—	5.6	57	Sunny intervals.	
8	"	"	58.0	57.2	66.1	53.9	4.4	2.9	.357	.383	74	82	NW	4	N	2	10	—	—	1.4	50	Dull and cloudy.	
9	"	"	60.3	57.8	65.1	53.8	5.2	3.7	.369	.372	71	78	NE	4	NE	2	9	2	—	1.7	52	Fine, but cloudy.	
10	"	"	59.0	55.6	66.1	55.2	3.6	3.0	.391	.360	78	81	NE	2	NE	2	10	1	—	5.8	51	Dull a. Fine p.	
11	29.90	"	57.8	55.3	62.0	47.0	4.9	3.9	.342	.332	72	75	NE	3	NE	3	10	10	—	3.5	38	Sunny intervals p.	
12	29.95	29.97	58.9	56.0	63.2	54.3	4.9	1.4	.355	.408	71	91	NE	2	SE	1	10	—	—	0.9	48	Dull to fine. ☁ p.	
13	30.02	30.02	58.9	61.0	66.2	50.8	3.7	2.7	.387	.448	77	84	NE	3	NE	2	10	2	—	3.2	44	Fine, but cloudy. ☁ p.	
14	"	"	64.0	59.2	74.1	51.9	10.4	2.0	.298	.439	50	88	SE	2	SW	2	2	0	—	10.2	44	Fine and warm. ☁ p.	
15	30.05	29.96	69.1	59.1	75.1	49.8	6.9	2.3	.462	.429	65	86	NE	3	SE	3	0	9	—	11.1	46	Fine and warm.	
16	29.83	"	75.1	61.1	72.1	55.9	5.0	4.4	.385	.401	72	75	NE	4	NE	5	9	10	—	8.3	55	Much cloud early a.	
17	29.83	"	76.0	61.1	66.1	55.7	1.9	3.8	.410	.418	87	78	NE	3	NE	3	10	10K	3.80	—	56	● showers. K 8.15p.-9p.	
18	"	"	63.0	62.5	65.1	54.2	3.9	2.1	.446	.493	78	87	NE	5	NE	4	9	7	—	1.90	0.9	53	● 11a.-2p.
19	"	"	59.0	59.0	63.0	55.5	1.9	3.4	.394	.396	88	80	NE	4	NE	3	10	8	—	—	56	Dull and cloudy.	
20	"	"	57.1	57.6	66.0	48.1	4.2	2.0	.348	.415	75	87	SW	2	SW	3	2.00 <sup>0</sup>	10	—	0.50	7.9	41	Fine. Cloudy n.
21	"	"	59.0	68.0	66.1	54.3	5.9	1.0	.332	.499	67	94	SW	3	SW	4	100 <sup>0</sup>	100	0.90	0.3	50	● 6a.-9.30a. ● 8p.-9.30p.	
22	"	"	61	66	62.4	58.5	66.0	58.3	1.8	1.5	.502	.443	90	90	SW	5	SW	3	10	100	—	58	● showers 7p.-9p.
23	"	"	58	60.2	57.1	64.3	56.3	3.0	1.9	.426	.410	82	87	SW	3	SW	4	10	0	—	3.7	56	● 1.30a.-3a. ☁ p.
24	"	"	59	63.7	55.1	68.2	55.0	6.5	4.1	.384	.324	65	74	NW	5	NW	2	4	1	—	8.6	51	Fine.
25	"	"	58.3	57.7	59.1	51.8	4.7	0.9	.353	.450	72	95	SW	3	SW	5	10	—	4.80	0.1	45	Windy, with ● 10.30a.-9.30p.	
26	"	"	57	61.2	57.2	63.4	56.2	5.2	4.3	.381	.347	71	74	W	4	NW	4	2	4	0.90	4.5	55	● showers a. and 11p.
27	"	"	58.0	53.2	63.1	51.7	5.8	2.7	.323	.333	67	82	NW	5	NW	3	2	1	—	7.4	40	Fine. ☁ p.	
28	"	"	59.0	59.9	60.4	49.7	4.8	1.3	.359	.474	72	93	SW	4	S	3	10	10	0.05	0.8	40	● noon-3p.	
29	"	"	61	66.0	60.5	69.5	58.0	6.9	1.1	.409	.490	64	93	SE	4	SE	4	6	100	1.50	6.4	56	● showers 6p.-11p.
30	"	"	67	60.0	57.0	66.6	56.5	4.9	2.2	.372	.399	72	86	SW	4	SW	3	9	8	—	7.3	53	Fine. ☁ p.
31	"	"	69	61.1	59.7	66.6	54.0	5.0	2.9	.385	.422	72	83	SE	3	SW	3	10	10	—	2.8	47	Fine, but cloudy.
31	29.71	29.79	64.0	58.2	69.9	55.1	6.0	2.6	.403	.407	67	84	NW	2	W	2	2	2	—	7.5	52	Fine.	
M.	29.808	29.818	60.2	57.7	65.9	53.1	4.8	2.5	.381	.404	73	84	3.4	3.0	7.3	6.5	2.5	15	138	49.1			

## PLYMOUTH, DEVONSHIRE, a.—JULY 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar, 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	29°65	29°62	55°5	53°8	61°0	48°5	3°1	2°8	354	337	80	81	W	13	WSW	11	10	10	°06	2'2	41	Dull, with ● showers.	
2	58	62	55°2	55°2	61°5	51°1	2°4	4°6	368	315	85	72	W	11	W	10	6	3	31	9'4	46	Sunny intervals.	
3	66	29°78	54°0	54°3	60°2	54°0	2°0	3°3	360	332	86	79	NW	12	NNW	7	10	2	08	9'1	49	● showers <i>a</i> .	
4	96	30°07	60°0	56°0	62°0	50°0	7°0	4°0	321	340	62	75	N	11	NW	8	4	6	01	8'2	43	Sunny intervals.	
5	30°04	29°89	57°0	57°0	58°0	53°5	1°7	1°3	414	425	89	91	SW	6	W	6	10	10	29	—	52	Cloudy, with ●. Misty <i>P</i> .	
6	87	58°0	57°0	62°8	56°0	50°0	3°0	2°7	393	385	81	83	NW	16	NW	7	10	3	—	6°0	56	Fine.	
7	95	97	65°0	57°0	65°0	52°8	6°0	4°0	344	351	66	75	N	15	N	7	3	1	—	14°9	48	Continuous sunshine.	
8	96	98	63°0	57°0	65°0	49°5	6°0	2°0	387	405	67	87	N	6	—	0	5	8	—	4°6	40	Sunny <i>a</i> .	
9	95	96	62°6	59°8	64°8	55°1	5°6	4°0	391	393	68	77	—	0	N	4	9	1	—	0°6	49	Dull.	
10	86	88	58°0	57°3	60°4	52°1	2°5	2°3	407	403	84	86	—	2	—	0	10	10	—	2°7	46	Dull.	
11	88	91	56°8	57°0	61°9	55°3	1°9	4°0	405	397	87	76	E	10	—	3	10	9	—	2°3	50	Dull.	
12	29°93	29°97	65°8	58°0	70°0	52°9	6°8	2°0	408	421	65	87	E	7	—	1	1	3	—	12°2	48	Fine and sunny.	
13	30°01	30°05	69°3	56°8	71°3	52°8	7°3	3°8	454	354	63	76	E	7	—	1	1	1	—	14°1	44	Fine and sunny.	
14	29°88	29°88	70°6	62°0	73°9	51°0	7°4	3°0	474	456	64	82	E	5	S	7	0	10	—	9°0	44	Sunny <i>a</i> .	
15	71	69	62°0	60°0	63°5	57°8	4°0	2°0	427	453	77	88	E	22	NE	7	3	10	39	2°6	54	Fine <i>a</i> . ● in afternoon.	
16	70	68	59°0	60°3	62°0	56°8	2°0	2°3	430	449	88	86	E	16	NE	10	9	10	02	—	56	Dull and gloomy.	
17	63	63	62°0	60°3	64°1	55°0	4°8	1°2	405	483	73	93	NE	11	N	17	7	9	54	0°1	53	● in evening.	
18	77	89	60°0	59°0	66°4	55°7	3°2	2°0	417	430	81	88	NE	10	N	7	7	2	—	2°2	55	Sunny intervals.	
19	94	92	61°0	58°0	65°2	51°1	5°0	3°0	383	393	72	81	NW	5	WSW	6	4	9	24	8°1	46	Sunny <i>a</i> .	
20	80	77	61°5	60°0	65°8	56°8	1°6	1°0	498	485	91	94	NW	7	WSW	14	9	10	10	1°7	57	Dull.	
21	62	64	62°2	58°0	62°6	58°0	1°6	6°0	504	318	92	87	SW	18	W	13	8	7	05	4°3	56	● showers.	
22	59	60	58°0	58°0	62°6	55°9	1°2	2°0	445	421	92	82	SW	14	WSW	9	6	2	06	9'7	51	Sunny intervals.	
23	84	30°00	61°0	56°3	63°2	56°3	5°0	2°7	383	377	72	83	N	14	WSW	9	6	2	—	32	—	49	Windy, with ●.
24	88	29°60	57°0	59°0	60°0	53°8	1°1	0°0	431	500	92	100	SW	18	SW	16	9	10	—	6°	53	Squally, with sunny intervals.	
25	47	66	58°0	56°0	61°3	54°9	3°0	4°0	393	340	81	75	W	21	NW	14	6	3	—	11°9	47	Fine and sunny.	
26	85	89	58°9	56°0	62°7	52°3	7°0	3°0	308	365	62	81	NW	14	WSW	8	5	7	14	0°1	53	≡ <i>a</i> . ● in evening.	
27	81	78	59°0	59°0	63°0	53°2	0°1	1°2	497	461	99	93	SSE	6	S	11	10	10	76	0°1	53	● showers.	
28	58	41	63°0	59°0	63°0	55°4	2°6	1°0	487	467	84	94	S	16	SSW	18	3	10	40	2°8	56	Fine and sunny.	
29	62	70	60°0	57°0	63°0	53°8	4°2	2°0	390	405	75	87	SW	13	SW	10	5	8	—	7°8	51	Fine and sunny.	
30	66	66	61°7	56°3	63°0	56°2	3°1	0°3	448	444	82	98	S	10	—	2	5	4	04	3°4	53	Fine, then cloudy and sultry.	
31	29°67	29°74	61°8	58°0	64°0	53°0	2°8	3°0	459	393	83	81	—	1	WSW	9	6	3	—	8°4	49	Fine and sunny.	
M.	29°785	29°793	60°4	57°7	63°7	53°9	3°7	2°6	413	402	79	84	—	11	—	8	6°5	6°4	4°00	165	50°0		

\* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—JULY 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, + '025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								9 a.m.	9 p.m.	
1	ins.	ins.	52.0	48.7	60.0	48.4	2.0	0.7	.335	.326	86	95	SW	4	—	1	9●	9	ins.	hrs.	°	
2	29.35	29.38	52.8	50.0	60.7	47.5	1.8	1.9	.350	.312	87	87	NW	4	—	3	9	10	.290	2.6	45	● showers.
3	.34	.46	52.8	50.0	60.7	47.5	1.8	1.9	.350	.312	87	87	NW	4	—	3	9	10	.037	2.1	46	A few ● showers.
4	.57	.74	54.0	51.8	62.5	48.5	3.0	3.2	.334	.304	80	79	—	3	—	2	10	10	.36	3.6	49	Fine.
5	.92	.54	52.2	59.5	50.8	3.0	1.5	.349	.350	80	90	—	2	—	0	10	10	.035	—	51	Overcast.	
6	.76	.60	55.0	56.5	51.0	50.9	1.0	0.1	.403	.453	93	99	S	6	—	0	10	10	.325	—	49	● nearly all day.
7	.67	.84	56.0	51.0	64.7	50.5	4.2	2.0	.375	.323	75	86	NW	4	—	2	10	2	—	5.4	48	Fine and sunny.
8	.91	.94	56.8	50.7	66.0	48.0	4.9	2.7	.355	.302	72	82	—	3	—	2	9	3	—	11.8	43	Fine and sunny.
9	.88	.93	59.8	51.0	64.3	43.7	5.0	1.1	.367	.346	71	92	—	2	—	2	8	0	—	12.4	37	Fine and sunny.
10	.81	.80	60.0	57.0	70.0	44.0	5.4	1.1	.359	.431	69	92	—	2	—	2	0	0	—	14.5	39	Fine and sunny.
11	.83	.87	66.3	57.8	73.7	46.2	6.3	2.9	.431	.394	67	82	—	2	—	2	0	0	—	14.3	41	Fine and sunny.
12	.91	.93	63.8	57.0	70.0	49.6	5.8	2.0	.405	.405	68	87	—	3	—	2	0	0	—	14.1	44	Fine and sunny.
13	.97	.97	67.8	63.0	76.0	47.2	6.3	4.1	.458	.440	68	77	—	2	—	0	0	0	—	14.2	43	Fine and sunny.
14	.95	.97	68.0	58.9	75.3	51.9	8.0	1.9	.413	.437	60	88	—	2	—	2	0	0	—	13.3	47	Fine and sunny.
15	.77	.84	57.9	61.3	70.5	51.7	0.9	1.5	.452	.492	94	91	—	1	—	2	10	0	—	9.9	51	≡ early a. Very fine from 10a.
16	.77	.75	60.0	54.9	65.9	49.7	4.1	2.0	.392	.375	76	87	NE	6	ENE	4	2	0	—	14.6	44	Fine, but with cool wind.
17	.77	.79	53.7	53.2	63.3	50.7	3.3	3.1	.324	.323	78	80	NE	6	NE	4	10	0	—	8.0	50	Cool wind.
18	.83	.83	53.0	53.6	63.0	44.8	4.1	2.1	.297	.353	74	86	NE	6	—	2	10	8	—	6.3	38	Cool wind.
19	.87	.85	58.8	55.5	63.2	44.5	6.5	4.0	.317	.333	64	75	—	3	—	0	1	10	—	10.2	38	Fine.
20	.80	.72	55.7	57.6	64.0	51.9	3.0	4.8	.361	.341	81	72	—	0	—	0	10	10	.135	0.8	49	Overcast.
21	.53	.33	50.0	56.9	65.0	53.4	1.0	0.9	.419	.435	93	94	S	6	S	5	10	10●	.530	—	51	● showers a. ● from 6p.
22	.25	.21	57.9	56.5	66.0	53.1	3.3	3.5	.385	.358	80	78	SW	8	SSW	9	8	9	.167	7.8	51	● showers.
23	.14	.39	59.4	56.7	66.5	53.9	4.4	1.8	.376	.377	74	88	SW	10	—	2	9	9	.137	6.8	52	Frequent ● showers.
24	.71	.80	53.5	51.8	59.2	51.2	3.3	3.0	.321	.309	78	80	NW	4	—	2	9	10	.030	1.1	48	Cool and dry.
25	.40	.17	54.8	54.2	62.0	47.8	1.2	1.1	.396	.388	92	93	10	SW	4	10	10	.173	0.7	45	Frequent ● showers.	
26	.14	.40	58.0	50.0	62.0	50.0	2.2	2.0	.415	.309	86	86	—	2	NW	5	10●	10	.097	0.5	50	● most of day.
27	.61	.64	56.8	53.6	65.0	47.0	4.7	5.4	.333	.275	72	67	NW	4	—	2	9	10	.017	8.4	43	Very fine.
28	.46	.41	62.1	61.4	72.0	52.1	2.5	3.0	.474	.446	85	82	S	7	S	13	10	10	.024	3.5	50	Very fine.
29	.33	.15	59.0	55.9	62.0	55.9	1.5	0.9	.452	.420	91	94	SE	12	SE	7	10	10	.310	0.4	52	● 4p.—6p.
30	.27	.34	55.4	51.0	65.0	49.0	3.4	3.7	.345	.283	79	76	SSW	7	S	6	7	10	.155	10.5	47	Frequent ● showers.
31	.24	.34	53.0	56.3	62.7	50.5	1.0	1.4	.374	.412	93	90	S	15	S	7	10●	10	.207	2.1	47	● till 3p.
	29.41	29.48	58.6	53.9	66.0	53.9	3.0	2.9	.402	.335	82	81	SSW	8	SSW	4	10	4	—	4.4	53	Fine.
M.	29.622	29.633	57.9	54.8	65.6	49.6	3.6	2.3	.380	.367	79	85		5		3	7.4	6.3	2.669	204	46.5	

MARKREE CASTLE, SLIGO, a.b.—JULY 1910.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar, 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, +.024 in.

2	29'47	29'51	54'2	51'0	58'8	48'2	3'2	2'0	'332	'323	79	86	NW	3	NW	2	9	6	'28	6'4	45	♂ showers.
3	'55	'62	55'5	51'0	58'0	47'6	3'5	2'0	'344	'323	78	86	N	4	N	3	7	10	'46	4'8	47	♂ showers all day.
4	29'75	29'89	53'9	52'0	57'0	48'5	3'4	1'1	'324	'358	78	92	NW	3	N	3	9	10	'04	3'0	47	Fine, but cool.
5	30'00	30'02	54'0	52'0	57'7	49'0	2'0	1'0	'360	'361	86	93	N	2	Calm	0	10	10	'31	0'1	50	Dull and cool.
6	29'86	29'77	56'3	53'9	62'5	49'3	0'3	1'1	'444	'384	98	93	Calm	0	N	2	10	10	'58	—	40	Overcast, with ♂.
7	29'84	29'85	56'0	53'8	59'8	51'0	1'5	2'1	'405	'356	90	86	N	4	N	1	6	9	—	6'5	41	Fine.
8	'07	30'08	57'3	51'5	62'3	48'7	3'3	1'5	'374	'341	79	89	NNW	2	Calm	0	10	0	—	10'3	35	Fine and bright.
9	30'00	30'06	50'3	50'3	63'3	41'0	4'5	1'5	'397	'326	74	90	N	2	Calm	0	5	0	—	12'6	32	Fine and bright.
10	29'92	29'93	56'0	52'0	64'8	37'3	3'5	0'8	'353	'366	78	94	NW	2	Calm	0	5	0	—	13'5	40	Fine and bright.
11	29'91	'91	61'5	55'5	65'4	41'9	3'0	0'7	'449	'421	82	96	N	1	N	2	2	0	—	11'8	51	Fine and bright.
12	29'91	29'95	64'5	59'3	70'4	53'3	3'3	1'8	'488	'448	81	89	Calm	0	Calm	0	0	3	—	11'0	40	Beautiful day.
13	30'00	30'03	70'5	59'9	75'4	47'3	7'5	3'0	'469	'422	63	82	Calm	0	Calm	0	0	0	—	14'0	42	Beautiful day.
14	'06	30'06	67'0	62'0	78'2	47'0	6'0	3'2	'453	'450	68	81	Calm	0	Calm	0	0	0	—	13'8	44	Very warm.
15	30'02	29'01	71'0	60'8	78'3	48'8	6'0	1'0	'526	'499	69	94	SW	1	Calm	0	5	0	—	13'8	44	Very warm.
16	29'83	'82	69'4	58'5	72'9	54'0	8'1	3'3	'433	'392	60	79	E	2	E	1	0	0	—	14'0	46	Beautiful day.
17	'85	'86	60'5	54'7	66'5	52'7	5'5	3'0	'363	'346	69	80	ENE	2	NE	1	7	4	—	5'7	36	Cold a. Fine and bright p.
18	'92	'95	57'3	53'0	66'0	44'5	5'3	3'0	'324	'322	69	80	ENE	2	Calm	0	8	0	—	12'0	37	Fine.
19	'98	'87	56'7	50'0	64'9	42'5	3'2	1'2	'368	'329	80	92	Calm	0	Calm	0	10	4	—	7'0	39	Fine.
20	'89	'90	57'8	56'3	64'3	44'0	3'3	2'3	'383	'387	80	85	Calm	0	Calm	0	10	10	'25	0'7	42	Gloomy. ♂ n.
21	'61	'80	60'4	56'9	64'0	48'0	1'4	0'9	'479	'435	92	94	SW	2	Calm	0	10	10	'47	—	47	Overcast, with ♂.
22	'34	'38	59'9	53'5	66'9	52'0	2'1	1'2	'446	'376	88	91	NW	3	SW	3	7	4	'39	5'0	49	♂ showers.
23	'24	'59	59'0	56'0	62'4	51'9	2'7	2'0	'416	'391	84	87	W	2	NW	5	5	5	'06	10'5	48	♂ showers a.
24	'86	'89	54'4	49'5	59'0	48'0	4'1	1'5	'314	'315	74	89	NNW	4	Calm	0	9	10	'08	4'6	47	♂ showers.
25	'25	'61	54'9	61'9	48'0	3'0	1'1	'439	'400	82	94	S	5	SW	2	10	10	'37	0'7	52	♂ showers all day.	
26	'36	'63	55'0	52'0	58'0	50'3	2'2	4'1	'370	'285	86	74	NW	5	NNW	4	10	5	'17	3'0	47	♂ showers.
27	'76	'68	57'0	53'0	63'3	47'9	5'5	2'2	'316	'342	68	85	NW	3	Calm	0	5	10	'10	9'4	49	Fine and bright. ♂ n.
28	'53	'46	62'8	60'3	72'0	50'8	2'8	0'4	'477	'510	83	97	SE	4	SW	4	10	10	'58	3'0	55	Fair a. ♂ showers in evening.
29	'37	'26	60'8	54'0	64'3	52'8	1'3	0'7	'490	'397	92	95	S	3	NW	5	10	10	'13	0'2	39	♂ showers all day.
30	'36	'39	57'8	52'0	64'2	44'6	4'3	1'0	'337	'361	75	93	SW	3	S	3	8	8	'54	8'4	48	♂ showers early a.
31	'28	'39	58'5	56'3	66'0	50'5	1'5	1'3	'443	'415	90	91	SW	3	S	2	7	10	'07	7'0	54	♂ showers.
31	29'47	29'56	58'5	53'8	62'4	52'8	2'5	1'9	'414	'361	84	87	SW	2	S	1	8	9	'06	1'7	44	♂ showers.
M.	29'726	29'737	59'5	54'5	64'9	48'2	3'5	1'7	'404	'379	79	89		2'2		1'4	6'8	5'7	5'94	215	44'4	

\* Miles per hour.

† Beaufort Scale (0-12).

## DUBLIN (PHENIX PARK), a.—JULY 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.02 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	
1	ins.	ins.	54.9	51.7	61.3	47.1	2.4	1.8	364	337	85	88	WSW	7	—	175	46
2	29.44	29.48	54.9	51.7	59.8	47.5	0.9	2.4	360	330	94	84	WNW	7	10	130	46
3	42	53	51.7	52.4	59.8	47.5	0.9	2.4	360	330	94	84	WNW	7	10	130	46
4	61	79	58.1	51.8	61.9	48.7	4.2	1.5	364	346	75	89	NW	9	5	100	65
5	93	99	55.6	53.8	57.8	49.9	2.0	1.4	386	375	87	90	WNW	6	10	100	55
6	85	65	57.0	58.8	62.0	50.9	0.6	0.0	446	496	96	100	—	1	10	505	—
7	72	89	59.5	54.3	64.3	52.5	3.7	2.1	396	362	78	85	WNW	6	8	93	52
8	97	98	57.6	51.9	66.1	47.7	2.9	1.2	391	354	82	92	W	9	2	76	48
9	99	98	58.8	51.1	65.0	41.9	3.6	0.8	389	355	78	94	—	3	0	95	39
10	93	88	61.8	50.9	67.5	40.7	4.1	0.6	421	357	77	96	NW	4	0	145	39
11	86	85	63.1	50.7	68.0	40.5	6.2	1.6	383	329	67	89	E	5	0	147	41
12	87	92	63.3	52.9	67.3	40.9	3.9	0.3	451	392	77	98	NE	5	0	147	40
13	29.96	29.97	64.9	61.9	71.8	43.2	4.0	2.6	476	407	78	85	E	5	0	138	42
14	30.01	30.02	66.7	55.8	71.0	48.9	7.3	0.2	411	440	63	98	NE	5	0	147	45
15	29.97	29.97	67.4	54.2	72.6	47.1	5.2	1.5	484	378	72	90	—	3	0	137	45
16	79	76	60.2	56.8	62.1	50.4	3.9	2.1	401	400	77	86	ENE	10	8	127	46
17	77	77	55.2	57.5	62.1	53.4	4.0	4.4	328	349	75	74	ENE	13	4	75	51
18	82	84	54.8	52.6	59.7	51.8	3.7	1.1	330	367	77	93	ENE	11	3	0	8
19	89	90	54.6	49.9	62.5	44.7	4.3	1.1	312	331	74	93	—	1	10	114	40
20	85	77	57.4	57.1	62.1	47.0	3.6	1.4	367	424	78	90	SW	6	10	125	43
21	63	42	58.0	59.4	64.2	49.7	5.7	0.7	325	484	68	96	SW	4	10	610	—
22	34	34	61.3	50.5	67.1	53.8	5.7	2.8	370	376	68	82	W	13	8	0	20
23	26	46	61.3	56.1	67.1	53.7	4.5	2.4	402	382	74	84	SW	14	6	0	10
24	79	87	56.5	51.8	60.9	51.8	4.7	2.9	328	312	71	80	WNW	7	10	100	27
25	49	26	60.6	55.8	65.2	48.5	2.2	1.7	458	396	86	89	SW	10	10	100	27
26	23	49	59.2	51.8	61.3	51.4	3.0	3.1	411	307	82	79	WNW	8	10	100	27
27	68	71	56.1	55.8	63.9	46.9	4.7	5.6	325	301	80	81	SW	7	10	100	27
28	58	52	63.4	61.3	71.3	53.9	3.5	3.2	406	438	80	81	SW	7	10	100	27
29	38	19	60.0	57.5	63.7	56.5	2.5	1.1	438	439	85	93	SE	11	10	090	—
30	37	44	57.8	53.5	63.4	48.6	5.6	1.6	325	364	68	89	SW	10	10	070	86
31	39	43	56.1	56.6	63.1	52.8	4.6	1.7	328	411	72	88	SSW	19	10	035	1
M.	29.687	29.695	59.1	54.8	64.5	48.9	3.9	1.8	388	380	77	88	SW	6	10	040	39

## BIRR CASTLE, KING'S COUNTY, a.b.—JULY 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.

Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +0.02 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	
1	29.44	29.48	55.5	52.9	59.8	49.8	3.5	3.0	344	323	78	80	WSW	2	NNW	1	10
2	46	57	55.7	52.0	59.7	46.8	3.6	1.1	346	358	78	92	WNW	3	NNW	3	10
3	64	79	53.2	52.8	59.6	49.0	1.4	1.9	366	348	91	87	NNW	3	NNW	3	10
4	94	98	56.9	53.9	59.7	49.8	3.8	1.0	355	387	77	93	WNW	2	W	2	10
5	81	67	57.9	58.3	60.7	52.8	1.0	0.5	450	471	94	97	S	1	WSW	2	10
6	76	90	59.0	57.3	61.7	52.8	3.5	3.3	394	374	79	79	NW	4	NW	2	10
7	98	98	57.7	55.7	63.7	48.7	2.8	1.1	395	413	82	93	NNW	3	N	2	10
8	98	94	56.5	57.9	66.8	44.6	3.5	2.1	358	417	78	87	NW	2	NE	1	6
9	92	85	58.9	59.8	70.8	45.1	2.8	2.7	411	429	83	84	N	1	Calm	0	8
10	84	80	56.8	61.9	73.1	48.2	1.1	4.0	429	426	93	77	Calm	0	S	1	10
11	87	87	63.8	59.8	73.7	48.1	4.5	3.8	442	397	75	77	SE	1	SE	1	0
12	91	93	65.1	63.8	74.6	46.2	4.3	4.0	471	458	76	77	E	1	Calm	0	2
13	97	96	64.5	66.5	77.7	54.3	0.9	3.5	574	522	95	80	SE	1	Calm	0	10
14	94	82	60.9	65.9	78.7	52.8	4.9	5.9	542	435	73	68	E	4	NE	1	1
15	73	69	67.7	58.2	68.7	49.8	6.8	7.2	442	294	65	60	E	4	NE	1	7
16	72	74	55.9	57.9	63.8	54.2	2.8	3.0	369	393	83	81	E	4	NE	1	10
17	78	81	57.0	56.7	61.8	49.8	3.1	3.8	374	354	80	76	ENE	3	NNE	1	9
18	90	89	57.9	58.9	65.8	44.6	3.9	3.0	368	406	76	81	NE	2	NE	1	8
19	84	76	57.9	59.1	62.7	50.5	3.9	2.2	368	432	76	86	N	1	N	2	10
20	61	36	59.5	60.7	63.3	54.0	1.2	1.4	470	484	93	92	NW	2	W	3	10
21	35	31	61.8	61.9	64.0	53.4	3.6	2.2	435	480	79	87	SW	3	SW	3	10
22	24	48	58.7	56.8	64.7	53.8	2.3	1.4	423	420	85	91	SW	3	WSW	3	10
23	83	86	56.7	57.7	60.7	50.3	3.7	2.8	355	395	77	82	WNW	3	SW	2	8
24	46	26	60.2	54.9	60.7	50.8	3.1	1.0	423	403	82	94	WSW	3	W	2	8
25	29	58	57.1	59.3	58.8	48.8	1.7	1.4	416	329	88	90	WNW	5	W	3	9
26	70	66	57.7	55.3	64.7	47.2	3.9	3.4	366	345	77	78	NW	3	SSW	2	7
27	52	44	66.1	60.2	70.7	53.9	3.1	1.1	528	485	82	94	SSW	3	SW	3	10
28	27	22	60.9	58.5	63.9	47.9	2.8	0.6	443	471	84	96	S	4	WSW	2	10
29	36	39	55.9	53.9	61.8	48.7	3.0	2.0	364	359	81	87	SW	3	SW	3	10
30	32	42	56.3	56.1	58.7	52.2	1.6	1.1	407	418	89	92	SSW	2	SW	2	10
31	29.47	29.51	56.1	53.7	51.9	43.7	1.9	2.2	396	387	87	85	SW	3	SW	2	10
M.	29.673	29.675	59.2	57.8	65.1	50.3	3.0	2.5	414	407	82	85	—	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JULY 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNES.†						NORTH SHIELDS.†						GREAT YARMOUTH.†‡							
Height of Cops above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.						Height of Cops above—Roof 8 ft., Ground 60 ft.¶, M.S.L. 183 ft.						Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cops above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.							
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust		
	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	18, 6	8, 5	24, 15	1, 3	22, 11	21, 12	21, 11	22, 7	21, 15	14	24, 12	24, 8	17, 11	21, 7	—	23	10. 20		
2	14, 4	6, 9	6, 9	18	23, 6	11, 10	6, 4	—	9, 11	12	21, 10	16, 9	9, 7	17, 7	—	31	13. 10		
3	30, 10	28, 14	29, 17	17	32, 12	32, 15	31, 10	31, 6	32, 16	10	—	3	2	2, 10	32, 5	—	28	7. 30	
4	29, 15	31, 12	28, 18	5, 11	31, 10	3, 7	9, 5	9, 5	31, 32, 10	9, 10	29, 10	*	*	*	*	26, 4	—	28	7. 30
5	—	2	30, 9	1, 3	—	2	7, 5	9, 0	1, 10, 8, 7	12, 16	26, 4	1, 4	11, 7	13, 4	—	13	6. 55		
6	32, 10	31, 12	30, 9	24	5, 7	1, 5	31, 10	28, 6	5, 14	10	7, 7	*	28, 10	28, 7	27, 9	—	31	17. 45	
7	30, 23	30, 21	30, 24	14	28, 12	32, 15	31, 17	31, 15	32, 19	24	29, 9	29, 12	27, 10	28, 9	—	33	8. 45		
8	31, 18	32, 18	31, 31	15, 17	30, 18	31, 18	31, 18	31, 10	31, 23	2	28, 10	28, 12	28, 7	28, 6	—	29	16. 40		
9	32, 19	32, 18	32, 21	15	32, 19	32, 19	32, 16	32, 15	32, 19	9, 12, 13	31, 18	32, 18	32, 12	32, 10	—	31	9. 50		
10	32, 13	2, 8	32, 13	13	31, 18	32, 18	32, 12	32, 7	32, 18	13	—	2	2, 6	3, 5	3, 5	—	16	0. 20	
11	—	3, 9	4, 5	7	—	2	8, 10	9, 8	9, 5	9, 10	15, 16	32, 11	32, 13	32, 10	32, 10	—	21	21. 55	
12	14, 4	—	12, 7	16	6, 4	7, 5	8, 4	—	2, 7	6	12, 14, 15	30, 8	32, 11	32, 8	32, 9	—	21	12. 5	
13	31, 7	32, 12	32, 12	18	32, 5	7, 5	32, 4	—	3, 6	14, 16	30, 4	28, 4	29, 5	—	3	—	18	14. 50	
14	2, 15	3, 10	32, 2, 11	9, 17	32, 12	32, 9	32, 8	32, 7	32, 15	10	28, 4	29, 4	—	3	—	15	11. 50		
15	4, 12	1, 15	2, 17	19	32, 11	1, 7	1, 9	2, 7	32, 11	2, 9	6, 7	4, 6	2, 10	3, 13	—	23	19. 10		
16	2, 14	2, 12	3, 15	11	2, 9	2, 9	3, 7	3, 10	3, 12	22	3, 14	2, 12	31, 13	1, 10	—	25	18. 5		
17	1, 10	1, 7	3, 15	16	2, 9	2, 10	2, 8	2, 7	3, 12	8	4, 21	4, 18	2, 18	2, 15	—	28	16. 55		
18	12, 17	12, 19	12, 21	15, 17	32, 11	32, 12	32, 10	31, 5	32, 12	13, 16	30, 14	30, 14	30, 13	31, 12	—	32	13. 30		
19	—	—	—	8	32, 4	6, 5	12, 7	14, 9	8, 10, 9	18, 15	28, 6	31, 6	1, 6	10, 7	—	27	0. 15		
20	15, 7	—	14, 13	1, 2	17, 5	19, 9	17, 10	18, 9	18, 15	15, 16	—	3	21, 7	18, 9	21, 11	—	26	21. 15	
21	10, 6	5, 7	31, 14	24	—	22, 16	21, 13	20, 11	23, 25, 17	13	20, 18	22, 17	24, 14	20, 10	—	35	9. 40		
22	30, 27	30, 22	30, 32	9	18, 17	21, 19	9, 22	5, 19	19, 21	13	20, 12	21, 12	17, 10	19, 7	—	26	11. 35		
23	9, 12	10, 15	10, 17	15	29, 13	30, 14	32, 12	31, 9	31, 18	14	25, 15	26, 12	25, 8	23, 7	—	29	10. 30		
24	3, 18	2, 18	6, 3, 19	7, 15	17, 4	14, 12	10, 12	16, 10	11, 15	1	22, 11	19, 10	17, 10	17, 12	—	29	23. 35		
25	29, 17	27, 18	26, 20	20	22, 4	9, 6	22, 8	23, 7	16, 13	1	20, 12	18, 10	15, 4	22, 12	—	34	11. 45		
26	12, 20	15, 17	14, 21	15, 16	28, 15	20, 10	26, 10	24, 10	27, 17	10	23, 14	24, 15	24, 10	23, 12	—	31	4. 20		
27	14, 17	12, 18	12, 22	24	16, 10	15, 12	19, 12	16, 14	17, 16	22	20, 7	17, 8	15, 11	15, 4	—	30	16. 50		
28	8, 21	9, 11	11, 22	3	14, 13	11, 17	11, 14	11, 19	11, 20	12	13, 10	12, 15	10, 7	10, 21	—	24	19. 35		
29	13, 17	12, 23	12, 24	17	16, 9	21, 18	19, 10	19, 7	22, 21, 18	12, 13, 14	17, 12	21, 11	20, 8	19, 5	—	31	10. 30		
30	13, 17	12, 14	14, 19	2	17, 12	16, 17	—	3	11, 17	13	—	2	5, 4	—	3	—	24	12. 20	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	0. 25	

PLYMOUTH.‡						DOVER.‡						SCILLY.†‡							
Height of Head above—Roof 3 ft., Ground 86 ft., M.S.L. 185 ft.						Height of Head above—Roof 29 ft., Ground 40 ft., M.S.L. 271 ft.						Height of Head above—Ground 82 ft., M.S.L. 104 ft. Height of Cops above—Ground 19 ft., M.S.L. 150 ft.							
Date.	13h.	18h.	Max. in a Gust.	Time of Gust.		9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust.		
	D. V.	D. V.	D. V.	hr. min.		D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	—	—	—	26	13	—	20	—	18	—	31	26	15	25	18	26	17	18. 50	
2	—	—	—	28	16	—	25	—	18	—	36	14	15	27	27	27	21	2. 45	
3	—	—	—	36	14	—	16	—	3	—	25	12	10	28	28	28	26	7. 10	
4	—	—	—	24	14	—	20	—	5	—	32	29	13	28	13	27	10	0. 25	
5	—	—	—	16	23	—	7	—	8	—	25	23	11	23	14	23	20	18. 35	
6	—	—	—	39	12	—	33	—	20	—	52	27	20	27	19	27	18	3. 40	
7	—	—	—	35	17	—	15	—	8	—	32	32	9	31	12	28	11	0. 50	
8	—	—	—	16	6	—	15	—	14	—	25	17	55	2, 9	3, 11	3, 11	3, 6	19. 0	
9	—	—	—	*	*	—	13	—	15	—	25	6	4	7	4	3	6	11	15. 5
10	—	—	—	*	*	—	7	—	5	—	16	3	40	2	7	32	8	14	2. 45
11	—	—	—	16	8	—	17	—	15	—	24	12	0	—	3	13	6	9	6. 20
12	—	—	—	22	11	—	15	—	10	—	23	10	40	7	7	8	8	17	16. 50
13	—	—	—	20	15	—	9	—	9	—	20	5	20	11	7	10	10	21	8. 40
14	—	—	—	23	5	—	0	—	6	—	15	17	5	8	14	9	17	30	11. 5
15	—	—	—	38	6	—	15	—	20	—	30	9	21	9	23	9	20	29	12. 50
16	—	—	—	37	4	—	20	—	24	—	38	15	30	9	22	9	23	26	2. 10
17	—	—	—	33	2	—	20	—	10	—	41	4	12	3	17	1	16	20	23. 5
18	—	—	—	23	3	—	14	—	17	—	34	22	40	2	16	1	11	26	1. 40
19	—	—	—	25	13	—	10	—	7	—	34	0	5	—	3	24	10	29	2. 10
20	—	—	—	26	22	—	8	—	17	—	38	23	10	25	14	22	15	30	23. 5
21	—	—	—	33	5	—	33	—	25	—	53	13	15	21	12	21	15	36	1. 40
22	—	—	—	30	14	—	17	—	12	—	31	20	0	22	14	23	20	31	20. 5
23	—	—	—	15	15	—	15	—	18	—	33	15	35	28	22	27	20	25	12. 20
24	—	—	—	37	8	—	15	—	22	—	38	15	0	20	23	19	25	21	8. 50
25	—	—	—	31	7	—	16	—	16	—	37	7	15	27	13	26	8	19	0. 25
26	—	—	—	1	1	—	14	—	17	—	37	10	40	20	12	18	11	16	27. 0
27	—	—	—	42	16	—	6	—	13	—	25	14	20	17	10	17	10	27	21. 30
28	—	—	—	25	0	—	20	—	24	—	38	11	25	—	*	21	9	20	0. 30
29	—	—	—	10	15	—	3	—	6	—	16	16	25	17	8	21	6	23	1. 50
30	—	—	—	21	14	—	3	—	7	—	16	17	35	25	4	24	10	21	6. 50
31	—	—	—	21	14	—	3	—	7	—	16	—	—	—	—	—	—	—	—

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡							HOLYHEAD.†§						
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.							Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	22, 10	23, 11	23, 14	16	23, 20	21, 20	23, 25	24, 16	—	31	18. 0	20, 15	19, 18	22, 13	24, 12	—	29	13. 35
2	16, 4	26, 4	25, 8	16	23, 22	24, 15	28, 20	28, 23	—	29	22, 23	26, 18	27, 8	26, 18	—	30	9. 5	
3	1, 7	—	32, 8	12	1, 10	30, 19	16, 5	31, 15	—	29	30, 21	29, 14	29, 14	29, 11	—	34	4. 45	
4	24, 13	24, 8	14, 17	14, 17	27, 15	24, 20	25, 21	26, 18	—	32	27, 7	27, 7	22, 10	24, 12	—	22	3. 0	
5	23, 6	—	24, 8	1	25, 8	24, 7	12, 6	13, 10	—	19	18, 11	16, 13	16, 14	18, 12	—	25	17. 30	
6	26, 9	—	27, 15	8	28, 35	29, 33	29, 25	30, 25	—	46	26, 25	26, 15	28, 17	28, 11	—	33	6. 15	
7	26, 7	25, 5	26, 7	13, 14	29, 23	28, 23	28, 25	29, 24	—	30	28, 15	28, 15	30, 15	29, 18	—	33	2. 15	
8	—	—	—	16	—	3, 28	12, 9	28, 9	—	15	13, 10	—	—	—	—	21	2. 20	
9	6, 4	4, 4	6, 8, 4, 2, 4	10, 13, 15, 16, 18, 23	—	2, 27	14, 29	11, 6, 8	—	19	30, 5	28, 8	30, 5	30, 7	—	16	15. 45	
10	5, 4	8, 4	7, 5, 4	8, 12, 13, 16, 23	10, 6	28, 11	30, 11	12, 7	—	16	1, 6	3, 12	2, 10	2, 5	—	20	15. 25	
11	—	2	8, 4	11, 16, 18	8, 6	28, 12	28, 9	—	2	16	—	3, 30	4, 1	10, 4	—	19	15. 0	
12	—	2	10, 8, 4	15, 16, 24	25, 5	28, 15	28, 9	—	1	22	—	2, 27	7, 4	—	2	15	0. 35	
13	—	2	21, 4	17	—	0, 24	10, 32	8, 1	—	13	15. 15	—	2, 27	10, 2	—	15	12. 40	
14	8, 6	8, 5	7, 7	15	—	2, 5	12, 7	11, 9, 6	—	19	16. 35	26, 5	29, 6	1, 9, 5	10	23	23. 5	
15	6, 10	5, 10	7, 11	16	7, 16	7, 18	7, 21	7, 18	—	32	20. 20	6, 28	8, 27	7, 26	7, 26	38	16. 35	
16	6, 9	5, 10	8, 14	11	8, 18	6, 21	6, 21	7, 16	—	32	10. 10	6, 27	7, 22	6, 25	6, 27	38	1. 0	
17	4, 12	5, 10	4, 12	11, 13	5, 23	6, 22	6, 22	5, 14	—	35	17. 45	4, 24	4, 24	4, 23	5, 20	34	13. 50	
18	4, 4	7, 5	2, 7	1	—	3, 28	11, 32	13, 8, 8	—	25	13. 55	4, 12	31, 12	30, 12	30, 11	25	0. 15	
19	—	2, 26	5, 26	18, 20	15, 8	29, 6	26, 13	27, 6	—	16	17. 15	28, 5	22, 7	18, 8	18, 7	16	17. 15	
20	19, 4	20, 7	18, 9	11, 12	15, 12	17, 6	19, 13	22, 16	—	24	20. 35	19, 9	17, 14	20, 15	19, 14	33	23. 25	
21	23, 16	21, 12	23, 20	8, 11	24, 32	22, 25	20, 20	18, 17	—	47	6. 50	20, 15	19, 21	19, 18	19, 18	45	6. 5	
22	20, 12	22, 12	20, 13	15	20, 19	22, 20	21, 27	23, 25	—	34	18. 5	18, 23	18, 21	20, 12	26, 18	38	10. 5	
23	26, 15	25, 15	26, 16	12, 15, 16	28, 31	27, 31	27, 29	27, 24	—	41	11. 20	27, 23	27, 17	26, 10	26, 14	39	3. 45	
24	15, 15	19, 10	16, 17	16	14, 13	14, 19	19, 20	19, 17	—	40	16. 30	15, 20	18, 19	19, 21	20, 19	58	9. 0	
25	24, 11	24, 12	25, 23	19, 20	23, 18	25, 21	25, 32	25, 34	—	50	23. 45	24, 12	24, 25	26, 34	26, 38	55	19. 15	
26	27, 15	26, 11	25, 18	16	28, 34	27, 34	26, 25	24, 11	—	52	0. 30	27, 20	26, 16	22, 10	20, 10	48	0. 25	
27	16, 9	16, 9	16, 18, 10	8, 9, 11, 12, 14, 15, 17	15, 16	16, 11	16, 10	14, 12	—	22	9. 45	17, 18	16, 16	17, 16	17, 12	34	10. 35	
28	13, 10	11, 6	12, 10	12, 17, 23	13, 15	13, 17	13, 10	12, 10	—	29	12. 50	15, 15	15, 16	16, 12	13, 12	27	13. 25	
29	22, 14	20, 9	22, 15	11	23, 28	22, 25	20, 21	17, 13	—	37	7. 5	21, 20	19, 21	19, 21	19, 18	38	3. 35	
30	16, 12	18, 10	16, 15	10, 11	15, 16	17, 14	18, 14	19, 11	—	26	16. 20	17, 19	17, 21	17, 17	18, 18	36	12. 40	
31	—	3, 24	4, 18	10	14, 9	24, 12	24, 13	18, 6	—	18	11. 35	18, 11	19, 16	18, 18	19, 13	29	16. 40	

GLASGOW.†					KINGSTOWN.†							ROCHES POINT.§						
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.							Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.		
1	24, 10	25, 10	25, 12	14	21, 17	22, 19	26, 14	27, 14	22, 21	3, 5	26, 20	28, 21	27, 21	24, 24	22, 26	23		
2	—	2, 1	4, 29	6	29, 16	32, 12	24, 7	28, 12	24, 25	3	—	—	—	—	—	3		
3	—	—	3, 32	5	26, 15	26, 15	25, 16	25, 8	24, 20	10	24, 11	25, 12	26, 24	13	15, 17	3		
4	—	3	—	2	—	2, 10	4, 24	7, 23	12	22	—	3	—	—	—	2		
5	—	3	—	2	26, 22	27, 22	28, 14	25, 15	26, 25	10	—	3	—	—	—	10		
6	27, 7	29, 7	26, 27, 29, 7	10, 12, 17, 20	26, 15	32, 9	30, 13	32, 10	24, 21	4	—	—	—	—	—	5		
7	31, 6	3, 7	32, 11	19	—	3, 20	7, 2	—	2, 26, 24, 14	1, 3, 4	23, 4	20, 5	20, 5	20, 10	10	10		
8	23, 4	20, 5	7, 10	24	—	3, 5	6, 4	—	2, 2	5, 10	—	—	—	—	—	10		
9	7, 5	7, 9	7, 9	18, 19	—	3, 4	4, 4	—	2, 0	24, 3, 7	—	—	—	—	—	3, 10		
10	7, 6	8, 9	7, 10	20	—	3, 4	4, 4	—	2, 11, 12	14	—	—	—	—	—	14		
11	28, 4	21, 6	9, 7	2	4, 4	10, 12	8, 4	—	2, 24, 6	6	—	—	—	—	—	6		
12	1, 4	7, 7	7, 9	22	4, 4	8, 5	—	3, 2	27, 24, 30, 8	3, 4, 9	—	—	—	—	—	8		
13	6, 5	8, 5	8, 8	17	30, 8	4, 10	6, 2	—	24, 4, 5	5, 12	—	—	—	—	—	12		
14	7, 9	5, 10	5, 12	19	—	1, 3	—	3, 3	6, 23	23	—	—	—	—	—	23		
15	7, 10	9, 11	8, 13	16	7, 16	5, 18	4, 17	5, 17	6, 23	24	—	—	—	—	—	24		
16	7, 13	8, 12	8, 15	16	6, 23	4, 21	4, 21	5, 21	6, 28	23	—	—	—	—	—	28		
17	6, 12	8, 12	6, 12	12, 13	4, 23	3, 18	2, 14	3, 10	6, 26	1	—	—	—	—	—	1		
18	9, 4	—	8, 9	5, 7, 8	32, 15	3, 11	2, 9	—	32, 18	10	—	—	—	—	—	10		
19	22, 0	—	22, 7	11, 14	—	3, 12	8, 2	—	0, 12, 8	13	—	—	—	—	—	13		
20	—	3, 21	6, 19, 21, 6	16, 18	—	2, 20	22, 20	11, 19	4, 22, 29	15	—	—	—	—	—	15		
21	24, 14	21, 11	23, 16	12	20, 17	21, 26	20, 21	20, 15	22, 37	3	—	—	—	—	—	3		
22	22, 9	—	3, 22	12	20, 21	22, 22	24, 26	24, 24	24, 27	19	—	—	—	—	—	19		
23	26, 12	26, 13	26, 13	18	25, 21	25, 18	27, 15	24, 7	26, 25	10	—	—	—	—	—	10		
24	10, 10	11, 10	10, 10	13, 14, 15	16, 10	10, 17	21, 15	20, 9	20, 22	12	—	—	—	—	—	12		
25	26, 9	28, 6	26, 10	12	24, 24	24, 32	24, 32	24, 33	24, 36	14	—	—	—	—	—	14		
26	26, 15	25, 13	27, 25, 17	12, 14	26, 23	24, 16	21, 4	18, 10	22, 29	6	—	—	—	—	—	6		
27	19, 11	16, 8	18, 14	14	15, 18	14, 13	15, 11	14, 10	16, 21	4, 6	—	—	—	—	—	4		
28	14, 7	17, 5	17, 7, 11	2, 22	14, 21	14, 10	13, 19	14, 12	14, 26	12	—	—	—	—	—	12		
29	24, 10	20, 12	23, 13	12	20, 23	19, 18	18, 13	18, 18	22, 32	2	—	—	—	—	—	2		
30	17, 15	16, 12	17, 15	13, 14	16, 21	17, 21	16, 14	18, 9	17, 25	12	—	—	—	—	—	12		
31	20, 7	18, 6	17, 10	2	18, 9	21, 13	18, 10	18, 5	20, 15	10	—	—	—	—	—	10		

GLASGOW.†  
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.

KINGSTOWN.†  
Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.

ROCHES POINT.‡  
Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.

Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.
2	24, 10	25, 10	25, 12	14	21, 17	22, 19	26, 14	27, 14	22, 21	23	21, 17	22, 19	26, 14	27, 14	22, 21	23
3	—	—	—	15	26, 20	28, 21	27, 21	24, 24	22, 26	3, 5	26, 20	28, 21	27, 21	24, 24	22, 26	3, 5
4	—	—	—	11, 12	29, 16	32, 12	24, 7	28, 12	24, 25	3	29, 16	32, 12	24, 7	28, 12	24, 25	3
5	—	—	—	15, 17	26, 15	26, 15	25, 16	25, 8	24, 20	10	26, 15	26, 15	25, 16	25, 8	24, 20	10
6	—	—	—	2	—	2, 10	4, 24	7, 23	12, 22	22	—	2, 10	4, 24	7, 23	12, 22	22
7	27, 7	29, 7	26, 27, 29, 7	10, 12, 17, 20	26, 22	27, 22	28, 14	25, 15	26, 25	10	26, 22	27, 22	28, 14	25, 15	26, 25	10
8	31, 6	3, 7	32, 11	19	26, 15	32, 9	30, 13	32, 10	24, 21	4	26, 15	32, 9	30, 13	32, 10	24, 21	4
9	23, 4	20, 5	7, 10	24	—	3, 20	7, 1	—	2, 26, 24, 14	1, 3, 5	—	3, 20	7, 1	—	2, 26, 24, 14	1, 3, 5
10	7, 5	7, 9	7, 9	18, 19	—	3, 4	4, 1	—	2, 5, 10	10	—	3, 4	4, 1	—	2, 5, 10	10
11	28, 4	21, 6	9, 7	2	4, 4	10, 12	8, 4	—	2, 11, 12	14	4, 4	10, 12	8, 4	—	2, 11, 12	14
12	1, 4	7, 7	9, 9	22	4, 4	8, 5	—	3	2, 24, 6	3	4, 4	8, 5	—	3	2, 24, 6	3
13	6, 5	8, 5	8, 8	17	30, 8	4, 4	10, 6	—	2, 27, 24, 30, 8	3, 4, 9	30, 8	4, 4	10, 6	—	2, 27, 24, 30, 8	3, 4, 9
14	7, 9	5, 10	5, 12	19	—	1	—	3	24, 4, 5	5, 12	—	1	—	3	24, 4, 5	5, 12
15	7, 10	9, 11	8, 13	16	7, 16	5, 18	4, 17	5, 17	6, 23	24	7, 16	5, 18	4, 17	5, 17	6, 23	24
16	7, 13	8, 12	8, 15	16	6, 23	4, 21	4, 21	5, 21	6, 28	23	6, 23	4, 21	4, 21	5, 21	6, 28	23
17	6, 12	8, 12	6, 12	12, 13	4, 23	3, 18	2, 14	3, 10	6, 26	1	4, 23	3, 18	2, 14	3, 10	6, 26	1
18	9, 4	—	8, 9	5, 7, 8	32, 15	3, 11	2, 9	—	2, 32, 18	10	32, 15	3, 11	2, 9	—	2, 32, 18	10
19	22, 6	—	22, 7	11, 14	—	3, 12	8	—	0, 12, 8	13	—	3, 12	8	—	0, 12, 8	13
20	—	3, 21	6, 19, 21, 6	16, 18	—	2, 20	22, 20	21, 20, 15	22, 37	3	—	2, 20	22, 20	21, 20, 15	22, 37	3
21	24, 14	21, 11	23, 16	12	20, 17	21, 26	20, 21	20, 15	22, 27	19	20, 17	21, 26	20, 21	20, 15	22, 27	19
22	22, 9	—	22, 10	12	20, 21	22, 22	24, 26	24, 24	24, 27	10	20, 21	22, 22	24, 26	24, 24	24, 27	10
23	26, 12	26, 13	26, 13	18	25, 21	25, 18	27, 15	24, 7	26, 25	10	25, 21	25, 18	27, 15	24, 7	26, 25	10
24	10, 10	11, 10	10, 10	13, 14, 15	16, 10	20, 17	21, 15	20, 9	20, 22	12	16, 10	20, 17	21, 15	20, 9	20, 22	12
25	26, 9	28, 6	26, 10	12	24, 24	24, 32	24, 32	24, 33	24, 36	14	24, 24	24, 32	24, 32	24, 33	24, 36	14
26	26, 15	25, 13	27, 25, 17	12, 14	26, 23	24, 16	21, 4	18, 10	22, 29	6	26, 23	24, 16	21, 4	18, 10	22, 29	6
27	19, 11	16, 8	18, 14	14	15, 18	14, 13	15, 11	14, 10	16, 21	4, 6	15, 18	14, 13	15, 11	14, 10	16, 21	4, 6
28	14, 7	17, 5	17, 7, 11	2, 22	14, 21	14, 19	13, 19	14, 12	14, 26	12	14, 21	14, 19	13, 19	14, 12	14, 26	12
29	24, 10	20, 12	23, 13	12	20, 23	19, 18	18, 13	18, 18	22, 32	2	20, 23	19, 18	18, 13	18, 18	22, 32	2
30	17, 15	16, 12	17, 15	13, 14	16, 21	17, 21	16, 14	18, 9	17, 25	12	16, 21	17, 21	16, 14	18, 9	17, 25	12
31	20, 7	18, 6	17, 10	2	18, 9	21, 13	18, 10	18, 5	20, 15	10	18, 9	21, 13	18, 10	18, 5	20, 15	10

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHOENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ Dines Pressure Tube Anemometer.

§ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

[Price One Shilling and Sixpence.]

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—AUGUST 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.

## TILLYPRONIE, ABERDEENSHIRE.—AUGUST 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.		Vapour Pressure.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°	
1	ins.	ins.	59.5	53.5	64.6	45.0	4.5	4.5	374	293	73	71	S	3	SW	2	ins.	hrs.	°	Sunshine. Dull. Dull. Dull.  

## DUNDEE, FORFARSHIRE, c.d.—AUGUST 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

1	29.60	29.63	63.9	55.0	67.0	49.2	3.9	1.0	462	403	77	93	SW	1	NE	3	5	10	—	—	—	Fine till 10a. Dull from 4p.	
2	62	44	58.2	56.2	59.2	51.2	2.0	0.7	424	431	77	96	SE	3	SE	5	10	100	43	—	—	Dull. ● 2.30p.-9p.	
3	34	46	57.8	53.7	61.6	53.5	1.3	1.5	440	370	92	89	SE	5	NE	1	10	10	02	—	—	Dull.	
4	46	53	60.0	55.2	63.0	49.3	2.8	0.3	429	428	83	98	SE	3	SE	1	5	100	09	—	—	T 3p.-8p. ● 6p.-n.	
5	55	57	56.5	58.9	65.9	55.0	1.5	3.6	412	389	90	78	NE	1	SW	1	10	10	25	—	—	Dull and cloudy.	
6	55	68	58.5	59.5	67.2	53.4	3.3	1.0	392	477	79	94	W	3	NE	1	10	10	—	—	—	● till 7a. Dull.	
7	78	80	58.0	56.2	62.7	55.5	1.5	1.0	436	422	90	93	NE	1	E	1	10	10	—	—	—	Dull and cloudy.	
8	80	83	60.8	52.8	66.9	52.0	2.6	0.6	448	383	84	95	SE	1	NE	1	5	100	—	—	—	≡ from 4p.	
9	89	93	57.0	53.8	66.2	48.5	1.5	0.6	420	397	90	95	SE	1	NE	1	100	100	—	—	—	≡ till 10a., and after 3p.	
10	99	97	52.5	54.5	64.2	46.5	0.5	1.3	381	387	96	91	E	1	SE	1	100	100	—	—	—	≡ till 10a., and after 6p.	
11	91	80	53.0	55.5	61.5	51.6	0.8	0.7	380	421	94	96	SE	1	E	1	100	100	—	—	—	≡ till 11a., and after 2p.	
12	61	64	59.5	60.2	71.8	54.5	1.0	4.2	477	393	94	75	SW	1	NW	1	10	5	—	—	—	● till 7a. Fine after 10a.	
13	77	87	63.8	56.6	69.5	51.8	4.6	1.4	439	417	74	90	W	1	NE	1	5	10	—	—	—	Dull and cloudy after 6p.	
14	86	72	58.0	58.4	62.0	54.8	1.8	0.9	427	461	88	95	SE	1	NE	3	10	10	42	—	—	Dull and cloudy.	
15	50	58	56.8	57.2	66.8	55.5	0.6	3.2	443	375	95	80	SE	5	W	1	100	7	05	—	—	● 6a.-10a.	
16	68	72	61.2	57.8	69.8	52.0	4.7	1.3	395	440	74	92	W	5	SW	1	5	100	13	—	—	Dull from 5p.	
17	53	54	58.2	56.0	68.7	54.3	1.0	2.8	454	370	93	82	S	3	SW	5	10	5	06	—	—	● till 8a. ● showers noon-4p.	
18	60	60	61.3	55.2	64.3	52.7	4.3	1.0	407	407	75	93	SE	5	S	5	5	100	26	—	—	Fine till 3p., then ●.	
19	19	43	56.2	56.0	64.7	53.0	1.7	0.8	402	425	89	94	SW	5	SW	1	100	10	28	—	—	● till 10a. and 4p.-5p.	
20	62	41	57.2	55.0	67.2	49.2	3.0	0.3	381	424	81	98	SW	1	SE	1	100	10	128	—	—	Dull and cloudy. ● after 5p.	
21	49	73	53.0	50.0	56.7	49.5	1.0	1.8	374	314	93	87	NE	3	NE	1	100	10	04	—	—	● till 9a. ● showers till 6p.	
22	82	80	54.2	51.0	58.2	45.3	3.2	1.8	332	328	79	87	NE	1	E	1	10	100	02	—	—	Dull. ● 8p.	
23	74	67	59.8	54.2	61.8	47.4	3.8	1.4	397	380	77	91	E	1	SE	3	5	10	32	—	—	Fine till 3p., then dull.	
24	62	61	52.5	51.2	55.6	50.5	0.5	0.6	381	361	96	96	SE	3	E	3	100	100	49	—	—	● 7a.-n.	
25	66	58	55.0	54.0	60.5	49.2	1.5	0.5	389	403	90	97	SE	1	SE	1	10	100	104	—	—	● 7p.-n.	
26	21	03	57.0	53.5	59.0	52.5	0.0	0.9	465	384	100	93	SE	5	SE	1	100	10	28	—	—	● 9a.-1.30p. and 7p.-8.30p.	
27	15	42	57.5	52.5	58.0	49.3	4.0	1.3	359	359	76	90	W	5	SW	3	5	100	06	—	—	● 8p.-n.	
28	41	34	53.0	52.5	50.2	50.2	0.5	0.4	389	409	97	98	SE	3	SE	8	100	100	136	—	—	● 9a.-n. from 2p.	
29	21	33	54.5	54.2	62.2	51.4	2.0	0.5	368	406	87	97	SW	5	SE	1	5	100	18	—	—	● 8p.-9p.	
30	42	55	57.0	54.0	61.8	51.7	1.5	1.5	420	374	90	90	S	1	SW	5	10	5	10	—	—	● 2p.-3p.	
31	29.82	29.98	60.0	53.0	62.2	51.5	4.0	3.0	395	322	76	80	SW	5	W	1	5	10	—	—	—	Fine noon-6p., then cloudy.	
M.	29.594	29.612	57.4	55.0	63.3	51.4	2.1	1.4	410	395	87	91					2.6	2.1	8.4	9.1	7.51	—	—

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—AUGUST 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

Long. + 18 W. Lat. 55 55 N. Gravity Correction, + '029 in.																								
Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.		Percentage.													
			9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	54.9	56.9	64.9	52.1	1.6	3.0	in.	in.	%	%	W	*	*		ins.	hrs.	°	• showers a.				
2	29.57	29.58	54.9	56.9	64.9	52.1	1.6	3.0	385	375	90	81	W	4	—	2	100	10		• showers a.				
3	49	32	59.4	57.4	61.0	54.0	3.7	1.4	395	429	78	91	E	14	ENE	13	10	9	234	0.2	• a.			
4	28	39	54.2	56.1	62.8	53.5	0.9	3.3	394	359	94	79	S	11	SSE	7	100	7	233	2.2	• showers till afternoon.			
5	38	46	56.9	54.8	60.0	50.0	3.7	1.9	357	376	77	88	E	5	SE	5	9	10	093	0.1	T 10.30a. • showers.			
6	51	69	57.7	54.8	63.6	50.6	4.2	2.8	358	351	75	82	SSW	5	W	7	5	10	—	10.0	43	Fine.		
7	75	75	60.3	59.1	63.4	53.5	4.9	2.7	355	418	71	83	WNW	12	WNW	4	9	10	—	0.8	49	Dull.		
8	86	76	61.1	59.4	65.8	53.2	3.7	3.2	422	431	81	86	NE	6	E	5	10	9	—	0.4	56	Overcast.		
9	90	86	61.1	58.8	66.3	55.0	4.2	2.0	406	434	76	88	E	7	E	9	9	10	—	0.4	52	Overcast, with ∞°.		
10	83	89	56.9	58.9	69.1	53.0	3.2	4.3	370	371	80	74	E	5	E	4	9	10	—	8.5	52	∞° all day.		
11	95	85	58.5	56.1	69.0	49.8	3.7	1.8	381	398	77	88	E	4	E	6	6	100	3	—	2.5	45	∞° all day.	
12	78	69	62.2	58.5	69.1	52.3	1.9	4.9	401	389	88	73	—	3	SSE	6	9	100	1	414	2.5	51	∞° all day.	
13	59	69	62.2	58.5	69.1	57.1	3.1	3.6	456	383	82	78	W	5	WNW	6	9	10	—	7.0	56	• from 9.20p.		
14	80	83	59.5	58.5	67.2	55.8	4.1	2.9	385	403	75	82	W	6	—	3	9	10	—	5.3	53	• early a.		
15	40	60	62.1	61.5	67.4	55.5	3.7	2.1	438	476	78	87	E	7	E	10	100	10	—	5.81	0.4	53	Cloudy.	
16	68	58	58.3	56.8	65.8	50.8	1.5	2.5	441	388	90	84	SW	9	WSW	4	7	10	—	0.14	7.6	56	Overcast.	
17	44	65	59.2	59.0	64.8	55.0	4.3	3.1	375	404	75	81	SW	9	SE	6	9	9	—	1.38	4.1	49	Cloudy till 2p.	
18	61	58	61.3	55.2	64.6	55.2	2.3	0.3	466	428	86	98	S	13	W	12	9	10	—	1.21	2.2	56	• showers.	
19	16	29	58.4	57.4	60.0	53.1	4.2	1.4	367	429	75	91	SW	11	S	4	7	10	—	0.30	2.8	52	5a.-7a. and from 3p. < p.	
20	61	46	54.9	56.1	60.0	53.3	1.3	2.2	394	387	92	85	SW	12	W	7	100	6	—	0.33	—	52	5a.-noon.	
21	47	71	54.5	52.4	58.1	52.2	1.2	0.6	390	377	92	96	NE	4	—	2	100	100	—	6.50	0.9	47	7a. 8p. • 2 11p.	
22	77	75	52.5	49.2	60.0	49.2	1.9	1.8	344	306	87	88	—	2	—	3	10	9	—	1.5	49	54	• a. and from 3p.	
23	77	58	53.5	54.1	57.9	49.8	3.0	0.6	329	402	80	96	E	6	E	7	9	100	—	5.20	0.2	36	• early a.	
24	55	58	54.1	53.0	61.6	50.4	1.3	1.1	383	371	91	92	—	2	—	3	10	9	—	0.20	0.3	45	Dull. • p.	
25	61	29	43.3	55.5	53.9	57.8	5.0	2.0	1.0	384	387	87	93	NE	6	E	10	9	100	—	0.90	0.7	43	Gloomy. T 2p. • 3p.-5p.
26	07	28	59.7	60.6	54.3	61.1	53.0	2.0	1.3	464	368	88	91	ESE	10	NE	4	100	—	1.22	—	52	• a. • 9 in evening.	
27	25	28	52.8	54.3	57.1	52.0	2.5	2.3	333	357	83	84	W	18	S	12	10	10	—	0.30	0.8	50	6.30a.-7.30a.	
28	28	25	54.9	53.2	56.2	52.8	2.3	1.9	367	352	85	87	ESE	9	S	4	100	—	1.327	0.1	51	• 6a.-5p.		
29	17	27	51.3	54.8	57.1	49.1	0.9	0.6	354	412	94	95	—	2	—	2	10	100	—	3.23	0.4	48	• early a. • p.	
30	39	36	55.5	54.0	58.4	51.6	1.5	1.4	397	377	90	90	S	7	W	15	10	10	—	0.67	0.5	46	• showers.	
31	29	30	56.2	52.6	61.3	52.0	4.2	2.8	337	323	74	81	W	11	WNW	4	8	1	—	5.1	48	48	Fine till 2p.	
M.	29.554	29.569	57.1	56.1	62.7	52.5	2.8	2.1	386	390	83	87		7		6	9.1	8.9	6.642	71	49.6			

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—AUGUST 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	Temp. on Grass.				
1	29.45	29.46	60.9	55.5	65.3	48.2	6.1	2.5	355	370	66	84	SW	2	SE	1	2	8	ins.	hrs.	°	Fine.	
2	29.45	29.46	56.5	55.4	58.6	55.4	0.5	0.4	441	427	96	97	SE	5	SE by E	1	10	9	05	06	50	Dull, with ●.	
3	29.45	29.46	56.5	55.1	65.0	51.9	4.5	2.9	374	353	73	82	S	4	S	1	6	8	03	06	50	● showers.	
4	30	35	57.4	53.9	64.1	51.4	2.4	0.6	400	399	85	96	SE	4	SE	2	8	3	01	09	48	Fine.	
5	36	39	58.3	56.2	64.0	46.8	1.9	3.2	429	362	87	80	Calm	0	W	4	3	8	02	46	45	● showers.	
6	42	49	56.8	56.9	59.9	51.4	3.6	0.0	359	463	77	100	W	4	NW	2	9	100	13	01	50	Dull, with ● showers.	
7	55	61	56.7	56.2	61.2	53.0	0.0	0.2	460	446	100	99	NE	2	NE	1	10	10	03	01	52	Dull, with ●.	
8	61	63	58.3	52.2	65.0	52.2	2.5	0.0	411	391	84	100	E	2	Calm	0	9	100	01	87	51	Fine.	
9	67	74	59.4	51.8	67.5	49.0	1.1	0.8	471	364	94	94	NW	2	NNE	1	9	2	—	93	49	Fine. Clear n.	
10	81	78	54.1	52.2	62.5	42.8	1.1	1.0	387	363	92	93	NE	1	NW	1	9	10	—	80	40	Fine. Overcast n.	
11	73	65	52.2	59.2	64.3	49.1	0.2	1.4	385	458	99	92	SE	1	Calm	0	8	10	26	55	50	≡ before ga. Fine.	
12	44	49	61.3	58.0	71.2	56.0	2.2	1.7	505	430	87	89	W	4	W	5	9	3	01	40	55	● n. ● showers a.	
13	62	69	63.2	55.9	66.5	55.0	4.9	1.1	389	417	73	94	NW by W	4	Calm	0	7	9	—	50	53	Fine, then overcast.	
14	69	55	64.9	58.9	66.0	49.0	5.2	0.7	440	473	72	96	SSE	2	S	1	3	10	45	10.2	45	Fine.	
15	35	48	57.0	52.3	66.4	50.3	0.0	1.2	465	360	100	92	SE	2	NW	3	10	2	—	84	54	● n. Dull a. Clear p.	
16	58	60	59.0	56.2	66.3	50.3	4.3	2.4	386	383	75	85	W	4	S	2	6	9	03	79	46	Fine a. ● 6p.	
17	42	44	60.1	54.2	69.1	52.9	2.8	1.4	431	380	83	91	S	4	W	2	9	1	—	58	49	● showers n. Fine day.	
18	50	37	58.8	54.8	64.2	49.0	3.0	0.0	405	400	82	100	W	5	S	2	7	10	12	54	44	Fine a. ● showers p.	
19	12	27	59.2	56.3	63.0	52.6	4.2	2.3	378	387	75	85	W	3	SW	4	5	9	24	44	48	● showers.	
20	49	26	59.9	58.0	64.0	50.1	3.9	2.4	396	410	77	85	NNW	2	NW	2	8	8	03	12	52	Cloudy, with ●.	
21	24	53	62.3	49.6	64.9	49.6	2.8	0.8	468	335	83	95	NNW	2	SE	3	9	9	03	09	44	Fine, but dull.	
22	63	63	53.0	50.0	57.0	47.6	3.6	1.7	308	317	76	88	NNW	2	W	3	9	9	01	54	39	Bright a. ● showers p.	
23	57	49	54.9	54.1	58.8	47.4	2.9	1.0	350	391	81	94	SE	1	SE	2	4	9	01	54	39	Fine.	
24	40	40	59.0	52.0	62.2	52.0	2.2	1.0	430	361	87	93	SE	2	W	2	8	3	—	28	50	Fine a. ● p.	
25	50	29.40	57.8	54.9	62.0	45.9	2.8	0.0	395	432	82	100	NE	1	SSE	2	4	100	54	54	42	● n. Fine p.	
26	55	28.93	62.0	53.5	63.2	51.8	1.2	2.7	513	336	93	82	S	5	S	5	10	9	17	29	51	● a. Fine p.	
27	06	29.33	54.8	52.3	60.1	51.0	2.8	0.5	351	379	82	97	W	6	S	2	9	9	04	31	47	Cloudy.	
28	26	17	55.2	54.0	58.6	50.6	1.8	0.0	384	418	88	100	SSE	4	SE	4	10	100	03	—	47	● n. and during day.	
29	10	16	54.0	52.8	59.1	48.0	2.0	0.0	360	400	86	100	S	4	SE	1	3	100	19	39	45	● n. and during day.	
30	28	49	60.0	53.9	62.0	51.3	3.4	2.7	412	340	80	82	W	4	W	7	6	3	02	28	49	● showers, then fine.	
31	29.70	29.82	59.1	49.5	63.0	49.5	5.2	1.7	351	311	71	89	W	5	W	2	3	3	—	89	47	Fine and breezy.	
M.	29.435	29.456	58.3	54.4	63.4	50.4	2.7	1.2	406	390	83	92	3.1	2.4	7.1	7.4	3.07	156	47.6				

## DOUGLAS, ISLE OF MAN, a.—AUGUST 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29.50	29.45	56.3	55.3	60.5	52.7	1.7	3.3	404	346	89	79	SSW	1	NE	1	4	9	218	4.3	50	● showers from 4.30p.
2	29.45	29.45	55.6	56.0	62.5	52.8	0.6	0.2	425	443	96	99	ENE	4	WSW	2	10	10	211	1.4	53	Misty, with ● showers.
3	29.30	30.30	55.2	55.0	59.4	52.0	1.6	1.4	390	392	90	91	SSW	4	SSW	3	9	9	100	10.2	52	Fine but squally. $\Delta$ p.
4	29.37	37.52	55.1	57.0	52.0	1.1	0.4	374	423	93	97	SE	4	SE	1	9	9	246	1.2	52	● showers.	
5	29.58	58.59	53.9	03.3	47.0	2.9	1.0	420	387	82	93	W	2	NW	2	4	7	011	9.6	45	≡ 6a.-7a. ● showers from 7p.	
6	46.04	55.53	55.0	62.6	51.2	2.8	3.6	359	335	82	77	WNW	4	NNW	2	7	8	—	7.9	50	Fine till 2 p.	
7	63.64	58.58	58.4	62.8	53.7	2.7	1.2	406	451	83	92	WNW	2	Calm	0	8	8	—	0.7	52	Gloomy.	
8	62.63	58.60	60.0	63.7	56.2	1.4	5.0	439	369	91	71	E	1	NE	1	10	9	—	1.2	55	● a. Fine.	
9	69.77	60.99	59.0	68.0	55.0	4.7	5.0	390	354	73	71	NE	2	NE	1	2	10	—	10.0	52	● a. Very fine. T	
10	82.80	63.58	58.4	68.5	51.8	8.6	7.0	335	301	57	61	ENE	2	SE	1	0	7	—	13.5	45	● a. Very fine. T	
11	76.67	61.75	52.0	64.0	52.0	3.7	0.2	431	383	78	99	SE	1	S	3	3	10	≡	510	6.1	48	Fine till 11a. ● from 6p.
12	53.67	60.66	57.0	67.7	52.0	0.4	2.2	516	399	97	86	W	2	S	3	9	8	064	3.4	56	≡ till 6a. ● 4p.	
13	74.76	61.00	58.3	63.5	54.8	3.0	3.1	439	395	82	80	WNW	1	SE	3	1	7	010	2.2	54	Gloomy.	
14	69.45	58.88	60.5	65.8	55.5	0.0	2.2	496	—	100	87	E	2	ESE	3	10	≡	7	616	27	54	≡ till 11a.
15	44.56	57.88	54.4	62.3	54.0	2.8	0.5	395	410	82	97	WSW	5	WSW	1	7	9	024	10.5	55	≡ 2a.-3.30a. ● 8.30p.	
16	64.62	59.80	58.0	62.3	51.7	2.5	1.4	422	439	85	91	S	2	S	4	3	9	100	5.6	49	Fine till 11.30a., then dull.	
17	45.58	57.66	57.8	63.7	56.7	0.2	2.8	470	395	99	82	SW	4	W	4	10	≡	8	018	5.4	56	≡ till 10a. ● a. and 3p.
18	60.30	58.4	57.1	58.7	52.0	2.4	0.0	415	467	85	100	SW	4	SW	6	8	100	469	2.6	49	● a. Squally, with ● from 7p.	
19	25.47	56.1	55.7	63.7	52.9	2.4	2.4	382	376	84	85	WSW	6	WNW	2	9	1	047	3.8	51	● showers 11a.-3p.	
20	54.30	55.1	57.2	60.0	52.2	1.1	1.0	402	437	92	93	SSW	2	SSW	7	9	9	061	0.3	49	● showers till 3p. ≡ 1p.-3p.	
21	39.61	57.0	55.0	58.9	54.5	1.0	0.8	434	409	93	94	WNW	3	W	1	10	8	010	1.5	54	● showers till 2.30p.	
22	69.68	56.1	53.0	59.3	51.9	5.1	1.0	316	374	69	93	NW	3	WSW	1	5	9	091	8.2	50	Cloudy from 2p.	
23	54.48	54.2	52.6	59.7	50.0	0.4	0.6	409	380	98	96	SE	3	WNW	1	9	9	334	5.2	48	● showers a. ≡ noon.	
24	46.49	60.0	52.8	62.2	51.0	1.3	0.8	412	377	80	94	SE	2	WNW	1	8	4	—	5.7	48	● early a. Fine.	
25	52.32	56.2	58.0	62.2	51.0	1.4	0.0	413	482	91	100	SSW	1	S	4	9	10	819	2.0	48	● showers. ≡ 5p.-9p.	
26	04.01	55.2	55.5	58.3	51.5	2.2	1.3	373	373	86	90	S	6	W	8	7	100	2.0	1.3	54	Squally, with ● showers.	
27	35.35	53.0	56.0	56.0	51.2	3.2	1.7	320	399	79	89	W	7	S	5	9	9	402	0.8	50	Dull and squally. ● 1p. and 3p.	
28	17.13	53.0	54.3	56.7	52.0	1.0	1.8	374	371	93	88	S	3	ESE	1	10	10	111	0.1	51	● till 1p. Dull.	
29	30.18	55.4	56.0	58.4	52.5	0.9	1.0	413	419	95	93	SSE	2	S	1	9	10	222	4.0	51	● showers 8.30a.-2.30p.	
30	38.69	55.0	53.7	59.1	50.1	0.9	2.4	406	346	94	84	W	4	W	5	9	2	020	1.5	48	Squally, with ● showers.	
31	29.84	29.95	56.6	55.9	48.0	2.0	1.0	400	309	87	93	W	4	NW	2	9	10	022	0.5	49	● showers 10.30a.-4p.	
M.	29.493	29.502	57.2	55.7	61.6	52.3	2.2	1.8	406	393	87	89	3.0	2.5	7.5	7.7	5.276	133	50.9			

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—AUGUST 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +.023 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.					Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.		Percentage.												
																				9 a.m.	9 p.m.	9 a.m.	9 p.m.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	58.0	59.3	65.0	48.5	4.8	4.3	347	377	72	74	S	4	—	0	8	10	ins.	hrs.	°	Sunny intervals.	
2	29.44	29.38	58.0	59.3	65.0	48.5	4.8	4.3	347	377	72	74	S	4	—	0	8	10	.050	3.9	44	• showers.	
3	29.40	29.35	58.5	59.7	65.5	48.5	2.2	2.7	423	381	86	83	E	11	S	16	10	10	.180	2.8	44	Fine a. • 5p.—6p.	
4	29.46	29.41	57.5	58.4	62.5	53.5	4.5	2.9	333	343	72	81	S	10	—	2	7	4	.040	2.5	52	Much cloud a.	
5	29.42	29.37	57.6	58.6	65.2	51.5	3.7	3.6	370	371	77	78	SE	12	—	1	6	5	—	6.6	46	Sunny and warm.	
6	29.44	29.39	58.0	59.2	65.2	48.5	4.0	1.5	427	393	77	90	W	5	W	7	5	3	—	12.0	44	Sunny intervals.	
7	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	≅ 8.30a. • 5p.—6p.	
8	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Fair, but overcast.	
9	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Bright and sunny.	
10	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Sunny through mist. • 10p.	
11	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Misty, with •.	
12	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Sunny intervals.	
13	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Cloudy a. Fine p.	
14	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ early a. Fine day.	
15	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Fine all day.	
16	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Sunny intervals. • from 4p.	
17	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers.	
18	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ a. Fine intervals.	
19	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers all day.	
20	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ 7a.—10a. Fine p.	
21	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ 4p.—6p. and 8p.—10p.	
22	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Sunny intervals.	
23	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers.	
24	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ a. Fine p.	
25	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers all day.	
26	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ 7a.—10a. Fine p.	
27	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ 4p.—6p. and 8p.—10p.	
28	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	Sunny intervals.	
29	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers.	
30	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ a. Fine p.	
31	29.45	29.40	58.2	59.5	65.2	48.5	4.7	3.2	358	366	72	80	W	15	W	9	8	10	—	4.0	50	☞ showers all day.	
M.	29.428	29.442	58.6	59.9	63.6	52.3	3.1	2.8	360	386	81	83	8	5	8.1	7.0	7.186	106	49.2				Fine a. Dull p.

## SHREWSBURY, SHROPSHIRE.—AUGUST 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.	°			
1	ins.	ins.	60.4	58.4	68.3	47.4	4.3	4.1	393	370	75	76	WSW	3	SSW	1	7	6	ins.	hrs.	°	Bright a. Cloudy p.	
2	29.61	29.50	59.7	56.9	65.9	55.0	3.0	3.9	402	352	79	76	SSE	4	SW	4-5	9	9	03	—	43	☉ showers a. Dull.	
3	45	43	61.4	55.0	66.0	49.8	5.8	1.0	369	403	68	93	SSW	3	SSW	3	6	8	05	—	54	Bright a. ☉ showers p. Fine and bright.	
4	41	43	61.0	59.0	69.6	50.9	5.3	3.0	376	407	71	82	SSW	4	Calm	0	4	6	—	—	48		
5	52	65	63.1	56.2	69.1	45.2	5.0	3.9	416	345	72	76	WSW	3	WNW	2	6	2	—	—	43		
6	73	74	59.2	53.8	65.0	50.9	5.5	2.3	345	351	69	85	NW	3	W	2	7	7	—	—	46	Fine. Cloudy evening.	
7	72	71	57.8	59.0	66.8	53.6	2.2	1.5	412	452	86	91	W	1	W	1	100	10	01	—	51	☉ till 10a. and 7.30p.	
8	69	67	62.0	60.3	66.9	56.6	4.1	2.3	424	449	77	86	NW	1	Calm	0	10	10	—	—	57	Dull and overcast.	
9	71	80	59.5	55.0	71.0	52.0	3.5	2.0	401	375	79	87	NW	3	NW	1	10	0	—	—	51	Dull a. Fine evening.	
10	87	87	63.1	56.0	75.9	44.6	5.6	1.8	400	397	70	88	N	2	Calm	0	0	0	—	—	42	Fine and bright.	
11	88	81	64.0	63.7	75.0	41.2	4.3	3.8	452	463	76	78	SE	2	SE	1	3	100	12	—	40	☉ from 8p.	
12	65	78	64.0	59.0	71.0	58.6	2.0	3.0	525	407	88	82	WNW	3	WNW	3	10	5	01	—	58	Dull a. Bright p.	
13	83	85	59.5	60.6	62.6	55.0	1.6	0.5	457	511	90	96	NW	2	SE	1	100	8	11	—	52	☉ till 10a. and 7.30p.	
14	81	58	63.0	67.0	72.6	51.6	1.0	4.6	540	496	94	75	SE	1	SE	3	10	10	36	—	50	☉ till 10a. and 7.30p.	
15	56	72	62.1	56.1	68.9	54.4	5.1	2.8	398	372	71	82	W	4	W	2	6	1	—	—	56	☉ till 10a. and 7.30p.	
16	78	78	64.0	62.0	68.9	52.0	0.0	4.2	403	421	67	76	WSW	3	W	4	6	5	07	—	49	☉ till 10a. and 7.30p.	
17	64	71	61.7	57.0	72.0	55.8	1.9	1.5	486	420	89	90	SW	4	SW	3	4	3	—	—	54	☉ till 10a. and 7.30p.	
18	75	49	61.9	59.2	67.1	51.1	6.1	1.4	368	458	66	92	SW	3	SW	2	7	100	22	—	49	☉ till 10a. and 7.30p.	
19	46	61	60.1	60.0	66.8	53.7	4.1	4.0	394	395	76	76	SW	4	SW	4	7	10	13	—	51	☉ till 10a. and 7.30p.	
20	69	53	56.1	61.0	71.8	54.7	0.6	3.4	433	427	96	80	SSW	2	SSW	4	100	6	12	—	52	☉ till 10a. and 7.30p.	
21	53	67	60.9	57.9	66.8	67.6	2.0	2.9	469	394	88	82	SW	4	SW	1	10	8	—	—	56	☉ till 10a. and 7.30p.	
22	76	80	61.6	52.0	63.8	51.5	6.5	2.4	354	325	65	84	WNW	2	NW	2	6	7	01	—	54	☉ till 10a. and 7.30p.	
23	70	56	55.0	56.6	64.7	47.0	2.0	0.0	375	459	87	100	SW	2	SSW	1	100	10	42	—	45	☉ till 10a. and 7.30p.	
24	52	62	56.2	53.3	65.6	52.4	0.5	1.8	437	358	97	89	NW	2	NW	2	10	1	05	—	51	☉ till 10a. and 7.30p.	
25	64	51	59.5	62.0	65.1	50.0	3.2	1.1	410	517	81	93	WSW	3	WSW	1	10	10	07	—	46	☉ till 10a. and 7.30p.	
26	28	34	57.5	55.1	64.2	55.1	2.3	4.1	405	324	85	74	SW	3	WNW	4	9	100	02	—	57	☉ till 10a. and 7.30p.	
27	53	54	55.8	55.3	60.9	47.6	2.0	0.6	394	393	87	95	SSW	3	W	4	2	10	—	—	49	☉ till 10a. and 7.30p.	
28	32	23	59.0	50.2	59.2	50.2	4.4	0.0	370	364	74	100	SSW	4	Calm	0	10	100	53	—	52	☉ till 10a. and 7.30p.	
29	26	32	56.2	53.5	60.9	47.6	2.0	0.6	394	393	87	95	SSW	3	W	4	2	10	—	—	49	☉ till 10a. and 7.30p.	
30	54	29.83	56.9	57.0	62.3	50.0	1.9	2.8	406	383	88	82	SW	4	W	3	9	6	005	—	48	☉ till 10a. and 7.30p.	
31	29.98	30.02	58.9	57.5	66.0	52.6	3.0	1.3	406	433	81	91	W	3	NW	2	8	10	—	—	49	☉ till 10a. and 7.30p.	
M.	29.616	29.628	60.0	57.6	67.1	51.6	3.6	2.4	410	406	79	85							2.545	—	49.8		

## CAMBRIDGE, a.—AUGUST 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +.019 in.

1	29.83	29.75	65.1	60.0	71.0	50.0	7.4	6.0	383	344	62	66	W	1	SE	2	2	10	05	10.8	43	Fine and sunny.	
2	63	65	63.0	57.0	67.2	56.8	5.0	2.8	414	383	72	82	SE	3	S	4	5	2	—	5.5	54	Sunny intervals.	
3	71	70	62.5	56.4	71.3	51.2	6.0	3.1	380	367	68	81	S	3-4	SSE	1	2	4	—	12.0	46	Fine and sunny. T 2p.	
4	65	61	62.0	56.0	73.0	54.0	5.3	0.6	391	431	71	96	SW	2	Calm	0	9	9	36	7.3	49	☉ 2p. and 8p. ☉ 6p.	
5	65	79	56.0	57.0	68.2	51.0	0.3	1.0	440	434	98	93	W	1	Calm	0	10	9	03	1.0	46	☉ 2p. and 8p. ☉ showers	
6	87	91	60.4	54.1	66.0	50.0	4.4	1.8	390	367	74	87	W	4	Calm	0	7	2	—	4.0	45	Sunny intervals.	
7	88	85	59.5	59.9	68.0	45.2	3.6	2.0	398	452	90	88	SW	2	Calm	0	8	10	04	0.8	40	Overcast.	
8	82	83	60.2	58.7	64.5	56.2	1.7	1.7	466	440	90	89	W	1	N	2	10	8	11	—	56	Overcast. ☉ 6p.	
9	83	29.91	57.1	58.0	67.0	54.5	0.1	1.0	464	451	99	93	WNW	1	NNW	2-3	1000	0	05	52	☉ 6a.-9a. Overcast.		
10	29.98	30.04	60.5	56.0	67.8	50.5	3.0	1.5	431	405	82	90	NNW	3	N	2	9	1	10.0	47	Fine from 8.30a.		
11	30.09	30.04	59.0	60.3	74.0	54.0	5.0	3.5	354	413	71	80	N	1	S	2	6	2	06	10.0	51	Fine from 8.30a.	
12	29.91	29.93	61.0	61.9	71.3	56.0	1.8	2.9	477	457	89	83	S	3	S	3	10	8	15	52	☉ till 9a.		
13	30.02	30.04	61.0	61.0	64.4	54.0	2.5	0.8	455	510	85	95	SW	2	Calm	0	10	10	11	—	48	☉ showers. Gloomy.	
14	30.00	29.98	66.0	60.0	73.1	59.8	2.3	2.7	554	432	87	84	S	3	SE	1	900	2	—	2.8	58	Overcast and very warm.	
15	29.67	29.91	68.4	58.2	73.5	58.0	3.1	4.2	573	464	83	75	SW	3	SW	1	9	0	—	8.3	54	T 4.30a. Fine from 10a.	
16	30.00	30.02	64.0	61.0	73.9	51.0	5.4	4.0	420	410	70	77	SW	2	S	2	3	6	—	11.3	44	Fine and sunny.	
17	29.93	29.90	61.0	59.4	70.0	51.5	2.3	3.4	461	402	86	80	S	2	SW	2-3	9	0	—	5.0	46	Sunny 2.30p.-6.30p.	
18	95	79	63.8	61.3	72.2	49.2	5.9	3.0	402	444	69	82	S	2	SW	3	6	10	13	41	45	Sunny till 3p.	
19	66	81	65.9	61.0	74.0	58.9	5.9	5.1	435	381	68	72	SW	4-5	SW	3	6	9	01	10.3	56	☉ n. Sunny day.	
20	93	80	63.0	62.1	78.0	53.4	4.6	2.1	429	486	74	87	SSW	2-3	SW	3	9	3	02	2.8	47	☉ 7a. and after 5p.	
21	77	84	63.0	61.0	68.0	58.0	6.0	3.7	387	419	67	79	SSW	5	SW	3-4	10	0	—	5.5	52	Sunny intervals.	
22	89	95	57.0	53.7	63.0	53.7	1.6	1.7	417	364	84	97	N	3	Calm	0	9	10	01	1.8	41	☉ early a.	
23	94	82	59.0	58.4	68.0	47.0	5.8	1.2	335	451	67	92	SW	2	S	3	8	0	09	4.5	39	☉ showers. Sunny intervals	
24	69	79	61.0	56.0	71.3	56.0	1.1	2.0	500	391	93	87	SW	2-3	S	1	10	0	—	5.5	53	☉ till 11a., then sunny.	
25	86	80	62.6	61.2	66.3	42.0	5.6	1.2	392	500	69	93	S	2-3	S	2-3	5	0	27	4.0	41	Sunny 6a.-10a.	
26	54	61	64.0	56.7	67.4	55.0	1.1	4.5	557	336	93	72	S	5	SW	6	10	0	02	6.3	56	☉ 5.15a. ☉ 5.40a. Sunny	
27	71	81	59.0	55.0	62.8	51.4	6.8	2.2	312	370	62	86	SSW	6	S	2	0	0	—	4.8	45	Sunny 8a.-noon.	
28	67	47	60.3	57.3	64.0	50.9	3.6	1.4	411	427	79	90	SE	3-4	SSE	3	9	100	13	—	44	Overcast. ☉ n.	
29	55	29.60	60.9	53.9	65.5	48.2	4.0	0.9	409	389	77	91	SSE	2	SE	2	8	0	05	6.5	42	Sunny ☉ n.	
30	29.75	30.00	60.8	55.0	65.8	53.4	4.0	0.7	407	412	78	95	W	4	Calm	0	9	0	05	7.0	47	A few ☉ showers.	
31	30.15	30.19	55.8	56.8	67.0	50.0	2.4	1.2	378	426	84	92	WSW	3	Calm	0	10	2	—	3.0	42	Sunny midday.	
M.	29.823	29.839	61.4	58.2	69.0	52.6	3.8	2.4	426	415	79	85	2.7		1.9	7.6	4.5	1.54	162	47.6			

SOUTHAMPTON, HAMPSHIRE, a.—AUGUST 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.	°			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	
1	29.81	ins.	ins.	62.9	61.8	66.3	52.0	5.5	4.5	.399	.410	69	75	SW	†	SE	†	ins	hrs.	°			
2	29.76	56	68	62.9	61.8	66.3	52.0	5.5	4.5	.399	.410	69	75	SW	3	SE	4	10	120	57	45	Fine.	
3	29.72	67	61	62.3	57.9	65.8	52.4	4.6	1.6	.399	.431	81	97	SW	6	SW	3	10	1010	27	53	● showers a.	
4	29.61	61	62	60.4	57.8	63.0	53.0	6.2	2.0	.373	.418	66	87	SE	3	SW	3	9	1020	9.4	41	● showers 7p. and 8p.	
5	29.66	83	63	60.5	60.1	70.8	54.4	2.8	2.2	.377	.449	83	86	W	2	W	2	5	1000	1.8	42	Dull. ● 8p.-9.30p.	
6	29.92	94	63	63.0	55.0	66.4	51.6	5.9	2.9	.390	.352	68	82	NW	1	WNW	1	7	1000	—	6.6	54	Fine and warm.
7	29.91	85	64	63.0	72.8	50.3	54.4	2.1	4.9	.449	.503	75	87	W	3	NW	1	8	10	—	6.1	43	Fine a. Dull and close p.
8	29.82	77	62	61.3	70.0	57.6	52.8	2.5	4.6	.460	.460	83	85	N	1	NE	2	10	4	—	3.0	58	● Dull and close.
9	29.77	29.86	61.4	62.0	67.8	58.6	3.1	2.1	.443	.484	82	87	NNE	1	NE	2	10	10	—	1.8	54	Dull and close a.	
10	29.94	30.00	67.3	62.8	73.5	55.2	8.2	5.5	.397	.397	59	70	NE	3	N	1	3	0	—	13.4	53	● Very fine and warm.	
11	29.97	07	56.0	58.9	69.7	50.1	1.8	1.6	.397	.446	88	90	NE	1	SW	1	10	4	0.045	8.2	45	● Dull a. Fine p.	
12	29.93	00	62.3	60.0	73.1	58.3	0.4	3.1	.518	.420	97	81	SW	2	W	3	10	3	0.005	3.7	50	● n. Dull a. Fine p.	
13	30.03	30.05	61.9	64.1	74.9	55.1	1.1	1.2	.516	.555	94	92	SW	4	SW	2	10	8	—	1.8	52	Dull and close.	
14	29.97	29.73	65.8	67.1	72.7	62.2	3.0	3.7	.526	.528	83	79	ESE	3	ESE	6	10	1000	0.015	5.3	61	Dull and close a. Bright p.	
15	29.77	29.95	66.4	59.7	71.9	59.3	7.5	2.4	.400	.436	62	86	WNW	5	W	2	5	4	—	9.0	56	Fine and warm.	
16	30.01	30.04	65.2	59.2	68.7	54.0	5.3	1.3	.442	.461	72	92	SW	2	SW	2	8	8	0.005	9.0	48	Fine. ▴	
17	29.95	29.94	61.0	59.9	66.8	58.1	1.6	1.3	.483	.474	90	93	SW	4	SW	2	9	2	—	3.9	54	Fine. ▴	
18	29.99	83	63.2	61.0	67.7	48.7	4.3	2.1	.438	.467	76	87	WSW	1	SW	5	5	10	0.090	5.2	42	Fine a. Dull p.	
19	29.74	85	65.8	59.7	71.3	59.7	5.4	4.6	.449	.375	71	73	WSW	4	W	1	5	0	—	11.7	55	● 2.30a.-6a. Fine day.	
20	29.83	86	62.1	61.0	63.4	53.7	2.0	1.2	.489	.496	88	93	S	3	SW	4	10	7	0.077	0.4	48	Dull, with ☉.	
21	29.85	89	63.9	58.3	68.2	58.3	5.0	2.9	.430	.400	72	81	SW	4	WNW	2	6	1	—	7.3	52	● Fine and warm.	
22	29.91	96	61.9	55.5	66.0	52.1	3.9	3.4	.428	.347	77	79	NW	1	NW	2	8	8	—	1.7	46	● Bright intervals.	
23	29.93	79	60.0	59.1	64.2	46.6	3.9	1.0	.398	.469	77	79	SE	3	S	4	10	1000	.443	1.8	40	Fine early a. ● showers p.	
24	29.96	84	65.0	57.6	67.3	57.2	3.8	3.4	.484	.377	79	79	W	3	W	2	80	3	0.050	6.0	58	● 0a.-6a. Fine day.	
25	29.86	78	59.0	62.1	64.6	53.2	0.8	1.5	.474	.506	95	91	SW	2	SE	3	1000	7	0.060	0.5	48	Dull, with ☉ showers.	
26	29.53	70	62.6	56.8	68.4	50.3	0.9	3.2	.537	.370	94	80	SW	4	NW	4	10	0	0.010	5.4	60	Fine from 10a.	
27	29.82	82	61.1	57.5	64.6	53.2	7.2	2.3	.331	.405	62	85	SW	4	SW	2	2	2	—	6.2	48	Fine.	
28	29.59	41	61.3	53.6	64.1	53.4	2.2	0.9	.410	.386	76	94	SE	5	SW	4	10	1000	.500	0.1	51	● showers.	
29	29.48	29.59	59.0	50.8	62.3	51.3	2.3	2.2	.427	.397	86	86	SW	4	SW	4	1000	0	.300	6.5	49	● showers till 3p.	
30	29.80	30.06	62.7	58.2	66.1	54.8	5.3	2.5	.402	.410	70	84	SW	4	SW	2	8	4	—	1.5	51	Fine. ▴ p.	
31	30.21	30.21	59.4	58.9	64.0	50.8	3.9	1.3	.390	.456	77	92	NW	3	SW	3	8	2	—	0.2	43	Fine. ▴ p.	
M.	29.831	29.847	62.2	59.5	67.7	54.4	3.9	2.4	.437	.436	78	86	3.0	2.7	7.6	5.4	1.860	152	50.0				

## PLYMOUTH, DEVONSHIRE, a.—AUGUST 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar, 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +·015 in.

1	29° 68'	29° 40'	60° 0'	58° 0'	62° 0'	55° 1'	3° 2'	1° 0'	4° 17'	4° 51'	81	93	ESE	20	ESE	13	6	100	—	3° 0'	1° 1'	51	Fine a. ☼ in evening.
2	46	64	56° 0'	57° 0'	63° 5'	55° 7'	1° 4'	1° 4'	4° 19'	4° 42'	93	91	W	23	WSW	31	10	7	—	6° 5'	—	65	☼ showers a.
3	63	59	60° 0'	57° 0'	60° 0'	54° 3'	2° 3'	1° 8'	4° 44'	4° 11'	86	88	SW	20	SW	12	6	7	74	4° 4'	52	☼ midday. Fine afternoon.	
4	53	57	61° 0'	58° 3'	61° 6'	55° 6'	3° 2'	2° 5'	4° 33'	4° 11'	81	84	SW	10	WNW	5	5	6	01	6° 6'	52	Sunny, then a few ☼ showers	
5	71	87	59° 5'	57° 5'	64° 0'	55° 7'	4° 5'	3° 2'	3° 74'	3° 80'	73	80	NW	10	WNW	8	8	3	01	7° 7'	52	Intermittent sunshine.	
6	92	93	62° 5'	57° 1'	64° 0'	51° 3'	4° 5'	0° 1'	4° 20'	4° 64'	74	99	WNW	7	WNW	6	4	100	03	5° 5'	48	Fine and sunny a, then ☼	
7	89	86	64° 0'	59° 0'	69° 3'	57° 0'	3° 3'	3° 3'	4° 83'	3° 99'	81	80	NW	6	N	4	7	3	—	8° 1'	58	Cloudy a. Sunny afternoon	
8	78	75	63° 0'	60° 0'	64° 5'	56° 7'	3° 2'	2° 0'	4° 68'	4° 53'	81	88	—	0	N	5	9	10	02	1° 0'	53	Fine, but with cool breeze.	
9	73	83	61° 2'	60° 0'	67° 0'	56° 0'	1° 2'	1° 8'	5° 00'	4° 59'	93	89	—	0	N	6	10	3	—	1° 7'	58	Cloudy a.	
10	92	98	66° 8'	60° 0'	70° 0'	58° 0'	6° 4'	3° 0'	4° 43'	4° 23'	67	82	—	2	S	0	2	3	—	11° 4'	54	Fine and sunny.	
11	99	29° 99'	65° 3'	60° 3'	67° 5'	53° 7'	4° 3'	0° 5'	4° 47'	5° 06'	70	97	—	0	S	15	3	3	13	9° 2'	51	Fine and sunny. ☼ in evening	
12	29° 92'	30° 01'	63° 3'	61° 0'	70° 2'	59° 4'	0° 9'	4° 0'	5° 49'	4° 10'	94	77	W	9	W	6	10	3	02	7° 5'	60	Fine and sunny.	
13	30° 00'	29° 99'	62° 8'	60° 0'	65° 0'	57° 0'	0° 5'	4° 0'	5° 54'	3° 95'	97	76	W	11	—	2	10	10	—	0° 3'	53	Overcast.	
14	29° 83'	29° 83'	61° 6'	60° 0'	69° 0'	72° 0'	5° 8'	1° 0'	6° 8'	5° 80'	463	94	65	SW	20	E	17	3	9	24	9° 0'	53	Fine and sunny, then cloudy
15	78	90	64° 0'	60° 0'	69° 0'	57° 0'	4° 1'	1° 3'	4° 58'	4° 75'	77	92	WSW	12	SW	10	4	6	—	12° 3'	53	Fine and sunny. Cool breeze	
16	96	95	65° 0'	61° 0'	66° 7'	58° 3'	3° 0'	0° 9'	5° 10'	5° 06'	83	95	SSW	13	S	20	4	9	33	9° 5'	55	Fine and sunny.	
17	84	93	61° 4'	59° 8'	68° 1'	60° 0'	4° 0'	2° 1'	5° 30'	4° 48'	98	87	SSW	17	—	3	10	4	—	8° 0'	59	Overcast a. Sunny afternoon	
18	92	75	64° 0'	62° 0'	65° 3'	54° 5'	3° 0'	1° 0'	4° 92'	5° 20'	82	94	S	8	SSW	24	7	9	22	5° 4'	48	Cloudy and unsettled.	
19	74	89	64° 0'	60° 0'	69° 0'	59° 0'	4° 0'	1° 3'	4° 72'	4° 75'	78	92	W	13	W	5	4	3	05	12° 6'	56	Fine and sunny.	
20	83	80	62° 4'	62° 3'	65° 7'	58° 1'	0° 0'	1° 5'	5° 64'	5° 09'	100	91	SSW	19	SW	20	10	5	07	2° 4'	52	Overcast, then fine.	
21	84	90	64° 0'	64° 0'	68° 0'	58° 1'	4° 0'	3° 0'	4° 61'	3° 93'	77	81	WSW	17	WSW	8	7	2	—	5° 3'	52	Fine and sunny, but cool	
22	93	98	60° 2'	55° 0'	65° 0'	58° 1'	4° 3'	2° 0'	3° 90'	3° 75'	75	87	NW	9	—	1	6	9	29	6° 3'	46	Intermittent sunshine.	
23	84	65	60° 0'	60° 0'	63° 0'	52° 0'	3° 0'	0° 0'	5° 08'	5° 18'	98	100	WSW	13	SW	11	9	10	80	4° 4'	50	Overcast, with ☼.	
24	74	83	61° 7'	59° 5'	65° 0'	55° 8'	5° 1'	4° 2'	3° 91'	3° 82'	71	75	NW	13	—	2	5	6	14	6° 8'	52	Intermittent sunshine.	
25	77	66	60° 3'	61° 0'	64° 0'	56° 0'	0° 0'	0° 0'	5° 24'	5° 37'	100	100	SW	7	SW	14	10	100	04	0° 4'	53	Overcast and sultry, then ☼.	
26	54	72	60° 2'	57° 0'	65° 3'	56° 4'	4° 1'	2° 0'	3° 96'	4° 05'	76	87	W	14	W	15	7	8	—	9° 8'	58	Fine and sunny.	
27	81	70	60° 2'	59° 1'	63° 3'	54° 0'	3° 2'	1° 8'	4° 20'	4° 44'	81	89	WSW	13	SW	25	6	9	50	4° 1'	50	Fine and sunny, then cloudy	
28	41	40	57° 5'	55° 5'	59° 8'	53° 2'	0° 5'	0° 0'	4° 50'	4° 33'	97	100	SSW	23	SW	11	10	10	79	—	55	Overcast, with ☼.	
29	38	29° 56'	59° 0'	57° 0'	63° 3'	53° 9'	2° 0'	2° 0'	4° 36'	4° 05'	88	87	SW	14	WSW	13	7	10	02	6° 7'	51	A few ☼ showers.	
30	29° 79'	30° 05'	61° 0'	58° 0'	65° 2'	55° 2'	4° 4'	2° 0'	3° 99'	4° 21'	75	87	W	9	WSW	6	7	8	—	5° 5'	51	Cloudy and unsettled.	
31	30° 20'	30° 21'	61° 0'	60° 0'	62° 7'	53° 9'	4° 0'	1° 0'	4° 10'	4° 85'	77	94	WNW	8	NW	5	8	9	03	0° 8'	51	A few ☼ showers.	
M.	29° 783'	29° 803'	61° 8'	59° 3'	65° 4'	55° 9'	2° 8'	2° 0'	4° 63'	4° 44'	84	88	—	12	—	10	6° 9'	6° 9'	5° 38'	177	52° 8'		

\* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—AUGUST 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.	°	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	57.4	53.3	63.3	48.7	4.1	2.3	355	343	75	84	S	5	—	3	10	100	ins.	760	2.8	44	Fine day. ☉ from 7p.
2	29.54	29.53	57.4	53.3	63.3	48.7	4.1	2.3	355	343	75	84	S	5	—	3	10	100	760	2.8	44	Fine day. ☉ from 7p.	
3	35	27	54.8	54.2	62.0	51.0	0.1	0.5	428	406	99	97	—	3	—	2	10	100	570	1.2	50	Rainy day. ☉ 5p.-6.30p.	
4	31	28	56.5	52.7	63.3	50.1	4.3	1.9	338	347	73	88	S	7	SSE	4	4	100	570	1.2	49	A few ☉ showers.	
5	28	41	57.0	53.1	62.8	48.6	3.0	3.9	377	303	81	74	—	1	—	2	9	0	558	6.7	43	Fine.	
6	58	70	60.0	54.8	67.7	51.7	5.3	3.3	362	340	70	79	—	1	—	1	6	0	587	7.4	45	☉ showers 2p.-3p.	
7	74	76	60.5	54.0	69.9	47.0	4.5	0.6	389	400	74	96	—	2	—	2	3	2	—	12.5	44	Very fine.	
8	74	76	63.1	58.7	73.1	51.8	7.1	2.3	360	423	63	85	—	1	—	2	0	3	—	9.5	46	Very fine.	
9	67	70	61.9	60.0	68.0	52.0	1.5	2.1	503	450	91	87	—	2	—	0	10	0	1013	0.6	49	Fine.	
10	78	87	61.8	59.8	69.5	55.3	3.8	3.9	429	395	78	77	—	3	—	2	9	0	—	8.3	55	Very fine.	
11	91	84	65.0	55.4	73.7	50.1	6.9	5.4	394	299	64	68	—	0	—	2	0	2	—	10.9	44	Very fine.	
12	76	66	63.8	59.7	66.6	48.2	7.0	1.2	374	474	63	93	S	5	S	4	2	10	568	2.7	44	☉ showers from 9p.	
13	62	76	64.0	56.5	70.1	56.5	3.3	2.5	384	81	83	84	—	1	—	2	8	10	58	8.0	58	Fine.	
14	80	75	62.7	58.4	66.2	55.0	3.7	2.5	447	413	78	84	—	1	—	2	9	10	—	0.6	53	Overcast.	
15	69	43	62.8	60.6	67.1	57.0	2.9	1.0	474	496	83	94	S	7	SSE	4	10	10	1117	1.1	52	☉ 5p.-mid. ☉ 10p.-11p.	
16	46	50	59.0	55.3	66.0	54.4	5.0	2.6	354	364	71	83	SW	12	SSW	6	10	1	1010	9.5	51	Fine.	
17	46	52	59.2	59.0	65.8	51.6	3.2	2.3	405	427	81	86	S	6	S	13	10	10	1065	1.1	48	A few ☉ showers.	
18	45	60	61.5	54.1	65.7	54.1	3.3	3.5	439	323	80	78	SSW	10	—	3	10	0	807	4.6	56	Fine.	
19	59	30	55.1	55.7	62.7	52.0	2.2	2.5	371	374	85	84	S	7	SW	7	10	1	1005	0.8	50	☉ (60 in.) 4p.-5p.	
20	24	56	55.7	54.0	65.9	53.7	1.0	2.4	416	350	94	84	SW	13	—	3	10	4	135	6.3	51	Fine.	
21	51	26	60.0	66.1	32.0	1.2	1.2	397	479	92	93	—	1	S	9	100	10	10	—	1.9	49	☉. Cloudy.	
22	80	72	58.9	51.2	65.0	51.2	2.3	2.8	426	307	86	81	—	2	—	0	10	1	—	1.3	52	Fine.	
23	56	72	57.6	54.0	62.3	40.7	4.4	3.2	351	329	74	79	—	2	—	3	8	10	217	3.7	40	Fine.	
24	54	51	60.0	55.0	66.0	53.0	4.2	2.0	390	375	75	87	SW	6	—	0	4	10	—	4.5	48	Fine.	
25	54	60	57.8	54.9	64.0	50.8	2.8	2.0	395	375	82	87	—	3	—	2	10	9	583	3.3	48	A few ☉ showers.	
26	57	21	54.0	58.5	59.5	50.2	1.1	1.0	395	459	92	94	—	2	SSE	12	10	100	303	—	48	☉ from 11a.	
27	28	22	56.5	51.5	60.0	51.5	2.0	0.7	398	362	87	95	S	10	W	6	10	100	377	0.3	51	☉ most of day.	
28	29	24	52.1	54.4	57.7	49.7	2.8	2.4	317	356	81	84	SW	7	SSE	12	10	10	525	—	46	Occasional ☉.	
29	17	14	57.4	53.2	62.1	52.2	3.8	2.1	363	348	77	85	—	2	—	2	8	10	—	6.4	50	Fine.	
30	12	26	57.8	50.8	50.8	3.0	2.4	391	311	82	84	—	—	—	2	9	2	10	510	1.4	49	Fine.	
31	29	29	57.3	53.2	62.0	49.9	2.0	3.7	410	309	87	76	—	3	WSW	4	10	10	550	2.5	46	Fine.	
M.	29	30	56.8	50.0	60.2	50.0	1.0	1.5	398	322	84	90	SW	5	—	1	10	0	527	—	47	Overcast.	
	29	33	58.8	55.4	65.0	51.5	3.3	2.3	398	376	80	85	—	4	—	4	8.0	6.6	4.9	14	127	48.6	

MARKREE CASTLE, SLIGO, a.b.—AUGUST 1910.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar, 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, +.024 in.

[illegible]

\* Miles per hour.

† Beaufort (Scale 0-12).

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—AUGUST 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.22 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.							
							Dep. of Wet.		Vapour Pressure.										Percentage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.						
1	ins.	ins.	58.8	53.7	61.8	46.4	0.9	0.8	355	390	72	94	—	2	ENE	4	10	100	ins.	hrs.	40	Overcast, with ☉.			
2	29.60	29.54	58.8	53.7	61.8	46.4	0.9	0.8	355	390	72	94	—	2	ENE	4	10	100	ins.	hrs.	40	Overcast, with ☉.			
3	34	37	56.1	54.4	59.6	52.1	0.4	1.7	439	376	97	89	—	2	WSW	7	100	10	0.15	0.3	52	Overcast, with ☉.			
4	40	36	56.2	53.1	62.6	51.4	4.1	2.9	340	326	75	80	SW	9	SW	6	8	8	0.20	6.0	50	☉ showers.			
5	29	47	55.7	50.6	63.6	47.9	2.5	1.1	374	341	84	93	ENE	5	—	0	8	0	—	6.2	44	Fine.			
6	64	77	56.7	55.8	65.2	48.0	2.5	2.0	387	359	84	87	W	5	—	3	10	3	—	4.4	43	Cloudy.			
7	82	81	58.0	56.9	66.2	46.9	3.8	1.4	372	421	77	92	W	4	—	1	7	10	—	7.4	45	Cloudy.			
8	80	75	63.9	57.7	69.7	56.8	2.7	0.9	500	450	84	95	W	4	—	2	10	2	—	2.3	55	Cloudy.			
9	72	75	61.7	54.9	63.1	54.2	2.1	0.3	480	422	88	98	—	1	—	2	10	10	—	—	—	—	Overcast. ☉ n.		
10	81	91	59.9	53.0	64.9	52.7	3.3	1.0	413	374	81	93	E	5	—	0	8	0	—	8.3	47	Cloudy a. Bright p.			
11	97	91	63.4	52.5	67.1	44.2	6.3	2.1	386	338	66	86	E	4	—	1	0	5	—	12.0	40	Beautiful day.			
12	85	72	66.0	60.6	66.6	43.9	10.2	1.0	329	496	51	94	—	1	—	1	2	10	—	—	—	—	Cloudy.		
13	69	85	62.9	58.1	68.7	57.8	1.9	3.2	507	389	89	80	W	6	WSW	4	10	10	1.20	3.5	39	Cloudy. ☉ p.			
14	86	83	59.1	58.3	64.3	54.9	2.5	0.6	423	468	85	96	—	2	—	2	10	10	0.55	7.2	55	☉ a. and n.			
15	75	47	65.1	62.6	68.2	50.7	2.9	2.8	516	473	83	84	ESE	5	SE	6	10	8	0.30	0.9	54	Overcast. ☉ p.			
16	57	69	59.8	53.0	67.9	52.8	5.0	1.3	367	366	71	91	SW	11	—	1	5	0	—	0.30	0.9	54	☉ a. and n.		
17	55	63	60.8	61.5	66.2	50.9	4.9	3.8	383	424	73	78	SW	6	S	9	10	10	0.50	2.3	45	☉ a. and n.			
18	55	75	62.9	55.1	65.9	54.8	3.5	3.1	456	348	79	80	SW	9	W	5	8	0	—	0.94	5.0	47	☉ a. and n.		
19	68	43	59.9	56.5	62.8	41.8	4.2	1.8	389	404	75	88	SSW	7	WSW	5	10	6	—	0.435	1.2	38	Cloudy and overcast.		
20	39	69	59.5	55.4	64.7	52.1	4.8	1.5	367	396	72	90	SW	18	—	2	5	0	—	0.250	8.5	48	☉ showers.		
21	56	34	55.8	60.2	71.0	53.2	1.7	3.6	396	410	89	79	E	8	SSW	12	9	9	—	0.060	4.9	50	Cloudy.		
22	61	80	56.6	56.5	64.2	56.1	1.6	2.4	411	387	89	85	W	6	—	3	10	6	—	1.4	5.5	48	Cloudy and overcast.		
23	87	80	55.8	54.4	61.7	44.0	3.2	1.8	358	373	80	88	WSW	6	—	0	9	10	—	0.50	2.8	40	☉ showers.		
24	65	59	59.3	56.2	64.8	53.8	4.4	1.1	374	419	74	93	W	6	—	0	5	100	—	0.26	5.9	53	☉ showers.		
25	61	65	59.4	52.7	63.9	50.8	3.8	1.4	392	359	78	90	WSW	5	—	1	7	4	0.70	6.7	51	☉ showers.			
26	63	33	57.4	60.4	62.8	49.7	2.6	2.2	395	453	84	87	—	—	2	SE	5	100	100	—	0.240	0.1	45	☉ showers.	
27	12	39	53.8	50.8	61.7	50.5	2.2	2.0	353	321	85	87	SW	20	WSW	15	100	100	—	0.25	2.2	50	☉ a. Cloudy.		
28	56	39	53.1	57.1	60.3	48.1	2.6	4.2	354	348	82	74	WSW	6	S	10	10	10	—	—	—	—	Overcast.		
29	24	22	58.6	53.4	64.3	51.9	4.7	1.6	358	364	73	90	—	—	3	—	1	6	10	—	0.25	2.2	50	☉ showers.	
30	17	36	55.3	52.8	60.9	46.5	1.8	1.1	386	369	88	92	—	—	1	W	4	100	0	—	1.55	0.3	45	☉ showers.	
31	29.60	29.89	57.6	54.8	63.0	50.4	2.7	2.8	396	351	83	82	W	8	—	6	10	5	—	—	—	—	—	Cloudy.	
	30.02	30.13	58.6	56.0	66.2	53.2	2.8	2.1	407	388	83	86	SW	8	—	1	9	2	—	—	—	—	—	—	Cloudy.
M.	29.617	29.632	59.0	55.7	64.6	50.6	3.4	1.9	399	390	80	88	—	—	6	—	4	8.3	6.7	2.871	130	47.5	—	—	Cloudy.

## BIRR CASTLE, KING'S COUNTY, a.b.—AUGUST 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +0.21 in.

1	29.54	29.52	60.5	54.9	61.8	48.8	3.2	1.0	425	403	81	94	S	2	S	1	8	100	1.81	3.3	—	Cloudy. ☉ n.
2	42	40	54.7	54.1	56.7	50.4	1.4	1.0	388	390	91	93	NW	2	SW	2	10	100	2.50	—	—	Overcast, with ☉.
3	36	32	57.9	51.1	61.7	49.7	2.9	1.2	394	345	82	91	S	3	S	2	7	10	2.81	5.0	—	Cloudy, with ☉. K p.
4	27	47	56.7	54.9	66.2	47.8	2.0	1.0	401	403	87	94	S	1	W	2	8	10	0.30	6.1	—	Cloudy.
5	64	78	59.0	53.9	62.7	51.8	1.8	1.8	442	364	89	88	WNW	3	W	3	8	10	0.10	5.0	—	☉ showers.
6	79	78	56.7	60.7	63.3	47.1	1.8	1.4	406	484	88	92	SW	1	Calm	0	10	10	—	—	—	Overcast.
7	76	70	65.9	62.0	73.7	55.8	2.9	1.8	530	494	83	89	SSW	1	SW	1	6	10	0.29	7.3	—	Cloudy. ☉ showers n.
8	69	71	61.7	60.9	66.8	56.1	3.6	4.7	434	390	79	73	Calm	0	Calm	0	10	10	—	1.8	—	Cloudy and overcast.
9	75	86	60.0	58.0	70.7	55.5	1.2	1.2	479	445	93	92	SSE	1	NE	1	10	8	—	6.3	—	Cloudy.
10	93	87	64.0	62.9	73.8	45.8	4.2	3.0	455	472	76	82	Calm	0	S	1	2	10	—	9.5	—	Fine and warm.
11	79	68	60.9	63.7	66.7	53.3	2.7	1.1	446	551	84	94	S	2	Calm	0	10	100	2.27	0.6	—	Cloudy, with ☉.
12	70	83	60.1	59.7	66.7	58.9	1.1	2.6	483	430	93	85	SW	3	W	1	10	10	2.97	8.0	—	Cloudy and warm.
13	80	80	59.9	63.9	70.8	55.8	1.2	1.0	477	558	93	94	SW	2	S	1	10	10	0.11	1.4	—	Overcast. K p.
14	68	38	65.0	61.9	66.5	58.8	3.1	1.6	507	499	83	91	S	2	SE	3	10	100	1.026	—	—	☉ showers.
15	54	66	59.7	55.1	65.7	52.9	3.7	1.2	399	399	78	91	W	4	W	1	8	10	1.46	7.9	—	☉ showers.
16	60	53	58.9	60.9	65.5	50.7	1.8	1.0	440	501	89	94	S	2	S	4	10	100	0.64	0.4	—	☉ showers.
17	54	72	60.1	54.9	64.7	53.8	1.2	2.0	481	375	92	87	SW	3	W	2	10	10	0.03	3.0	—	Cloudy and warm.
18	37	42	58.7	57.0	64.6	47.8	1.7	0.9	437	89	94	S	4	SW	3	100	10	—	3.33	0.4	—	☉ showers.
19	42	64	58.9	56.5	62.7	52.8	1.7	1.2	443	421	89	92	SW	5	Calm	0	10	10	0.68	4.4	—	☉ showers.
20	51	26	61.8	59.5	66.7	53.0	2.1	2.6	482	427	87	84	SE	3	SW	5	10	100	1.35	4.6	—	Cloudy, with ☉.
21	63	80	58.0	54.7	63.0	53.2	1.0	1.5	451	385	93	90	W	3	NW	1	10	10	0.44	2.8	—	Cloudy.
22	85	75	57.8	56.0	61.8	46.8	2.8	1.7	395	412	82	89	SW	1	SW	1	10	10	0.10	3.1	—	☉ showers.
23	63	57	58.9	53.0	61.7	51.8	2.8	1.1	411	371	83	92	SW	1	Calm	0	8	10	0.31	7.3	—	☉ showers.
24	59	61	59.3	54.9	63.7	50.7	1.3	1.2	463	397	92	93	SW	1	SW	2	7	10	0.31	7.3	—	Overcast, with ☉.
25	57	22	55.9	60.1	63.7	50.8	1.0	0.8	419	403	94	96	SW	1	S	3	100	10	0.30	—	—	☉ showers.
26	17	47	55.0	52.9	59.8	51.8	1.8	3.6	381	368	88	77	W	5	W	5	10	10	1.81	0.8	—	☉ showers.
27	53	28	54.9	55.9	58.1	47.8	1.9	1.0	376	419	88	94	SW	4	S	3	10	100	2.12	—	—	☉ showers.
28	19	15	56.7	54.0	60.8	47.9	1.9	1.1	403	385	88	92	SW	2	SSW	2	10	10	1.04	4.0	—	☉ showers.
29	10	35	55.1	55.0	60.7	50.8	1.1	1.1	402	400	92	92	S	1	Calm	0	100	100	2.41	2.5	—	☉ showers.
30	62	29.50	58.1	55.5	62.0	53.8	2.6	1.5	406	397	83	90	W	4	W	2	10	10	0.26	3.3	—	Cloudy.
31	29.97	30.11	57.9	58.7	62.7	54.0	0.8	1.2	455	456	95	95	S	2	W	2	10	10	0.44	0.6	—	☉ showers.
M.	29.587	29.597	59.0	57.4	64.4	51.8	2.1	1.6	436	426	87	90		2.2		1.7	9.1	9.9	4.444	103	—	

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡					HOLYHEAD.†§						
Height of Cops above—Roof 8 ft., Ground 30 ft.,† M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.					Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
1	—	0	—	0	10, 7	24					18, 7	15, 7	3, 11	4, 18	—	24
2	8, 13	13, 10	15, 16	21	18, 7	32, 4	2, 11	8, 9	—	15	18, 7	15, 7	3, 11	4, 18	—	24
3	20, 5	14, 6	16, 12	8	10, 13	12, 20	15, 14	15, 17	—	37	7, 18	8, 15	22, 17	22, 23	—	34
4	14, 12	—	2	12, 14	20, 16	19, *	20, 6	12, 8	—	37	19, 13	18, 18	17, 13	17, 12	—	28
5	25, 10	25, 11	26, 13	14, 16	13, 14	15, 13	20, 5	3, 5	—	23	14, 18	15, 18	17, 11	17, 6	—	33
6	24, 13	23, 6	24, 15	9	26, 13	26, 18	25, 18	26, 17	—	31†	29, 6	28, 8	24, 18	24, 13	—	23
7	24, 5	—	0	24, 8	25, 23	24, 22	24, 21	24, 21	—	29	23, 10	24, 4	—	2	—	14
8	—	3, 5	4, 6, 8, 5, 4	14, 15, 16, 18	25, 15	25, 16	26, 10	30, 7	—	24	23, 10	24, 4	—	2	—	14
9	5, 7	4, 7	5, 10	16	9, 5	8, 7	8, 8	8, 9	—	16	22, 5	25, 4	28, 4	31, 4	—	11
10	7, 4	—	2	3, 5	3, 5	6, 10	6, 14	5, 10	—	22	6, 13	1, 11	2, 12	4, 10	—	24
11	17, 11	22, 4	18, 13	14	3, 9	29, 17	30, 7	9, 6	—	21	4, 8	32, 11	—	3	—	17
12	23, 10	23, 10	23, 12	16	14, 11	16, 13	26, 8	16, 6	—	20	17, 12	18, 12	18, 15	15, 16	—	31
13	24, 5	—	2	24, 7	17, 10	24, *	23, 22	24, 19	—	30	21, 12	21, 12	22, 15	23, 21	—	28
14	—	3, 12	7, 14	16	24, 8	24, 8	32, 4	14, 7	—	22	—	2, 27, 5	—	2, 17, 9	—	22
15	23, 12	22, 10	22, 13	10, 12	11, 10	13, 10	12, 14	11, 10	—	25	16, 6	13, 11	14, 10	9, 15	—	22
16	23, 8	—	3	20, 23, 21, 9	23, 23	22, 21	19, 16	9	—	31	20, 19	18, 18	19, 19	19, 17	—	34
17	22, 13	23, 9	17, 17	9	21, 11	22, 10	18, 6	16, 10	—	29	18, 15	17, 15	17, 15	16, 13	—	35
18	21, 10	19, 9	19, 12	21	16, 19	21, 21	23, 21	22, 22	—	35	18, 23	18, 20	19, 10	20, 10	—	39
19	22, 22	22, 18	22, 22	13, 15	20, 14	20, 20	16, 14	16, 15	—	27	19, 15	17, 19	16, 22	18, 18	—	41
20	14, 4	20, 12	16, 20, 12	16, 17, 18	22, 36	21, 43	22, 30	23, 30	—	57	20, 24	21, 21	21, 18	22, 18	—	42
21	23, 9	23, 8	18, 16	2, 3	14, 9	12, 16	18, 22	17, 16	—	38	14, 14	16, 15	17, 22	17, 23	—	44
22	—	2, 25	4, 25, 11	16	24, 26	24, 23	24, 24	31, 11	—	48	24, 19	24, 21	24, 15	26, 8	—	47
23	14, 5	—	15, 7	15	12, 8	26, 22	25, 17	24, 14	—	26	28, 18	28, 10	20, 8	20, 9	—	24
24	26, 7	24, 10	26, 11	14	—	27, 19	24, 17	23, 17	—	23	16, 12	* 12	—	3, 11, 7	—	24
25	15, 7	—	2, 15, 12	24	12, 13	13, 14	25, 4	11, 5	—	22	31, 8	26, 10	20, 12	20, 11	—	122
26	19, 13	20, 19	20, 22	22, 24	15, 8	14, 10	12, 14	15, 13	—	21	17, 9	13, 9	17, 12	16, 15	—	34
27	22, 17	21, 4	22, 21	2, 6	19, 23	19, 25	21, 42	21, 40	—	65	19, 26	20, 28	22, 37	23, 41	—	66
28	12, 15	—	2, 12, 14, 15	10, 13, 14	24, 38	23, 30	20, 12	16, 14	—	65	23, 29	20, 17	18, 19	16, 16	—	60
29	13, 11	—	3, 14, 14	10, 11	12, 19	14, 21	12, 11	8, 4	—	38	16, 11	16, 12	14, 9	13, 5	—	47
30	23, 12	23, 10	23, 24, 12	13, 15	13, 17	13, 18	15, 8	14, 9	—	28	15, 16	17, 12	17, 12	19, 8	—	28
31	22, 6	22, 5	24, 10	9	21, 20	24, 26	24, 25	24, 25	—	33	22, 20	25, 22	23, 21	24, 21	—	34
					24, 19	23, 19	22, 18	27, 15	—	33	21, 14	20, 13	21, 8	—	3	30

GLASGOW.†						KINGSTOWN.†						ROCHES POINT.‡						
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.						Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.		9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
D. V.	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	Hour.		D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
1	20, 6	23, 5	20, 6	13		14, 8	13, 12	8, 4	3, 15		23, 22, 27	18, 21						
2	6, 16	6, 12	6, 16	13		1, 4	31, 11	23, 27	22, 27		20, 16	1						
3	19, 10	15, 10	6, 12	1		19, 10	19, 7	16, 10	15, 4		22, 11	23						
4	15, 4	14, 4	14, 8	19		28, 9	9, 4	9, 4	—		24, 21	13, 24						
5	26, 9	25, 12	25, 14	17		23, 18	24, 21	24, 15	23, 14		23, 19	3, 15, 16						
6	25, 10	26, 6	25, 12, 8	8, 9, 10		24, 12	24, 6	23, 14	24, 7		11, 12	19						
7	8, 5	8, 4	6, 8	10		26, 4	10, 5	11, 10	12, 4		*	*						
8	8, 5	7, 4	7, 10	23		7, 4	*	9, 4	—		*	*						
9	7, 7	7, 7	7, 10	1, 2		7, 6	*	3, 8	—		*	*						
10	9, 4	20, 4	7, 8	22		—	1	—	3, 13, 7		13, 7	21						
11	18, 5	20, 6	18, 10	14		14, 11	15, 12	16, 15	15, 8		16, 21	17						
12	26, 7	26, 9	25, 24, 10	15, 16, 22		24, 21	23, 32	24, 19	22, 20		23, 32	13						
13	25, 7	22, 6	24, 9	1		15, 5	13, 12	13, 10	12, 8		13, 14, 13	14, 16, 20						
14	8, 4	7, 8	7, 12	23		14, 11	12, 13	12, 12	13, 11		15, 15	23						
15	21, 13	21, 8	20, 21, 13	13, 14, 15, 17		21, 22	22, 20	22, 8	19, 12		20, 24	10						
16	20, 14	24, 11	23, 17	15		16, 10	17, 15	15, 12	16, 18		16, 23	22						
17	20, 7	16, 10	18, 12	19		20, 18	23, 27	23, 19	17, 4		22, 29	24						
18	23, 15	24, 11	23, 15	13		14, 15	16, 23	17, 15	21, 17		16, 23	13						
19	16, 4	7, 9	7, 10	19		20, 26	21, 29	23, 15	24, 18		21, 36	11						
20	—	1	2	19, 31, 3, 2, 4		13, 18	16, 12	14, 7	15, 11		18, 21	23						
21	—	3, 27, 4	23, 7	19		23, 19	24, 22	26, 12	25, 15		22, 26	3						
22	9, 0	7, 7	11, 9	15		24, 11	24, 9	12, 9	—		24, 15	3, 4						
23	18, 4	—	3, 31, 8	15		24, 10	12, 7	15, 4	25, 7		12, 10	12						
24	7, 7	12, 4	8, 12	22		24, 11	15, 7	11, 15	21, 1		23, 15	8						
25	13, 8	11, 6	12, 11	8, 15		17, 20	21, 37	22, 46	22, 43		22, 46	18, 19, 23						
26	24, 19	21, 10	24, 19	13		21, 18	20, 13	15, 12	16, 10		22, 39	1						
27	14, 8	19, 6	10, 11	7		15, 9	14, 13	17, 12	15, 7		13, 16	11						
28	19, 7	14, 4	24, 10	5		13, 7	13, 8	23, 12	23, 18		23, 19	22						
29	24, 12	24, 15	24, 17	17		23, 25	23, 26	24, 21	22, 20		23, 26	15						
30	25, 10	28, 5	24, 15	1		22, 10	24, 13	28, 7	26, 8		22, 20	3						

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^3$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

§ Dines Pressure Tube Anemometer.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

[Price One Shilling and Sixpence.]

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNES, ORKNEY, a.b.—SEPTEMBER 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.36 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.
------	--	--	------------------	--	--	--	-----------	--	--	---	--	---------------------------	--	--------------------------------

TILLYPRONIE, ABERDEENSHIRE.—SEPTEMBER 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Glass.	Remarks.
							Dep. of Wet.		Vapour Pressure.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	Max.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°	
1	28.87	28.86	53.6	50.8	60.0	41.0	1.6	1.6	.366	.330	89	88	NW	2	NW	2	9	5	41	Dull. T
2	28.79	28.73	48.0	50.0	62.5	42.0	0.6	3.8	.319	.269	96	75	S	3	NW	6	10	7	08	Dull.
3	28.78	28.90	51.5	48.4	56.0	45.0	2.6	6.8	.315	.197	82	58	NW	6	SW	8	6	7	02	Sunshine.
4	29.02	29.11	49.5	47.2	58.5	45.5	1.9	1.4	.306	.291	87	91	N	6	N	2	2	7	00	Sunshine.
5	28.08	28.04	50.3	52.2	63.2	38.5	1.8	1.5	.319	.350	88	90	NW	2	NW	4	3	8	—	Fine.
6	28.06	28.13	52.5	48.2	54.8	47.0	1.9	2.4	.344	.279	87	84	N	4	NW	2	9	8	01	Dull.
7	28.14	28.14	49.2	43.0	50.0	41.8	1.9	3.0	.303	.215	87	78	NW	4	N	2	8	0	—	Dull a. Fine p. ∞
8	28.10	28.01	52.0	48.8	61.0	37.2	3.1	0.9	.308	.323	79	93	N	2	N	2	0	0	—	Sunshine. ∞
9	29.01	29.03	53.8	56.0	63.7	43.0	3.6	2.0	.317	.391	76	87	N	2	N	2	4	8	—	Fine.
10	28.98	28.93	57.0	52.0	60.5	50.0	3.9	0.5	.354	.375	76	97	N	2	NW	2	3	9	07	Fine.
11	29.04	29.11	53.2	48.2	56.9	47.0	1.2	0.6	.371	.323	92	96	NW	5	NW	4	10	0	04	Sunshine. ∞
12	28.04	28.99	46.0	46.0	55.3	41.2	0.5	1.0	.299	.287	97	93	N	2	NW	2	9	8	—	Dull.
13	28.01	28.11	49.5	44.0	57.0	41.0	1.5	1.1	.315	.263	89	91	N	4	NW	4	9	8	02	Dull. ∞
14	28.16	28.12	46.5	44.2	57.6	42.0	2.7	1.2	.255	.263	82	91	N	4	NE	2	6	0	—	∞ <sup>9</sup>
15	28.12	28.18	53.5	50.3	61.5	37.0	2.0	1.5	.354	.326	87	90	NE	2	NE	2	4	0	—	Sunshine. ∞
16	28.23	28.21	55.3	51.6	66.3	42.0	3.9	1.6	.333	.340	75	89	N	3	N	2	4	0	—	Sunshine. ∞
17	28.33	28.17	52.0	50.2	60.2	40.0	1.6	1.2	.345	.332	89	92	NW	3	N	2	8	0	—	Dull.
18	28.07	28.86	49.0	49.0	58.5	40.5	4.3	5.0	.258	.235	72	67	SW	4	SW	3	6	5	03	Sunshine. ∞
19	28.82	28.99	46.9	39.0	50.2	37.5	3.3	1.8	.247	.203	78	86	NW	5	N	4	5	4	11	Sunshine.
20	28.07	28.05	42.8	47.5	50.0	34.8	2.8	3.3	.217	.252	79	77	NW	7	NW	5	8	7	—	Dull.
21	28.12	28.13	52.8	49.8	57.6	42.0	5.3	3.4	.270	.276	68	78	NW	5	NW	6	2	0	—	Sunshine.
22	29.07	29.00	52.3	51.0	50.5	42.2	3.3	3.5	.307	.288	78	77	W	2	W	2	6	8	—	Fine.
23	28.88	28.81	54.5	54.5	61.8	49.5	4.3	4.5	.311	.306	73	72	W	8	W	5	7	7	—	Sunshine.
24	28.83	29.01	54.2	44.2	57.3	42.5	4.2	1.6	.308	.255	73	88	NW	5	NW	4	6	8	—	Sunshine.
25	28.96	28.91	50.0	49.2	59.5	41.8	1.9	2.2	.312	.296	87	85	W	4	S	2	8	7	—	Fine.
26	28.91	28.68	50.0	50.8	51.6	48.2	0.2	0.6	.356	.357	99	95	S	4	SE	5	10	9	—	Dull. ∞
27	28.76	28.80	50.0	54.5	62.4	42.3	1.2	2.2	.329	.362	92	85	SE	2	SE	2	0	5	—	Sunshine.
28	28.68	28.55	53.0	54.7	62.3	47.5	2.2	1.7	.342	.379	85	89	SE	4	SE	2	8	9	02	Dull.
29	28.52	28.54	52.0	46.6	57.5	45.0	2.9	2.5	.313	.260	81	83	NW	2	W	4	8	3	01	Dull.
30	28.66	28.76	47.2	47.0	56.0	41.0	3.7	1.8	.241	.280	75	87	W	4	W	3	6	0	—	Sunshine.
M.	28.964	28.962	51.0	49.0	58.2	42.5	2.5	2.2	.311	.297	83	85	3.7	3.2	6.0	5.2	0.82	—	—	

DUNDEE, FORFARSHIRE, c.d.—SEPTEMBER 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

1	30°05	30°02	55°5	54°5	63°2	48°8	3°5	2°5	344	354	78	83	SW	1	W	1	10	10	26	—	—	Dull till 10a. • showers 6p
2	29°58	29°52	51°0	52°5	62°6	48°6	0°5	4°0	361	294	97	74	SW	1	W	5	10	10	18	—	—	• till 1p.
3	29°58	30°06	54°5	53°0	60°2	49°2	4°5	5°0	306	283	72	69	W	5	W	3	5	5	—	—	—	Fine, then cloudy.
4	30°08	29°14	50°5	50°5	65°2	46°2	3°5	0°9	358	344	78	93	SW	1	SW	1	5	0	—	—	—	Fine.
5	15	09	52°2	49°5	61°0	48°0	1°7	1°0	345	328	89	93	SW	1	NW	1	10	0	06	—	—	Dull till noon.
6	12	17	54°5	52°5	60°0	48°9	1°3	1°2	387	358	91	92	SE	1	E	1	10	10	—	—	—	Dull and cloudy.
7	20	20	55°0	48°5	57°2	47°2	1°8	1°0	381	316	88	93	NE	1	NE	1	10	10	—	—	—	Dull and cloudy.
8	16	00	53°2	49°0	64°2	43°4	2°2	0°8	344	327	85	94	SW	1	N	1	5	0	—	—	—	Cloud and sunshine.
9	08	30°08	54°6	52°2	64°4	43°7	2°0	1°0	370	363	87	93	SW	1	NW	1	5	0	—	—	—	Cloudy.
10	05	29°09	56°0	54°5	62°2	50°5	2°0	0°5	391	410	87	96	W	1	SW	1	10	10	18	—	—	Dull. • from 3p.
11	08	30°15	57°0	52°6	61°9	49°5	1°3	0°6	425	380	91	96	SE	1	NW	1	10	10	01	—	—	Cloud and sunshine till 1 p.
12	10	05	48°5	49°6	55°2	47°0	0°9	1°0	319	330	93	93	SE	1	SE	1	10	10	—	—	—	Dull and cloudy.
13	08	15	52°5	49°2	59°4	48°4	2°0	1°2	341	319	87	92	SW	1	NE	1	10	10	—	—	—	Sunny 11a.-3p.
14	18	18	51°0	51°0	59°0	40°5	3°5	1°5	288	336	77	90	NE	1	NE	1	5	10	—	—	—	Cloud and sunshine.
15	22	25	51°0	46°0	60°2	45°5	2°8	0°5	304	299	81	97	NE	1	E	1	10	0	—	—	—	Dull till 11a., then fine.
16	28	29	49°0	51°2	62°8	41°4	0°5	1°0	335	350	97	93	SE	1	NW	1	10	10	—	—	—	≡ till 10a. Fine till 5p.
17	34	30°14	52°5	49°5	62°3	44°5	1°0	0°5	368	341	93	96	SW	1	NE	1	5	10	—	—	—	Dull till 5p., then ≡.
18	30°12	29°52	51°5	48°8	57°0	45°2	1°3	1°8	346	300	90	87	SW	1	SW	3	10	5	01	—	—	Dull and cloudy.
19	29°00	30°05	49°9	43°8	56°0	42°9	1°9	3°3	310	217	87	75	NW	3	NW	5	5	10	—	—	—	Fine till 7p.
20	30°14	10	46°5	49°5	53°6	37°0	3°0	3°0	240	281	80	86	N	1	NW	1	5	10	—	—	—	Sunny 11a.-5p.
21	19	18	49°8	51°5	63°6	41°0	2°8	3°0	288	305	81	80	NW	1	NW	1	5	0	—	—	—	Fine from 10a.
22	13	30°11	53°9	52°5	62°2	43°5	3°0	2°3	334	333	80	84	SW	3	SW	3	5	10	—	—	—	Cloud and sunshine till 3p.
23	30°00	29°50	55°7	54°9	62°0	52°0	3°2	3°9	356	326	80	75	SW	3	SW	5	10	10	—	—	—	Dull and cloudy.
24	29°58</																					

† Beaufort Scale (0-12).

GLASGOW, LANARKSHIRE, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar, 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long.  $4^{\circ} 18' W.$  Lat.  $55^{\circ} 53' N.$  Gravity Correction,  $+0.29$  in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).				Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.	
							Dep. of Wet.		Vapour Pressure.		Percentage.												
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							9 a.m.
1	ins.	ins.	54.2	54.6	58.5	47.9	2.4	2.4	.353	.359	84	84	W	5	W	4	9	8	ins.	hrs.	38	Dull and cloudy.	
2	30.04	30.01	54.2	54.6	58.5	47.9	2.4	2.4	.353	.359	84	84	W	5	W	4	9	8	340	2.4	30	Dull and cloudy.	
3	29.86	29.89	55.6	52.8	60.4	51.4	0.6	3.8	.425	.301	96	75	SW	12	W	10	100	7	182	3.0	44	6 a.-1 p. Squally afternoon.	
4	29.96	30.00	54.5	51.2	58.9	51.2	4.8	2.8	.299	.307	71	81	W	10	NW	8	9	1	—	7.5	46	Cloudy till 2 p.	
5	30.06	30.10	56.9	52.5	66.4	47.9	6.3	2.0	.297	.341	64	87	NW	4	E	6	200	200	11.1	38	Fine and clear.		
6	11	105	50.5	55.2	63.7	46.1	1.4	2.4	.331	.368	90	85	1	1	2	900	10	145	2.1	38	Overcast from 3 p.		
7	08	105	53.9	53.9	57.2	52.2	1.4	0.9	.376	.389	91	94	NE	5	ENE	7	10	100	066	—	51	Overcast, with 6.	
8	17	106	53.2	52.9	59.1	51.5	1.9	2.8	.352	.326	87	82	1	1	3	1000	10	—	2.3	50	Dull and cloudy.		
9	03	108	49.0	50.7	61.3	43.9	2.0	1.6	.298	.329	86	89	2	2	3	800	3	—	4.9	37	Fine.		
10	17	30.08	52.9	54.6	63.5	47.5	1.3	2.0	.364	.370	91	87	2	2	3	900	4	—	5.6	38	Fine.		
11	04	29.96	55.9	53.9	59.3	51.4	1.6	0.6	.401	.399	90	96	1	1	3	1000	100	363	—	44	Overcast a. 6 from 1 p.		
12	06	30.10	56.5	55.7	61.4	53.5	1.8	2.0	.404	.388	88	87	E	7	E	6	10	10	—	4.4	48	6 early a. Dull till 11.30 a.	
13	00	30.10	56.5	55.7	61.4	53.5	1.8	2.0	.404	.388	88	87	E	7	E	6	10	10	—	1.5	51	Dull and cloudy.	
14	15	10	54.1	55.8	62.0	48.0	2.3	2.0	.339	.332	85	87	2	2	ENE	5	4	—	4	—	4.3	41	Cloudy.
15	20	15	53.2	49.8	58.0	49.5	4.9	2.4	.282	.298	70	84	E	5	E	4	10	8	—	7.0	44	Dull a., then fine.	
16	26	23	51.6	49.9	59.6	48.8	3.6	1.6	.292	.318	76	89	E	4	2	10	700	—	6.4	42	Overcast till 10 a., then fine.		
17	26	27	46.9	50.7	62.3	44.3	1.0	1.1	.298	.342	93	92	1	1	2	900	600	—	8.0	36	Fine.		
18	31	30.23	47.5	49.5	63.1	43.1	0.2	0.7	.324	.336	98	95	1	1	2	9	700	—	6.0	37	Fine.		
19	30.10	29.91	52.4	51.9	56.8	49.5	1.6	2.7</															

† ESKDALEMUIR, DUMFRIESSHIRE.—SEPTEMBER 1910.

Height above Mean Sea Level, 799 feet. Heights above Ground:—Bar, —21 feet. Therms., 4 feet. Rain-gauge, 11 inches.  
Long. 3° 12' W. Lat. 55° 19' N. Gravity Correction, +.025 in.

29° 42'	29° 39'	54° 5'	52° 8'	60° 0'	40° 2'	3° 2'	1° 6'	337	355	80	88	SW	14	SW	8	6	8	09	5'4	—	Fine a. ● evening.	
29° 26'	27	54° 2'	49° 0'	60° 2'	46° 0'	0° 2'	2° 8'	415	280	99	80	S	19	NW	16	10●	1	20	2° 0'	—	Cloudy till 3p.	
28	28	35	55° 0'	47° 0'	58° 2'	46° 1'	5° 0'	18	302	280	70	87	NW	35	NW	10	6	0	—	11° 6'	—	Fine.
4	42	48	58° 0'	48° 0'	62° 9'	47° 6'	1° 0'	300	309	62	93	NE	6	N	5	4	2	—	—	11° 5'	—	Very fine.
5	44	54	54° 6'	48° 3'	65° 1'	45° 4'	4° 5'	0° 5'	307	326	73	97	NE	4	N	1	6	3	06	9° 9'	—	Very fine. ☁ <sup>2</sup>
6	44	51	53° 8'	50° 3'	57° 5'	42° 2'	2° 5'	1° 1'	345	336	83	92	NNE	13	NE	6	10	10	—	—	—	● shower 7a. Overcast.
7	49	51	52° 0'	49° 5'	53° 8'	39° 4'	3° 7'	0° 5'	294	241	76	96	NE	9	N	2	10	0	—	0° 2'	—	Cloudy.
8	43	46	53° 0'	47° 8'	55° 8'	39° 0'	4° 0'	0° 9'	299	310	74	93	—	1	—	0	10	2	—	—	—	Overcast.
9	41	45	54° 9'	44° 3'	62° 2'	34° 3'	2° 5'	0° 3'	360	284	84	98	—	2	—	0	3∞	0	—	3° 7'	—	Fine.
10	38	34	57° 8'	52° 5'	61° 6'	40° 0'	4° 5'	0° 0'	352	396	74	100	W	9	WSW	4	10	10●	10	0° 3'	—	Cloudy.
11	41	45	57° 1'	50° 2'	60° 6'	47° 2'	2° 2'	0° 7'	401	346	85	96	NE	14	NE	10	9	4	—	2° 4'	—	Dull day.
12	40	37	52° 0'	49° 1'	55° 2'	46° 0'	3° 7'	1° 1'	294	320	76	92	—	1	N	4	9	10	—	1° 1'	—	T noon. Cloudy.
13	48	48	56° 50'	50° 0'	58° 9'	45° 5'	5° 0'	1° 2'	317	329	70	92	—	3	NW	6	7	9	—	4° 7'	—	Fine.
14	54	49	49° 6'	46° 0'	51° 3'	41° 3'	3° 8'	2° 0'	265	265	75	86	NE	15	NE	17	9	9	—	1° 5'	—	Cloudy.
15	52	60	49° 0'	37° 9'	54° 5'	36° 1'	2° 4'	0° 7'	289	213	83	94	NE	12	—	2	9	0	—	6° 3'	—	☁ <sup>2</sup>
16	67	63	44° 9'	45° 8'	62° 4'	27° 0'	0° 3'	0° 8'	290	289	97	94	—	3	—	1	0	1	—	8° 0'	—	Fine.
17	47	31	59° 2'	45° 0'	64° 0'	36° 0'	5° 1'	0° 0'	355	299	71	100	—	3	—	0	1∞	0	—	10° 4'	—	Very fine.
18	24	40	50° 2'	48° 2'	54° 3'	40° 0'	0° 8'	2° 3'	343	281	95	84	SW	10	SW	8	10	10	01	—	—	Dull day.
19	48	49	50° 6'	38° 7'	54° 3'	38° 2'	4° 5'	1° 2'	261	212	71	90	N	11	NNW	5	6	5∞ <sup>2</sup>	—	9° 8'	—	Fine. Double ☁.
20	53	51	47° 3'	44° 2'	52° 2'	32° 6'	5° 2'	2° 9'	210	228	65	78	NE	11	—	1	6	10	—	9° 8'	—	Partial ☁ noon-2p.
21	55	51	51° 1'	41° 4'	62° 4'	33° 6'	5° 2'	0° 1'	299	259	70	99	—	0	—	2	2	0∞ <sup>2</sup>	—	9° 8'	—	Fine.
22	46	35	52° 0'	49° 5'	57° 1'	33° 6'	4° 8'	1° 7'	270	311	70	89	NW	13	W	22	8	10	—	3° 7'	—	Cloudy.
23	31	40	52° 2'	51° 9'	55° 2'	48° 3'	2° 5'	3														

\* Miles per hour.

‡ The Observations at Eskdalemuir were taken at 10 a.m. and 10 p.m., the Max. and Min. Thermometers being read and set at 10 p.m.

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—SEPTEMBER 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
			9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	ins.	hrs.	°	
1	29.90	ins.	56.5	53.4	62.5	43.0	4.5	1.2	333	374	72	91	W	3	W	3	4	4	ins.	8.2	37	Fine.	
2	78	69	54.5	51.2	60.4	48.4	0.5	2.4	410	316	96	84	SW	1	NW	4	100	2	31	1.0	44	Cloudy, with s. Fine n.	
3	72	77	57.3	51.3	61.8	46.3	5.4	4.1	323	278	69	73	NW	5	NNW	4	2	3	12.3	42	1	Fine.	
4	87	95	58.2	49.1	58.2	49.1	4.9	1.1	348	321	72	92	NNW	4	N	2	7	7	—	1.4	46	Dull.	
5	94	92	52.0	45.5	56.8	45.5	3.0	0.8	310	287	80	95	NNW	2	Calm	0	9	2	—	1.9	42	Dull. Clear n.	
6	92	98	53.9	51.6	57.0	43.2	2.9	1.6	335	340	81	89	NW	1	NNE	2	9	10	—	0.5	36	Dull.	
7	99	99	52.9	49.8	57.0	43.2	2.9	0.0	323	358	81	100	NNE	2	NNE	1	8	100	0.1	35	40	Cloudy.	
8	98	94	53.2	47.3	59.5	45.6	2.0	1.2	349	297	86	92	Calm	0	SE	1	9	2	—	40	41	Dull. Clear n.	
9	92	92	54.9	53.6	64.0	45.0	3.6	2.4	334	344	77	83	SE	1	S	1	8	9	—	5.7	39	Fine.	
10	88	83	56.9	53.7	62.5	50.4	4.0	0.0	351	414	75	100	W	1	SW	1	9	100	24	0.1	42	Overcast. s 5p.	
11	87	92	55.2	52.9	56.7	51.8	1.2	0.0	401	402	92	100	Calm	0	NE	2	10	10	0.3	48	9	Overcast. s 7p.	
12	91	86	50.6	44.8	53.6	43.0	2.3	1.7	311	257	84	87	N	1	Calm	0	9	3	—	2.8	40	Cloudy.	
13	88	93	51.1	50.4	57.8	41.3	3.1	0.4	298	356	79	97	N	2	NE	1	9	10	0.1	2.9	34	Cloudy.	
14	29.95	29.99	50.8	48.9	52.6	44.6	3.4	1.8	287	299	77	87	NE	2	NE	1	9	10	—	39	35	Overcast.	
15	30.03	30.08	50.6	49.1	53.3	47.8	3.4	1.8	285	304	77	87	NE	2	NW	1	9	10	—	44	36	Overcast.	
16	10	10	51.0	47.2	60.2	45.3	3.6	1.1	285	298	76	93	W	2	W	1	3	3	—	33	37	Fine and bright.	
17	30.19	30.06	58.0	53.4	61.0	44.2	3.0	2.2	391	347	81	85	W	1	SE	3	3	4	—	34	38	Fine and bright.	
18	29.99	29.82	57.3	52.2	59.0	43.2	2.9	1.8	385	342	81	88	SW	3	SW	4	9	10	1.1	35	39	Dull day.	
19	68	83	49.2	45.2	55.2	43.5	0.8	0.7	329	285	95	95	NNW	4	NNW	3	8	4	0.5	63	36	showers a., then fine.	
20	29.92	29.95	46.4	44.6	52.3	36.7	3.3	2.8	242	234	78	80	NNW	4	N	1	7	8	—	36	41	Fine.	
21	30.01	30.04	51.4	45.6	58.9	42.7	3.7	1.4	288	274	76	90	NW	1	NW	1	7	3	—	32	42	Fine.	
22	29.02	29.97	50.0	49.8	61.2	38.4	2.2	2.8	304	288	85	81	W	2	WSW	2	5	10	—	35	43	Fine.	
23	29.91	80	56.0	52.7	56.9	46.8	3.9	2.8	343	325	76	81	N	3	WNW	6	7	8	—	2.3	38	Cloudy.	
24	74	91	55.5	50.0	63.3	47.8	2.2	1.0	378	334	86	93	W	5	Calm	0	9	10	—	36	45	Fine.	
25	89	80	53.5	51.8	60.0	47.4	1.3	0.5	373	372	90	96	Calm	0	Calm	0	10	7	—	41	46	Dull.	
26	67	51	53.8	53.7	56.0	50.8	0.8	0.1	391	410	94	99	SSE	1	SE	1	9	100	18	—	44	Dull.	
27	69	74	57.2	51.2	62.3	48.3	2.2	1.2	403	345	86	92	W	3	NW	1	5	3	—	44	48	Fine.	
28	63	42	56.0	51.1	66.0	44.9	1.0	0.2	419	370	93	88	SSE	1	WSW	1	9	4	0.5	1.8	36	Dull, with s showers.	
29	43	48	59.1	49.6	63.3	48.4	2.3	1.6	429	314	86	89	Calm	0	WSW	1	5	1	0.1	4.2	41	Fine.	
30	29.60	29.73	45.4	47.8	58.3	38.3	1.3	2.8	273	265	91	80	SSW	1	NW	1	4	4	—	8.0	29	Fine.	
M.	29.866	29.861	53.6	50.0	58.8	45.2	2.7	1.5	341	325	82	90		1.9	1.7	7.4	6.2	0.90	120	38.4			

## DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29.97	29.96	59.0	55.8	62.2	46.3	3.9	0.0	383	446	77	100	W	1	WNW	1	8	100	0.50	5.9	43	Cloudy till 3p., then overcast.
2	87	84	57.0	53.0	59.8	52.2	1.4	3.8	422	304	91	75	SW	3	WNW	6	9	1	1.30	0.1	55	Overcast, with s.
3	90	29.94	55.0	52.0	58.0	49.9	3.5	3.0	337	310	78	80	NW	6	WNW	4	4	0	10.5	48	Fine and squally.	
4	29.97	30.00	56.2	51.0	62.0	50.6	4.2	1.5	337	336	74	90	NNW	3	WNW	1	2	0.0	11.5	48	Very fine.	
5	30.00	29.96	59.5	55.0	62.0	46.1	4.2	1.7	382	383	75	89	ENE	1	Calm	0	2	6.0	10.7	42	a. a. Very fine.	
6	29.97	30.03	58.1	57.0	61.4	53.1	2.0	2.4	423	394	87	85	NW	1	ENE	3	10	10	1.7	51	42	a. a. Dull and gloomy.
7	30.05	30.03	56.0	53.0	59.0	52.6	2.9	3.5	368	311	82	77	NE	1	NE	3	9	0	4.1	52	43	Dull a. Fine afternoon.
8	30.02	30.01	57.7	48.3	60.0	43.5	4.1	0.8	361	319	76	95	SE	2	ENE	1	4	0.0	10.7	40	44	a. a. Very fine.
9	29.99	30.01	58.9	52.0	63.0	45.5	4.4	2.0	368	335	74	86	NNW	1	NW	1	6	0.0	9.7	42	45	a. a. Very fine.
10	97	29.90	58.8	54.6	61.7	50.7	2.8	0.6	410	409	83	96	NNW	1	WNW	1	9	10	0.95	48	46	Dull. showers after 5p.
11	92	96	57.4	55.1	62.9	53.6	1.5	1.8	426	382	90	88	SSE	1	NE	3	9	0.0	6.1	53	47	Fine.
12	96	91	56.5	53.5	60.5	48.5	2.2	0.5	392	395	86	96	NE	2	NW	3	10	10	2.0	45	48	a. a. and p. Dull.
13	94	98	56.5	52.5	59.5	50.0	3.8	3.3	351	309	76	78	N	2	NE	1	6	1	8.7	49	49	Fine.
14	29.99	29.97	52.7	51.0	56.7	49.0	3.4	1.8	310	328	78	87	ENE	2	SSW	3	9	2	8.1	48	50	Fine.
15	30.05	30.10	54.3	51.5	56.5	47.9	3.4	1.5	330	341	78	89	NE	2	NNW	1	2	1.0	8.9	45	51	a. a. Fine.
16	15	15	55.0	49.9	58.3	47.0	3.2	1.2	344	328	80	92	ENE	1	NE	1	3	0.0	9.5	44	52	a. a. Fine.
17	20	30.13	58.3	52.5	60.3	44.3	3.9	1.2	373	362	76	91	ESE	1	ENE	1	7	0.0	7.5	40	53	a. a. Fine.
18	30.04	29.88	54.0	52.0	56.5	48.0	1.4	2.4	377	325	90	84	NW	1	WNW	1	9	10	—	44	54	a. a. Overcast.
19	29.81	29.94	53.0	48.1	55.2	47.9	4.0	2.8	299	269	74	80	NW	4	N	2	4	6	9.7	46	55	Very fine.
20	30.03	30.06	48.4	48.3	53.6	43.4	4.6	2.9	236	270	70	80	NE	1	NNW	1	8	8	6.1	38	56	a. a. Fine.
21	11	13	53.6	51.1	57.8	47.8	3.8	2.1	310	322	76	85	NNW	2	NW	3	9	1.0	8.1	42	57	Very fine.
22	15	30.14	54.0	51.1	57.4	49.7	4.0	2.3	310	317	74	84	NNW	2	W	1	3	7.0	7.6	46	58	a. a. Very fine. Cloudy
23	30.09	29.99	53.4	54.0	57.0	50.0	2.6	2.0	337	360	83	86	NNW	4	W	3	8	9	0.6	48	59	Dull and gloomy.
24	29.95	29.96	55.4	56.4	60.3	50.0	2.0	2.4	382	385	87	85	W	4	NW	1	9	0	0.16	43	60	Dull and squally.
25	93	77	55.0	56.4	57.3	52.3	0.2	0.8	427	431	99	95	S	1	ESE	3	100	100	0.25	50	61	Drizzling showers.
26	59	53	55.7	55.4	58.6	55.0	1.6	0.0	398	439	90	100	SE	4	NW	1	100	8	3.74	0.5	54	Dull a. 4p.-8.30p.
27	80	80	56.2	54.8	60.0	51.5	1.4	0.8	410	406	91	94	W	1	S	1	8	3.0	0.40	4.6	59	Fine, but cloudy.
28	67	54	55.3	56.7	59.7	52.8	1.4	0.2	397	454	90	99	S	1	SW	1	90	10	1.84	—	47	7a.-1.30p. 3p.-5p.
29	52	63	58.1	49.8	58.8	49.5	1.3	0.7	444	339	91	95	WSW	3	WNW	1	9	2.0	2.0	54	54	Dull a. Fine afternoon.
30	29.74	29.77	53.0	52.0	59.0	44.0	3.3	3.3	315	303	78	78	W	2	SSE	1	6	0.0	—	8.5	40	a. a. Very fine.
M.	29.944	29.933	55.7	52.8	59.2	49.1	2.9	1.8	365	354	82	88	—	2.0	1.8	7.0	4.5	0.914	165	466	—	—

## SHREWSBURY, SHROPSHIRE.—SEPTEMBER 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.	Vapour Pressure.	Percentage.													
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	60.9	57.8	67.9	53.0	6.7	1.3	340	440	63	92	WSW	3	NNW	1	8	ins.	hrs.	51	Fine.	
2	30.00	29.92	62.1	60.5	68.9	56.9	2.9	1.8	461	468	82	89	NNW	3	NW	2	9	—	—	56	Fine.	
3	29.99	29.99	58.0	53.0	66.5	48.0	5.8	3.1	323	320	67	79	NNW	5	NNW	4	4	—	—	44	Fine and bright.	
4	30.01	30.05	55.7	52.0	63.5	51.4	5.0	2.0	313	335	70	86	NNW	3	Calm	0	7	—	—	47	Fine and bright.	
5	07	03	52.9	54.4	65.8	44.0	2.6	1.5	331	381	83	90	NW	1	NW	1	9	10	—	—	40	Fine, but cloudy.
6	02	06	52.3	55.1	62.2	48.0	2.1	2.3	336	369	85	85	NW	1	S	1	9	10	—	—	44	Cloudy a., then sunny.
7	10	07	55.5	54.1	62.8	52.9	3.6	2.2	344	356	77	84	NNW	1	NNW	1	10	10	—	—	52	Bright a., then cloudy.
8	08	06	53.6	49.1	62.9	46.3	2.3	0.1	347	347	84	99	NNW	1	NW	1	9	0	—	—	43	Cloudy a., then bright.
9	06	30.06	53.9	50.5	64.8	44.8	1.9	1.1	361	339	87	92	SW	1	SW	1	1	0	—	—	42	Fine.
10	30.07	29.99	55.0	57.1	66.3	43.0	2.3	1.4	367	424	85	90	NW	1	NW	1	8	10	—	—	42	Dull and close.
11	29.97	29.97	57.0	58.0	67.5	53.4	0.7	1.0	443	451	95	93	S	1	N	1	9	100	005	—	53	• n. and a. Overcast.
12	30.01	29.97	53.9	55.6	62.0	49.5	2.0	1.9	359	389	87	87	NW	2	NW	2	10	10	—	—	47	Dull.
13	29.98	30.02	59.0	52.0	61.0	51.8	3.0	1.0	365	361	81	93	NW	2	N	1	10	6	—	—	50	Fine.
14	30.00	29.97	55.5	50.4	59.0	45.0	4.5	0.4	321	356	72	97	NW	4	NW	2	3	100	34	—	42	Fine a. • from 2p.
15	05	30.14	54.9	53.0	56.9	49.9	1.8	1.9	379	350	89	87	NNW	2	NNW	1	10	10	—	—	51	Dull.
16	21	24	52.4	47.6	56.9	47.4	2.3	0.6	333	315	85	96	NNW	1	Calm	0	10	0	—	—	51	Dull. = 10p.
17	29	30.23	50.0	53.0	57.9	38.4	1.5	1.0	322	374	90	93	SE	1	SE	1	10	10	—	—	45	Cloudy.
18	30.13	29.95	54.9	54.0	60.0	48.6	2.1	1.0	372	388	87	93	NE	1	Calm	0	10	10	—	—	50	Dull a., then sunny.
19	29.87	29.95	52.1	46.0	57.9	46.0	1.8	1.0	342	287	87	93	NW	2	NW	1	10	10	—	—	34	—, Fine and bright.
20	30.06	30.11	48.4	41.7	55.1	36.4	4.3	1.3	242	237	72	90	NW	4	W	1	6	0	—	—	31	—, Fine and bright.
21	17	21	49.1	44.0	62.3	34.4	2.8	0.5	282	277	80	96	NW	2-3	NW	1	4	0	—	—	35	Dull a., then bright.
22	24	22	47.9	47.2	60.0	37.0	1.4	1.2	299	295	91	92	NW	2	NW	1	10	6	—	—	33	—, Fine and bright.
23	20	12	49.0	52.1	58.3	40.4	1.2	2.1	317	334	92	85	W	2	NW	3	8	10	—	—	33	Dull a., then bright.
24	06	30.05	59.0	54.0	67.0	52.0	5.6	1.9	340	363	68	87	NW	3	NW	1	3	10	—	—	35	Fine.
25	30.02	29.86	55.0	57.1	61.2	53.2	1.0	1.5	340	421	93	90	SE	1	NW	1	10	10	01	—	47	Bright and warm.
26	29.71	29.86	55.3	58.0	64.9	54.0	1.3	2.0	399	421	91	87	SSW	3	SSW	4	10	10	—	—	53	Dull.
27	92	92	59.5	49.8	70.5	49.3	4.5	0.8	374	337	73	94	NW	3	SW	1	4	0	—	—	52	Dull.
28	81	66	60.0	61.0	70.0	42.9	4.1	1.1	392	500	76	93	SSW	2	SW	1	3	30	06	—	47	Bright and warm.
29	64	69	57.8	56.0	65.8	50.8	1.6	1.0	430	419	89	93	SW	1	SW	1	10	10	01	—	38	Fine. • 3p.-9p.
30	29.85	29.88	55.0	48.0	64.5	47.9	3.9	0.7	327	317	76	95	WSW	1	SSE	1	4	0	—	—	48	Dull a., then bright.
																					45	Fine and bright.
M.	30.022	30.005	54.8	52.7	63.0	47.2	2.9	1.4	352	366	82	91	2.0	1.3	7.6	5.7	0.545	—	45.0			

## CAMBRIDGE, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.19 in.

1	30°22	30°22	58°0	52°0	67°0	49°0	5°0	0°5	342	375	71	97	NW	2	Calm	0	8	0	07	10°0	41	Sunny 7a.-6p.	
2	17	06	57°1	63°0	68°0	51°3	0°0	3°0	466	474	100	82	NW	1	SW	2	10.00	0	10	0	47	• 6a.-9a. Overcast.	
3	11	07	58°2	53°5	64°1	48°0	4°8	2°5	350	340	72	83	W	3	NW	3	0	0	—	11°0	40	Sunny 6a.-6p.	
4	08	15	56°5	55°0	59°2	48°0	3°6	3°0	356	349	77	81	W	4-5	NW	5	9	0	—	08	41	Overcast.	
5	16	16	54°8	54°9	59°0	51°0	2°2	3°7	368	331	86	76	WNW	4	N	2	10	10	—	—	48	Gloomy.	
6	15	19	55°0	53°0	60°0	51°9	4°2	1°8	320	352	74	87	NNW	2	Calm	0	10	10	—	—	49	Gloomy.	
7	20	19	54°9	53°9	57°0	50°0	1°9	0°9	376	383	88	94	NNW	3	NNW	3	10	10	100°	07	—	44	Gloomy.
8	19	21	59°7	52°2	62°0	52°0	4°7	1°0	372	303	72	93	N	4	N	2	7	0	—	—	3°3	51	Sunny a., then overcast.
9	21	23	52°9	45°0	61°2	43°0	2°2	0°9	341	277	86	93	N	2	Calm	0	10	0	—	—	3°4	55	Overcast a., then sunny.
10	22	13	54°3	54°2	65°0	35°7	2°8	1°2	344	385	81	92	Calm	0	Calm	0	0.00	10	0	02	53	30	Fine.
11	11	14	56°8	55°2	63°3	52°0	1°6	1°7	414	387	89	89	Calm	0	N	2	10.00	10	01	05	48	40	Overcast.
12	12	13	55°0	51°0	61°0	50°2	1°0	3°0	403	299	93	80	NNW	2	N	2	10.00	10	02	44	43	43	• till noon, then sunny.
13	14	12	54°2	53°0	62°4	43°0	5°2	3°5	286	311	68	77	NW	3	W	3	0	9	05	8°8	35	35	Sunny till 4p.
14	00	07	53°0	52°7	61°5	51°0	0°5	2°0	389	344	97	87	N	0	NE	3	10.00	5	26	3°8	48	48	• 5a.-11a. Sunny from 3p.
15	15	25	59°4	55°2	63°0	49°0	1°0	1°2	474	401	94	92	N	3	N	3-4	10.00	10	01	02	43	43	Overcast.
16	32	39	57°8	54°0	59°0	53°0	2°9	3°0	394	334	82	80	NNE	4	NE	2	10	10	—	—	50	48	Gloomy.
17	44	41	55°2	55°1	60°0	52°0	3°8	2°1	333	374	76	86	N	2	N	2	10.00	10	—	—	48	50	Gloomy.
18	31	13	57°0	50°7	62°0	49°2	2°3	0°7	397	352	85	95	ENE	3	Calm	0	9	10	—	0°3	52	52	Gloomy.
19	00	06	57°8	47°5	61°0	45°2	3°6	1°7	375	287	78	88	W	1	NNW	3	7	0	—	2°6	41	41	Sunny a. Overcast from 11a.
20	14	24	50°2	44°9	56°3	42°8	3°2	1°9	284	254	79	86	N	4	N	2	0.00	0	—	9°0	38	38	Fine. Brilliant moonlight.
21	31	34	51°5	50°2	60°9	35°9	5°5	1°0	250	337	66	93	NW	3	N	1	2.00	0	—	5°5	31	31	Sunny till noon.
22	37	33	53°4	52°6	63°0	40°0	2°4	2°6	342	327	84	82	Calm	0	W	3	1	10	—	7°8	34	34	Sunny 8.30a.-4.30p.
23	34	27	55°0	53°6	59°0	41°0	4°0	3°6	325	315	75	76	W	2	SW	1	8	10.00	—	4°8	32	32	Sunny a., then overcast.
24	21	19	59°0	55°9	66°2	51°9	6°0	2°0	330	391	66	87	W	3	Calm	0	7	0	—	7°3	50	50	Fine.
25	30.21	30.11	56°1	54°7	62°9	50°5	1°1	1°7	418	379	92	89	SE	1	SE	3	10	9	—	—	45	45	Overcast.
26	29.98	29.95	58°0	56°0	65°0	51°0	3°0	2°0	393	391	81	87	SE	2	S	2	9.00	0	—	1°5	44	44	Overcast.
27	30.09	30.11	60°2	50°2	70°0	50°0	4°2	0°3	393	356	75	98	WSW	3	Calm	0	5	0	—	9°5	45	45	Sunny 7.30a.-5p.
28	30.06	29.90	59°0	60°5	72°5	45°0	3°0	2°0	407	462	82	88	SE	2	Calm	0	0.00	2	—	9°6	38	38	Sunny 6.45a.-5p.
29	29.79	29.85	65°5	55°0	66°3	53°5	4°3	0°8	477	409	76	94	S	1	Calm	0	5	0	05	17	47	47	Fine a. Overcast. • noon.
30	29.99	30.08	57°0	47°0	66°0	47°0	3°0	0°2	377	318	81	99	W	1	NW	1	7	0	—	7°5	40	40	Sunny.
M.	30°158	30°156	56°4	53°1	62°8	47°8	3°1	1°9	370	355	81	88		2°4		1°7	6°8	5°5	1°16	119	42°6		

## SOUTHAMPTON, HAMPSHIRE, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +0.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.										Percentage.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.		
1	ins.	ins.	63.8	60.7	72.1	56.3	5.3	2.1	420	462	71	88	NW	3	2	2	5	ins	hrs.	52	Fine. Δ p.
2	30.24	30.22	63.8	60.7	71.9	54.2	5.4	2.1	420	462	71	88	NW	3	2	2	5	ins	hrs.	52	Fine. Δ p.
3	19	13	65.8	60.4	71.9	54.2	5.4	4.5	449	388	71	74	NW	2	4	1	1	6.0	50	50	Fine. Δ p.
4	15	11	60.0	57.5	69.6	55.1	7.0	4.8	321	339	62	72	NW	5	10	2	0	11.0	39	39	Fine.
5	13	16	58.0	55.0	65.4	47.2	6.1	4.0	316	325	66	75	NW	3	10	4	3	10.1	39	39	Fine.
6	19	17	55.0	54.0	62.3	48.0	4.7	3.5	309	322	72	77	NW	4	10	10	10	5.2	42	42	Dull till 11a., then fine.
7	15	17	55.5	55.3	58.6	51.8	5.4	3.7	300	337	68	77	NE	3	10	9	10	5.0	42	42	Dull.
8	19	17	56.8	56.9	64.6	52.6	3.5	3.9	362	352	78	76	NE	3	10	10	10	4.3	49	49	Dull a., then fine.
9	16	16	60.5	57.7	68.1	53.6	5.0	3.3	376	381	72	79	NE	4	10	4	4	9.0	51	51	Fine.
10	19	21	57.5	53.0	63.0	49.4	5.0	2.7	334	330	71	82	NE	3	10	4	4	7.1	42	42	Fine.
11	22	13	56.4	57.2	65.3	46.4	4.3	1.9	338	412	74	88	NE	3	10	10	10	1.1	38	38	Cloudy.
12	07	10	60.0	55.6	68.1	53.7	3.1	2.1	420	383	81	86	NE	4	10	0	0	3.0	51	51	Cloudy.
13	11	11	59.0	55.8	66.3	51.8	5.1	3.3	352	355	71	79	NE	4	10	3	3	7.9	46	46	Fine.
14	13	30.12	56.8	53.1	64.9	46.6	7.2	4.5	278	289	61	71	NE	3	10	1	0	0.08	95	95	Fine.
15	03	29.99	53.2	54.9	55.1	46.3	1.9	1.6	352	385	87	90	NE	4	10	4	10	120	—	38	● 8a.—11a. ● showers.
16	10	30.18	57.3	57.3	62.5	52.3	2.2	2.0	404	410	86	87	NE	3	10	4	10	0.04	—	48	Dull.
17	26	32	59.0	55.1	67.1	54.0	3.9	2.0	383	377	77	87	NE	4	10	8	4	7.5	53	53	Fine.
18	38	34	57.0	54.1	62.0	52.4	5.0	2.9	327	338	70	80	NE	3	10	4	4	0.2	49	49	Cloudy.
19	30.23	30.22	56.7	54.7	67.8	51.3	4.9	2.3	368	363	71	85	E	4	10	2	2	8.4	45	45	Fine. Δ p.
20	29.98	02	56.0	50.0	67.6	51.3	1.9	3.0	394	310	88	80	NE	2	10	8	8	4.1	45	45	Fine. Δ p.
21	30.13	22	52.3	47.5	59.0	42.9	5.2	3.4	265	250	68	77	NE	4	10	1	1	10.3	35	35	Fine. Δ p.
22	32	33	52.2	54.2	63.2	38.1	5.3	4.1	262	310	68	74	NW	3	10	8	8	10.0	28	28	Fine.
23	38	36	55.5	49.2	62.8	43.7	4.4	0.9	323	327	73	84	NE	2	10	1	1	9.4	34	34	Fine.
24	37	29	53.9	54.6	65.0	41.0	3.6	3.0	319	345	77	91	NW	2	10	10	10	8.0	30	30	Fine.
25	27	20	55.3	49.7	62.3	44.5	3.2	1.1	349	329	80	92	NW	2	10	0	0	1.4	37	37	Cloudy.
26	30.17	30.03	58.7	56.4	63.7	46.0	3.4	1.4	392	413	79	91	NE	2	10	5	5	3.8	38	38	Cloudy.
27	29.93	29.99	59.6	59.0	66.2	56.1	2.5	1.9	431	439	85	89	SE	4	10	10	10	3.5	53	53	Bright noon-4p.
28	30.13	30.11	61.3	54.1	70.2	50.1	4.7	1.1	396	437	73	92	W	2	10	1	1	10.2	41	41	Fine.
29	30.01	29.85	63.7	61.2	70.2	49.7	3.6	2.2	468	467	79	97	SE	4	10	0	0	8.1	41	41	Δ a. and p. Fine.
30	29.81	29.87	60.0	55.6	65.0	55.4	0.5	0.5	485	428	94	97	SW	3	10	0	0	0.08	0.1	49	● 10a.—11.30a. Dull.
30	29.99	30.06	53.5	55.0	67.6	51.1	0.4	1.2	399	397	97	92	NE	2	10	0	0	5.8	45	45	Fine.
M.	30.153	30.139	57.8	55.2	65.3	49.8	4.1	2.6	363	365	76	83		3.2	2.9	5.7	4.3	0.140	173	43.6	

## PLYMOUTH, DEVONSHIRE, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.015 in.

1	30°22	30°22	65°0	61°0	65°0	58°0	4°0	2°0	478	470	78	88	NW	6	NW	5	8	9	—	1°5	62	Cloudy.
2	19	17	61°0	59°0	67°0	56°8	2°0	2°0	470	436	88	88	NNW	7	NW	8	9	8	—	4°4	53	Sunny afternoon.
3	15	13	60°0	61°7	63°6	57°7	5°0	5°7	369	375	71	68	N	13	N	14	5	7	—	10°8	55	Fine and bright.
4	12	15	58°0	57°8	64°5	51°0	4°7	3°8	350	369	73	77	NNE	8	NE	5	1	1	—	11°1	45	Fine and bright.
5	17	15	59°0	56°7	64°0	48°1	4°0	2°7	380	381	70	83	—	0	—	3	0	3	—	10°1	44	Fine and bright.
6	10	12	61°0	55°0	64°0	49°2	3°2	1°3	433	395	82	91	—	0	—	0	8	7	—	6°4	46	Fine, but cloudy.
7	17	14	59°0	56°0	63°0	48°8	6°0	2°4	330	381	66	85	ENE	10	—	0	3	8	—	6°1	42	Fine.
8	14	13	59°0	55°0	64°4	53°4	6°0	3°0	330	349	66	81	NE	7	—	2	4	7	—	6°8	48	Fine.
9	14	18	59°0	55°0	63°7	49°7	3°0	1°8	407	381	82	88	—	2	—	1	8	5	—	3°0	44	Cloudy.
10	18	09	58°0	58°2	66°3	49°4	2°0	1°7	421	433	87	89	N	5	—	3	8	10	03	0°4	44	Dull.
11	04	04	60°0	61°0	65°8	54°9	2°6	3°0	435	439	85	82	—	0	N	7	10	8	—	3°1	53	Cloudy.
12	06	08	57°0	55°0	64°0	52°8	1°3	1°3	425	395	91	91	—	0	ENE	4	10	7	—	3°7	46	Overcast a., then fine.
13	09	30°10	59°0	55°0	64°0	49°9	2°8	1°5	413	389	83	90	N	9	N	11	7	5	—	6°1	46	Cloudy a., then sunny.
14	08	29°95	58°0	55°0	63°0	48°9	5°2	1°0	337	403	70	93	N	5	N	11	3	10	19	5°5	52	Fine a., then cloudy, with
15	05	30°13	57°0	58°0	64°4	52°4	3°0	0°2	377	476	81	99	NE	10	NE	10	10	7	—	0°7	52	Dull and gloomy.
16	21	26	57°0	55°0	63°0	54°2	3°0	1°2	377	397	81	92	ENE	11	—	3	5	10	—	4°6	51	Cloudy.
17	31	26	58°0	55°3	60°7	51°7	5°0	2°8	342	359	71	82	E	8	—	3	4	0	—	6°9	46	Fine.
18	30°14	30°01	60°0	57°0	63°1	52°9	6°0	3°0	344	377	66	81	E	14	E	9	5	7	—	11°0	44	Fine and bright.
19	29°96	29°99	60°0	54°0	63°2	49°8	4°0	3°0	395	334	76	80	N	4	NNE	7	2	6	—	4°9	41	Fine, but cloudy.
20	30°10	30°18	57°8	57°0	58°5	40°5	3°8	2°3	309	397	77	85	NE	14	NE	4	5	6	—	10°0	38	Fine and bright.
21	30	31	51°0	53°0	59°3	40°8	4°0	3°0	276	322	74	80	NE	4	NNE	8	10	5	—	8°9	33	Fine and bright.
22	34	35	55°0	55°0	64°0	44°9	2°3	6°5	367	270	85	63	—	2	N	7	10	7	—	8°6	48	Fine and bright.
23	33	31	56°3	51°7	61°8	44°1	3°4	3°1	359	305	78	80	N	5	N	5	2	8	—	9°9	49	Fine and bright.
24	26	30°19	56°0	54°0	62°2	51°7	3°0	5°0	365	288	81	69	—	0	—	2	10	6	—	0°7	49	Cloudy.
25	30°09	29°89	57°8	56°0	62°3	52°9	0°8	3°3	454	358	94	79	E	7	W	18	9	8	—	1°1	49	Cloudy.
26	29°81	29°96	59°0	58°0	61°3	54°6	1°2	1°2	461	445	93	92	S	25	WSW	11	10	8	—	0°4	48	Cloudy and unsettled.
27	30°07	30°04	60°0	55°0	65°1	49°1	3°0	0°5	423	418	82	97	W	4	E	12	5	5	—	8°8	47	Fine.
28	29°88	29°80	64°0	60°0	69°0	54°5	3°3	0°4	483	505	81	98	E	12	SSW	5	9	10	—	7°5	46	Fine.
29	78	84	59°0	58°0	60°8	56°0	1°8	0°3	442	473	89	98	—	1	—	3	10	8	—	0°3	46	Overcast and sultry.
30	29°93	29°97	61°0	56°0	66°3	51°5	2°5	0°4	458	437	85	97	—	1	ENE	4	8	8	—	6°6	48	Fine.
M.	30°113	30°105	58°7	56°5	63°6	51°0	3°4	2°3	396	392	80	86		7		6	6°6	6°8	0°33	170	47°2	

\* Miles per hour.

† Beaufort Scale (0—12).

## ARMAGH, a.—SEPTEMBER 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.	
							Dep. of Wet.		Vapour Pressure.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°		
1	ins.	ins.	58.0	57.5	63.0	47.5	2.0	0.3	421	464	87	97	—	—	—	—	ins.	0.2	40	● 4p.—8p.	
2	30.05	30.04	58.0	57.5	63.0	47.5	2.0	0.3	421	464	87	97	—	—	—	—	0.18	0.2	40	● 4p.—8p.	
3	29.93	01	58.4	53.0	63.0	53.0	6.6	3.9	310	301	63	75	SW	13	2	10	10	1.8	53	Dry and cloudy.	
4	30.06	09	58.2	48.2	64.7	46.2	5.3	2.0	338	288	70	86	—	3	1	6	0	9.9	38	Fine.	
5	09	11	57.2	51.0	65.0	45.0	3.2	1.3	375	341	80	91	—	2	0	7	0	6.5	39	Very fine.	
6	09	06	58.6	58.2	68.9	44.0	3.5	2.9	388	398	79	82	—	1	1	0	10	6.4	38	Fine a. Cloudy p.	
7	13	10	56.0	50.7	60.3	50.7	2.0	1.7	391	326	87	88	—	3	1	10	7	0.5	51	Fine, but cloudy.	
8	09	05	54.2	54.2	60.5	49.1	1.2	2.4	385	353	92	84	—	2	SE	4	10	—	43	Overcast.	
9	05	03	57.0	53.7	65.2	49.9	4.0	3.7	351	314	75	76	—	1	S	4	3	8	6.5	43	Fine.
10	30.08	54.3	52.5	68.0	42.8	1.2	2.7	387	324	92	82	—	1	—	2	10	10	6.3	36	Fine.	
11	00	30.96	58.6	54.0	60.7	51.4	2.0	0.6	431	400	88	96	SW	4	—	3	10	10.0	0.97	42	● from 4p.
12	00	30.07	55.2	50.8	62.3	50.8	1.0	1.1	407	344	93	92	—	2	—	0	10	0	0.2	53	—
13	07	04	56.9	52.7	67.7	47.7	1.9	1.2	406	365	88	92	—	1	—	0	8	7	5.9	40	Fine.
14	12	12	54.7	53.3	61.3	52.0	1.9	1.3	374	370	88	91	—	2	—	2	10	9	1.6	42	Fine.
15	18	12	55.6	43.7	59.1	40.0	3.9	1.4	337	254	76	88	—	1	—	1	8	0	4.9	33	Fine.
16	27	23	52.6	46.3	60.9	43.0	2.3	0.3	335	307	84	98	—	3	—	2	10	0	4.8	32	Fine.
17	31	29	55.4	48.1	60.5	40.6	2.7	0.8	363	316	83	94	—	1	—	1	8	10	8.4	31	Fine.
18	30.10	29.97	53.3	46.7	62.2	45.6	2.9	0.6	328	304	80	96	—	1	—	2	10	10	2.8	40	—
19	29.96	30.08	53.2	50.4	55.4	46.3	2.1	2.6	347	300	86	83	—	2	—	1	10	10	0.05	38	Overcast.
20	30.16	27	55.6	43.7	57.2	43.7	6.4	1.4	280	254	63	88	—	3	—	2	2	5	9.3	36	Fine.
21	24	19	51.2	46.6	53.7	38.6	4.7	1.8	264	270	70	88	—	2	—	1	5	10	2.0	29	Fine.
22	27	27	54.6	44.9	59.8	44.9	3.4	0.7	334	281	78	95	—	2	—	1	8	0	2.5	42	Fine.
23	27	23	52.2	51.9	61.2	40.7	2.4	3.2	328	306	84	79	—	2	—	2	10	10	2.1	32	Fine.
24	18	07	53.9	52.5	58.2	50.5	2.7	2.5	340	328	82	83	SW	6	SW	5	10	8	—	48	Overcast.
25	30.04	30.04	56.1	49.8	64.9	49.1	1.9	1.8	396	312	87	87	SW	5	—	1	10	3	4.5	42	Fine.
26	29.97	29.80	53.0	53.0	61.1	43.5	0.9	1.4	377	363	94	90	—	1	—	2	10	10	0.2	35	Overcast.
27	60	65	55.6	55.0	61.1	52.0	2.5	0.1	372	430	84	99	—	3	—	1	8	7	1.60	49	● noon—3p.
28	82	79	54.2	54.2	66.0	50.0	2.6	2.8	395	342	84	81	SSW	6	S	7	8	5.9	45	Fine.	
29	65	56	59.2	64.0	52.5	0.4	1.5	443	455	97	91	—	2	—	2	10	10	0.2	50	● showers.	
30	61	72	52.6	40.2	61.0	46.2	0.9	2.2	372	263	94	85	—	0	—	2	10	0	2.2	51	Fine.
31	29.83	29.78	53.7	50.0	59.6	43.0	3.7	1.0	314	334	76	93	—	2	S	7	0	1	7.8	38	Very fine.
M.	30.034	30.029	55.3	51.1	61.8	46.7	2.7	1.7	363	334	83	88	3	2	8.1	6.5	1.110	103	41.0		

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHŒNIX PARK), a.—SEPTEMBER 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, + .022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	hrs.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	58.8	58.8	67.0	50.2	1.1	0.2	.461	.490	94	99	—	2	WSW	6	10	100 <sup>0</sup>	ins.	hrs.	0 <sup>0</sup> a. and p.		
2	30°13	30°14	58.8	58.8	67.0	50.2	1.1	0.2	.461	.490	94	99	—	2	WSW	6	10	100 <sup>0</sup>	0.14	1.3	45	Cloudy.	
3	04	08	59.5	51.8	64.0	51.5	3.0	1.9	.416	.336	82	87	WSW	11	—	3	9	0	—	1.2	55	Beautiful day.	
4	13	14	56.8	49.5	63.5	48.7	0.8	1.6	.437	.314	94	89	WNW	6	—	1	4	0	—	10.5	44	Beautiful day.	
5	15	16	56.2	48.9	65.8	44.7	3.5	0.4	.355	.337	78	98	WNW	5	—	0	3	0	—	9.9	41	Cloudy to overcast.	
6	15	12	56.9	56.0	64.4	41.9	4.5	1.1	.384	.416	73	92	—	2	N	5	100 <sup>0</sup>	10	0.45	3.4	40	Cloudy to overcast.	
7	12	17	55.6	55.0	60.8	54.3	1.1	2.1	.411	.372	93	86	—	2	N	5	100 <sup>0</sup>	10	0.05	—	53	● a. Overcast.	
8	17	16	54.6	53.6	61.1	52.3	1.7	0.7	.378	.392	89	95	—	1	—	2	10	0	—	0.2	52	Fine, but overcast.	
9	14	12	57.5	49.1	61.7	44.2	2.1	2.1	.411	.297	86	85	—	2	—	1	8	0	—	7.5	41	Fine.	
10	12	15	58.7	47.7	64.4	42.1	3.8	0.6	.381	.315	77	96	—	0	—	0	9	0	—	2.3	39	Fine, but cloudy.	
11	04	09	56.1	46.3	60.5	44.5	1.0	1.5	.421	.279	93	90	—	1	—	0	10	10	—	1.7	54	Overcast, with ●.	
12	09	07	56.8	50.8	63.3	45.6	1.6	0.7	.414	.353	89	95	—	1	—	1	10	2	—	7.6	45	● a. - 4.20 a.	
13	12	15	54.8	53.6	61.2	46.7	2.3	1.5	.365	.369	86	90	WNW	4	N	4	9	0	—	2.5	41	Fine, but cloudy.	
14	16	14	51.0	51.4	58.8	44.9	1.8	1.3	.328	.346	87	91	—	2	—	3	10	10	—	1.4	44	Fine, but cloudy.	
15	19	27	52.8	41.2	56.4	40.9	2.6	0.2	.330	.255	82	98	N	9	—	0	10	6	—	2.5	44	Fine, but cloudy.	
16	31	31	55.0	51.1	58.5	40.1	2.5	0.4	.362	.395	84	97	—	3	—	0	9	8	—	3.3	38	Fine, but cloudy.	
17	34	28	53.5	52.3	57.2	48.9	2.6	0.8	.339	.371	82	95	—	2	—	0	10	10	—	0.7	48	Overcast.	
18	16	04	53.8	51.8	57.3	49.9	1.6	0.9	.369	.361	88	93	—	0	—	0	10	10	0.15	0.1	49	Overcast.	
19	00	12	54.3	43.7	56.8	43.3	4.4	2.1	.306	.240	73	84	NW	5	—	3	6	7	—	8.4	46	Fine.	
20	21	26	49.0	44.6	53.2	36.7	4.6	1.9	.243	.252	69	86	N	6	—	2	6	9	—	4.5	33	Fine, but cloudy.	
21	30	30	54.4	43.0	50.7	41.7	4.5	0.9	.305	.257	72	93	NW	5	—	0	8	0	—	2.0	42	Fine, but cloudy.	
22	33	32	51.8	45.4	58.8	36.7	2.9	0.8	.312	.285	80	95	—	2	—	1	0	9	—	9.5	32	Fine.	
23	29	19	52.2	54.2	57.8	41.9	2.6	2.3	.323	.355	83	84	W	5	W	6	10	10	—	—	35	Fine, but overcast.	
24	15	30°11	56.5	50.0	64.8	49.8	1.8	0.4	.404	.350	88	97	WSW	6	—	0	9	2	—	3.6	48	Fine, but cloudy.	
25	30°03	29°84	54.9	55.9	60.8	42.9	1.0	1.0	.403	.419	94	94	E	4	E	5	10	10	0.50	0.1	39	Fine, but overcast.	
26	29°60	29°58	57.4	60.7	53.9	1.4	1.6	4.02	4.23	91	90	ESE	10	W	6	10	10	0.26	1.1	52	● a. and p.		
27	92	89	59.9	48.9	68.7	46.3	4.3	1.5	.386	.309	75	90	S	5	—	3	8	0	—	1.75	5.5	42	Fine.
28	72	65	58.5	56.8	66.3	45.9	1.3	1.3	.449	.423	91	92	—	2	—	2	10	4	—	1.40	3.0	41	● a. Cloudy.
29	68	81	54.5	40.5	59.8	40.2	1.0	0.4	.396	.243	94	97	—	3	—	0	10	0	—	1.1	53	● early a. Fine, but cloudy.	
30	29°92	29°88	51.3	43.5	60.6	39.5	3.1	0.6	.301	.269	79	95	—	3	—	0	2	1	—	9.3	33	Fine.	
M.	30°094	30°090	55.5	50.3	61.1	45.2	2.5	1.1	.373	.340	84	92	—	4	—	2	8.1	5.3	0.585	104	43.7		

BIRR CASTLE, KING'S COUNTY, a.b.—SEPTEMBER 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., - 2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.

Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

[illegible]

\* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—SEPTEMBER 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, **OR** the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS. †					NORTH SHIELDS. †						GREAT YARMOUTH. †§						
Height of Cups above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cups above—Roof 8 ft., Ground 60 ft. ¶, M.S.L. 138 ft.						Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft., Height of Cups above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust	
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	23, 13	23, 12	23, 15	15, 17	24, 7	24, 10	23, 10	23, 8	24, 23, 10	13, 18, 22	23, 7	28, 10	29, 5	—	3	24	12. 15
2	23, 20	23, 27	24, 32	21	23, 4	—	—	—	—	—	23, 4	20, 6	19, 6	22, 7	—	15	20. 55
3	23, 24	23, 27	26, 27	10, 11, 12, 13	—	—	—	—	—	—	26, 10	27, 10	27, 4	24, 11	—	25	8. 45
4	29, 15	30, 9	29, 10	1, 2, 3, 7	—	—	—	—	—	—	27, 15	28, 18	28, 15	28, 12	—	44	13. 5
5	16, 5	17, 4	16, 5	11, 13-15, 17	—	—	—	—	—	—	28, 12	28, 18	28, 15	28, 12	—	34	9. 45
6	29, 15	28, 12	29, 16	11	—	—	—	—	—	—	*	29, 12	28, 7	28, 5	—	25	10. 15
7	32, 7	32, 4	31, 10	10	—	—	—	—	—	—	30, 12	31, 9	29, 6	29, 7	—	24	2. 15
8	15, 11	14, 8	15, 11	13, 14, 15, 17	—	—	—	—	—	—	32, 15	3, 18	1, 12	32, 12	—	26	9. 40
9	14, 4	15, 4	17, 7	11	—	—	—	—	—	—	28, 10	27, 10	29, 6	29, 6	—	24	11. 30
10	—	2	10, 5	12	—	—	—	—	—	—	28, 5	32, 7	—	2	—	16	9. 15
11	1, 10	1, 7	1, 14	14	—	—	—	—	—	—	1, 7	1, 7	1, 6	1, 6	—	12	13. 5
12	32, 4	31, 4	31, 7	1	—	—	—	—	—	—	32, 12	29, 11	28, 10	28, 8	—	29	14. 55
13	28, 11	28, 11	30, 14	8, 12	—	—	—	—	—	—	6, 15	6, 21	6, 16	6, 11	—	33	22. 35
14	26, 9	26, 7	26, 11	16	—	—	—	—	—	—	2, 12	2, 16	2, 22	2, 17	—	40	5. 30
15	24, 13	24, 12	24, 14	19	—	—	—	—	—	—	3, 18	2, 15	1, 13	1, 12	—	32	18. 20
16	25, 22	24, 14	25, 23	15	—	—	—	—	—	—	4, 12	3, 7	2, 12	3, 12	—	26	12. 20
17	22, 8	—	28, 12	2	—	—	—	—	—	—	5, 13	6, 10	8, 7	8, 8	—	19	0. 5
18	20, 12	20, 10	20, 15	11, 12, 21	—	—	—	—	—	—	27, 4	29, 5	29, 10	29, 7	—	30	18. 45
19	30, 29	29, 19	30, 29	11, 13	—	—	—	—	—	—	30, 15	29, 14	30, 10	29, 8	—	42	12. 35
20	24, 10	28, 16	25, 18	14	—	—	—	—	—	—	26, 8	28, 10	29, 6	29, 6	—	27	13. 50
21	24, 19	24, 18	22, 21	24	—	—	—	—	—	—	27, 4	—	2	12, 4	—	3	9. 35
22	23, 23	23, 26	23, 29	23	—	—	—	—	—	—	23, 7	*	*	*	—	17	13. 45
23	22, 25	23, 29	23, 31	17	—	—	—	—	—	—	*	25, 11	25, 4	25, 4	—	22	10. 35
24	29, 13	31, 7	24, 29	1	—	—	—	—	—	—	5, 12	8, 10	8, 13	8, 14	—	23	23. 5
25	17, 9	17, 5	15, 16	5	—	—	—	—	—	—	12, 14	12, 13	15, 8	17, 9	—	25	8. 5
26	14, 12	14, 15	14, 19	16, 17	—	—	—	—	—	—	23, 10	24, 8	—	2	—	22	4. 5
27	16, 5	15, 10	16, 12	22	—	—	—	—	—	—	15, 7	13, 12	13, 7	13, 7	—	25	13. 25
28	21, 5	22, 5	17, 18	4	—	—	—	—	—	—	14, 6	14, 5	21, 7	21, 6	—	17	11. 45
29	22, 14	23, 17	23, 22	20	—	—	—	—	—	—	26, 4	26, 6	7, 4	9, 6	—	14	13. 55
30	25, 20	25, 8	25, 23	11	—	—	—	—	—	—							
No record, instrument out of action throughout the remainder of the month.																	

PLYMOUTH. \$						DOVER. \$						SCILLY. + \$						
Height of Head above—Roof 3 ft., Ground 86 ft., M.S.L. 185 ft.						Height of Head above—Roof 29 ft., Ground 40 ft., M.S.L. 271 ft.						Height of Head above—Ground 32 ft., M.S.L. 164 ft. Height of Cups above—Ground 19 ft., M.S.L. 150 ft.						
Date.	13h.	18h.	Max. in a Gust.	Time of Gust.		9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
1	D. V.	D. V.	D.	V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D.	V.
2	8	5	—	18	13. 50	16	16	1	0	—	26	13. 25	27, 15	28, 16	27, 13	28, 14	—	24
3	—	8	—	17	12. 45	—	1	4	4	9	16	23. 5	29, 7	28, 11	27, 14	27, 16	—	20
4	11	10	—	26	8. 10	20	14	4	12	32	4. 30	1, 8	1, 9	32, 12	1, 10	—	19	
5	9	9	—	19	14. 50	24	26	25	23	43	15. 30	2, 7	1, 8	1, 12	1, 9	—	17. 10	
6	9	7	—	16	19. 40	25	19	17	14	40	8. 0	3, 6	1, 6	30, 6	31, 6	—	*	
7	7	3	—	11	13. 35	15	17	11	9	27	5. 30	31, 6	32, 4	2, 10	3, 10	—	*	
8	5	3	—	18	7. 45	18	17	7	14	27	9. 25	7, 9	8, 7	2	0	—	*	
9	5	4	—	15	10. 15	17	15	9	8	26	10. 50	—	3, 8	6	3	—	*	
10	3	1	—	10	14. 25	19	16	10	11	27	11. 20	8, 6	4, 6	2, 6	2, 4	—	7	
11	7	7	—	18	15. 5	14	9	0	0	23	8. 5	—	2, 30	6, 28	7, 28	6	—	
12	3	2	—	12	21. 10	*	13	11	12	20	13. 10	—	3, 6	6, 4	7, 5	5	—	
13	3	4	—	14	15. 35	15	20	14	11	32	14. 25	8, 0	5, 4	2, 7	2, 4	—	12	
14	9	10	—	25	15. 5	17	19	13	17	32	22. 50	3, 5	32, 7	1, 11	1, 13	—	15. 35	
15	12	6	—	25	19. 50	15	10	7	7	47	6. 40	2, 10	3, 16	3, 20	3, 22	—	9	
16	13	6	—	25	19. 50	15	22	27	24	39	19. 25	8, 16	6, 11	5, 14	—	—	21	
17	11	6	—	21	22. 50	20	21	18	17	32	14. 35	—	—	—	—	—	36	
18	14	9	—	29	15. 50	15	15	13	11	28	10. 20	—	—	—	—	—	29	
19	14	9	—	27	10. 55	10	14	10	0	24	15. 35	—	—	—	—	—	27	
20	14	11	—	25	23. 55	7	12	10	15	29	22. 55	—	—	—	—	—	28	
21	15	8	—	27	12. 20	25	25	13	16	38	17. 25	—	—	—	—	—	23. 35	
22	0	7	—	17	16. 20	25	18	13	14	27	14. 40	—	—	—	—	—	0. 50	
23	4	8	—	13	17. 55	14	6	0	0	21	9. 45	—	—	—	—	—	31	
24	12	8	—	19	16. 55	11	8	1	4	20	9. 55	4, 2	* 2	30, 5	4, 4	—	27	
25	4	6	—	12	16. 55	3	5	3	0	15	12. 15	—	—	—	—	—	0. 5	
26	19	16	—	30	16. 5	0	0	3	7	18	18. 35	12, 17	11, 28	10, 27	12, 27	—	9	
27	24	15	—	32	11. 20	8	15	10	9	23	23. 15	20, 20	22, 26	23, 15	23, 10	—	1. 50	
28	11	7	—	22	22. 55	3	11	8	0	22	15. 12	11, 12	12, 13	9, 17	9, 21	—	5. 30	
29	16	5	—	25	10. 5	5	3	1	11	25	21. 10	13, 9	18, 5	18, 5	17, 5	—	27	
30	*	1*	—	12	4. 45	15	9	13	6	28	15. 0	16, 4	—	3	3	9, 5	41	
						11	4	0	3	19	7. 20	9, 7	11, 12	11, 14	11, 17	—	22. 45	
																26	21. 0	

The velocities at fixed hours are means for the interval from 30 minutes before to 30 minutes after the hour. The hours are numbered 1<sup>h</sup> to 24<sup>h</sup>. Time is referred to Greenwich Mean Time, except at Kingstown and Roches Point, where Dublin Mean Time is used. Directions are not specified if the velocity is less than 4 miles per hour.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cups 9 inches; Factor 2.2.

readings at fixed hours.

§ Dines Pressure Tube Anemometer.

+ Robinson Cup Anemometer;  
At Great Yarmouth and Scilly the

The lighthouse on which the anemometer is erected stands upon a steep bank or cliff. On one side houses adjoin it, rising to 30 feet above the ground.

## ANEMOMETER RECORDS.

STONYHURST.†						SOUTHPORT.‡						HOLYHEAD.†‡					
Height of Cups above—Roof 8 ft., Ground 30 ft.,† M.S.L. 408 ft.						Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.						Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cups above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.					
Date.	13h.	18h.	Max. Hourly Run.		Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.
	D. V.	D. V.	D.	V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
1	26, 7	21, 4	24,	7	15	26, 8	24, 12	24, 10	24, 16	—	20	20, 4	19, 10	20, 7	20, 4	—	16
2	22, 10	23, 11	22,	14	16	24, 16	22, 16	23, 26	29, 29	—	39	22, 12	20, 12	24, 20	31, 7	—	28
3	27, 19	28, 19	28,	29	16	27, 23	27, 31	28, 28	33, 33	—	42	27, 16	27, 15	32, 10	30, 18	—	32
4	31, 7	—	1	32, 31	30	1, 12	28, 17	28, 18	2, 9	—	28	32, 15	31, 11	32, 7	32, 7	—	31
5	—	3	—	2	—	6, 7	27, 10	28, 9	—	3	17	—	2	27, 9	29, 6	—	12
6	—	3	—	2	6, 4	—	3	1, 6	4, 6	7, 6	—	15	2, 27	9	29, 6	—	2
7	—	3	—	2	4, 4	—	3	1, 6	4, 6	5, 5	—	15	31, 7	30, 6	1, 10	2, 9	—
8	5, 4	—	3	4, 2, 4	10, 14, 15	3, 8	6, 9	5, 7	7, 7	—	12	—	2	26, 4	6, 10	5, 6	—
9	32, 4	27, 7	26, 27	7	17, 18	14, 5	25, 9	28, 11	—	3	—	16	8, 10	24, 4	7, 7	8, 6	—
10	24, 5	20, 4	24, 22	6	12, 14	24, 7	34, 8	26, 7	25, 5	—	14	—	2	25, 7	26, 4	17, 4	—
11	—	2	—	2	5, 4	—	1	32, 9	1, 5	7, 9	—	15	18, 6	31, 4	20, 7	19, 5	—
12	—	2	—	1	27, 7	8, 5	25, 10	30, 13	31, 8	—	17	—	6	12, 1	7, 1	4, 30	6
13	4, 4	—	2	1, 6	24	5, 6	4, 5	1, 12	4, 10	—	17	16, 5	31, 15	31, 15	32, 14	1, 11	—
14	3, 7	2, 10	3, 12	21	1, 13	2, 15	5, 17	3, 11	—	27	18, 30	6, 12	3, 21	2, 19	2, 18	—	29
15	4, 5	7, 4	4, 12	1	4, 19	7, 10	9, 9	8, 7	—	25	8, 25	4, 16	4, 17	3, 10	4, 12	—	24
16	—	2	—	3	1, 2	5, 6	6, 7	32, 7	8, 5	—	13	5, 15	5, 10	3, 9	3, 5	—	24
17	—	2	—	3	15, 16	10, 5	12, 5	—	3, 9	6	—	12	—	2	9, 6	21, 6	22, 6
18	—	3	—	1	3, 7, 13	13, 6	16, 6	—	3	2	—	11	—	2	9, 6	21, 6	22, 6
19	2, 5	—	1	26, 28, 32, 7	8, 10, 11, 12	30, 18	29, 20	6, 5	1, 11	—	27	14, 40	1, 14	31, 26	31, 23	32, 23	—
20	2, 6	32, 4	32, 2, 6	11, 13, 16	1, 14	32, 12	29, 9	32, 9	—	21	1, 0	2, 12	2, 12	1, 12	32, 10	—	22
21	22, 7	—	3	22, 7	13	—	3	26, 11	27, 7	28, 5	—	16	30, 11	29, 13	32, 13	32, 12	—
22	23, 10	—	3	24, 11	14	29, 15	26, 14	28, 16	25, 15	—	23	6, 55	30, 8	29, 6	28, 5	25, 10	—
23	23, 12	22, 7	23, 14	9	25, 21	25, 22	24, 22	24, 22	24, 22	—	29	12, 35	24, 15	24, 15	21, 11	23, 17	—
24	24, 11	16, 4	23, 12	12	25, 24	24, 21	25, 14	27, 10	—	31	6, 10	24, 17	24, 17	24, 5	22, 7	—	25
25	—	2	6, 4	8, 6	20, 21	12, 4	13, 9	10, 6	10, 8	—	20	23, 15	12, 5	10, 4	8, 4	9, 10	—
26	10, 5	13, 13	15, 15	20	12, 17	12, 18	14, 17	16, 14	—	30	21, 40	12, 15	14, 20	19, 14	23, 20	—	35
27	21, 7	—	0	22, 13	1	23, 13	24, 11	13, 4	13, 6	—	29	1, 10	20, 12	18, 18	18, 11	16, 5	—
28	16, 9	—	2	16, 9	13	12, 14	15, 13	15, 10	14, 7	—	22	10, 40	16, 9	18, 7	19, 12	20, 12	—
29	21, 8	24, 7	21, 8	13	20, 6	24, 14	27, 16	28, 15	—	23	14, 30	19, 11	26, 12	27, 8	27, 10	—	22
30	23, 7	—	25, 9	11	26, 14	24, 10	—	3	10, 7	—	23	6, 45	28, 6	18, 4	—	2	13, 4

GLASGOW. †						KINGSTOWN. †						ROCHES POINT. §									
Height of Cups above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.						Height of Cups above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.									
Date.	13h.	18h.	Max. Hourly Run.		Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.		Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.		Time of Gust.		
	D.	V.	D.	V.	Hour.	D.	V.	D.	V.	D.	V.	Hour.	D.	V.	D.	V.	D.	V.	hr. min.		
1	22, 10	23, 7	22, 13	22, 13	14	—	2	25, 10	23, 10	24, 11	23, 22	22	—	11	—	9	—	—	25	13. 40	
2	22, 13	25, 17	26, 21	26, 21	16	24, 14	24, 25	27, 17	25, 15	23, 29	26, 28	3, 4, 5, 14	—	5	—	9	—	11	27	19. 40	
3	26, 16	27, 12	26, 16	26, 16	13	27, 10	27, 13	28, 12	27, 14	26, 28	17, 8, 10	—	—	9	—	8	—	11	18	3. 0	
4	27, 4	25, 4	4, 8, 7	7, 7	19, 22, 23	27, 7	7, 7	—	2	25, 21	2	—	—	9	—	9	—	7	—	16	4. 30
5	—	3	27, 4	7, 7	1, 16	30, 7	7, 10	10, 4	—	24, 10	24	—	—	14	—	4	—	7	—	17	8. 5
6	—	2	—	8, 7	22	30, 7	1, 4	30, 10	32, 10	32, 13	17, 19	—	—	14	—	14	—	16	—	21	10. 15
7	9, 4	8, 4	7, 7	7, 7	16	26, 7	3, 5	5, 10	—	3	5, 10	18	—	8	—	6	—	2	—	13	6. 5
8	—	3	23, 5	22, 6	16	13, 4	10, 7	12, 5	—	3	10, 7	12, 15	—	5	—	7	—	3	—	13	11. 0
9	26, 7	26, 5	26, 7	13, 14	—	—	2	11, 7	—	3	9, 8	12	—	3	—	6	—	6	—	11	14. 50
10	21, 5	21, 5	20, 22, 6	19, 20	—	24, 9	24, 7	24, 9	27, 6	24, 10	4, 5, 16	—	—	3	—	7	—	10	—	23	18. 30
11	10, 6	9, 4	8, 8	16	—	—	2	6, 7	—	3	5, 10	16	—	7	—	13	—	8	—	18	12. 40
12	31, 4	31, 4	29, 6	16	—	4, 4	6, 5	—	2	—	26, 12	23	—	9	—	6	—	8	—	13	17. 45
13	32, 4	—	11, 7	22	—	27, 13	2, 11	3, 5	30, 9	26, 32, 15	8, 24	—	—	13	—	16	—	16	—	24	11. 25
14	7, 4	9, 5	8, 9	6	1, 8, 14, 15, 17, 19, 20	24, 12	2, 12	2, 7	30, 12	2, 18	22	—	—	14	—	14	—	18	—	25	17. 5
15	7, 4	—	8, 6	8	—	2, 22	3, 18	3, 6	30, 4	2, 22	9	—	—	19	—	13	—	8	—	25	7. 10
16	24, 5	25, 4	24, 5	12, 13, 14	—	30, 10	3, 10	3, 5	2, 7	2, 12	10, 12	—	—	*	—	15	—	7	—	21	13. 50
17	21, 5	22, 5	22, 9	16	—	32, 7	5, 11	2, 4	4, 5	5, 11	13	—	—	10	—	11	—	6	—	18	13. 15
18	22, 10	23, 7	22, 10	14	—	—	2, 8, 4	—	0	24, 4	24, 7	—	—	9	—	4	—	9	—	8	*
19	32, 10	1, 6	32, 10	12	—	30, 15	32, 20	31, 18	27, 13	32, 23	14, 15	—	—	*	—	*	—	*	—	126	23. 45
20	31, 5	27, 4	31, 8	10	—	31, 18	2, 15	31, 10	29, 13	31, 18	9, 10	—	—	20	—	15	—	11	—	9	27
21	24, 10	26, 7	25, 12	15	—	30, 14	32, 8	—	2	24, 7	24, 15	—	—	11	—	8	—	6	—	5	11. 0
22	25, 12	24, 12	25, 15	14	—	24, 10	27, 8	25, 11	25, 8	24, 14	6, 7	—	—	8	—	12	—	8	—	17	2. 15
23	23, 13	23, 18	24, 21	16	—	24, 10	24, 14	23, 15	23, 13	23, 16	24	—	—	*	—	8	—	5	—	*	*
24	25, 10	25, 7	23, 17	4	—	24, 18	25, 14	—	2	24, 4	24, 23	—	—	7	—	11	—	6	—	3	15
25	23, 4	24, 4	21, 9, 5	14, 24	—	10, 4	12, 13	10, 12	8, 22	8, 10, 22	21, 22	—	—	10	—	21	—	25	—	31	12. 40
26	10, 8	14, 4	10, 8	12, 13	—	11, 26	11, 18	24, 16	23, 22	10, 32	10	—	—	4	—	28	—	12	—	8	23. 25
27	21, 7	—	2, 21, 10	15	—	10, 4	15, 15	15, 10	16, 16	16, 20	23, 24	—	—	12	—	17	—	16	—	16	19. 25
28	20, 10	19, 7	20, 10	13, 14	—	16, 18	14, 10	12, 6	14, 4	16, 18	9	—	—	20	—	13	—	18	—	12	7. 45
29	24, 10	24, 11	26, 24, 11	15, 16, 18, 23, 24	—	22, 13	26, 14	26, 10	23, 7	24, 17	10	—	—	12	—	14	—	17	—	15	19. 0
30	22, 10	22, 7	24, 12	10	—	25, 6	14, 15	16, 11	16, 10	16, 20	24	—	—	9	—	10	—	16	—	17	23. 50

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level

§ Dines Pressure Tube Anemometer.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNESS, ORKNEY, a.b.—OCTOBER 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar, 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Mins.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.							in.	in.	%	%	*	*			ins.	hrs.	°				
2	29.68	29.63	53.3	53.8	56.3	48.5	2.2	0.5			346	401	85	96	S	16	S	19	5	1	ins.	5.0	—
3	45	28	52.9	53.8	56.0	52.5	0.0	0.4			402	403	100	97	SE	23	S	18	10	10	15	4.8	—
4	39	74	48.8	47.6	54.5	44.7	4.9	1.0			235	305	68	93	WNW	27	WNW	18	2	9	14	5.6	—
5	29.85	30.03	53.0	53.8	56.3	47.5	0.0	0.4			415	437	100	97	SW	10	W	18	10	10	11	—	—
6	30.03	30.14	58.7	52.4	60.1	52.2	2.0	1.4			432	355	87	90	W	29	WNW	11	9	10	05	1.7	—
7	30.15	30.09	51.1	52.8	54.7	49.3	0.5	1.6			343	355	96	88	WSW	6	W	8	10	1	04	0.1	—
8	29.97	29.74	51.4	49.4	54.7	49.3	1.2	0.6			348	338	91	96	SW	6	—	2	10	1	17	1.5	—
9	64	72	49.2	48.4	52.5	46.3	0.6	1.8			335	295	96	87	W	18	W	12	8	10	—	—	—
10	64	68	50.6	51.8	52.7	47.5	1.3	1.5			335	340	91	89	W	23	W	16	10	9	—	—	—
11	69	55	49.5	49.6	54.5	48.5	1.4	1.2			318	324	90	92	SW	5	S	8	3	8	05	4.1	—
12	37	29.44	49.4	46.1	51.5	45.5	0.8	2.0			333	266	94	86	W	11	W	6	10	6	—	—	—
13	36	30.14	47.6	46	49.5	42.2	2.5	4.0			270	195	83	72	N	18	N	23	7	8	—	—	—
14	30.40	52	43.7	44.6	47.5	40.5	3.0	1.8			221	254	77	86	NW	8	—	2	8	4	—	—	—
15	56	50	51.1	47.6	52.3	42.0	2.5	2.0			312	282	83	86	—	1	SSE	12	2	1	—	—	—
16	38	30.24	51.1	48.6	52.0	47.0	2.5	1.4			312	307	83	90	S	14	SE	18	1	10	—	—	—
17	29.83	29.98	51.1	49.8	52.7	48.2	0.4	0.2			355	353	97	98	SE	16	SE	10	10	2	—	—	—
18	68	75	49.8	48.0	51.0	40.3	0.2	0.4			353	325	98	97	SE	4	W	4	10	10	04	1.1	—
19	52	49	48.6	45.8	50.8	44.3	0.9	0.2			320	303	94	98	—	3	—	3	7	06	2.2	—	
20	67	29.78	45.8	45.8	46.7	42.5	1.1	0.9			284	286	93	94	N	21	NW	21	10	4	06	2.3	—
21	29.97	29.74	46.6	48.6	48.7	45.5	2.8	1.2			254	312	81	92	N	33	NNE	25	9	10	—	—	—
22	30.11	30.10	51.6	50.6	53.5	48.3	0.7	1.0			363	343	95	93	E	14	ESE	20	9	8	34	—	—
23	30.01	30.06	49.9	49.8	50.9	49.0	1.8	0.8			313	337	88	94	E	18	SE	18	8	10	02	1.6	—
24	29.90	29.97	49.9	47.8	50.5	46.5	1.3	2.6			326	270	91	81	SE	19	ESE	15	10	8	—	—	—
25	29.96	29.94	50.1	48.1	50.5	46.5	0.7	1.7			344	294	95	88	SE	14	SE	13	9	6	08	0.2	—
26	30.04	30.04	49.8	48.7	51.5	47.5	1.2	1.3			328	311	91	91	SE	13	SE	13	9	7	—	—	—
27	30.10	30.02	49.0	49.4	50.5	47.5	1.3	1.8			315	307	91	88	SE	18	ESE	13	10	10	—	—	—
28	29.94	29.89	48.6	47.6	50.5	46.7	2.6	2.0			280	282	82	86	E	20	E	22	10	10	—	—	—
29	89	94	47.0	45.9	46.6	44.5	1.3	1.0			280	294	92	93	E	20	E	19	7	10	10	2.1	—
30	95	29.79	44.3	51.3	42.5	2.0	1.7	2.75			263	86	87	E	4	NNE	6	1	8	03	5.6	—	
31	29.17	28.52	44.4	43.4	47.6	40.3	1.3	1.8			261	243	90	86	—	3	SW	8	1	2	17	7.0	—
M.	29.864	29.849	49.5	48.4	51.8	46.2	1.5	1.3			319	310	90	90	S	30	—	3	10	10	40	0.1	—

DUNROBIN CASTLE, SUTHERLANDSHIRE, c.d.—OCTOBER 1910.

Height above Mean Sea Level, 12 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 8 ins. Rain-gauge, 1 foot.

Long. 3° 56' W. Lat. 57° 59' N. Gravity Correction, +.034 in.																					
1	29° 84'	29° 78'	55° 5'	55° 0'	62° 0'	45° 0'	4° 0'	5° 0'	333	75	70	Cal	0	N	1	3	0	—	—	Fine and clear.	
2	29° 61'	29° 45'	59° 0'	55° 5'	62° 0'	52° 5'	3° 5'	4° 0'	394	75	70	E	0	Cal	0	5	10	14	—	Fine to dull. ●	
3	29° 40'	29° 34'	51° 0'	50° 5'	56° 0'	47° 5'	6° 0'	1° 5'	236	328	63	89	NW	3	W	4	0	8	—	Clear, then ● showers.	
4	30° 06'	30° 19'	56° 5'	59° 0'	60° 5'	50° 0'	1° 5'	2° 0'	412	436	90	88	NW	1	SW	1	8	5	—		
5	31	34	60° 5'	56° 5'	61° 0'	54° 5'	4° 0'	1° 5'	403	436	77	90	NW	1	W	3	5	10	—	Dull.	
6	30° 34	30° 27	56° 5'	50° 5'	65° 0'	50° 0'	1° 0'	1° 0'	427	342	94	93	W	1	SE	1	10	5	—	Dull to fine.	
7	29° 87	29° 94	53° 0'	49° 0'	56° 5'	46° 5'	2° 0'	2° 0'	347	298	86	86	E	1	NW	1	5	0	—	Fine to clear.	
8	85	90	50° 0'	48° 5'	55° 0'	43° 0'	3° 0'	2° 0'	286	292	80	86	NW	3	W	1	5	5	—	Fine.	
9	86	91	51° 0'	51° 5'	57° 5'	46° 0'	3° 0'	3° 0'	299	305	80	86	W	0	W	3	5	5	—	Fine.	
10	55	29° 65	49° 0'	50° 5'	57° 0'	44° 0'	1° 0'	2° 0'	316	309	93	86	Cal	0	W	2	8	10	03	Fine to dull.	
11	55	30° 33	44° 0'	43° 5'	53° 0'	36° 0'	3° 0'	3° 5'	224	210	77	74	NW	2	NW	3	5	8	—	Dull.	
12	70	67	42° 5'	41° 5'	52° 0'	38° 0'	3° 0'	2° 5'	211	211	78	81	NW	1	NW	1	8	0	—	Dull.	
13	30° 57	30° 47	45° 0'	50° 0'	51° 0'	37° 0'	1° 5'	3° 0'	264	286	89	80	S	1	E	4	10	0	—	Dull to clear.	
14	54	35	49° 5'	50° 0'	52° 0'	38° 5'	3° 0'	3° 0'	281	286	80	80	E	1	E	4	0	0	—	Clear.	
15	30° 22	30° 12	50° 0'	51° 5'	51° 5'	49° 5'	1° 0'	1° 0'	334	354	93	93	E	1	Cal	0	10	10	—	Fine.	
16	29° 97	29° 92	48° 0'	46° 0'	52° 5'	41° 5'	5° 0'	1° 0'	224	287	67	93	E	1	N	1	10	8	—	Dull.	
17	83	69	47° 5'	45° 0'	51° 0'	41° 0'	0° 5'	4° 0'	316	214	96	72	Cal	0	N	2	8	8	—	≡. Fine to dull.	
18	69	67	47° 5'	42° 0'	51° 5'	41° 0'	2° 5'	2° 0'	269	225	82	85	N	1	N	3	10	18	—	Fine but dull.	
19	29° 90	29° 95	46° 5'	47° 5'	48° 0'	41° 0'	3° 0'	1° 0'	249	304	80	93	NE	3	E	3	10	10	—	Dull. ● showers.	
20	30° 07	30° 21	53° 0'	52° 0'	54° 0'	46° 5'	1° 5'	1° 5'	361	322	90	90	E	4	E	4	10	10	—	Dull.	
21	13	17	51° 5'	50° 0'	54° 5'	48° 5'	2° 0'	1° 5'	329	328	87	90	E	6	NW	2	10	10	—	Dull.	
22	12	04	55° 5'	48° 5'	50° 5'	48° 0'	3° 5'	1° 5'	344	303	78	89	Cal	0	Cal	0	10	10	05	Dull.	
23	02	04	49° 0'	49° 5'	51° 0'	47° 0'	1° 0'	1° 0'	322	328	93	93	E	1	E	4	10	10	—	Dull.	
24	07	18	50° 5'	50° 0'	52° 5'	48° 5'	2° 0'	3° 0'	317	286	87	80	SE	1	E	1	10	10	—	Dull.	
25	22	21	50° 5'	50° 0'	54° 5'	45° 5'	1° 5'	3° 0'	328	286	89	80	E	2	E	4	10	10	—	Dull.	
26	17	30° 12	50° 0'	49° 0'	50° 0'	48° 5'	2° 5'	1° 5'	298	310	83	90	SE	5	SE	4	10	10	—	Dull.	
27	02	29° 08	49° 5'	49° 0'	50° 0'	47° 0'	3° 5'	1° 5'	270	310	76	90	SE	4	SE	4	10	10	08	Dull.	
28	02	30° 08	49° 0'	44° 5'	50° 5'	41° 0'	2° 5'	1° 0'	287	271	83	92	E	3	SE	2	5	7	—	Dull.	
29	30° 12	30° 02	45° 0'	39° 0'	51° 5'	37° 5'	3° 0'	2° 0'	233	199	78	84	SW	1	SW	1	7	8	05	Fine to dull.	
30	29° 42	28° 81	45° 0'	42° 5'	47° 5'	36° 5'	2° 0'	0° 5'	253	261	85	96	W	2	SW	2	10	10	78	Dull. ● showers.	
M.	30° 019	30° 007	50° 3	48° 7	54° 1	44° 5	2° 5	2° 1	305	297	83	86		1° 8		2° 1	7° 6	7° 3	1° 39	—	
Corresponding																					

Corresponding Average Values are referred to thus:—a. Appendix III, "Weekly Weather Report," 1906; b. Appendix I, "Meteorological Observations at Stations of the Second Order," 1891; c. "Temperature Tables of the British Islands," 1871-1900; d. "Rainfall Tables of the British Islands," Part I., 1866-1880. Part II., 1880-1890.

\* Miles per hour.  
 † Beaufort Scale (0-12).

## TILLYPRONIE, ABERDEENSHIRE.—OCTOBER 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.		Vapour Pressure.		Percentage.													
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.		
1	ins.	ins.	55.0	54.0	56.6	40.0	2.4	1.8	365	366	85	87	S	4	S	4	7	0	ins.	hrs.	—	—	Sunshine. Fine.	
2	28.73	28.69	55.0	55.2	60.5	50.0	0.8	2.4	365	368	94	85	S	5	SE	5	9	7	—	—	11	—	Dull. ☉	
3	28.79	28.79	48.0	48.0	60.0	44.0	3.8	1.8	247	290	74	87	NW	7	SW	2	2	8	—	—	—	—	Sunshine.	
4	28.92	29.02	57.0	60.8	62.7	46.5	3.8	2.8	356	442	76	83	SW	4	SW	6	8	7	—	—	—	—		
5	29.15	29.15	57.0	60.8	62.7	46.5	3.8	2.8	356	442	76	83	SW	4	SW	6	8	7	—	—	—	—		
6	29.16	29.16	56.9	50.0	67.8	48.0	3.9	1.5	352	322	78	90	NW	2	W	2	2	0	—	—	—	—		
7	28.95	28.79	51.0	50.3	67.7	41.0	2.5	2.8	311	295	83	81	W	2	SW	1	8	0	—	—	—	—		
8	28.73	28.73	53.0	45.5	58.0	43.0	5.8	1.9	261	261	65	86	NW	4	W	6	0	0	—	—	—	—	Sunshine.	
9	28.68	28.68	51.8	44.8	61.2	37.0	4.3	2.3	280	246	73	83	NW	4	NW	4	3	6	—	—	—	—	Sunshine.	
10	28.72	28.72	51.0	46.3	60.2	42.0	1.3	1.6	283	276	91	89	NW	2	NW	2	8	7	—	—	—	—	Dull. ☉	
11	28.43	28.43	49.8	42.5	52.0	41.0	1.9	1.3	310	243	87	90	SE	1	NW	2	8	9	—	—	—	—	Dull. ☉	
12	28.59	29.02	41.8	39.0	46.2	37.0	1.0	1.5	245	209	92	88	NW	5	N	8	9	8	—	—	—	—	Dull. ☉	
13	29.33	29.33	41.0	39.5	42.0	44.0	38.0	2.1	1.8	202	229	83	86	N	2	NW	2	4	2	—	—	—	—	Dull.
14	29.33	29.33	41.0	39.5	42.0	44.0	38.0	2.1	1.8	202	229	83	86	N	2	NW	2	4	2	—	—	—	—	Dull.
15	29.33	29.33	41.0	39.5	42.0	44.0	38.0	2.1	1.8	202	229	83	86	N	2	NW	2	4	2	—	—	—	—	Sunshine.
16	29.05	28.92	46.2	46.9	47.2	39.8	0.2	0.1	308	319	99	100	SE	2	SE	2	10	10	—	—	—	—	☉ and sunshine.	
17	28.79	28.79	40.0	45.8	52.5	36.0	1.1	0.8	224	289	91	94	N	2	N	2	5	9	—	—	—	—	Dull. ☉	
18	28.66	28.66	43.8	45.2	51.5	38.0	0.8	0.2	267	297	94	99	N	2	N	3	5	10	—	—	—	—	Sunshine. ☉	
19	28.46	28.46	44.8	38.0	46.0	36.5	0.8	0.8	212	212	94	93	N	4	N	4	9	3	—	—	—	—	Dull. ☉ showers.	
20	28.59	28.59	42.5	45.0	45.0	35.5	0.7	0.3	257	292	94	98	NE	6	NE	6	9	10	—	—	—	—	Dull.	
21	28.84	28.84	42.5	45.0	45.0	35.5	0.7	0.3	257	292	94	98	NE	6	NE	6	9	10	—	—	—	—	Dull.	
22	28.98	28.98	45.2	46.8	49.0	44.0	0.2	0.3	297	314	99	98	SE	6	SE	8	9	10	—	—	—	—	Dull.	
23	28.98	28.98	45.2	46.8	49.0	44.0	0.2	0.3	297	314	99	98	SE	6	SE	8	9	10	—	—	—	—	Dull.	
24	28.98	28.98	45.2	46.8	49.0	44.0	0.2	0.3	297	314	99	98	SE	6	SE	8	9	10	—	—	—	—	Dull.	
25	28.89	28.89	44.8	43.8	45.2	42.2	0.6	0.6	283	271	96	96	SE	4	SE	4	9	9	—	—	—	—		
26	29.02	29.02	44.7	43.0	46.0	40.2	0.2	0.8	292	259	98	94	SE	2	SE	3	10	9	—	—	—	—		
27	28.96	28.96	44.3	42.6	45.0	36.0	0.8	0.8	273	256	94	93	SE	4	SE	6	9	9	—	—	—	—		
28	28.83	28.83	42.0	42.0	43.0	40.0	0.5	1.2	256	241	96	91	SE	6	SE	4	10	9	—	—	—	—		
29	28.83	28.83	42.0	42.0	43.0	40.0	0.5	1.2	256	241	96	91	SE	6	SE	4	10	9	—	—	—	—		
30	28.83	28.83	42.0	42.0	43.0	40.0	0.5	1.2	256	241	96	91	SE	6	SE	4	10	9	—	—	—	—		
31	28.35	28.35	41.5	41.6	45.2	32.5	2.5	0.6	211	250	81	95	S	4	S	3	9	10	—	—	—	—		
M.	28.844	28.821	47.0	45.4	51.6	40.1	1.9	1.3	282	276	87	90		3.7	3.7	7.2	6.8	3.25	—	—	—	—	—	

## DUNDEE, FORFARSHIRE, c.d.—OCTOBER 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +030 in.

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

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—OCTOBER 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
							Dep. of Wet.	Vapour Pressure.	Percentage.														
9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		Min.						
1	ins.	ins.	52.4	61.4	64.1	45.7	1.2	3.6	360	429	91	79	—	2	S	7	10	9	ins.	hrs.	°	6a.-7a. Overcast morning.	
2	29.78	29.65	52.4	61.4	64.1	45.7	1.2	3.6	360	429	91	79	—	2	S	7	10	9	3.1	35	2.1	Cloudy till 11a. ☉ from 5p.	
3	29.48	29.48	60.2	57.3	63.4	57.1	4.2	0.8	393	446	75	95	S	12	SW	6	10	10	3.68	2.1	49	Dull, with ☉ showers from noon.	
4	29.66	29.66	49.6	54.9	57.8	48.0	4.5	0.9	251	404	71	94	NW	13	W	10	3	10	.026	2.7	46	☉ early a. Overcast.	
5	30.10	30.10	57.2	56.8	58.8	54.7	3.2	1.5	375	417	80	90	W	16	W	12	10	10	—	—	51	☉ early a. Overcast.	
6	27	29	57.9	55.7	61.7	55.6	2.9	1.7	394	395	82	89	W	12	W	5	8	9	—	7.1	51	Fine.	
7	30.03	29.85	47.5	52.8	56.1	43.1	0.8	1.8	309	350	94	87	—	0	SW	5	10	8	—	3.5	48	Cloudy.	
8	29.78	29.78	54.5	46.7	56.3	46.7	3.2	1.8	337	277	79	87	W	7	—	3	8	0	—	7.6	46	Overcast, with ☉.	
9	78	78	50.1	48.5	54.7	42.4	1.7	1.9	318	294	88	86	W	8	W	4	10	10	—	0.4	34	Dull a., then fine.	
10	74	76	50.2	51.9	53.3	47.4	1.9	2.1	315	331	87	87	—	2	—	2	10	10	.060	—	42	Dull.	
11	42	29.50	53.9	46.6	54.1	46.4	1.5	2.4	373	262	90	83	SSW	6	—	3	10	4	.027	—	48	Overcast.	
12	30.03	30.03	42.5	46.2	53.7	40.1	2.0	5.0	230	269	85	67	—	2	N	11	4	2	—	6.5	34	☉ showers a. Overcast.	
13	39	43	49	43.5	46.2	49.2	3.2	2.0	205	208	73	77	ENE	7	NE	8	8	2	—	7.0	30	Misty a. Fine.	
14	44	42	47.9	45.8	52.3	42.3	3.7	1.8	248	267	75	87	E	10	ENE	7	9	1	—	2.9	37	Cloudy a. Fine.	
15	30.08	29.91	50.1	49.3	53.3	43.4	2.5	2.7	272	288	82	82	NE	8	E	12	5	7	—	8.0	38	Cloudy.	
16	29	30.08	47.9	45.8	52.3	42.3	3.7	1.8	248	267	75	87	E	10	ENE	7	9	1	—	2.9	37	Squally noon-4p.	
17	30.01	29.91	50.1	49.3	53.3	43.4	2.5	2.7	272	288	82	82	NE	8	E	12	5	7	—	8.0	38	☉ 9.15a. Overcast.	
18	67	77	52.9	48.1	53.7	47.4	5.1	1.1	275	308	68	92	—	2	—	0	8	100	—	0.3	43	Dull, with ☉.	
19	51	54	45.5	49.3	51.6	43.2	0.5	0.6	293	336	96	96	—	2	ENE	6	9	100	.586	—	35	Dull. ☉ noon-5.30p.	
20	63	54	50.9	42.2	53.0	42.8	4.6	2.4	262	219	71	83	N	4	NNW	4	10	3	—	0.2	45	☉ a. Dull.	
21	75	64	47.9	49.2	50.9	38.1	4.0	4.8	243	241	73	68	NW	4	N	10	7	10	.019	0.3	30	Dull and breezy.	
22	91	90	51.5	50.6	53.9	48.7	1.7	1.4	336	332	89	90	E	10	NE	11	4	6	.005	2.2	43	☉ 3a.-6a. ☉ shower 8p.	
23	83	86	51.3	51.1	54.1	48.3	2.1	1.2	324	345	85	91	NE	10	E	8	9	10	—	0.4	43	Cloudy to overcast.	
24	79	80	52.0	46.7	55.1	46.5	3.2	1.3	305	289	79	91	E	7	E	7	9	4	—	0.5	49	Cloudy to overcast.	
25	29.85	29.85	48.5	48.5	50.9	44.5	2.5	1.8	280	297	82	87	E	6	E	8	10	10	.018	0.2	40	Overcast. ☉ 5p.-6p.	
26	30.01	30.01	48.1	46.6	52.1	46.0	3.1	1.6	262	276	78	89	E	6	E	5	5	7	—	0.1	42	Dull and cloudy.	
27	29.91	29.91	47.2	48.9	52.2	42.8	1.5	2.7	289	282	90	81	ENE	8	ENE	10	8	10	—	1.0	35	Cloudy. Overcast from 2p.	
28	73	73	48.6	48.6	51.6	47.7	2.6	2.6	280	280	82	82	NE	11	E	11	9	10	—	—	46	Dull and threatening.	
29	78	74	48.1	47.0	50.2	46.7	2.3	3.2	280	249	84	78	ENE	10	NE	7	10	10	—	—	43	Overcast.	
30	94	87	47.4	44.1	50.4	43.8	2.6	3.0	267	225	83	77	E	7	NE	7	6	10	—	1.6	42	Fine 10a.-2p.	
31	29.48	29.87	44.5	45.5	49.9	39.2	3.1	2.8	227	243	77	80	—	2	—	2	7	9	—	2.7	29	Fine till 2p. Cloudy, with ☉.	
	29.48	29.66	46.4	46.9	52.2	42.9	3.5	2.9	238	254	76	80	SW	15	W	15	10	10	.759	—	36	☉ 10a.-10p.	
M.	29.859	29.825	50.1	49.4	54.5	45.8	2.7	2.1	298	305	82	85	—	7	—	7	8.2	7.5	1.868	61	41.1		

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—OCTOBER 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.					Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.		
								Dep. of Wet.		Vapour Pressure.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	Grass.			
1	29.72	29.52	49.6	54.3	67.3	38.0	1.8	0.1	310	419	88	99	Calm	0	Calm	0	9	3	ins.	hrs.	°	Dull a., then bright.
2	43	29.71	61.1	57.2	64.4	53.1	2.5	0.9	457	440	85	94	SE	3	SE	1	6	10	39	5.9	27	Fine. Drizzling n.
3	46	29.70	51.5	51.2	57.8	51.2	0.1	1.2	378	345	99	92	W	8	NW	7	7	6	12	6.1	41	Fine.
4	29.93	30.07	55.2	54.3	57.2	51.2	1.1	2.1	404	363	93	85	NNW	6	NNW	8	10	7	04	—	42	showers.
5	30.09	30.11	58.5	52.6	64.0	52.6	4.1	2.2	370	337	75	85	NNW	4	NW	4	3	1	—	9.9	46	Fine.
6	30.11	30.05	57.4	50.5	67.9	47.5	3.5	0.8	370	347	78	94	NW	3	SW	2	2	2	—	9.3	39	Fine.
7	29.90	29.75	48.8	47.8	60.1	39.0	0.0	0.8	345	312	100	94	S	3	SWbyW	2	10	2	01	3.1	33	Dull a., then fine.
8	63	63	53.9	42.2	62.2	40.9	2.0	0.2	359	265	87	98	W	3	NWbyW	3	3	3	—	8.9	31	Fine.
9	62	62	51.3	47.9	55.9	41.5	3.1	2.6	301	271	79	88	NNW	4	W	3	2	6	—	8.5	28	Fine.
10	62	62	48.5	47.8	54.2	43.5	1.1	1.3	313	301	92	91	NW	3	SE	1	9	9	—	—	34	Overcast.
11	35	31	52.3	45.8	60.0	45.8	1.1	0.5	362	297	92	96	SW	2	NE	2	9	10	28	1.0	37	Dull, with T.
12	29.36	29.70	47.1	48.8	49.3	43.6	0.6	2.9	310	277	96	80	NNW	2	NNE	8	10	7	10	—	39	showers.
13	30.11	30.28	46.9	46.6	49.9	44.3	4.1	4.2	230	226	73	72	NNE	6	NE	5	9	9	—	0.1	37	Overcast.
14	32	30.29	51.1	46.9	52.4	45.5	5.8	1.6	241	283	65	89	E	5	E	3	6	3	—	7.4	35	Fine.
15	30.16	29.96	51.0	50.8	54.1	44.4	3.0	1.8	299	325	80	87	E	3	SE	3	8	9	—	3.3	34	Fine.
16	29.90	75	52.2	48.7	56.6	47.3	2.4	0.3	328	336	84	97	SE	1	Calm	0	9	9	—	1.3	40	Cloudy.
17	66	59	49.0	48.0	54.1	45.2	0.0	1.0	348	309	100	93	Calm	0	SE	2	10	8	01	0.4	34	Cloudy. 6.30p.-7.30p.
18	58	26	50.9	49.4	56.9	39.4	2.5	0.2	310	349	84	98	W	3	SW	1	4	10	41	3.7	28	Bright a. Dull, with n.
19	22	28	47.8	42.8	50.1	42.8	0.9	0.9	311	256	93	93	NW	3	NNW	4	10	9	20	0.1	34	showers.
20	34	37	45.5	49.1	49.1	38.1	0.7	0.2	289	344	95	98	NNW	4	NE	3	10	9	07	0.4	30	Cloudy.
21	62	76	51.7	49.5	54.5	46.6	1.0	0.5	357	341	93	96	E	4	NE	3	9	9	—	2.8	37	Dull.
22	76	76	51.3	50.7	52.8	48.5	1.1	0.7	349	352	92	95	E	5	ESE	4	10	10	01	—	39	Cloudy.
23	68	68	50.9	46.1	50.9	43.0	1.8	1.1	327	286	88	92	ENE	3	E	3	10	9	04	—	38	showers a. Overcast.
24	66	64	48.1	48.8	49.2	45.0	2.5	1.6	275	305	82	88	SE	4	E	4	10	10	05	—	33	showers a. Overcast.
25	72	81	48.6	47.8	49.1	46.6	2.6	1.2	280	303	82	91	E	3	E	1	9	9	—	—	41	Dull.
26	87	86	50.0	48.9	50.4	46.7	1.8	0.9	314	323	87	94	E	2	E	2	4	10	01	0.5	39	Dull.
27	79	69	49.4	48.1	49.8	46.5	1.6	3.1	312	262	90	78	E	3	E	5	9	10	—	—	38	Dull.
28	57	55	48.8	45.4	49.2	45.4	4.4	1.1	245	278	70	92	E	4	E	2	9	9	02	—	40	Dull.
29	59	61	47.3	40.3	48.4	39.2	0.5	0.2	314	245	97	99	E	1	NE	2	9	6	08	—	40	showers.
30	72	29.74	47.3	43.4	49.9	38.3	1.4	3.3	292	213	90	76	NE	2	NE	2	5	6	02	2.2	29	showers.
31	29.43	28.59	42.5	48.5	48.5	38.1	2.9	1.0	213	316	78	93	S	4	SWbyW	8	9	9	20	—	29	Overcast. n.
M.	29.707	29.669	50.5	48.4	54.7	44.5	2.0	1.3	320	311	87	91	3.3	3.2	7.7	7.4	3.02	80	35.9			

## DOUGLAS, ISLE OF MAN, a.—OCTOBER 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	—	7.3	43	☁ a. Very fine.	
2	29.72	29.55	58.0	56.0	60.5	55.6	1.8	0.0	427	449	88	100	SSE	3	SW	1	9	1.643	1.5	55	☁ Cloudy a. • from 2p.	
3	29.71	29.59	50.7	55.5	56.5	48.0	4.3	1.6	266	395	72	89	W	4	WSW	5	4	—	4.2	45		
4	30.14	30.17	55.8	56.3	61.7	54.0	1.7	2.7	396	377	89	83	WSW	4	W	3	9	—	2.3	51	☁ Cloudy and squally.	
5	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	NW	1	9	☁	6.9	51	☁ a. Very fine.	
6	30.20	30.09	58.0	48.0	60.6	47.6	3.0	0.9	380	304	81	94	SE	1	WNW	1	1	☁	6.0	44	☁ a. ≡ 10a. - 2p. Fine.	
7	29.94	29.81	52.7	54.0	57.6	45.5	0.3	0.3	390	409	98	98	SE	2	Calm	0	10 ≡	☁	0.9	42	Dull, with m.	
8	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	—	4.3	40	☁ a. Dull a. ≡	
9	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	—	—	45	☁ a. Dull.	
10	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	10 ≡	0.85	41	≡ till 10.30a. ☁ Cloudy.	
11	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	—	2.6	49	☁ a. Gloomy from noon.	
12	29.48	29.80	48.8	47.8	52.5	45.5	4.0	4.5	253	232	73	70	NW	3	NNE	8	4	—	8.3	43	☁ a. Fine. Stormy from 6p.	
13	30.12	30.26	47.3	47.0	51.3	45.3	4.3	3.3	230	247	71	77	NE	8	NE	5	6	—	7.8	43	☁ Stormy morning.	
14	29.73	29.56	57.5	58.4	63.0	50.6	1.1	1.2	439	451	93	92	E	2	SE	2	6	—	7.0	43		
15	30.07	29.89	52.0	52.0	57.5	45.5	4.5	3.0	277	310	72	80	E	5	ESE	8	7	—	7.5	47		
16	29.87	29.76	51.8	52.8	54.8	50.0	2.5	0.9	321	374	83	93	E	5	E	2	9	10 ≡	0.10	48	Dull.	
17	29.68	29.70	50.0	49.0	56.4	49.0	1.0	1.0	334	322	93	93	NNE	3	NW	1	9	1.0	—	3.1	48	Drizzling • showers a. [7.30p.
18	29.59	29.34	53.6	48.2	55.4	45.5	2.0	0.2	355	332	86	99	S	3	W	1	9	8	4.04	1.3	41	☁ a. • 10a. - 2p. • 5.30p.
19	29.41	29.50	45.1	53.7	44.0	2.3	2.1	302	252	84	84	NNW	3	NNW	2	9	8	1.17	1.5	42	☁ showers. < after 10p.	
20	29.51	29.50	47.0	46.0	52.0	40.5	3.8	1.6	237	274	74	89	NNW	3	NNW	5	3	9	0.66	5.1	37	☁ showers. < 4.30p.
21	29.59	29.71	51.2	53.4	55.0	45.2	1.5	1.9	338	356	90	88	E	1	E	3	9	10	—	3.9	43	Fine. < after 8.30p.
22	29.73	29.69	53.8	52.0	55.0	50.0	3.3	0.9	325	304	78	94	E	3	E	3	4	10	0.10	3.7	47	Fine. Dull after 3p.
23	29.67	29.63	50.2	49.2	53.2	48.8	1.2	3.2	332	274	92	78	E	3	E	7	10	10	—	1.0	47	Dull and cloudy.
24	29.61	29.60	49.9	50.2	51.0	47.9	2.9	2.1	287	310	81	86	E	6	E	6	10	10	—	—	47	Squally and overcast.
25	29.69	29.79	50.4	50.5	51.8	49.7	2.7	1.5	298	328	82	89	E	5	E	5	9	10	—	—	48	Squally and overcast.
26	29.84	29.80	51.0	52.0	53.1	50.0	2.0	2.3	323	328	86	84	E	5	E	6	9	10	—	0.3	49	Dull.
27	29.71	29.60	50.5	50.0	53.6	49.0	3.4	3.4	283	278	78	78	E	6	E	8	4	10	—	3.2	48	☁ Cloudy and squally.
28	29.55	29.55	49.4	49.2	51.2	48.0	4.4	2.8	251	283	71	81	E	5	E	5	7	10	—	—	46	Dull and gloomy.
29	29.60	29.70	50.3	47.8	52.3	47.4	2.0	1.6	314	293	86	88	E	1	NE	2	10	10 ≡	0.20	—	46	Dull. Drizzling • 6p. - 10.30p.
30	29.77	29.79	49.0	46.4	50.3	42.5	3.0	2.5	276	259	79	83	NE	3	NE	1	6	10	—	2.4	40	☁ Cloudy.
31	29.54	29.74	45.2	52.4	54.0	45.0	3.0	1.9	235	343	78	88	WSW	3	W	10	9	10 ≡	0.80	—	38	☁ a. • 1p. - 8p.
M.	29.749	29.708	51.6	50.7	55.2	47.5	2.6	1.9	320	326	83	87	3.3	3.7	7.3	7.0	3.385	93	45.1			

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—OCTOBER 1910.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +.023 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.					Humidity.					Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin-ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
								Dep. of Wet.		Vapour Pressure.		Percentage.													
								9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.									9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	29.54	59.0	60.8	67.0	43.3	3.3	2.4	.399	.455	80	85	SSE	7	—	3	4	10	ins.	hrs.	°			
2	29.70	29.54	59.0	60.8	67.0	43.3	3.3	2.4	.399	.455	80	85	SSE	7	—	3	4	10	—	7.5	39		Fine. Misty n.		
3	43	1.15	60.6	60.2	65.0	55.7	3.4	2.2	.421	.450	80	87	SE	12	SSE	4	5	10	5.20	3.5	55		Fine. ● 10.30 p.		
4	30.06	30.10	52.6	55.3	49.5	5.4	2.3	.605	.372	67	85	W	18	SW	8	8	10	10.10	3.0	47			Fine.		
5	14	1.13	55.6	50.5	57.8	54.5	1.6	1.7	.396	.406	89	89	SW	10	SW	7	10	10	—	—	54			Overcast.	
6	30.11	30.02	49.2	67.0	53.0	3.6	0.7	.371	.332	78	96	WSW	6	—	1	2	0	—	—	7.6	50			Fine.	
7	8.90	29.73	48.0	52.2	62.4	44.0	1.0	0.5	.309	.377	93	97	—	0	—	2	3	0	10.10	7.0	43			Fine. Misty n.	
8	62	29.73	53.0	59.0	44.3	1.2	1.6	.323	.358	91	89	—	1	—	2	10	0	—	—	0.7	41			Cloudy and mild.	
9	65	60	50.0	51.3	61.0	48.3	1.2	0.7	.329	.360	92	95	—	1	—	1	8	8	—	5.7	42			Fine.	
10	36	36	51.0	47.5	52.2	44.5	1.7	2.2	.331	.276	88	84	—	2	—	1	10	10	—	—	42			Overcast.	
11	36	36	51.0	47.5	52.2	44.5	1.7	2.2	.331	.276	88	84	—	2	—	1	10	10	—	—	42			Sunny through mist.	
12	32	29.59	47.0	50.0	51.0	59.8	5.0	4.5	.391	.333	87	89	SW	4	W	4	8	10	4.20	0.9	47			● 1p.-2p. Mist and ● 6p.-8p.	
13	29.99	30.14	48.4	47.5	50.0	45.1	4.0	4.5	.233	.255	73	71	NW	7	N	15	10	10	—	0.1	44			Dull and cloudy.	
14	30.16	30.16	50.5	40.3	53.2	44.0	5.0	4.5	.229	.228	67	70	NE	11	NE	8	8	10	—	3.2	43			Fine, but with cold wind.	
15	29.99	29.88	50.5	49.8	55.9	45.7	3.8	2.8	.281	.288	75	81	NE	11	NE	11	5	0	—	7.7	39			Fine.	
16	32	70	49.6	51.0	56.0	45.1	2.3	1.4	.298	.338	84	90	NE	4	E	6	9	10	—	6.7	43			Fine.	
17	56	58	50.0	51.2	52.5	47.5	1.7	1.2	.317	.345	88	92	NE	8	—	2	10	10	0.95	—	44			Cloudy a., then fine.	
18	58	28	49.0	50.0	53.3	43.3	0.8	1.0	.335	.334	95	93	—	2	SW	4	10	10	1.120	—	44			Overcast.	
19	23	27	49.0	46.2	51.0	46.0	2.0	3.2	.298	.242	86	78	NW	5	N	4	10	10	0.17	0.1	45			Cloudy. ● 2p.-10p.	
20	36	34	44.0	46.0	48.8	37.7	4.0	2.0	.205	.265	71	86	NW	4	—	1	5	10	0.165	2.5	32			Dull. ● noon.	
21	65	65	51.0	55.3	47.3	2.0	2.2	.303	.318	86	85	—	2	E	5	10	10	0.10	0.5	43				Cloudy. ● 8p.-10p.	
22	65	51.0	55.3	47.3	2.0	2.2	.303	.318	86	85	—	2	E	5	10	10	10	0.10	0.5	43				Cloudy till 10a.	
23	54	51.0	48.0	53.4	46.0	3.3	2.0	.292	.285	78	86	NE	8	ENE	12	7	4	—	5.2	41				Cloudy. ● shower 5p.	
24	54	54	48.0	50.0	49.7	46.5	3.6	3.0	.255	.286	75	80	ENE	7	E	7	10	10	—	—	44			Fine.	
25	66	74	50.0	50.0	50.5	47.5	2.8	2.0	.280	.309	80	86	ENE	6	ENE	4	10	10	0.10	0.10	46			Dull and overcast.	
26	78	74	50.0	50.0	52.2	48.3	3.0	3.0	.286	.286	80	80	ENE	8	NNE	7	8	—	—	0.1	45			Overcast.	
27	66	53	49.3	48.0	50.8	46.3	3.3	3.0	.273	.263	77	79	NE	7	NE	10	4	10	—	0.4	43			Cloudy and misty.	
28	42	45	49.0	46.7	50.0	46.0	4.0	1.3	.255	.289	73	91	E	10	NNE	4	7	10	0.450	—	45			Misty. ● 8.50a.	
29	51	58	49.0	46.5	50.3	45.5	1.8	2.7	.303	.255	87	82	—	2	—	3	10	10	0.15	—	44			Cloudy. ● 2p.-midnight.	
30	65	29.68	44.5	46.2	49.0	39.3	2.1	4.6	.246	.210	84	70	NNE	4	N	4	10	5	—	0.2	35			Overcast and mild.	
31	29.51	28.75	45.0	48.5	48.5	40.0	2.7	1.0	.239	.316	80	93	—	2	SW	20	8	10	1.210	—	33			Drizzling ● Sa. Cloudy.	
M.	29.66	29.62	50.4	50.5	55.2	46.0	2.8	2.3	.301	.314	81	85	—	6	—	6	7.8	8.2	4.052	71	42.8				Cloudy. ● from 3p.

## SHREWSBURY, SHROPSHIRE.—OCTOBER 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.						
							Dep. of Wet.		Vapour Pressure.										Percentage.					
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.
1	ins.	29.86	29.71	60.0	58.5	69.0	45.6	3.3	0.4	415	478	30	98	SSE	3	SSE	2	0	10	ins.	hrs.	41	Bright till 4p. $\nabla$ 5.25p.	
2	ins.	29.60	29.29	61.1	58.0	67.0	55.9	3.0	1.0	441	451	32	93	S	4	SSE	1	7	10	31	—	41	Cloudy till 3p., then $\bullet$ shower	
3	ins.	29.85	30.15	54.0	54.1	58.9	49.6	6.0	2.1	267	359	64	85	NW	3	NW	3	6	10	43	—	51	Fine.	
4	ins.	30.27	29.57	52.0	62.0	51.9	2.9	1.0	394	361	82	93	NNW	1	NW	3	8	0	—	—	—	47	Cloudy.	
5	ins.	30.31	30.57	50.0	63.6	48.2	3.9	0.8	354	339	76	94	NW	3	NW	1	6	0	—	—	—	44	Fine.	
6	ins.	30.17	53.0	47.1	65.4	41.9	1.0	0.1	374	322	93	99	W	1	Calm	0	10	0	—	—	—	38	Bright from 10a. Misty a.	
7	ins.	30.05	29.90	51.2	42.9	57.0	42.2	0.4	0.0	366	276	98	100	SSE	2	SSW	1	10	0	—	—	48	Misty till 10a. Cloudy.	
8	ins.	29.80	29.77	49.9	55.0	60.0	41.6	0.5	1.1	346	400	97	92	Calm	0	NW	2	10	10	—	—	39	Misty a. Dull day.	
9	ins.	29.82	29.83	51.0	51.0	58.4	46.5	1.1	2.1	346	321	92	85	SW	1	NW	1	10	10	—	—	42	Dull.	
10	ins.	29.81	29.83	47.9	52.5	62.0	38.2	0.9	0.5	310	381	94	96	SE	1	SE	1	7	0	04	—	36	Dull and cloudy.	
11	ins.	29.56	29.44	55.9	49.0	59.7	48.9	0.9	0.6	420	332	94	96	SE	2	NW	2	8	10	51	—	47	Cloudy. $\bullet$ from 0.30p.	
12	ins.	29.50	29.68	49.0	48.4	52.0	46.1	3.6	2.4	263	281	75	83	NW	3	NW	3	9	10	07	—	46	Dull. $\bullet$ from 2.30p.	
13	ins.	30.05	30.23	49.5	46.4	53.0	45.2	3.9	3.4	263	240	74	77	NE	4	NE	3	8	—	—	—	46	Dull.	
14	ins.	30.27	30.26	50.0	44.0	55.8	43.9	4.2	1.9	261	246	73	85	E	3	E	1	8	3	—	—	40	Bright.	
15	ins.	30.09	29.99	49.0	50.0	54.7	37.4	3.0	1.1	276	332	79	92	E	2	SE	1	7	10	—	—	42	Dull.	
16	ins.	29.95	29.82	49.9	53.0	58.0	46.9	0.9	2.1	335	345	94	85	SE	1	SE	1	10	10	16	—	43	Dull.	
17	ins.	29.74	29.79	51.4	51.3	54.3	48.6	0.4	2.3	369	319	97	84	ENE	3	NW	2	10	4	15	—	48	$\bullet$ showers till noon.	
18	ins.	29.76	29.50	53.1	53.0	55.7	43.3	2.3	2.9	341	325	84	81	SW	3	SSW	3	7	8	06	—	39	$\bullet$ afternoon. $\nabla$ 11p.	
19	ins.	29.44	29.46	51.0	45.5	53.0	45.0	2.3	0.5	316	293	84	96	NW	2	NW	1	8	10	64	—	42	$\bullet$ showers.	
20	ins.	29.53	29.44	47.0	47.6	50.7	39.6	3.9	2.4	207	273	72	83	NNW	3	NNW	3	0	9	00	—	37	Bright a., then dull.	
21	ins.	29.64	29.74	46.3	47.5	57.9	44.0	0.7	0.4	297	318	95	97	NNW	1	NNW	1	8	10	00	—	38	Bright a. Cloudy afternoon.	
22	ins.	29.77	29.77	49.0	49.2	54.8	43.9	0.8	0.4	327	340	94	98	NNE	1	Calm	0	9	10	—	—	39	Dull.	
23	ins.	29.74	29.69	48.2	47.0	52.0	40.9	1.1	2.2	310	271	93	85	SE	2	SE	2	10	10	—	—	42	Dull.	
24	ins.	29.66	29.65	47.1	47.1	50.6	46.0	2.1	0.9	274	302	85	93	SE	1	SE	2	10	0	—	—	45	Dull. Fine evening.	
25	ins.	29.73	29.44	49.0	50.5	51.0	45.8	0.8	0.5	327	354	94	96	SE	3	SE	2	10	10	06	—	41	Dull a., then $\bullet$ showers.	
26	ins.	29.90	29.86	50.0	51.7	53.0	49.0	0.6	1.7	345	339	96	88	SE	2-3	SE	2	10	10	—	—	49	Dull.	
27	ins.	29.78	29.63	49.1	47.9	52.0	47.2	1.4	2.1	314	282	90	86	E	2-3	E	3	10	10	16	—	48	Overcast.	
28	ins.	29.56	29.60	44.2	46.1	48.1	44.1	0.0	0.0	290	312	100	100	ENE	2	NW	1	10	10	—	—	45	$\bullet$ most of day.	
29	ins.	29.66	29.73	47.0	49.0	50.4	45.3	0.0	1.3	323	315	100	91	NNW	1	NW	1	10	10	—	—	45	Dull and misty.	
30	ins.	29.78	29.82	44.0	44.7	49.4	41.1	1.2	1.6	241	259	91	88	NNE	1-2	NNE	1	10	10	—	—	41	Dull.	
31	ins.	29.71	29.71	43.0	49.0	49.0	40.5	1.0	1.8	255	303	92	87	NNW	1	SW	6	7	10	21	—	39	Dull. $\bullet$ shower 4.30p. $\bullet$ n.	
M.	ins.	29.818	29.782	50.3	49.6	56.1	45.2	1.9	1.3	322	325	88	91	20				18	8.2	7.3	3.045	—	42.7	

## CAMBRIDGE, a.—OCTOBER 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.19 in.

1	30.10	29.94	56.0	61.0	70.0	44.7	0.0	1.0	449	503	100	94	SE	2	ESE	2	10	0	12	4.0	39	≡ early a. Sunny 10a.—2p. $\bullet$ n.
2	29.88	29.63	59.2	60.0	72.0	56.0	1.2	4.0	464	395	93	76	S	1	S	6	4	2	0.3	7.6	49	Fine. $\bullet$ showers 7 p.
3	29.98	30.32	56.0	49.0	60.6	48.8	5.8	2.6	299	285	66	82	WSW	5-6	W	2	9	0	—	7.4	46	1a.—2a. Fine. Clear n.
4	30.42	43	55.6	55.8	65.0	46.1	2.6	2.7	369	370	83	83	W	3	SW	1	6.0	9.0	—	2.6	40	Sunny a. $\bullet$ 3p.
5	30.44	43	57.8	50.0	65.0	47.0	2.8	0.3	395	353	82	98	W	1	Calm	0	8.0	9.0	—	2.5	41	Sunny a. Clear n.
6	30.42	34	49.0	50.4	64.0	46.0	0.0	0.9	348	344	100	94	Calm	0	Calm	0	10.0	9.0	0.1	5.2	42	≡ 6a.—9a. Sunny till 5p.
7	30.24	30.07	55.7	55.5	67.0	42.9	0.2	1.8	348	390	99	88	E	1	ENE	2	7.0	10	—	7.8	34	≡ past n. Sunny till 5p.
8	29.93	29.90	56.0	49.9	59.0	49.9	1.0	1.0	419	333	93	93	SE	1	Calm	0	10.0	0	—	—	47	Overcast and gloomy.
9	29.99	29.99	54.0	53.4	58.3	49.0	1.3	0.4	380	397	91	97	W	1	Calm	0	10.0	0	—	—	41	Overcast and gloomy.
10	29.80	29.82	53.2	54.0	65.0	51.0	0.3	1.7	397	368	98	88	SW	1	SE	1	10	0	0.5	3.3	49	Gloomy till noon.
11	29.80	29.61	57.8	56.2	62.4	49.0	1.5	1.0	433	422	90	93	S	3	SW	1	9	10.0	1.37	42	Overcast. $\bullet$ 7p.—11p.	
12	29.56	29.73	48.9	53.0	57.0	48.4	0.9	1.0	323	374	94	93	NNW	3	N	2	10.0	0	20	49	≡ past n. $\bullet$ noon—4p.	
13	30.09	30.29	53.8	49.4	56.4	49.0	2.5	4.0	345	259	83	73	NE	6	N	5	10	4	—	—	49	1a. n. Gloomy and squally.
14	30.42	40	51.0	46.0	54.9	45.8	5.4	2.8	247	248	66	80	NE	6-7	N	4-5	4	0	—	8.0	40	Fine, but squally.
15	30.23	23	47.5	44.6	52.4	42.0	2.2	0.6	276	280	84	95	NE	2	Calm	0	10.0	0	0.0	1.7	36	Fine a.
16	30.15	30.03	51.8	45.9	61.0	41.4	0.3	0.3	378	302	98	98	Calm	0	Calm	0	5.0	9.0	0.0	3.5	34	Fine. Misty 9p.
17	29.89	29.90	57.1	53.1	60.3	45.0	2.1	1.1	404	373	86	92	SE	4	SW	2	9	10	0.2	3.4	36	Fine.
18	30.00	29.73	51.0	54.9	60.0	44.4	2.6	0.9	309	404	82	94	SW	2	SW	2	6.0	10.0	0.0	5.3	40	Fine till 2.30p. $\bullet$ from 3p.
19	29.61	29.59	52.0	47.0	56.0	46.0	2.2	1.2	303	293	85	92	SW	2	W	1	8	9	0.1	2.5	39	Fine a., then $\bullet$ showers.
20	29.59	29.64	45.0	46.0	51.5	43.0	1.5	1.9	264	267	89	87	NNW	3-4	N	1	9.0	10	—	1.1	40	Cloudy and very cold.
21	29.76	29.87	46.0	52.0	58.0	41.0	0.0	0.7	311	343	100	88	N	2	N	2	10	9	—	2.1	34	≡ 6a.—8a. Sunny p.
22	29.90	29.85	50.0	46.2	53.8	45.9	1.8	0.2	314	308	87	99	NE	1	N	1	10.0	0	—	—	42	Gloomy.
23	29.82	29.83	48.1	48.9	52.0	47.1	2.0	1.2	309	307	86	92	N	2	N	2	10.0	10	—	—	35	Gloomy.
24	29.92	30.03	51.3	51.5	52.0	47.8	1.8	1.5	332	344	83	89	SE	1	N	1	10	0	—	—	44	Gloomy.
25	30.09	30.06	53.2	50.1	57.4	50.0	1.2	1.5	371	323	92	89	E	2	N	2-3	9.0	10	—	—	41	Gloomy.
26	29.95	30.06	51.0	50.2	52.0	48.0	2.0	2.2	323	307	86	85	NNE	2	NE	4	10.0	10	—	3.5	47	Gloomy.
27	29.68	29.77	47.0	47.3	57.3	40.0	0.0	0.3	323	319	100	98	N	1	SW	1	10.0	10	0.1	1.4	45	≡ early a. $\bullet$ 8a.—11a. Cloudy.
28	29.81	29.82	48.1	50.7	51.0	45.0	0.5	0.8	324	350	96	94	W	1	N	3	10	0	—	—	42	Gloomy till 4p.
29	29.85	29.89	50.0	47.4	52.0	47.0	2.3	2.9	302	260	84	81	N	3-4	N	2-3	10.0	2	0.2	43	Gloomy. $\bullet$ 2p.	
30	29.85	29.43	45.1	45.0	47.0	43.0	1.4	2.4	267	245	89	82	NW	2	S	4-5	10.0	10.0	3.6	39	Sunny till 1p., then overcast.	
M.	29.975	29.949	51.9	50.7	58.4	46.1	1.7	1.5	346	334	89	89		2.2		1.9	5.6	2.75	72	41.7		

† Beaufort Scale (0—12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—OCTOBER 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., —8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.				
1	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	ins.	hrs.	°	
2	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. $\nabla$ 3p.
3	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
4	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
5	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
6	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
7	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
8	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
9	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
10	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
11	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
12	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
13	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
14	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
15	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
16	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
17	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
18	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
19	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
20	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
21	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
22	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
23	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
24	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
25	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
26	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
27	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
28	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
29	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
30	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
31	ins.	29.87	29.76	61.7	60.0	66.0	50.3	3.2	1.1	443	480	81	93	Calm	0	SE	1	0	10	17	5.6	43	Bright a. Heavy wind 4p.
M.	ins.	29.800	29.769	51.8	50.5	56.5	46.3	1.8	1.3	343	337	88	91	17	19	7.4	7.3	2.76	58	42.6			

## SOUTHAMPTON, HAMPSHIRE, a.—OCTOBER 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +0.016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.				
							Dep. of Wet.	Vapour Pressure.	Percentage.													
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	60.8	61.0	66.0	48.6	1.7	0.9	in.	in.	%	%	SE	3	SE	†	ins	hrs.	°	Cloudy.		
2	30.03	29.89	60.8	61.0	66.0	48.6	1.7	0.9	in.	in.	%	%	SE	3	SE	†	1.12	1.3	42	Cloudy. Strong wind and		
3	29.85	29.67	60.3	57.0	67.0	55.7	1.3	3.2	48.0	37.2	92	80	SE	4	SW	6	7	8	1.8	47		
4	30.10	30.38	57.2	50.4	61.0	50.2	6.0	2.3	28.7	30.8	61	85	NW	5	W	3	1	0	7.4	46		
5	47	45	56.0	54.0	67.9	45.4	1.9	1.4	39.4	37.7	88	90	W	2	NW	2	2.00	0.00	—	6.2	36	
6	45	40	58.7	55.9	68.0	47.7	3.6	1.8	38.7	39.5	78	89	NW	3	NW	2	0.00	0.00	—	7.2	39	
7	39	30.29	55.4	53.5	66.0	53.4	2.0	1.3	38.2	37.3	87	90	NE	3	NE	3	10.00	0.00	—	3.1	46	
8	30.17	29.99	59.1	54.0	66.5	48.8	3.2	1.8	40.3	36.6	80	87	NE	3	NE	3	1.00	0.00	—	8.4	40	
9	29.90	29.70	56.4	50.5	62.9	52.3	2.1	2.4	39.3	38.7	87	85	NE	2	NE	2	9.00	10.00	—	1.0	48	
10	98	99	55.5	56.1	60.0	53.9	1.8	1.9	39.0	39.6	88	87	NE	0.5	NE	0.5	10	10	—	—	47	
11	97	90	56.2	56.5	64.7	48.9	2.0	1.1	39.4	42.4	87	93	SW	0.5	SW	1	4	0	0.30	3.3	37	
12	78	53	60.2	56.0	64.0	55.6	2.2	0.6	45.0	43.1	87	96	SW	2	SE	4	10	10	7.80	0.7	50	
13	55	29.62	48.5	49.9	56.4	47.4	1.0	1.1	41.6	33.1	93	93	NW	4	NE	5	10	10	1.200	—	48	
14	29.97	30.11	56.8	49.0	57.0	48.4	1.5	3.0	41.7	27.6	90	79	NE	3	NE	6	10	10	5.30	—	49	
15	30.23	30	48.5	50.7	52.9	45.4	1.3	1.2	38.0	34.0	90	92	NE	5	E	3	10	10	1.80	—	47	
16	11	30.14	48.4	52.7	57.1	45.5	2.2	0.9	28.6	37.3	84	94	NE	5	SE	3	10	1	0.40	2.4	43	
17	30.07	29.92	58.3	55.0	60.3	51.8	2.9	1.3	40.0	39.5	81	91	SE	2	SE	5	10	0	1.10	1.7	48	
18	29.87	29	56.0	53.6	59.9	53.3	1.9	2.6	39.4	33.9	88	82	SW	4	NW	4	8	8	0.30	1.2	51	
19	29.62	29	52.8	48.6	57.4	48.3	2.5	1.8	35.7	39.0	84	92	SW	3	SW	3	2	10	1.90	1.3	41	
20	55	65	45.6	43.2	52.6	43.0	0.9	1.9	28.6	23.8	94	85	NE	4	NW	2	10	0	0.30	2.2	40	
21	71	79	47.0	51.2	54.9	41.0	1.9	1.2	27.7	34.5	87	92	NE	4	SE	2	10	10	0.50	—	31	
22	85	89	50.1	47.2	53.6	47.2	1.6	0.8	32.1	30.5	89	95	SE	1	NE	2	10	0	—	—	44	
23	83	75	51.3	48.9	58.0	45.4	1.5	1.9	33.9	29.9	90	87	NE	2	NE	4	2	0	—	6.1	41	
24	72	74	51.3	49.2	57.0	46.9	3.7	1.7	28.7	30.8	76	89	NE	4	NE	1	0.00	8	—	7.1	43	
25	29.84	29	54.5	54.5	58.0	49.1	1.6	1.4	37.9	38.4	89	91	ENE	2	SE	3	10	4	0.20	—	48	
26	30.00	29	53.5	52.9	62.0	52.7	1.0	2.8	38.2	32.6	93	82	SE	2	SE	3	10	3	—	1.6	52	
27	29.81	29	54.4	50.7	57.0	50.4	2.5	1.4	35.3	33.4	83	90	NE	4	SE	3	9	10	4.80	—	48	
28	60	72	55.0	50.9	61.5	49.7	1.4	0.8	39.2	35.1	91	95	SW	3	SW	2	10	0	—	2.2	49	
29	76	79	51.9	48.9	56.3	47.8	0.9	1.6	36.2	30.7	94	89	NE	2	NE	3	10	0	—	1.6	42	
30	79	86	50.4	48.2	52.1	48.1	2.3	3.1	30.8	26.3	85	79	NE	2	NE	4	10	8	—	—	45	
31	29.85	29.57	46.2	50.7	54.1	44.5	2.3	4.1	26.1	27.1	84	74	NE	2	SW	4	10	10	3.20	2.6	42	
M.	29.930	29.909	53.9	52.3	59.7	48.9	2.1	1.8	36.1	34.9	86	88				2.8	3.0	7.2	4.9	4.136	72	44.2

## PLYMOUTH, DEVONSHIRE, a.—OCTOBER 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.015 in.

1	29.91	29.83	61.0	59.0	63.0	54.8	0.6	0.5	51.7	48.4	96	97	E	15	SSE	14	10	9	14	0.2	50	Overcast, with showers.
2	29.70	29.79	60.0	55.0	63.0	54.9	1.0	2.0	48.5	37.5	94	87	S	24	WSW	29	8	10	14	0.6	56	Overcast, with showers.
3	30.15	30.38	57.0	52.0	60.0	51.2	6.3	2.9	29.8	31.3	64	81	NNW	10		1	4	7	14	0.6	56	Fine.
4	46	46	58.0	56.0	64.3	45.5	3.0	1.4	39.3	40.8	81	91	N	8	NW	4	9	7	14	0.6	56	Fine.
5	40	37	60.1	55.0	65.7	55.0	3.1	1.0	42.2	40.3	81	93	N	8	N	4	2	8	14	0.6	56	Fine.
6	32	30.22	55.0	58.0	64.0	47.8	1.1	2.0	40.0	42.1	92	87		0		1	10	8	14	0.6	56	Fine.
7	30.08	29.93	59.0	55.0	63.0	52.7	2.0	3.0	43.6	34.9	88	81	E	9	E	5	6	7	14	0.6	56	Cloudy a., then sunny.
8	29.86	29	51.4	50.3	63.7	48.1	1.4	2.0	34.3	39.5	90	87		3		1	10	9	14	0.6	56	Cloudy, then sunny.
9	93	94	53.1	56.0	64.2	45.8	1.8	4.0	35.4	34.0	87	75		0	SW	4	3	0	14	0.6	56	Fine.
10	90	79	50.1	58.0	61.0	53.1	0.1	0.3	36.0	47.3	99	98	S	7	SW	15	10	10	14	0.6	56	Overcast.
11	71	51	55.0	54.1	60.0	54.1	0.0	2.7	43.3	34.3	100	81	S	11	NNW	12	10	10	14	0.6	56	Overcast. in evening.
12	62	29.73	52.0	49.1	54.1	46.0	3.0	4.1	31.0	25.4	80	72	N	12	N	11	10	10	14	0.6	56	Overcast. in evening.
13	29.93	30.05	55.0	55.0	55.5	46.8	1.8	3.0	38.1	34.9	88	81	NE	18	NE	27	8	10	14	0.6	56	Overcast and sultry.
14	30.10	30.17	51.2	54.0	58.1	47.9	0.0	0.8	37.7	39.4	100	94	E	20	E	15	7	7	14	0.6	56	showers. Cold wind.
15	30.03	29.96	50.0	54.9	57.3	46.4	1.8	1.5	31.4	38.8	87	91	NE	6	ESE	15	10	9	14	0.6	56	all day.
16	29.90	29	55.5	56.0	58.0	54.1	1.4	1.1	40.0	41.6	91	92	SE	20	ESE	10	10	10	14	0.6	56	showers.
17	82	97	55.0	55.0	59.5	53.0	0.5	0.7	41.8	41.2	97	95	W	7	WNW	4	7	7	14	0.6	56	showers a.
18	95	76	56.0	55.0	57.3	45.5	1.9	1.2	39.4	39.7	88	92	S	18	WSW	15	8	9	14	0.6	56	Overcast, with drizzling.
19	65	70	53.7	51.0	57.0	50.1	2.7	1.3	33.8	34.1	82	91	W	9	NW	8	6	9	14	0.6	56	A few showers.
20	63	68	45.7	46.0	52.3	40.6	2.7	3.0	24.7	24.4	81	79	N	20		3	7	8	14	0.6	56	Bright and sunny.
21	71	77	47.3	51.0	58.0	39.9	1.1	3.0	29.9	29.9	92	80		1	N	6	8	8	14	0.6	56	Fine and sunny, but cool.
22	78	78	52.0	51.2	54.7	49.3	2.1	2.6	33.3	31.1	85	83	E	11	E	5	8	0	14	0.6	56	Dull.
23	70	64	52.8	52.7	54.5	45.0	1.8	2.7	35.0	32.6	87	82	ESE	7	E	16	10	7	14	0.6	56	Dull a. Sunny afternoon.
24	61	62	53.0	53.4	54.6	48.9	2.8	2.2	32.7	34.7	81	85	E	13	E	11	5	7	14	0.6	56	Cloudy.
25	72	81	55.0	53.0	58.0	52.1	0.7	1.0	41.2	37.4	95	93	E	13	E	7	10	6	14	0.6	56	Overcast, with drizzling.
26	82	77	58.0	58.2	60.2	52.1	2.0	2.2	42.1	41.8	87	86	NE	21	E	23	8	7	14	0.6	56	Sunny a. Cloudy afternoon.
27	63	77	55.0	55.0	58.2	54.7	1.0	1.6	40.3	38.6	93	89	E	30	E	12	10	10	14	0.6	56	Squally a., then showers.
28	58	61	53.4	56.0	61.0	50.5	0.4	1.0	39.7	41.9	97	93		2	ESE	9	10	8	14	0.6	56	Sunny afternoon.
29	68	71	58.0	52.1	59.4	52.0	1.9	1.3	42.4	35.5	88	91	ESE	9	ESE	9	7	9	14	0.6	56	Fine and sunny.
30	78	85	51.1	48.8	52.5	48.8	3.8	3.8	28.2	25.7	75	74	NE	13	N	10	8	8	14	0.6	56	Cloudy.
31	29.84	29.56	48.0	52.1	52.1	43.6	3.6	0.8	25.1	36.8	84	74	N	8	SW	25	6	10	14	0.6	56	Cloudy.
M.	29.867	29.857	54.1	54.0	59.0	49.4	1.9	2.0	37.2	36.6	88	87				11	11	7.9	8.0	5.69	98	45.3

\* Miles per hour.

† Beaufort Scale (0—12).

## ARMAGH, a.—OCTOBER 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.	Vapour Pressure.		Percentage.													
9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.	hrs.	°					
1	ins.	ins.	58.7	59.0	65.4	49.5	2.2	1.3	426	458	86	92	S	9	SSE	10	10	10	—	ins.	hrs.	°	
2	29.70	29.53	58.7	59.0	65.4	49.5	2.2	1.3	426	458	86	92	S	9	SSE	10	10	10	—	3.9	41		Fine.
3	29.70	29.41	58.8	59.0	60.0	50.0	3.4	0.7	394	342	79	95	S	10	—	2	10	10	312	0.9	52		● most of day.
4	30.19	30.08	51.4	52.5	57.1	45.0	3.1	1.7	302	249	80	89	SW	4	SW	7	9	0	—	3.1	40		Fine.
5	33	32	50.1	55.0	62.8	52.5	2.1	3.7	390	332	86	77	SW	9	SW	5	7	8	—	0.8	49		Cloudy and dry.
6	30.28	29.55	51.8	51.8	64.0	51.8	1.9	2.0	380	333	87	87	SW	4	—	2	8	4	—	4.3	50		Fine.
7	29.98	29.85	47.8	48.4	66.0	43.0	1.8	4.0	381	248	88	73	—	1	—	2	0	9	—	8.2	36		Fine.
8	38	38	53.7	48.3	57.0	48.5	1.0	0.6	308	357	93	95	SW	4	S	5	10	0	—	3.5	32		Fine.
9	32	32	50.2	48.9	52.6	45.9	0.7	2.0	392	299	95	85	—	2	—	0	10	10	—	2.2	42		Fine.
10	73	56	48.8	54.7	58.1	46.9	2.2	1.9	397	299	85	87	—	3	—	2	10	10	—	—	41		Overcast.
11	49	29.54	48.2	39.2	54.7	39.2	0.9	1.5	323	385	93	90	—	1	S	5	10	10	054	0.1	41		Overcast.
12	29.61	30.01	48.6	42.1	55.7	35.0	1.1	1.9	310	203	93	84	—	1	—	1	10	0	—	—	46		Clear from 5p.
13	30.29	30.18	45.7	40.0	51.0	38.3	2.7	2.8	278	211	82	79	—	2	—	3	0	0	—	9.1	29		Very fine.
14	34	30.26	47.9	47.0	54.3	40.0	3.0	2.4	222	200	72	81	NE	7	NE	4	2	0	—	7.2	31		Very fine, but cold.
15	30.14	29.91	48.4	50.4	55.0	43.6	2.0	2.3	264	268	80	84	NE	6	—	3	4	0	—	5.2	33		Very fine, but cold.
16	29.86	30.1	51.8	47.0	59.5	47.0	2.2	3.2	286	287	84	79	NE	5	E	7	8	10	—	6.6	35		Fine. < 6p.-7p.
17	78	78	51.8	47.5	55.9	46.6	2.4	1.8	343	285	84	87	E	7	—	2	10	10	—	—	37		Overcast.
18	54	42	50.0	46.2	58.0	46.2	0.7	1.5	342	280	93	87	—	1	—	3	0	3	125	6.5	39		≡ n. Very fine.
19	67	68	49.8	40.2	53.9	40.2	1.8	1.8	312	213	87	86	SE	8	—	2	10	9	057	1.3	39		● a. Fine from 10a.
20	69	79	47.2	45.3	54.0	40.8	0.4	2.5	315	247	98	82	NNW	4	NNW	4	10	10	105	2.2	42		Fine.
21	80	76	51.0	46.7	55.9	45.2	1.8	1.2	328	291	87	92	—	3	—	2	1	0	027	8.0	31		Fine.
22	65	65	52.5	49.6	54.2	46.5	3.0	3.0	317	282	80	80	E	4	E	6	7	10	—	2.3	33		Fine.
23	71	66	52.0	49.5	51.0	47.2	2.7	2.5	283	269	81	82	E	5	NE	4	10	10	—	2.7	40		Overcast from 12.30p.
24	65	62	52.1	51.0	52.4	47.0	3.6	2.5	298	311	76	83	E	6	E	5	9	10	—	0.1	45		Overcast.
25	72	82	52.0	52.4	53.0	51.0	2.0	2.6	335	326	86	83	E	7	E	8	10	10	—	0.7	46		Overcast.
26	87	81	51.8	50.5	55.0	49.2	3.7	2.3	292	309	76	84	E	11	E	9	10	10	—	4.9	48		Overcast.
27	74	61	49.6	47.5	50.5	47.5	3.9	2.5	264	269	74	82	E	7	NE	5	6	10	—	0.5	48		Fine.
28	60	60	48.6	46.1	48.9	46.0	1.4	0.1	307	310	90	99	NE	4	—	3	10	10	028	—	44		● in afternoon.
29	90	29.89	45.4	44.0	50.3	37.0	1.2	0.9	276	267	92	93	—	1	—	2	9	10	—	1.1	31		Cloudy and dry.
30	29.57	28.90	42.6	49.0	49.5	37.5	1.2	0.6	247	332	90	96	SW	8	W	10	10	10	350	—	31		Very stormy.
31	29.816	29.789	50.7	48.0	55.9	44.5	2.1	2.0	319	292	86	86	5	4	7.7	6.6	1.058	85	39.8				

## DUBLIN (PHOENIX PARK), a.—OCTOBER 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.						
							Dep. of Wet.		Vapour Pressure.										Percentage.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.	hrs.	°					
1	29.79	29.63	62.3	58.8	66.2	42.9	3.7	2.7	.442	.413	78	84	S	6	SSW	6	3	3	ins.	hrs.	°			
2	29.45	29.49	59.7	49.0	61.1	48.7	4.3	1.4	.383	.312	74	90	S	10	W	8	9	10	—	8.3	39		Fine.	
3	29.95	30.19	52.0	54.3	59.8	43.9	4.1	1.2	.285	.387	74	92	W	7	WSW	9	0	0	.575	6.4	52		● 4.40p.-8.30p.	
4	30.32	37	56.8	55.8	63.6	53.4	2.9	1.7	.377	.396	81	89	WSW	9	W	6	9	3	—	0.3	40		Cloudy.	
5	30.41	39	56.9	46.2	61.4	45.7	2.4	0.3	.392	.307	85	98	W	5	W	1	10	0	—	2.5	51		Fine, but cloudy.	
6	30.33	30.20	48.0	45.6	61.8	43.9	0.5	0.2	.322	.302	97	99	—	3	—	1	6	0	—	1.5	50		Fine, but cloudy.	
7	30.07	29.93	47.6	43.9	56.8	42.0	0.2	0.1	.326	.285	99	99	—	0	—	0	10	10	—	1.2	38		Fine.	
8	29.89	29.89	48.0	50.3	54.9	38.2	0.3	0.8	.328	.345	98	95	—	1	—	0	10	10	.010	—	36		Overcast. ● p.	
9	29.90	29.88	46.9	46.9	54.6	31.9	0.8	0.3	.301	.314	95	98	—	3	—	0	1	10	—	3.1	28		Cloudy to overcast.	
10	29.80	29.64	52.4	52.8	58.4	46.9	1.5	0.9	.353	.374	90	93	—	0	—	2	9	10	.050	—	45		Overcast. ● p.	
11	29.55	29.60	53.2	39.7	55.6	39.4	1.4	0.6	.366	.232	91	95	WSW	5	N	1	10	0	.018	—	45		● a. Overcast.	
12	29.69	29.99	43.8	40.5	53.8	33.9	1.9	2.6	.245	.257	85	82	W	4	N	8	0	3	—	7.2	29		Fine.	
13	30.25	30.37	48.9	49.9	51.9	45.5	4.4	5.5	.246	.235	71	65	NE	15	ENE	11	9	8	—	1.8	49		Fine, but cloudy.	
14	30.33	30.27	51.7	51.1	54.8	48.9	4.7	4.2	.269	.273	70	73	ENE	10	ENE	5	9	10	—	1.3	45		Fine, but cloudy.	
15	30.12	29.95	51.5	50.5	54.0	45.4	3.9	1.8	.285	.322	75	88	E	9	ESE	7	7	8	.070	1.0	39		Cloudy to overcast. ● p.	
16	29.91	29.83	52.9	49.9	55.8	47.9	1.1	0.1	.370	.356	93	100	E	8	—	1	10	5	.055	—	41		Overcast. ● showers.	
17	29.80	29.86	52.9	49.6	58.4	47.6	1.3	0.6	.364	.340	91	96	ENE	4	—	1	7	3	.017	5.2	45		Cloudy.	
18	29.62	29.52	53.3	45.1	57.7	42.7	1.5	0.4	.394	.291	90	97	S	6	—	1	10	3	.240	0.8	37		● a. and p.	
19	29.63	29.67	50.1	42.1	55.0	41.5	2.0	2.2	.311	.222	86	83	NW	6	WNW	8	9	3	.005	3.7	38		● a. Cloudy.	
20	29.70	29.74	46.9	43.1	53.8	38.4	1.8	1.5	.278	.286	88	88	WNW	5	NW	5	7	1	.016	0.0	35		● p.	
21	29.74	29.81	47.6	40.9	54.3	38.9	1.9	0.2	.284	.251	87	99	—	2	—	1	10	3	—	3.1	38		Cloudy.	
22	29.83	29.79	53.5	44.5	55.1	39.4	2.7	0.5	.336	.281	82	96	E	6	—	1	5	0	—	4.7	34		Fine, but cloudy.	
23	29.75	29.60	51.6	50.2	53.1	39.9	3.1	2.5	.304	.300	79	83	E	6	—	3	10	10	—	.02	34		Fine, but overcast.	
24	29.67	29.67	51.2	48.1	52.3	47.9	3.5	2.2	.290	.282	77	84	E	7	E	6	9	0	.005	—	44		Overcast.	
25	29.75	29.85	49.4	52.8	53.3	45.7	1.1	0.9	.325	.373	92	93	NE	4	E	5	10	10	.00	.075	—	40		● 7a. and p.
26	29.88	29.82	52.7	52.5	55.8	52.2	1.2	0.7	.365	.376	92	95	E	9	E	5	9	10	.020	1.5	50		Cloudy and overcast. ● p.	
27	29.74	29.62	52.0	51.1	54.2	50.9	1.6	2.2	.345	.320	89	84	E	8	E	12	9	10	.005	1.3	49		● a. Cloudy.	
28	29.60	29.63	50.4	48.9	51.3	47.3	3.1	2.0	.289	.299	80	86	E	12	E	4	10	10	.125	—	47		Overcast. ● p.	
29	29.71	29.80	50.8	50.9	52.9	47.9	1.0	1.2	.347	.343	93	92	—	3	ENE	6	10	10	.135	—	47		● p.	
30	29.90	29.93	46.9	45.2	51.8	44.0	1.6	1.3	.283	.271	89	90	NE	5	—	2	9	5	.008	3.3	44		● a. and p.	
31	29.71	29.93	43.8	55.1	55.5	35.9	1.9	1.2	.245	.399	85	91	SW	5	W	20	10	10	.155	—	32		● a. and p.	
M.	29.864	29.840	51.2	48.8	56.1	43.8	2.2	1.4	.324	.313	86	90		6		5	7.9	5.7	1.584	71	41.5			

## BIRR CASTLE, KING'S COUNTY, a.b.—OCTOBER 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.

Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	29.72	29.52	58.5	58.9	62.8	53.6	0.6	1.0	.471	.465	96	94	S	4	S	3	10	10	.059	0.7	—	Cloudy and mild.
2	29.34	29.51	57.9	49.9	59.7	47.8	1.7	1.8	.428	.313	89	88	S	3	W	2	10	10	.210	—	—	Overcast, with ●.
3	29.95	30.21	54.0	50.1	58.7	45.4	2.5	1.2	.347	.415	83	91	SW	3	W	3	9	10	.022	3.1	—	Cloudy, with ● showers.
4	30.30	35	57.8	56.9	62.5	54.2	1.8	1.6	.424	.415	88	90	WSW	4	SW	2	8	10	—	3.9	—	Cloudy and mild.
5	30.39	37	56.9	53.0	61.1	47.8	2.1	2.9	.400	.325	87	81	WSW	1	N	1	10	10	—	3.9	—	Cloudy and mild.
6	30.17	30.17	55.1	50.0	61.7	47.6	1.2	1.1	.399	.332	91	92	NW	2	Calm	0	8	10	—	8.6	—	Cloudy and mild.
7	30.01	29.88	53.3	52.9	62.7	43.8	1.3	1.2	.370	.367	91	92	Calm	0	Calm	0	10	10	—	5.1	—	Cloudy and mild.
8	29.86	29.86	47.9	52.9	56.3	40.8	0.8	1.0	.312	.372	95	93	Calm	0	N	1	10	10	.004	—	—	≡ n. ● showers.
9	29.87	29.83	51.9	52.7	56.8	44.5	2.2	0.8	.329	.375	86	94	N	1	S	2	7	10	.011	4.1	—	Cloudy. ● n.
10	29.73	29.61	54.7	54.3	58.7	49.8	1.6	0.4	.382	.411	90	97	NE	2	Calm	0	10	10	.182	—	—	● showers a. ● n.
11	29.57	29.59	47.8	43.0	54.7	41.8	1.3	1.1	.301	.253	91	91	WNW	2	S	2	10	10	.046	0.5	—	● showers.
12	29.70	29.95	45.9	45.1	52.7	35.6	1.3	1.0	.280	.276	92	92	WNW	2	N	3	9	9	.154	7.0	—	● showers.
13	30.21	30.32	45.3	46.1	52.8	38.1	3.3	2.2	.231	.262	76	84	N	4	N	3	7	10	—	7.9	—	Cloudy.
14	30.19	30.19	51.9	50.9	55.7	40.6	3.0	1.9	.311	.324	80	87	NE	4	ESE	3	7	10	—	5.6	—	Cloudy.
15	30.09	29.87	48.9	48.9	55.8	43.8	1.9	2.0	.299	.299	87	86	NE	4	Calm	0	10	10	.062	2.8	—	Cloudy.
16	29.80	29.80	56.4	52.8	57.7	46.2	2.2	1.1	.391	.369	86	92	SE	2	SE	2	10	10	.194	1.2	—	Cloudy.
17	29.78	29.84	50.9	48.1	53.8	46.8	1.2	1.2	.343	.306	92	91	Calm	0	E	2	10	8	.045	—	—	Overcast. ≡
18	29.61	29.49	53.3	46.9	55.8	44.6	1.3	1.0	.370	.298	91	93	SW	2	WSW	2	10	8	.369	0.7	—	● showers.
19	29.64	29.73	50.9	44.0	54.7	43.0	1.4	0.9	.338	.267	91	93	NNW	3	NW	4	7	9	.031	6.2	—	● showers.
20	29.75	29.77	46.9	46.9	54.5	38.1	2.0	2.1	.274	.272	86	86	NNW	3	N	4	9	10	.006	6.0	—	Overcast.
21	29.73	29.84	44.1	45.2	55.7	40.0	0.9	1.1	.269	.275	93	92	NNW	2	NW	2	7	9	—	4.4	—	Cloudy.
22	29.74	29.74	51.5	50.9	53.8	48.8	2.3	2.8	.321	.303	84	82	SE	3	SE	2	10	10	—	0.4	—	Overcast.
23	29.66	29.59	51.7	51.8	53.9	48.8	2.1	2.1	.329	.331	86	86	SE	3	SE	4	10	10	—	—	—	Overcast.
24	29.59	29.49	49.8	51.8	53.8	46.8	2.0	2.1	.309	.295	87	85	E	3	SE	2	8	10	—	0.1	—	Overcast.
25	29.66	29.76	49.1	53.0	53.7	46.8	1.3	2.1	.316	.345	86	86	E	3	Calm	0	10	10	—	—	—	Overcast.
26	29.66	29.73	55.1	55.0	56.8	51.8	2.1	2.1	.374	.372	86	86	ESE	4	SW	5	9	10	—	1.3	—	Cloudy.
27	29.66	29.54	53.2	50.9	56.3	49.0	2.3	1.8	.343	.327	84	88	SE	4	NNE	4	10	10	.003	0.4	—	Cloudy and overcast.
28	29.52	29.57	49.9	47.9	50.9	47.9	2.7	1.0	.292	.309	82	93	SE	2	E	1	10	10	.144	—	—	Overcast, with ●.
29	29.64	29.74	50.3	50.8	53.9	46.5	1.1	1.1	.336	.344	92	92	E	1	ENE	1	10	10	.009	—	—	● showers.
30	29.86	29.91	46.9	39.0	51.7	34.8	1.8	1.1	.278	.216	88	91	NE	2	NE	2	10	10	—	3.2	—	Cloudy.
31	29.73	29.15	41.9	49.9	55.8	33.1	1.0	1.0	.246	.333	93	93	SW	2	W	6	10	10	.134	—	—	Overcast, with ●.
M.	29.821	29.806	51.3	50.1	56.2	44.2	1.8	1.5	.336	.328	88	90	2.4	2.2	9.2	0.8	1.685	77	—			

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡						HOLYHEAD.†‡§						
Height of Cops above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.						Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cops above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	12, 9	— 3	13, 11	14	12, 13	13, 18	13, 13	11, 12	— 30	13. 50	16, 8	14, 10	15, 10	15, 14	— 24	21. 35	
2	15, 17	12, 9	15, 17	12, 13	13, 17	15, 20	13, 13	14, 8	— 41	23. 50	15, 20	15, 20	16, 10	20, 17	— 49	21. 35	
3	23, 19	22, 11	25, 23	2, 11	26, 38	24, 32	24, 26	23, 25	— 58	0. 50	24, 26	22, 23	22, 12	22, 17	— 51	3. 25	
4	22, 12	13, 5	22, 15	14	24, 20	24, 23	23, 19	23, 18	— 38	3. 20	22, 10	21, 10	20, 8	25, 13	— 28	3. 55	
5	25, 10	— 2	24, 10	12, 14	27, 17	26, 18	26, 13	26, 9	— 27	3. 0	27, 11	28, 9	28, 4	— 3	— 26	2. 5	
6	19, 4	23, 4	19, 23, 4	13, 18	— 2	27, 8	— 3	— 3	— 12	13. 20	— 2	3, 8	4, 7	7, 6	— 18	11. 50	
7	18, 7	— 1	15, 9	11	10, 10	15, 12	— 2	11, 4	— 22	11. 40	17, 7	18, 8	8, 6	— 3	— 15	11. 30	
8	24, 4	— 2	26, 8	14, 15	— 2	26, 11	29, 15	28, 10	— 20	15. 25	— 2	29, 8	32, 16	31, 13	— 27	17. 15	
9	24, 6	23, 4	24, 7	11	28, 10	25, 11	25, 11	25, 7	— 17	3. 5	26, 5	24, 5	23, 5	21, 6	— 16	9. 30	
10	— 0	— 1	— 2	14, 15	13, 5	15, 9	12, 7	14, 9	— 16	14. 10	12, 7	14, 6	18, 9	16, 8	— 16	23. 45	
11	18, 10	— 1	18, 31	13, 22	17, 10	20, 10	30, 16	29, 20	— 26	20. 10	19, 12	24, 15	29, 9	29, 15	— 31	22. 35	
12	29, 10	32, 14	1, 2, 15	21, 22, 23	31, 16	32, 17	32, 21	1, 27	— 37	22. 45	30, 22	31, 23	1, 34	32, 39	— 56	22. 0	
13	4, 12	3, 10	2, 16	2, 3	5, 24	6, 26	4, 18	5, 18	— 52	1. 40	4, 37	5, 38	5, 38	4, 32	— 61	11. 55	
14	7, 15	6, 12	7, 17	10	8, 24	8, 24	8, 16	9, 16	— 43	10. 55	6, 27	6, 35	6, 26	8, 29	— 54	12. 0	
15	5, 12	8, 11	5, 15	14	6, 19	7, 22	9, 20	10, 15	— 44	13. 45	7, 26	6, 29	8, 18	9, 9	— 48	12. 35	
16	8, 6	— 2	10, 7	14	10, 10	10, 9	7, 8	7, 8	— 19	3. 25	7, 19	8, 12	8, 18	6, 19	— 31	5. 0	
17	— 2	1, 4	1, 10	5	6, 17	4, 11	28, 14	26, 13	— 27	6. 45	4, 17	1, 15	28, 11	26, 7	— 28	3. 15	
18	16, 10	19, 9	16, 15	17	13, 8	13, 14	20, 14	24, 6	— 27	14. 25	16, 15	14, 19	20, 18	22, 10	— 43	18. 20	
19	28, 6	28, 7	28, 10	15	29, 19	29, 22	29, 14	— 3	— 34	18. 40	29, 18	28, 23	27, 32	28, 33	— 43	19. 45	
20	29, 6	30, 8	30, 10	14, 16, 17	30, 10	30, 19	29, 21	29, 22	— 28	19. 50	32, 20	32, 26	31, 29	31, 28	— 44	0. 15	
21	7, 5	— 4	6, 9	12	6, 7	9, 12	7, 9	8, 13	— 21	21. 45	8, 7	6, 13	5, 11	5, 9	— 34	9. 5	
22	7, 6	— 2	8, 8	12	6, 7	7, 15	5, 8	9, 9	— 20	13. 15	6, 12	7, 14	7, 12	7, 11	— 24	9. 50	
23	8, 12	6, 11	8, 15	14, 20	8, 14	9, 16	9, 14	10, 14	— 25	21. 30	9, 14	7, 21	8, 19	8, 19	— 28	19. 15	
24	8, 8	7, 7	7, 10	8	8, 15	9, 15	7, 12	8, 8	— 23	11. 10	8, 20	8, 23	8, 17	8, 17	— *	*	
25	4, 4	4, 4	8, 8	1	9, 9	9, 13	9, 11	8, 12	— 20	21. 30	7, 18	8, 14	8, 16	8, 12	— *	*	
26	4, 5	2, 7	6, 8	9	9, 19	9, 15	9, 16	9, 13	— 29	9. 10	8, 21	7, 15	8, 18	8, 23	— *	*	
27	8, 10	5, 7	7, 14	24	8, 16	9, 22	8, 24	9, 22	— 35	14. 25	8, 28	6, 30	7, 29	7, 29	— *	*	
28	7, 13	5, 4	7, 17	11, 12	8, 13	8, 17	4, 9	4, 8	— 36	0. 20	8, 26	7, 22	8, 15	8, 12	— *	*	
29	4, 4	4, 4	4, 5, 4	11, 12, 13, 14, 15, 17	3, 5	6, 13	5, 9	6, 11	— 17	14. 20	7, 21	7, 22	7, 20	6, 16	— *	*	
30	4, 5	— 3	3, 4, 5	12, 13, 14	1, 12	32, 12	3, 7	1, 9	— 16	12. 15	5, 14	4, 15	2, 17	6, 10	— *	*	
31	19, 11	19, 13	22, 27	23	18, 9	19, 18	21, 21	21, 41	— 59	22. 20	23, 12	20, 22	20, 28	20, 32	— *	*	

GLASGOW.†					KINGSTOWN.†						ROCHES POINT.‡						
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.						Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	19, 9	16, 10	18, 12	14	15, 20	15, 17	16, 12	15, 15	16, 22	1	— 12	— 19	— 23	— 23	— 38	19. 5	
2	17, 14	15, 7	16, 15	12	15, 21	15, 22	23, 28	24, 30	24, 33	20	— 28	— 30	— 25	— 13	— 61	14. 50	
3	24, 13	23, 9	27, 15	6, 7	23, 22	22, 20	22, 22	21, 12	24, 33	1	— 13	— 15	— 10	— 9	— 31	10. 55	
4	23, 16	24, 12	23, 19	12	22, 17	22, 20	24, 15	22, 18	21, 24	7	— 10	— 11	— 8	— 1	— 25	10. 55	
5	25, 12	24, 7	24, 15	10, 14	24, 17	25, 12	26, 5	23, 7	24, 17	9	— 5	— 8	— 1	— 7	— 14	14. 55	
6	— 3	— 3	22, 7	*	26, 15	5, 8, 4	— 2	— 1	26, 11	3	— 10	— 10	— 10	— *	— 18	10. 25	
7	— 2	20, 6	— *	*	— 2	— 3	16, 7	— 1	14, 9	5	— *	— 7	— 7	— 3	— *	*	
8	25, 12	24, 5	25, 24, 12	10, 12, 13, 14	26, 10	26, 9	1, 5	28, 5	26, 4, 11	11, 15	— 10	— 5	— 8	— 8	— 16	11. 20	
9	23, 11	23, 7	23, 11	13	26, 6	26, 7	21, 4	20, 5	26, 10	11	— 4	— 4	— 7	— 9	— 13	20. 40	
10	20, 5	19, 4	20, 7	12	16, 5	16, 11	15, 7	16, 10	13	13	— 9	— 6	— 3	— 3	— 14	10. 0	
11	23, 7	24, 4	19, 8	10	22, 15	26, 12	26, 14	25, 13	23, 21	10	— 22	— 16	— 15	— 16	— 29	16. 10	
12	32, 12	32, 12	1, 2, 13	12, 16, 22	24, 21	2, 18	2, 31	3, 37	3, 39	23	— 24	— 33	— 19	— *	— 48	12. 20	
13	5, 11	8, 7	4, 15	11	5, 36	5, 23	6, 32	6, 32	2, 4, 39	2, 5, 6	— 24	— 13	— 7	— 15	— 49	3. 10	
14	6, 12	5, 13	6, 14	12, 16	8, 32	8, 26	8, 26	8, 20	6, 38	2	— 18	— 23	— 19	— 23	— 40	12. 10	
15	7, 16	7, 15	7, 20	15	8, 25	7, 26	12, 19	13, 20	8, 29	10, 12	— 11	— 10	— 16	— 15	— 32	0. 45	
16	5, 6	5, 6	5, 7	14	10, 20	11, 14	12, 9	10, 12	10, 24	10	— 15	— 18	— 5	— 5	— 29	2. 10	
17	— 2	— 2	7, 4	1, 2	3, 8	1, 6	23, 6	24, 4	8, 5, 11	1, 5	— 15	— 5	— 7	— 7	— 20	9. 30	
18	10, 6	7, 8	7, 9	16	16, 19	21, 15	21, 8	22, 11	16, 22, 19	7, 9, 14	— 10	— 14	— 16	— 9	— 30	13. 40	
19	29, 5	31, 7	32, 10	4	28, 18	28, 19	27, 26	26, 25	27, 26	18, 22	— 25	— 29	— *	— *	— *	*	
20	32, 12	30, 12	30, 15	17	26, 21	32, 22	29, 17	28, 21	26, 25	5, 6	— *	— 33	— 28	— 28	— *	*	
21	5, 11	5, 10	5, 14	12	26, 12	1, 7	12, 8	9, 24	18	2	— *	— 6	— 6	— 13	— *	*	
22	7, 10	5, 10	5, 13	2	9, 19	9, 10	9, 12	9, 12	8, 22	7, 8	— 20	— 24	— 17	— 23	— 35	10. 35	
23	9, 9	8, 10	8, 12	14	12, 18	11, 20	9, 17	12, 15	12, 11, 20	10, 13	— 28	— 26	— 27	— 28	— 41	23. 30	
24	7, 8	7, 10	6, 7, 5, 10	1, 13, 14, 16, 18, 20	8, 24	11, 21	8, 22	9, 20	8, 26	10	— 27	— 26	— 27	— 26	— 40	0. 55	
25	9, 8	8, 7	9, 10	14	10, 15	12, 15	10, 7	12, 11	12, 9, 20	2, 3, 4	— 16	— 12	— 14	— 14	— 40	2. 10	
26	7, 9	5, 10	6, 12	20	8, 16	10, 5	11, 4	12, 5	10, 8, 16	8, 9	— 26	— 30	— 27	— 25	— 44	14. 40	
27	8, 11	6, 11	7, 13	24	9, 18	8, 22	8, 28	8, 25	8, 28	17, 18	— 29	— 27	— 28	— 29	— 50	19. 20	
28	7, 10	7, 8	7, 14	2	8, 28	8, 22	9, 16	11, 9	8, 28	8, 9	— 15	— 15	— 13	— 18	— 32	0. 20	
29	5, 12	6, 5	5, 12	13	9, 8	8, 13	6, 15	6, 18	6, 20	22, 23	— 13	— 12	— 7	— 10	— 26	5. 30	
30	3, 7	— 2	4, 3, 7	12, 13	6, 19	5, 18	3, 12	25, 10	6, 23	1	— 13	— 7	— 9	— 10	— 23	10. 30	
31	19, 17	20, 21	22, 22	19	17, 8	20, 20	20, 39	21, 40	22, 42	22	— 2	— 39	— 33	— 28	— 68	13. 5	

GLASGOW. <sup>†</sup>					KINGSTOWN. <sup>†</sup>					ROCHES POINT. <sup>‡</sup>								
Height of Cops above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cops above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.					Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.								
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	19, 9	16, 10	18, 12	14	15, 20	15, 17	16, 12	15, 15	16, 22	1	—	12	19	—	23	—	38	19, 5
2	17, 14	15, 7	16, 15	12	15, 21	15, 22	23, 28	24, 30	24, 33	20	—	28	30	—	25	—	13	14, 50
3	24, 13	23, 9	27, 15	6, 7	23, 22	22, 20	22, 22	21, 12	24, 33	1	—	13	15	—	10	—	9	10, 10
4	23, 16	24, 12	23, 19	12	22, 17	22, 20	24, 15	22, 18	21, 24	7	—	10	11	—	8	—	1	10, 55
5	25, 12	24, 7	24, 15	10, 14	24, 17	25, 12	26, 5	23, 7	24, 17	9	—	5	8	—	1	—	7	14, 55
6	—	3	22, 7	2	26, 5	8, 4	—	2	26, 11	3	—	10	10	—	10	—	18	10, 25
7	—	2	20, 6	2	—	2	16, 7	—	14, 9	5	—	—	7	—	7	—	*	*
8	25, 12	24, 5	25, 24, 12	10, 12, 13, 14	26, 10	26, 9	1, 5	28, 5	26, 4, 11	11, 15	—	10	5	—	8	—	16	11, 20
9	23, 11	23, 7	23, 11	13	26, 6	26, 7	21, 4	20, 5	26, 10	11	—	4	4	—	7	—	13	20, 40
10	20, 5	19, 4	20, 7	12	16, 5	16, 11	15, 7	16, 10	16, 11	13	—	9	6	—	3	—	14	10, 0
11	23, 7	24, 4	19, 8	10	22, 15	26, 12	26, 14	25, 13	23, 21	10	—	22	16	—	15	—	29	16, 10
12	32, 12	32, 12	1, 2, 13	12, 16, 22	24, 21	2, 18	2, 31	3, 37	3, 39	23	—	24	33	—	19	—	48	12, 20
13	5, 11	8, 7	4, 15	11	5, 36	5, 23	6, 32	6, 32	2, 4, 39	2, 5, 6	—	24	13	—	7	—	49	3, 10
14	6, 12	5, 13	6, 14	12, 16	8, 32	8, 26	8, 26	8, 20	6, 38	2	—	18	23	—	19	—	40	12, 10
15	7, 16	7, 15	7, 20	15	8, 25	7, 26	12, 19	13, 20	8, 29	10, 12	—	11	10	—	16	—	32	0, 45
16	5, 6	5, 6	5, 7	14	10, 20	11, 14	12, 9	10, 12	10, 24	10	—	15	18	—	5	—	29	2, 10
17	—	2	7, 4	1, 2	3, 8	1, 6	23, 6	24, 4	8, 5, 11	1, 5	—	15	5	—	7	—	20	9, 30
18	10, 6	7, 8	7, 9	16	16, 19	21, 15	21, 8	22, 11	16, 22, 19	7, 9, 14	—	10	14	—	16	—	30	13, 40
19	29, 5	31, 7	32, 10	4	28, 18	28, 19	27, 26	26, 25	27, 26	18, 22	—	25	29	—	*	—	*	*
20	32, 12	30, 12	30, 15	17	26, 21	32, 22	29, 17	28, 21	26, 25	5, 6	—	—	33	—	28	—	*	*
21	5, 11	5, 10	5, 14	12	26, 12	1, 7	7, 12	8, 9	24, 18	2	—	—	*	—	6	—	13	*
22	7, 10	5, 10	5, 13	2	9, 19	9, 10	9, 12	9, 12	8, 22	7, 8	—	20	24	—	17	—	35	10, 35
23	9, 9	8, 10	8, 12	14	12, 18	11, 20	9, 17	12, 15	12, 11, 20	10, 13	—	28	26	—	27	—	41	23, 30
24	7, 8	7, 10	6, 7, 5, 10	1, 12, 14, 15, 16, 20	8, 24	11, 21	8, 22	9, 20	8, 26	10	—	27	26	—	27	—	40	0, 55
25	9, 8	8, 7	9, 10	14	10, 15	12, 15	10, 7	12, 11	12, 9, 20	2, 3, 4	—	16	12	—	14	—	40	2, 25
26	7, 9	5, 10	6, 12	20	8, 10	10, 5	11, 4	12, 5	10, 8, 16	8, 9	—	26	30	—	27	—	44	14, 10
27	8, 11	6, 11	7, 13	24	9, 18	8, 22	8, 28	8, 25	8, 28	19, 18	—	29	27	—	28	—	50	0, 20
28	7, 10	7, 8	6, 14	2	8, 28	8, 22	9, 16	11, 9	8, 28	8, 9	—	15	15	—	13	—	32	5, 20
29	5, 12	6, 5	5, 12	13	6, 19	8, 13	6, 15	6, 18	6, 20	22, 23	—	13	12	—	7	—	26	10, 30
30	3, 7	—	4, 3, 7	12, 13	6, 19	5, 18	3, 12	25, 10	6, 23	1	—	13	7	—	9	—	23	5, 30
31	19, 17	20, 21	22, 22	19	17, 8	20, 20	20, 39	21, 40	22, 42	22	—	2	39	—	33	—	68	13, 5

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^3$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

§ Dines Pressure Tube Anemometer.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

## DEERNES, ORKNEY, a.b.—NOVEMBER 1910.

## TILLYPRONIE, ABERDEENSHIRE.—NOVEMBER 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +0.30 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sun- shine.	Min. Temp. on Grass.	Remarks.	
							Dep. of Wet.		Vapour Pressure.										Percentage.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.		
2	27.59	27.61	35.4	32.6	44.3	32.0	0.2	0.6	204	173	98	93	W	4	W	4	—	28	Sunshine. Dull at times.
3	27.81	27.85	35.0	37.0	40.0	32.0	2.8	3.9	151	151	74	69	W	6	W	6	—	25	Sunshine.
4	27.79	27.90	37.8	33.1	40.2	30.5	2.8	2.1	175	146	77	77	W	2	W	1	7	7	27
5	28.10	28.26	38.0	34.8	40.2	30.0	0.7	0.2	214	198	94	98	W	4	N	5	10	7	29
6	28.30	28.26	34.0	35.0	40.8	31.0	0.5	0.8	186	188	95	92	N	2	N	4	8	0	28
7	27.94	27.41	30.2	36.0	36.4	26.0	1.2	0.8	137	197	81	93	N	2	N	4	9	9	28
8	27.31	27.61	32.2	32.5	38.5	27.2	0.4	0.5	174	174	95	94	NW	2	NW	4	9	10	24
9	28.05	28.23	35.0	32.0	37.5	31.0	1.0	0.8	184	162	90	89	N	3	N	4	8	0	18
10	29	29	35.0	32.3	35.4	29.0	0.5	1.3	177	154	94	84	NW	6	W	5	8	6	—
11	27	27	33.0	32.5	38.0	24.0	0.8	1.3	127	111	84	75	W	2	W	2	4	8	—
12	28	28	33.0	33.0	37.3	26.0	1.0	1.8	140	151	83	80	NW	4	NW	4	4	8	—
13	28	28	32.0	32.0	34.3	26.0	0.5	0.8	170	162	93	89	NW	2	N	4	2	8	—
14	28.07	27.90	36.0	36.0	37.2	30.0	0.2	0.8	208	197	98	93	SE	2	SE	4	10	10	26
15	27.62	27.72	38.0	33.9	38.5	33.0	0.2	0.4	224	187	98	96	W	2	NE	5	10	10	29
16	27.97	28.18	33.5	30.6	36.0	29.0	0.3	1.1	186	143	96	84	N	5	NE	5	8	0	32
17	28.20	28.20	32.4	34.2	37.0	27.0	0.6	0.6	144	171	90	93	W	6	NW	8	6	8	28
18	27.98	27.98	35.4	37.5	31.6	33.0	0.5	0.9	150	190	70	92	SW	8	SW	6	7	10	23
19	28.48	28.48	31.2	35.5	30.0	0.5	1.2	186	146	95	83	N	5	N	6	10	0	73	28
20	28.8	28.8	34.8	32.2	37.0	31.0	0.3	1.2	196	155	97	85	N	2	NW	2	7	0	28
21	28.6	28.6	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	05	19
22	28.6	28.6	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	09	16
23	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	01	28
24	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	19
25	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	18
26	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	31
27	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	29
28	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	29
29	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	32
30	28.8	28.8	32.0	35.8	32.0	0.5	1.5	172	147	94	81	N	5	N	5	8	0	—	30
M.	28.301	28.341	33.4	33.0	37.7	28.9	0.9	1.0	174	167	90	88		3.6	4.2	7.2	5.5	—	25.9

## DUNDEE, FORFARSHIRE, c.d.—NOVEMBER 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +0.30 in.

1	28.62	28.67	40.5	38.0	45.0	36.2	1.5	1.0	220	208	88	91	W	3	W	1	5	5	—	—	Cloud and sunshine. Fine.	
2	28.92	28.96	37.2	36.2	43.5	33.5	2.2	1.7	180	182	81	86	SW	1	W	3	5	5	—	—	Cloud and sunshine.	
3	28.86	28.92	37.8	37.2	42.0	32.6	1.3	1.0	202	202	90	91	SW	1	NW	1	10	10	05	—	Dull. ● 1p.-3p.	
4	29.11	29.27	41.0	38.2	47.5	34.0	1.8	1.3	219	204	86	89	W	1	NW	1	10	5	—	—	Dull till 3p., then fine.	
5	29.36	29.27	36.6	37.2	46.7	34.0	1.4	0.5	190	212	88	95	NW	1	NE	1	5	10	—	—	Cloud and sun till 2p.	
6	28.97	28.53	34.9	38.3	39.2	29.0	0.9	0.5	185	221	91	96	SE	1	S	8	10	—	—	● 11a.-5p. from noon		
7	28.33	28.66	36.5	37.0	42.6	35.4	0.5	0.8	206	204	95	93	NW	1	NW	3	5	10	09	—	Fine till 1p. Cloud and sun till 3p.	
8	29.07	29.30	38.0	36.0	40.5	35.0	2.0	1.8	190	179	83	84	W	5	W	3	10	5	—	—	Cloud and sunshine.	
9	28.44	28.68	35.5	33.0	39.0	32.0	2.3	1.0	164	167	79	89	SW	3	NW	1	10	5	—	—	Dull.	
10	28.80	28.80	38.0	38.0	38.0	27.0	0.5	2.5	141	182	91	79	NW	1	NE	1	5	10	—	—	Fine till 3p., then dull.	
11	28.41	28.67	36.0	34.2	42.2	32.2	2.5	1.2	167	174	78	87	NW	1	NW	1	5	10	—	—	Cloud and sun till 2p., then dull.	
12	28.68	29.50	32.0	37.5	38.2	26.0	0.0	0.5	182	214	100	95	W	1	NE	1	5	10	61	—	Fine 10a.-noon, then ∞.	
13	29.13	28.88	38.8	41.0	42.0	37.2	0.4	0.2	228	253	97	98	SW	1	NE	1	10	10	64	—	Dull. ∞. ● from 2p.	
14	28.59	28.72	42.2	38.7	42.9	38.0	0.2	0.9	265	218	98	93	SW	1	W	1	10	10	34	—	● n. and day. ∞	
15	29.07	29.25	38.0	35.2	41.0	33.3	2.6	1.7	180	173	78	84	W	1	NW	1	10	5	—	—	Cloudy till 10a., then fine.	
16	29.32	29.32	38.0	35.0	36.7	31.0	1.5	1.5	157	174	83	85	W	3	W	1	5	10	—	—	Cloud and sunshine till 2p.	
17	29.12	29.12	38.0	35.0	36.7	31.0	1.5	1.5	157	174	83	85	W	3	W	1	5	10	—	—	Dull and cloudy.	
18	29.52	29.52	40.5	34.0	41.2	33.0	2.0	1.0	212	176	84	89	N	3	N	1	5	10	05	—	Cloud and sunshine. ● 11a.-noon	
19	29.92	29.92	31.5	30.0	35.5	28.4	2.0	1.0	132	140	74	83	NW	1	NW	1	5	10	—	—	Dull.	
20	29.74	29.74	35.5	35.5	39.5	27.0	3.3	2.5	148	160	71	77	NW	1	NW	1	0	0	—	—	Fine.	
21	29.94	29.94	35.0	32.5	43.6	30.0	1.0	1.0	164	163	80	88	NW	3	NW	1	5	5	—	—	Fine.	
22	29.96	29.96	35.5	33.5	33.5	23.5	0.3	0.5	137	121	93	88	W	1	NW	1	5	5	—	—	—	
23	29.79	29.79	30.5	38.5	40.0	21.5	0.5	2.0	157	194	92	84	NE	1	E	3	10	10	08	—	Dull, with ∞.	
24	29.80	29.80	37.0	40.0	35.0	0.5	0.0	206	220	95	100	96	SE	3	SE	1	10	10	09	—	● a.-ga. Dull.	
25	29.71	29.71	38.0	36.2	40.2	35.0	0.2	0.4	230	206	98	96	SE	1	SE	1	10	10	—	—	● a.-sa., then dull. ∞	
26	29.61	29.61	36.6	38.2	39.8	34.2	0.2	0.4	213	222	99	97	SW	5	SW	1	10	10	07	—	Dull and cloudy, with ∞.	
27	29.54	29.54	39.0	40.6	35.4	0.2	0.5	236	228	98	96	S	1	SE	1	10	10	11	—	—	Dull and cloudy. ● 1p.-4p.	
28	29.38	29.38	36.0	39.8	34.0	0.0	1.0	216	193	100	91	NE	3	NW	1	10	10	06	—	—	● n. and till 8a. Dull.	
29	29.57	29.75	36.4	35.4	41.2	34.0	1.4	1.4	189	180	88	87	W	3	W	1	10	5	—	—	Dull till 9a., then cloud and sun	
30	29.89	29.89	31.0	34.0	40.6	30.5	0.4	0.8	163	180	93	91	SW	1	NW	1	5	0	—	—	Cloud and sunshine.	
M.	29.375	29.402	36.0	36.0	40.8	32.0	1.6	1.1	189	191	88	90		1.9	1.6		7.5	7.8	2.62	—	—	

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—NOVEMBER 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +0.29 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.		Percentage.												
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	
1	ins.	ins.	41.9	37.7	47.7	36.7	3.0	2.2	207	185	78	81	WSW	7	WSW	5	6	3	170	2.2	31	● 11.30a.-5.30p.	
2	28.64	28.72	37.6	36.4	40.4	33.5	2.1	1.6	186	185	82	86	W	7	W	4	2	10	—	5.3	24	Fine and clear.	
3	28.83	28.88	41.0	42.4	46.1	35.2	1.8	1.4	219	241	86	89	SW	4	—	2	900	10	—	—	27	Overcast.	
4	29.13	29.27	43.6	39.0	47.0	37.1	3.5	3.1	211	179	75	76	—	2	N	4	6	6	—	1.6	28	Cloudy.	
5	29.34	29.25	37.9	37.0	44.2	35.7	3.1	1.8	172	186	75	85	—	3	—	2	9	0	1000	2.1	25	Cloudy.	
6	28.72	28.79	36.4	40.9	42.8	32.9	1.2	2.4	193	208	90	82	E	12	SW	12	100	4	485	—	25	● 7a.-10a., 11a.-4p., 9.30p.-midt.	
7	28.31	28.36	37.1	40.2	43.0	36.1	0.2	3.2	217	187	98	75	N	4	W	11	3	10	—	0.2	31	● early a. Dull	
8	29.11	29.34	39.6	35.9	43.2	34.8	2.8	3.0	190	157	78	74	W	4	W	5	10	0	—	1.6	31	Overcast a., then cloudy.	
9	52	73	35.2	42.2	31.9	2.0	3.0	172	150	82	73	W	8	W	6	1	1	—	—	2.9	22	Fine a.	
10	78	33	29.4	36.4	39.6	27.5	0.0	1.5	163	187	100	87	—	2	NE	10	5	100	100	1024	—	16	Overcast. ● 6p.-9p.
11	40	66	37.9	35.3	43.5	35.3	1.6	2.3	197	162	87	78	—	2	—	2	8	100	100	—	4.1	32	Cloudy a. Fine afternoon.
12	65	29.37	29.8	35.9	37.9	27.9	0.6	0.6	149	200	90	95	—	2	ENE	10	100	100	900	—	16	Overcast. ● from 4p.	
13	29.07	28.78	36.9	40.6	40.8	33.5	0.3	0.2	213	249	97	98	—	2	NE	4	100	100	416	—	32	● till 4a., and 6p.-midt.	
14	28.56	28.71	40.7	39.9	42.1	39.4	0.5	1.4	223	218	96	89	—	2	NE	6	100	100	138	—	39	● till 10a., and 6p.-midt.	
15	29.12	29.31	39.5	34.3	41.6	33.9	4.7	3.0	157	142	66	72	NW	6	W	4	7	2	—	0.8	31	● early a. Cloudy.	
16	37	30	32.3	34.6	36.7	31.1	2.2	1.4	139	173	75	86	W	7	W	8	1	4	—	4.5	22	Fine day. ● 7p.	
17	23	36	36.7	38.7	40.0	33.5	2.8	2.7	167	184	77	79	NW	10	WNW	12	9	10	—	26	Overcast.		
18	56	91	42.5	34.9	43.4	34.9	4.5	3.6	185	139	68	69	NNW	7	NNW	4	6	3	—	2.9	31	Fine.	
19	98	80	31.9	30.7	36.1	30.7	1.7	0.2	142	167	78	97	—	2	—	2	9	1000	1015	—	19	Overcast. ● 4p.-6p.	
20	80	85	33.4	30.7	40.3	23.9	2.1	2.1	149	122	78	71	—	3	NW	4	000	300	—	4.9	15	☔. Fine and clear.	
21	93	95	25.7	27.8	35.7	25.5	0.1	0.2	136	146	98	96	—	1	—	1	100	100	—	—	17	Overcast, with ☔.	
22	93	87	23.0	30.6	34.8	21.9	0.2	0.6	115	156	94	91	—	1	—	1	100	100	400	—	16	Overcast day. Clear evening.	
23	93	87	32.9	36.7	37.8	29.5	1.1	0.8	164	202	87	93	ENE	7	ENE	9	100	100	312	—	23	Overcast.	
24	72	67	35.9	37.7	37.9	35.1	0.3	0.4	205	218	97	97	ENE	7	ENE	6	100	100	240	—	34	● till 4a. Overcast. ● from 5p.	
25	64	67	38.5	38.1	39.1	37.1	0.3	0.5	227	219	98	95	E	7	—	2	100	100	160	—	36	● 2a.-10a., 11a.-7p., and 8p.	
26	60	67	37.1	40.3	42.9	34.9	0.7	0.6	207	238	94	96	—	2	SW	5	1000	8	069	0.2	32	● till 10a. Cloudy. (midt.	
27	48	40	41.2	40.3	42.1	39.8	0.7	1.0	244	229	95	92	SSW	7	SE	4	100	100	070	—	32	● 3a.-10a., and noon-2p.	
28	34	44	38.6	36.9	41.5	32.0	1.1	2.0	213	182	92	84	NNE	N	N	4	9	1	—	0.1	32	Dull and overcast.	
29	62	76	33.9	32.9	41.7	32.9	1.8	0.7	159	173	81	92	NW	4	—	2	3	000	—	2.6	24	Fine a. ☔ 8.30 p.	
30	29.89	29.98	26.5	32.5	34.9	25.9	0.0	1.3	144	156	100	84	—	2	—	2	100	3	—	—	20	≡ clearing after 9p.	
M.	29.363	29.387	35.8	36.4	40.9	32.7	1.6	1.6	183	185	86	85	5	5	7.4	6.1	3.089	36	26.3				

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—NOVEMBER 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.							
							Dep. of Wet.	Vapour Pressure.	Percentage.																
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	28.48	ins.	ins.	41.3	36.4	52.2	35.4	2.3	1.8	in.	213	182	82	84	NW	7	NW	6	2	2	ins.	hrs.	°		
2	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
3	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine day.	
4	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Frosty n.	
5	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
6	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
7	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
8	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
9	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
10	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
11	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
12	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
13	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
14	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
15	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
16	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
17	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
18	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
19	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
20	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
21	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
22	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
23	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
24	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
25	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
26	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
27	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
28	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
29	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
30	28.48	28.49	41.3	36.4	52.2	35.4	2.3	1.8	213	182	78	89	NW	5	W	3	3	2	—	7.5	29			Fine.	
M.	28.186	28.218	36.0	35.7	41.0	31.8	1.1	1.3	191	185	88	87	3.4	3.6	5.9	5.1	3.40	86	27.5						

## DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	28.69	28.72	44.4	40.7	53.0	39.2	3.0	2.4	228	206	78	81	W	7	W	7	3	3	6.90	6.8	41	°	2	2	ins.	hrs.	°	
2	28.69	28.72	44.4	40.7	53.0	39.2	3.0	2.4	228	206	78	81	WNW	6	W	6	4	0	6.90	6.8	41	°	2	2	ins.	hrs.	°	
3	28.80	28.78	42.4	38.7	45.0	36.2	2.4	1.7	221	202	82	86	Calm	0	NW	1	8	5	—	0.20	3.2	38	°	2	2	Cloudy.		
4	29.04	29.20	47.3	43.5	49.0	36.2	1.7	3.5	247	210	86	74	N	1	N	1	7	4	—	—	4.8	35	°	1	1	Fine.		
5	29.24	29.19	40.7	37.0	40.4	35.0	2.2	1.4	210	193	83	88	NNE	1	Calm	0	5	1	3.67	3.6	31	°	1	1	Fine.			
6	28.76	28.48	40.5	42.0	49.5	37.0	0.5	2.7	304	212	96	80	WSW	2	WSW	2	10	3	4.30	0.6	29	°	1	1	° showers.			
7	28.26	28.77	43.3	43.9	46.3	40.0	2.8	3.3	234	217	84	76	NW	4	WNW	7	5	3	1.10	2.9	38	°	1	1	° showers.			
8	29.08	29.28	40.4	34.3	45.0	34.0	2.0	1.6	235	197	92	86	WNW	2	NNW	1	5	0	0.10	5.0	36	°	1	1	° shower 7.30			
9	28.66	28.65	41.0	38.3	43.9	32.6	1.0	1.6	235	197	92	86	WNW	2	NNW	1	7	3	1.37	5.6	29	°	1	1	° shower 7.30			
10	28.67	28.69	41.3	42.8	45.0	32.9	3.8	0.7	187	259	73	95	S	2	NW	1	9	9	1.015	0.3	28	°	1	1	° shower 7.30			
11	28.68	28.58	39.9	39.0	43.8	35.8	0.9	0.9	201	220	92	93	N	2	NW	1	10	7	0.20	0.3	35	°	1	1	° shower 7.30			
12	29.57	29.22	44.0	51.0	51.3	38.7	2.0	0.2	244	369	84	99	WSW	2	SE	4	9	10	1.696	—	32	°	1	1	° shower 7.30			
13	28.98	28.61	48.1	48.0	51.6	46.0	0.1	0.0	334	335	99	100	W	1	SE	2	10	100	1.075	—	40	°	1	1	Misty, with °.			
14	28.53	28.61	44.2	41.5	48.3	40.4	1.2	1.9	263	223	91	86	N	2	W	1	3	4	1.180	1.2	42	°	1	1	Cloudy.			
15	28.99	29.21	38.5	38.8	48.3	37.9	2.0	2.8	194	183	84	78	N	6	NNW	4	10	4	1.168	0.1	34	°	1	1	° shower.			
16	29.35	29.34	33.3	36.2	48.2	32.0	0.9	2.1	172	175	90	82	WNW	3	W	5	8	2	0.074	4.4	30	°	1	1	° shower.			
17	28.27	28.24	37.7	38.1	43.5	34.0	2.2	2.7	185	179	81	77	WNW	5	WNW	8	7	6	3.28	3.3	32	°	1	1	° shower.			
18	28.44	28.78	43.4	38.9	45.0	37.0	3.4	3.5	211	172	75	73	NNW	6	NNW	3	3	3	—	4.7	32	°	1	1	° shower.			
19	29.00	29.07	37.0	41.2	41.8	34.5	3.8	1.4	152	229	69	89	N	1	NNW	3	9	9	0.056	0.1	30	°	1	1	° shower.			
20	28.73	28.74	37.0	35.5	43.1	31.7	2.5	2.9	174	154	79	74	NNW	3	N	1	3	0	—	6.9	27	°	1	1	° shower.			
21	28.80	28.82	38.2	37.8	42.4	30.0	3.2	2.7	171	171	74	78	NE	1	SE	1	0	2	—	7.3	25	°	1	1	° shower.			
22	28.77	28.72	40.0	41.1	43.3	37.2	2.7	1.8	194	229	78	85	ESE	2	SE	3	7	0	0.071	1.8	29	°	1	1	° shower.			
23	28.52	28.53	40.0	40.0	42.0	39.0	0.9	0.7	228	232	93	94	ESE	4	ESE	4	10	10	1.037	—	37	°	1	1	° shower.			
24	28.59	28.50	43.4	43.5	45.2	39.0	0.0	0.0	281	283	100	100	ESE	3	E	3	10	10	1.124	—	38	°	1	1	° shower.			
25	28.53	28.57	41.1	39.6	44.0	39.0	0.2	2.2	254	201	98	82	E	3	SE	3	10	10	1.370	—	40	°	1	1	° shower.			
26	28.59	28.59	39.0	42.2	49.0	38.0	0.9	0.2	220	265	93	88	NE	1	S	1	9	10	1.118	—	36	°	1	1	° shower.			
27	28.43	28.25	41.2	41.0	43.3	38.0	0.2	1.5	255	225	98	88	NNW	1	E	3	8	10	1.100	—	34	°	1	1	° shower.			
28	28.24	28.35	39.0	37.1	42.5	36.9	1.4	0.3	210	215	89	97	NNW	1	W	2	9	10	0.738	0.7	36	°	1	1	° shower.			
29	28.53	28.05	35.3	36.4	43.0	33.0	1.5	2.6	178	168	86	78	NNW	1	N	1	1	0	—	6.9	29	°	1	1	° shower.			
30	29.75	29.81	33.3	38.0	40.2	32.1	1.0	2.0	167	190	89	83	NNE	1	NNE	3	6	4	—	1.2	26	°	1	1	° shower.			
M.	29.290	29.299	40.4	40.2	45.6	36.3	1.7	1.7	219	217	86	86	2.5	2.8	6.8	5.3	0.934	76	33.2									

## SHREWSBURY, SHROPSHIRE.—NOVEMBER 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		Min.	Temp. on Grass.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.											9 a.m.	9 p.m.	
1	ins.	ins.	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	ins.	hrs.	—	42	Bright till 2.30p. ●▲ p.	
2	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	0	0	14	—	35	—	* 1p. ● showers.
3	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	7	10	0	04	—	31	—	Dull a., then ● showers.
4	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	7	0	01	—	30	—	Fine. ● <sup>0</sup> shower 5.15p.
5	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	5	0	03	—	30	—	Misty till 11a., then fine.
6	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	10	0	07	—	26	—	● showers.
7	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	10	2	04	—	34	—	● till 1p. Bright till 4.30p.
8	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	6	0	01	—	31	—	Dull.
9	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	7	0	01	—	27	—	* a. Bright till 3p.
10	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	4	7	3	06	—	28	—	Bright till 2p. ● 3p.-8.30p.
11	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	9	0	04	—	36	—	● showers. Bright p.
12	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	5	10	07	—	28	—	● showers afternoon.
13	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	9	10	12	—	42	—	● most of day.
14	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	8	9	04	—	37	—	● shower 11.30a., and 3.30p.
15	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	8	8	02	—	35	—	Dull. Misty 10.30a.-3p. *
16	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	1	0	—	—	29	—	Bright. □ 8.45p.-9p.
17	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	6	6	46	—	26	—	☒. Bright. * <sup>2</sup> evening.
18	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	9	9	—	—	31	—	Bright a., then cloudy.
19	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	10	10	02	—	29	—	Dull. ● n.
20	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	2	0	—	—	31	—	Fine.
21	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	0	0	0	—	—	24	—	Misty till 9.30a., and 5p.-6p.
22	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	0	0	02	—	23	—	≡ till 9.30a., then fine.
23	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	10	10	04	—	24	—	● all day.
24	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	10	10	91	—	34	—	Overcast, with drizzling ●.
25	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	10	0	35	—	37	—	Overcast a.
26	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	10	0	—	—	29	—	* <sup>2</sup> early a. Overcast.
27	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	10	10	79	—	29	—	● afternoon and evening.
28	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	3	8	0	—	—	32	—	Dull.
29	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	1	0	0	—	—	28	—	Bright.
30	28.85	28.87	47.9	38.0	54.9	38.0	5.0	1.0	224	208	67	91	WNW 4-5	W	†	2	4	0	20	—	25	—	Bright.
M.	29.402	29.409	36.8	36.3	44.6	31.9	1.2	1.0	200	199	90	92	2.1	2.0	6.4	3.6	3.81	—	30.8				

## CAMBRIDGE, a.—NOVEMBER 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.19 in.

1	28.97	29.00	48.1	41.7	53.0	41.2	2.4	2.7	277	209	83	80	SW	†	4	W	†	8	2	04	5.0	41	Overcast till 11a. ● 1.15p.
2	29.14	29.25	38.2	37.0	44.4	36.0	1.1	1.4	208	193	91	88	W	†	4	W	3	9	0	03	5.3	32	Overcast a. ●▲ 3p.
3	28.91	40.1	40.5	48.2	32.5	2.1	0.7	206	237	83	94	S	2	N	2	7	80	0	17	3.7	27	Sunny a. ● 3.30p.-8.30p.	
4	24	29.37	33.7	33.0	48.0	30.7	0.0	0.0	194	188	100	100	SW	1	Calm	0	5	10	—	4.2	24	Fine till 3p., then overcast.	
5	42	29.42	34.2	34.0	46.9	27.9	2.0	0.3	158	190	80	97	S	1	Calm	0	7	0	—	5.5	23	Misty a., then sunny.	
6	29.35	28.95	35.0	47.0	56.0	28.0	2.6	1.6	154	284	75	89	ESE	2	S	2	8.00	9	16	04	22	● 10a.-1p., and 6.30p.	
7	28.73	29.01	45.7	44.9	50.0	40.2	3.8	3.0	226	233	73	78	S	5	SW	5-6	8	0	—	5.0	29	Fine.	
8	29.35	57	43.0	32.6	48.3	32.6	2.1	0.4	232	177	83	96	SW	2	Calm	0	8	0	—	4.2	21	Fine.	
9	29.70	35	30.0	33.3	44.9	26.0	2.0	1.0	175	175	82	89	S	2	Calm	0	0	0	—	4.2	21	Fine.	
10	30.06	04	33.0	41.8	47.0	27.9	1.0	0.8	167	249	89	94	W	1	SE	4-5	2	100	17	5.5	20	Fine.	
11	29.32	79	42.7	35.8	50.0	35.3	2.7	1.8	218	177	80	84	W	5	W	3	9	0	05	0.3	35	● n. Gloomy day.	
12	95	29.76	32.7	42.0	45.9	27.0	0.7	1.5	172	235	92	89	S	1	S	2	6.00	100	17	3.3	22	Sunny a. ● after 6p.	
13	51	28.98	49.0	47.0	49.4	41.4	2.0	1.0	298	298	86	93	SE	3	ESE	6	10	10	17	—	37	Overcast. ● 10a.-8p.	
14	28.91	28.94	47.8	42.0	53.0	41.5	2.1	1.0	281	245	85	92	SSW	3	S	2	8	3	07	5.4	41	Fine. ● 1p. Clear n.	
15	29.06	29.33	42.0	39.0	46.0	38.2	0.7	2.6	252	188	94	80	S	1	W	3-4	9.00	10	03	—	34	Gloomy day.	
16	58	65	34.8	32.3	41.5	30.0	3.5	1.8	139	144	69	79	W	2	W	2	0	0	—	6.2	25	Fine. Brilliant moonlight.	
17	57	45	35.0	30.0	42.0	24.0	3.0	0.0	148	167	72	100	S	1	W	1	0	0	—	6.5	19	Very fine.	
18	29.52	29.78	36.9	39.6	44.8	30.0	1.9	1.6	183	211	84	87	W	4	WNW	5	9	6	—	2.4	20	△ a. Very cold.	
19	30.03	30.08	35.0	32.8	41.0	32.2	1.8	1.6	151	153	74	82	NNW	2	W	2	7	9	05	4.3	27	Fine. * 4.30p.	
20	29.94	29.89	37.0	33.0	38.3	29.0	1.0	1.2	200	163	91	86	W	2	W	3	10	0	—	4.5	27	Overcast a., then sunny.	
21	29.98	30.03	33.3	35.3	44.0	27.2	1.0	1.2	170	183	89	89	W	1	W	1	3	0	—	6.8	20	Very fine.	
22	30.04	30.05	27.2	25.1	42.6	23.0	0.0	0.0	148	136	100	100	SW	1	Calm	0	2.00	0	0	—	4.0	20	Fine till 2.30p.
23	29.99	29.93	24.3	35.0	38.0	19.2	2.0	0.6	131	192	100	94	Calm	0	SE	2	5*	100	20	—	19	≡ till 8a. ● 3p.-9p. * <sup>0</sup>	
24	30.02	95	39.0	39.5	42.6	34.0	2.0	0.5	199	212	84	88	SE	2	ESE	2	10	10	—	—	32	Gloomy day.	
25	29.77	81	35.4	33.0	41.0	32.3	1.0	1.2	188	163	91	86	NE	2	N	1	9.00	8	—	0.6	30	Overcast most of day.	
26	91	89	30.9	35.8	36.2	27.0	0.3	0.8	166	195	96	93	S	1	Calm	0	9.00	100	0	—	21	Gloomy day. * <sup>0</sup> n.	
27	78	42	41.0	36.0	43.0	35.0	1.0	0.3	235	200	92	97	SE	2-3	ENE	3	10	100	70	—	31	Gloomy. ● <sup>3</sup> 3.30p.-9p. *	
28	24	62	35.9	34.4	49.0	34.0	0.9	0.4	194	191	92	96	W	5	W	1	10	0	—	—	33	Gloomy day.	
29	77	83	30.0	31.0	37.0	27.8	0.0	0.0	167	174	100	100	S	1	Calm	0	7.00	10	0	—	0.8	20	Overcast most of day.
30	29.86	29.84	35.1	41.7	42.4	30.0	0.1	0.3	203	258	99	97	NW	1	N	2-3	9	100	29	—	25	≡ a. Gloomy. ● 5p.-9p.	
M.	29.563	29.566	37.1	36.9	45.0	31.4	1.5	1.1	195	201	87	91	2.2	2.1	6.8	5.2	2.30	87	27.0				

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—NOVEMBER 1910.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., -8 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 3' W. Lat. 51° 54' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
							Dep. of Wet.	Vapour Pressure.	Percentage.											
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	Min.			
1	ins.	ins.	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°			
2	28°89	28°93	47°	42°	56°	39°	2°0	4°2	283	191	85	70	W	3	W	2	5	5	Very windy a. • showers.	
3	29°10	29°13	43°9	39°6	46°9	36°5	4°2	2°6	201	193	71	79	W	4	W	2	5	0	Very pleasant day.	
4	°03	28°80	41°9	39°3	43°6	36°5	1°7	0°6	230	228	86	95	SE	2	S	2	10	10	Wet day.	
5	°11	29°25	43°2	30°7	49°0	30°7	1°3	0°5	250	158	89	92	Cal'm	0	Cal'm	0	0	0	Very pleasant day.	
6	29°06	29°31	35°1	31°0	45°7	28°8	0°3	1°0	198	149	97	86	Cal'm	0	S	2	5	0	Dull day.	
7	28°52	28°85	40°2	42°7	49°9	27°9	1°2	1°2	224	248	90	90	S	4	SE	2	10	0	Overcast. •	
8	°09	29°01	45°7	43°0	48°2	40°0	2°7	0°9	246	257	80	93	SW	4	SW	1	8	0	3 a. Stormy a., pleasant	
9	°58	°76	41°5	37°3	48°7	36°3	1°5	1°0	230	203	87	91	SW	2	SW	2	4	0	[later.	
10	°20	°36	42°0	31°0	42°6	30°7	2°5	0°4	215	163	80	94	W	2	Cal'm	0	5	0	Very pleasant day.	
11	°28	°06	35°7	44°1	50°0	26°9	3°3	2°1	149	242	70	83	SE	1	W	5	10	10	Bright to windy. •	
12	°77	29°35	40°7	33°0	46°0	32°0	3°7	0°6	208	175	73	92	W	2	W	1	5	10	Bright, then dull.	
13	°25	28°07	48°7	48°7	48°7	51°4	45°1	1°1	0°7	316	325	92	95	SE	3	SE	3	10	10	Bright to dull, with •.
14	28°76	28°77	47°7	47°7	47°7	50°0	43°6	1°8	2°0	287	240	87	84	SW	2	SW	1	5	10	Dull, with •.
15	28°93	29°28	42°6	36°3	44°2	35°4	0°5	1°3	262	188	96	88	Cal'm	0	NW	1	10	0	Bright a. • showers.	
16	29°50	°51	36°9	35°4	43°7	31°3	2°3	1°0	176	186	80	90	NW	1	NW	1	0	0	Very dark, with drizzle.	
17	°42	°36	33°3	31°5	39°5	24°5	1°9	1°9	151	135	79	76	NW	2	W	1	6	6	Very pleasant day.	
18	°58	°76	38°7	38°3	45°2	31°5	2°1	0°9	194	214	83	92	N	1	Cal'm	0	0	0	Very pleasant day.	
19	°08	°97	34°9	33°0	40°1	29°3	2°8	1°4	151	158	74	84	W	1	N	1	10	10	Very pleasant day. • n.	
20	°21	°88	°75	37°9	28°0	39°1	2°8	0°2	0°1	224	150	98	98	Cal'm	0	Cal'm	0	10	10	Bright to dull. •
21	°88	°88	27°7	26°0	36°5	24°2	0°2	0°2	145	134	96	95	Cal'm	0	Cal'm	0	10	10	• a. and p. Cold day.	
22	°89	°88	25°0	35°0	35°5	21°9	0°4	1°9	120	168	89	82	NW	1	Cal'm	0	10	10	• a. and p. Cold day.	
23	°73	°64	35°2	38°7	39°6	33°2	0°1	0°7	203	221	99	94	E	3	E	2	10	10	Dull, with •.	
24	°77	°71	39°2	38°7	40°7	33°7	0°3	1°2	233	211	97	89	NE	1	NE	2	10	0	Dull, with keen wind.	
25	°58	°64	38°5	31°0	39°8	30°4	1°8	0°4	198	163	85	94	E	1	Cal'm	0	10	10	Dull.	
26	°64	°37	36°1	37°0	29°6	1°1	0°8	1°7	190	87	93	SE	2	S	1	10	10	0	* early. Dull.	
27	°75	°64	38°7	39°2	42°4	34°0	0°0	0°7	235	225	100	94	W	2	SE	5	10	10	• all day.	
28	°61	°11	37°9	34°4	42°2	34°4	1°2	1°0	204	179	89	90	SE	1	SW	1	10	0	Dull.	
29	°28	°52	37°9	33°0	36°4	28°9	0°3	1°1	160	165	95	87	SE	1	E	1	10	0	Very cold.	
30	°63	°66	30°2	33°0	39°1	30°9	1°3	0°6	175	219	87	94	N	1	E	1	10	10	• all day.	
M.	29°73	29°74	34°7	38°3	39°4	30°9	1°5	1°1	209	200	87	89		1°6	1°5	7°3	5°4	3°80	84	25°6

## SOUTHAMPTON, HAMPSHIRE, a.—NOVEMBER 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +016 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).				Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.		Vapour Pressure.		Percentage.											
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	47.5	44.0	50.0	43.9	1.2	2.4	29.9	23.6	91	81	NW	4	NW	4	100	0	ins	hrs.	40	● 11.30 a., then fine.
2	29.08	29.13	45.3	38.8	50.1	38.1	5.0	1.6	20.0	20.5	66	87	NW	5	SW	3	0	0	—	7.2	34	Fine.
3	29.13	29.09	40.0	35.7	45.0	35.6	2.3	2.2	22.9	17.3	82	81	W	4	—	3	0	100	51.0	0.8	29	● 10a.—2p. Fine till 4.30p.
4	29.16	29.32	41.1	36.3	52.0	36.2	0.2	1.3	25.4	19.0	98	89	—	2	—	2	0	0	—	6.6	29	— Fine.
5	29.36	29.25	41.0	36.3	49.0	31.9	1.5	1.5	22.5	16.2	88	84	—	2	—	2	0	0	—	6.6	29	— Fine.
6	29.67	28.45	46.7	36.5	48.5	33.5	1.0	1.1	29.6	19.5	93	91	SSW	12	—	3	100	0	20.0	0.2	19	● 8.30a.—11.30a. Fine till 2p.
7	28.49	28.96	41.7	36.7	46.9	36.5	1.2	1.7	23.9	18.5	91	85	NW	5	—	3	1	0	0.20	4.6	36	Squally a. ● showers 1p.
8	29.19	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	3	1	0	—	4.7	25	Fine. — p.
9	29.62	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	3	1	0	—	6.1	17	— a. and p. Fine.
10	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	5	1	100	16.0	2.9	16	Fine a. ● 2.30p.—7.30p.
11	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	3	5	0	—	5.2	33	Fine. — p.
12	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	4	6≐2	100	0.30	0.7	20	● showers 4.30p.—9p.
13	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	4	10	10	16.0	—	46	● 9.15a.—8.30p.
14	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	2	1	1	11.0	3.8	36	Fine.
15	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	4	5	5	0.30	1.3	31	Fine a. ● showers p.
16	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	1	0	1	—	7.9	26	Fine. —
17	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	2	10	0	0.03	3.4	24	Dull a. — a. and p. Bright
18	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	5	1	0	—	5.8	24	* 1a. — a. Fine.
19	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	3	2	4	—	5.6	26	— a. and p. Fine.
20	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	2	10	1	0.60	0.2	27	— ● 10a.—11a.
21	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	4	0	0	—	5.8	16	— a. and p. Fine.
22	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	—	1	4≐2	0	0.20	0.3	17	≐2
23	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	SE	4	100	100	0.60	—	23	● 8a.—9p.
24	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NE	3	10	100	0.80	—	40	Drizzle and mist all day.
25	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NE	3	100	4	0.10	—	38	Drizzling ● till 11a.
26	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	SE	2	10	2	0.30	—	21	* 7.45a.—10.30a. Dull.
27	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	SW	4	100	100	0.600	—	29	Misty a., then steady ●.
28	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NW	2	9	0	—	3.8	37	Dull to fine.
29	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NE	4	2≐2	10	—	—	18	≐2
30	29.67	29.40	36.0	30.0	43.9	30.0	2.1	1.1	17.3	13.8	81	82	SW	7	NE	6	100	100	51.0	—	34	Steady ●.
M.	29.587	29.579	40.1	40.0	47.6	34.6	1.9	1.6	21.3	23.9	85	87	2.4	3.0	5.3	3.6	3.783	87	27.7			

## PLYMOUTH, DEVONSHIRE, a.—NOVEMBER 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long 4° 8' W. Lat. 50° 22' N. Gravity Correction, +015 in.

1	29.16	29.23	53.6	46.0	56.7	45.4	1.0	2.4	383	257	93	83	W	29	SW	19	100	80	10	3.4	50	☉ showers.	
2	29.39	29.39	45.0	43.4	49.9	41.4	3.3	2.1	227	235	76	84	W	14	—	3	100	8	14	5.1	36	Squally, with ☉.	
3	29.10	28.97	43.6	45.6	53.2	41.1	0.9	1.6	263	269	93	88	S	18	N	12	100	8	30	2.8	31	☉ showers.	
4	29.22	29.40	45.5	43.4	50.0	41.0	1.2	1.4	277	251	92	89	—	1	NNE	4	8	8	0.2	40	33	A few ☉ showers.	
5	29.39	29.36	43.6	45.4	50.6	37.5	1.6	2.4	248	249	88	83	N	6	—	2	6	8	0.6	5.3	31	Fine.	
6	29.27	29.04	52.4	44.4	53.6	43.4	3.3	2.4	309	240	79	82	WSW	26	W	19	10	10	—	0.2	31	Overcast and squally.	
7	28.89	29.00	48.0	49.1	53.0	43.0	2.0	1.3	285	316	86	91	W	25	WSW	18	10	10	1.6	3.7	39	Squally. Sunny intervals.	
8	29.37	29.58	47.0	42.6	50.0	41.5	1.3	1.6	291	237	91	86	WSW	9	—	2	7	8	0.8	3.9	34	☉ showers a.	
9	29.74	29.90	37.3	36.9	48.3	31.1	1.3	1.9	197	183	89	83	—	2	—	0	10	7	0.8	7.3	25	Fine and sunny.	
10	30.00	30.11	40.0	50.1	50.3	30.2	2.0	2.1	207	308	84	85	E	6	WSW	30	8	100	3.2	0.8	26	Fine, then ☉ showers.	
11	29.60	29.83	50.0	41.0	52.3	40.1	5.0	1.2	245	231	68	90	NW	10	—	2	8	8	—	6.2	46	Fine and bright.	
12	29.70	29.41	52.0	53.0	53.0	33.0	1.1	0.7	233	399	91	95	E	4	SW	24	10	10	1.8	—	28	Fine a., then ☉ showers.	
13	29.28	28.87	52.7	52.0	53.8	46.1	0.7	0.8	378	366	95	94	SE	28	WSW	11	100	100	0.7	44	—	42	☉ showers.
14	28.95	28.88	49.0	48.0	52.0	45.3	2.7	3.0	283	263	81	79	W	14	W	16	7	10	1.7	3.3	32	Fine, then ☉ showers.	
15	29.04	29.46	46.0	42.0	49.5	40.9	1.6	1.9	274	227	89	86	N	10	NNW	14	4	5	0.4	3.3	31	Sunny, then dull, with ☉.	
16	29.67	29.66	42.0	40.4	45.0	38.0	3.1	1.5	205	220	77	88	N	11	NNW	5	4	5	0.6	6.8	30	Fine and bright. ☉ in evening.	
17	29.76	29.94	43.6	44.0	47.7	36.1	3.6	2.9	209	226	74	85	NW	9	N	20	5	6	0.6	2.3	29	☉ showers. Sunny intervals.	
18	29.12	30.13	39.0	38.0	47.5	35.6	2.0	1.7	199	195	84	85	N	6	—	1	10	10	0.6	2.3	29	Fine and bright.	
19	29.93	29.88	41.4	42.0	47.5	33.9	0.4	1.0	252	245	97	92	—	0	NE	9	100	10	2.5	—	26	☉ a.	
20	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
21	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
22	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
23	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
24	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
25	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
26	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
27	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
28	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
29	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
30	29.93	29.98	41.0	40.6	47.0	37.7	2.3	2.6	210	201	82	80	E	9	—	5	10	8	0.7	0.3	34	Fine.	
M.	29.546	29.563	44.9	44.3	50.2	39.4	1.9	1.8	259	256	86	87	12	10	8.8	8.7	4.75	76	35.0				

\* Miles per hour.

† Beaufort Scale (0—12).

## ARMAGH, a.—NOVEMBER 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +025 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								9 a.m.
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	*	*			ins.	hrs.	°	
2	28°84	28°89	43°1	36°2	53°8	36°2	2°3	2°2	229	173	82	81	W	W	4	2	283	42	36	
3	29°13	29°09	40°0	35°7	45°0	35°6	1°8	0°9	211	194	86	92	WSW	WSW	5	9	007	53	31	
4	28°86	28°86	40°6	40°1	47°2	35°6	1°2	1°8	227	212	90	85	SSW	SW	4	10	—	19	31	
5	29°16	29°32	41°1	36°3	52°0	36°2	0°2	1°3	224	190	93	89	—	2	2	9	0	—	53	32
6	29°36	29°25	41°0	33°5	49°0	39°0	1°5	1°5	225	162	88	84	—	1	WSW	4	1	0	033	32
7	28°67	28°45	46°7	36°5	48°5	33°5	1°0	1°1	236	195	93	91	SSW	SSW	15	9	1	010	30	
8	28°49	28°96	41°7	36°7	46°9	36°5	1°2	1°7	239	185	91	85	NW	5	3	9	9	—	410	30
9	29°19	29°40	36°0	30°0	43°9	30°0	2°1	1°1	173	138	81	82	SW	7	2	2	0	—	46	27
10	62	79	34°5	30°6	47°3	29°2	1°5	1°0	170	146	84	85	SW	4	WSW	4	0	0	47	22
11	67	74	36°4	37°1	39°7	28°7	2°2	0°0	175	221	81	100	S	9	3	10	10	0	080	21
12	64	74	36°4	37°1	39°7	28°7	2°2	0°0	175	221	81	100	S	9	3	10	10	0	010	54
13	63	79	33°7	34°6	47°8	30°8	0°5	0°7	184	187	94	94	—	2	SW	6	4	0	—	23
14	29°00	28°74	38°7	50°5	51°4	34°4	1°4	0°6	208	352	89	95	SW	5	S	14	10	10	230	—
15	28°63	28°73	46°7	41°4	51°2	41°4	0°8	0°6	301	249	94	95	S	7	—	1	10	10	005	—
16	29°21	28°73	41°4	39°9	45°2	35°3	0°2	0°8	256	229	99	94	S	4	SW	4	10	9	060	03
17	53	50	31°2	31°7	42°0	31°7	2°4	0°5	194	168	81	94	N	5	—	3	10	5	060	26
18	45	50	31°2	30°2	39°2	29°3	1°3	0°0	144	168	82	100	WNW	4	SW	5	8	8	010	63
19	29°71	30°00	32°9	31°2	41°0	29°0	1°6	1°5	154	139	82	79	SW	4	W	4	3	0	010	59
20	30°02	29°89	41°9	31°7	45°7	28°0	2°7	1°1	212	153	81	85	NNW	7	—	3	2	0	—	47
21	87	82	33°7	35°9	37°3	28°8	2°0	1°9	153	176	79	83	SW	5	SW	7	10	10	—	17
22	90	86	32°4	28°2	36°3	27°5	2°2	1°0	138	124	75	81	SW	4	—	2	0	3	—	44
23	80	86	25°0	34°0	40°0	20°8	0°9	0°8	103	180	77	91	—	0	SE	5	0	7	—	33
24	80	71	39°2	43°5	43°9	32°8	1°4	1°5	212	249	88	98	SE	4	SE	8	10	10	430	21
25	52	44	47°7	44°7	47°0	42°7	0°5	0°0	284	296	96	100	ESE	15	S	2	10	10	150	39
26	58	56	46°5	46°0	49°0	44°5	0°9	0°5	295	299	93	97	SSE	10	S	5	9	10	070	03
27	63	63	46°0	45°0	48°4	44°8	0°0	0°2	311	294	100	98	—	1	—	10	10	10	030	—
28	49	56	39°8	41°7	47°0	35°2	1°1	0°5	223	253	92	96	SW	6	SW	4	2	10	—	62
29	68	49	34°0	35°5	42°8	33°3	0°0	0°2	190	204	100	98	—	2	—	2	10	10	—	34
30	77	57	30°8	30°8	44°0	30°8	0°5	1°0	200	147	96	86	—	3	W	4	7	1	013	49
31	88	83	33°3	33°3	44°2	30°6	0°8	1°0	174	170	91	89	—	3	—	3	0	0	—	58
M.	29°393	29°406	38°2	36°4	45°5	33°0	1°2	0°9	209	200	88	90	5	4	6°2	5°4	1°961	88	28°7	20

## DUBLIN (PHOENIX PARK), a.—NOVEMBER 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	
1	ins.	ins.	44.3	38.9	54.8	37.9	2.4	1.0	.239	.218	81	93	W	13	W	12	9	8●	ins.	hrs.	°	Cloudy.	
2	28.97	29.01	44.3	38.9	54.8	37.9	2.4	1.0	.239	.218	81	93	W	13	W	12	9	8●	.190	5.6	33	● a. and p.	
3	28.93	28.95	40.8	42.1	45.5	36.4	1.1	1.2	.232	.242	92	90	—	1	WSW	5	10	0	.060	5.3	33	● a. and p.	
4	29.19	29.38	43.9	36.4	49.1	35.9	1.2	0.6	.260	.204	91	95	NW	4	WNW	4	10	0	.120	0.3	33	Overcast to cloudy.	
5	29.41	29.38	34.8	34.4	46.6	29.9	1.1	0.4	.180	.191	90	96	—	3	W	5	6	0	—	4.9	33	● early a.	
6	28.87	28.65	48.7	39.5	51.7	33.9	2.2	1.7	.291	.209	85	86	SW	15	SW	15	7	3	.025	7.5	26	Fine and bright.	
7	28.58	29.05	43.9	35.1	47.9	34.9	2.2	0.3	.240	.199	84	97	W	12	WSW	6	9	0	.295	4.4	29	● showers a. and p.	
8	29.29	29.46	34.6	36.8	44.7	31.8	0.9	0.9	.183	.201	92	93	WSW	5	W	6	2	10	.065	1.7	35	Cloudy.	
9	29.70	29.86	31.9	29.0	44.0	28.5	0.5	0.1	.167	.157	94	98	W	6	—	3	0	0	.010	6.0	29	Cloudy.	
10	29.78	29.42	36.9	41.4	48.8	22.7	1.3	1.4	.194	.231	89	89	—	2	WNW	16	9	10	.010	6.0	29	Fine and bright.	
11	29.48	29.79	36.1	34.3	47.1	32.1	0.8	0.5	.198	.188	93	95	W	5	W	5	2	0	.140	1.7	30	Overcast. ● a. and p.	
12	29.72	29.34	41.8	52.6	52.8	34.0	2.5	2.0	.215	.243	81	86	SSW	6	SW	11	10	9	.70	3.0	30	Fine and bright.	
13	29.10	28.79	46.3	40.0	53.2	40.0	0.4	0.1	.305	.245	97	99	—	0	—	3	10●	10	.350	2.8	44	● a. Overcast.	
14	28.69	28.81	42.6	37.0	48.8	36.4	0.8	0.1	.250	.218	93	99	—	3	W	5	9	2	.290	—	44	● a. Overcast.	
15	29.22	29.51	40.8	31.0	43.3	30.4	0.9	0.1	.216	.151	85	86	NNW	11	W	6	10	0	.052	2.0	32	Cloudy, with ● showers.	
16	29.62	29.60	32.4	28.8	39.9	28.1	1.4	0.4	.153	.147	83	93	W	5	W	6	0	0	.010	2.0	32	Cloudy, with ● showers.	
17	29.54	29.58	29.0	31.0	38.9	25.5	1.5	0.8	.118	.153	75	87	W	7	WNW	8	2	0	.68	2.4	22	Fine and bright.	
18	29.73	30.05	37.9	31.1	45.3	29.1	1.1	0.7	.207	.157	91	89	W	9	WNW	5	1	0	.50	2.2	22	Fine and bright.	
19	30.10	29.98	31.7	38.7	40.7	25.1	1.6	0.3	.143	.191	79	82	W	5	WSW	6	4	10	.008	1.9	19	Cloudy and overcast.	
20	29.94	29.88	35.2	28.2	42.0	27.4	1.3	0.2	.181	.149	88	97	WNW	4	—	1	2	10	.54	3.2	32	Cloudy.	
21	29.93	30.10	39.9	43.7	26.1	2.2	2.3	123	.201	.70	82	—	2	ESE	6	3	3	—	.27	2.2	22	Cloudy to overcast.	
22	29.86	29.78	42.9	44.2	44.7	39.6	2.8	0.8	.218	.272	80	94	SE	8	ESE	8	10	10	.650	—	35	Overcast, with ● showers.	
23	29.48	29.60	46.9	49.3	52.8	43.9	0.9	0.3	.299	.344	94	98	ESE	11	W	7	10●	10	.260	—	43	● a. Overcast.	
24	29.69	29.64	46.4	48.0	51.2	44.7	1.3	0.3	.284	.327	91	98	—	2	—	1	10	10●	.270	1.3	44	● showers.	
25	29.60	29.70	46.6	45.5	49.5	43.9	0.4	0.5	.308	.293	97	96	—	1	—	3	10	9	.026	—	43	● a. ● showers.	
26	29.73	29.65	35.8	41.7	48.1	33.2	0.5	0.7	.201	.249	96	94	—	1	—	1	8	4	.35	—	28	Cloudy.	
27	29.53	29.33	34.9	42.1	43.6	31.9	0.2	0.3	.199	.262	98	97	NNE	7	W	8	0●	—	.255	—	29	Overcast, with ●.	
28	29.46	29.59	35.7	33.3	42.7	32.9	0.7	0.5	.196	.180	94	94	W	5	W	6	8	0	.60	3.4	34	Cloudy.	
29	29.72	29.83	31.2	29.4	37.9	27.2	0.2	0.4	.171	.152	98	93	W	4	—	2	2	0	.36	2.5	25	Cloudy.	
30	29.91	29.94	25.3	33.5	36.2	22.9	0.3	0.6	.127	.180	93	93	—	3	N	6	8	3	—	—	21	Overcast.	
M.	29.467	29.488	38.3	37.7	46.0	32.7	1.2	0.8	.210	.215	89	93	5	6	6.3	4.2	3.068	94	30.4				

## BIRR CASTLE, KING'S COUNTY, a.b.—NOVEMBER 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar.,—2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	29.01	29.15	44.9	41.1	56.6	31.8	2.7	2.1	238	214	81	83	WSW	5	W	6	100	100	115	4.1	—	● showers.
2	29.30	29.26	40.3	37.2	45.7	31.7	1.9	0.7	212	208	85	94	WNW	3	WSW	1	4	100	139	5.5	—	● showers.
3	28.91	28.94	40.9	42.5	45.8	35.8	1.0	1.8	235	234	92	86	Calm	0	WSW	1	100	100	188	1.6	—	● a. Cloudy.
4	29.16	29.39	42.9	36.8	49.7	35.7	1.9	0.8	235	202	85	93	WNW	2	N	2	10	10	210	3.9	—	● showers.
5	29.41	29.35	37.2	35.7	45.7	30.8	0.4	0.7	214	196	96	94	NNW	1	NW	2	7	10	210	6.5	—	● showers.
6	28.83	28.66	48.5	39.9	50.8	34.2	1.5	2.0	303	207	89	84	W	3	W	5	100	100	202	4.3	—	● showers. T 9.30p.
7	28.67	29.04	44.6	35.7	45.8	33.8	2.5	1.4	239	184	81	87	WNW	5	NNW	2	8	10	101	0.4	—	● showers.
8	29.27	29.45	32.8	36.8	44.5	31.1	0.7	0.8	173	202	92	93	W	2	W	1	6	10	109	4.5	—	Cloudy. ● showers p.
9	29.69	29.81	30.8	28.8	45.1	25.0	0.8	0.7	152	138	88	87	NW	2	Calm	0	4	6	109	5.8	—	Cloudy and cold.
10	29.74	29.44	38.9	43.9	49.8	25.8	1.2	2.0	214	244	91	85	SW	3	W	5	100	10	147	0.5	—	Overcast, with ●.
11	29.46	29.77	39.0	32.8	45.8	31.9	1.1	0.8	216	170	91	91	W	2	Calm	0	10	10	219	5.8	—	—
12	29.68	29.28	38.9	52.0	52.3	32.1	1.1	2.0	216	335	92	86	S	3	SSW	4	100	10	417	—	—	● a.
13	29.03	28.77	46.7	36.0	52.2	36.0	0.7	0.4	302	204	95	96	Calm	0	Calm	0	100	5	233	0.5	—	Cloudy.
14	28.66	28.81	43.9	39.4	48.3	32.4	0.6	2.9	273	186	95	78	Calm	0	W	1	9	5	300	1.0	—	Cloudy.
15	29.23	29.53	39.8	33.0	48.7	31.0	2.6	1.3	195	161	80	85	WNW	2	N	2	6	8	—	3.4	—	Cloudy and cold.
16	29.63	29.60	30.9	33.0	43.0	26.8	0.6	3.9	158	113	92	61	NW	2	WNW	2	10	6	—	5.8	—	—
17	29.56	29.63	27.8	30.8	39.7	23.2	0.6	1.6	133	134	88	76	N	3	N	3	5	5	006	5.3	—	* shower 5p.
18	29.77	30.07	36.9	31.0	44.7	28.8	0.9	1.0	201	148	92	85	WNW	2	NW	1	3	6	—	5.2	—	—
19	30.08	29.95	29.8	37.3	46.0	25.4	0.8	1.3	144	197	86	89	NNW	2	Calm	0	10	10	201	—	—	Overcast.
20	29.89	29.82	36.0	35.8	40.0	33.8	0.6	1.7	201	179	95	85	SE	1	E	2	8	10	—	2.3	—	Cloudy.
21	29.84	29.79	39.9	42.7	44.7	33.2	2.4	2.7	200	218	81	80	S	3	ESE	5	10	10	122	—	—	Overcast.
22	29.74	29.66	43.8	47.0	48.7	38.6	1.0	1.1	264	296	92	92	S	4	SSE	5	10	10	542	—	—	Gloomy.
23	29.41	29.57	51.8	48.2	54.7	45.9	0.9	1.2	361	307	93	92	S	2	W	2	100	10	116	—	—	● a.
24	29.60	29.58	47.9	48.1	52.8	45.8	1.0	1.2	309	306	93	91	S	3	S	1	8	10	108	0.8	—	Cloudy.
25	29.58	29.70	45.5	44.7	49.7	44.0	0.8	0.7	287	279	95	94	Calm	0	Calm	0	10	8	103	1.1	—	≡ a. Cloudy.
26	29.70	29.61	37.4	37.9	44.9	33.8	0.6	0.9	212	209	95	92	W	1	S	1	7	8	019	0.3	—	Cloudy.
27	29.47	29.33	36.7	41.7	42.0	32.0	0.7	0.7	180	204	92	94	W	1	S	2	10	10	—	—	—	Overcast.
28	29.47	29.58	32.8	32.7	42.8	29.2	0.8	0.7	170	172	91	92	NW	2	W	1	7	8	—	5.2	—	—
29	29.70	29.82	32.6	30.8	40.9	27.8	0.8	0.7	169	155	90	90	NW	1	Calm	0	3	10	003	6.9	—	—
30	29.89	29.93	25.7	28.8	33.7	24.0	0.7	0.8	115	135	83	86	Calm	0	Calm	0	10	10	—	—	—	Overcast, with ≡.
M.	29.444	29.476	38.8	37.9	46.5	32.4	1.1	1.4	217	205	90	87	2.0	1.9	8.2	8.8	2.879	81	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—NOVEMBER 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, or the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS.†					NORTH SHIELDS.†					GREAT YARMOUTH.†‡						
Height of Cops above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cops above—Roof 8 ft., Ground 60 ft.¶, M.S.L. 138 ft.					Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 62 ft. Height of Cops above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust.
	D. V.	D. V.	D. V.	Hour.							D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.
1	30, 23	29, 24	28, 30	23							22, 15	24, 18	22, 12	22, 18	— 51	1. 25
2	27, 25	25, 21	27, 32	5							24, 14	25, 15	23, 10	23, 9	— 28	3. 10
3	8, 4	4, 13	3, 18	22							21, 8	19, 5	10, 12	4, 20	— 26	23. 30
4	1, 21	1, 21	1, 27	2							23, 10	22, 6	22, 5	22, 6	— 24	1. 30
5	2, 4	— 2	32, 16	6, 7							24, 7	25, 7	26, 5	26, 5	— 16	13. 45
6	11, 19	8, 32	6, 43	24							21, 7	16, 10	20, 13	22, 15	— 38	15. 25
7	3, 44	2, 31	4, 56	6							18, 14	19, 18	22, 19	22, 22	— 44	13. 30
8	27, 21	26, 19	32, 34	2, 6							22, 12	23, 10	21, 7	21, 7	— 29	2. 40
9	29, 34	29, 34	25, 38	4							21, 7	24, 9	22, 10	24, 10	— 22	11. 20
10	25, 20	24, 7	28, 27	1							24, 10	22, 9	16, 7	16, 14	— 25	22. 30
11	3, 18	— 2	3, 19	11							24, 19	29, 14	28, 9	26, 14	— 43	13. 20
12	4, 8	7, 9	9, 24	24							24, 4	21, 9	18, 7	18, 5	— 32	23. 55
13	9, 34	8, 21	9, 41	11							16, 12	15, 12	13, 22	13, 21	— 41	17. 45
14	5, 33	2, 40	2, 40	18							20, 11	16, 14	10, 10	16, 8	— 42	0. 5
15	29, 34	28, 35	29, 37	11							17, 7	23, 7	27, 8	26, 12	— 27	21. 30
16	24, 37	27, 30	24, 43	14							25, 17	26, 15	23, 11	23, 10	— 31	3. 10
17	1, 25	1, 23	31, 33	5, 7							21, 8	— 3	20, 4	22, 4	— 18	5. 50
18	29, 26	31, 24	32, 34	6							22, 13	23, 18	32, 23	32, 19	— 39	18. 45
19	30, 18	27, 11	29, 22, 23	2, 24							* *	20, 15			— 34	13. 40
20	30, 21	30, 23	30, 33	5											— 24	13. 30
21	32, 17	1, 15	31, 21	5											— 23	12. 15
22	— 3	7, 4	1, 9	1											— 17	10. 55
23	12, 27	12, 32	13, 34	20, 21, 22											— 23	23. 45
24	13, 32	13, 35	13, 35	16, 18											— 30	10. 20
25	12, 24	11, 20	12, 30	11											— 30	18. 25
26	3, 6	— 3	13, 12	1											— 24	20. 35
27	31, 4	6, 7	6, 2, 7	18, 22, 24											— 41	21. 50
28	9, 12	6, 13	1, 23	24											— 39	9. 10
29	30, 24	30, 20	31, 29, 26	7, 8											— 14	0. 10
30	33, 17	1, 14	32, 20	11							2, 19	3, 19	3, 27	3, 32	— 39	18. 30
No record.											Instrument under repair.					

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡							HOLYHEAD.†§						
Height of Cups above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.							Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cups above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
2	24, 16	26, 15	24, 23	2	26, 36	25, 34	26, 40	26, 38	—	60	24, 35	24, 34	24, 39	24, 38	—	*		
3	24, 15	24, 5	25, 15	12	28, 37	27, 27	28, 28	27, 29	—	55	26, 39	24, 34	25, 33	25, 28	—	*		
4	—	—	22, 6	4	20, 10	18, 5	—	3, 1, 4	—	39	22, 10	30, 7	2, 13	18, 5	—	*		
5	28, 4	—	2	30, 28, 4	16, 5	32, 7	30, 10	2, 4	—	15	—	2, 14, 7	28, 8	26, 18	—	31		
6	—	31, 4	30, 31, 4	17, 18	1, 10	32, 10	2, 6	30, 4	—	14	32, 13	32, 12	30, 9	25, 11	—	28		
7	14, 15	22, 16	15, 18	14	14, 19	14, 19	23, 34	21, 30	—	16	20, 18	19, 29	22, 29	21, 27	—	62		
8	26, 15	26, 15	16, 19	4, 7, 8	19, 22	27, 30	27, 30	26, 30	—	47	25, 41	25, 38	25, 35	26, 23	—	60		
9	26, 12	—	26, 14	2, 3	27, 17	26, 19	14, 5	19, 14	—	37	26, 18	25, 16	22, 14	24, 15	—	32		
10	23, 7	27, 13	28, 14	19	—	2, 25, 16	27, 25	28, 20	—	35	15, 5	27, 20	27, 23	27, 15	—	34		
11	—	3, 14, 15	14, 15	18	12, 10	14, 12	13, 18	14, 9	—	37	14, 15	18, 16	20, 25	22, 29	—	53		
12	2, 6	28, 5	25, 14	2	31, 13	30, 13	31, 12	2, 5	—	44	28, 27	5, 9	31, 9	27, 8	—	51		
13	—	3, 15, 8	13, 10	19	14, 9	15, 10	12, 16	14, 19	—	26	21, 8	18, 14	17, 23	19, 22	—	41		
14	15, 16	11, 7	16, 18	10	15, 16	14, 16	12, 14	11, 11	—	27	17, 12	13, 6	13, 10	17, 8	—	38		
15	20, 6	—	22, 11	6	22, 14	20, 14	—	3, 14, 4	—	31	20, 15	21, 9	—	24, 5	—	29		
16	32, 6	28, 7	30, 11	14, 15	32, 18	31, 24	31, 18	31, 13	—	35	32, 37	32, 29	27, 34	27, 30	—	51		
17	24, 10	25, 10	24, 26, 10	6-8, 11, 19	26, 30	26, 26	29, 15	27, 29	—	47	25, 32	24, 26	24, 25	25, 23	—	42		
18	24, 4	25, 10	28, 18	22	26, 20	27, 26	26, 29	28, 30	—	47	26, 23	26, 31	26, 36	26, 34	—	49		
19	29, 11	29, 12	26, 18	2	29, 29	29, 32	30, 26	29, 23	—	47	27, 28	30, 31	28, 32	30, 27	—	50		
20	28, 6	—	28, 7	3	29, 13	31, 8	10, 6	22, 20	—	34	30, 16	—	2, 22, 14	22, 17	—	44		
21	26, 7	29, 4	28, 15	11	29, 9	30, 19	31, 10	32, 11	—	33	32, 14	30, 12	1, 15, 4	9	—	33		
22	—	—	—	14, 15	2, 6	32, 4	2, 7	7, 5	—	11	9, 4	8, 8	8, 10	8, 13	—	17		
23	—	—	30, 4	9	11, 8	11, 5	11, 10	11, 11	—	15	9, 6	10, 7	9, 12	10, 11	—	16		
24	7, 4	8, 7	6, 8, 7	16, 18, 19, 22	11, 18	12, 22	12, 21	12, 20	—	32	10, 13	9, 10	8, 7	10, 7	—	21		
25	11, 5	—	10, 7	1, 3	12, 10	12, 18	13, 18	12, 16	—	31	15, 11	15, 12	14, 13	15, 12	—	23		
26	—	—	8, 5	7	10, 6	9, 9	10, 6	11, 6	—	24	13, 4	—	3, 17, 10	15, 12	—	24		
27	—	—	16, 5	9	13, 13	12, 11	13, 11	13, 12	—	18	8, 25	25, 11	21, 9	19, 8	—	28		
28	2, 4	2, 6	2, 4, 7	19, 22	12, 13	12, 11	7, 15	6, 16	—	22	6, 5	9, 4	5, 22	4, 26	—	37		
29	27, 7	—	28, 10	9, 11	30, 18	29, 21	22, 10	28, 13	—	25	30, 18	26, 9	26, 23	25, 25	—	33		
30	—	—	—	1-4, 10, 14, 16, 17, 19-22, 24	6, 4	—	3, 32, 4	5, 4	—	10	24, 5	3, 7	3, 7	8, 4	—	27		
	—	32, 6	1, 7	17	4, 5	2, 9	1, 14	1, 16	—	21	7, 7	4, 12	3, 16	4, 17	—	30		

GLASGOW.†					KINGSTOWN.†							ROCHES POINT.‡						
Height of Cups above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cups above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.							Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.		
1	23, 14	23, 6	26, 17	12	23, 29	24, 34	22, 29	23, 31	24, 35	1	—	18	—	14	—	51		
2	23, 9	25, 7	25, 12	11	22, 25	24, 29	22, 23	21, 27	24, 35	4	—	37	—	20	—	58		
3	19, 7	—	19, 7	11	—	2, 26, 12	25, 12	23, 12	22, 26	1	—	7	—	16	—	46		
4	32, 7	32, 4	32, 7	13, 14	30, 10	32, 14	24, 14	24, 16	24, 19	22, 24	—	23	—	20	—	34		
5	—	3	31, 5	7, 8	24, 17	28, 12	24, 11	23, 15	24, 20	3, 10	—	15	—	24	—	32		
6	9, 12	19, 7	9, 13	10	18, 15	22, 37	20, 29	20, 29	22, 20, 42	14, 24	—	19	—	15	—	62		
7	29, 13	21, 9	29, 13	13	24, 30	24, 34	22, 18	22, 20	20, 40	2	—	42	—	35	—	19		
8	29, 4	—	26, 11	1	22, 13	23, 14	21, 19	22, 17	22, 21	16, 18	—	13	—	14	—	23		
9	26, 10	26, 6	25, 14	12	23, 21	24, 17	24, 12	23, 9	23, 21	9	—	8	—	6	—	21		
10	—	3, 8, 8	6, 10	20	16, 10	18, 12	21, 29	25, 34	25, 34	21	—	5	—	27	—	42		
11	32, 7	—	32, 7	13	24, 18	28, 15	24, 11	23, 12	24, 26	1	—	10	—	17	—	24		
12	—	6, 7	6, 13	22, 23, 24	17, 7	15, 15	18, 15	19, 20	16, 19, 23	15, 22	—	23	—	22	—	41		
13	—	3, 6	6, 13	1	—	2, 12, 4	28, 10	25, 15	25, 15	23	—	1	—	5	—	35		
14	—	3, 6	3, 6	21, 22	—	2, 12, 4	28, 10	25, 15	24, 21	24	—	15	—	21	—	61		
15	29, 7	28, 4	31, 11	4	30, 23	28, 22	25, 20	24, 19	30, 30	10	—	35	—	33	—	55		
16	25, 10	24, 8	25, 13	12	24, 24	24, 23	24, 18	23, 18	24, 24	5, 9, 10	—	7	—	9	—	39		
17	26, 14	26, 14	26, 16	19	24, 22	24, 23	24, 26	24, 25	24, 29	15	—	13	—	22	—	34		
18	30, 12	30, 6	31, 15	11	24, 24	28, 25	25, 20	24, 19	22, 34	14, 5	—	11	—	25	—	40		
19	—	—	24, 5	2	24, 10	22, 4	22, 22	22, 19	24, 22, 23	5	—	5	—	12	—	23		
20	27, 7	—	30, 9	14	32, 9	32, 10	23, 9	25, 6	24, 15	1	—	11	—	13	—	36		
21	—	—	—	2, 15, 16, 20	10, 18	12, 14	12, 15	13, 15	10, 18	9	—	25	—	29	—	40		
22	—	—	—	7, 22	15, 12	15, 14	15, 15	15, 15	15, 23	24	—	28	—	21	—	38		
23	6, 10	6, 11	6, 12	12	15, 26	14, 8	—	24, 18	15, 26	9	—	—	—	—	—	?		
24	6, 7	7, 7	6, 10	4	16, 5	15, 10	15, 8	15, 7	25, 16, 12	1, 23	—	—	—	—	—	?		
25	7, 4	7, 5	7, 8	10	—	2	—	24, 14	27, 12	24, 14	18	—	—	—	—	?		
26	20, 4	19, 4	18, 7	24	26, 5	21, 7	20, 5	20, 8	24, 15	2	—	1	—	3	—	?		
27	—	—	17, 11	6	32, 8	7, 12	4, 23	6, 24	6, 5, 26	19, 20, 22	—	—	—	17	—	?		
28	1, 4	—	8, 2, 1, 4	2-4, 9, 12, 13, 15, 16	24, 20	24, 21	24, 22	24, 17	24, 23	10, 11	—	14	—	—	—	?		
29	27, 4	—	27, 5	16	25, 16	24, 13	24, 12	24, 12	24, 22	3	—	—	—	15	—	?		
30	—	—	—	24	24, 13	26, 10	30, 13	4, 21	4, 25	22	—	13	—	16	—	22		

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNESSE, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^3$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

§ Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.

¶ Dines Pressure Tube Anemometer.

## OBSERVATIONS AT STATIONS OF THE SECOND ORDER AND AT ANEMOGRAPH STATIONS.

DEERNESSE, ORKNEY, a.b.—DECEMBER 1910.

Height above Mean Sea Level, 160 feet. Heights above ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.

Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
							Dep. of Wet.		Vapour Pressure.										Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	*	*			ins.			Fair a. Frosty p. ☙																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
2	30°13	30°20	37°4	34°7	39°7	34°3	1°6	1°1	1°192	1°180	86	90	NNE	7	NE	4	2	0	—	47	0°1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## TILLYPRONIE, ABERDEENSHIRE.—DECEMBER 1910.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 57° 10' N. Gravity Correction, +.030 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.						
							Dep. of Wet.		Vapour Pressure.										Percentage.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.						
1	28.99	29.18	33.5	34.0	36.0	33.0	0.9	2.0	173	156	90	79	NW	4	N	2	10	6	ins.	hrs.	10	Dull.	∞ <sup>0</sup>	
2	29.19	29.15	30.0	34.5	37.5	34.0	0.9	1.5	158	170	74	84	NE	2	NE	4	7	8	—	—	—	Dull.	∞	
3	28.95	28.71	35.0	36.0	40.0	32.5	0.5	2.5	194	167	95	78	NE	4	SE	5	8	8	—	—	—	Dull.	∞	
4	28.37	28.16	34.5	40.0	40.0	31.0	1.0	1.5	180	217	90	88	SE	5	E	2	8	9	—	—	—	Dull.	∞	
5	27.96	27.84	43.0	44.5	45.0	37.5	0.5	2.0	266	249	96	85	E	5	S	6	9	6	—	—	—			
6	28.10	28.08	41.5	42.0	45.0	40.5	0.5	0.5	251	256	96	96	S	4	E	4	8	8	—	—	—			
7	10	20	39.5	34.5	43.0	32.0	2.5	1.0	194	180	80	90	NW	4	SW	4	2	4	—	—	—	Sunshine and ∞.		
8	28.15	28.05	40.0	42.0	42.0	30.5	1.0	0.5	226	256	92	96	SE	5	SE	5	8	9	—	—	—	Dull.	∞	
9	27.80	27.59	41.5	43.5	44.5	41.5	0.5	1.0	251	260	96	92	SE	6	SE	7	10	8	—	—	—	Dull.	∞	
10	70	79	43.5	42.5	43.5	41.0	1.0	0.5	260	261	92	96	SE	6	SE	6	10	10	—	—	—	Dull.	∞	
11	85	94	44.0	42.5	44.5	41.5	0.5	0.5	277	261	96	96	SE	5	SE	5	10	10	—	—	—	Dull.	∞	
12	95	94	40.5	42.5	46.0	40.0	1.0	1.0	231	250	92	92	S	4	SE	7	6	8	—	—	—	∞ <sup>0</sup>		
13	85	80	39.0	41.5	45.0	40.5	0.5	1.0	228	241	96	92	SE	5	S	5	8	8	—	—	—	∞		
14	90	27.99	42.5	42.5	46.0	40.5	1.5	1.0	239	250	88	92	SW	5	S	7	6	8	—	—	—	∞ <sup>0</sup>	Dull.	
15	85	28.14	43.5	40.5	45.5	40.0	0.5	1.0	271	231	96	92	SE	4	S	4	8	8	—	—	—	Dull.	∞	
16	27.90	27.70	39.5	39.0	42.0	38.0	0.5	0.5	232	228	96	96	SE	5	E	5	9	10	—	—	—	∞		
17	26.00	28.40	39.5	40.5	45.5	38.5	0.5	1.5	232	220	96	88	N	7	N	5	10	2	—	—	—	Dull to clear.		
18	56	69	36.5	38.5	40.0	36.5	1.5	1.5	187	203	87	87	NW	5	NW	6	6	10	—	—	—	Dull.		
19	54	80	37.0	36.5	47.0	33.5	1.5	2.0	191	179	87	83	W	6	NW	4	8	2	—	—	—	Dull to clear.		
20	60	59	38.0	42.5	45.0	35.5	1.5	2.0	199	230	87	85	S	5	SW	3	9	4	—	—	—	Dull.		
21	41	30	38.0	39.5	45.5	29.5	1.5	2.0	199	204	87	84	SW	6	W	8	8	2	—	—	—	∞ <sup>0</sup>		
22	54	70	41.0	41.5	45.5	39.5	2.5	2.5	206	211	81	81	W	6	W	6	2	2	—	—	—	* showers.		
23	49	18	48.5	51.5	54.5	40.5	3.5	4.5	259	271	76	71	W	8	NW	8	4	2	—	—	—	T 4a. ● showers.		
24	15	20	39.5	37.0	52.5	32.5	3.0	1.0	185	200	77	91	NW	8	NW	6	6	6	—	—	—	* showers.		
25	25	25	35.0	34.0	40.0	32.5	1.5	0.5	174	186	85	95	NW	8	NW	8	2	2	—	—	—	* showers.		
26	21	26	31.0	29.5	39.5	29.5	0.5	1.0	161	136	92	83	NW	6	N	4	6	2	—	—	—			
27	52	87	28.5	27.5	37.5	23.0	0.5	1.0	141	120	91	80	NW	5	NW	5	4	2	—	—	—			
28	56	46	33.5	38.5	42.0	18.0	0.5	3.5	182	168	94	72	SW	5	NW	5	4	2	—	—	—			
29	51	65	30.5	35.0	40.0	33.0	2.5	1.5	170	174	78	85	NW	5	NW	5	2	6	—	—	—	Sunshine. * showers.		
30	86	90	39.5	41.0	44.0	34.5	2.5	2.0	194	215	80	84	NW	6	NW	4	4	6	—	—	—			
31	28.85	28.59	41.5	45.0	45.5	37.5	2.5	2.5	211	243	81	82	SW	5	S	4	6	6	—	—	—			
M.	28.315	28.323	38.7	39.4	43.5	35.1	1.4	1.5	210	213	89	87	5.4	5.2	6.6	6.1	3.87	—	—					

## DUNDEE, FORFARSHIRE, c.d.—DECEMBER 1910.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +.030 in.

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

† Beaufort Scale (0-12).

## GLASGOW, LANARKSHIRE, a.—DECEMBER 1910.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 4° 18' W. Lat. 55° 53' N. Gravity Correction, +.029 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.
							Dep. of Wet.	Vapour Pressure.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	36.4	38.7	39.8	30.5	2.4	2.6	171	186	79	80	NE	4	NE	10	Fine, but cloudy. =
2	30.02	30.04	36.4	38.7	39.8	30.5	2.4	2.6	171	186	79	80	NE	4	NE	10	Fine, but cloudy.

## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—DECEMBER 1910.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.						Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.			
							Dep. of Wet.		Vapour Pressure.		Percentage.												
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°				
1	29.78	29.81	41.8	42.4	42.4	37.8	2.8	2.5	209	219	79	81	NE	†	4	NEbyE	4	8	5	03	ins.	29	●△ showers.
2	91	91	40.8	39.6	42.5	39.0	3.6	3.0	186	187	73	76	NEbyE	4	E	5	7	6	—	0.4	36	Dull.	
3	77	50	40.2	36.9	41.8	36.9	3.0	0.6	193	207	77	95	E	5	SE by E	6	8	100	47	0.4	34	Dull. ● 5p.	
4	29.12	29.03	39.9	39.4	44.3	35.6	0.2	0.0	241	242	99	100	SE	4	SE	2	100	10	23	—	34	● most of day.	
5	28.79	28.87	45.9	44.8	49.8	39.4	0.0	1.8	310	254	100	86	SE	5	SE	4	10	2	02	—	34	Overcast.	
6	28.98	28.89	45.2	42.3	46.0	38.4	0.2	0.3	297	263	99	98	S	2	S	2	9	100	03	—	40	Overcast. ● n.	
7	29.05	29.12	37.0	43.1	48.3	35.0	1.6	0.1	189	276	86	99	SW	2	SE	1	4	10	01	2.6	30	Dull. Misty n.	
8	28.95	28.77	43.4	45.4	45.4	42.3	0.4	1.0	272	281	97	93	SE	4	SE	5	100	10	08	—	32	● a. Overcast.	
9	66	57	44.3	47.0	47.0	43.0	0.9	1.3	270	291	93	91	S	2	SE	6	10	10	05	—	39	Overcast. ● p.	
10	59	55	45.5	45.1	47.4	43.0	1.4	0.9	270	279	90	96	SE	4	SE	2	9	100	06	—	40	Overcast.	
11	74	85	45.4	42.1	46.1	42.1	0.2	0.5	299	257	98	93	SE	3	SSE	3	100	4	14	—	42	Dull, with ●.	
12	87	78	39.9	44.3	45.0	38.9	0.4	0.3	238	284	97	98	SE	3	SE	5	9	100	23	—	33	Overcast.	
13	67	72	43.8	44.0	48.3	38.2	0.8	2.0	267	244	94	84	SE	5	SE	6	10	10	02	—	34	Overcast, with ●.	
14	88	28.78	43.9	44.9	49.2	42.0	2.5	0.7	233	281	81	95	SSW	2	SE	6	4	100	07	1.3	37	Cloudy.	
15	72	72	40.4	45.9	41.3	47.9	0.2	1.1	305	236	99	92	SSW	2	SW	3	9	4	16	—	38	● showers.	
16	64	28.41	40.4	44.6	46.4	39.2	0.4	0.4	242	285	97	87	SE	5	NW	2	100	9	27	—	35	● a. ● showers p.	
17	28.84	29.31	43.7	37.7	45.2	37.0	2.4	2.2	233	185	81	91	NNW	6	NW	2	9	4	05	—	39	● showers.	
18	29.57	29.67	40.6	42.3	43.2	35.1	1.3	1.98	242	78	90	90	NW	1	SWbyW	6	3	8	01	4.6	29	Fine.	
19	54	82	48.8	36.7	50.4	36.0	1.6	2.3	305	175	88	82	SWbyW	6	W	2	2	9	8	01	—	32	Overcast.
20	68	51	36.9	45.1	46.0	34.2	1.6	1.0	189	277	87	92	SE	2	NWbyW	2	10	4	01	—	30	Overcast. Clear n.	
21	49	57	40.0	42.8	45.2	36.1	1.6	3.1	215	212	87	77	SW	3	SW	4	7	2	—	—	30	Overcast. Clear n.	
22	61	72	41.8	40.4	46.6	39.2	1.8	1.4	227	222	86	89	W	5	W	6	4	8	—	—	35	Dull.	
23	48	26	46.9	51.9	51.9	36.2	1.1	1.2	295	354	93	92	W	9	W	9	8	—	01	—	32	Dull. all day.	
24	16	21	46.3	40.6	52.5	39.1	3.5	2.7	237	200	76	79	W	5	W	5	4	3	—	5.4	42	● n. Fine.	
25	21	21	39.2	37.9	42.0	36.1	2.3	2.5	195	181	81	79	NWbyW	4	W	4	2	1	—	5.3	33	Fine.	
26	17	06	37.2	33.0	37.9	33.0	3.4	0.0	161	188	73	100	NW	3	NW	2	8	2	02	0.7	30	Cloudy. * after 3p.	
27	36	72	33.4	33.0	35.8	32.0	2.4	0.5	143	177	75	94	NNW	4	NNW	3	5	3	03	1.1	28	Fine a. * p.	
28	67	54	34.2	39.6	41.0	28.0	1.2	1.6	174	211	87	87	SW	3	W	3	8	3	01	2.3	23	Fine.	
29	62	70	38.3	38.9	42.8	37.0	1.3	1.4	205	210	89	90	W	4	W	4	4	3	—	3.1	31	Fine.	
30	87	98	36.0	36.8	41.1	34.0	2.0	1.4	175	192	82	89	NW	2	NW	3	2	1	—	5.5	30	Fine.	
31	29.95	29.78	40.0	44.4	44.4	35.1	1.0	1.4	226	260	92	89	W	3	SWbyW	5	8	9	01	0.7	29	Cloudy.	
M.	29.235	29.246	41.5	41.6	45.3	37.4	1.6	1.3	232	238	88	90	—	3.8	3.9	7.4	6.2	2.03	33	33.5			

## DOUGLAS, ISLE OF MAN, a.—DECEMBER 1910.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

1	29.80	29.77	40.3	41.4	42.0	37.5	2.1	2.6	208	84	81	NE	4	NE	6	10	4	066	—	38	Dull and squally.	
2	84	83	42.0	41.5	43.5	40.0	4.0	3.7	190	191	72	E	7	E	7	8	10	—	29	Dull and squally.		
3	69	29.42	40.1	39.8	43.0	38.0	3.1	1.8	188	209	75	E	8	ESE	8	9	10	196	—	37	● 7a. Dull. * (sheet).	
4	29.11	28.97	38.7	38.8	40.9	35.5	1.3	2.2	210	194	90	ESE	2	ESE	4	100*	10	273	—	33	Dull.	
5	28.60	28.66	46.4	47.1	49.2	38.8	0.4	0.9	306	302	97	ESE	4	S	2	100≡	10	263	—	37	● till 2p.	
6	28.91	28.97	46.3	43.3	47.7	43.0	0.3	0.3	307	273	98	SE	3	WSW	2	10≡	10	325	—	40	● till 7p.	
7	29.08	29.01	46.5	45.3	48.7	40.6	0.5	1.1	304	277	96	SSW	2	ESE	5	9	10	010	0.8	36	● early a. ~ 11a. Gloomy.	
8	28.81	28.59	46.0	46.0	47.2	43.9	1.0	1.0	287	287	93	ESE	6	ESE	8	9	10	041	—	39	Overcast. ● showers after 2.30p.	
9	54	50	45.4	47.5	49.1	45.4	1.0	1.4	281	294	93	ESE	6	SSW	7	4	100	252	—	38	Dull. ● showers after 11a. ▲	
10	46	54	46.8	47.1	48.4	44.9	0.8	0.6	301	310	94	ESE	6	ESE	2	9	9	100	—	39	* ▲ showers till 5p.	
11	65	81	46.6	46.5	48.4	45.9	0.7	0.9	302	295	95	SE	4	W	2	9	9	070	—	40	● showers till 2p. Dull.	
12	86	75	47.0	48.0	48.1	45.1	0.9	2.0	301	285	94	SE	3	S	4	9	90	200	—	40	1p.-3.30p. Dull.	
13	51	52	47.0	47.1	48.4	45.0	0.9	0.6	301	310	94	SE	4	SSE	7	100	100	595	0.1	38	Dull. ▲ 2p.	
14	95	28.64	47.2	46.9	50.0	45.2	1.2	0.5	295	309	92	SW	2	SE	6	8	100	153	1.9	40	Fine a. ● showers p.	
15	81	29.12	46.2	42.4	49.1	42.0	0.8	1.4	295	241	95	89	NNW	1	NNW	1	8	0	287	0.1	40	● showers till 2p.
16	28.43	28.56	49.1	44.8	49.9	41.4	0.1	1.1	347	271	99	S	6	NNW	6	100	10	354	—	36	Squally, with ● till 5p.	
17	29.06	29.47	46.2	45.6	46.9	42.5	2.2	2.7	263	246	85	81	NW	7	NW	5	9	4	079	1.7	38	Dull a. ● 8.30p.
18	70	78	43.1	45.0	46.1	42.0	1.9	0.2	237	294	85	98	W	5	SW	3	4	100	059	1.8	38	▲ a. Dull from 2p.
19	71	91	49.7	40.0	50.4	37.8	0.6	1.5	340	217	96	88	WSW	5	WSW	1	9	6	050	3.4	40	Fine.
20	68	58	48.1	42.0	49.4	40.0	0.3	0.7	329	252	98	94	S	5	WSW	1	100	0	348	—	33	Squally, with ● till 2.30p.
21	55	64	42.2	42.8	49.2	41.3	1.4	1.9	239	235	90	85	WSW	2	WSW	5	6	0	—	3.1	34	Fine.
22	81	89	41.9	44.4	45.4	41.0	1.6	1.3	233	262	88	90	WSW	2	WSW	2	3	10	096	4.8	38	Fine.
23	74	49	48.0	52.0	52.0	43.9	0.1	0.8	332	366	99	94	WSW	2	WSW	7	100	10	051	—	39	Dull, with ● showers.
24	38	41	47.9	43.0	52.3	42.1	1.6	2.0	294	234	84	84	NNW	6	NNW	7	2	3	—	2.8	45	● 10.30a. Gloomy.
25	42	42	43.3	43.0	45.0	41.2	2.1	2.0	235	234	84	84	NNW	6	NNW	7	8	0	127	0.2	39	▲ a. and p. ● showers.
26	39	30	38.8	39.0	45.0	38.0	0.8	4.0	220	164	94	70	NW	7	NW	6	8	0	123	—	36	Fine and frosty.
27	53	84	37.0	32.0	40.2	30.7	4.0	2.0	149	137	68	75	N	6	W	1	1	0	—	6.2	33	● 9a.-1p. Squally p.
28	81	71	37.9	44.2	46.0	29.0	2.1	2.1	188	244	82	84	WSW	2	W	5	100*	3	050	—	24	Drizzling ● showers a.
29	82	29.90	43.0	43.2	46.0	42.2	2.0	1.5	234	247	84	89	W	4	W	3	6	4	—	2.0	35	● showers till 1p.
30	30.00	30.09	43.2	43.2	45.8	42.0	1.2	1.6	253	245	90	88	W	2	W	1	8	10	010	2.8	40	
31	30.06	29.86	43.6	46.2	46.5	41.2	0.6	2.2	270	263	95	85	WSW	2	WSW	4	9	10	055	—	40	
M.	29.280	29.294	44.4	43.8	47.1	40.9	1.3	1.6	266	255	90	88	4.2	4.4	7.9	6.9	4.233	32	37.2			

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—DECEMBER 1910.

## SHREWSBURY, SHROPSHIRE.—DECEMBER 1910.

Height above Mean Sea Level, 190 feet. Heights above Ground:—Bar., 22 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 52° 43' N. Gravity Correction, +0.019 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		hrs.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	37.9	39.0	40.9	34.0	0.5	0.6	212	226	92	95	N	3	NE	3-4	100	100	ins.	hrs.	°	• early a. and all day.
2	29.74	29.72	37.9	39.0	40.9	34.0	0.5	0.6	212	226	92	95	ENE	3	SE	1	100	100	ins.	hrs.	°	• all day.
3	29.73	29.72	37.9	39.0	40.9	34.0	0.5	0.6	212	226	92	95	E	3	SE	1	100	100	ins.	hrs.	°	• till 9a. Overcast.
4	29.72	29.72	37.9	39.0	40.9	34.0	0.5	0.6	212	226	92	95	SW	1	SE	1	100	100	ins.	hrs.	°	* early a. Overcast.
5	29.77	29.71	39.9	41.9	43.9	38.0	1.6	0.6	218	234	89	94	SSE	3	SSE	2	100	100	ins.	hrs.	°	• a. and p.
6	29.04	29.14	40.0	41.0	42.0	40.5	1.2	0.2	253	253	92	98	SSW	3	SSW	2	9	0	ins.	hrs.	°	Cloudy. • showers 4.30p.-6p.
7	29.26	29.12	41.0	46.0	47.0	39.2	0.1	2.2	255	261	99	85	SSW	3	SSW	4	7	10	ins.	hrs.	°	Bright a. Dull p.
8	28.96	28.74	48.0	47.1	49.3	44.4	1.3	1.1	302	297	91	92	SSE	3	SSE	3	10	10	ins.	hrs.	°	Overcast, with • showers.
9	29.72	29.73	46.9	49.0	50.4	44.0	1.5	1.9	279	276	90	87	SE	3	SE	3	8	8	ins.	hrs.	°	• showers a. and p.
10	28.62	28.68	47.4	48.0	49.2	44.6	1.1	0.7	301	317	92	95	SSE	3	SSE	2	10	4	ins.	hrs.	°	Overcast, with • showers.
11	28.82	29.00	47.1	45.0	51.0	43.5	1.1	2.0	297	253	92	85	SSE	2	SSE	2	7	7	ins.	hrs.	°	Dull a. Bright afternoon.
12	29.05	28.96	45.4	45.0	48.0	41.9	1.1	2.0	278	253	92	85	SSE	2-3	SSE	3	8	8	ins.	hrs.	°	Dull a. • showers p.
13	28.75	28.87	49.0	46.0	49.5	40.9	2.8	0.0	280	311	80	100	SSW	4	SW	3	8	10	ins.	hrs.	°	• showers a.
14	29.16	28.82	47.1	48.1	50.2	45.3	2.1	0.2	274	331	85	98	SW	2-3	SW	2	4	100	ins.	hrs.	°	Bright a. • p.
15	28.91	29.28	44.1	45.0	52.2	43.9	0.1	2.0	287	253	99	85	WNW	1	W	1	7	8	ins.	hrs.	°	Bright a.
16	28.74	28.72	51.0	48.0	53.0	41.5	1.8	2.9	328	265	87	80	SW	3	WSW	4	6	8	ins.	hrs.	°	* till 8a. • showers p.
17	29.15	29.54	43.5	45.6	48.9	42.9	1.4	3.6	255	228	89	75	W	2	NNW	2	100	8	ins.	hrs.	°	• a. Dull p.
18	29.79	29.92	44.0	42.0	47.9	40.9	3.1	2.0	222	225	76	85	NNW	2-3	NW	2	10	8	ins.	hrs.	°	Bright a. Cloudy p.
19	28.88	30.04	49.1	38.0	53.9	37.4	1.2	0.6	319	216	91	95	SW	1	NW	1	10	3	ins.	hrs.	°	Fine day. Misty 9p.
20	29.72	29.73	43.4	46.0	50.0	34.9	0.4	0.8	272	292	97	94	SSW	2-3	SW	2	10	0	ins.	hrs.	°	Overcast. • showers 6p.-8p.
21	29.71	29.83	42.1	38.9	46.8	37.2	0.3	1.8	262	202	97	86	SSW	2-3	SSW	2	9	0	ins.	hrs.	°	• early a. Very fine sunset.
22	29.95	30.03	38.5	39.0	48.0	35.2	0.9	1.1	215	216	92	91	SSW	2	NW	2	2	0	ins.	hrs.	°	Very fine.
23	29.95	29.71	47.1	51.1	52.8	36.0	0.3	1.1	317	347	98	92	SW	2-3	NW	5	100	10	ins.	hrs.	°	Dull. • a. and p.
24	29.53	29.57	52.0	44.1	54.5	40.2	2.0	3.7	335	212	86	72	W	3	WNW	3	8	0	ins.	hrs.	°	Dull a. • shower 1p. Fine p.
25	29.52	29.54	42.3	44.7	46.0	40.2	2.6	3.6	217	219	81	74	NW	3	NW	4	4	0	ins.	hrs.	°	Fine.
26	29.47	29.26	42.2	45.0	46.0	38.8	2.5	3.2	218	229	82	77	NW	3	NW	3-4	9	100	ins.	hrs.	°	Dull, with • showers.
27	29.53	29.88	35.0	33.0	46.1	32.8	4.5	2.0	126	138	62	71	NNE	3-4	NNW	2	2	0	ins.	hrs.	°	Fine.
28	30.00	29.87	24.7	43.8	43.9	42.3	0.2	0.8	126	207	95	94	W	2	NW	2	6	100	ins.	hrs.	°	• 3.40p. and from 8p.
29	29.94	29.94	43.3	44.5	46.3	41.0	2.5	3.5	227	219	81	74	SW	2	W	3	7	60	ins.	hrs.	°	Dull.
30	30.08	30.18	44.7	45.0	47.2	41.2	2.9	3.0	233	233	79	78	NW	2	NW	2	10	10	ins.	hrs.	°	Dull.
31	30.21	30.11	43.0	39.0	48.3	38.7	2.9	1.0	217	218	79	92	WSW	2	SW	2	9	0	ins.	hrs.	°	Dull.
M.	29.417	29.429	43.4	43.5	48.2	39.2	1.5	1.6	254	250	89	88		2.5	2.4	8.1	6.4	4.445	—	36.8		

## CAMBRIDGE, a.—DECEMBER 1910.

Height above Mean Sea Level, 42 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot 1 inch.  
Long. 0° 8' E. Lat. 52° 12' N. Gravity Correction, +0.019 in.

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

## SOUTHAMPTON, HAMPSHIRE, a.—DECEMBER 1910.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +0.16 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0—12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Min. Temp. on Grass.	Remarks.					
							Dep. of Wet.		Vapour Pressure.										Percentage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	ins.		hrs.				
1	29.67	29.71	43.3	44.7	44.7	39.8	0.7	1.4	.265	.264	95	89	NE	4	NE	2	100	10	.040	—	39	° 0 a. Damp and misty p.	
2	29.65	29.70	44.0	42.5	45.1	42.3	0.9	1.2	.267	.246	93	90	NE	1	NE	3	10	10	—	—	42	Dull and overcast.	
3	29.79	29.51	40.7	39.5	43.1	39.0	0.9	0.7	.235	.228	92	94	NE	2	NE	4	10	100	.450	—	37	Misty. • from 5p.	
4	29.37	29.16	40.5	49.3	50.1	38.9	0.4	0.5	.243	.339	97	97	NE	2	SE	2	100	100	.200	—	38	• till 3a. and 3p.-10p.	
5	29.10	29.54	52.0	54.1	49.1	2.9	2.9	.207	.313	81	81	SE	6	SE	3	8	10	.040	.27	45	Fine 11p.-3p. • 3.30p.-5p.		
6	29.16	29.40	48.5	43.0	52.5	43.0	1.0	0.8	.316	.259	93	94	SE	3	SE	2	10	0	.050	0.4	44	• showers 1p. and 3.30p.	
7	29.48	29.24	49.1	48.1	50.1	41.9	1.0	2.5	.324	.275	93	82	SW	2	SE	6	8	2	—	—	29	Dull.	
8	29.07	28.94	49.5	48.5	50.9	47.8	2.4	1.8	.294	.297	84	87	SE	5	SE	3	10	0	.360	—	44	Dull. • 10.30a.-5.30p.	
9	28.97	29.01	49.9	49.5	51.1	47.8	2.3	2.1	.291	.302	84	86	SE	6	SE	5	10	10	.460	—	43	• a. and p. ☐	
10	28.78	28.87	49.0	50.5	51.3	47.8	1.6	1.3	.308	.333	89	90	SE	6	SE	4	100	100	.310	0.1	45	• showers.	
11	29.25	29.25	47.9	48.0	53.1	46.7	0.9	1.0	.310	.309	94	93	SW	1	SW	2	8	2	.340	1.3	42	• showers. ☐	
12	29.27	29.27	48.5	45.9	50.0	45.9	1.4	1.7	.306	.271	90	89	SE	3	SW	3	10	100	.840	—	38	• 10a.-5p. ☐	
13	29.13	29.25	47.3	49.1	52.3	45.6	2.0	1.1	.278	.321	86	92	SW	5	SW	5	100	100	.200	2.2	40	• showers. ☐ 11.30 p.	
14	29.47	29.12	50.5	51.2	52.3	47.9	2.4	0.9	.307	.353	84	94	SW	2	SW	6	7	10	.800	0.9	41	Fine a. • 1p.-8.30p. ☐	
15	29.03	29.55	51.0	46.0	53.1	45.8	0.8	1.9	.353	.267	94	87	SW	1	SW	2	100	4	.050	3.4	41	• till 9a. ☐	
16	29.08	29.18	53.0	51.4	54.3	44.3	2.9	4.3	.323	.272	81	72	SW	7	SW	6-9	100	8	.050	0.1	35	• showers.	
17	29.40	29.68	48.0	46.1	52.1	45.8	3.1	2.5	.261	.256	78	82	SW	3	NW	1	1	10	.010	1.8	39	• 6p.-10p.	
18	29.95	30.15	42.8	41.0	49.1	40.8	2.7	1.4	.219	.227	80	89	NW	2	NW	2	0	8	—	—	57	31 Fine.	
19	30.14	29.22	47.0	46.5	54.5	40.0	0.9	0.9	.301	.295	94	93	SW	2	NW	2	8	1	.050	0.5	30	Fine.	
20	30.19	29.04	48.0	50.8	51.1	37.2	0.7	1.9	.317	.324	95	87	SW	2	SW	3	9≡1	10	.270	—	29	Damp and misty.	
21	29.94	29.04	49.0	46.8	51.1	46.7	1.0	0.6	.322	.306	93	95	SW	3	SW	2	100	10	.170	—	47	• showers.	
22	30.19	29.29	35.5	36.5	47.1	34.6	0.1	0.2	.205	.212	99	98	SW	2	SW	3	100	3	—	2.9	28	≡ till 11a. Bright noon-	
23	30.27	29.10	40.3	49.5	49.5	33.0	0.7	1.5	.236	.315	95	89	SW	3	SW	3	1	10	.020	0.6	21	— Fair.	
24	29.81	29.78	52.0	45.5	53.3	45.4	1.6	2.9	.343	.241	80	79	SW	4	NW	2	10	0	.010	—	47	• showers midday.	
25	29.74	29.76	43.3	40.9	48.1	40.9	3.0	1.6	.218	.222	78	87	NW	2	NW	1	10	0	—	3.5	33	Fine.	
26	29.68	29.46	42.1	45.0	45.1	40.4	2.6	2.4	.215	.245	81	82	NW	2	NW	2	10	5	.050	—	31	Fine.	
27	29.62	29.95	36.0	34.4	40.0	33.9	2.9	2.4	.160	.153	75	76	NW	3	NW	3	0	0	—	6.0	27	• 1a.-2a. — a. Fine.	
28	30.21	30.17	30.5	38.5	43.1	29.9	0.7	1.5	.152	.203	90	87	NE	2	SW	3	1	10	.010	5.5	17	— Fine. • 8.30p.-10p.	
29	29.17	29.24	42.4	39.5	49.5	38.1	0.9	1.2	.252	.218	93	90	NW	2	NW	2	1	0	—	4.9	29	Fine.	
30	29.26	29.35	39.9	43.0	45.1	35.8	1.9	2.3	.208	.228	85	82	NW	2	NW	1	10	10	—	—	24	Fine.	
31	30.43	30.37	40.0	41.3	43.3	37.5	0.9	1.5	.228	.229	93	88	NW	1	NW	1	100	2	10	—	27	Dull. ≡ <sup>2</sup>	
M.	29.622	29.651	45.2	45.3	49.6	41.7	1.6	1.6	270	268	89	88	2.9	2.9	7.8	6.5	5.330	43	35.6				

## PLYMOUTH, DEVONSHIRE, a.—DECEMBER 1910.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.15 in.

1	29.62	29.60	40.0	45.0	45.0	36.1	1.3	1.7	220	260	90	87	NE	18	NE	17	10	10.0	0.9	—	35	☉ showers.
2	71	77	48.0	45.3	48.0	44.1	1.3	0.3	302	295	91	98	SE	15	E	9	10	10.0	1.00	—	42	Overcast, with ☉.
3	65	29.44	43.7	40.1	45.8	39.9	1.0	1.1	262	225	92	91	E	12	E	16	10	10	1.22	—	38	Overcast, with ☉.
4	29.29	28.96	41.8	51.0	51.0	36.0	0.8	0.1	247	371	94	99	E	9	SE	24	8	10	1.29	—	29	Fine, then ☉.
5	28.94	29.08	51.4	51.0	53.0	47.8	2.8	1.0	309	348	82	93	SW	36	S	22	10	10	1.71	1.3	45	1a.-3a. ☉ showers.
6	29.02	29.31	48.9	51.0	54.0	47.0	1.9	2.1	299	321	87	85	NW	12	SW	14	10.0	6	1.3	1.8	42	☉ showers. Sunny intervals.
7	29.32	28.95	51.0	51.0	52.0	48.0	1.0	2.0	348	323	93	86	SE	29	SE	39	10	10	1.31	0.2	44	Dull. ☉ p. 8p.-mid.
8	28.82	29.00	52.0	52.0	52.0	48.7	0.2	4.1	356	285	99	74	SE	36	SW	28	10.0	10	1.74	0.1	46	Squally, with ☉ showers.
9	79	80	52.0	48.0	52.0	48.0	1.7	0.4	343	325	88	97	SW	31	SSE	39	10	10.0	1.54	0.1	44	☉ a. and p. ☉ showers.
10	61	28.72	49.3	50.3	52.9	46.8	0.3	0.3	344	357	98	98	S	17	SW	15	10	10.0	1.30	1.8	45	Squally, with ☉ showers.
11	28.98	29.19	48.9	50.0	52.7	48.0	0.6	1.0	331	334	96	93	WSW	7	SW	7	10.0	9.0	1.13	1.2	41	☉ showers.
12	29.05	29.13	47.3	51.0	53.5	46.5	1.0	2.6	302	309	93	82	S	36	SW	30	10.0	10	1.43	1.2	44	Squally, with ☉ showers.
13	28.98	29.11	47.0	52.0	52.3	44.4	1.8	1.3	380	353	87	91	SW	28	SW	27	10.0	9	1.20	1.8	43	☉ a. and p. ☉ showers.
14	29.31	28.97	51.0	53.0	53.0	48.3	0.2	0.7	369	383	99	95	S	21	SW	24	8	10	1.54	—	44	Overcast, with ☉.
15	16	29.47	50.0	51.2	53.0	46.3	0.0	1.2	361	345	100	92	W	10	S	10	8.0	0	1.84	3.5	36	☉ showers. Sunny intervals.
16	06	21	52.7	51.0	54.3	45.3	3.2	2.0	314	323	79	86	WSW	37	WSW	32	10	10.0	1.04	0.1	46	11a.-6p. ☉ showers.
17	29.44	29.75	48.0	47.6	51.0	45.4	2.2	2.6	281	268	85	82	W	11	WNW	14	9	5	—	4.2	39	Fine and bright.
18	30.02	30.13	46.1	46.0	48.3	44.7	2.8	2.0	249	265	80	86	NW	12	—	3	1	7	0.05	4.6	38	Fine and bright.
19	15	30.19	51.0	51.0	52.7	44.0	0.0	1.0	374	348	100	93	SW	9	—	0	10.0	10	1.05	—	38	Dull and sultry.
20	30.10	29.94	51.7	49.0	51.7	48.7	1.4	0.3	347	340	90	98	SW	22	SW	5	10	10.0	1.33	—	45	Overcast, with ☉.
21	29.87	29.99	48.3	45.0	49.6	45.0	0.3	0.3	331	292	98	98	—	3	—	2	10	0	—	—	44	Fine, but dull.
22	30.16	30.25	37.3	38.0	48.0	34.0	0.3	0.0	216	228	97	100	—	2	—	1	10.0	2.00	—	5.4	28	Dull a., then sunny.
23	30.24	30.16	40.3	50.0	53.3	33.8	0.3	1.0	243	334	98	93	—	3	SW	19	7	10	1.04	0.9	28	Fine, but dull.
24	29.89	29.83	52.0	46.1	52.2	45.8	0.8	1.9	366	268	94	86	WSW	14	W	8	10	4	0.03	—	38	Overcast and sultry.
25	79	82	47.5	46.0	49.9	45.0	1.5	1.4	291	278	89	90	W	14	NW	7	10	10	1.05	4.0	39	Fine and bright.
26	75	57	45.1	47.2	47.4	43.2	2.0	0.5	253	314	85	97	NW	5	W	16	8	10	1.08	0.9	37	Fair.
27	29.70	29.90	40.3	36.0	48.0	36.0	1.3	1.5	223	184	90	87	N	12	N	10	6	7	0.02	5.6	31	Fine and sunny.
28	30.19	30.15	32.0	45.0	45.0	30.0	0.3	1.3	175	268	96	90	—	2	W	7	10	10	—	1.7	19	A few bright intervals.
29	18	23	47.7	45.0	50.3	44.3	0.4	0.5	321	287	97	96	W	7	—	2	10	10.0	1.01	1.2	39	☉ showers. Bright intervals.
30	27	33	43.8	45.5	43.0	41.4	0.6	0.6	255	289	89	96	—	2	—	0	8	10	—	0.1	34	Dull.
31	30.38	30.30	44.7	43.9	45.3	43.0	1.0	1.0	273	265	93	92	—	2	—	2	10	10.0	—	—	40	Dull and gloomy.
M.	29.562	29.582	46.7	47.5	50.3	43.5	1.1	1.2	296	303	92	91	15	14	9.1	8.4	7.30	42	38.7			

\* Miles per hour.

† Beaufort Scale (0-12).

## ARMAGH, a.—DECEMBER 1910.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.25 in.

Day.	Barometer at 32° Fahr. at Level and Latitude of Station.		Air Temperature.				Humidity.				Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours beginning 9 a.m.	Sunshine.	Temp. on Grass.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	9 a.m.	Min.	Temp. on Grass.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	*	*					ins.	hrs.	°		
2	29.94	29.91	31.3	38.0	39.9	26.4	0.6	1.3	161	203	91	89	—	2	NE	8	10	8	007	—	20	
3	93	89	40.2	38.8	41.9	37.0	2.0	2.8	209	183	85	78	NE	10	NE	5	10	10	023	—	34	
4	72	29.47	39.0	38.8	41.9	37.8	1.2	1.8	214	201	90	85	ENE	8	E	7	100	10	080	—	35	
5	28.66	28.99	37.4	36.5	39.7	36.5	0.3	0.3	217	210	97	97	—	3	—	2	10	10	097	—	35	
6	28.86	28.89	40.7	40.5	44.8	36.5	0.0	0.3	254	245	100	98	NE	4	SSW	7	100	10	167	—	34	
7	28.96	29.02	34.0	37.5	42.0	34.0	0.0	0.1	196	222	100	99	—	2	SSW	7	10	8	—	—	31	
8	28.72	28.97	41.0	44.0	48.0	36.1	0.3	1.0	255	265	98	92	S	9	E	7	1	7	130	33	30	
9	49	45	47.8	45.7	49.8	42.8	2.3	1.0	289	285	84	94	SE	18	E	12	10	10	465	—	39	
10	42	56	48.7	46.8	48.8	42.0	2.9	0.4	265	264	80	97	SE	15	S	10	10	7	323	—	42	
11	68	88	45.0	44.5	49.5	42.6	1.0	0.7	319	277	93	94	SE	15	SE	4	9	6	190	02	40	
12	81	73	46.0	44.0	47.7	41.8	0.0	0.2	299	283	100	98	—	2	SW	7	100	9	070	—	36	
13	45	49	44.0	42.5	48.7	42.5	1.2	0.3	283	265	92	87	SE	10	S	10	10	7	435	—	38	
14	95	28.63	46.7	45.0	48.3	41.0	0.4	1.7	286	260	96	87	S	8	—	3	100	01	325	01	37	
15	92	29.17	45.5	45.2	48.5	41.6	0.9	0.6	284	287	94	96	S	9	E	11	10	100	167	33	38	
16	28.42	28.80	44.0	40.6	48.9	40.6	0.7	0.6	296	240	95	95	SW	7	SSW	6	10	10	497	15	41	
17	29.31	29.64	41.7	41.3	44.8	39.2	0.1	0.0	286	260	99	100	S	4	NW	6	100	0	125	—	33	
18	88	83	41.7	38.0	47.0	38.0	1.0	1.3	243	203	93	89	NNW	5	WNW	5	9	4	—	08	34	
19	88	83	39.5	45.8	45.8	37.8	2.0	1.0	204	286	84	93	—	3	SW	10	4	10	023	16	30	
20	94	94	46.6	41.4	51.1	38.4	0.9	0.4	297	252	94	97	NW	5	—	3	6	10	120	33	36	
21	54	58	48.0	42.4	50.0	39.8	1.3	1.7	302	235	91	87	S	18	S	10	100	0	010	18	29	
22	91	92	46.0	39.0	45.5	38.0	2.2	1.9	203	201	82	85	SSW	13	SW	14	1	1	—	40	34	
23	76	56	49.8	43.7	44.5	37.3	1.0	1.3	217	256	92	89	WSW	5	SW	15	8	10	—	24	33	
24	53	57	46.0	41.8	52.8	43.5	0.7	0.8	338	304	95	94	SW	11	SW	15	10	10	030	—	37	
25	59	59	41.4	40.5	51.8	41.8	2.0	1.8	265	227	86	86	WNW	7	WNW	10	2	8	—	15	38	
26	53	53	43.0	40.5	47.1	38.3	1.8	1.3	224	224	87	90	W	5	W	6	5	3	017	30	32	
27	72	95	40.7	40.0	45.5	37.8	1.6	0.7	220	237	87	94	WNW	7	NW	6	10	10	150	02	31	
28	84	29.84	36.5	38.8	46.0	29.0	0.7	0.7	187	139	94	88	NNW	4	—	3	10	0	025	23	26	
29	29.96	30.03	41.9	39.3	46.8	28.2	0.3	1.4	210	209	97	89	SSW	15	SW	9	10	5	030	—	23	
30	30.15	30.17	39.6	41.7	46.0	38.8	0.9	0.5	246	231	93	96	W	6	WSW	4	10	5	010	31	36	
31	30.12	29.94	43.9	45.2	46.3	41.7	0.3	2.3	238	217	97	83	—	2	—	3	5	10	005	15	34	
M.	29.344	29.357	42.2	41.4	46.5	38.3	1.0	1.0	251	242	92	92	SW	7	SW	16	10	10	110	—	40	

DUBLIN (PHENIX PARK), a.—DECEMBER 1910.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar, 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +.022 in.

[illegible]

BIRR CASTLE, KING'S COUNTY, a.b.—DECEMBER 1910.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar.,—2 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +.021 in.

1	29°92	29°84	31°0	39°8	40°0	24°0	1°0	1°8	°148	°209	85	86	N	+	2	NE	+	4	10	10	°042	—	—	Overcast and cold.
2	°81	°81	42°0	40°8	43°7	38°2	1°1	1°2	°243	°230	91	91	E	NE	3	NE	4	10	10	°024	—	—	Overcast, with ● showers.	
3	°65	29°42	41°1	40°0	44°1	38°8	1°2	0°9	°232	°228	90	93	E	SE	2	SE	2	10	10	°010	—	—	Overcast, with ● showers.	
4	29°19	28°97	35°8	35°7	40°8	34°8	0°8	0°7	°195	°196	93	94	Cal	0	Cal	0	8	10	10	°006	—	—	Overcast.	
5	28°74	28°91	39°9	38°0	40°7	34°4	0°9	1°0	°227	°208	93	91	NW	2	S	2	100	10	10	°091	—	—	Overcast, with ●.	
6	28°96	29°04	40°1	38°9	40°8	34°2	1°1	1°0	°225	°218	91	93	S	1	S	1	10	10	10	°004	2°8	—	● showers. ☐	
7	29°10	28°83	43°0	46°9	48°8	36°8	0°5	1°1	°266	°295	96	87	S	1	SE	5	9	10	10	°124	1°2	—	Cloudy.	
8	28°56	°45	50°1	48°7	45°1	45°0	1°8	1°9	°316	°298	87	87	S	7	SSW	6	100	10	10	°191	—	—	Squally, with ● showers.	
9	°42	°47	46°7	46°0	48°7	44°6	1°7	1°0	°279	°287	88	93	W	2	SSW	1	10	100	10	°329	—	—	● showers.	
10	°40	°48	47°3	45°3	50°7	42°4	0°8	0°7	°267	°286	93	95	SSW	2	Cal	0	10	10	10	°138	1°0	—	● showers.	
11	°72	°92	45°1	44°7	47°7	43°8	0°4	0°8	°291	°278	97	94	W	1	Cal	0	100	10	10	°151	0°4	—	Overcast, with ●.	
12	°76	°73	46°9	42°1	47°7	39°9	1°7	1°2	°281	°242	88	90	S	2	S	2	100	10	10	°155	0°4	—	● a. Cloudy.	
13	°44	°75	44°0	46°0	47°9	42°1	1°1	1°1	°263	°285	91	92	S	3	SE	2	10	10	10	°212	0°0	—	● showers.	
14	28°99	28°65	43°1	48°2	48°8	41°9	1°2	1°3	°252	°305	90	91	S	2	S	2	7	8	10	°050	1°8	—	Cloudy.	
15	29°05	29°17	45°0	42°6	49°0	40°0	1°5	1°6	°264	°238	89	87	W	3	S	1	7	10	10	°862	3°7	—	● showers.	
16	28°46	28°95	48°8	43°9	50°7	39°8	1°3	1°4	°313	°256	91	89	SW	6	W	7	10	100	10	°181	—	—	Overcast, with ●.	
17	29°38	29°79	43°0	40°9	49°0	38°8	2°1	1°9	°232	°216	83	85	WSW	2	Cal	0	8	10	10	—	1°2	—		
18	°95	°93	40°5	46°9	48°7	36°7	1°3	1°0	°224	°298	90	93	W	2	S	2	10	10	10	°022	0°1	—	● showers.	
19	°91	°94	47°9	46°9	50°9	40°8	0°9	1°0	°310	°298	94	93	W	3	S	3	8	10	10	°074	4°7	—	● showers.	
20	°68	°65	47°6	42°7	50°7	39°7	0°8	1°8	°310	°236	95	86	SW	3	S	2	100	7	10	°099	4°2	—		
21	29°65	29°83	38°3	40°3	45°4	35°8	1°1	1°4	°209	°221	91	89	S	2	S	1	7	8	10	°017	4°3	—	● showers.	
22	30°01	30°06	36°8	45°8	46°7	35°7	0°7	1°9	°204	°266	94	86	Cal	0	S	2	7	10	10	°003	2°5	—		
23	29°93	29°78	50°9	52°2	55°0	44°0	1°1	1°1	°346	°361	93	93	WSW	2	W	5	10	10	10	°061	—	—	● showers.	
24	°72	°74	50°9	43°0	53°7	41°8	1°0	0°9	°308	°257	93	93	W	4	W	2	10	10	10	°010	2°0	—	● showers.	
25	°69	°72	40°7	43°8	46°7	38°8	2°6	1°3	°202	°237	80	90	W	2	W	3	7	8	10	—	4°4	—		
26	°69	29°55	41°9	44°9	47°1	39°8	1°8	2°7	°228	°238	87	81	W	3	WSW	4	7	10	10	°022	0°4	—	● showers.	
27	°81	30°00	37°9	29°9	45°7	27°9	0°9	0°7	°209	°147	92	88	WNW	2	WNW	2	8	10	10	°017	4°9	—		
28	29°97	29°96	37°9	46°5	48°7	26°9	0°9	1°7	°209	°277	92	88	SSW	3	SSW	2	100	10	10	°036	—	—	● showers.	
29	30°05	30°11	44°9	43°9	46°5	39°8	1°9	1°8	°254	°247	86	86	WSW	2	SW	2	10	10	10	—	—	—		
30	°20	°22	38°9	44°3	45°7	38°8	1°1	2°1	°245	°92	84	84	SW	1	W	1	8	10	10	—	1°8	—	Cloudy.	
31	30°20	30°10	39°3	44°9	47°8	39°0	0°6	0°8	°221	°278	96	94	S	1	S	3	7	10	10	°063	1°3	—	Cloudy.	
M.	29°385	29°411	42°7	43°4	47°6	38°2	1°2	1°3	°251	°255	91	90			2°3	2°4	9°0	9°7	3°094	44				

\* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—DECEMBER 1910.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and Velocity (V.) in statute miles per hour at fixed hours.

Together with the maximum run (horizontal movement) in statute miles in one hour for each day, **OR** the greatest velocity attained in a gust and the time of its occurrence.

DEERNESS.†					NORTH SHIELDS.†						GREAT YARMOUTH.†§						
Height of Cups above—Roof 5 ft., Ground 16 ft., M.S.L. 188 ft.					Height of Cups above—Roof 8 ft., Ground 60 ft.¶, M.S.L. 133 ft.						Height of Head above—Roof 35 ft., Ground 42 ft., M.S.L. 52 ft. Height of Cups above—Roof 12 ft., Ground 60 ft., M.S.L. 73 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust	
1	D. V.	D. V.	D. V.	Hour.							D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
2	4, 4	4, 5	2, 10	4							4, 30	5, 37	5, 42	6, 39	—	50	8. 35
3	—	3, 8	10, 9	23, 24							6, 31	7, 34	7, 29	7, 29	—	43	3. 15
4	11, 18	11, 25	11, 26	23							6, 30	8, 28	8, 36	8, 37	—	42	23. 45
5	10, 32	11, 32	11, 33	16							13, 10	16, 11	13, 12	9, 24	—	42	0. 35
6	12, 26	12, 31	14, 34	23							12, 23	14, 16	15, 12	14, 8	—	34	10. 15
7	13, 11	13, 21	15, 28	1							9, 14	10, 7	13, 8	16, 9	—	23	7. 30
8	—	3, 19	11, 15	1							18, 10	16, 8	14, 10	13, 16	—	30	20. 5
9	11, 23	11, 27	12, 29	16, 21							12, 16	11, 17	10, 28	10, 23	—	34	16. 40
10	9, 27	11, 26	9, 36	11							14, 13	13, 22	14, 19	15, 14	—	45	18. 10
11	11, 29	10, 23	11, 30	2							12, 23	12, 21	14, 12	14, 12	—	38	8. 45
12	11, 28	10, 27	11, 32	14							13, 12	15, 9	15, 9	15, 10	—	25	11. 10
13	15, 18	12, 22	11, 28	24							10, 7	15, 14	12, 25	14, 16	—	41	16. 5
14	11, 31	12, 33	11, 39	15							13, 23	15, 21	15, 15	14, 20	—	49	9. 40
15	22, 12	16, 12	13, 29	2							17, 15	16, 11	13, 22	12, 29	—	46	22. 30
16	14, 18	22, 8	11, 29	4, 5							15, 9	14, 9	24, 7	24, 5	—	44	1. 10
17	9, 14	8, 10	5, 16	22							13, 23	19, 18	19, 20	19, 27	—	54	20. 5
18	29, 24	29, 11	29, 24	13							22, 18	23, 15	24, 16	25, 13	—	49	1. 10
19	27, 12	25, 8	30, 21	4							26, 8	27, 10	27, 9	27, 7	—	*	*
20	27, 25	26, 16	27, 25	13, 14							21, 10	23, 11	24, 10	25, 10	—	*	*
21	17, 34	19, 7	15, 17, 34	8, 10, 12, 13							25, 4	16, 5	16, 7	16, 8	—	25	23. 45
22	10, 29	15, 31	15, 32	16							16, 11	16, 10	17, 10	18, 10	—	28	19. 5
23	26, 18	25, 17	19, 26, 20	1, 14							20, 7	22, 7	23, 6	22, 6	—	17	13. 0
24	20, 23	23, 38	23, 43	16							20, 10	20, 12	20, 20	20, 18	—	?	?
25	25, 34	26, 31	26, 37	12							23, 19	23, 17	25, 15	24, 13	—	39	2. 30
26	27, 22	27, 27	26, 31	24							24, 14	25, 18	25, 11	24, 10	—	29	11. 55
27	29, 16	30, 30	26, 33	2							24, 12	26, 15	25, 8	26, 7	—	?	?
28	3, 10	1, 4	29, 28	2							28, 10	32, 14	32, 18	32, 15	—	42	17. 50
29	24, 25	24, 26	25, 29	24							27, 7	24, 0	20, 12	20, 14	—	33	0. 35
30	26, 32	27, 27	26, 34	10							23, 10	24, 14	24, 12	24, 12	—	24	14. 40
31	27, 10	23, 16	27, 30	1							26, 10	26, 10	26, 5	26, 7	—	22	12. 50
	23, 22	23, 26	23, 26	8							25, 7	25, 5	21, 7	21, 8	—	17	22. 30

PLYMOUTH.§					DOVER.§						SCILLY.†§								
Height of Head above—Roof 3 ft., Ground 86 ft., M.S.L. 185 ft.					Height of Head above—Roof 29 ft., Ground 40 ft., M.S.L. 271 ft.						Height of Head above—Ground 82 ft., M.S.L. 164 ft. Height of Cups above—Ground 19 ft., M.S.L. 150 ft.								
Date.	13h.	18h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.¶	Time of Gust.			
1	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.			
2	—	18	—	40	—	13	—	13	—	35	0. 15	2, 26	3, 17	4, 11	5, 11	—	43	8. 0	
3	—	12	—	30	—	8	—	10	—	22	1. 55	6, 16	10, 17	11, 18	10, 18	—	35	21. 45	
4	—	—	16	—	—	14	—	15	—	31	?	9, 18	10, 13	9, 11	8, 16	—	30	0. 15	
5	—	13	—	33	—	22	—	14	—	34	8. 25	11, 16	11, 23	10, 26	11, 20	—	45	16. 50	
6	—	23	—	41	—	20	—	12	—	39	10. 25	22, 22	14, 10	16, 12	16, 5	—	39	7. 20	
7	—	10	—	62	—	7	—	15	—	34	15. 55	23, 8	24, 16	21, 16	19, 14	—	27	19. 5	
8	—	29	—	36	—	17	—	15	—	34	22. 35	14, 22	10, 27	10, 41	12, 32	—	63	19. 20	
9	—	27	—	60	—	15	—	18	—	33	2. 5	13, 22	15, 23	20, 26	18, 24	—	57	4. 10	
10	—	28	—	54	—	23	—	20	—	45	18. 10	22, 29	20, 25	14, 22	14, 39	—	57	21. 20	
11	—	23	—	60	—	25	—	24	—	45	6. 20	15, 16	16, 20	18, 12	20, 15	—	33	0. 10	
12	—	5	—	54	—	19	—	16	—	32	21. 40	24, 11	23, 18	22, 14	22, 12	—	23	1. 50	
13	—	17	—	25	—	25	—	25	—	49	19. 15	21, 19	21, 24	20, 25	20, 14	—	49	19. 55	
14	—	39	—	50	—	29	—	34	—	53	12. 35	19, 27	18, 32	32, 31	22, 30	—	73	2. 30	
15	—	26	—	76	—	27	—	*	—	?	?	17, 21	16, 22	18, 24	20, 25	—	48	22. 10	
16	—	22	—	44	—	*	—	14	—	?	?	26, 37	24, 24	20, 9	12, 20	—	49	8. 45	
17	—	41	—	45	—	39	—	38	—	67	18. 55	22, 45	22, 49	23, 47	24, 34	—	74	12. 45	
18	—	11	—	16	—	19	—	15	—	60	0. 5	24, 19	28, 18	29, 25	29, 25	—	38	3. 10	
19	—	12	—	32	—	15	—	18	—	33	12. 5	28, 22	28, 19	27, 15	24, 17	—	38	4. 45	
20	—	11	—	30	—	14	—	10	—	29	20. 15	24, 19	24, 19	24, 14	24, 11	—	27	11. 20	
21	—	25	—	22	—	3	—	9	—	34	22. 45	18, 22	16, 25	21, 13	18, 11	—	38	12. 55	
22	—	3	—	42	—	24	—	21	—	39	?	25, 7	28, 12	28, 8	26, 10	—	18	13. 0	
23	—	2	—	16	—	0	—	5	—	?	?	28, 9	28, 10	26, 11	26, 10	—	16	15. 45	
24	—	10	—	8	—	14	—	17	—	46	23. 5	23, 17	24, 25	24, 21	24, 22	—	35	21. 45	
25	—	17	—	29	—	27	—	16	—	51	8. 40	24, 20	24, 27	26, 23	26, 24	—	40	8. 15	
26	—	16	—	33	—	10	—	21	—	31	13. 50	26, 22	29, 20	28, 23	28, 26	—	38	1. 45	
27	—	13	—	35	—	10	—	15	—	45	23. 30	27, 28	28, 27	26, 26	26, 31	—	45	23. 55	
28	—	20	—	40	—	31	—	37	—	55	12. 30	30, 29	31, 30	32, 32	32, 18	—	49	7. 10	
29	—	2	—	16	—	13	—	1	—	25	1. 0	—	21, 4	24, 16	24, 18	—	23	21. 40	
30	—	6	—	17	—	9	—	6	—	27	3. 20	24, 15	25, 13	28, 10	31, 8	—	24	6. 35	
31	—	5	—	11	—	19	—	16	—	30	5. 50	30, 5	31, 5	*	4	—	20	5. 50	
	3	—	6	12. 5	—	0	—	2	—	15	21. 55	*	28, 5	28, 4	—	3	—	15	22. 40

The velocities at fixed hours are means for the interval from 30 minutes before to 30 minutes after the hour. The hours are numbered 1<sup>h</sup> to 24<sup>h</sup>. Time is referred to Greenwich Mean Time, except at Kingstown and Roches Point, where Dublin Mean Time is used. Directions are not specified if the velocity is less than 4 miles per hour.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cups 9 inches; Factor 2.2.

‡ Robinson Cup Anemometer; Arms 1 foot; Diameter of Cups 5 inches; Factor 2.8.

§ Dines Pressure Tube Anemometer.

|| At Great Yarmouth and Scilly the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted being the greatest winds in a gust as recorded by the Dines Pressure Tube.

¶ The lighthouse on which the anemometer is erected stands upon a steep bank or cliff. On one side houses adjoin it, rising to 30 feet above the ground.

## ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡							HOLYHEAD.†§						
Height of Cups above—Roof 8 ft., Ground 30 ft., M.S.L. 405 ft.					Height of Head above—Roof 36 ft., Ground 50 ft., M.S.L. 68 ft.							Height of Head above—Roof 29 ft., Ground 45 ft., M.S.L. 63 ft. Height of Cups above—Roof 15 ft., Ground 25 ft., M.S.L. 50 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.	
1	4, 10	5, 11	6, 13	21, 22	4, 19	4, 17	5, 23	6, 19	—	35	23. 35	4, 29	4, 33	4, 30	4, 32	—	51	
2	7, 17	5, 16	6, 20	10	6, 18	7, 26	6, 21	7, 21	—	43	5. 25	5, 38	6, 34	6, 34	7, 28	—	55	
3	8, 17	6, 6	8, 18	12, 14	8, 16	8, 27	8, 16	8, 18	—	38	13. 20	7, 25	7, 32	7, 25	8, 19	—	44	
4	14, 5	13, 4	4, 10	2, 3	7, 7	13, 11	12, 9	9, 9	—	22	0. 25	7, 8	14, 10	9, 9	8, 7	—	30	
5	15, 21	16, 15	16, 23	15	12, 28	15, 24	15, 12	15, 11	—	39	9. 5	7, 24	17, 29	15, 14	14, 12	—	50	
6	8, 7	13, 6	15, 11	3	12, 9	12, 10	18, 12	18, 11	—	21	18. 45	—	8, 7	19, 9	20, 9	—	22	
7	—	3	10, 18	23	15, 12	12, 13	12, 13	10, 18	—	35	23. 25	16, 10	14, 12	7, 15	5, 21	—	49	
8	9, 15	8, 18	8, 18	18	11, 21	9, 22	9, 23	10, 22	—	45	18. 50	10, 21	6, 23	8, 20	8, 20	—	42	
9	12, 21	16, 20	14, 22	14	11, 18	13, 27	15, 19	14, 19	—	48	10. 55	11, 25	17, 29	16, 26	14, 19	—	53	
10	10, 10	13, 10	13, 24	4	11, 19	11, 19	13, 14	12, 14	—	35	5. 35	13, 15	8, 10	13, 10	10, 12	—	39	
11	14, 12	16, 12	14, 13	10, 11	13, 14	15, 16	15, 14	17, 12	—	22	13. 10	13, 16	17, 15	19, 13	20, 12	—	28	
12	12, 13	13, 9	16, 14	24	13, 13	12, 19	15, 15	15, 13	—	31	14. 25	12, 18	12, 20	15, 13	17, 13	—	36	
13	16, 18	14, 21	15, 28	9, 24	14, 23	15, 18	12, 22	15, 23	—	40	21. 40	14, 23	15, 24	13, 32	15, 23	—	54	
14	16, 14	11, 13	16, 22	1, 2	16, 10	14, 17	11, 22	12, 20	—	35	19. 40	18, 15	14, 18	10, 18	14, 12	—	42	
15	21, 7	24, 13	24, 13	17, 18	18, 8	21, 13	24, 17	21, 17	—	27	15. 30	20, 11	22, 29	22, 12	20, 10	—	42	
16	19, 15	18, 7	17, 22	11	13, 19	19, 23	20, 12	22, 19	—	46	5. 25	16, 24	18, 27	23, 22	24, 30	—	48	
17	26, 11	24, 4	22, 15	1, 2	28, 24	28, 29	28, 29	28, 22	—	41	11. 55	27, 28	27, 25	27, 28	26, 25	—	42	
18	28, 13	—	28, 13	13	27, 22	27, 20	25, 12	21, 11	—	32	5. 50	25, 24	26, 18	24, 7	20, 14	—	38	
19	24, 12	25, 8	23, 28	15	20, 18	26, 21	28, 16	6, 5	—	33	11. 25	20, 15	25, 16	24, 7	20, 4	—	28	
20	16, 15	16, 16	16, 16	16, 18	12, 13	14, 16	18, 16	16, 8	—	27	17. 40	15, 22	16, 24	19, 10	18, 10	—	42	
21	20, 4	—	20, 8	22, 23	15, 13	17, 11	17, 13	19, 15	—	25	23. 50	19, 14	20, 15	20, 18	20, 18	—	32	
22	24, 14	23, 6	24, 14	12, 13	23, 22	24, 23	24, 21	22, 18	—	33	3. 25	23, 19	23, 18	22, 15	21, 15	—	29	
23	22, 16	21, 16	22, 18	14, 15, 22, 24	20, 24	21, 32	20, 28	21, 31	—	43	23. 45	19, 20	18, 23	19, 21	19, 18	—	40	
24	24, 15	24, 15	22, 25	2	23, 35	26, 25	26, 28	25, 29	—	48	3. 45	21, 29	25, 29	25, 26	24, 27	—	45	
25	24, 10	26, 14	24, 17	5	26, 31	25, 28	25, 30	26, 28	—	47	23. 0	25, 29	25, 27	25, 29	25, 29	—	43	
26	24, 9	26, 15	25, 18	17	27, 31	26, 26	27, 32	30, 19	—	48	4. 20	26, 29	24, 27	25, 31	27, 34	—	47	
27	28, 11	—	30, 15	8	30, 26	31, 22	31, 12	32, 11	—	34	6. 40	32, 32	32, 29	1, 15	3, 4	—	46	
28	20, 7	20, 8	23, 13	20	16, 11	15, 12	21, 28	24, 28	—	37	15. 50	19, 13	19, 21	20, 21	24, 23	—	37	
29	24, 16	23, 10	24, 17	14, 15	24, 23	24, 29	24, 22	24, 20	—	35	7. 5	24, 21	25, 23	24, 24	25, 21	—	38	
30	—	2	—	8	26, 22	27, 11	27, 10	25, 11	—	32	3. 15	25, 16	26, 15	26, 10	24, 6	—	31	
31	21, 6	22, 10	22, 15	23, 24	22, 13	21, 16	21, 18	21, 21	—	28	22. 55	20, 10	20, 18	20, 15	20, 16	—	31	

GLASGOW.†					KINGSTOWN.†							ROCHES POINT.‡						
Height of Cups above—Roof 22 ft., Ground 47 ft., M.S.L. 227 ft.					Height of Cups above—Roof 16 ft., Ground 27 ft., M.S.L. 49 ft.							Height of Head above—Roof 23 ft., Ground 30 ft., M.S.L. 91 ft.						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.		
	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.	
1	3, 6	3, 10	4, 14	22	4, 29	4, 27	6, 35	5, 33	6, 39	24	—	16	—	21	—	31	11. 40	
2	6, 10	7, 10	4, 14	1	7, 36	7, 34	7, 40	7, 38	6, 42	6	—	15	—	10	—	37	22. 40	
3	7, 10	7, 13	8, 15	10	8, 30	8, 22	11, 18	11, 19	7, 33	6	—	27	—	21	—	38	0. 30	
4	5, 8	7, 7	6, 13	8	6, 5	—	2, 5	7, 12	9, 19	22	—	20	—	18	—	13	?	
5	6, 10	15, 16	15, 18	19	5, 15	20, 14	20, 7	15, 4	7, 21	2	—	20	—	4	—	10	23. 45	
6	7, 4	7, 6	7, 7	17	—	3	—	2, 17	18, 8	19, 20	—	1	—	3	—	2	17. 50	
7	19, 4	15, 4	6, 10	24	14, 13	14, 18	9, 23	8, 33	8, 42	24	—	20	—	25	—	41	22. 30	
8	7, 10	7, 14	6, 15	15, 20, 23, 24	9, 36	10, 34	10, 32	9, 35	9, 47	1	—	35	—	33	—	17	6. 30	
9	9, 10	14, 11	8, 14	14	12, 27	24, 4	17, 9	16, 17	12, 29	7, 8	—	13	—	22	—	21	13. 15	
10	10, 9	8, 9	15, 12	1	14, 18	14, 12	12, 10	14, 9	8, 27	2	—	17	—	15	—	10	14. 10	
11	10, 5	9, 8	6, 11	6	20, 10	21, 18	21, 15	20, 11	22, 23	14	—	13	—	9	—	6	8. 30	
12	10, 8	9, 10	10, 11	20	12, 18	12, 31	16, 11	16, 9	12, 31	12, 13	—	35	—	20	—	19	5. 50	
13	12, 10	12, 7	9, 14	24	18, 12	16, 22	15, 18	20, 31	10, 33	5	—	31	—	36	—	16	10. 35	
14	17, 8	13, 9	6, 14	23	16, 13	14, 12	12, 29	16, 14	12, 29	18	—	17	—	30	—	7	12. 55	
15	—	3	6, 11	1	22, 21	24, 26	21, 14	14, 4	24, 37	11, 12	—	20	—	15	—	11	23. 55	
16	5, 18	1, 10	5, 18	12	19, 21	18, 14	24, 21	24, 32	10, 37	3	—	26	—	—	—	32	0. 5	
17	26, 10	26, 8	27, 12	14	22, 24	26, 26	24, 21	24, 22	24, 29	24	—	15	—	19	—	20	20. 30	
18	25, 6	22, 7	22, 10	6	24, 21	24, 17	18, 4	21, 11	24, 26	3	—	10	—	4	—	9	0. 45	
19	26, 15	22, 9	24, 21	10	22, 28	26, 15	—	2, 16	22, 29	8	—	7	—	2	—	10	23. 30	
20	19, 12	20, 6	15, 13	9, 12	14, 13	22, 12	19, 8	19, 15	16, 25	6	—	9	—	7	—	12	6. 0	
21	14, 7	17, 15	17, 19, 18	17, 24	20, 11	19, 22	20, 23	20, 18	20, 29	24	—	3	—	14	—	8	14. 10	
22	23, 12	21, 10	21, 16	8	21, 10	22, 16	22, 23	20, 12	21, 32	4	—	3	—	8	—	10	0. 15	
23	19, 14	23, 20	21, 21	15	19, 12	20, 18	21, 29	20, 29	21, 35	15, 16	—	10	—	21	—	12	13. 30	
24	22, 9	24, 9	22, 18	2	22, 25	25, 24	24, 25	23, 29	21, 37	6	—	12	—	25	—	18	13. 40	
25	24, 13	21, 10	24, 13	12, 13, 14, 20	23, 29	24, 28	24, 27	24, 23	23, 33	10	—	22	—	22	—	12	15. 10	
26	22, 6	23, 4	24, 16	3	23, 28	23, 25	25, 29	26, 26	24, 30	14	—	17	—	20	—	28	18. 0	
27	30, 4	—	28, 7	8, 10	28, 21	29, 18	27, 16	24, 11	28, 23	10	—	22	—	17	—	9	5. 10	
28	22, 18	22, 15	20, 18	12	—	21, 23	23, 22	24, 18	23, 27	24	—	3	—	12	—	10	15. 30	
29	23, 6	23, 10	23, 25, 13	2, 23	23, 18	24, 20	24, 22	24, 18	24, 23, 23	1, 3, 7	—	8	—	5	—	5	9. 30	
30	24, 8	24, 5	24, 12	4	25, 14	26, 12	23, 4	22, 8	24, 16	2, 3	—	2	—	2	—	1	0. 5	
31	21, 12	20, 18	19, 20	23	18, 5	20, 22	20, 10	20, 16	21, 27	24	—	6	—	15	—	11	12. 30	

At HOLYHEAD the readings at fixed hours are taken from the Robinson Anemometer, the maxima quoted are the greatest winds in a gust as recorded by the Dines Pressure Tube.

DEERNES, PLYMOUTH, STONYHURST, GLASGOW, DUBLIN (PHENIX PARK), ARMAGH.—Wind values for 9 a.m. and 9 p.m. (21) are given in the preceding tables. A table for comparing wind velocities determined by Anemometer with estimates on the Beaufort Scale of Wind Force (based on the formula  $V^2 = 3.5 B^2$ ) will be given in the Introduction.

\* No Record.

† Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.

‡ The ground is a mound 300 by 130 feet, about 15 feet above the general level.

§ Dines Pressure Tube Anemometer.

|| Anemometer cups 9½ feet above the level of the semispherical dome, distant 10 yards.