

POSITIONS OF STATIONS OF THE SECOND ORDER AND ANEMOGRAPH STATIONS, 1909.



M.O. No. 199.

FOR OFFICIAL USE.

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

For the Year 1909,

FORMING

PART III. OF THE BRITISH METEOROLOGICAL YEAR-BOOK.

Published by Authority of the Meteorological Committee.



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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	3	15	27	39	51	63	75	87	99	111	123	135
Dunrobin Castle	1	13	25	37	49	61	73	85	97	109	121	133
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
Laudale	2	14	26	38	50	62	74	86	98	110	122	134
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 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 six 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 the present volume the form has been amplified 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.

* The volume for 1907 has not yet been issued.

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).
Laudale	J. A. Fletcher.	a	A. and B. from 1879, m. from 1884, M. from 1902.
§ Dundee	J. Carnochan.	c.d	J.S.M.S. from 1865, A. and B. from 1880, M. from 1907 (October).
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 (Morpeth)	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 Captain 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:—

- 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.
- Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.
- "Temperature Tables of the British Islands," 1871-1900. Monthly averages of mean maximum, mean minimum, and mean temperature, generally for the thirty years 1871-1900, together with information on the extremes of temperature over the same period.
- "Rainfall Tables 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:—

- Daily Values in "Observations at Stations of the Second Order."
- Monthly Summaries till 1907 in "Observations at Stations of the Second Order."
- Full Monthly Summaries in the "Monthly Weather Report."
- Abridged Monthly Summaries in the "Monthly Weather Report."
- Q.W.R. Monthly Summaries in the "Quarterly Weather Report, 1869-1880."
- 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.

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 W
Ice Crystals <	Lightning <	Haze ∞
Fog ≡	Gale /	

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

●⁰ slight rain.

●² 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, C.E., for the Corporation.	A.	29	40	271
Scilly	A. Hicks.	{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, 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. Osborne, 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 1909 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 six 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.

November 1909.

ERRATUM.

Page 33. Markree Castle:—5th, Remarks, for "—," read "—*."

* For daily observations at other stations reference may be made to the Daily Weather Report issued at 1.30 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 1909.

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 Station Level and Latitude.		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	ins.	ins.							in.	in.	%	%					ins.	hrs.	°	● 10p.		
2	29.97	29.86	45.0	46.1	47.0	39.3	1.9	1.6	255	275	86	89	S	20	SW	24	9	9	12	—	Fine all day. Red sunset.	
3	30.12	30.07	41.3	45.1	46.9	39.5	0.8	0.1	243	298	94	99	WSW	7	SSW	11	5	9	—	0.5	Fine all day.	
4	'07	'06	46.0	48.0	50.1	39.3	2.0	1.7	265	292	86	88	W	15	SSW	13	9	10	—	0.1	Dull a. Fair p.	
5	'14	30.24	50.0	46.5	50.8	45.3	2.0	1.5	309	281	86	89	WSW	22	SW	10	10	10	—	—	Very fine all day.	
6	'15	29.97	39.8	44.0	47.6	38.0	1.0	1.0	225	265	92	92	SW	5	SW	18	0	10	—	5.1	Very fine a. ● showers p.	
7	30.08	'56	39.0	38.8	44.8	35.1	3.7	2.5	169	188	72	80	WNW	4	W	32	9	7	30	1.8	Very fine a. ● showers p.	
8	29.40	'37	36.3	34.0	41.8	32.8	1.3	0.8	190	180	89	91	W	24	NW	32	10	10	10	10	1.8	Very fine a. ● showers p.
9	'42	'92	37.0	38.5	40.6	31.8	2.0	3.5	182	168	83	72	NW	44	NW	13	8	9	16	0.5	Very fine a. ● showers p.	
10	'73	'34	43.6	45.2	45.4	37.0	1.2	0.9	257	280	90	93	W	18	SW	19	9	10	29	—	Very fine a. ● showers p.	
11	29.39	29.03	40.4	41.1	46.3	38.0	3.4	2.0	185	216	74	84	W	14	W	22	10	10	10	6.5	Very fine a. ● showers p.	
12	28.68	28.64	35.1	31.0	41.8	30.0	0.7	0.0	191	174	93	100	W	34	WNW	28	8	10	31	0.3	Very fine a. ● showers p.	
13	'81	29.32	36.2	31.1	36.6	29.4	2.5	2.1	168	126	79	71	WNW	25	W	7	9	5	0.4	—	Very fine a. ● showers p.	
14	'88	28.34	36.0	36.0	40.0	30.7	1.2	1.5	189	184	89	87	S	30	SW	19	10	3	10	—	Very fine a. ● showers p.	
15	'38	'50	35.8	34.5	41.0	33.8	1.0	0.5	193	190	92	95	W	17	SW	12	8	8	30	0.6	Very fine a. ● showers p.	
16	'42	28.60	32.8	33.4	36.6	31.0	0.0	1.4	187	163	100	85	NW	29	SW	19	10	8	0.4	1.3	Very fine a. ● showers p.	
17	28.71	29.15	32.0	36.5	36.8	31.0	0.3	2.1	175	177	96	82	W	9	W	22	8	2	15	2.1	Very fine a. ● showers p.	
18	29.05	'02	40.8	42.2	43.6	32.4	1.8	1.4	217	239	86	90	S	36	SW	15	10	3	19	—	Very fine a. ● showers p.	
19	'04	'19	42.3	38.4	44.1	37.8	1.3	3.1	242	174	90	75	SSW	14	SW	23	10	4	—	—	Very fine a. ● showers p.	
20	29.42	29.74	38.0	40.2	40.3	35.0	2.8	2.0	176	209	77	85	SW	26	W	21	3	3	15	2.3	Very fine a. ● showers p.	
21	30.09	30.11	40.0	44.0	44.0	36.2	1.2	1.9	222	246	90	85	SW	8	SSW	13	7	10	—	—	Very fine a. ● showers p.	
22	'03	'10	44.0	40.8	45.8	39.8	1.2	2.5	261	205	90	80	SSW	18	WSW	9	7	1	14	0.9	Very fine a. ● showers p.	
23	30.16	30.05	38.8	42.0	42.0	37.0	1.4	2.0	209	225	89	85	SW	9	S	18	4	9	0.2	1.8	Very fine a. ● showers p.	
24	29.94	29.90	42.0	39.4	43.3	38.6	1.0	1.4	245	214	92	89	S	12	S	16	10	5	—	—	Very fine a. ● showers p.	
25	'89	29.90	37.2	37.0	40.0	35.8	2.9	4.0	168	149	76	68	S	27	S	24	6	1	2.8	—	Breezy. Stars scintillating.	
26	29.91	30.02	37.9	41.4	41.4	35.8	1.9	1.0	191	240	84	92	S	16	SSW	10	3	10	0.9	—	Fine a. ● a. ● from 1p.	
27	30.07	30.11	43.0	43.0	44.1	40.6	1.4	1.5	247	245	89	88	S	15	S	18	7	3	—	—	Fine all day.	
28	29.82	'70	40.7	40.5	43.0	39.2	2.4	1.5	206	220	81	88	S	24	SW	12	10	2	0.5	5.4	Fine all day.	
29	'58	'65	38.3	32.0	41.0	30.2	2.0	0.5	100	150	65	92	NW	35	NNW	27	10	3	0.7	—	Breezy. Stars scintillating.	
30	'82	'83	28.2	29.5	32.8	25.6	2.0	0.5	100	150	65	92	NW	35	NNW	27	10	3	1.0	0.1	Very fine a. ● showers p.	
31	29.72	29.60	33.0	31.8	34.8	28.0	1.5	1.6	157	143	83	79	N	15	—	1	7	1	3.5	—	Very fine a. ● showers p.	
M.	29.580	29.575	39.1	39.2	42.6	35.3	1.6	1.7	209	209	86	86	—	20	—	18	7.6	6.3	3.95	26	—	Very fine a. ● showers p.

DUNROBIN CASTLE, SUTHERLANDSHIRE, c.d.—JANUARY 1909.

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	30.05	30.10	46.5	47.0	49.0	34.5	1.0	2.0	293	275	93	86	W	1	W	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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Corresponding Average Values are referred to thus:—a. Appendix III, "Weekly Weather Report," 1905; 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

TILLYPRONIE, ABERDEENSHIRE.—JANUARY 1909.

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 Station Level and Latitude.		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.	%	%	SE	†			ins.	hrs.	°	Fresh and mild. Fresh and mild. Fresh and mild. Fresh and mild. K *† *†† Fresh and milder. †T* * * *†† † Fresh and mild. Fresh and mild. ∞ Sunny. Sunny to dull. Sunny. Sunny. Sunny to ∞. * ∞
2	29.05	28.97	43.6	42.5	46.3	32.5	2.1	1.5	.239	.239	84	88	SE	2	SW	1	8	—	—	—	
3	29.14	29.14	43.5	44.5	49.7	40.0	0.9	1.5	.262	.259	93	88	SW	1	SW	1	8	7	01	—	
4	29.12	29.15	44.3	45.6	48.5	36.0	2.3	1.4	.241	.274	82	90	SW	1	W	2	7	8	01	—	
5	29.22	29.26	46.2	40.2	50.4	40.2	1.7	2.2	.274	.205	89	83	SW	1	W	1	6	0	—	—	
6	29.15	29.04	41.8	39.5	46.1	34.5	3.6	2.3	.195	.198	74	82	SW	6	SW	2	0	2	—	—	
7	29.07	28.75	31.5	34.5	42.5	31.0	0.5	0.5	.165	.203	93	96	SW	1	S	2	0	2	19	—	
8	28.58	28.44	34.5	31.5	38.0	32.5	1.5	1.0	.170	.180	84	90	SW	1	S	2	10	0	14	—	
9	28.58	28.42	32.1	32.0	36.5	30.5	0.6	0.5	.169	.170	92	93	NW	8	NE	1	6	4	08	—	
10	28.57	28.51	35.0	43.0	44.0	31.5	1.0	3.5	.184	.206	90	75	NW	1	W	6	8	8	03	—	
11	28.57	28.16	35.8	41.5	43.8	34.5	2.8	3.0	.158	.202	75	78	SE	1	SW	2	8	10	10	—	
12	27.85	27.83	37.0	30.2	42.0	28.8	0.8	2.2	.204	.114	91	68	S	8	NW	6	10	24	—	—	
13	27.93	28.33	29.5	29.5	35.0	26.8	1.5	1.0	.123	.136	75	83	NW	5	NW	1	7	6	11	—	
14	28.07	27.55	32.8	31.9	35.8	24.0	1.8	1.3	.149	.150	80	83	SE	6	W	6	8	0	16	—	
15	27.50	27.58	34.8	33.0	30.5	31.0	1.8	1.5	.166	.157	82	83	W	6	SE	4	10	45	—	—	
16	27.52	27.69	30.2	28.7	33.5	28.6	1.2	1.2	.137	.124	81	79	S	6	SW	6	10	4	19	—	
17	27.74	28.29	27.8	29.2	31.0	25.8	0.8	0.7	.127	.142	94	88	W	7	NW	4	10	2	03	—	
18	28.24	28.11	37.5	42.5	45.5	28.6	2.3	2.5	.181	.220	81	81	S	8	W	9	10	4	09	—	
19	28.07	28.37	39.6	37.5	43.5	36.5	1.6	2.3	.211	.181	87	81	NW	8	NW	4	6	0	—	—	
20	28.50	28.86	33.8	34.5	40.2	32.2	0.3	2.5	.188	.152	97	75	NW	8	SW	4	0	0	—	—	
21	29.13	29.16	31.5	37.2	44.5	31.4	1.3	1.2	.147	.198	82	89	SW	1	SW	1	0	0	—	—	
22	29.07	29.10	38.8	38.2	48.0	35.0	1.8	1.0	.201	.210	85	92	S	1	W	1	2	8	01	—	
23	29.11	29.08	34.2	35.0	40.7	33.5	0.7	1.4	.184	.176	93	86	SW	1	SW	1	4	8	—	—	
24	28.96	28.87	35.0	34.0	39.2	29.0	0.5	0.4	.194	.188	95	96	SE	1	SE	2	8	2	—	—	
25	28.88	28.88	28.8	28.0	39.0	25.0	0.6	0.2	.141	.146	89	95	S	3	SE	2	2	0	—	—	
26	28.96	29.03	31.5	40.2	41.3	26.0	0.5	2.2	.165	.205	93	83	S	1	SW	1	8	10	—	—	
27	29.08	29.11	38.0	38.0	48.0	37.5	0.9	1.8	.210	.194	92	85	SW	1	S	1	2	0	—	—	
28	29.12	29.04	35.0	32.0	41.8	31.8	0.9	1.8	.186	.141	91	77	SE	1	SE	1	2	0	—	—	
29	28.88	28.82	34.8	36.0	38.8	32.0	1.8	0.8	.166	.197	82	93	S	6	SE	1	6	4	01	—	
30	27.6	27.62	35.0	31.5	43.2	29.5	2.5	1.5	.156	.142	76	80	W	1	SE	6	0	4	10	—	
31	28.7	28.77	27.0	29.0	33.0	26.1	0.8	0.5	.120	.145	83	91	NW	4	N	4	6	10	05	—	
31	28.76	28.57	29.2	34.0	35.2	27.1	0.4	1.2	.150	.172	93	87	N	1	NW	4	8	4	05	—	
M.	28.649	28.645	35.2	35.8	41.4	31.3	1.3	1.5	.179	.181	86	85	3.5	3.0	5.7	4.3	2.05	—	—		

LAUDALE, ARGYLESHIRE, a.—JANUARY 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +0.31 in.

1	30.25	30.23	48.0	50.2	50.5	39.0	0.9	1.0	312	337	94	93	W	4	W	5	100	100	23	—	—	Misty, with ● showers.	
2	30.34	30.34	51.0	50.0	52.2	49.0	1.0	0.9	348	337	93	94	W	4	W	4	100	5	07	—	—	Misty, with ● showers.	
3	30.39	30.41	47.1	51.3	53.2	45.0	1.1	2.3	297	319	92	84	W	3	W	4	7	100	06	—	—	Misty, with ● showers.	
4	30.40	30.49	49.2	46.9	52.2	46.0	2.2	0.7	296	304	85	95	W	3	W	1	5	10	—	—	—	Damp and misty.	
5	30.40	30.28	46.8	44.9	48.0	43.2	2.8	0.9	255	276	86	93	SW	3	SW	4	10	10	25	—	—	Dull and misty, ● n.	
6	30.34	30.04	36.0	41.9	45.9	31.7	0.0	4.1	212	189	100	72	NW	1	NW	7	7	5	37	—	—	☔ ● (sleet) 4p.—9p.	
7	29.85	29.84	38.0	35.0	45.1	33.3	0.1	0.1	226	202	99	99	NW	7	N	5	100	9	52	—	—	☔ n. ● (sleet) showers.	
8	29.93	30.22	41.1	39.0	41.2	33.9	3.4	1.7	191	205	75	86	N	7	N	4	10	5	04	—	—	Misty all day.	
9	30.00	29.74	45.5	49.9	50.0	35.6	1.6	0.7	268	341	88	95	NW	4	W	7	10	5	38	—	—	Misty, with ● showers.	
10	29.70	29.42	43.9	44.9	51.3	40.0	2.0	1.7	244	259	85	88	W	3	W	4	10	9	43	—	—	Misty, with ● showers.	
11	29.70	29.42	43.9	44.9	51.3	40.0	2.0	1.7	244	259	85	88	W	3	W	4	10	9	43	—	—	☔ ● ▲	
12	29.73	29.50	38.0	37.9	39.9	31.2	4.2	2.4	154	183	67	80	NW	5	NW	4	7	10	92	—	—	▲ ☔ ▲	
13	29.06	28.71	39.9	39.9	42.2	37.9	0.8	3.2	229	186	94	75	W	4	W	8	100	9	07	—	—	Dull and overcast.	
14	28.86	28.60	42.5	34.2	43.2	32.3	3.5	0.0	202	198	74	100	NW	7	S	3	9	100	63	—	—	☔ ● showers.	
15	28.86	28.84	34.0	35.3	39.2	31.9	1.0	1.3	176	181	89	88	W	1	S	4	10	10	43	—	—	☔ ● showers.	
16	28.86	29.56	33.9	38.2	39.9	25.6	0.4	3.3	187	169	96	73	S	4	NW	5	10	10	24	—	—	☔ ● showers.	
17	29.36	29.29	44.9	49.5	50.9	37.0	1.8	2.5	256	292	87	83	W	6	S	5	100	100	124	—	—	Snow on hills.	
18	29.28	29.50	42.9	40.9	49.9	37.0	1.4	3.4	246	190	89	75	SW	4	W	5	10	3	42	—	—	☔ ● showers.	
19	29.75	30.07	39.1	42.2	43.4	35.2	0.8	3.1	223	207	93	78	W	5	W	5	10	2	34	—	—	☔ ● showers.	
20	30.35	30.39	40.9	45.3	46.2	34.4	0.9	0.4	236	294	93	97	W	2	SW	4	10	100	06	—	—	Dull and overcast.	
21	30.32	30.34	45.9	40.2	47.9	39.0	0.7	0.0	292	249	95	100	SW	4	W	3	100	3	01	—	—	Misty, with ● showers.	
22	30.33	30.38	43.3	43.9	34.0	1.5	0.4	203	272	87	97	S	4	W	5	6	5	10	—	—	—	Dull and squally.	
23	30.15	30.06	41.1	39.9	43.5	38.0	1.0	1.1	236	224	92	91	SW	4	S	5	10	10	—	—	—	Dull, squally, and misty.	
24	30.08	30.05	35.0	37.5	40.5	33.7	0.8	1.8	188	190	92	85	S	4	SE	5	100	100	03	—	—	∞ all day.	
25	30.11	30.22	38.1	44.2	43.9	30.1	0.6	0.3	217	284	95	98	S	8	S	6	10	10	04	—	—	∞ ● showers.	
26	30.29	30.31	45.1	45.1	46.2	43.0	1.1	0.8	274	281	91	93	S	5	S	5	10	10	—	—	—	∞	
27	30.32	30.18	45.1	41.2	47.9	39.9	1.1	4.0	274	182	91	70	S	5	S	5	100	4	56	—	—	Dark, with ∞.	
28	30.05	29.94	44.2	43.2	45.0	39.0	0.3	0.2	284	275	98	98	SW	5	W	4	100	4	42	—	—	● a. and p. Fine afternoon.	
29	29.99	30.00	42.5	40.2	44.9	38.0	1.3	1.3	243	222	90	90	W	4	N	5	100	4	07	—	—	Snow on hills. ● showers.	
30	30.19	30.14	36.0	36.5	40.2	34.2	0.5	1.5	203	187	96	87	N	4	N	2	10	10	04	—	—	Overcast and cold.	
31	29.99	29.84	34.5	42.2	43.0	32.1	0.0	0.2	200	265	100	98	N	2	W	2	10	100	12	—	—	Very misty. ● p.	
M.	29.885	29.870	41.6	42.1	45.8	36.7	1.3	1.5	239	242	90	89	4.3	4.6	9.4	8.0	10.19	—	—	—	—	—	

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—JANUARY 1909.

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.

Day.	Barometer at 32° Fahr. at Station Level and Latitude.		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.									
1	ins.	ins.	41.8	44.9	45.5	33.6	0.3	0.9	260	98	93	SW	1	SW	1	10	ins.	hrs.	°	Cloudy.					
2	30.18	30.13	41.8	44.9	45.5	33.6	0.3	0.9	260	98	93	SW	1	SW	1	10	—	—	—	Dull.					
3	23	24	44.0	46.2	47.2	42.9	0.1	0.6	286	99	96	NW	1	SW	1	10	—	—	—	Cloud and sunshine.					
4	21	25	45.4	48.4	48.9	42.9	0.6	1.4	290	305	96	90	SW	3	SW	1	10	—	—	—	Fine to tp., then dull.				
5	34	34	45.0	44.9	49.6	43.5	0.8	1.4	280	266	94	90	SW	1	SW	1	5	—	—	—	Dull and cloudy.				
6	29	30.17	43.6	42.0	46.2	41.3	1.4	1.5	252	235	89	89	S	3	SW	1	10	04	—	—	Cloud and sunshine.				
7	30.17	29.84	38.7	40.2	43.3	37.4	0.3	0.9	229	237	97	92	NW	1	SW	1	10	02	—	—	Dull.				
8	29.81	29.59	36.5	34.0	41.5	32.0	0.8	1.8	200	160	93	81	SW	3	W	1	10	06	—	—	Dull. ● noon—2.30p.				
9	58	30.01	35.5	36.4	39.4	30.9	2.0	1.9	170	180	82	84	NW	5	NE	5	5	—	—	—	Fresh. *. Cloudy.				
10	92	29.60	36.8	41.8	42.8	33.5	1.4	1.0	192	245	89	92	SW	1	SW	1	10	03	—	—	Dull.				
11	29.59	29.25	36.2	42.4	45.4	34.0	1.2	1.0	191	250	89	92	SW	1	W	1	5	—	—	—	Cloudy. [3				
12	28.98	28.92	41.9	34.5	43.7	33.7	1.4	0.7	237	186	90	93	SW	5	SW	3	5	18	—	—	● showers till noon. Dull from				
13	29.11	29.41	31.5	29.5	35.8	27.8	0.3	0.3	171	155	96	95	W	1	NW	1	10	10	—	—	* n. and till 9a. Fine till 4				
14	29.08	28.65	35.2	34.2	38.5	28.7	1.0	1.0	186	178	90	89	SW	4	SW	3	10	5	29	—	Dull. ● 0.30p.—4p.				
15	28.62	28.66	35.4	32.5	39.7	32.0	0.7	0.3	194	179	94	97	SW	3	NW	1	7	5	38	—	● n. * showers to 8p.				
16	28.87	28.79	33.5	33.5	36.7	31.0	1.5	1.0	161	171	84	89	SW	3	NW	1	5	10	02	—	● n. Dull, with * shower				
17	29.38	29.44	30.4	30.8	34.7	29.5	0.6	0.8	154	152	91	88	SW	3	SW	3	5	10	05	—	—	—	* showers all day.		
18	15	40	47.9	39.5	49.9	38.2	1.9	1.3	286	216	87	90	SW	7	SW	1	5	10	23	—	—	● showers from 11.30a. Dull			
19	29.75	29.91	34.7	34.5	40.8	33.0	1.2	0.8	178	184	89	92	SW	1	SW	3	7	5	—	—	—	Cloudy.			
20	30.23	30.28	32.4	34.5	39.7	31.0	0.5	1.3	174	174	95	86	NE	1	NW	1	0	10	—	—	—	Dull to 9a., then fine.			
21	20	17	41.5	42.3	43.4	39.0	0.7	0.8	248	253	94	94	SW	2	SW	1	10	10	05	—	—	Dull. Fine to 2.30p., then			
22	23	30.13	39.3	40.0	43.6	37.7	0.3	0.3	234	241	98	98	NE	1	E	1	10	10	04	—	—	Dull, with ∞. [cloud			
23	30.05	29.99	36.8	33.2	41.8	32.2	0.3	1.0	212	169	98	89	S	1	SW	1	5	10	—	—	—	Dull. ● showers 6a.—4.30p.			
24	29.97	29.98	32.0	33.4	36.5	30.6	0.5	1.0	170	171	93	89	NE	1	SE	1	10	10	—	—	—	Dull, with ∞.			
25	30.07	30.17	31.5	34.8	36.2	27.6	1.0	0.9	154	184	86	92	SW	1	SW	1	5	10	—	—	—	Cloud and sunshine.			
26	23	26	37.0	36.8	40.6	34.4	0.4	1.4	212	192	96	89	S	1	SW	1	10	10	—	—	—	Fine to 4.30p., then dull.			
27	25	30.16	31.6	29.8	41.2	28.5	0.1	0.5	176	152	99	92	NW	1	NE	1	5	0	—	—	—	Dull.			
28	30.05	29.82	33.2	39.7	40.5	25.0	1.4	1.0	161	224	84	92	S	1	SW	1	10	10	08	—	—	—	Fine.		
29	29.81	73	36.5	36.2	41.2	33.4	1.5	1.2	187	191	87	89	W	2	NW	3	7	10	—	—	—	Dull. ● 3.30p.—5.30p.			
30	96	31.0	33.0	37.4	28.5	1.2	1.0	143	167	82	89	NW	1	NW	1	5	10	—	—	—	—	—	Fine to 4p., then dull.		
31	29.82	29.67	32.8	35.0	37.8	28.8	1.3	1.5	160	174	85	85	W	1	NW	1	10	10	—	—	—	—	—	Fine 9a.—noon, then cloudy.	
																									Dull and cloudy.
M.	29.764	29.740	37.1	37.7	41.9	33.3	0.9	1.0	205	208	92	91	2.1	1.6	7.6	8.5	1.47								

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JANUARY 1909.

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° Faht. at Station Level and Latitude.		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.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	° 41	° 45	° 48	° 35	° 0	° 2	in.	in.	% 100	% 85	SW †	2	SW †	3	8	9	ins.	hrs.	° 23	Fine, but cloudy.	
2	30.05	30.05	41	45	48	35	0	2	257	253	100	85	SW	2	SW	3	8	9	° 01	—	23	Fine, but cloudy.	
3	09	09	47	46	49	44	1	1	298	287	93	93	NW	5	W	3	5	6	—	—	30	Fine.	
4	11	12	47	48	49	44	2	1	275	309	86	93	W	4	SW	3	5	8	—	3.5	31	Fine.	
5	19	23	43	44	49	40	1	2	255	244	92	84	W	6	W	4	8	10	—	6.0	28	Fine.	
6	30.18	30.06	42	39	49	38	2	2	225	199	85	84	SW	4	SW	2	10	10	° 04	—	26	Fine, but cloudy.	
7	29.96	29.78	40	37	46	33	0	2	247	182	100	83	NW	3	W	5	8	8	° 02	0.3	23	Fine, but cloudy.	
8	04	33	38	35	40	33	1	2	208	164	91	80	NW	5	NW	5	1	1	° 21	0.2	20	Fine, but cloudy.	
9	34	77	33	35	38	29	1	2	167	164	89	80	NW	6	NW	4	2	4	° 04	4.4	18	* showers. T 5p.	
10	76	54	33	43	44	30	1	1	167	255	89	92	NW	5	W	5	8	9	° 03	—	19	Fine, but cold.	
11	41	29.13	49	40	49	30	2	2	298	207	86	84	W	3	W	3	8	4	—	—	23	Fine, but cloudy.	
12	00	28.83	43	40	46	32	3	3	215	189	78	76	W	8	W	6	6	2	° 05	4.2	24	Fine.	
13	00	29.26	32	31	46	30	0	1	182	148	100	85	W	6	W	4	3	2	—	6.4	19	Fine.	
14	01	28.50	34	35	40	29	1	1	176	184	89	90	SW	3	W	8	10	6.0	° 13	—	19	* showers.	
15	28.54	46	37	38	38	28	1	1	200	208	91	91	W	6	S	4	3	10.0	° 28	4.0	22	Fine and clear.	
16	59	28.73	37	34	39	30	0	4	220	122	100	62	W	6	SW	4	8*	3	° 40	4.8	21	*.	
17	28.33	29.22	36	32	37	28	1	1	193	157	91	87	NW	6	NW	5	3†	2	° 03	2.6	20	Fine and bright.	
18	29.37	23	37	48	48	30	1	2	200	285	91	86	SW	5	SW	5	9	7	° 01	—	19	Dull and cloudy.	
19	20	24	48	43	50	40	3	2	263	234	79	84	SW	5	W	4	7	9	—	1.3	24	Dull and cloudy.	
20	29.51	29.83	36	35	43	33	1	1	193	184	91	90	W	4	W	1	7	4	—	5.1	23	Dull and cloudy.	
21	30.02	30.10	34	37	43	32	1	2	176	182	89	83	NW	3	W	3	1	3	—	5.0	20	Fine and bright.	
22	30.07	30.05	36	40	43	33	1	2	193	207	91	84	W	2	W	3	4	10	° 03	1.5	21	Fine and bright.	
23	29.98	29.95	39	36	40	35	0	0	238	212	100	100	Calm	0	SE	2	10	10	° 02	—	22	Overcast.	
24	36	79	35	33	36	30	2	0	164	188	80	100	Calm	0	Calm	0	10	9	—	—	18	Overcast.	
25	75	29.87	35	31	36	30	2	1	164	148	80	85	SW	1	SW	4	10	10	—	—	23	Dull and cloudy.	
26	29.94	30.03	25	34	34	24	0	1	135	176	100	89	SW	1	SW	4	6.00	10	—	5.5	13	∞	
27	30.05	30.13	33	32	34	30	1	2	167	137	89	75	NW	2	SW	1	3	2	—	7.0	15	Fine.	
28	30.13	30.09	30	24	32	23	1	0	140	129	83	100	NW	1	S	2	2	2	—	5.8	15	Fine.	
29	29.93	29.74	24	39	39	19	1	3	094	181	73	77	W	4	SW	3	4	10	° 04	1.3	11	—	
30	64	54	35	38	40	33	0	1	204	208	100	91	W	4	W	5	2	9	—	4.3	15	Fine and clear.	
31	70	69	30	32	38	28	0	0	167	182	100	100	SW	5	NW	4	5	5	—	2.5	19	Fine and clear.	
31	29.58	29.50	33	34	34	28	1	2	167	156	89	79	NW	4	W	2	9	9	° 01	—	18	Fine, but cloudy.	
M.	29.626	29.609	36.8	37.4	41.8	31.6	1.0	1.5	202	196	90	86	3.8	3.6	6.2	6.5	1.32	76	20.7				

DOUGLAS, ISLE OF MAN, a.—JANUARY 1909.

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	30.15	30.18	48.7	48.0	49.5	46.6	0.9	1.4	322	299	94	90	WSW	3	SW	4	9	9	—	—	40	Gloomy.
2	23	23	47.6	48.1	49.8	46.0	0.9	0.6	308	321	94	96	WNW	1	WSW	1	8	9	—	0.1	40	Gloomy.
3	24	29	48.3	48.0	50.2	46.0	1.7	2.0	296	285	88	86	W	3	W	3	8	9	—	—	38	Dry and gloomy.
4	33	32	46.8	45.2	48.5	44.9	1.8	1.7	277	262	87	88	WSW	2	SSW	1	9	10	—	—	41	Gloomy. Fine n.
5	24	30.12	44.2	43.8	48.0	42.5	4.4	1.3	200	257	69	90	S	4	WSW	3	10	10	069	—	39	Gloomy.
6	30.08	29.95	42.8	42.0	47.0	39.7	1.6	2.1	240	223	88	84	NW	3	WSW	6-7	7	6	0.10	5.0	37	Squally.
7	29.86	29.86	41.2	40.5	45.3	35.8	2.2	2.5	213	202	83	80	W	6-7	WNW	6-7	7	4	5.00	—	34	Squally, with showers p.
8	61	61	40.5	38.6	43.2	34.8	5.0	3.7	160	166	63	71	NNW	7-8	NNW	3	2	0	6.0	29	37	△ a.
9	89	68	41.2	45.3	45.7	35.0	1.2	0.1	233	182	91	60	WNW	6	W	5-6	3	7	0.19	0.3	29	△ a. showers p.
10	58	26	43.0	48.5	49.0	42.5	1.6	0.5	242	328	87	96	SW	2	WSW	3	7	9	1.68	—	36	Gloomy and mild. 3p.-7p.
11	19	06	44.8	41.2	49.0	37.6	1.8	3.2	255	196	86	76	WSW	5-6	W	8-9	8	2	—	—	38	△ showers. n.
12	26	29.43	46.8	37.0	42.8	34.9	3.2	2.0	161	182	74	83	W	8-9	W	2	2	4	1.46	5.7	30	△ showers till 3p.
13	10	28.75	40.5	35.2	45.1	34.8	0.5	0.2	241	202	96	98	SW	3	W	9-10	9	10	0.80	—	28	△ showers.
14	28.87	50	41.2	46.8	47.6	30.3	3.4	0.6	193	306	75	95	W	8-9	SSW	9-10	9	10	1.70	—	30	△ p.
15	83	28.78	36.2	37.6	47.5	34.0	2.4	0.4	170	181	79	80	WSW	7-8	WSW	4	4	10	1.10	4.7	27	△ a. Squally. < Δ p.
16	28.99	29.49	36.0	37.0	41.7	33.0	2.2	1.8	172	186	80	85	WSW	6-7	W	4	9	10	0.17	2.6	29	△ a. * 10a.
17	29.46	34	46.8	48.5	49.0	37.0	1.3	1.1	289	313	91	92	SSW	5	SW	7	9	10	—	—	29	Squally, with showers.
18	23	40	48.9	41.8	49.4	39.9	1.3	1.6	315	231	91	88	SSW	7-8	WSW	3	9	10	1.55	—	41	Squally a. 1p.-7p.
19	29.68	29.93	37.5	39.0	42.2	35.0	2.1	1.0	184	218	82	92	WSW	4	W	2	2	0	—	6.7	29	Fine. Red sunset.
20	30.16	30.20	39.0	38.9	42.0	35.9	1.0	0.9	218	219	92	93	NW	1	NW	1	0	9	—	6.7	29	Fine.
21	17	12	41.8	41.4	44.7	37.3	0.8	1.2	247	235	94	91	W	1	Calm	0	9	10	0.10	—	29	Mild and damp.
22	30.07	30.00	40.0	38.0	41.9	36.0	0.2	2.0	243	190	98	83	Calm	0	SE	1	10	3	0.10	—	33	Gloomy.
23	29.93	29.84	35.3	35.4	38.4	33.8	2.1	1.6	160	177	80	86	E	2	ESE	1	9	10	—	—	26	△ a. Gloomy.
24	82	29.87	34.3	37.0	37.4	33.8	2.5	2.3	150	177	76	81	E	3	ESE	3	8	10	—	—	30	△ a. Gloomy.
25	29.96	30.08	37.9	41.0	42.7	33.8	1.6	1.5	197	225	87	88	SSE	3	S	3	10	10	—	0.5	31	Fine.
26	30.13	15	42.0	41.6	44.8	39.4	1.4	1.5	237	231	89	89	S	3	SE	3	9	10	—	3.1	33	≡ a., then fine.
27	30.15	30.03	36.0	40.7	42.8	34.4	0.5	2.7	203	200	96	79	ESE	3	S	3	10	10	0.80	—	32	Gloomy a. 2p.
28	29.96	29.80	41.2	43.6	45.7	39.2	0.7	0.5	244	272	95	96	SE	3	W	3	10	10	0.46	3.6	27	Fine a. Gloomy afternoon.
29	83	77	36.7	41.2	44.0	35.2	0.6	1.2	206	233	95	91	WNW	1	W	5	0	3	0.10	4.4	29	Fine. Δ 9.20p.
30	91	88	35.3	36.9	42.7	35.0	0.3	0.6	146	200	70	92	N	2	NW	2	3	10	0.06	0.3	30	△ showers a. and n.
31	29.77	29.65	38.2	42.5	43.3	35.5	0.6	0.5	218	261	95	96	W	1	W	4	10	9	0.66	—	—	—
M.	29.763	29.731	41.0	41.6	45.2	37.4	1.8	1.7	224	231	86	87	3.8	3.7	7.1	6.9	1.766	50	32.3			

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—JANUARY 1909.

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° Faht. at Station Level and Latitude.		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	ins.	ins.	44.1	42.7	46.0	39.4	0.1	0.4	287	266	99	96	—	2	SW	5	100 ⁰	8	ins.	hrs.	°	≡ ⁰	
2	30.13	30.14	44.1	42.7	46.0	39.4	0.1	0.4	287	266	99	96	—	2	SW	5	100 ⁰	8	008	—	37	≡ ⁰	
3	18	18	44.5	45.2	47.5	42.2	0.3	0.8	277	297	94	99	—	2	—	2	10	10	050	—	39	Overcast and mild.	
4	18	23	45.0	46.8	47.5	44.7	0.7	0.2	292	301	98	94	WSW	5	WSW	5	10	100 ⁰	105	—	43	Misty a. and n. ● p.	
5	28	27	44.0	44.0	46.9	43.1	1.0	1.9	265	246	92	85	—	2	—	1	10	8	—	—	40	Very misty.	
6	30.20	30.08	41.3	39.0	44.0	37.8	3.0	2.0	200	199	77	84	SSW	9	—	3	10	7	035	—	35	Fine.	
7	29.99	29.91	38.7	40.6	41.9	35.4	0.7	2.6	221	201	94	80	—	0	WSW	10	100	8	025	0.2	31	Misty a.	
8	77	74	40.2	39.3	43.1	37.5	1.8	2.2	213	198	86	83	WSW	15	W	15	10	3	077	0.1	35	▲ 2p. 17.430 p.	
9	47	45	40.2	39.3	43.1	37.5	1.8	2.2	213	198	86	83	WSW	4	NW	12	6	1	025	4.1	29	Fine and bright.	
10	82	63	34.5	41.8	41.9	29.5	1.9	0.3	162	258	81	98	—	3	WSW	7	10	10	470	—	24	□ 6a. ≡ ² p.	
11	48	49	42.0	45.0	46.0	41.0	1.0	0.0	245	299	92	100	W	5	SW	7	10	100	147	0.6	38	● early a., then ≡. ● n.	
12	14	28	42.2	42.6	47.0	38.5	0.9	2.6	250	219	92	81	SW	10	W	19	10	168	108	—	34	● showers.	
13	15	26	36.8	33.5	43.0	32.8	3.6	1.8	154	155	71	81	W	18	—	2	3	0	015	4.2	25	▲ 2p. and 4p.	
14	29.11	28.67	34.5	40.0	43.0	30.6	1.5	3.6	170	179	84	72	SW	7	W	19	10	10	150	—	25	● showers.	
15	28.79	28.79	35.3	40.6	44.0	37.1	3.2	0.8	191	270	75	94	W	23	SSW	16	6	100	580	—	35	● 4p.—mist.	
16	77	28	37.8	35.4	45.8	34.8	3.2	1.4	169	180	74	87	WSW	15	S	14	6	10	200	2.7	32	▲ showers	
17	28.92	29.42	35.0	37.4	39.5	32.5	2.7	2.0	153	185	75	83	WSW	12	W	15	10	0	107	0.3	29	▲ ▲ a. T < p.	
18	29.52	30.39	39.5	48.3	48.7	35.4	2.0	2.7	204	274	84	81	SSW	12	SW	21	10	10	020	—	31	Cold and dark. ● 7p.	
19	30	32	47.0	41.0	49.6	41.4	2.1	1.4	273	233	85	90	SW	18	W	6	10	10	140	1.2	39	● showers.	
20	29.62	29.83	37.3	39.0	49.5	36.1	1.4	1.8	195	203	88	86	W	4	W	10	4	1	—	4.3	32	Fine all day.	
21	30.07	30.14	34.4	36.4	43.9	32.2	0.5	1.4	189	189	95	88	—	2	—	2	0	0	—	4.9	25	— a. Fine and bright.	
22	29.99	30.06	29.7	33.0	38.0	28.1	1.0	1.0	138	167	84	89	—	3	—	2	3	10	020	—	23	— a. Sunny through mist.	
23	84	75	34.9	32.0	35.0	30.9	0.7	1.3	177	154	92	84	—	0	—	3	100 ⁰	10	—	1.6	25	Dull and gloomy.	
24	74	29	34.9	31.7	31.9	34.5	29.0	1.7	2.6	140	124	78	69	—	2	SSE	6	9	10	—	22	Very dull and misty.	
25	39.03	30.06	28.3	30.0	35.5	26.1	2.0	1.7	101	123	65	74	—	2	—	2	7	0	—	2.9	17	□ 2p.	
26	30.10	12	24.0	28.3	35.8	21.7	1.0	1.1	094	123	73	80	NE	4	—	3	0	0	—	0.3	17	Fine and frosty.	
27	30.12	30.04	23.5	23.4	35.6	21.5	1.0	0.8	092	098	74	79	NE	4	NNE	5	0	0	—	2.2	17	— a. Sunny through mist.	
28	29.95	29.81	26.0	33.0	35.0	19.0	2.4	2.0	072	147	52	78	—	3	—	3	7	8	—	—	14	— a. Misty all day.	
29	73	76	37.0	39.4	41.3	31.7	0.5	1.4	210	214	96	89	WSW	4	SW	10	10	10	125	—	27	— a. Cloudy and misty.	
30	75	76	32.0	33.6	39.0	30.3	4.6	1.6	093	160	51	83	N	10	W	4	1	0	—	5.8	26	Dull a. Fine afternoon.	
31	29.67	29.53	33.0	38.0	39.0	31.3	1.0	1.0	167	208	89	91	—	3	NW	6	9	8	135	—	27	Sunny and frosty. □ 7p.	
M.	29.704	29.672	36.4	37.9	42.2	33.4	1.6	1.6	185	199	83	85	7	—	—	8	7.5	6.1	2.677	38	28.9	—	—

SHREWSBURY, SHROPSHIRE.—JANUARY 1909.

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 Station Level and Latitude.		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.	41°	44°	48°	37°	0.2	1.0	in.	in.	%	%	†	†			ins.	hrs.			
2	30.34	30.36	41°	44°	48°	37°	0.2	1.0	253	265	98	92	S	1	SSW	3	9	0.1	—	31	Misty a. Cloudy day.
3	30.38	30.36	44°	46°	51°	42°	0.4	0.5	281	302	97	97	S	2	SSW	1	10	10	—	40	Cloudy day. • 7p.—8p.
4	30.38	30.38	43°	34°	52°	33°	0.6	0.0	271	196	96	100	SSW	1	SW	1	7	0	—	30	Bright from noon.
5	30.45	30.44	44°	43°	47°	32°	2.2	2.6	244	230	84	80	SW	2	SW	1	10	10	—	30	Overcast day.
6	30.37	30.26	40°	39°	46°	37°	2.7	2.5	198	190	79	81	S	2	SW	1	10	10	—	37	Cloudy till 11a., then bright.
7	30.06	29.69	40°	43°	45°	37°	2.8	1.6	193	250	78	88	NW	3	NNW	6	5	100	42	32	Dull day.
8	29.67	29.89	36°	38°	49°	35°	0.8	3.3	197	168	93	73	NNW	5	NNW	6	5	0	—	33	• 2 a. Cloudy day.
9	30.02	29.87	34°	42°	47°	30°	2.3	1.2	158	243	78	90	WNW	3	WNW	3	10	10	—	28	Cloudy day.
10	29.69	29.43	34°	48°	50°	41°	1.0	1.0	298	309	93	93	W	1	W	1	10	10	—	40	Fine a., then dull. • p.
11	30.40	30.29	43°	45°	49°	41°	2.3	3.2	228	229	82	77	SW	2	W	5	9	0	—	38	Dull day.
12	30.42	29.58	40°	35°	46°	33°	4.3	2.0	167	164	67	80	WNW	6	WNW	2	7	0	—	30	Sunny intervals.
13	30.33	29.98	35°	42°	47°	31°	0.8	4.2	195	190	93	70	SSW	2	WSW	5	10	100	—	28	• 2 from 3.30p.
14	30.11	29.84	41°	48°	48°	38°	4.5	2.0	177	285	68	86	W	5	W	5	8	100	—	36	Dull, with • showers.
15	30.04	29.08	37°	33°	49°	33°	3.2	0.3	168	188	74	97	WSW	3	SW	3	2	10*	—	31	Bright 10a.—2p. • p.
16	30.18	29.65	34°	37°	42°	32°	2.0	2.0	156	182	79	83	WSW	3	WNW	3	7	0	—	32	• showers. Cloudy p.
17	30.79	30.67	40°	49°	49°	33°	1.8	3.9	216	264	86	74	S	3-4	S	3-4	8	4	—	30	Overcast 10a.—4p.
18	30.58	29.53	48°	45°	52°	44°	3.1	0.3	261	292	78	98	SSE	4-5	SSE	2	8	100	—	43	Overcast day. • 2 p.
19	29.81	30.03	37°	35°	46°	33°	1.8	1.0	188	184	85	90	WSW	2	S	2	5	0	—	29	Brilliant day.
20	30.23	30.30	33°	34°	43°	30°	0.2	0.0	186	196	98	100	W	1	WNW	1	7	0	—	27	Bright day. • 4p.
21	30.30	30.23	28°	42°	27°	27°	0.0	0.0	155	153	100	100	NNE	1	S	1	10	10	—	26	• early a. • 2 till 4.30p.
22	30.16	30.09	26°	29°	36°	21°	0.0	0.0	143	160	100	100	N	1	N	1	10	10	—	23	• 2 from 9.30a.
23	30.00	29.90	32°	32°	37°	28°	0.5	0.6	173	173	94	94	N	1	Calm	0	10	10	—	31	Misty all day.
24	29.90	29.99	31°	27°	33°	27°	0.3	0.0	166	150	95	100	S	1	Calm	0	9	0	—	27	• Dull day.
25	30.11	30.20	23°	28°	40°	20°	0.2	0.0	115	153	94	100	SE	1	Calm	0	0	0	—	18	• Bright day.
26	30.27	30.28	20°	26°	42°	18°	0.0	0.0	108	142	100	100	SE	1	SE	1	0	0	—	17	Misty a. Bright day.
27	30.29	30.23	26°	24°	36°	19°	0.0	0.0	142	131	100	100	SE	1	SE	1	0	10	—	18	Misty a. Cloudy day.
28	30.15	30.01	22°	33°	33°	15°	0.0	1.0	123	167	100	89	S	1	ESE	2	8	7	—	16	• a. • Bright a. Cloudy p.
29	29.94	29.90	34°	37°	47°	32°	0.1	2.0	200	182	99	83	SW	1	N	1	9	10	—	30	• 2 till 9a. • n.
30	30.93	30.95	36°	34°	43°	33°	3.0	2.0	158	156	74	79	NNW	3	N	1	2	10	—	29	Bright day.
31	29.86	29.75	36°	39°	42°	33°	1.0	1.0	193	218	91	92	NW	3	Calm	0	7	10	—	31	Dull day.
M.	29.914	29.882	36°	37°	45°	32°	1.4	1.3	191	203	89	89	2.2	2.1	7.1	6.1	1.27	—	29.7		

CAMBRIDGE, a.—JANUARY 1909.

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 ⁵⁵	30 ⁵⁹	40 ⁰	41 ⁰	48 ⁰	37 ¹	0 ⁰	0 ²	247	253	100	98	Calm	0	Calm	0	10 ⁼⁼	10	—	0 ¹	31	≡ ² early a. till noon.
2	60	56	44 ⁸	46 ⁴	47 ³	37 ¹	0 ⁰	0 ⁷	276	299	93	95	SW	2	SW	2	10	10	0 ¹	0 ¹	36	• ⁰ a. Overcast day.
3	58	61	40 ⁴	43 ⁰	47 ⁹	37 ⁶	0 ¹	0 ⁰	249	277	99	100	Calm	0	Calm	0	9 ⁼⁼	10	0 ¹	0 ²	33	• ⁰ 1.30p. — 2.30p. Overcast.
4	66	66	41 ⁷	43 ⁸	47 ³	37 ⁶	0 ¹	1 ⁸	262	246	99	86	S	1	Calm	0	10 ⁼⁼	10	—	—	39	Overcast day.
5	60	51	41 ⁰	35 ⁰	45 ⁴	34 ⁹	1 ¹	1 ²	233	180	91	88	SE	1	S	1	10 ⁼⁼	10	0 ⁴	4 ¹	38	Sunny 10.30a.—2.30p.
6	40	30 ³⁴	37 ²	37 ⁴	42 ⁸	34 ³	0 ²	0 ³	218	217	98	97	SW	1	Calm	0	10 ⁼⁼	0	—	—	32	Overcast day.
7	30 ²⁴	29 ⁸⁴	37 ⁷	39 ⁹	45 ⁵	33 ⁹	0 ⁸	1 ⁹	211	208	93	85	SW	2	NW	3-4	7	10 ⁼⁼	1 ⁵	2 ⁸	28	Sunny 10a.—0.30p.
8	29 ⁷⁸	29 ⁸⁸	35 ⁰	36 ¹	41 ¹	32 ⁸	1 ³	1 ⁴	178	187	87	87	NW	2	N	5-6	0	7W	0 ¹	5 ⁵	27	Sunny 9a.—2p. • ⁰ 7p.
9	30 ¹⁶	30 ⁰⁷	35 ¹	37 ⁴	40 ⁶	34 ¹	2 ²	1 ⁰	161	204	79	92	NW	3	SW	1	8	10	1 ⁶	1 ⁵	29	Overcast till noon. • ² p.
10	29 ⁸⁹	29 ⁶⁷	41 ³	46 ⁰	50 ⁰	35 ²	0 ³	0 ⁵	253	299	98	97	SW	1	SW	2	10 ⁼⁼	10 ⁼⁼	1 ³	1 ⁰	29	• ² n. and till 8.30 a.
11	57	47	43 ⁵	42 ¹	50 ⁰	40 ⁹	0 ¹	1 ⁵	280	236	99	88	SW	1	SW	3-4	7	1	—	2 ⁷	34	• n. Fine day.
12	59	78	39 ⁹	35 ⁰	44 ⁹	34 ⁰	3 ⁰	2 ⁰	189	164	76	80	WSW	5-6	SW	3	0	0	—	6 ⁴	32	Sunny 8.45a.—3p.
13	54	13	34 ⁴	45 ⁰	44 ⁹	30 ⁹	1 ¹	3 ⁶	177	222	88	74	S	1	SW	6-7	10	2	0 ⁵	—	27	Overcast day. • 7p.
14	29	10	39 ⁴	45	4	37 ⁸	3 ¹	1 ⁴	182	269	76	90	WSW	5	SW	5	6	10	0 ⁸	3 ⁵	31	W 7a. Sunny 9a.—1p.
15	23	36	38 ¹	35 ⁵	50 ⁰	35 ¹	2 ⁹	1 ¹	175	187	76	90	SW	4	SW	1	0	0	0 ¹	6 ⁹	32	• n. Sunny 8.30a.—3.30p.
16	29 ³⁹	29 ⁸⁵	35 ⁹	37 ⁰	41 ²	34 ⁹	2 ⁰	2 ⁶	176	172	84	78	SW	4	SW	5-6	8	0	—	5 ³	30	Sunny 9.45a.—3p.
17	30 ⁰⁹	30 ⁰⁰	34 ⁴	47 ⁴	48 ⁵	31 ⁹	0 ⁷	2 ¹⁴	185	270	83	83	SW	3	SW	5	7	0	—	2 ⁷	26	Sunny till 11a. Overcast.
18	29 ⁹²	29 ⁸⁵	40 ⁹	45 ⁰	50 ⁰	44 ⁹	2 ⁷	2 ¹	258	251	81	84	SW	5	SW	3	10	0	0 ²	2 ³	29	Sunny till 11.30a. Overcast.
19	29 ⁹⁷	30 ²²	41 ⁰	29 ⁰	45 ⁶	29 ⁰	0 ¹	0 ¹	255	157	99	98	W	2	Calm	0	10 ⁼⁼	0	—	0 ⁹	36	Cloudy day.
20	30 ³⁷	48	33 ³	33 ⁹	40 ⁴	27 ⁵	1 ⁴	0 ⁴	164	187	85	96	WNW	2	N	2	0 ⁼⁼	0	—	5 ³	24	Sunny 9.30a.—3p.
21	49	41	31 ⁰	30 ⁰	38 ¹	30 ⁰	0 ¹	0 ⁹	179	195	99	92	Calm	0	N	2-3	10 ⁼⁼	10	—	—	26	Misty all day.
22	33	26	33 ⁰	34 ⁰	37 ¹	32 ⁰	1 ⁰	1 ⁵	167	166	80	84	NW	2	N	3	10 ⁼⁼ 10 ⁼⁼	0	0 ¹	—	30	Overcast day.
23	15	06	33 ⁰	31 ⁵	34 ⁶	31 ⁰	2 ³	1 ²	148	150	76	84	NNE	3	N	2	10	0	—	—	31	Overcast day.
24	13	22	29 ⁶	31 ⁰	35 ⁰	29 ⁰	1 ⁶	0 ⁰	122	174	74	100	SE	2	N	1	6	10	—	4 ³	27	Sunny 9a.—2.30p.
25	33	42	23 ⁰	29 ²	39 ⁰	21 ⁵	0 ⁰	0 ⁰	123	161	100	100	Calm	0	Calm	0	0 ⁼⁼	0	—	2 ⁸	23	≡ ² a. Sunny noon—3p.
26	47	49	23 ⁰	33 ⁰	38 ⁵	20 ⁹	0 ⁰	0 ⁸	123	171	100	91	SE	1	N	2	0 ⁼⁼	9	—	3 ²	22	Sunny 11.30a.—3p.
27	50	45	23 ⁰	25 ⁰	33 ⁹	22 ⁰	0 ⁰	0 ⁰	123	135	100	100	Calm	0	Calm	0	10 ⁼⁼	10 ⁼⁼	—	—	22	≡ ⁵ all day.
28	40	27	23 ⁰	26 ⁰	28 ⁰	20 ⁰	0 ⁰	0 ⁴	123	127	100	90	Calm	0	Calm	0	10 ⁼⁼	0	—	—	25	Overcast day. • ⁰ 2p.
29	16	06	31 ⁰	32 ⁸	39 ⁰	21 ⁰	0 ⁶	0 ⁰	158	187	90	100	SE	2	Calm	0	10	8W	0 ³	0 ¹	16	Overcast day. • ⁰ 2p.
30	00	30 ⁰⁸	34 ⁵	30 ⁰	38 ⁰	29 ⁵	3 ⁵	0 ⁰	136	167	68	100	WNW	5	NW	2	9 ⁼⁼	9W	0 ²	6 ²	24	Sunny 9a.—3p.
31	30 ⁰⁰	29 ⁹⁰	31 ⁵	34 ⁵	37 ⁶	27 ⁰	0 ⁹	0 ⁵	156	190	88	95	W	3	SW	2	10	10	0 ⁴	—	20	Overcast day.
M.	30 ¹⁰⁸	30 ⁰⁸⁵	35 ⁴	36 ⁹	42 ⁶	32 ⁰	1 ¹	1 ⁰	190	203	90	91	2 ⁰	2 ¹	7 ³	5 ⁷	0 ⁷⁵	67	28 ⁷			

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—JANUARY 1909.

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 Station Level and Latitude.		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.	hrs.	°				
1	ins.	ins.						in.	in.	%	%	†	†				ins.	hrs.	°	Dull, muggy day.		
2	30.41	30.43	47.5	46.1	49.7	38.6	0.1	0.4	327	302	99	97	S	1	S	1	10	10	01	—	33	Dull, muggy day.
3	45	42	47.5	46.0	48.7	44.6	0.8	0.3	308	304	94	98	S	1	SW	1	10	10	01	—	42	Dull, muggy day.
4	43	45	44.3	44.9	48.4	41.9	0.3	0.2	284	294	97	98	SW	1	SW	1	10	10	02	—	39	Dull, muggy day.
5	50	49	43.7	44.9	48.1	40.9	1.2	3.0	258	232	90	78	SW	1	SSW	1	10	9	—	—	40	Dull, muggy day.
6	40	31	39.0	35.5	44.9	34.5	1.6	0.9	206	189	86	91	SW	2	Calm	0	7	0	—	0.9	27	Dull a. Pleasant p.
7	22	30.22	41.0	40.5	46.2	33.4	0.5	0.5	246	241	96	96	SW	1	W	2	3	2	—	1.6	27	Bright day.
8	30.13	29.76	41.5	47.3	47.4	38.0	2.8	4.0	205	236	78	73	SW	1	NW	4	0	10	02	2.5	32	Bright day.
9	29.69	81	38.7	36.7	47.9	36.0	1.8	1.1	199	196	85	90	NW	1	NW	1	10	10	—	3.5	33	Very bright day.
10	30.06	93	28.7	40.9	41.0	28.4	1.1	1.2	127	230	80	90	NW	1	W	1	3	9	01	0.1	20	Dull. • at intervals.
11	29.73	48	46.7	48.9	50.4	40.1	1.0	1.3	295	313	92	90	W	1	W	2	10	09	0.4	36	36	Pleasant day.
12	46	37	44.4	43.3	49.1	42.6	0.7	1.6	276	245	94	87	SW	1	W	2	10	0	—	1.4	35	Dull.
13	51	60	40.5	37.2	43.3	36.4	2.8	2.6	196	174	78	78	NW	2	W	2	10	0	02	0.6	30	Dull but pleasant.
14	34	29.06	38.0	43.5	47.6	37.2	0.3	3.8	223	205	97	73	SW	2	W	1	10	0	08	—	36	• 7a.—9a.
15	22	28.98	43.5	49.1	49.1	38.3	4.8	2.4	188	289	66	83	W	2	SW	4	2	10	11	1.4	35	Very bright a. Windy evening
16	13	29.15	39.3	37.9	49.4	36.5	3.4	3.3	176	168	74	73	SW	2	SW	5	0	10	15	6.4	30	Very bright day.
17	31	81	37.1	36.9	40.7	34.4	4.0	2.3	149	176	68	80	SW	3	SW	3	0	0	—	5.2	30	Very bright day.
18	90	81	41.7	47.7	49.4	34.8	2.2	2.7	218	267	83	80	SW	2	SW	2	8	4	—	0.4	27	Bright a. Dull p.
19	68	29.59	47.7	49.2	49.4	47.7	2.2	2.4	278	290	84	83	SW	3	SW	3	10	10.0	08	—	45	Dull.
20	29.86	30.13	40.1	34.3	50.2	32.2	1.9	1.7	209	165	85	83	SW	2	SW	4	7	0	—	4.0	23	Dull a. Fine p.
21	30.25	34	36.1	29.7	39.4	29.2	1.5	0.1	183	162	86	98	SW	1	SE	1	10	0	—	3.8	21	Dull a. Fine p.
22	33	28	36.7	35.3	37.8	26.8	1.1	0.9	127	188	80	92	Calm	0	NE	2	10	3	—	0.7	21	≡. Pleasant day.
23	30.17	30.08	30.7	33.2	35.3	29.4	1.1	1.6	144	156	83	82	NE	2	NE	2	10	10	—	—	27	Dull day.
24	29.99	29.90	32.9	32.3	34.5	30.4	2.0	2.1	146	138	78	75	NE	3	NE	2	10	10	—	—	31	Dull day.
25	29.93	30.04	31.5	31.7	34.3	30.6	1.6	1.1	140	152	79	85	NE	2	NE	2	10	10	—	2.2	29	Dull a. Fine p.
26	30.14	27	34.1	32.1	39.9	31.2	0.7	1.5	182	148	92	81	E	2	NE	2	7	7	—	0.7	27	Dull day.
27	31	31	33.7	29.7	40.3	29.4	2.1	1.1	152	136	78	81	NE	1	NE	1	0	0	—	6.5	23	Very pleasant day.
28	30.19	30.11	23.5	32.3	33.5	21.3	1.9	1.7	068	146	54	80	NE	2	NE	1	10	0	—	3.0	20	≡. Pleasant day.
29	29.96	29.96	40.7	33.7	41.3	32.3	1.0	2.1	232	151	92	78	SW	1	NW	1	10	10	04	—	20	≡. Dull day.
30	92	98	36.7	31.7	37.1	31.0	3.1	2.1	160	132	74	74	NW	2	NW	1	5	9	—	6.0	27	Bright day.
31	29.88	29.77	35.7	39.0	41.5	31.7	1.9	1.3	173	212	83	88	W	1	W	1	8	7	01	0.6	30	Bright a. • 4p.
M.	29.962	29.938	38.1	38.6	43.5	34.4	1.7	1.7	199	204	83	84		1.5		1.8	7.4	6.1	0.65	52	29.7	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

SOUTHAMPTON, HAMPSHIRE, a.—JANUARY 1909.

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 Station Level and Latitude.		Air Temperature.				Humidity.						Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.		Rain 24 hours begin- ing 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.	%	%	SW	†			ins	hrs.	°		
2	30.57	30.61	39.1	43.0	48.3	36.7	0.1	0.1	237	275	99	99	SW	1	SW	1	10=2	0.40	0.6	33	≡°
3	30.58	30.60	45.3	47.0	51.3	42.6	0.1	0.6	299	308	99	96	SW	1	SW	1	10=2	0.40	0.4	41	Dull day.
4	30.58	30.60	44.7	46.0	48.1	44.2	0.2	0.6	290	297	97	96	SW	1	SW	1	10=2	0.40	0.4	41	● 3a.-6a. Dull day.
5	30.58	30.60	44.5	43.4	46.6	43.2	0.4	2.1	283	236	97	83	NE	1	SE	1	10=2	0.40	0.4	42	Dull day.
6	30.58	30.60	43.2	38.9	44.0	37.0	1.1	1.6	218	206	91	88	SE	4	WNW	4	10=2	0.40	0.4	42	Dull day.
7	30.58	30.60	44.1	43.1	50.6	38.2	0.4	0.4	280	269	97	97	SW	4	NW	3	10=2	0.40	0.4	30	Dull day.
8	30.58	30.60	43.1	44.7	47.9	35.1	1.0	2.4	256	242	92	82	NW	3	SW	4	10=2	0.40	0.4	35	Dull. ● showers 5p.
9	30.58	30.60	39.5	40.0	48.1	39.0	1.6	4.5	211	164	87	66	NW	3	NE	6	10=2	0.40	0.4	32	Dull a. Fine day.
10	30.58	30.60	35.9	39.0	43.1	31.6	2.2	1.1	172	216	82	91	NNW	3	NW	2	10=2	0.40	0.4	35	Fine day.
11	30.58	30.60	44.2	49.1	51.6	35.4	0.7	0.8	329	329	95	94	SW	2	SW	3	10=2	0.40	0.4	25	● showers p.
12	30.58	30.60	47.0	44.6	51.1	44.0	0.6	1.6	308	258	96	88	SW	1	SW	4	10=2	0.40	0.4	30	● 7p.-midnight.
13	30.58	30.60	43.0	36.0	47.1	35.9	2.9	1.1	217	191	79	90	WSW	2	NW	2	10=2	0.40	0.4	39	Fine day. ☁ p.
14	30.58	30.60	42.0	45.9	48.3	35.4	0.7	2.1	252	203	94	86	SE	2	NW	2	10=2	0.40	0.4	29	Fine day.
15	30.58	30.60	42.1	49.0	49.2	41.0	3.0	1.0	216	322	78	93	WSW	3	SW	5	10=2	0.40	0.4	29	● showers 3p.-midnight.
16	30.58	30.60	42.1	51.0	38.2	2.1	2.0	201	226	83	85	SW	2	SW	5	10=2	0.40	0.4	37	● showers till 5.30a. ☼° n.	
17	30.58	30.60	35.5	37.5	43.7	34.7	1.5	2.1	179	184	86	82	WSW	4	SW	4	10=2	0.40	0.4	32	● showers 5.30p.-midnight.
18	30.58	30.60	42.2	49.0	52.1	33.8	1.2	2.1	243	296	90	85	SW	2	SW	5	10=2	0.40	0.4	32	Fine day. ● showers 1p.
19	30.58	30.60	48.0	48.9	50.2	47.7	3.0	2.9	263	277	79	80	SW	6	SW	5	10=2	0.40	0.4	26	Fine till 2p., then dull.
20	30.58	30.60	33.5	49.1	37.2	3.0	0.9	207	173	78	90	NW	3	NW	2	10=2	0.40	0.4	45	● 2a.-6a. Fine day.	
21	30.58	30.60	33.9	34.5	44.0	29.6	1.8	0.8	159	184	81	92	NW	3	NE	3	10=2	0.40	0.4	23	— a. and p. Fine day.
22	30.58	30.60	33.6	37.0	40.3	32.2	0.5	2.0	183	182	94	83	NE	3	NE	3	10=2	0.40	0.4	26	— a. Fine day.
23	30.58	30.60	33.6	38.1	33.6	1.9	1.5	179	162	84	84	NE	4	NE	3	10=2	0.40	0.4	33	Dull and overcast.	
24	30.58	30.60	32.5	32.1	34.6	31.6	2.4	3.0	135	119	73	66	NE	3	NE	3	10=2	0.40	0.4	31	Dull and overcast.
25	30.58	30.60	33.9	34.6	29.8	1.5	2.1	142	153	81	79	NE	3	NE	3	10=2	0.40	0.4	24	△ a. Dull day.	
26	30.58	30.60	31.2	30.2	35.3	29.6	0.2	0.1	171	166	97	98	NE	2	NE	2	10=2	0.40	0.4	21	Fine day.
27	30.58	30.60	28.5	39.7	28.1	0.4	0.6	145	142	93	89	NE	2	NE	3	10=2	0.40	0.4	22	Dull and overcast.	
28	30.58	30.60	33.9	39.8	22.1	0.5	0.9	124	177	88	90	NE	2	SE	2	10=2	0.40	0.4	23	— Bright day.	
29	30.58	30.60	40.7	40.1	23.3	0.4	0.5	159	243	94	96	SE	2	SW	2	10=2	0.40	0.4	18	— a. and p. Fine.	
30	30.58	30.60	31.2	41.1	30.9	3.4	2.0	174	129	74	73	NW	3	NW	3	10=2	0.40	0.4	20	— a.	
31	30.58	30.60	38.9	43.1	29.3	1.4	1.4	186	210	87	90	NW	3	NW	3	10=2	0.40	0.4	25	— a. Fine day. ☼p.	
M.	30.58	30.60	38.4	39.6	45.2	34.7	1.3	1.5	210	218	88	87									Cloudy day. ☼p.

PLYMOUTH, DEVONSHIRE, a.—JANUARY 1909.

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	30.49	30.53	49.5	49.5	51.4	47.8	1.8	0.6	309	338	88	95	S	12	S	12	8	8	05	—	Cloudy, with ● showers.		
2	30.48	30.55	49.8	48.9	51.4	48.3	0.4	0.8	348	325	97	95	S	5	SW	11	10	10=2	03	—	Dull day. ●		
3	30.54	30.52	47.2	47.8	50.7	46.8	0.2	0.8	320	312	99	94	—	1	—	1	10=2	10=2	03	—	Overcast, with ● showers.		
4	30.55	30.47	47.9	45.8	50.5	40.1	3.8	3.5	246	233	75	76	E	3	NE	10	10	10	—	—	Dull day.		
5	30.44	30.41	41.3	46.8	46.9	40.7	1.9	1.2	221	291	85	91	E	9	SE	15	10	10	11	1.5	Fine, but cloudy.		
6	30.36	30.48	41.0	45.0	51.0	38.8	0.2	2.8	253	237	98	79	W	4	NW	6	10	8	07	1.1	Dull, with ● a.		
7	30.32	30.08	44.7	48.5	48.5	42.1	0.9	2.5	275	280	93	82	NW	7	W	19	8	8	06	1.2	—		
8	29.86	29.98	46.7	41.5	49.5	38.8	1.7	3.5	279	193	88	74	NW	10	NW	19	8	0	04	4.1	● showers.		
9	30.21	30.08	34.1	42.1	44.5	33.5	0.4	0.3	180	262	96	97	—	1	—	0	8	9	04	0.8	—		
10	29.94	29.72	48.7	50.4	50.6	40.0	0.2	0.7	340	349	99	95	WSW	11	SW	18	10	10=2	23	—	Dull, with ●.		
11	30.66	30.62	47.7	48.5	52.2	42.1	1.0	2.2	307	287	93	84	W	4	WSW	15	8	0	03	3.2	Sunny intervals.		
12	30.71	30.75	45.0	42.7	48.9	42.1	2.0	1.7	253	237	85	86	W	10	WNW	5	10	10	30	2.6	Bright intervals.		
13	30.51	30.37	45.4	49.0	50.5	41.1	1.4	3.6	271	263	90	75	W	12	W	20	10=2	10=2	15	0.8	Dull, with ● showers.		
14	30.46	30.40	46.0	51.4	51.4	44.3	2.5	1.2	259	348	82	91	W	15	SSW	30	8	10	17	0.7	Dull, with ● showers.		
15	30.31	30.25	42.0	41.5	51.8	40.6	3.6	1.5	197	230	74	88	NW	8	WSW	17	4	4	20	5.9	Fine day.		
16	29.55	29.98	36.0	40.0	45.0	34.6	1.0	1.5	193	217	91	88	W	19	WSW	15	10=2	0	05	4.0	● showers. ☒		
17	30.06	30.06	49.4	50.6	52.0	43.4	2.6	1.6	290	327	83	89	SW	20	SSW	29	10	10	04	0.1	Dull, cold day.		
18	29.83	29.72	50.0	50.8	51.6	43.5	1.3	0.4	327	356	91	97	SW	30	S	22	8	10	07	—	Cold and squally.		
19	29.97	30.21	41.8	37.8	50.5	32.1	2.9	1.8	207	192	79	85	—	3	—	2	6	4	—	6.1	Fine sunny day.		
20	30.34	30.37	39.5	40.2	46.3	30.8	0.9	2.6	224	198	93	80	N	6	N	5	4	0	—	6.9	Fine sunny day.		
21	30.38	30.29	33.6	36.0	43.1	31.1	0.8	0.9	176	195	91	92	NE	5	NE	6	0	0	—	7.2	Fine sunny day.		
22	30.23	30.14	34.1	36.8	39.2	31.8	2.1	2.8	155	167	78	76	NE	8	NNE	9	2	0	—	1.3	22	Bright intervals.	
23	30.08	30.01	31.8	33.1	36.8	30.8	1.4	0.1	148	187	81	99	NE	5	NE	4	10	10	—	0.4	30	Dull and cold.	
24	30.05	30.05	27.8	32.9	37.0	26.2	0.0	0.0	152	187	100	100	E	2	NE	8	4	0	—	6.5	18	Fine and sunny.	
25	30.18	30.28	36.6	38.9	42.6	26.2	1.8	1.6	183	206	85	88	E	9	NNE	7	8	0	—	0.3	24	Dull day.	
26	30.35	30.38	36.3	36.5	46.4	35.8	1.8	1.0	196	197	85	92	E	8	N	0	0	0	—	7.3	22	Sunny day.	
27	30.34	30.29	35.0	35.9	41.5	29.1	1.1	0.8	182	196	89	93	N	9	NNE	8	10	0	—	5.4	19	Fine sunny day.	
28	30.25	30.17	36.8	44.9	48.0	33.1	1.4	3.1	192	231	87	92	SW	12	SE	10	0	10	—	4.3	26	Fine a. Dull p.	
29	30.10	30.10	47.5	44.5	52.0	43.1	1.8	1.0	285	271	87	92	SW	9	W	4	10	8	—	1.1	35	Dull day.	
30	30.06	30.13	41.7	38.0	45.1	37.4	1.7	2.9	228	175	87	76	N	5	—	2	2	7	—	5.4	28	Fine day.	
31	30.06	30.00	37.2	40.5	45.5	33.2	1.3	1.0	196	231	88	92	—	3	WNW	7	4	2	08	0.5	27	Dull, with ● showers.	
M.	30.087	30.069	41.8	43.1	47.5	37.4	1.5	1.6	239	249	88	88	—	0	—	11	7.1	5.7	1.02	70	—	—	—

* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—JANUARY 1909.

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 Station Level and Latitude.		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.	48.6	47.2	50.0	46.1	2.0	2.0	in.	in.	%	%	*	*			ins.	hrs.	°			
2	30.19	30.19	48.6	47.2	50.0	46.1	2.0	2.0	294	278	86	86	S	9	SW	11	10	8	—	45		
3	27	27	47.6	48.0	48.3	46.0	2.0	0.8	282	314	86	94	SW	9	SSW	8	9	10	018	—	45	Overcast, with ●.
4	29	34	48.8	48.6	51.5	45.3	0.2	2.1	341	292	86	86	SW	7	SSW	7	10	10	—	45	Overcast day.	
5	40	36	46.7	46.6	50.0	46.4	2.2	3.0	268	248	85	80	S	5	S	7	10	10	—	46	Overcast day.	
6	24	15	44.6	42.8	46.9	42.8	2.9	2.2	232	229	79	83	S	12	S	7	10	10	065	—	42	Overcast day.
7	30.23	30.04	34.8	41.0	44.0	34.8	0.2	2.0	198	215	98	84	—	2	SW	12	1	100	040	4.3	29	— a. Fine day.
8	29.96	29.79	40.6	38.4	45.2	37.8	1.8	1.0	216	212	86	92	SW	10	NW	7	10	10	180	—	36	● showers.
9	29.83	30.10	36.3	34.7	43.9	34.7	0.8	2.0	200	162	94	80	—	3	—	2	2	0	—	3.4	30	
10	30.03	29.76	39.7	44.2	44.7	34.0	0.1	0.6	242	277	99	96	SW	7	SW	10	10	10	083	—	27	Overcast day.
11	29.64	32.09	42.0	44.3	48.5	41.4	0.8	0.5	249	279	94	96	SW	4	WNW	6	10	3	197	—	38	Cloudy, with ●.
12	23	21	43.6	37.0	47.0	37.0	2.0	2.3	241	177	85	81	SW	15	WSW	10	4	10	230	0.2	35	● showers.
13	40	29.51	33.6	35.5	39.9	33.0	1.0	2.0	172	170	89	82	W	7	SW	4	6	10	020	4.7	30	* 0 a.
14	29.07	28.84	39.7	35.8	44.2	33.0	1.0	1.3	224	187	92	80	SSW	14	SW	10	10	10	232	0.1	32	● showers.
15	28.99	58	37.8	40.4	44.9	33.1	2.0	1.0	189	230	83	92	SW	12	W	15	10	10	260	0.4	32	Overcast, with ●.
16	28.92	28.82	31.6	33.4	40.5	31.0	1.0	0.4	155	183	86	96	SW	10	SSW	13	8	10	243	2.5	30	* showers.
17	29.04	29.60	31.8	34.2	39.7	29.3	0.1	0.7	178	184	99	93	SSW	15	SW	10	10	7	045	1.0	28	* showers.
18	38	27	43.8	47.5	49.4	31.2	1.7	1.2	248	299	97	91	SSW	23	S	23	10	100	320	—	30	Overcast, with ●.
19	17	29.48	43.5	34.7	50.0	34.7	0.3	1.3	275	176	98	87	W	6	SW	6	10	8	253	—	34	Overcast, with ●.
20	29.76	30.05	32.7	34.0	41.0	31.8	0.1	0.7	163	182	87	92	SW	9	SW	6	0	0	065	6.5	30	— a.
21	30.27	28	37.5	39.5	45.9	31.8	0.9	0.6	207	230	92	95	SSW	4	S	4	10	10	—	0.8	32	— a.
22	24	18	41.5	42.2	45.6	38.1	0.8	1.0	245	247	94	92	SSW	7	SW	5	9	10	030	1.4	35	Overcast day.
23	30.14	30.05	40.6	40.0	43.2	40.0	0.1	0.6	251	234	99	95	—	2	—	1	10	10	005	—	39	Overcast day.
24	29.96	29.88	39.6	38.1	41.0	35.7	1.0	1.4	223	202	92	88	SE	4	SE	6	10	10	—	—	32	Overcast day.
25	85	29.86	37.4	38.4	39.9	37.9	1.9	2.1	187	191	84	83	SE	4	SSE	10	10	10	—	—	36	Overcast day.
26	29.95	30.05	39.1	41.8	46.2	36.0	2.8	2.0	185	225	78	85	S	13	S	15	10	9	—	0.9	36	
27	30.12	30.15	43.4	44.6	46.3	41.8	1.9	2.5	241	239	85	81	S	12	S	13	8	9	—	0.2	40	
28	29.13	29.00	39.6	38.0	46.0	37.8	2.0	3.0	204	173	84	75	SSE	11	SSE	9	0	4	040	6.3	34	Fine day.
29	29.89	86	43.0	38.2	46.0	38.0	1.2	0.5	251	220	90	96	S	15	S	6	10	0	070	—	34	
30	29.94	29.94	34.5	38.7	43.3	32.5	0.9	1.3	182	210	91	90	SSW	5	W	7	0	4	005	3.7	30	— a.
31	30.04	30.01	36.5	36.1	41.7	35.7	1.5	2.0	187	176	87	82	NW	6	W	2	10	10	—	0.1	31	Overcast day.
31	29.88	29.79	37.8	40.9	46.0	34.5	0.4	0.6	218	243	97	95	SW	4	W	5	10	10	023	0.8	30	● showers.
M.	29.819	29.798	39.9	40.1	45.2	36.9	1.2	1.4	224	222	90	88		9		8	8.0	8.1	2.424	37	34.6	

ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.‡					HOLYHEAD.†§									
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	20, 4	22, 8	5	14, 8	17, 9	17, 9	17, 11	—	21	22. 25	20, 10	20, 12	20, 16	20, 14	—	32	19. 55	
2	21, 4	—	3	1, 2	18, 10	20, 15	20, 15	21, 13	—	20	0. 50	20, 10	20, 10	20, 12	20, 10	—	26	0. 55	
3	21, 7	22, 9	23, 10	19	17, 9	21, 16	22, 13	21, 12	—	20	16. 5	20, 10	22, 11	20, 9	20, 9	—	22	10. 15	
4	21, 4	—	2	21, 24, 4	19, 6	21, 9	—	2, 16, 5	—	17	2. 10	20, 6	21, 6	—	3	16, 8	—	15	20. 45
5	18, 6	18, 4	17, 10	11, 12	17, 12	14, 5	17, 7	15, 9	—	20	7. 55	15, 12	14, 14	15, 12	16, 12	—	23	8. 15	
6	25, 6	24, 7	22, 16	23, 24	16, 9	27, 12	26, 16	24, 24	—	38	22. 45	28, 10	28, 19	24, 22	22, 23	—	41	19. 15	
7	23, 18	26, 20	24, 22	1, 12	24, 29	24, 34	26, 32	27, 30	—	69	16. 45	24, 30	22, 28	24, 40	27, 34	—	57	17. 20	
8	28, 16	30, 16	29, 20	15	28, 27	29, 37	30, 29	31, 22	—	50	13. 5	29, 28	29, 38	32, 34	32, 32	—	59	15. 35	
9	24, 8	23, 5	22, 10	24	25, 12	24, 7	22, 13	21, 15	—	26	0. 55	26, 18	20, 18	25, 18	23, 22	—	34	20. 15	
10	21, 4	21, 7	24, 18	6	26, 7	20, 9	16, 10	21, 16	—	32	2. 45	26, 13	20, 9	21, 16	22, 15	—	34	5. 40	
11	21, 18	22, 15	24, 21	24	22, 21	21, 21	22, 28	24, 35	—	49	22. 10	21, 10	21, 21	22, 31	23, 37	—	50	21. 25	
12	24, 20	23, 7	24, 22	3	25, 34	25, 33	26, 22	25, 15	—	52	3. 50	25, 34	25, 27	25, 18	24, 8	—	57	6. 20	
13	18, 14	24, 21	24, 23	17	15, 10	17, 10	25, 33	25, 37	—	58	21. 55	21, 18	19, 26	24, 43	23, 39	—	62	23. 15	
14	22, 18	18, 15	23, 23	7	24, 38	23, 30	16, 14	19, 24	—	63	4. 50	23, 38	21, 21	19, 26	19, 28	—	66	5. 5	
15	22, 17	19, 8	23, 22	4	24, 35	21, 31	20, 22	16, 15	—	51	1. 45	23, 29	21, 28	21, 20	20, 18	—	57	2. 15	
16	22, 13	27, 17	24, 27	15	23, 33	23, 40	25, 37	24, 26	—	63	14. 55	23, 32	23, 37	24, 35	23, 27	—	57	14. 20	
17	19, 15	21, 21	21, 22	22, 23, 24	15, 17	19, 24	19, 26	17, 23	—	41	20. 15	18, 26	19, 29	19, 29	18, 32	—	54	16. 20	
18	17, 28	17, 28	17, 28	11, 13, 18	16, 21	17, 24	18, 20	27, 13	—	45	3. 10	17, 30	17, 28	26, 18	24, 10	—	55	10. 10	
19	22, 10	22, 7	23, 12	14	25, 19	23, 18	23, 16	25, 19	—	24	15. 5	24, 16	22, 13	24, 18	26, 18	—	27	16. 5	
20	—	3	2	23, 12	29, 9	28, 5	26, 4	—	3	19	0. 55	28, 10	—	2	—	3	—	23	1. 35
21	—	1	—	2	30, 20, 3	13, 8	12, 10	13, 11	12, 13	—	19	21. 20	16, 7	18, 6	19, 4	19, 7	—	12	22. 0
22	7, 4	—	2	1, 4	13, 5	9, 4	—	11, 8	—	13	20. 35	7, 7	6, 7	7, 12	7, 10	—	23	19. 10	
23	—	2	3	8, 6	15	—	3	7, 6	8, 7	—	13	20. 35	7, 7	6, 7	7, 12	7, 10	—	23	19. 10
24	—	2	3	14, 6	17, 21, 22	—	3	—	12, 9	—	13	20. 10	10, 5	16, 9	15, 7	13, 10	—	18	21. 30
25	16, 4	—	1	3	14, 8	13, 10	13, 8	11, 8	—	14	12. 30	13, 13	16, 16	16, 11	13, 11	—	26	13. 15	
26	—	2	2	3, 4	7	11, 7	12, 6	11, 8	12, 10	—	13	23. 30	14, 11	14, 8	15, 4	15, 4	—	18	5. 0
27	—	3	6	18	12, 12	13, 14	12, 14	12, 14	—	25	23. 15	15, 6	15, 9	16, 11	16, 14	—	29	23. 50	
28	—	2	5	3, 5	13, 16	13, 11	13, 11	13, 11	—	27	1. 10	17, 17	16, 19	17, 19	17, 15	—	35	16. 20	
29	23, 7	23, 14	24, 15	24	22, 10	25, 11	24, 16	24, 21	—	34	22. 45	27, 12	27, 13	26, 21	26, 26	—	40	22. 50	
30	30, 9	23, 4	31, 13	7	2, 16	29, 12	29, 13	27, 10	—	38	4. 5	32, 29	32, 23	29, 17	29, 20	—	45	3. 50	
31	26, 7	—	28, 9	7	31, 9	—	3	26, 16	—	25	24. 0	29, 14	26, 22	26, 24	27, 26	—	34	23. 55	

GLASGOW.†					KINGSTOWN.†						ROCHES POINT.‡						
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.	Anemometer dismantled for alterations.						D. V.	D. V.	D. V.	D. V.	D. V.	hr. min.	
1	21, 11	20, 12	21, 18	22							20	18	15	11	33	12. 40	
2	21, 10	20, 9	21, 15	2							4	12	4	5	23	1. 40	
3	22, 12	21, 9	22, 13	22							0	6	3	2	12	13. 15	
4	21, 11	22, 6	21, 11	13							13	18	14	14	24	19. 55	
5	19, 10	20, 7	19, 13	14							17	15	8	8	31	3. 5	
6	24, 7	21, 14	21, 20	19, 20							19	15	10	8	40	6. 15	
7	25, 13	28, 14	27, 19	14							10	14	17	27	44	22. 50	
8	30, 12	32, 7	28, 15	8							26	28	19	15	55	6. 45	
9	23, 10	21, 8	22, 16	24							9	12	10	3	23	12. 20	
10	20, 10	22, 12	24, 20	23							6	14	16	20	33	14. 55	
11	23, 15	25, 18	23, 22	11							5	14	14	24	36	21. 15	
12	25, 12	24, 7	25, 18	6							14	17	0	1	29	1. 5	
13	19, 21	25, 12	19, 21	13							11	23	24	27	55	16. 50	
14	23, 12	17, 10	23, 30	4							11	21	30	16	48	2. 55	
15	23, 14	21, 15	24, 19	4, 5							13	19	15	19	46	19. 50	
16	28, 23	27, 9	23, 26	12							18	15	11	12	40	10. 15	
17	19, 21	20, 23	20, 24	20							34	31	31	33	49	6. 45	
18	23, 10	21, 10	18, 26	8							42	15	12	10	61	9. 25	
19	21, 13	23, 7	23, 15	14							7	13	12	6	20	13. 5	
20	19, 4	22, 4	21, 6	22, 23, 24							10	2	5	0	16	5. 40	
21	21, 7	20, 7	20, 10	10, 12, 14							4	6	0	3	13	2. 5	
22	9, 4	8, 5	8, 5	15, 17, 18							6	6	4	0	10	11. 5	
23	—	2	8, 4	11, 7							14	8	7	8	20	10. 0	
24	11, 4	13, 5	13, 7	6							10	18	13	25	34	22. 15	
25	16, 4	—	16, 9	10							25	28	27	25	35	14. 40	
26	16, 5	18, 6	18, 6	15, 18							22	22	20	21	33	1. 45	
27	14, 4	15, 4	16, 7	15, 16							26	28	29	30	37	17. 5	
28	17, 13	17, 10	17, 14	15							27	20	21	9	35	0. 5	
29	23, 11	25, 13	27, 18	20							8	8	6	10	15	21. 15	
30	27, 6	27, 7	28, 10	1							—	10	7	7	—	*	
31	25, 7	26, 5	26, 8	14	—	11	11	13	—	26	16. 35						

* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2. ‡ Dines Pressure Tube Anemometer.
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), 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 $V^2 = 3.5 B^2$) will be given in the Introduction.

Particulars of the heights of the Anemometers above the ground will be given in the Introduction.

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

DEERNES, ORKNEY, a.b.—FEBRUARY 1909.

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 Station Level and Latitude.		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.		Min.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.										9 a.m.	9 p.m.
	ins.	ins.						in.	in.	%	%	*	*				ins.				
1	29.74	29.76	34.8	35.0	35.8	28.6	2.7	1.2	152	180	74	88	NW	21	WSW	5	9	10	☉. Heavy cum.		
2	29.39	29.41	40.8	47.3	47.4	34.2	0.8	0.3	237	319	94	98	SW	18	W	28	10	10	☉ most of day.		
3	28.99	30.2	42.8	41.0	47.8	39.4	1.0	1.8	254	219	92	86	WNW	14	W	24	10	8	Squally, with ☉.		
4	29.23	30.4	38.0	39.0	42.8	36.2	1.2	2.0	204	199	89	84	WNW	17	—	3	2	6	☉ (sleet) showers.		
5	40	66	36.1	38.0	40.1	34.4	1.1	1.4	192	201	90	88	NW	7	NW	12	6	4	☉ showers.		
6	88	95	35.4	36.2	40.0	33.8	0.7	1.4	194	187	94	88	—	2	—	1	5	4	▲ a. Fine day.		
7	82	71	39.8	39.2	41.2	35.2	3.0	2.2	188	197	77	82	SSE	27	S	32	5	7	Strong wind all day.		
8	73	61	40.8	42.0	42.6	38.0	1.3	2.0	228	225	90	85	S	21	S	22	10	2	☉ till 4p.		
9	24	08	41.2	40.0	42.2	39.0	1.9	0.8	219	230	85	94	S	31	S	9	10	10	Strong wind. ☉.		
10	29.26	29.72	40.6	39.5	40.8	37.5	1.3	2.5	225	194	89	80	SE	10	ESE	10	10	10	☉ 9a.—5p.		
11	30.00	30.14	38.3	37.0	40.0	36.0	4.3	4.0	155	149	66	68	SE	10	SE	11	10	10	Overcast day.		
12	23	29	37.0	33.2	37.8	32.8	3.9	1.7	151	155	69	81	S	12	SW	8	10	0	Cold and dry.		
13	30.28	30.10	34.3	42.7	42.7	31.6	1.6	1.7	167	237	84	86	SW	10	WSW	25	4	10	☉ a. Fine.		
14	29.91	29.82	47.3	41.0	48.6	39.0	1.0	3.3	302	192	93	75	W	30	WNW	31	10	1	☉ showers.		
15	87	96	38.0	37.0	42.0	33.2	3.0	3.0	173	165	75	75	NW	26	NW	19	5	5	▲ in past n. ▲ * p.		
16	94	89	37.8	39.0	40.2	36.0	3.4	1.6	166	207	72	87	NW	16	—	1	4	10	Fine day.		
17	77	66	40.6	41.4	42.8	37.7	1.4	1.1	223	238	89	91	SSW	7	S	5	10	6	☉ Very fine day.		
18	68	70	42.0	41.0	44.6	37.2	1.8	1.0	229	235	86	92	S	10	S	6	2	0	☉ Very fine day.		
19	81	81	41.4	41.5	45.0	36.8	0.8	2.4	244	213	94	82	S	4	S	18	9	0	Very fine day.		
20	29.85	29.95	42.0	42.7	45.0	39.2	3.4	2.4	200	224	76	82	S	23	S	15	6	0	Very fine day.		
21	30.02	30.05	44.0	44.0	45.6	41.0	2.9	2.2	226	240	78	83	S	22	S	21	0	0	Very fine day.		
22	07	18	44.8	44.1	46.1	42.0	2.8	0.6	235	276	79	95	S	16	W	4	7	6	☉ showers.		
23	25	25	42.2	38.2	45.0	37.2	0.2	0.5	265	220	98	96	—	3	—	1	8	0	Very fine. ☉. ☉.		
24	21	24	41.2	38.0	41.3	37.0	0.7	2.7	244	178	95	77	SE	16	SSE	15	10	10	Overcast and mild.		
25	29	39	38.5	37.0	39.0	36.0	2.7	3.2	182	162	78	74	SSE	20	SE	13	10	10	Fine, dry, and cold.		
26	42	30.33	37.2	36.0	39.8	34.2	3.2	2.0	163	175	74	82	—	1	NW	4	10	10	Fine a., then overcast.		
27	30.14	29.99	40.2	37.3	41.2	35.2	1.8	3.9	213	153	86	60	N	23	NE	16	5	10	Cold. ☉ showers.		
28	29.85	29.82	35.0	36.0	38.6	32.2	2.3	3.8	159	145	78	68	NE	23	N	28	4	9	▲ showers a. Squally p.		
M.	29.831	29.837	39.7	39.4	42.4	36.1	2.0	2.0	207	204	84	83		16		14	7.2	6.0	1.865	58	—

TILLYPRONIE, ABERDEENSHIRE.—FEBRUARY 1909.

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 Station Level and Latitude.		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.	hrs.	°			
1	ins.	ins.												†	†			ins.	hrs.	°		
2	28.68	28.82	32.2	34.0	42.0	32.0	0.4	1.5	in.	in.	%	%	N	3	W	1	8	8	01	—	28	Stormy and frosty.
3	28.55	28.68	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	14	—	22	
4	28.45	28.58	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
5	28.35	28.48	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
6	28.25	28.38	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
7	28.15	28.28	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
8	28.05	28.18	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
9	27.95	28.08	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
10	27.85	27.98	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
11	27.75	27.88	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
12	27.65	27.78	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
13	27.55	27.68	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
14	27.45	27.58	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
15	27.35	27.48	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
16	27.25	27.38	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
17	27.15	27.28	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
18	27.05	27.18	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
19	26.95	27.08	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
20	26.85	26.98	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
21	26.75	26.88	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
22	26.65	26.78	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
23	26.55	26.68	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
24	26.45	26.58	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
25	26.35	26.48	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
26	26.25	26.38	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
27	26.15	26.28	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
28	26.05	26.18	32.2	34.0	42.0	32.0	0.4	1.5	174	166	95	84	SW	5	W	9	10	6	15	—	33	
M.	28.832	28.844	34.9	34.9	41.6	30.3	1.5	1.5	175	174	86	85	2.0	2.3	6.4	5.2	1.22	—	25.9			

LAUDALE, ARGYLESHIRE, a.—FEBRUARY 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 in.

1	29.97	30.00	38.9	40.2	43.2	37.0	0.7	1.2	223	224	95	90	N	3	N	1	4	10	—	—	Fine day.
2	29.76	29.43	48.9	51.9	52.2	39.0	0.4	0.9	337	362	98	94	W	5	N	8	10	100	3.02	—	Stormy day. p.
3	28.56	28.46	52.0	47.0	52.0	47.0	0.0	2.0	388	275	100	86	W	7	W	5	10	100	1.3	—	Stormy.
4	29.66	29.53	45.0	42.5	48.0	39.0	3.0	0.5	233	261	78	96	W	3	S	1	10	10	—	—	Dull and warm.
5	29.75	29.99	42.2	40.7	44.7	37.0	1.3	0.5	241	243	90	94	W	4	N	1	5	9	0.4	—	Fine intervals.
6	30.11	30.06	35.2	36.7	42.2	31.9	0.2	1.0	202	198	98	91	E	1	W	1	10	0	—	—	Very fine day.
7	29.91	29.87	40.2	42.2	42.2	34.8	1.7	2.3	215	221	87	83	SE	7	E	6	10	100	0.50	—	Very fine day.
8	29.66	29.64	42.2	43.2	44.0	39.1	0.7	0.2	254	275	94	98	SE	5	S	4	10	100	1.50	—	Squally, with.
9	29.44	29.42	42.2	43.2	44.0	39.1	0.7	0.2	254	275	94	98	SE	5	S	4	10	100	0.62	—	Squally, with.
10	29.24	29.26	42.9	41.8	45.2	39.0	1.9	2.7	235	211	85	80	N	5	SE	4	9	5	0.4	—	Cold, with showers.
11	30.08	30.26	39.2	36.2	41.8	35.1	2.2	2.7	197	165	82	77	SE	4	SE	4	5	10	—	—	Dull and overcast.
12	29.36	29.49	36.2	29.2	37.2	28.0	2.3	0.0	171	161	80	100	E	1	Calm	0	10	0	—	—	Fine. Dark.
13	29.55	29.53	34.2	35.9	38.9	25.2	1.2	0.0	174	211	87	100	Calm	0	SE	1	100	100	0.16	—	* (sleet) p.
14	29.36	29.48	45.3	49.0	34.2	0.0	0.0	10	338	279	100	92	W	4	W	4	10	0	0.32	—	Misty, with.
15	29.27	29.23	45.0	40.8	45.0	39.2	2.1	0.8	251	237	84	94	NW	3	NW	4	10	10	—	—	Dry and cold.
16	29.20	29.11	41.0	37.2	44.9	34.2	0.3	0.0	250	222	98	100	W	1	Calm	0	10	5	—	—	Fine day.
17	29.95	29.85	42.9	42.9	44.2	36.0	1.7	1.0	239	255	87	92	SE	5	S	5	10	7	—	—	Fine day.
18	29.85	29.90	44.5	43.3	45.0	41.2	1.5	1.3	259	252	88	90	SE	5	SE	6	9	8	—	—	Fine day.
19	30.00	30.00	40.5	42.2	43.5	39.0	1.3	3.0	224	209	90	78	SE	5	SE	5	6	0	—	—	Fine day.
20	29.07	29.14	43.2	45.5	47.2	39.4	1.2	2.8	253	243	90	80	SE	5	S	5	5	0	—	—	Fine day.
21	29.19	29.21	45.0	49.2	49.2	42.0	2.3	2.5	247	289	83	83	SE	5	S	6	9	9	1.2	—	Fine day.
22	29.29	29.39	45.0	42.5	49.2	40.5	0.2	0.0	294	272	98	100	S	4	Calm	0	10	10	0.08	—	Misty, with showers.
23	29.45	29.40	36.5	40.9	44.9	36.0	1.0	2.0	197	215	92	85	Calm	0	Calm	0	10	10	—	—	Mist most of day.
24	29.32	29.35	39.2	39.2	45.2	32.0	0.2	3.3	235	177	98	75	Calm	0	E	4	10	3	—	—	Fine day.
25	29.43	29.51	30.5	32.2	41.2	31.0	1.5	0.5	187	172	87	94	E	4	N	3	3	4	—	—	Very fine.
26	29.57	29.54	37.2	30.8	41.9	29.0	4.0	1.1	151	144	68	84	E	4	N	1	10	5	—	—	Very fine.
27	30.40	30.20	38.9	36.2	44.5	29.1	2.4	1.1	191	193	82	90	NE	3	Calm	0	10	100	0.08	—	Overcast and squally.
28	29.96	30.03	36.9	30.2	39.9	29.7	2.7	1.0	170	142	78	84	E	4	Calm	0	5	0	—	—	Fine day. * shower.
M.	30.052	30.057	41.4	40.2	44.7	35.8	1.4	1.3	236	227	89	90	3.7	3.0	8.6	6.6	6.76	—	—	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—FEBRUARY 1909.

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 Station Level and Latitude.		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.			
							D-p. 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.	36.5	33.5	39.8	31.0	1.5	0.8	in.	in.	%	%	N	2	NW	1	10	ins.	hrs.	°	Cloud and sunshine.
2	29.77	29.87	36.5	33.5	39.8	31.0	0.7	1.2	187	175	95	92	SW	1	SW	4	10	—	—	—	Dull and cloudy.
3	29.61	29.71	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	3	W	1	10	—	—	—	Cloud and sunshine.
4	29.45	29.55	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	SW	1	10	—	—	—	Dull and cloudy.
5	29.30	29.40	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	NW	1	10	—	—	—	● n. Cloud and sunshine.
6	29.15	29.25	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NW	1	SE	1	5	—	—	—	Fine.
7	29.00	29.10	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NW	1	SE	1	5	—	—	—	Fine till noon, then dull.
8	28.85	28.95	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	1	SE	1	5	—	—	—	Dull, with ∞.
9	28.70	28.80	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	SW	1	10	—	—	—	Dull, with ∞.
10	28.55	28.65	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	1	NW	1	0	—	—	—	* 7 a. till n.
11	28.40	28.50	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	N	1	N	1	10	—	—	—	Dull, with * (sleet) showers.
12	28.25	28.35	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	3	NE	1	10	—	—	—	Dull and cloudy. * 9 showers
13	28.10	28.20	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	1	NE	1	10	—	—	—	Dull and cloudy.
14	27.95	28.05	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	1	NE	1	10	—	—	—	Dull and cloudy.
15	27.80	27.90	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	1	NW	1	5	—	—	—	Fine.
16	27.65	27.75	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	W	3	10	—	—	—	Dull, with ∞.
17	27.50	27.60	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	2	NW	1	5	—	—	—	Cloud and sunshine. Dull from
18	27.35	27.45	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	W	1	W	1	10	—	—	—	Dull to 9 a., and from 3 p. [3 p.
19	27.20	27.30	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	W	1	10	—	—	—	Dull to 1 p., and from 3 p.
20	27.05	27.15	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	W	1	10	—	—	—	Dull and cloudy.
21	26.90	27.00	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	1	SW	1	10	—	—	—	Fine.
22	26.75	26.85	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	1	SE	1	0	—	—	—	Fine.
23	26.60	26.70	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SW	1	NW	1	0	—	—	—	Fine.
24	26.45	26.55	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	1	SE	1	5	—	—	—	Fine to 4 p. ∞ a. and p.
25	26.30	26.40	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NW	1	SW	1	10	—	—	—	Dull, with ∞.
26	26.15	26.25	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	W	1	SW	1	5	—	—	—	∞ till 9 a. Fine till 3 p.
27	26.00	26.10	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	2	SE	1	10	—	—	—	● shower 9 a. Dull.
28	25.85	25.95	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	SE	1	SE	1	10	—	—	—	Dull and cloudy.
	25.70	25.80	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	NE	1	NE	2	10	—	—	—	Dull and cloudy.
	25.55	25.65	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	N	1	N	1	10	—	—	—	Cloud and sunshine. ● 1 p.
	25.40	25.50	36.5	33.5	39.8	31.0	0.7	1.5	187	175	95	92	N	1	N	1	10	—	—	—	Dull. * Δ showers.
M.	29.924	29.916	36.1	36.9	43.0	32.5	1.0	1.1	194	199	90	90	1.3	1.2	7.7	7.3	0.82				

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—FEBRUARY 1909.

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 Station Level and Latitude.		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.	34.0	31.0	34.0	30.0	1.0	1.0	176	148	89	85	NW	4	NW	3	3	Fine, but cloudy.
2	—	—	40.0	48.0	48.0	28.0	0.0	2.0	247	285	100	86	W	6	W	9	10	Fine.
3	—	—	49.0	49.0	51.0	40.0	1.0	2.0	322	298	93	86	W	9	W	5	10	Fine.
4	—	—	44.0	42.0	50.0	41.1	1.0	1.0	265	245	92	92	NW	5	SW	1	10	
5	—	—	36.0	36.0	48.0	33.0	0.0	0.8	212	197	100	93	NW	5	W	4	10	Fine.
6	—	—	35.0	33.0	40.0	31.0	2.0	1.0	164	167	80	89	NW	4	NW	1	4	Fine and bright.
7	—	—	32.0	33.0	35.0	28.0	0.0	1.0	182	167	100	89	SE	2	SE	3	10	Fine.
8	—	—	32.0	33.0	35.0	30.0	1.0	2.0	157	147	87	78	SE	4	SE	4	10	Fine, but cloudy.
9	—	—	31.0	34.0	35.0	28.0	0.0	0.0	174	196	100	100	SE	5	NW	1	10	* during day.
10	—	—	34.0	37.8	38.0	32.0	0.0	0.3	196	224	100	98	NW	2	E	4	10	
11	—	—	35.0	34.0	37.8	31.0	1.0	2.3	184	150	90	77	NE	4	NE	4	10	Cloudy day.
12	—	—	33.0	34.0	37.0	32.0	0.0	0.0	188	196	100	100	NE	4	NE	3	10	Cloudy day.
13	—	—	36.1	33.0	44.0	28.0	3.1	2.0	157	147	71	89	NW	3	SW	4	9	Fine day.
14	—	—	38.0	45.0	46.0	28.0	1.0	1.5	208	264	91	89	NW	6	W	7	8	Fine and breezy.
15	—	—	40.4	35.0	45.0	33.0	3.5	2.0	184	164	73	80	W	3	N	4	3	Fine and clear.
16	—	—	36.4	38.9	40.0	29.0	3.2	3.4	157	174	74	74	NW	4	NW	3	8	Fine, but cloudy.
17	—	—	36.8	34.9	41.4	33.9	1.8	0.7	184	189	85	93	SW	1	SW	1	9	Fine, but cloudy.
18	—	—	36.8	34.9	46.0	31.5	1.9	1.9	183	165	84	81	SE	2	SW	3	9	Fine, but cloudy.
19	—	—	29.5	36.2	42.1	28.0	0.5	2.2	150	173	92	81	SE	3	S	3	3	Fine, with ∞.
20	—	—	33.4	36.9	37.8	27.8	1.4	1.4	163	193	85	89	SW	4	S	4	3	Fine and clear.
21	—	—	35.0	38.5	40.0	25.0	2.5	2.3	156	189	76	82	S	3	SW	4	2	Fine and clear.
22	—	—	36.9	39.0	43.0	32.5	4.4	4.5	143	157	65	67	SW	1	W	2	3	Fine and clear.
23	—	—	40.0	40.9	42.0	34.9	1.8	0.4	211	247	86	97	NW	1	NE	1	10	Cloudy, with ∞ p.
24	—	—	34.5	33.5	41.1	30.5	1.0	1.1	180	170	90	88	SE	3	Calm	0	10	Fine, but cloudy.
25	—	—	35.9	34.0	37.0	32.0	3.0	2.0	157	156	74	79	NE	3	NE	2	10	
26	—	—	35.1	36.0	38.0	32.0	3.0	0.0	149	212	72	100	NE	4	N	4	10	Cloudy, with ∞.
27	—	—	34.6	34.9	38.6	33.0	0.1	0.0	199	203	99	100	NW	2	NW	3	10	Cloudy, with ∞.
28	—	—	35.9	34.5	38.1	33.0	0.9	0.5	194	190	92	95	NW	3	NW	3	9	showers.
M.	—	—	36.1	36.8	41.0	31.3	1.4	1.4	187	193	87	87						

DOUGLAS, ISLE OF MAN, a.—FEBRUARY 1909.

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.

Day.	Barometer at 32° Fahr. at Station Level and Latitude.		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	29.67	29.83	42.2	39.3	45.5	35.8	1.2	1.7	243	207	90	87	NNW	4	W	1	7	Fine a., then cloudy.
2	29.71	29.88	43.8	47.9	48.3	38.0	0.6	0.9	271	310	96	94	WSW	5	WSW	5	9	∞ 2p. ∞ 5p.-8p.
3	31	33	49.0	49.3	51.0	47.2	0.0	0.1	348	350	100	99	WSW	5	WSW	5	9	Squally, with ∞.
4	39	30	45.5	48.1	51.0	44.8	0.0	0.0	305	336	100	100	Calm	0	SW	3	10	Misty, with ∞.
5	50	79	42.8	41.6	49.5	40.1	2.0	1.3	233	236	85	90	NW	5	WNW	3	5	Fine. ∞ showers.
6	85	86	40.9	36.5	46.1	36.0	0.9	0.3	236	210	93	97	NNW	1	Calm	0	7	Fine.
7	73	69	40.9	41.2	42.9	35.0	1.3	1.2	229	233	90	91	SE	3	SE	5	8	Dull and gloomy.
8	82	75	40.6	42.0	44.3	38.2	2.7	2.0	200	225	79	85	S	2	S	3	9	Dull a.
9	29	06	41.1	38.3	45.0	37.0	0.1	1.2	256	207	99	90	S	4	WNW	4	10	∞ a. ∞ showers afternoon.
10	13	33	42.0	39.2	44.0	34.9	3.0	1.2	207	216	78	90	NW	6	NNE	6	9	Cloudy. ∞ 3p.-7p.
11	29.70	29.88	37.2	37.0	39.9	35.0	2.0	2.0	184	182	83	83	NE	5	NE	3	4	Cloudy day.
12	30.02	30.16	35.0	34.6	39.9	31.8	3.0	2.6	148	151	72	75	E	2	ESE	2	3	Fine day.
13	27	30	31.5	33.9	41.5	28.0	1.3	1.2	147	171	82	87	NW	1	WNW	1	5	~
14	22	30.09	38.8	43.3	48.9	33.1	1.0	0.3	217	273	92	98	NNW	1	WNW	3	9	Overcast.
15	30.00	29.97	38.5	41.2	47.0	38.0	2.0	2.0	194	217	84	85	NW	3	WNW	2	9	Cloudy afternoon.
16	29.94	29.97	37.5	40.0	44.0	33.0	1.0	1.7	205	213	92	86	NNE	1	Calm	0	8	Cloudy day.
17	77	65	42.0	41.8	43.0	39.0	2.1	2.0	223	225	84	85	S	2	S	2	9	Dull. ∞ showers p.
18	66	69	40.3	41.7	44.2	38.2	1.0	3.1	229	203	92	77	ESE	2	SSE	1	10	Cloudy, with ∞.
19	77	81	40.0	42.0	43.7	36.8	1.5	2.0	217	225	88	85	SE	3	SE	3	7	Fine day.
20	29.92	29.96	42.2	43.3	46.4	39.8	1.7	1.1	233	256	88	92	SE	3	SE	2	0	Fine day.
21	30.00	30.06	43.0	44.0	47.8	39.5	1.2	2.0	251	244	90	84	SE	4	SE	3	4	∞ a. Fine day.
22	12	15	45.0	43.2	48.8	39.9	2.0	2.4	253	228	85	82	SSE	1	Calm	0	6	Fine a., then cloudy.
23	11	04	41.6	43.0	46.8	39.2	1.3	1.0	236	255	90	92	Calm	0	NE	4	9	Dull day.
24	01	06	39.0	40.0	43.3	34.9	0.0	3.0	238	189	100	76	ESE	4	ESE	5	10	Overcast day.
25	15	17	34.0	36.8	40.2	32.8	0.5	2.5	186	172	95	79	E	2	ESE	3	9	Fine, but cloudy.
26	20	30.12	35.0	36.8	40.0	32.9	1.5	1.6	174	188	85	77	NE	3	N	3	10	~ ∞ showers. ∞ p.
27	30.03	29.84	38.0	39.2	43.8	34.8	2.8	1.2	176	216	77	90	N	3	N	2	9	~ ∞ shower 5.30p.
28	29.59	29.62	37.0	34.8	39.7	32.0	2.0	2.8	182	150	83	73	NE	2	NE	4	9	~ ∞ showers 11a. and 5p.
M.	29.817	29.815	40.2	40.7	44.9	36.6	1.4	1.6	222	225	88	87						

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—FEBRUARY 1909.

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 Station Level and Latitude.		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.		hrs.	°
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	40.0	33.2	42.0	32.1	2.0	2.2	in.	in.	%	%	NW	4	—	2	4	0	ins.	hrs.	°	Fine and bright.
2	29.53	29.72	38.5	45.0	45.1	29.7	0.5	0.8	224	280	97	94	SW	7	SW	18	10	100	795	—	26	Dull day. 7p.-9p.
3	26	26	46.2	47.5	48.1	44.3	0.6	0.3	299	321	96	97	WSW	20	WSW	21	100	100	2000	—	42	3a.-midnight.
4	31	27	47.3	47.0	48.2	46.0	0.3	0.6	319	308	98	96	W	18	SW	14	100	100	738	—	44	6a.-noon.
5	31	64	40.0	40.0	48.0	38.6	2.8	2.0	193	207	78	84	NW	13	NW	16	7	4	—	5.6	34	8a. *. 10p. and 11p.
6	75	79	38.0	35.2	43.2	34.0	1.2	2.0	204	167	89	81	—	1	—	3	3	0	—	4.9	27	Fine day.
7	74	69	33.0	36.4	39.4	30.5	1.6	2.4	155	171	82	79	—	2	SE	7	4	0	—	0.7	23	Cloudy day. Fine n.
8	82	29.77	34.2	33.1	37.0	32.2	2.1	1.6	156	156	79	82	—	3	—	3	10	8	0.10	—	29	11.20a. Cloudy.
9	29.33	28.96	34.5	37.0	38.0	30.5	1.5	3.0	170	165	84	75	S	12	W	11	10	8	360	—	27	*. (sleet). 5p.-7p.
10	28.98	29.18	36.5	37.2	38.6	33.1	1.5	1.9	186	169	87	82	—	2	NE	5	10	7	080	—	27	Overcast. noon.
11	29.52	29.74	36.2	35.2	38.6	34.5	1.5	1.9	186	169	87	82	NE	10	NE	7	100	10	—	—	33	Cloudy day.
12	29.92	30.05	32.8	33.2	36.0	31.3	3.3	1.7	121	155	65	81	ENE	8	E	5	9	10	—	2.2	29	Fine and cold.
13	30.17	30.18	34.2	31.6	41.0	30.0	2.2	1.4	154	146	78	81	—	2	—	2	4	0	—	7.5	22	Fine and bright.
14	30.13	29.98	33.4	41.0	41.0	28.7	1.4	0.7	163	242	85	94	SW	4	WSW	7	10	0	0.10	—	23	Very dull and misty.
15	29.88	28.42	30.6	33.0	42.0	27.6	1.6	1.7	132	153	76	81	—	2	—	3	7	0	005	5.6	33	Fine. 9.30p.
16	86	79	30.6	33.0	42.0	27.6	1.6	1.7	132	153	76	81	—	2	—	3	7	0	—	4.3	21	Fine day. 11p.
17	71	61	31.3	36.4	40.0	29.4	1.0	2.4	152	171	86	79	—	1	—	0	4	10	—	1.2	22	Fine afternoon.
18	61	65	37.0	37.0	41.0	34.4	2.6	2.7	172	170	78	77	S	7	—	1	10	7	—	0.6	26	Dark a. Cloudy day.
19	76	83	33.0	40.4	44.2	30.3	2.0	6.1	147	143	78	57	—	3	—	2	0	0	—	7.0	21	Fine and clear.
20	29.92	29.97	30.0	40.0	46.3	30.6	3.4	4.6	152	162	71	65	S	4	—	3	0	0	—	8.0	22	Fine and bright.
21	30.02	30.05	38.0	40.4	46.7	34.0	4.0	4.4	157	169	68	67	—	2	SE	4	0	0	—	7.8	23	Fine and bright.
22	11	30.09	37.8	39.8	48.3	33.5	4.8	6.2	143	138	63	56	—	1	—	3	2	10	055	5.1	20	Fine and bright.
23	30.03	29.95	32.8	42.0	47.6	27.6	3.3	1.5	121	235	65	89	—	3	NNE	4	4	10	—	6.8	23	Fine and bright.
24	29.98	30.02	32.2	33.0	42.1	30.6	2.8	2.8	139	133	76	71	E	7	E	5	10	0	—	3.4	27	Fine a., then dull. 9p.
25	30.06	30.08	33.5	34.0	37.1	26.5	1.3	3.3	165	134	86	68	ENE	4	E	7	10	8	—	21	27	Dull and cold, then fine.
26	30.05	29.97	34.6	34.8	39.1	30.5	2.4	3.3	155	141	77	69	—	2	N	5	8	10	—	1.7	26	Overcast.
27	29.89	74	34.6	34.0	37.0	32.3	2.3	1.2	157	172	78	87	—	2	—	2	10	4	100	—	25	*. Cold.
28	29.48	29.51	33.3	33.0	39.2	30.5	1.3	1.0	164	167	86	89	—	1	NE	4	10	5	040	0.8	25	*. Very cold. 7.30p.
M.	29.741	29.741	36.1	37.5	42.1	32.5	2.1	2.4	175	182	81	79	—	5	—	6	6.9	5.4	4.201	78	26.6	

HILLINGTON, NORFOLK, a.b.—FEBRUARY 1909.

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.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29.72	29.96	36.2	34.2	42.3	30.4	0.6	1.4	201	169	94	85	NW	3	NW	1	8	3	—	3.6	24	Very fine and sunny.						
96	88	35.5	42.4	43.0	29.1	1.2	1.0	184	249	89	92	W	2	W	3	10	8	—	0.1	21	Overcast.						
63	59	48.3	52.3	52.7	42.2	1.9	2.2	292	334	87	85	W	4	W	5	10	9	—	0.1	33	Mild day.						
64	59	51.0	53.9	50.2	1.4	0.5	348	301	90	97	W	4	W	3	10	10	—	—	—	45	Mild day.						
29.38	29.84	43.6	38.8	51.7	38.8	1.8	1.4	244	208	86	88	NW	6	N	3	9	0	—	—	30	Mild and gloomy.						
30.01	30.06	35.3	30.5	44.8	30.3	0.5	0.4	196	159	95	93	N	1	N	3	0	—	—	5.5	22	Fine and sunny.						
09	06	28.6	33.2	44.9	23.7	0.5	0.4	142	181	91	95	NE	1	E	2	4	2	—	6.0	19	Fine and sunny.						
30.18	30.16	32.5	30.2	40.0	26.9	1.9	1.1	144	139	78	83	SE	1	SE	1	2	5	—	2.2	18	Sunny and cloudy.						
29.77	29.32	34.6	36.1	38.0	29.8	1.8	0.3	166	207	82	97	SE	3	S	2	7	8	—	0.6	21	Fine.						
25	35	33.6	38.0	39.0	32.3	0.3	0.6	186	217	96	94	SW	1	SW	1	9	9	—	0.5	28	Overcast and cold.						
29.68	29.91	37.3	34.8	39.4	33.1	1.7	1.4	189	174	85	86	E	2	NE	5	3	10	—	0.6	1.4	29	Sunny and cloudy. *p.					
30.04	30.23	33.5	33.1	35.9	30.8	4.2	3.0	115	130	60	68	NE	4	NE	5	8	9	—	5.1	28	Very fine and sunny.						
40	41	35.4	31.9	41.2	31.0	2.6	0.4	158	171	76	94	NE	2	NE	1	9	5	—	2.4	20	Sunny and cloudy.						
35	19	26.9	36.9	41.1	21.9	0.5	0.5	130	209	89	95	N	1	N	1	9	10	—	0.3	2.0	15	Sunny and cloudy. Cold win.					
10	03	40.8	35.3	46.8	34.9	0.4	0.9	246	188	97	91	NE	2	N	1	9	2	—	4.0	26	Fine and sunny.						
08	30.00	33.4	37.3	38.7	29.9	1.6	2.5	158	176	82	79	NE	5	N	2	9	5	—	0.5	21	Overcast and very cold.						
30.01	29.92	34.7	29.7	45.1	29.5	1.0	0.3	181	156	90	94	N	1	SE	1	9	3	—	0.1	23	Overcast.						
29.92	29.97	32.3	30.2	44.8	25.4	1.2	0.8	156	147	85	87	W	2	W	1	9	0	—	2.5	19	Sunny and cloudy.						
30.03	30.17	35.9	30.3	46.7	25.5	3.8	1.2	143	137	68	82	SE	2	SE	1	2	0	—	7.7	19	Sunny, but cold.						
23	31	36.2	33.7	48.1	27.2	2.8	1.2	162	169	76	86	SE	2	SE	1	2	0	—	8.1	19	Beautiful day.						
40	40	38.3	29.7	52.4	26.5	5.5	1.2	137	132	59	80	S	1	S	1	0	0	—	8.5	20	Very fine and sunny.						
44	35	36.6	37.1	51.1	22.4	3.5	0.4	145	213	69	96	S	1	S	1	0	2	—	8.3	14	*a. Fine and sunny.						
26	31	32.3	32.6	47.4	19.4	1.5	0.8	149	168	82	90	NW	1	NE	2	3	10	—	6.5	14	*a. Fine and sunny.						
28	24	34.5	33.5	39.7	26.1	2.8	2.0	147	151	74	79	SE	2	NE	2	2	8	—	7.4	19	*a. Fine and sunny.						
26	26	28	34.6	31.5	35.8	30.5	2.5	0.7	152	160	76	90	E	3	E	2	10	8	—	29	*a. Fine, but cold.						
21	14	33.9	29.7	35.9	29.1	1.5	0.3	165	156	84	94	E	2	NE	2	10	10	—	12	27	Dull day.						
30.07	30.01	32.6	32.5	34.6	29.5	0.4	0.4	176	175	94	94	E	3	E	2	10	10	—	05	18	Dull day.						
29.79	29.75	31.1	31.1	34.3	28.5	1.2	0.5	145	162	83	92	SE	1	SE	1	3	9	—	6.4	28	Very fine and sunny.						
M.	30.005	30.015	35.7	34.9	43.2	29.8	1.8	1.0	177	186	83	89	2.3	1.9	6.4	5.5	0.51	89	23.1								

SHREWSBURY, SHROPSHIRE.—FEBRUARY 1909.

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 Station Level and Latitude.		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.	hrs.				
1	ins.	ins.																		
2	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	ins. 28	● showers a., then fine.
3	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Dull day.
4	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Overcast day.
5	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Dull day.
6	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Cloudy day.
7	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day.
8	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Misty a., then fine.
9	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine bright day.
10	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	* showers.
11	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	* 6a.-8a., then e.
12	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Dull day.
13	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day, cold wind.
14	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine bright day.
15	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day.
16	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Bright intervals.
17	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Bright intervals.
18	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Cloudy day.
19	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day.
20	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	* a. Fine bright day.
21	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine bright day.
22	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day.
23	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine bright day.
24	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine day.
25	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Fine bright day.
26	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Overcast. * 3p.
27	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	Overcast. * 3p.-6p.
28	29.71	29.90	41.8	30.0	45.5	30.0	1.5	0.0	234	167	88	100	NNW	3	NNW	1	10	0	28	* during day.
M.	29.920	29.906	35.3	35.9	45.5	30.6	1.4	1.5	181	186	86	87	2.1	1.8	7.4	3.9	0.90	—	27.6	

CAMBRIDGE, a.—FEBRUARY 1909.

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	29.79	30.06	40.1	35.0	42.9	32.3	0.3	1.1	242	182	97	89	W	2	W	2	9	4	—	3.0	27	Sunny 10a.-3p. ☽	
2	30.07	29.92	34.2	44.1	44.8	29.5	1.1	1.1	176	264	88	91	SW	2	SW	5-6	10	10	—	1.5	24	Sunny 11.30a.-1p.	
3	29.73	72	49.2	51.8	53.6	44.0	2.1	2.4	298	323	86	84	SW	5-6	SW	6	10	10	—	3.2	24	Overcast day.	
4	74	73	51.4	50.2	57.9	50.0	2.3	2.2	321	307	85	85	SW	5	SW	4-5	7	8	0.04	0.3	45	Overcast most of day.	
5	29.54	29.98	45.0	40.0	51.0	39.0	3.5	2.0	224	207	75	84	W	7	W	2	7	0	—	2.5	41	☼ 8a. ☽ a. ☽	
6	30.09	30.13	38.0	28.5	46.2	28.0	1.1	0.0	206	157	90	100	NW	2-3	Calm	0	1	0.00	—	7.1	27	Sunny 8.30a.-4p. ☽	
7	14	11	25.0	31.5	45.0	21.5	0.2	0.0	127	178	94	100	Calm	0	N	1	0	0	—	5.7	21	Sunny 10a.-4p. ☽	
8	30.22	30.19	34.0	29.0	39.4	29.0	1.1	0.3	174	151	88	95	SE	1	Calm	0	8	0	—	3.2	22	Sunny 10.30a.-2.30p.	
9	29.87	29.41	33.3	38.0	39.9	29.0	1.4	0.5	162	218	85	96	SE	2	SW	2	9	10.00	0.10	0.1	24	Overcast. * after 2p.	
10	32	39	35.1	36.5	40.0	33.3	0.1	0.5	203	206	99	95	WSW	1	WSW	2	9	5	—	3.0	—	☼ n. co. Overcast.	
11	29.70	29.94	36.1	35.2	41.8	33.0	1.0	1.2	194	182	91	88	N	2-3	NE	4-5	9.00	10	0.02	2.5	29	Fine a. * 0 after 4p.	
12	30.13	30.28	32.0	30.2	37.0	30.0	1.9	0.3	139	160	76	95	N	5-6	N	4	9	5	—	6.4	25	Sunny 9a.-3p.	
13	45	51	34.2	34.1	41.0	28.0	1.0	1.1	178	175	89	88	NE	2	N	2	9.00	0	—	5.6	23	Fine and sunny.	
14	45	30	28.5	38.0	42.8	21.5	0.5	0.9	142	210	91	92	SW	1	SW	1	4	10	0.01	1.9	18	Fine day.	
15	17	11	43.0	41.0	48.0	37.0	0.8	2.8	259	201	94	78	W	2-3	W	4-5	10	10.00	—	5.3	26	Sunny 10a.-3p.	
16	17	10	33.1	37.0	42.0	29.0	1.9	2.9	150	167	79	76	W	2-3	NW	2	6	0	—	1.6	23	Fine till noon.	
17	09	02	34.5	29.2	46.4	29.0	1.1	0.2	178	156	88	97	SW	1	Calm	0	10	0	—	0.7	26	Overcast. Sunny 3p.	
18	03	04	33.0	31.9	44.0	24.5	1.7	1.0	153	157	81	87	S	1	Calm	0	10	0	—	5.4	19	Sunny 10.30a.-4p.	
19	13	24	31.0	35.0	46.5	24.1	1.2	1.8	143	168	82	82	SE	1	SE	2	0	0	0.03	7.5	17	* a. Cloudless day.	
20	34	38	35.2	34.0	47.3	28.7	2.3	1.1	161	174	79	88	SE	1	SE	1	0	0	—	9.2	18	Cloudless day.	
21	44	48	38.0	36.0	52.0	24.1	2.5	3.3	182	153	79	72	SE	2	SE	2	0	0	—	8.2	18	Cloudless day.	
22	49	45	26.0	25.0	49.3	19.3	0.2	0.0	134	135	95	100	SW	1	Calm	0	0	0	0.03	6.6	18	Sunny 10a.-5p.	
23	35	29	22.0	32.1	48.0	17.0	0.2	0.2	110	179	94	98	SW	1	SE	1	0	10	0.00	2.6	16	* till 11a., then sunny.	
24	33	34	28.0	32.5	41.9	27.9	0.0	0.2	153	137	100	74	NE	2	NE	2	10.00	10	—	7.0	23	Sunny 10a.-4.30p.	
25	30	36	35.1	31.3	35.9	31.0	2.1	0.8	163	157	79	89	NE	2-3	NE	2	10.00	10	—	—	22	Δ a. and p. Overcast.	
26	29	19	34.0	30.7	36.0	30.1	0.0	0.4	196	162	100	94	NW	2	N	2-3	10.00	10.00	0.02	—	29	Overcast. * showers.	
27	30.14	30.03	32.0	32.2	35.0	29.9	0.0	0.2	182	179	100	98	N	1	N	1	10%	10.00	0.05	—	27	* a. and p. Overcast.	
28	29.85	29.79	32.5	31.5	36.0	29.0	1.5	0.0	152	178	83	100	SE	1	NE	2-3	4	10	—	5.5	27	Sunny 9a.-3p.	
M.	30.084	30.089	34.8	35.1	44.0	29.7	1.2	1.1	182	187	88	90	2.2	2.1	6.5	5.1	0.24	99	24.9				

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—FEBRUARY 1909.

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 Station Level and Latitude.		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.									
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.			
1	29.71	29.89	41.0	33.7	45.3	33.4	1.3	2.1	.229	.152	89	78	W	1	W	1	10	0	—	Dull day.	
2	.93	.77	38.5	46.9	46.9	29.2	1.3	1.2	.207	.293	89	91	W	1	SW	5	5	10	—	Bright a. Cold p.	
3	.61	.63	50.7	50.5	53.4	46.9	2.9	2.4	.297	.306	80	83	SW	6	W	5	10	10	—	Dull.	
4	.64	.65	51.4	47.7	55.7	44.4	2.8	1.5	.307	.294	81	88	SW	1	W	1	10	10	.01	Dull day.	
5	.58	.87	44.7	39.7	48.4	39.5	3.8	2.5	.216	.195	73	80	NW	3	NW	1	9	10	—	•a. Bright p.	
6	.98	.99	40.7	37.0	46.4	36.5	2.4	1.9	.206	.184	81	84	SW	1	SW	1	7	3	—	Very bright day.	
7	.93	.89	35.2	36.7	42.3	32.8	1.1	1.9	.184	.182	90	84	SW	2	W	1	9	3	—	Very bright day.	
8	.97	.98	33.4	34.3	38.8	32.4	1.1	2.7	.168	.147	87	74	SE	3	NW	2	10	0	—	Dull a. Pleasant p.	
9	.57	.25	37.7	38.7	40.3	32.4	2.3	1.2	.183	.211	80	89	SW	3	SW	1	10	5	.11	Bright a., • later.	
10	.19	.25	34.4	34.7	39.7	33.2	0.5	0.6	.188	.188	94	93	SW	1	NW	2	10	10	.27	• 8a. Dull, with •.	
11	29.60	29.83	37.7	34.7	39.3	33.4	1.1	1.1	.204	.179	90	89	NE	1	NE	4	7	2	—	• 3a.—5a. Dull a.	
12	30.00	30.17	32.7	33.7	35.8	31.7	3.3	2.1	.120	.152	65	78	NE	3	NE	3	7	2	—	Cold and dry.	
13	.32	.39	33.2	31.0	39.9	30.4	3.1	1.4	.129	.140	68	80	NE	2	NE	2	10	2	—	Dull a. Fine p.	
14	.32	.18	28.9	38.2	38.5	24.3	1.3	0.7	.122	.216	77	94	NW	1	NW	1	10	10	.03	—, Dull. • 4p.	
15	.06	.01	43.0	38.5	48.5	38.2	1.3	2.3	.248	.188	89	81	W	1	SW	1	9	0	—	• 6a. Bright and mild.	
16	30.06	30.02	34.7	34.1	42.8	28.5	3.1	1.5	.144	.166	72	84	W	1	NW	1	7	0	—	Bright day.	
17	29.92	29.91	34.5	39.2	44.0	28.1	3.1	3.6	.142	.173	72	72	S	1	S	2	9	10	—	Dull a. Fine p.	
18	.81	29.83	38.9	33.7	43.4	33.7	3.0	2.1	.180	.152	76	78	S	1	SE	1	10	0	—	Pleasant day.	
19	29.92	30.12	34.3	34.0	46.4	29.8	3.5	2.7	.133	.145	67	73	SE	1	NE	2	0	0	—	Very pleasant day.	
20	30.10	.16	36.0	36.3	49.2	28.9	3.6	3.7	.147	.148	69	69	SE	3	NE	3	0	0	—	Very pleasant day.	
21	.23	.25	39.7	41.5	50.6	33.2	3.1	6.9	.184	.141	75	54	E	1	E	1	0	0	—	Very pleasant day.	
22	.30	.26	40.7	32.1	50.2	30.4	5.4	2.5	.156	.128	61	70	SE	1	SW	2	0	0	—	Pleasant day.	
23	.21	.09	33.4	29.7	43.7	23.6	4.1	1.1	.115	.134	60	82	W	1	W	1	0	0	—	Light mist a. and p.	
24	.14	.16	34.7	30.0	42.6	29.4	3.1	1.0	.144	.140	72	84	SE	2	E	1	4	0	—	Very bright day.	
25	.19	.19	33.7	33.9	35.9	27.3	2.5	3.0	.145	.138	74	71	NE	1	NE	2	10*	10	—	Dull. • 9a.—noon.	
26	.17	30.06	33.7	34.5	35.4	31.1	2.8	1.9	.140	.162	73	82	NE	2	NW	3	10	10	.01	Dull. •° at intervals.	
27	30.01	29.90	32.7	32.7	34.8	31.9	2.1	0.6	.162	.172	87	92	NE	1	W	1	10	10	—	*° ½ inch.	
28	29.65	29.62	31.7	30.5	35.4	30.5	0.3	1.9	.172	.123	95	72	Calm	0	NE	1	10	10	.01	Dull. *°	
M.	29.933	29.940	37.2	36.4	43.3	32.3	2.4	2.1	.178	.177	78	80		1.6	1.9	7.4	4.8	0.44	10.4	26.3	

SOUTHAMPTON, HAMPSHIRE, a.—FEBRUARY 1909.

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 Station Level and Latitude.		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	29.86	ins.	42.0	38.9	47.6	36.5	1.9	1.9	in.	in.	%	%	NW	†	NE	†	3	3	4	ins	hrs.	°		Fine. ☉ noon. Up.	
2	30.13	30.06	33.4	44.8	47.1	28.6	1.3	1.7	165	257	86	87	SW	2	SW	3	8	10	10	035	1.2	31		☉. Cloudy and misty.	
3	29.86	29.85	50.0	52.1	54.1	44.5	2.4	3.0	300	312	84	80	W	5	W	5	10	10	10	005	—	22		Dull and cloudy. U	
4	29.85	29.84	52.0	49.6	56.0	49.4	3.5	1.8	307	310	77	88	NW	4	SW	4	9	10	10	010	0.8	48		Cloudy and mild.	
5	29.70	30.05	47.1	40.1	51.1	39.9	3.9	2.5	236	199	73	80	NW	4	NW	4	1	1	1	—	6.9	33		Fine and sunny.	
6	30.13	12	36.0	35.5	48.0	33.4	0.8	0.7	197	195	93	94	NW	3	NE	3	1	0	10	—	3.9	26		☉. Fine day.	
7	29.09	00	35.1	41.9	45.0	28.5	2.1	4.0	163	190	79	72	NW	3	SE	4	4	10	10	—	1.3	23		☉. Cloudy day.	
8	30.13	30.11	37.6	34.8	42.3	33.8	2.1	1.8	186	166	82	82	ESE	5	ESE	4	4	000	000	—	—	29		Cloudy and cold.	
9	29.83	29.46	39.5	39.0	45.0	34.3	2.5	0.7	194	224	80	94	S	4	NW	3	10	000	8	100	0.2	29		☉. ☉ noon—2p.	
10	29.35	33.38	38.0	38.5	42.1	33.8	1.3	0.5	203	223	89	96	NW	4	NW	4	8	10	10	100	1.40	0.4	29		Dull, with ☉.
11	29.59	29.86	33.5	37.0	41.1	33.5	1.9	1.9	153	184	80	84	NE	4	NE	5	10	10	10	—	0.9	32		Dull day.	
12	30.03	30.16	33.0	31.0	38.1	30.7	3.0	2.1	129	125	69	71	NE	5	NE	5	0	0	0	—	8.3	28		Fine and bright.	
13	29.38	48	33.3	33.0	39.3	29.9	0.9	1.5	172	157	90	83	NE	4	NE	3	1	0	0	—	8.2	26		Fine day.	
14	29.47	31	29.0	38.2	41.0	26.0	0.1	1.2	157	207	98	90	NE	2	NW	2	10	10	10	008	2.8	19		☉. Fine.	
15	29.20	13	42.9	38.5	52.1	37.9	1.3	2.5	248	187	90	81	NW	2	NW	2	10	0	0	—	1.6	33		☉ 7a.—9a. Misty.	
16	29.17	30.12	36.8	32.2	42.6	30.8	2.6	2.1	171	137	78	75	NE	2	NE	2	0	0	0	—	4.7	23		☉. Fine.	
17	30.08	29.98	32.3	39.4	47.0	28.0	1.3	1.7	154	208	84	87	NE	3	SE	2	8	10	0	—	2.9	21		☉. Fine.	
18	29.96	29.95	41.8	35.6	45.1	34.8	3.6	2.1	195	170	74	81	SE	2	NE	4	0	0	0	—	6.7	25		☉. Fine day.	
19	30.03	30.16	36.5	38.2	45.1	29.3	2.4	2.6	172	181	79	79	NE	4	SE	3	0	000	0	—	8.7	25		☉. Fine and sunny.	
20	29.26	32	41.3	37.8	46.4	28.9	2.9	1.7	202	194	78	86	SE	4	NE	4	0	000	0	—	9.0	28		☉. Fine and sunny.	
21	29.38	41	44.0	39.2	50.1	35.5	2.9	4.2	226	162	78	69	SE	3	SE	2	0	000	000	—	8.9	28		☉. Fine and sunny.	
22	29.43	40	37.2	35.7	51.1	27.0	4.3	1.9	147	175	66	84	NE	3	NE	3	1	000	000	—	8.8	20		☉. Fine and sunny.	
23	29.33	21	32.0	35.9	50.3	23.6	2.0	2.8	137	160	75	76	ENE	2	NNW	2	1	2	000	—	6.9	16		☉. Fine and sunny.	
24	29.26	28	35.3	30.1	41.9	29.4	3.2	1.6	148	127	71	75	NE	4	NE	3	1	000	000	—	6.5	22		☉. Fine and sunny.	
25	29.26	29	34.1	33.0	36.3	26.7	1.4	1.9	169	149	85	79	NE	3	NE	4	10	000	10	—	—	18		Dull and cold.	
26	29.26	14	32.9	34.0	36.9	30.3	0.2	1.7	183	162	98	82	NE	4	NE	4	10	000	10	042	—	29		☉ ☉ (sleet) showers.	
27	30.11	30.02	32.0	33.2	36.0	29.4	0.6	1.1	167	167	92	88	NE	3	NE	4	10	000	10	050	0.5	28		☉ ☉. Dull and cold.	
28	29.79	29.73	31.6	29.8	34.7	29.1	0.1	0.2	176	160	99	97	NE	0.5	NE	2	10	000	10	035	0.2	25		☉ ☉ showers a. — p.	
M.	30.067	30.063	37.5	37.4	44.8	32.3	2.0	1.9	189	189	83	83	3.3	3.3	5.0	4.8	0.425	101	27.1						

PLYMOUTH, DEVONSHIRE, a.—FEBRUARY 1909.

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	29.94	30.03	43.0	42.3	47.0	37.4	1.4	1.0	247	249	89	92	W	12	—	3	10	0	—	1.5	29	Dull day.	
2	30.11	30.07	38.4	48.0	49.0	34.1	0.2	0.6	228	319	99	96	—	0	S	4	10	10	0.01	1.0	26	Dull day.	
3	29.96	29.94	51.0	52.4	53.0	47.4	1.5	0.9	336	343	90	88	W	19	SSW	17	10	10	—	41	—	Overcast.	
4	29.88	29.88	51.0	50.5	53.0	50.0	1.0	0.9	348	344	93	93	W	12	S	20	10	10	0.06	48	—	Dull, with ▲.	
5	29.83	30.06	47.4	42.0	50.5	41.8	3.0	1.2	258	241	80	91	W	18	—	1	4	10	—	7.1	40	Dull and bright.	
6	30.10	30.07	34.8	39.3	46.1	33.1	0.2	1.9	198	204	98	85	0	—	2	0.2	0	—	2.1	21	Fine, but cloudy.		
7	29.96	29.84	44.2	44.7	44.7	35.4	3.2	3.5	222	221	76	74	SE	22	E	22	10	10	—	27	40	Dull and overcast.	
8	96	30.01	42.3	39.4	46.6	39.0	3.9	0.2	194	237	72	99	E	18	ENE	12	0	—	7.8	34	—	Fine and sunny.	
9	70	29.51	46.0	39.7	49.9	37.9	0.3	0.8	304	228	98	93	S	25	SW	13	10	10	0.32	3.2	30	▲ ● showers.	
10	43	39	41.1	42.5	45.2	36.9	3.3	3.1	193	209	76	77	W	16	NNW	10	0	—	0.3	8.2	30	Fine and bright. Cold.	
11	60	29.84	40.6	38.4	43.5	37.0	2.6	2.6	201	183	80	79	N	22	NNW	9	8	0	—	6.2	30	Sunny day. Cold.	
12	29.99	30.13	35.7	33.5	39.6	32.9	2.9	3.3	156	129	74	68	N	16	NNW	14	2	0	—	7.7	27	Fine day. Cold wind.	
13	30.30	42	34.5	35.4	43.2	29.3	2.3	2.0	156	169	78	82	N	15	NNE	8	0	—	8.0	23	—	Fine and bright.	
14	44	33	32.7	39.6	44.2	27.0	1.0	1.2	165	219	88	90	N	4	NNW	10	0	—	8.6	16	—	Fine and bright.	
15	23	16	40.4	40.4	49.5	38.5	1.0	1.4	265	222	92	89	NW	8	NW	6	10	0	—	2.4	33	—	Dull, then fine.
16	16	30.11	36.0	38.4	46.5	33.4	1.0	2.9	193	178	91	77	—	3	—	2	0	—	4.2	22	—	Fine day.	
17	30.01	29.91	39.0	41.8	45.1	35.5	2.7	3.1	186	204	79	78	E	8	E	8	10	9	—	27	—	Very dull.	
18	29.82	29.80	41.6	40.2	45.0	35.6	3.4	1.8	197	213	75	86	SE	22	ENE	15	8	0	—	6.0	27	—	Dull a., then fine.
19	29.85	30.00	42.0	40.6	46.3	36.2	3.0	1.2	207	227	78	90	E	16	NE	13	0	—	9.0	27	—	Fine and bright.	
20	30.09	16	44.0	43.0	50.9	37.3	2.0	1.0	244	255	84	92	E	14	NE	18	0	—	9.0	30	—	Fine and bright.	
21	22	28	47.6	42.0	50.4	40.8	1.5	2.1	293	223	90	84	NE	14	NE	15	0	—	9.0	31	—	Fine and bright.	
22	31	31	42.3	39.9	49.3	36.7	2.9	2.3	211	201	79	82	NE	5	NE	9	0	—	8.5	28	—	Fine and bright.	
23	27	18	35.0	37.0	51.0	32.9	2.0	1.0	164	200	80	91	—	0	—	3	0	—	6.1	17	—	↘ a. Fine day.	
24	17	20	37.1	35.0	51.0	34.9	2.1	2.8	181	151	82	74	E	8	—	2	6	0	—	4.8	22	—	Fine day.
25	27	26	30.8	36.2	37.1	28.6	1.9	3.6	128	150	73	70	N	10	N	13	10	0	—	2.5	15	—	Cloudy and cold.
26	26	17	32.8	37.0	38.3	31.1	3.9	3.0	113	165	60	75	N	12	NW	10	10	0	—	0.5	26	—	Dull day.
27	30.10	30.03	34.6	33.5	38.8	32.4	1.6	2.3	169	147	84	77	N	14	N	6	9	0	—	2.4	29	—	* (sleet) * shower.
28	29.73	29.65	35.4	34.4	43.2	31.0	1.4	2.6	180	149	87	75	—	1	N	11	0	8	—	3.6	21	—	Sunny a., then dull.
M.	30.026	30.026	40.2	40.3	46.4	35.9	2.0	2.0	212	214	83	84	12	—	4.9	2.8	0.43	129	27.8				

* Miles per hour.

† Beaufort Scale (0—12).

‡ No record.

ARMAGH, a.—FEBRUARY 1909.

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 Station Level and Latitude.		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.		ins.	hrs.	°
1	ins.	ins.	41°	42°	48°	39°5	0°7	2°6	242	214	94	81	—	2	—	2	8	10	—	1°6	35	Overcast. Overcast, with ☉. Overcast, with ☉. <

DUBLIN (PHENIX PARK), a.—FEBRUARY 1909.

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 Station Level and Latitude.		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.	Min.		
1	ins.	ins.						in.	in.	%	%	W	*	W	*			ins.	hrs.		
2	29.90	30.02	42.5	38.1	46.6	34.1	0.8	1.0	254	209	94	91	W	6	W	4	10	10	0	Cloudy day.	
3	29.93	30.06	44.3	39.7	48.3	35.7	1.6	3.0	256	211	88	80	SW	11	WSW	20	10	10	0	Overcast.	
4	29.95	30.08	45.1	40.5	49.1	36.5	2.0	3.4	257	212	87	95	WSW	25	WSW	19	10	10.0	0	Overcast, with ☉.	
5	29.98	30.11	45.1	40.5	49.1	36.5	2.0	3.4	257	212	87	94	WSW	21	SW	13	10	9	0	Cloudy, with ☉.	
6	29.82	30.02	41.4	37.6	52.8	37.4	1.9	1.0	222	206	86	91	W	7	W	5	2	1	0	Fine.	
7	30.05	29.98	39.9	29.7	46.6	28.7	0.2	0.9	241	241	99	85	W	5	—	1	10	0	0	Overcast.	
8	29.78	75	44.4	42.9	45.4	28.3	3.3	2.2	222	230	76	84	SE	11	SE	17	10	10	0	Overcast.	
9	29.93	85	42.5	43.2	47.1	41.4	2.5	4.5	220	190	81	68	SE	8	S	8	8	7	0	Fine day.	
10	44	32	42.5	35.9	46.1	34.3	1.4	1.2	241	190	89	90	W	9	W	11	4	10.0	0	Fine. ☉ p.	
11	41	29.53	33.3	39.0	45.6	31.8	0.8	1.1	191	216	93	91	W	7	NNW	10	1	10	0	Bright day. ☉ p.	
12	29.85	30.03	40.6	39.2	41.9	38.4	2.9	3.1	197	181	78	76	NE	10	NE	6	10	10	0	Cloudy day.	
13	30.18	30.30	37.5	36.4	39.2	35.6	3.9	3.5	155	153	69	71	E	7	ENE	5	10	7	0	Cloudy day.	
14	45	49	38.0	26.1	40.0	24.9	3.1	0.8	171	115	74	81	E	4	—	0	10	0	0	☉ a. and p. Overcast.	
15	45	33	30.1	36.6	39.1	23.0	0.9	1.4	144	198	85	88	E	6	W	9	7	10	0	Fine day.	
16	24	18	43.7	33.7	47.9	33.5	0.6	0.7	271	180	95	92	WSW	5	—	2	10	0	0	☉ 5.30 a. — 7 a. Fine.	
17	30.14	30.31	39.3	47.3	25.7	2.1	1.1	155	219	78	92	—	2	—	1	0	10	0	0	0	Bright a., then cloudy.
18	29.88	29.74	34.2	42.5	47.2	37.9	2.5	1.9	192	232	80	85	SW	4	SSE	5	9	3	0	Cloudy day.	
19	73	79	43.5	41.9	47.8	38.4	2.8	3.2	223	204	78	77	SE	9	SE	5	10	10	0	Cloudy day.	
20	29.87	29.89	40.5	40.2	44.8	33.7	2.9	2.2	195	205	78	83	SE	6	SE	5	6	0	0	Bright day.	
21	30.00	30.02	45.4	46.3	51.8	34.7	2.9	2.6	240	235	80	82	SE	5	S	15	5	0	0	Cloudy a., then bright.	
22	06	12	49.0	47.4	52.8	44.0	3.3	4.1	270	256	77	73	S	7	SE	8	7	10	0	Fine day.	
23	20	28	47.6	37.4	51.9	36.7	4.5	0.5	230	214	70	96	SSE	6	—	1	10	3	0	☉ a. and p. Overcast.	
24	26	19	36.1	36.9	50.7	30.9	0.4	0.2	205	215	96	98	—	0	—	1	7	3=	0	Fine day.	
25	13	16	41.5	41.0	45.2	35.8	0.3	0.5	255	246	98	96	—	2	—	2	7	10	0	Overcast.	
26	26	31	39.1	38.6	42.7	37.3	0.1	2.0	237	196	99	84	—	0	E	6	10	10	0	Overcast.	
27	35	33	37.5	35.5	39.1	34.5	2.8	1.8	173	174	77	84	E	4	N	7	10	10	0	Overcast.	
28	30.22	30.03	34.6	39.9	45.0	29.7	1.4	0.6	173	234	86	95	NW	4	NNW	4	9	10.0	0	Cloudy.	
	29.75	29.77	36.6	36.4	40.6	34.1	0.7	1.8	203	182	94	84	N	6	NE	10	10.0	7	0	☉ (sleet)	
M.	29.979	29.971	41.1	39.9	46.5	35.1	1.9	1.8	222	215	85	86	7	7	7.9	6.8	0.678	80	—		

BIRR CASTLE, KING'S COUNTY, a.b.—FEBRUARY 1909.

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	29.89	29.98	42.7	42.9	45.7	35.3	0.8	1.6	257	242	93	87	W	2	Calm	0	10	—	—	—9.30 a. Cloudy.		
2	91	75	44.5	50.0	51.8	37.7	0.8	1.9	275	312	94	87	SW	1	W	5	10	003	—	Overcast. Squally, with ● n.		
3	57	60	51.9	52.1	52.3	48.8	1.0	1.2	359	357	93	91	W	6	W	6	10	006	—	Overcast, with ●.		
4	60	44	51.7	51.7	52.7	49.8	0.9	1.0	360	357	94	93	WSW	5	WSW	2	10	028	—	Overcast, with ● showers.		
5	83	99	41.6	38.7	52.7	38.7	1.6	1.0	229	216	88	92	WNW	2	SW	2	1	10	—	4.5	Cloudy.	
6	99	86	32.5	42.6	48.7	31.1	0.5	1.7	174	237	95	87	W	1	S	3	1	10	007	6.1	Fine.	
7	61	58	46.0	45.3	47.7	41.8	0.9	1.4	289	270	94	89	S	4	S	4	10	010	—	● showers.		
8	84	69	42.9	42.7	46.8	41.4	1.1	0.8	253	257	91	93	S	1	SSW	6	3	10	260	2.3	● (sleet) showers.	
9	46	35	41.8	34.8	44.8	32.0	1.3	0.8	238	186	90	92	W	2	W	3	3	10	087	2.0	● showers.	
10	43	54	37.9	39.0	45.7	33.4	0.8	1.2	211	214	93	90	W	2	NNW	3	8	7	081	4.7	Cloudy.	
11	29.81	29.97	31.7	36.7	42.8	28.8	0.7	0.8	162	202	91	93	NNW	1	Calm	0	6	10	—	4.2	Cloudy.	
12	30.09	30.24	36.5	29.7	39.8	27.8	1.5	0.8	187	144	87	87	NE	1	NE	2	10	10	—	1.3	Cloudy.	
13	38	45	25.8	27.7	40.8	21.8	0.3	0.8	130	127	83	84	Calm	0	NE	1	0	4	—	6.3	Fine, but very cold.	
14	45	32	22.5	47.8	47.9	18.6	0.5	1.8	103	288	86	87	N	1	S	2	10	10	003	—	Overcast and very cold.	
15	22	30.14	44.9	43.7	47.8	36.7	0.8	0.9	278	265	94	92	W	1	W	1	10	10	—	—	Overcast, with ● showers.	
16	30.10	29.96	41.5	42.7	45.8	39.1	0.6	0.6	250	261	95	95	Calm	0	W	2	10	10	023	—	Overcast.	
17	29.80	64	41.7	42.7	49.3	39.0	2.0	1.7	223	237	86	86	NNW	2	SSE	2	10	8	—	2.6	Cloudy.	
18	61	69	44.0	42.5	45.7	38.8	1.2	2.7	261	216	90	80	SE	3	SE	2	10	10	003	—	Overcast.	
19	75	75	41.7	39.7	45.8	38.2	2.0	0.8	223	228	86	93	SE	3	SE	4	10	8	—	2.4	Cloudy.	
20	85	87	46.9	46.7	51.7	39.2	2.1	1.7	272	279	86	88	SSE	3	S	4	1	10	—	5.0	Cloudy and very cold.	
21	29.92	29.99	48.8	47.7	52.8	38.8	1.9	0.6	300	315	86	96	SSE	4	S	3	9	10	153	0.1	Overcast and cold.	
22	30.10	30.21	47.9	45.9	49.7	44.1	0.9	1.3	310	280	94	92	S	3	S	2	10	10	023	—	Overcast, with ● showers.	
23	19	14	44.0	35.3	51.7	33.7	1.9	1.3	246	181	85	88	S	1	S	2	9	10	—	6.2	Cloudy and mild.	
24	09	11	29.0	38.7	46.7	24.8	0.7	0.6	139	223	88	95	Calm	0	S	1	8	10	—	3.0	Cloudy.	
25	17	20	40.3	43.1	48.7	35.0	1.3	1.0	223	256	90	92	SSE	1	Calm	0	1	10	017	—	Overcast.	
26	29	30	36.7	35.1	43.7	33.4	0.8	1.3	202	179	93	87	S	1	NE	1	10	10	—	—	Overcast.	
27	30.22	30.04	32.2	39.7	42.7	26.2	1.5	0.9	149	226	81	92	E	1	Calm	0	4	10	221	7.0	● at night.	
28	29.72	29.72	35.9	32.9	41.1	31.8	0.3	1.0	205	166	97	89	N	1	NE	2	10	6	041	—	—	Overcast, with ● showers.
M.	29.924	29.911	40.2	41.4	47.3	35.2	1.1	1.2	232	240	90	90	1.9	2.3	7.6	9.4	0.966	58	—			

* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—FEBRUARY 1909.

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.†					
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.
	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	31, 15	—	32, 26	5	29, 10	30, 12	27, 8	27, 7	31, 15	14	27, 12	30, 10	30, 6	—	2	27, 12
2	22, 19	20, 15	23, 28	21	23, 10	23, 15	23, 19	21, 21	23, 21	19	22, 7	23, 10	22, 10	22, 13	22, 16	22
3	24, 14	24, 23	24, 32	24	23, 21	24, 26	25, 15	24, 12	24, 28	12	23, 19	23, 21	23, 18	23, 15	23, 24	15
4	27, 18	27, 4	25, 29	1, 2	24, 9	24, 7	23, 4	22, 4	23, 15	4	23, 16	24, 17	24, 18	23, 14	24, 21	16
5	28, 18	28, 7	28, 18	13, 14	25, 8	25, 17	27, 11	27, 12	23, 26	7	24, 25	28, 25	28, 14	26, 11	25, 27	10
6	30, 6	—	26, 12	4	26, 8	31, 10	32, 4	29, 4	32, 10	13, 14	24, 7	28, 8	28, 6	27, 4	26, 10	10, 11
7	14, 33	14, 34	14, 35	17	21, *	18, 12	19, 7	19, 7	—	—	—	2	8, 10	11, 20	11, 18	18
8	17, 20	17, 18	15, 28	1	18, 15	18, 15	18, 16	19, 15	18, 20	24	12, 12	13, 9	14, 17	14, 19	14, 19	21
9	15, 20	16, 12	15, 31	9	17, 15	16, 12	20, 10	21, 7	16, 17	12	15, 20	16, 19	16, 15	20, 10	15, 21	10
10	10, 12	10, 14	11, 18	11	—	3	29, 7	6, 18	7, 25	22	—	2	2, 4	6, 11	7, 20	24
11	9, 11	11, 9	11, 14	10	6, 23	6, 21	6, 15	—	—	—	6, 25	5, 26	5, 32	5, 35	5, 35	21
12	15, 10	19, 7	12, 13, 15, 16	2, 4, 6, 9, 10	8, 17	5, 13	5, 11	6, 12	8, 19	6	5, 34	4, 36	4, 33	4, 32	5, 37	5
13	22, 14	21, 17	22, 26	24	31, 7	—	3	26, 7	27, 9	22	4, 21	3, 11	31, 7	30, 6	4, 29	1
14	24, 33	26, 30	24, 34	14	25, 13	24, 15	25, 14	25, 13	24, 18	16	25, 5	27, 7	25, 4	24, 7	25, 8	22, 24
15	29, 25	28, 18	27, 37	4	24, 8	29, 12	28, 9	29, 11	28, 31, 15	11, 12, 15	28, 7	28, 12	27, 10	29, 10	28, 12	14, 15
16	30, 12	30, 4	29, 22	5	27, 8	28, 10	28, 6	27, 7	28, 12	12	25, 11	27, 13	27, 10	28, 7	27, 15	15
17	18, 8	17, 5	18, 9	12	25, 4	26, 4	19, 4	22, 5	27, 18, 8	1, 16	27, 4	—	3	—	27, 8	1, 2
18	16, 11	17, 9	16, 12	11, 14, 15	21, 9	20, 9	19, 10	20, 9	19, 18, 11	14, 15, 17	—	2	19, 6	14, 4	12, 7	12, 10
19	17, 15	16, 11	16, 21	24	19, 10	17, 17	17, 17	17, 14	17, 17	13, 18	11, 18	11, 10	12, 7	12, 4	11, 18	9, 10
20	16, 18	16, 14	16, 23	1, 2	19, *	18, 7	20, 14	19, 15	—	—	14, 8	14, 10	14, 8	14, 5	14, 12	16
21	14, 21	15, 18	16, 22	9, 14	19, 15	17, 12	18, 10	19, 11	19, 18	8	14, 5	14, 5	—	3	2	1, 3, 11, 14
22	17, 14	19, 4	16, 18	1	19, 12	20, 13	21, 8	21, 6	—	—	—	1	—	2	27, 4	24
23	27, 4	31, 4	24, 26, 27, 5	1, 4, 12, 14	—	2	31, 6	32, 11	3, 4	18, 19	—	3	7, 12	9, 10	7, 14	14
24	13, 16	14, 10	16, 17	24	16, 9	14, 11	12, 13	13, 8	15, 12, 15	12, 16	8, 18	7, 13	6, 15	4, 19	4, 22	23
25	13, 20	12, 14	14, 13, 20	9, 13	7, 8	7, 12	8, 15	7, 9	8, 15	18	4, 26	7, 26	6, 15	5, 18	4, 29	11, 12
26	—	3, 1, 5	27, 8	24	4, 11	6, 12	4, 10	5, 7	7, 18	23	3, 19	4, 26	4, 26	5, 27	5, 29	17
27	1, 23	32, 18	32, 26	11	1, 8	1, 4	29, 4	27, 4	5, 13	2, 3	3, 22	6, 15	6, 10	7, 10	4, 26	7
28	3, 21	1, 24	—, 28	20, 21	4, 10	3, 11	4, 10	1, 10	1, 13	30	—	3	7, 10	4, 16	5, 23	23

PLYMOUTH.§					DOVER.§						SCILLY.‡§					
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 Max.
	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.	Hour.
1	—	*	—	124	21	23	15	—	33	12. 15	28, 18	29, 21	30, 15	32, 8	—	36
2	—	9	—	126	—	10	13	—	31	22. 30	27, 7	24, 18	24, 22	24, 20	—	32
3	—	17	—	34	—	22	26	—	39	18. 25	24, 33	24, 34	24, 32	24, 30	—	49
4	—	15	—	37	—	16	22	—	32	14. 15	23, 30	23, 29	23, 29	23, 27	—	48
5	—	20	—	40	—	23	37	—	57	11. 45	29, 26	30, 20	31, 8	32, 5	—	50
6	—	3	—	8	—	23	12	—	22	14. 35	—	3	16, 5	14, 6	—	23
7	—	25	—	32	—	13	—	—	17	19. 0	15, 24	15, 27	14, 33	13, 35	—	48
8	—	22	—	32	—	1	7	—	17	18. 45	11, 20	11, 18	11, 18	12, 18	—	41
9	—	12	—	37	—	9	7	—	17	17. 20	26, 33	26, 35	25, 42	28, 35	—	71
10	—	18	—	39	—	22	26	—	41	0. 10	28, 37	29, 35	30, 35	31, 33	—	65
11	—	21	—	39	—	9	8	—	19	0. 10	3, 24	3, 22	4, 19	4, 16	—	43
12	—	16	—	35	—	19	24	—	38	23. 40	3, 18	4, 18	4, 19	5, 16	—	28
13	—	14	—	37	—	33	35	—	54	15. 15	7, 15	7, 12	6, 11	8, 14	—	24
14	—	13	—	26	—	25	25	—	44	0. 50	—	13	12, 16	9, 11	—	28
15	—	13	—	27	—	12	5	—	21	3. 25	—	3	31, 9	32, 15	—	29
16	—	6	—	14	—	13	19	—	33	22. 50	32, 13	32, 11	2, 9	2, 10	—	23
17	—	14	—	22	—	13	—	—	30	2. 40	3, 6	10, 6	—	1	—	14
18	—	11	—	22	—	13	—	—	15	8. 50	15, 9	16, 14	15, 23	15, 20	—	34
19	—	22	—	33	—	9	5	—	21	22. 5	13, 24	12, 19	11, 26	11, 25	—	30
20	—	24	—	38	—	1	6	—	20	7. 40	10, 24	10, 29	10, 21	11, 20	—	36
21	—	18	—	30	—	10	5	—	19	2. 35	12, 21	12, 25	13, 27	13, 24	—	36
22	—	18	—	30	—	5	6	—	15	23. 0	13, 25	12, 22	12, 22	12, 20	—	37
23	—	11	—	18	—	4	8	—	15	12. 5	12, 16	9, 11	8, 11	—	—	31
24	—	4	—	25	—	13	11	—	20	8. 20	9, 13	10, 14	9, 5	—	—	19
25	—	12	—	25	—	13	—	—	26	23. 45	10, 10	10, 18	10, 13	9, 12	—	23
26	—	14	—	28	—	15	15	—	38	10. 30	8, 6	8, 8	5, 12	8, 11	—	24
27	—	10	—	28	—	19	19	—	36	15. 25	4, 12	7, 15	3, 15	3, 16	—	38
28	—	3	—	19	—	11	—	—	—	—	5, 19	7, 16	4, 16	5, 6	—	40
											30, 7	9, 14	9, 12	8, 15	—	26

ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.§					HOLYHEAD.†§						
Date.	18h.	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	32, 12	31, 4	28, 14	6	28, 18	1, 17	3, 5	16, 5	—	29	29, 22	31, 18	31, 11	29, 7	—	37
2	22, 15	23, 16	22, 20	22	22, 19	22, 22	21, 23	22, 31	—	42	22, 10	21, 17	20, 19	19, 21	21, 18	13, 25
3	22, 19	22, 21	22, 25	3	22, 37	22, 34	22, 31	22, 32	—	50	9. 15	20, 22	21, 26	21, 24	21, 19	4, 15
4	22, 19	22, 14	22, 21	3	22, 30	23, 33	22, 23	22, 29	—	45	3. 10	19, 17	21, 18	19, 18	20, 21	20, 45
5	26, 12	25, 11	25, 27	6	28, 33	28, 25	26, 17	26, 22	—	03	5. 40	28, 32	28, 26	28, 19	28, 21	4. 0
6	—	1	—	3	26, 5	7	—	3	—	30	0. 40	28, 6	27, 8	—	2	1. 5
7	13, 10	—	13, 12	22	12, 11	13, 13	12, 15	12, 14	—	22	16. 15	14, 21	14, 23	14, 21	15, 21	13, 25
8	15, 9	16, 7	15, 9	5, 12, 13, 20	14, 16	14, 17	13, 13	13, 13	—	28	11. 45	17, 12	16, 14	16, 11	16, 16	23, 10
9	15, 14	23, 8	15, 14	13	13, 17	15, 16	24, 19	27, 20	—	34	16. 55	15, 21	23, 23	24, 24	25, 28	19, 25
10	28, 5	3, 4	24, 31	9	29, 20	29, 24	1, 14	3, 11	—	33	14. 50	28, 33	28, 32	1, 30	3, 23	5. 40
11	3, 10	3, 7	4, 10	15	4, 18	4, 20	5, 17	4, 11	—	32	12. 10	4, 24	4, 26	5, 22	5, 19	5. 40
12	7, 12	7, 8	7, 12	13, 15	7, 14	7, 16	6, 13	7, 15	—	36	10. 50	7, 20	7, 21	6, 16	7, 19	9. 50
13	—	3	—	6	1, 6	32, 9	31, 7	28, 7	—	20	23. 20	7, 12	6, 15	5, 6	—	4. 20
14	22, 6	23, 4	24, 11	23	25, 7	23, 14	25, 11	24, 18	—	24	2. 50	24, 12	26, 15	26, 21	27, 21	16. 50
15	25, 8	25, 9	26, 13	14	27, 18	27, 20	27, 23	28, 22	—	33	6. 40	30, 14	29, 15	30, 12	31, 15	8. 20
16	25, 4	28, 6	28, 6	15, 18	23, 8	27, 12	27, 8	—	—	15	14. 0	31, 14	29, 7	30, 7	31, 5	0. 20
17	—	2	—	2	13, 9	14, 8	16, 7	14, 5	—	13	10. 0	16, 8	16, 15	17, 13	15, 13	17. 55
18	17, 10	—	17, 10	13	12, 12	14, 15	13, 9	12, 7	—	21	13. 25	15, 13	15, 15	16, 8	12, 7	5. 0
19	—	2	4, 4	4	12, 11	12, 15	12, 10	12, 11	—	22	12. 55	14, 4	12, 4	15, 10	15, 5	24. 45
20	14, 12	—	14, 13	15	12, 13	13, 14	13, 13	12, 11	—	27	1. 40	15, 15	14, 17	16, 12	15, 15	1. 5
21	15, 12	12, 5	14, 12	15	13, 16	13, 18	13, 10	12, 13	—	27	14. 25	15, 18	15, 20	15, 15	15, 12	10. 50
22	—	3	—	0	13, 16	13, 11	13, 8	12, 10	—	23	9. 50	16, 15	17, 12	20, 4	—	0. 0
23	—	1	—	5	—	3	—	3	9, 4	—	10	15. 40	—	2	3, 6	13. 20
24	8, 5	4, 4	8, 5	7, 8	10, 14	13, 11	11, 9	9, 10	—	22	11. 15	8, 4	10, 7	18, 9	19, 8	15. 40
25	7, 6	7, 5	8, 7	20, 21	4, 5	4, 7	1, 11	1, 9	—	18	18. 5	9, 18	7, 18	8, 10	8, 12	9. 50
26	32, 11	3, 4	32, 2, 11	13, 14	32, 13	31, 18	32, 12	32, 11	—	27	16. 15	6, 14	2, 17	3, 24	3, 26	20. 50
27	—	1	—	1	32, 14	31, 11	32, 10	—	—	16	8. 55	4, 24	3, 20	1, 23	2, 16	2. 5
28	5, 5	2, 7	8, 7	20	8, 6	5, 11	7, 12	7, 11	—	24	16. 20	4, 17	6, 21	6, 16	6, 21	23. 0

GLASGOW.†					KINGSTOWN.†							ROCHES POINT.§						
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.	V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	hr. min.		
2	— 3	— 2	1, 7	9	24, 21	26, 13	— 2	23, 8	22, 26	1, 3	— 19	— 15	— 16	— 21	— 30	10. 55		
3	21, 18	22, 19	22, 22	17, 21	22, 23	* 27	21, 30	21, 29	21, 34	19	— 7	— 15	— 20	— 22	— 37	20. 30		
4	24, 22	24, 13	24, 23	11, 12	22, 40	22, 32	22, 40	22, 36	22, 43	7	— 29	— 25	— 20	— 21	— 40	3. 50		
5	23, 10	23, 4	23, 15	2	22, 37	22, 40	19, 15	19, 15	22, 40	13	— 20	— 18	— 24	— 24	— 40	18. 30		
6	26, 12	27, 13	27, 13	18	24, 26	27, 24	24, 13	23, 16	24, 37	2	— 16	— 22	— 9	— 8	— 51	1. 25		
7	— 2	20, 4	24, 14	1, 23	25, 10	26, 4	14, 5	14, 7	24, 13	1, 6	— 5	— 15	— 22	— 24	— 38	23. 10		
8	10, 7	12, 5	12, 8	3, 17	14, *	14, 27	14, 27	14, 25	14, 29	17, 19	— 34	— 42	— 40	— 35	— 55	14. 35		
9	17, 10	17, 7	17, 10	13, 14, 22, 23	15, 11	17, 11	16, 11	17, 15	14, 22	2	— 17	— 13	— 20	— 23	— 42	0. 20		
10	17, 7	23, 7	17, 14	3	23, 23	22, 30	22, 29	23, 29	22, 32	19	— 17	— 30	— 26	— 24	— 56	14. 30		
11	32, 10	3, 6	32, 2, 10	14, 15, 16	23, 25	25, 22	27, 23	30, 20	22, 29	3, 5	— 23	— 30	— 34	— 31	— 50	15. 20		
12	5, 10	6, 7	5, 4	2, 4, 7, 13	3, 28	4, 27	3, 21	3, 21	4, 32	11	— 15	— 20	— 11	— *	— 37	0. 35		
13	10, 10	8, 7	8, 10, 10	10, 11, 13	6, 23	6, 17	5, 19	7, 18	6, 23	9	— 12	— 11	— 5	— 10	— *	—		
14	25, 7	23, 10	24, 10	14, 18	6, 8	6, 5	1, 6	24, 6	7, 15	2	— 12	— 7	— 9	— 10	— 17	9. 55		
15	24, 14	25, 13	27, 15	23	22, 24	23, 23	22, 24	23, 26	23, 26	21	— 12	— 17	— 24	— 13	— 33	17. 35		
16	25, 12	27, 7	27, 18	3	26, 14	29, 10	27, 10	26, 12	23, 25	3	— 20	— 20	— 13	— 8	— 28	11. 10		
17	25, 7	— 2	25, 7	14	24, 9	— 3	3, 15	4, 24	16, 16	3	— 0	— 0	— 1	— *	— 17	23. 35		
18	17, 6	17, 5	18, 8	16	16, 7	13, 9	16, 15	15, 16	15, 16	21, 22	— 23	— 24	— 21	— 20	— 31	11. 55		
19	20, 7	— 2	20, 7	13	16, 12	14, 12	15, 13	13, 15	15, 19	6, 7	— 30	— 30	— 24	— 26	— 40	4. 20		
20	16, 5	15, 4	14, 7	14, 15	14, 19	14, 19	16, 12	15, 20	15, 24	23	— 27	— 26	— 25	— 28	— 37	21. 30		
21	— 2	13, 5	16, 7	15, 16	14, 21	15, 25	14, 19	14, 25	15, 27	20	— 26	— 27	— 28	— 29	— 43	22. 35		
22	18, 10	17, 5	16, 12	14, 15	14, 16	13, 15	14, 15	15, 23	15, 26	23	— 34	— 28	— 30	— *	— 45	3. 5		
23	20, 5	— 3	21, 7	16	15, 20	16, 7	— 2	— 1	15, 26	1	— *	— 17	— 8	— 10	— *	—		
24	6, 7	8, 6	8, 8	14, 23	— 0	12, 7	8, 5	— 1	12, 8	14	— 8	— 10	— 6	— *	— 16	14. 35		
25	6, 9	6, 7	6, 10	11, 14	3, 4	6, 6	29, 5	25, 4	2, 9	14	— *	— 8	— 6	— 1	— *	—		
26	8, 5	7, 6	7, 8	16	— 2	12, 12	8, 13	8, 13	9, 15	14	— 9	— 6	— 8	— 12	— 18	21. 0		
27	3, 7	2, 4	3, 10	14	5, 19	4, 17	1, 18	30, 19	4, 20	12	— 11	— 11	— 14	— 14	— 24	19. 10		
28	29, 4	32, 4	32, 10	1	24, 13	32, 17	28, 9	29, 12	31, 21	17	— 25	— 19	— 20	— 14	— 33	8. 45		
29	4, 10	4, 8	6, 11	14	31, 18	4, 21	5, 24	4, 30	4, 31	23	— 13	— 12	— 9	— 16	— 24	16. 10		

* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2. § Dines Pressure Tube Anemometer.
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), ARMAUGH.—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.
Particulars of the heights of the Anemometers above the ground will be given in the Introduction.

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

DEERNES, ORKNEY, a.b.—MARCH 1909.

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.				
	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.										
1	ins.	ins.	34.0	30.6	37.0	30.0	1.4	0.6	168	156	85	91	N	12	N	20	9*	10*	ins.	hrs.	0	*▲ a. *² p.
2	29.73	29.38	34.0	30.6	37.0	30.0	1.4	0.6	168	156	85	91	N	12	N	20	9*	10*	15	0.9	—	*† till noon.
3	29.18	29.18	34.0	30.6	37.0	30.0	1.4	0.6	168	156	85	91	N	12	N	20	9*	10*	25	0.5	—	*▲ a. and p. ☐
4	29.28	29.28	34.0	30.6	37.0	30.0	1.4	0.6	168	156	85	91	N	12	N	20	9*	10*	17	—	—	*☐☐☐

TILLYPRONIE, ABERDEENSHIRE.—MARCH 1909.

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.
							Dep. of Wet.		Vapour Pressure.									
	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.	28.62	28.38	32.5	27.2	34.0	26.0	0.7	0.4	ins.	ins.	ins.	hrs.	22	22	* 2	
2	28.16	28.13	27.8	25.5	34.2	23.1	0.6	0.7	1.33	1.14	88	83	N	4	N	6	10	0
3	28.14	28.21	27.5	25.2	34.8	22.5	0.5	0.4	1.34	1.22	90	90	NW	4	NW	1	8	4
4	28.24	28.25	26.1	24.8	34.8	20.5	1.5	0.9	0.98	1.11	68	78	N	1	N	2	5	6
5	28.25	28.28	26.5	24.0	34.8	18.8	3.2	0.5	1.54	0.93	48	85	N	1	N	1	6	7
6	28.26	28.23	26.8	23.0	34.8	16.5	1.6	0.5	0.71	1.61	60	92	N	4	SE	6	2	6
7	28.14	28.24	31.5	32.5	33.0	27.2	0.5	0.7	1.65	1.70	93	91	N	10	SE	6	10	10
8	28.52	28.72	32.0	31.5	34.1	30.1	0.2	0.3	1.77	1.71	97	96	NE	8	NE	3	10	10
9	28.78	28.79	31.5	30.2	32.0	28.5	1.3	0.7	1.47	1.50	82	89	E	6	E	4	10	10
10	28.81	28.88	31.2	30.2	33.0	28.5	0.7	1.1	1.58	1.40	90	83	E	4	NE	4	10	5
11	28.92	28.95	31.5	30.0	31.5	29.2	1.3	0.5	1.47	1.53	82	92	NE	1	NE	2	9	0
12	28.80	28.80	35.2	30.9	32.0	28.0	0.7	1.1	1.92	1.45	93	84	NW	4	NW	4	7	8
13	28.62	28.44	34.8	31.0	39.0	29.0	0.8	1.0	1.86	1.48	92	85	N	4	N	8	10	2
14	28.32	28.15	32.3	29.0	32.5	25.0	0.3	0.9	1.77	1.33	97	84	N	6	N	6	10	2
15	28.23	28.28	31.2	26.0	39.0	21.0	0.7	0.5	1.58	1.24	90	88	N	1	N	2	5	0
16	28.28	28.27	29.0	23.0	40.0	22.2	0.9	0.8	1.33	0.94	84	77	N	3	N	1	7	0
17	28.17	28.05	27.5	32.0	39.5	19.2	1.7	1.0	1.01	1.57	68	87	NW	1	SE	9	2	8
18	28.03	27.90	30.8	35.0	40.0	20.5	0.8	0.5	1.52	1.04	88	95	S	1	SE	5	9	10
19	27.98	28.06	35.2	34.0	39.8	23.0	0.7	0.5	1.92	1.86	93	95	SE	4	SE	1	10	0
20	28.17	28.17	37.8	36.2	40.0	32.5	0.8	1.2	2.10	1.91	93	89	SE	1	SE	1	10	10
21	28.29	28.32	31.5	35.2	39.8	30.0	0.5	1.2	1.65	1.82	93	88	SE	1	SE	1	10	0
22	28.39	28.45	39.8	35.0	48.0	31.0	1.8	0.5	2.09	1.94	86	95	SE	1	SE	2	6	0
23	28.55	28.59	36.0	33.5	45.8	32.0	1.8	1.3	1.79	1.65	84	86	SE	1	SE	2	6	0
24	28.41	28.06	34.0	35.5	36.5	32.0	1.0	0.5	1.76	1.98	89	95	SE	3	S	1	10	10
25	28.02	28.21	34.0	33.1	36.2	31.8	0.5	1.1	1.86	1.66	95	88	NE	6	N	4	10	8
26	28.34	28.47	36.8	33.0	44.8	32.0	1.2	0.5	1.91	1.77	89	94	N	5	N	3	7	8
27	28.50	28.48	36.8	33.0	44.8	30.0	3.8	1.2	1.51	1.63	69	86	N	3	N	2	6	6
28	28.41	28.22	33.9	35.0	44.8	32.5	1.1	1.0	1.73	1.84	88	90	N	2	N	6	9	2
29	28.08	28.07	33.7	33.2	39.9	32.5	0.5	0.2	1.84	1.86	94	98	NE	8	NE	8	10	10
30	28.10	28.28	33.8	33.2	34.2	31.0	0.5	0.5	1.82	1.74	94	94	NE	5	NE	2	10	10
31	28.39	28.61	32.8	32.5	36.0	31.5	0.8	1.0	1.70	1.63	91	88	N	4	NE	3	10	3
M.	28.352	28.358	32.2	30.9	38.2	27.3	1.1	0.7	1.62	1.56	86	89	3.5	3.5	7.9	5.5	7.36	23.6

LAUDALE, ARGYLESHIRE, a.—MARCH 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +031 in.

1	29.91	29.68	44.9	33.5	44.9	27.2	3.4	1.0	2.25	1.72	76	89	E	2	N	1	10	5	—	—	*	
2	45	38	31.2	30.9	38.9	25.7	0.7	0.0	1.58	1.73	90	100	N	1	N	1	9	4	07	—	*	
3	40	40	23.5	25.5	41.1	18.8	0.0	0.0	1.26	1.38	100	100	N	1	E	1	2	2	04	—	*	
4	51	49	27.2	31.9	39.9	22.7	0.0	0.9	1.48	1.59	100	88	Calms	0	NW	1	100	5	25	—	*	
5	43	43	30.5	35.2	37.9	21.0	0.6	2.8	1.55	1.53	91	74	SE	4	S	2	3	10	—	—	*	
6	39	31	33.2	37.3	37.3	25.0	0.2	3.4	1.86	1.61	98	72	SE	4	SE	7	10	10	—	—	Dark and stormy.	
7	18	34	36.0	37.9	40.9	35.0	1.0	2.2	1.93	1.87	91	82	SE	7	SE	7	10	10	—	—	Dark and stormy.	
8	68	89	39.9	39.1	42.9	37.0	2.9	2.1	1.90	1.98	77	83	E	6	E	6	10	10	—	—	Fine.	
9	29.97	29.98	38.2	37.2	40.9	33.7	1.5	2.7	2.01	1.72	88	78	SE	5	E	6	10	10	—	—	* showers.	
10	30.01	30.11	39.9	37.9	41.5	35.0	2.8	3.7	1.92	1.61	78	71	E	5	E	5	10	4	—	—	* showers.	
11	16	21	38.8	31.0	42.9	30.0	2.9	0.7	1.81	1.56	78	89	E	3	Calms	0	9	0	—	—	Fine, but cold.	
12	30.09	30.09	41.9	38.9	48.9	29.7	1.9	1.9	2.26	2.00	86	85	N	1	N	5	10	0	13	—	Fine, but cold.	
13	29.90	29.76	42.9	38.5	46.5	35.0	1.0	2.4	2.55	1.87	92	81	NW	4	N	6	10	10	—	—	Cold. ● showers.	
14	64	47	36.1	34.2	38.9	30.9	2.1	1.0	1.74	1.78	81	89	N	5	N	6	9	3	13	—	* showers.	
15	54	54	35.2	33.5	42.2	28.9	1.1	0.8	1.84	1.76	89	91	N	4	N	1	3	2	07	—	* showers.	
16	52	46	35.1	35.0	40.0	29.0	1.1	1.0	1.83	1.84	89	90	N	4	Calms	0	3	3	—	—		
17	29	29	39.0	39.1	43.2	27.8	2.2	2.1	1.95	1.98	83	83	S	5	S	5	10	8	35	—	*● (sleet) ●. Stormy.	
18	13	28	38.5	37.5	42.2	45.2	2.8	0.7	1.81	2.54	81	94	S	5	S	7	10	10	13	—	*●	
19	06	29	43.5	44.2	46.1	40.9	1.3	1.1	2.53	2.05	90	92	S	6	S	4	10	10	03	—	*●	
20	33	40	40.7	46.0	53.1	41.0	1.6	1.8	2.81	2.69	89	87	Calms	0	Calms	0	10	100	—	—	Dull and dark.	
21	44	51	48.9	44.9	52.7	41.0	2.2	1.0	2.94	2.75	85	93	Calms	0	Calms	0	4	100	—	—		
22	57	59	43.5	39.9	51.2	36.0	1.3	0.7	2.53	2.31	90	95	E	1	Calms	0	2	100	—	—		
23	74	72	42.5	44.4	54.1	32.3	2.0	2.1	2.30	2.46	85	84	SE	2	S	3	100	100	20	—		
24	45	16	43.2	43.0	47.2	40.0	0.2	0.0	2.75	2.77	98	100	S	5	SE	5	10	10	09	—	Dull and squally.	
25	24	49	43.2	38.2	47.3	37.0	2.2	1.2	2.32	2.06	83	90	SE	2	SE	1	10	5	—	—	Fine, but cold.	
26	65	71	44.0	36.2	49.7	34.0	2.7	1.2	2.21	1.91	80	89	N	5	N	1	5	1	—	—	Fine, but cold.	
27	71	64	44.7	37.4	47.3	28.0	4.2	1.2	2.09	2.00	70	90	N	2	Calms	0	2	3	—	—	Fine, but cold.	
28	45	27	43.2	43.2	46.5	32.0	4.0	3.3	1.99	2.11	70	76	E	6	E	6	5	10	—	—	Overcast and stormy.	
29	17	15	43.7	42.3	46.2	40.0	3.2	4.1	2.18	1.90	76	71	E	6	E	7	7	10	—	—	Fine, but stormy.	
30	26	42	39.7	38.9	44.5	38.0	3.7	3.6	1.75	1.76	71	73	E	6	E	6	10	5	—	—	Stormy.	
31	29.52	29.75	40.9	40.0	41.9	37.0	3.9	4.9	1.81	1.58	71	64	E	6	E	6	10	5	—	—	Stormy.	
M.	29.540	29.535	39.3	38.0	44.6	32.2	1.9	1.8	2.06	1.97	85	85		3.6	3.4		7.8	6.6	1.53	—	—	

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—MARCH 1909.

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 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	ins.	ins.	29.69	29.47	35.5	31.2	38.7	29.7	1.8	1.5	1.74	1.39	84	79	NE	3	NW	1	10	10	02	—	—	Dull and cloudy.		
2	23	23	29	29	30.0	30.2	37.5	27.6	1.0	1.3	1.40	1.35	83	80	SW	1	NW	1	10	10	09	—	—	Dull to 10a. Fine to 2p. *n.		
3	22	24	30.9	27.6	35.2	35.2	26.0	0.9	0.4	1.50	1.38	86	92	NW	1	NE	1	5	10	10	?	—	—	Dull to 9a. Fine to 1p., then		
4	32	31	29.2	30.4	35.7	21.6	1.0	1.8	1.33	1.26	83	73	NW	1	NW	1	10	10	10	10	—	—	—	[*.		
5	30	34	28.5	28.2	43.7	22.4	1.0	0.8	1.27	1.31	82	84	W	1	N	1	10	5	10	10	—	—	—	Fine.		
6	30	22	31.7	35.7	37.0	25.0	0.7	3.2	1.62	1.52	91	72	NW	1	E	5	10	10	10	10	55	—	—	Dull. * showers.		
7	08	17	34.5	36.6	38.0	31.4	0.3	0.2	1.94	2.13	97	99	SE	5	NE	5	10	10	10	10	5	—	—	—	☉n. and day.	
8	54	76	36.2	37.8	38.6	34.7	0.3	0.4	2.08	2.18	97	97	SE	5	NE	5	10	10	10	10	23	—	—	—	Dull. ☉n. and day.	
9	81	80	36.0	34.0	38.7	32.5	1.2	0.5	1.89	1.86	89	95	NE	8	NE	3	10	10	10	10	13	—	—	—	Dull. * (sleet) from 9a.	
10	85	29.91	34.0	33.8	38.2	32.0	0.3	0.4	1.90	1.86	97	95	NE	8	NE	3	10	10	10	10	?	—	—	—	☉ till noon. * (sleet) *	
11	98	30.02	34.0	32.2	38.4	31.5	0.6	0.8	1.86	1.65	95	90	NE	3	NE	1	10	10	10	10	?	—	—	—	Dull. * ☉ from noon.	
12	87	29.90	37.7	34.5	47.0	29.5	1.7	1.6	1.93	1.68	85	84	SW	1	NE	2	10	10	10	10	01	—	—	—	Cloud and sunshine. ≡°	
13	70	49	36.9	36.5	44.6	32.0	0.9	1.5	2.01	1.87	92	87	SW	1	NW	1	10	10	10	10	03	—	—	—	Dull and cloudy.	
14	37	16	34.5	31.1	38.6	29.5	2.5	0.5	1.52	1.61	75	92	NW	2	NW	1	5	5	5	5	11	—	—	—	* 1p.—4p.	
15	32	33	34.9	32.0	40.4	26.7	2.4	0.3	1.57	1.75	77	96	S	1	NE	1	10	5	10	10	?	—	—	—	Fine. Dull from 4p. *n.	
16	34	30	34.0	31.6	41.5	26.0	1.7	0.6	1.62	1.64	82	92	NW	1	NE	1	0	10	10	10	?	—	—	—	Fine to 5p., then dull.	
17	25	10	32.7	34.5	42.2	25.6	1.1	0.5	1.63	1.90	87	95	SW	1	SE	1	5	5	5	5	06	—	—	—	Fine to 3.30p., then dull.	
18	10	00	38.0	39.0	43.2	33.2	0.5	0.5	2.18	2.28	96	96	SE	1	SE	1	10	10	10	10	05	—	—	—	Dull. ☉ from 4.30p.	
19	01	10	39.9	40.0	41.7	8.8	0.5	0.2	2.36	2.43	96	98	SE	3	NE	1	10	0	10	10	12	—	—	—	Dull. ☉ 9a.—1.30p.	
20	20	31	42.0	41.8	44.7	8.6	0.3	0.3	2.60	2.58	98	98	E	1	NE	1	10	0	10	10	—	—	—	—	Dull. ∞	
21	34	38	40.0	39.9	42.8	37.0	0.4	0.2	2.39	2.41	97	99	NW	1	SW	1	0	0	0	0	—	—	—	—	≡	
22	45	49	40.6	41.0	44.5	38.0	0.4	0.4	2.44	2.48	97	97	SW	1	SE	1	10	10	10	10	—	—	—	—	≡	
23	64	64	39.8	39.7	43.2	36.5	0.2	0.2	2.40	2.41	99	98	SE	1	E	1	10	0	10	10	—	—	—	—	≡	
24	29.44	06	39.6	40.0	41.2	37.4	0.3	0.2	2.38	2.43	97	98	SE	1	SE	1	10	0	10	10	—	—	—	—	≡	
25	28.99	25	38.9	37.4	41.0	36.5	0.7	1.0	2.23	2.04	95	92	NE	3	N	1	10	10	10	10	51	—	—	—	☉. ☉ from 4p.	
26	29.42	54	41.0	35.8	40.6	35.2	1.1	1.1	2.33	1.91	91	91	N	2	NW	1	5	5	5	5	01	—	—	—	☉ till 9a. Dull and cloudy.	
27	55	52	40.0	35.5	48.0	33.4	1.1	0.6	2.24	1.94	91	94	E	1	E	1	10	5	10	10	—	—	—	—	☉ Cloud and sunshine.	
28	43	23	40.0	38.4	41.7	32.4	1.0	0.7	2.26	2.18	92	94	E	3	SE	5	10	10	10	10	20	—	—	—	☉ Cloud and sunshine.	
29	06	03	38.7	38.0	40.2	36.2	0.5	0.6	2.25	2.16	96	95	NE	5	NE	5	10	10	10	10	06	—	—	—	Dull. ☉ from noon.	
30	07	26	38.0	37.0	39.2	36.3	0.8	1.4	2.12	1.93	93	88	NE	8	NE	8	10	10	10	10	01	—	—	—	☉n. ☉ till 8a. ☉ showers.	
31	29.41	29.60	37.2	36.7	38.7	34.7	1.2	1.7	1.98	1.85	89	85	NE	5	NE	5	10	10	10	10	02	—	—	—	Dull. * (sleet) ☉	
M.	29.396	29.391	36.3	35.4	41.0	31.9	0.9	0.8	1.97	1.92	91	91	2.5	2.1	8.7	7.9	3.25	?	?	?	?	?	?	?	?	Dull. * (sleet) ☉

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MARCH 1909.

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.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	32.9	32.5	36.2	29.0	0.9	0.5	in.	in.	%	%	NW	4	NW	4	5	4	ins.	hrs.	°	*. Fine and bright. Bright. * showers.
2	29.46	29.27	32.9	32.5	36.2	29.0	0.9	0.5	1.69	1.74	90	94	NW	2	N	1	6	4	.04	4.3	19	
3	29.02	28.99	28.1	27.5	35.2	25.0	0.2	0.0	1.48	1.50	96	100	NW	2	N	1	6	4	.05	2.2	18	
4	29.08	29.09	24.8	28.9	30.0	20.0	0.3	0.0	1.30	1.50	77	100	NW	3	NW	2	9*	8*	.15	0.8	17	
5	29.11	29.15	25.9	28.0	31.1	19.0	0.4	0.5	1.23	1.59	93	100	NW	4	NW	2	3	8	—	6.6	22	
6	29.07	28.90	35.0	32.9	35.0	19.0	0.2	0.0	1.27	1.37	91	89	NW	2	N	1	3	3	—	9.7	12	
7	28.76	28.91	36.0	35.1	38.0	32.9	0.5	0.0	1.23	1.37	91	89	SE	6	E	10	9	10*	.76	1	12	
8	29.29	29.50	37.0	37.2	40.5	35.1	0.6	1.2	2.03	2.05	96	100	SE	9	S	3	100	100	.43	—	23	
9	49	48	34.0	35.5	39.9	32.0	0.2	1.5	2.08	1.98	95	90	E	2	E	4	9	9	.04	3.8	20	
10	52	59	35.3	34.8	36.1	32.9	0.5	0.7	1.92	1.79	98	86	E	4	E	7	10Δ	10Δ	.28	—	23	
11	66	73	35.0	35.4	37.9	32.0	1.6	2.9	1.97	1.88	96	93	NE by E	5	NE	4	100	10	.07	—	23	
12	70	64	35.3	34.3	38.1	29.9	0.4	2.1	NE	7	NE	5	10	NE	5	10	10	10	.10	—	23	
13	50	29.22	35.9	35.2	39.1	32.3	2.1	1.6	1.99	1.57	97	79	NNW	3	N	6	8	7	.02	1.4	19	
14	09	28.91	31.7	31.9	36.4	29.1	0.7	0.9	NE	8	NW	5	6	NW	6	8	3	3	.06	1.2	23	
15	05	29.12	30.8	27.9	36.2	26.0	0.0	0.4	1.63	1.59	91	88	N	8	N	6	8	3	.08	4.7	22	
16	13	29.14	34.9	28.0	37.2	21.9	0.2	0.0	1.74	1.40	100	92	NNW	2	N	1	10*	3	.01	4.8	19	
17	29.12	28.97	30.0	35.2	36.1	22.3	0.1	1.4	1.99	1.53	98	100	NW	2	W	3	10*	3	—	9.4	17	
18	28.96	28.82	34.2	40.5	41.0	31.5	0.3	1.7	SW	2	SW	4	3	SW	2	SW	4	3	6	—	8.9	14
19	28.80	28.89	39.0	42.0	46.0	37.9	0.0	0.2	1.92	2.17	97	86	S	4	SE	5	100	10	.07	—	20	
20	29.00	29.15	44.9	39.8	48.3	38.5	1.4	1.8	2.38	2.63	100	98	S	3	SE	2	10	7∞	—	0.8	26	
21	13	19	39.0	39.9	43.0	34.5	0.1	0.9	SE	1	NW	2	9∞	SE	1	NW	2	9∞	7∞	—	3.5	29
22	28	30	40.9	40.0	44.2	38.0	0.4	0.1	SE	0	Calm	0	8	Calms	0	8	7	7	.02	—	22	
23	44	29.50	39.8	38.2	45.0	37.5	0.0	0.2	2.47	2.45	97	99	NW	1	ESE	2	10	8	.03	0.8	30	
24	29.24	28.73	40.1	42.5	46.2	35.5	0.0	0.0	2.45	2.26	100	98	SE	1	SE	3	8	6	.13	0.5	30	
25	28.66	28.95	38.0	38.5	45.0	35.5	0.9	2.2	2.48	2.72	100	100	SE	3	SE	4	100	100	.62	—	23	
26	29.16	29.34	40.1	35.6	44.0	34.1	2.1	1.7	82	N	5	N	8	100	8	13	1.5	32	.13	1.5	32	
27	39	29.35	41.3	39.9	46.4	32.5	4.3	2.4	85	NW	6	NW	3	6	4	—	6.2	29	.02	—	39	
28	29.19	28.92	39.9	38.0	43.2	30.0	0.9	0.3	81	W	3	SW	1	2	9	.01	6.2	29	.01	6.2	29	
29	28.85	28.78	41.0	39.9	42.7	37.0	0.5	0.4	2.27	2.22	93	97	E	3	E	3	100	77	—	28	28	
30	28.81	28.99	45.2	39.9	47.6	39.0	0.4	0.8	2.46	2.38	96	97	NNW	2	NNE	3	100	17	—	37	37	
31	29.13	29.27	40.1	37.0	45.3	36.0	0.2	0.5	2.92	2.29	97	94	NE	1	NNW	5	9	10	.02	—	39	
									2.44	2.10	98	96	NNE	2	NNE	6	10	100	.42	—	39	39
M.	29.164	29.154	36.0	35.5	40.2	31.0	0.7	0.9	2.00	1.93	93	92	3.4	3.8	7.9	7.3	4.48	77	23.8			

DOUGLAS, ISLE OF MAN, a.—MARCH 1909.

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	29.57	29.37	34.9	33.0	39.0	31.5	2.3	0.0	1.57	1.88	78	100	NE	2	N	1	9	7	102	0.4	26	Cloudy. * shower 8.30p.	
2	08	05	30.7	30.5	39.0	28.3	1.2	0.0	1.42	1.71	82	100	NNW	4	NE	4-5	7	10*	125	3.2	23	* ☼. Cold and frosty.	
3	05	09	31.0	29.7	35.0	27.0	2.7	2.7	1.13	0.99	65	61	N	1	NNE	1	4	0	—	8.5	23	☼. Cold and frosty.	
4	16	24	30.0	27.3	34.5	25.0	2.0	2.1	1.16	0.90	69	60	N	1	Calms	0	4	0	—	9.2	18	☼. Overcast. * p.	
5	29.20	29.13	34.0	36.0	40.3	23.6	3.0	4.3	1.38	1.38	71	64	W	1	ESE	5	4	6	100	4.4	18	☼. * 1p. V~	
6	28.94	28.79	33.2	33.8	36.0	31.0	0.2	0.6	1.86	1.82	98	93	ESE	4-5	ENE	3	10	10	239	—	28	☼. Overcast. * p.	
7	28.75	28.96	33.8	34.0	39.0	32.0	0.8	1.1	1.78	1.74	91	88	W	1	Calms	0	10	9	017	0.8	27	* ~. Δ 11a. V p.	
8	29.26	29.49	39.0	39.2	42.8	32.9	1.5	2.6	2.09	1.90	88	79	E	3	ENE	4	10	9	010	2.2	26	* ~ a. Cloudy. V p.	
9	51	48	35.4	34.5	39.6	33.7	1.0	0.7	1.88	1.86	91	93	NE	4	NE	3	10	10*	206	—	31	Frequent * (sleet) showers.	
10	53	63	35.7	35.4	39.5	33.0	0.7	1.9	1.96	1.71	94	83	NE	5	NE	4	10	10*	4	—	1.7	30	* ~
11	69	81	36.0	36.1	39.0	34.2	3.0	1.9	1.58	1.78	74	83	NE	5-6	NE	5-6	8	10	—	0.4	31	Dull and squally.	
12	83	76	37.7	40.5	45.3	33.0	3.5	1.5	1.62	2.20	72	88	NW	2	N	2	7	7	021	7.4	26	* ~ a. * showers p.	
13	63	37	41.2	42.0	44.0	35.0	1.7	1.8	2.23	2.29	87	86	NW	2	NW	3	9	3	010	—	31	* ~ showers p.	
14	26	12	36.0	36.0	42.5	33.0	0.7	2.7	1.99	1.63	94	76	N	4	NW	5-6	4	8	—	9.2	29	* ~ a. Squally. * 1p.	
15	17	22	36.0	31.6	40.0	31.2	2.1	1.55	1.31	72	73	NNE	5-6	N	1	6	1	—	6.6	28	* ~ a. Δ 10a. * p.		
16	25	22	37.0	32.0	41.0	27.5	5.0	2.5	1.34	1.27	61	70	NE	2	NW	1	1	2	050	9.6	20	* ~ a. Fine. * 11p.	
17	29.13	29.01	35.5	42.0	43.8	29.8	2.0	2.8	1.70	2.11	82	79	WSW	1	SSW	4	6	9	030	6.2	20	☼. * a. * shower 4p.	
18	28.85	28.76	39.6	42.0	42.5	38.3	0.8	0.6	2.27	2.54	93	95	ESE	4	SE	5	10	9	145	0.3	31	* ~ a. * 5p. * 7p.	
19	28.78	28.85	42.2	44.4	47.0	40.2	0.2	0.9	2.65	2.72	98	93	E	3	ESE	1	9	10	022	2.8	36	* ~ a. * 5a., then very fine.	
20	29.07	29.17	41.0	40.0	50.0	39.4	0.8	0.5	2.39	2.37	94	96	WSW	1	Calms	0	8	7	132	5.4	39	* ~ a. * 5p. * 7p.	
21	17	26	43.0	36.5	49.4	35.0	0.5	1.2	2.66	1.93	96	90	SSW	1	NW	1	10	0	—	4.7	35	* ~ a. * 5p. * 7p.	
22	32	29	43.6	43.0	47.9	33.0	1.6	1.5	2.48	2.45	87	88	ESE	1	NE	1	3	10	—	6.0	28	* ~ a. * 5p. * 7p.	
23	48	29.51	42.9	41.6	46.3	39.0	1.9	2.4	2.35	2.14	85	82	Calms	0	SE	1	9	6	567	1.4	32	Dull, mild, and misty.	
24	29.25	28.70	49.0	44.8	50.0	41.0	1.0	1.8	3.22	2.55	93	86	SW	1	W	6-7	9	10	414	—	34	Dull a. Stormy, with * p.	
25	28.83	29.16	41.9	41.2	44.8	38.4	1.3	2.6	2.39	2.07	91	80	NW	3	NNW	2	8	8	001	0.5	36	Dull, with * showers.	
26	29.36	29.45	41.5	38.0	47.1	36.4	3.5	1.6	1.93	1.97	74	86	NNW	3	NW	3	6	0	—	10.8	31	* ~ a. * p. Fine.	
27	47	29.39	41.2	40.0	48.8	34.2	2.7	1.0	2.05	2.26	80	92	NNW	1	SW	1	9	10	160	5.3	31	Fine. * from 9p.	
28	29.06	28.81	39.8	42.6	48.8	34.5	0.8	0.2	2.28	2.69	94	98	E	5	NE	3	10	10	1047	—	33	Overcast, with * 2.	
29	28.77	28.71	43.0	42.8	48.0	38.2	0.5	0.6	2.66	2.61	96	96	ENE	2	NNE	4	10	10	480	—	33	Overcast, with * 2.	
30	28.86	29.11	44.1	40.1	45.6	39.0	0.9	1.1	2.69	2.25	93	91	NW	1	NE	3	9	10	—	0.1	33	Dull and mild.	
31	29.19	29.30	41.3	37.8	48.6	37.0	1.4	1.0	2.31	2.08	89	92	ENE	2	NE	5-6	10	8	250	0.4	34	* a. and p.	
M.	29.208	29.200	38.4	37.7	43.4	33.7	1.7	1.6	2.02	1.97	85	85	2.4	2.7	7.7	7.0	4.128	108	29.1				

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—MARCH 1909.

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.	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.		%	%	*	*			ins.	hrs.					
2	29.48	29.27	30.5	28.4	36.2	26.0	1.3	0.9	1.38	1.29	80	83	—	0	—	0	10.0	0	1.070	0.6	18	Δ*
3	29.00	28.90	30.7	30.0	32.6	22.5	1.7	0.8	1.31	1.45	75	86	—	2	NE	5	10	7	1.125	—	17	* 2 all day.
4	28.91	28.99	32.0	28.8	36.6	26.5	1.7	2.0	1.43	1.097	78	64	NE	6	—	2	7	0	—	4.0	19	* 0 8a. Fine and bright.
5	29.06	29.14	27.0	27.8	35.7	19.9	2.0	2.1	1.089	1.094	61	62	—	2	—	2	0	0	—	7.3	14	* 2p. ☐ 11.30p.
6	29.14	29.11	30.0	32.0	38.1	21.5	1.7	4.0	1.123	1.102	74	56	—	1	SE	4	0	0	1.025	5.9	14	Fine. ☐ 9p.—midnight.
7	28.91	28.68	33.2	33.2	35.0	28.8	1.2	1.0	1.165	1.169	87	89	E	11	NE	4	10.0	10.0	1.320	—	26	* 0 all day.
8	28.69	28.91	34.0	35.5	38.1	32.5	0.8	1.3	1.180	1.183	91	88	—	0	—	2	10.0	7	—	0.1	29	* 2 early a.
9	29.21	29.42	37.0	37.0	40.1	33.2	2.0	1.0	1.182	1.200	83	91	NE	6	NE	7	8	8	—	4.2	29	Sunny intervals.
10	39	35	35.0	34.0	37.1	33.3	1.6	1.0	1.172	1.176	84	89	NE	6	—	2	10.0	10.0	1.040	—	31	* showers all day.
11	42	48	35.7	36.0	37.5	32.9	1.5	1.3	1.182	1.188	86	88	ENE	6	NE	8	10	10	—	—	31	Cloudy.
12	53	66	35.0	34.3	37.5	33.2	2.0	2.3	1.164	1.154	80	77	NE	11	NE	6	10.0	9	1.025	0.4	31	* 2 showers.
13	71	63	35.6	38.5	44.9	30.6	3.3	3.3	1.149	1.171	71	74	NNW	4	N	10	10	3	—	3.8	27	* early a. Fine p.
14	53	29.26	36.0	39.2	41.7	33.3	3.0	0.9	1.158	1.222	74	92	W	7	W	6	8	4	—	0.9	31	* 0 8a.—9a.
15	10	28.98	33.3	32.8	39.7	31.5	3.3	2.0	1.127	1.145	67	78	N	12	NW	7	7	0	—	5.5	30	* 0 showers. Fine.
16	01	29.11	35.0	30.0	39.4	29.4	2.6	2.0	1.154	1.118	75	69	NE	7	—	3	4	0	—	7.5	27	* 0 showers. Fine.
17	13	14	31.0	30.2	38.0	22.6	1.0	2.0	1.148	1.118	85	70	—	2	—	2	5	0	—	4.4	20	Sunny, but cold.
18	29.12	29.03	31.0	38.2	42.4	24.3	1.7	2.5	1.133	1.183	76	80	—	2	S	14	4	0	—	3.6	22	—, * 9a.—10a. Fine.
19	28.89	28.77	40.2	42.0	42.9	31.9	2.0	1.7	1.209	1.231	85	87	SE	12	SE	12	8	10	—	—	36	Dull.
20	28.76	28.83	44.0	47.2	51.5	31.5	1.2	2.2	1.261	1.273	90	85	S	9	SE	10	10	10	1.050	0.8	41	Fair and dry.
21	29.02	29.10	45.5	46.2	53.3	43.9	2.1	1.8	1.257	1.272	85	88	SW	4	—	2	9	10.0	1.095	2.0	45	Dull a. ● 8p.—9p.
22	11	15	42.0	40.0	49.0	39.3	0.6	1.8	1.254	1.211	95	86	W	7	—	2	10	0	1.045	2.5	35	—
23	26	23	39.0	42.4	48.2	31.9	1.8	1.4	1.203	1.241	86	89	—	3	NNE	4	0	0	—	4.2	30	— a. Very misty.
24	29	29	48.4	40.4	46.6	36.5	1.0	1.0	1.230	1.255	92	92	NE	4	—	3	10	10	1.170	0.2	35	Fair and mild.
25	29.22	28.74	45.1	46.8	49.0	41.0	0.7	1.1	1.284	1.294	94	92	SW	4	SW	18	10	10	1.510	—	40	● showers, then ● 2p.—midt.
26	28.68	28.99	41.0	40.0	48.0	39.5	1.0	3.7	1.235	1.177	92	71	NNW	13	NNW	15	10.0	5	—	1.2	38	—
27	29.19	29.34	40.0	40.2	45.4	36.5	4.0	3.0	1.172	1.191	69	77	NW	10	NW	8	4	2	1.006	4.5	35	Fine a. ● 2p.
28	40	29.34	42.2	41.0	48.9	30.3	1.7	1.8	1.233	1.219	88	86	SW	4	—	2	5	10.0	1.040	5.3	27	Fine all day. ● 0 n.
29	29.09	28.78	39.0	48.0	48.0	37.1	1.3	0.9	1.212	1.312	90	94	E	9	S	15	10.0	10.0	1.750	—	33	● all day.
30	28.74	28.67	48.3	49.7	53.0	46.5	0.5	1.7	1.327	1.313	97	88	S	10	S	15	10	10	1.150	0.8	46	● 3p.—6p.
31	28.79	29.01	47.0	42.2	50.0	41.6	1.6	0.6	1.284	1.256	89	95	SW	4	W	5	10	10	1.023	—	41	Misty n.
	29.12	29.13	44.0	40.0	49.5	40.0	1.5	1.0	1.255	1.226	88	92	—	0	N	8	9	10.0	1.220	0.7	39	● 3p.—10p.
M.	29.129	29.115	37.4	37.9	43.0	32.9	1.7	1.7	1.192	1.196	83	83	—	6	—	7	7.7	5.6	2.664	71	30.2	

SHREWSBURY, SHROPSHIRE.—MARCH 1909.

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.	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	ins.	ins.	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	in.	in.	%	%	NW	†	0	10	10	ins.	hrs.	25	Overcast all day. ☒
2	23	06	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	WSW	2	SE	1	8	2	03	26	* 2 p. - 3 p. ☒
3	07	13	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NW	2	NW	2	7	2	13	26	* till 8 a. and from 3 p. ☒
4	25	32	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	W	1	NW	1	10	6	04	15	* 0 5 p. ☒
5	35	29	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	W	1	SE	1	0	10	09	20	☒. Fine and bright.
6	29.05	28.84	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	ENE	2-3	NE	1	10	10	73	17	☒. * all day.
7	28.80	29.09	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	WSW	1	Calm	0	10	3	—	19	☒. Sunshine and ● showers
8	29.32	48	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	SE	2	SE	2	10	3	—	30	☒. Dull day.
9	51	47	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NE	2	NE	2	10	10	13	27	☒. Dull day. * 8 p.
10	56	32	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NE	3	NE	3	10	10	—	30	Dull.
11	64	76	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NW	3	10	10	—	31	Overcast.
12	84	77	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	32	Dull a. Bright p.
13	71	45	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	33	● showers p.
14	27	17	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	34	Fine a. * in afternoon.
15	13	26	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	35	Cloudy a. * in afternoon.
16	32	34	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	29	Fine a. * in afternoon.
17	33	29	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	27	Cloudy a. * in afternoon.
18	29.03	28.91	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	24	Fine and bright. * p.
19	28.93	28.97	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	21	Fine and bright.
20	29.20	29.24	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	29	Overcast, with ● showers.
21	30	30	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	37	● shower 2.30 p.
22	43	36	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	33	Bright a. ● p.
23	53	64	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	34	Bright a. Cloudy p.
24	29.43	03	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	40	Dull.
25	28.94	18	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	36	≡ p.
26	29.37	54	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	33	● a. and p.
27	58	51	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	30	● showers a.
28	29.23	29.00	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	33	Cloud and sunshine.
29	28.93	28.87	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	27	● nearly all day.
30	28.98	29.21	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	35	Dull a. ● in afternoon.
31	29.29	29.25	29.65	29.47	26.8	31.6	40.0	17.8	0.0	0.8	106	115	89	100	NNW	4	NNW	3	10	10	—	45	Cloudy.
M.	29.298	29.280	37.6	37.8	45.7	31.6	1.4	1.0	203	214	88	92	2.3	2.1	7.7	6.4	2.41	30.5	—	—	—	38	Dull a. ● p.

CAMBRIDGE, a.—MARCH 1909.

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	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	87	NE	†	1	10	10	☒	24	*Δ from 5p.			
2	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	84	SW	1	SE	2	10=2	0	29	0.2	18	Overcast.	
3	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	83	SE	2-3	E	2	10	10☒	0	22	* ² n. * showers.		
4	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	80	NW	2	Calm	0	7∞	0	5	5	25	Fine and sunny.	
5	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	88	SW	1	Calm	0	5∞	0	6	6	18	Fine and sunny.	
6	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	97	SE	4	SSE	5-6	10 ¹⁰ ☒	10☒	6	6	22	* ² 7a.-2.30p.	
7	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	100	SW	2	SSE	2	10 ¹⁰ ☒	10☒	7	7	30	* 6a.-9a. Fine and sunny.	
8	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	96	SE	2	SE	2	0	2	8	8	26	Fine and sunny.	
9	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	97	NW	1	Calm	0	100	10	9	9	30	* ⁰ 8.30a.-3.30p. ∞	
10	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	92	NE	1	E	5-6	10∞	10	10	10	33	Overcast, with ∞.	
11	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	93	NE	4	N	4	10 ¹⁰	100	01	—	34	Overcast, with ☉.	
12	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	91	NNW	4	NW	2	10 ¹⁰	10	—	1	33	Overcast till 3p.	
13	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	82	NW	3-4	Calm	0	8 ¹⁰	0	17	3	30	Sunny a. * ² 3p.	
14	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	80	NW	4-5	NW	5	10	10 ¹⁰	10	01	30	Overcast, with *.	
15	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	89	NW	2	NW	2	9∞	10 ¹⁰	08	—	26	Overcast, with *.	
16	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	95	W	2	Calm	0	0	0	—	6	3	26	Fine and sunny. * ⁰
17	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	91	SW	1	SE	2	0	0	—	7	1	22	Fine and sunny.
18	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	92	SE	3	SE	2	9	10	02	0	4	27	Overcast.
19	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	96	SE	2	SE	2	100	0	03	3	3	37	Sunny intervals.
20	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	95	S	2	S	1	10	0	06	1	5	37	Sunny intervals till 2p. ● 4p.
21	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	81	SW	3-4	SE	1	1V	100	06	6	2	37	Fine and sunny.
22	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	98	SE	1	SE	2	10∞	10	—	4	2	42	≡ from 6a. Overcast.
23	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	99	NE	2	Calm	0	10∞	10	—	4	2	42	≡ from 6.30a. Overcast.
24	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	94	S	2-3	SW	4-5	100	100	39	—	36	Overcast. * ² 2p.-11p.	
25	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	82	SW	6	NW	6	8	10	03	2	4	39	☉ showers.
26	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	88	NW	6	Calm	0	3	9	—	4	9	36	Sunny intervals.
27	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	81	W	2	Calm	0	0	0	01	5	5	27	Fine and sunny.
28	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	92	SE	3	S	3	100	100	16	—	31	● most of day.	
29	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	98	S	3	S	2	8	9	02	4	1	41	—
30	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	87	S	2	SW	2	10	10	04	—	43	—	
31	29.76	29.63	33.0	32.0	35.2	30.0	0.0	1.0	188	157	100	94	SW	2	SW	4	2	10	02	4	8	43	☉ early a. * ² 1p.-4.30p. Fine and sunny a.
M.	29.471	29.465	38.6	38.1	45.1	33.3	1.1	0.7	218	222	91	93	2.6	2.1	7.4	6.7	2.81	76	31.2				

† Beaufort Scale (0-12).

CHELTENHAM, GLOUCESTERSHIRE, a.—MARCH 1909.

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.		
	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.								
	ins.	ins.	°	°	°	°	°	in.	in.	%	%	NE	†	SE	†	ins.	hrs.	°		
1	29.62	29.53	31.5	32.7	35.0	26.0	1.3	1.1	147	162	83	86	NE	1	SE	1	10	10	Dull, dry day.	
2	25	25	31.7	28.7	37.2	26.3	1.8	1.1	139	126	78	80	SW	1	SW	1	2	0	Bright. * 3.30p.-4.30p.	
3	00	11	20.3	30.9	31.0	11.5	2.2	1.3	949	141	45	82	SE	1	SW	1	10	10	Dull.	
4	25	35	27.5	25.7	34.5	24.8	1.9	1.0	995	106	63	75	NW	1	W	1	10	8	Dull a. Pleasant p.	
5	37	29	30.3	32.2	38.7	15.3	2.2	1.6	116	147	69	81	S	1	SE	1	10	10	Dull a. Pleasant p.	
6	28.98	28.80	34.0	33.9	37.0	32.2	0.4	0.1	187	193	95	99	NE	5	Calm	0	10	10	●● 6a.-8a. ●●* most of day	
7	28.80	29.13	36.5	36.7	42.5	32.6	2.2	1.1	174	196	81	90	W	1	SE	1	8	0	Very bright a. ●▲ 3p.	
8	29.34	29.48	38.7	36.0	44.5	33.8	1.3	2.4	239	167	89	79	SE	1	SE	1	10	0	Dull a. Very pleasant p.	
9	49	49	35.9	35.3	39.0	34.4	1.5	1.4	182	179	86	86	E	2	NE	1	10	10	31 Dull.	
10	52	52	34.7	30.7	37.5	33.4	0.9	1.7	183	185	91	85	N	2	N	4	10	10	●● early a. Dull.	
11	64	74	35.4	34.7	36.7	34.4	1.5	1.3	178	175	86	87	NE	1	N	3	10	10	*. Dull.	
12	82	86	34.7	35.7	40.0	33.4	1.6	1.8	170	174	85	83	N	1	N	1	10	10	Dull a. Fine p.	
13	70	44	37.7	38.5	43.0	32.7	1.4	0.8	153	217	68	93	NW	3	Calm	0	0	0	Pleasant day. ●● midnight.	
14	19	16	36.7	33.3	39.2	33.2	2.8	1.7	166	155	77	81	NW	3	N	3	7	10	Bright a. *° at intervals.	
15	11	27	33.7	30.9	39.5	26.5	1.5	1.3	162	141	84	82	NW	2	NW	1	10	0	Bright day.	
16	33	37	31.1	28.5	39.5	23.8	2.5	0.7	117	136	67	87	NW	1	SE	1	0	0	Very bright day.	
17	36	29	37.7	37.7	45.7	23.6	3.3	1.3	166	200	73	88	SW	2	E	4	7	0	Bright day.	
18	29.03	29.02	43.5	42.7	47.4	36.5	2.3	1.0	232	252	82	92	SW	5	SW	3	10	10	Dull a. Windy, mild.	
19	28.96	28.90	40.0	47.7	53.8	42.6	2.5	2.0	274	283	81	85	S	4	S	4	10	10	Dull a. Fine p.	
20	29.22	29.29	47.7	42.9	53.6	42.6	1.2	1.2	302	250	91	90	S	1	SW	4	10	10	Dull a. ● at intervals.	
21	33	32	45.5	43.9	48.2	36.8	2.8	0.0	242	287	79	100	S	2	Calm	0	1	10	Very bright a. ● 1p.	
22	45	42	43.7	44.2	49.4	37.8	0.8	0.7	267	274	94	95	S	1	Calm	0	10	10	Dull day.	
23	52	66	46.0	47.2	47.4	44.2	0.5	1.5	298	288	96	89	NW	2	SW	2	10	10	Dull. ● 11a.-noon.	
24	29.50	29.50	51.7	50.7	52.4	39.5	1.8	1.1	336	342	88	93	SW	2	SW	2	10	10	Dull, with ●.	
25	28.97	29.20	48.7	40.2	52.9	40.0	4.0	2.5	251	199	73	80	SW	4	NW	3	4	10	Bright, but cloudy.	
26	29.39	29.56	42.7	35.7	47.6	34.4	4.7	3.6	183	144	67	68	NW	3	SW	1	4	0	Very pleasant day.	
27	61	56	44.6	45.1	51.1	29.4	3.9	4.2	214	213	73	71	S	1	SW	2	6	3	Very pleasant day.	
28	29.22	29.07	46.2	49.4	52.6	40.0	0.3	1.0	306	327	98	93	SE	3	S	4	10	10	Dull, with ●.	
29	28.96	28.95	51.4	48.8	56.6	48.6	1.4	1.7	343	302	90	88	S	1	S	1	9	10	● showers.	
30	29.28	29.28	50.1	45.9	53.4	45.4	2.0	1.2	311	281	86	91	SW	1	SW	1	8	10	Dull, warm day.	
31	29.33	29.35	47.7	44.7	50.6	43.6	2.2	1.0	278	272	84	92	S	1	W	1	4	1	Very bright a.	
M.	29.299	29.314	39.5	38.6	44.4	33.5	2.0	1.4	207	210	81	86		1.9	1.7	7.4	6.8	3.15	83	29.0

SOUTHAMPTON, HAMPSHIRE, a.—MARCH 1909.

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 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.	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.	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
2	42	42	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
3	41	41	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
4	36	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
5	33	43	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
6	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
7	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
8	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
9	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
10	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
11	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
12	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
13	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
14	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
15	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
16	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
17	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
18	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
19	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
20	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
21	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
22	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
23	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
24	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
25	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
26	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
27	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
28	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
29	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
30	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
31	33	49	29.71	29.58	30.5	32.1	35.5	29.2	0.1	1.2	1.68	1.54	99	85	NE	2	NNE	3	10.2	10	ins	hrs.	°	
M.	29.450	29.448	39.9	40.0	45.8	34.9	1.6	1.5	2.21	2.20	87	87	3.2	3.3	7.0	7.0	13.581	86	30.6					

PLYMOUTH, DEVONSHIRE, a.—MARCH 1909.

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	29.59	33.0	34.0	39.6	28.8	0.4	3.0	1.79	1.38	95	71	N	12	NW	7	0	10	—	4.1	19	Fine a. Dull p.
2	42	24	29.68	30.5	41.8	26.0	1.9	0.5	1.13	1.58	70	93	—	1	—	2	3	10	34	2.5	15	Sunny a. *●(sleet) * showers.
3	41	21	31.7	31.7	38.0	26.4	1.1	0.7	1.53	1.62	85	91	NW	18	NW	4	0	0*	08	4.6	16	* showers. Sunny intervals.
4	36	46	29.8	33.0	40.0	25.4	0.8	1.4	1.44	1.59	86	84	—	3	—	2	0	0	1.1	4.6	14	A few * showers. Fine.
5	29.46	29.29	32.6	41.3	43.4	25.2	2.8	2.2	1.28	2.15	69	83	NE	9	ENE	11	2	10	1.48	4.1	12	Fine a., then dull.
6	28.93	28.93	44.2	39.0	45.4	33.5	0.8	2.2	2.72	1.95	94	83	S	13	NNW	14	10	10	—	31	11	*● early a. Dull.
7	29.14	29.23	44.6	39.5	48.3	36.0	3.8	1.1	2.15	2.20	73	91	WSW	13	SW	5	4	8	14	7.4	28	Fine.
8	31	35	41.4	41.6	43.4	33.1	2.2	0.9	2.16	2.44	84	94	SE	12	ENE	7	8	10	64	—	28	Dull, with ● showers.
9	44	47	37.6	38.6	42.3	36.7	1.2	1.8	2.02	1.99	90	85	N	20	NNE	15	10	10	02	1.8	36	Dull and cold.
10	49	49	38.2	38.5	41.8	29.9	1.6	1.8	1.99	1.98	87	86	N	13	N	21	10	10	04	—	28	Dull and cold.
11	53	71	36.9	36.0	41.8	34.9	1.5	1.2	1.91	1.89	88	89	N	25	N	22	10	10	—	30	31	Dull and cold.
12	89	95	36.6	35.6	39.2	34.5	3.0	2.4	1.63	1.64	75	78	N	13	—	1	10	10	04	—	30	Dull and cold.
13	83	66	40.2	40.4	46.4	33.3	1.6	1.4	2.16	2.22	88	89	N	5	WNW	8	10	10	04	0.2	30	Dull and cold.
14	37	34	42.0	34.8	42.8	34.7	4.3	4.2	1.85	1.29	70	64	NW	18	WNW	8	6	0	03	3.4	22	Sunny a.
15	23	38	36.7	34.7	41.6	32.9	3.2	2.3	1.61	1.57	74	77	NW	13	NW	6	2	0	01	6.5	24	Fine. *● showers.
16	44	47	34.3	35.3	45.4	27.9	1.7	1.7	1.65	1.74	83	84	—	3	—	1	0	0	01	6.7	16	— a. Fine.
17	29.46	29.37	37.1	45.0	48.6	26.6	1.5	1.6	1.92	2.62	87	88	—	3	SE	19	2	0	14	8.0	19	Fine.
18	28.98	28.98	43.7	46.2	52.6	42.8	0.5	0.8	2.73	2.95	96	95	SE	36	E	22	10	10	05	3.8	39	● showers a. Fine afternoon.
19	28.97	29.15	50.3	46.5	52.9	45.3	2.0	5.5	3.14	2.02	86	64	S	26	SE	9	2	0	23	2.9	41	● showers a.
20	29.24	29.48	46.2	43.6	50.9	43.6	1.0	1.8	2.90	2.45	93	86	—	1	W	5	10●	0	36	1.5	35	a.
21	25	42	46.0	47.6	54.9	38.8	0.2	1.4	3.06	2.95	99	90	SE	19	SW	7	10●	8	04	1.9	34	Dull, with ●, then fine.
22	52	42	47.0	46.8	51.1	44.8	1.5	0.1	2.87	3.18	90	99	SW	11	—	2	10	10	17	—	35	Dull. ● in afternoon.
23	63	83	47.7	46.4	54.9	42.2	1.1	1.4	3.04	2.82	92	90	NW	10	—	3	10	0	05	6.0	38	Dull a. Fine and sunny p.
24	63	30	49.4	49.0	50.3	40.6	0.1	0.3	3.50	3.40	99	98	SW	21	SW	12	10●	10●	40	—	36	Dull, with ●.
25	28	36	50.4	46.2	52.9	46.2	3.7	0.8	2.76	2.95	76	95	W	20	NW	14	8	0	07	3.5	43	Fine a., then dull.
26	54	71	47.2	41.0	48.9	40.4	3.5	4.0	2.45	1.80	76	70	NW	18	N	4	4	0	—	8.7	37	Fine.
27	75	58	45.3	41.8	49.1	31.9	3.3	1.4	2.31	2.36	76	89	S	6	SE	16	4	10●	03	2.6	24	Fine, then ●.
28	29.27	29.18	48.2	48.6	48.7	41.8	0.1	0.3	3.34	3.35	100	98	S	21	SW	22	10●	10●	35	—	41	● all day.
29	28.98	29.04	49.0	47.5	53.9	47.5	0.6	1.6	3.32	2.90	96	88	S	28	SW	9	10	0	04	1.6	47	● showers, then fine.
30	29.19	29.45	48.8	46.4	52.9	46.4	2.1	2.0	2.95	2.69	85	86	WSW	15	SW	11	10	0	33	2.0	42	● showers, then fine.
31	29.35	29.55	47.6	47.4	53.7	45.0	0.4	0.8	3.20	3.08	97	94	SE	16	SW	17	10●	4	03	3.1	39	Dull, then fine.
M.	29.375	29.408	41.7	41.1	47.0	36.2	1.7	1.7	2.34	2.28	86	86	—	14	—	10	6.6	5.2	6.14	99	30.1	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHOENIX PARK), a.—MARCH 1909.

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.		Min.
							9 a.m.	9 p.m.	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.	ins.	ins.	ins.
2	29.75	29.56	33.8	31.7	38.3	30.9	1.5	1.5	164	145	84	80	N	6	N	4	8	8	ins.
3	32	25	31.4	29.5	38.1	27.1	0.8	0.6	157	148	89	90	NW	3	NW	7	6	3	hrs.
4	23	27	30.6	27.4	39.6	23.0	0.8	0.9	150	122	89	82	NW	6	—	1	6	1	25
5	36	44	27.4	25.4	38.8	21.9	0.6	0.7	131	114	87	83	N	5	—	2	6	0	Cloudy and overcast.
6	32	29.20	34.5	32.7	39.1	21.9	2.9	0.1	145	185	72	99	—	3	—	2	10	10	6.7
7	28.98	28.98	32.2	30.6	36.7	28.9	0.6	0.8	169	150	92	89	NW	8	W	7	10	10	17
8	29.06	29.09	31.9	34.6	42.1	27.7	0.3	0.3	174	195	96	97	WSW	6	—	2	10	8	16
9	29.37	29.55	41.0	40.5	45.6	28.0	1.5	0.9	225	233	88	93	—	2	ENE	7	10	10	Overcast, with *.
10	64	60	36.6	36.0	41.6	33.4	1.5	0.7	205	199	88	94	ENE	9	NE	6	8	10	27
11	65	76	36.7	38.5	39.7	34.4	0.2	1.8	214	198	99	86	NE	16	NE	15	10	10	* 4a. Overcast and cloudy.
12	29.84	29.96	38.6	38.1	40.9	36.8	2.6	2.5	185	182	79	79	NE	17	NE	15	10	10	25
13	30.03	29.98	38.9	39.7	42.2	33.0	3.2	1.0	177	224	76	92	N	7	NW	6	7	0	Overcast and cloudy. * p.
14	29.86	29.83	44.1	43.1	48.5	35.3	2.8	1.0	229	256	78	92	NW	6	NW	8	6	8	21
15	30	38	37.2	38.7	43.3	28.4	2.5	0.5	175	143	80	91	NW	9	—	3	9	0	Cloudy. * p.
16	37	41	36.6	32.8	43.7	27.0	3.2	0.9	160	168	73	90	N	16	N	3	6	0	28
17	44	40	34.9	31.1	43.9	26.7	1.2	0.3	179	166	89	95	NNW	6	—	4	6	6	Cloudy. * p.
18	29.28	29.12	36.6	41.0	49.2	21.9	1.9	1.5	182	225	84	88	NW	4	SSW	12	1	4	21
19	28.80	28.79	42.6	46.9	53.7	38.9	0.4	1.8	264	278	97	88	SE	19	SE	9	10	2	Fine. * p.
20	28.82	28.99	46.6	45.8	49.7	43.7	0.4	0.1	308	305	97	99	SE	8	SW	6	10	7	17
21	29.23	29.33	44.0	41.4	50.0	34.1	2.0	0.5	244	251	84	96	—	2	SW	5	5	4	Cloudy.
22	30	40	43.3	33.4	48.6	27.7	2.1	0.6	235	179	84	93	SE	4	—	0	4	0	Overcast, with *.
23	47	42	40.0	44.3	49.7	25.6	0.3	0.2	241	286	98	99	—	3	ENE	4	9	10	Cloudy.
24	64	61	40.1	47.9	54.0	38.5	0.4	2.9	240	264	97	80	—	2	—	1	10	10	Fine.
25	40	40	50.0	45.0	55.2	44.7	1.7	1.5	317	264	88	89	SW	6	W	13	10	7	Overcast.
26	61	40	46.0	43.5	50.1	43.4	1.1	2.0	285	240	92	84	W	9	NW	6	10	8	Cloudy. * p.
27	58	66	43.4	37.1	49.7	36.1	3.3	1.1	213	199	76	90	NW	7	—	0	4	8	Overcast. * showers.
28	63	29.48	44.3	40.6	50.2	34.9	2.6	1.2	235	227	80	90	SW	6	SE	5	8	10	Overcast. * showers.
29	29.09	28.95	43.2	46.3	52.3	39.7	0.2	0.1	275	312	98	99	E	11	—	0	10	10	Fine.
30	28.83	28.87	46.0	47.4	52.5	42.0	0.1	0.5	309	316	99	96	NE	7	—	1	10	10	Cloudy a. * p.
31	29.08	29.31	44.4	42.5	48.3	42.2	0.8	0.9	274	252	94	93	W	7	—	2	10	10	* 3a.-7a.
31	29.27	29.50	45.5	42.2	48.0	38.3	1.6	0.7	268	254	88	94	ESE	6	NE	9	10	10	Overcast. * p.
M.	29.359	29.366	39.5	38.2	46.0	32.8	1.5	1.0	217	215	88	91	7	5	7.8	6.5	2.945	104	28.5

BIRR CASTLE, KING'S COUNTY, a.b.—MARCH 1909.

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	29.73	29.54	31.7	28.7	37.8	24.0	1.7	0.8	140	135	78	86	N	2	NNW	2	7	8	.024	1.9	—	Cloudy.	
2	32	26	33.7	28.7	37.9	23.8	0.6	0.6	182	140	93	89	NNW	1	N	1	10	6	.010	2.5	—	* showers. ☒	
3	20	23	33.5	29.5	38.8	22.2	0.6	1.6	180	121	94	75	Caln	0	NNW	2	10	10	—	4.3	—	Cloudy and cold.	
4	32	26	33.5	29.5	38.8	22.2	0.6	1.6	180	121	94	75	Caln	0	NNW	1	7	10	.014	2.5	—	Cloudy and cold. *	
5	27	29.16	29.7	26.7	36.9	21.3	0.8	0.4	144	133	87	92	Caln	0	Caln	0	10	7	—	2.2	—	* showers.	
6	29.07	28.99	30.1	32.0	39.9	23.5	0.6	0.1	152	180	91	99	N	2	WNW	2	10	10	.004	6.3	—	Cloudy and cold.	
7	28.93	29.02	35.3	35.3	43.9	25.1	0.9	0.4	189	199	92	97	WNW	2	W	2	4	10	.019	6.3	—	Cloudy, with ●.	
8	29.30	29.40	36.5	37.0	43.2	34.8	1.5	1.1	187	198	87	90	NW	3	W	2	4	6	.082	3.8	—	Cloudy and cold.	
9	59	61	36.9	35.3	41.0	34.3	0.6	0.9	207	189	95	92	W	2	NE	2	10	10	.013	0.5	—	Overcast, with ●.	
10	63	82	37.5	37.6	39.0	33.3	1.6	2.3	193	182	86	80	N	2	N	3	10	10	.020	0.1	—	Overcast, with ● showers.	
11	29.79	29.92	37.5	36.9	39.3	33.3	2.3	2.8	181	168	81	77	N	2	N	3	10	10	—	—	—	Overcast, with ● showers.	
12	30.02	29.97	34.7	37.7	47.8	29.8	1.8	0.9	166	209	82	92	N	3	NW	3	6	7	.033	5.2	—	Cloudy.	
13	29.87	29.66	43.7	43.8	47.7	34.0	0.8	0.7	267	269	93	95	NW	3	WNW	3	10	10	.006	0.5	—	Overcast.	
14	52	40	37.5	34.4	43.8	31.9	0.6	1.4	213	171	95	85	N	3	NNW	3	6	10	.016	7.0	—	* ▲ showers.	
15	38	42	38.7	33.0	45.4	28.8	2.4	0.4	189	179	81	95	N	4	WNW	2	3	6	.004	—	—	▲ shower 5p.	
16	42	35	35.7	31.7	43.1	24.3	1.4	0.4	184	170	87	95	NNW	3	NW	2	7	10	—	5.8	—	▲ showers.	
17	29.21	29.04	38.7	41.8	50.7	25.0	1.9	0.9	198	247	85	93	W	2	W	2	4	10	.142	3.5	—	Cloudy and cold. ● n.	
18	28.65	28.66	43.3	45.7	52.0	39.8	1.3	1.8	252	267	90	87	ESE	6	SSE	3	10	10	.180	3.6	—	* showers.	
19	28.68	28.96	49.3	40.7	51.9	40.7	1.4	0.8	316	237	90	93	S	2	S	1	9	8	.200	1.2	—	* showers.	
20	29.16	29.31	41.8	40.7	48.2	32.2	0.9	0.6	247	241	93	95	S	1	SW	2	6	10	.100	1.7	—	* showers.	
21	21	34	43.9	40.4	53.6	29.0	1.1	1.8	263	214	91	86	S	2	Caln	0	6	10	.003	9.5	—		
22	37	35	43.8	45.7	51.8	31.6	1.5	1.6	253	270	88	89	SSW	1	Caln	0	10	10	.012	—	—	Cloudy and mild.	
23	58	52	45.8	47.7	55.7	40.6	0.8	2.6	289	269	94	82	SSE	1	Caln	0	10	10	.151	2.5	—	Dull and cloudy.	
24	32	05	47.8	45.7	52.9	41.8	0.7	1.5	314	273	95	90	S	2	WSW	3	10	10	.209	0.7	—	Overcast, with ●.	
25	06	40	47.7	45.9	51.5	43.2	2.0	1.9	283	255	86	86	NNW	5	NW	2	10	10	.022	2.7	—	* showers.	
26	58	61	44.5	43.5	50.7	36.4	2.7	1.8	235	244	80	86	NNW	3	SSW	1	4	10	.008	5.6	—	* shower 8p.	
27	29.56	29.40	43.7	42.6	49.4	31.8	1.2	1.9	258	233	90	86	SW	1	S	4	7	10	.255	1.5	—	Cloudy, with ●.	
28	28.97	28.88	45.0	47.7	54.9	40.2	0.3	1.0	292	297	98	93	E	2	W	1	10	10	.416	0.4	—	Overcast, with ●.	
29	28.79	28.86	43.7	44.8	47.9	42.5	0.7	0.9	269	276	94	93	NE	3	W	2	10	10	—	—	—	Overcast.	
30	29.06	29.23	45.0	43.8	48.2	41.2	1.3	0.9	268	266	90	93	W	2	Caln	0	10	10	.012	—	—	Overcast, with ● showers.	
31	29.14	29.44	46.3	43.8	50.7	39.8	1.0	0.9	290	266	93	93	S	3	W	2	10	10	.094	1.1	—	* showers.	
M.	29.312	29.331	39.7	38.5	46.2	32.3	1.2	1.2	224	214	89	89	2.2	1.8	8.1	9.3	2.049	91	—	—	—	—	

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MARCH 1909.

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.†						
Date.	13h.	18h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	9h.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.
	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	30, 4	26, 10	29, 23	24	26, 6	24, 6	31, 6	30, 8	28, 9	24 *	10, 21	8, 18	6, 9	—	2	10, 23
2	32, 21	32, 16	30, 37	7	28, 4	10, 6	17, 6	16, 4	—	*	28, 4	10, 6	17, 6	16, 4	11, 8	15, 16
3	31, 18	12, 9	4, 21	6	7, 9	8, 12	4, 7	—	*	*	11, 23	11, 23	7, 24	5, 26	8, 5, 26	14, 21, 23,
4	—	—	—	—	—	—	—	—	*	*	3, 14	32, 9	27, 6	23, 4	5, 27	1
5	8, 9	32, 12	9, 13	10	27, 7	29, 6	—	2	24, 11	6	22, 7	23, 9	20, 4	18, 6	23, 22, 9	13, 14
6	8, 18	8, 11	11, 26	8	12, 24	11, 34	9, 37	9, 41	9, 42	20	13, 24	11, 34	11, 32	11, 32	10, 40	15
7	7, 39	7, 41	6, 42	11	10, 23	9, 20	11, 4	20, 7	11, 31	1	14, 12	21, 12	16, 5	15, 10	11, 28	1
8	6, 33	7, 28	6, 41	1	12, 10	11, 12	8, 18	7, 18	8, 21	19, 23	11, 4	9, 6	5, 14	5, 16	5, 17	23
9	8, 15	9, 15	8, 20	1	7, 21	7, 23	7, 26	8, 26	7, 27	19	7, 15	7, 12	8, 5	8, 5	7, 18	7
10	5, 8	2, 7	8, 6, 15	3, 12	7, 23	5, 15	5, 15	5, 18	8, 7	25	6, 11	4, 18	5, 27	6, 28	5, 29	19
11	26, 7	28, 4	30, 10	15	6, 25	4, 14	5, 17	4, 15	6, 25	9	5, 25	4, 23	4, 24	3, 23	5, 29	1
12	30, 25	29, 23	32, 28	11	28, 8	27, 13	31, 16	31, 15	31, 18	19	2, 20	32, 12	29, 5	27, 10	3, 26	4
13	26, 10	31, 37	31, 37	17, 18	27, 10	29, 10	26, 7	29, 15	30, 15	24	27, 10	31, 13	27, 7	26, 7	29, 15	11
14	32, 34	2, 27	32, 36	10	32, 17	32, 16	29, 12	27, 12	31, 27	5	25, 10	3, 30	2, 24	3, 23	3, 30	13
15	2, 11	5, 7	32, 21	3	31, 5	30, 10	29, 10	28, 7	8, 27	4	5, 27	3, 22	4, 22	3, 19	3, 31	6
16	30, 22	—	30, 29	11	28, 7	32, 7	30, 4	21, 6	28, 10	3, 10	1, 4	32, 6	—	2, 24	4, 2, 3, 13	1, 2, 4
17	16, 19	14, 24	14, 31	21, 24	20, 9	18, 15	17, 10	18, 15	17, 19, 17	22, 24	24, 5	18, 4	17, 7	18, 9	18, 10	22
18	13, 15	13, 26	13, 32	1	18, 14	14, 21	13, 22	16, 16	12, 25	15	15, 18	13, 26	14, 21	13, 26	13, 26	13
19	12, 27	11, 24	12, 29	11	13, 11	18, 10	13, 15	13, 13	13, 15	18	15, 11	15, 12	15, 9	16, 10	14, 18	3
20	10, 15	11, 12	13, 21	2	17, 7	20, 13	8, 4	—	2	20, 14	11, 14	16, 9	15, 9	—	3, 15	4, 16, 12
21	12, 10	11, 5	12, 15	6, 7	—	3	5, 4	—	2	30, 32, 4, 4	7, 15, 17, 18	22, 12	19, 13	15, 5	9, 7	15, 15
22	21, 7	16, 7	19, 14, 8	15, 20	—	3	7, 6	10, 7	10, 4	9, 9	—	2	—	2	7, 4	11, 7
23	16, 8	14, 15	14, 19	24	—	3	7, 5	12, 9	14, 8	12, 10	6, 9	5, 4	1, 4	—	2	8, 11
24	12, 25	10, 22	10, 26	17	11, 13	19, 11	11, 8	10, 13	9, 16	22	17, 10	17, 12	17, 13	19, 15	20, 17	22
25	4, 22	2, 21	7, 30	6	31, 18	31, 29	32, 26	30, 15	32, 30	16	23, 23	23, 20	26, 21	27, 20	23, 23	9
26	32, 23	1, 14	32, 24	12	30, 16	32, 20	31, 9	28, 9	32, 20	13	28, 15	28, 17	28, 9	28, 9	27, 19	4
27	28, 7	32, 10	32, 12	16	—	3	11, 7	17, 7	15, 5	15, 11	26, 8	4, 7	—	3, 17	9, 26	5
28	6, 9	5, 18	6, 5, 21	20, 21	10, 9	11, 21	8, 18	7, 15	10, 22	14, 15	13, 17	14, 18	15, 12	15, 12	14, 19	12
29	5, 35	5, 34	5, 40	11	32, 5	1, 10	32, 13	32, 14	32, 15	19	15, 8	15, 13	15, 10	16, 7	14, 14	12
30	5, 34	5, 35	5, 39	8	21, 4	11, 4	30, 10	29, 10	29, 30, 31, 10	16, 18, 19, 20, 21, 22	15, 11	14, 12	—	1, 25, 13	14, 25, 13	12, 21
31	4, 32	4, 25	4, 35	1, 11	29, 7	31, 7	2, 12	4, 17	4, 17	21, 22	20, 9	15, 15	13, 10	12, 15	12, 19	20

ANEMOMETER RECORDS.

STONYHURST.†					SOUTHPORT.§					HOLYHEAD.†§						
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	15, 6	— 3	20, 14, 3	14, 15	— 1	24, 4	29, 7	— 3	— 12	15. 35	— 2	10, 7	— 3	4, 4	— 30	0. 5
3	5, 6	2. 5	17, 10	14	15, 7	27, 12	9, 10	3, 7	— 20	22. 10	27, 19	31, 21	32, 27	4, 26	— 54	20. 45
4	— 2	— 2	30, 6	16	32, 14	4, 12	2, 10	2, 10	— 21	0. 15	4, 21	1, 17	1, 13	3, 12	— 35	2. 5
5	22, 4	— 2	20, 22, 5	11, 12	— 2	32, 5	28, 9	— 0	— 13	15. 30	6, 11	2, 10	1, 11	2, 4	— 20	9. 40
6	9, 13	8, 12	9, 14	10	16, 7	22, 7	11, 8	11, 11	— 23	23. 55	17, 9	13, 18	11, 14	9, 12	— 25	20. 0
7	22, 4	— 2	22, 6	15	10, 19	9, 17	7, 13	7, 5	— 29	8. 50	8, 9	8, 6	6, 10	— 2	— 24	16. 30
8	4, 5	3, 6	7, 10	15	15, 4	22, 19	20, 8	15, 5	— 24	12. 55	23, 12	23, 13	— 2	10, 10	— 26	3. 45
9	6, 7	4, 4	6, 10	1	11, 9	9, 14	7, 17	7, 19	— 29	21. 40	8, 8	8, 8	7, 24	7, 23	— 36	23. 25
10	4, 6	4, 8	4, 10	22	5, 12	6, 14	5, 12	1, 10	— 23	14. 15	5, 21	6, 18	6, 18	6, 17	— 36	1. 45
11	5, 12	4, 9	4, 5, 6, 12	1, 5, 8, 11, 13, 15	7, 7	6, 10	5, 18	4, 18	— 25	16. 35	7, 16	6, 16	5, 24	5, 26	— 37	19. 25
12	24, 8	28, 8	32, 10	21	4, 13	5, 19	4, 18	3, 16	— 34	13. 45	5, 30	5, 26	6, 22	5, 28	— 45	7. 40
13	26, 7	27, 4	30, 9	24	31, 10	28, 12	28, 12	31, 13	— 26	3. 40	4, 19	32, 9	31, 10	31, 16	— 36	3. 35
14	32, 15	29, 10	31, 18	12	28, 13	27, 9	27, 7	27, 13	— 22	10. 15	— 2	29, 18	29, 15	29, 19	— 36	23. 55
15	32, 11	32, 5	32, 11	13	32, 28	32, 26	31, 19	2, 6	— 37	10. 20	2, 28	2, 23	32, 26	30, 29	— 40	21. 20
16	31, 4	28, 4	27, 7	17	5, 21	30, 19	2, 13	3, 5	— 30	3. 20	4, 34	2, 23	4, 10	4, 5	— 49	7. 35
17	18, 7	16, 10	16, 14	21	4, 6	29, 11	26, 8	27, 7	— 17	12. 5	2, 10	2, 5	— 2	30, 4	— 17	4. 50
18	9, 13	9, 13	9, 12	15	13, 7	17, 14	16, 12	15, 13	— 23	14. 55	19, 10	18, 17	18, 21	18, 17	— 35	16. 5
19	16, 14	11, 10	14, 15	10, 11	12, 21	12, 27	12, 18	12, 19	— 40	13. 10	13, 25	14, 26	15, 18	14, 15	— 42	11. 15
20	18, 4	— 0	16, 8	1, 2	14, 14	14, 17	13, 13	13, 12	— 27	12. 40	14, 18	14, 18	14, 10	16, 9	— 32	11. 45
21	— 2	— 3	22, 7	23	17, 6	30, 7	2, 7	— 3	— 18	5. 40	18, 7	17, 8	— 2	21, 5	— 16	3. 45
22	— 3	— 2	1, 7	3	21, 11	28, 7	32, 9	2, 8	— 17	1. 0	16, 6	18, 4	4, 8	5, 4	— 15	16. 25
23	— 3	— 2	2, 7	3	12, 8	15, 10	12, 6	8, 7	— 17	12. 15	— 2	19, 7	3, 4	— 3	— 13	12. 50
24	20, 4	16, 10	21, 20	22, 23	7, 13	8, 8	18, 5	13, 8	— 17	1. 40	7, 4	29, 7	— 3	18, 8	— 23	23. 50
25	30, 10	29, 14	24, 22	5	16, 10	18, 7	16, 12	21, 26	— 44	23. 30	20, 14	19, 10	19, 18	22, 26	— 52	18. 55
26	29, 10	30, 6	29, 12	2, 3, 4	28, 20	29, 21	29, 28	29, 19	— 42	1. 30	23, 19	31, 19	31, 15	29, 18	— 42	0. 20
27	24, 6	26, 5	20, 7	17	29, 25	28, 22	27, 19	27, 16	— 32	1. 25	30, 17	29, 16	29, 8	27, 7	— 25	0. 35
28	7, 8	3, 4	16, 15	21, 22	18, 5	27, 5	— 3	17, 7	— 18	0. 5	21, 7	28, 4	18, 10	15, 7	— 20	19. 30
29	15, 12	12, 7	14, 15	19, 21	11, 18	11, 18	11, 12	15, 14	— 31	11. 40	9, 15	15, 18	13, 12	20, 16	— 28	21. 45
30	20, 12	23, 9	20, 24, 12	13, 16	13, 13	14, 17	13, 15	15, 15	— 26	12. 45	15, 15	14, 14	18, 10	19, 12	— 25	11. 55
31	15, 7	4, 4	1, 12	23	20, 9	23, 16	25, 12	24, 11	— 20	11. 25	27, 7	25, 15	25, 12	25, 5	— 21	13. 35
					13, 7	15, 10	6, 14	3, 20	— 27	22. 25	15, 13	8, 11	1, 18	2, 23	— 31	20. 50

GLASGOW.†						KINGSTOWN.†						ROCHES POINT.§					
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	32, 10	— 3	32, 10	13		30, 13	2, 9	28, 10	24, 14	4, 25	1	— 18	— 15	— 13	— 16	— 27	5. 10
2	32, 10	1, 5	32, 10	12		29, 15	27, 20	26, 23	— 4	— 1	— 1	— 13	— 15	— 26	— 21	— 34	17. 20
3	— 2	8, 6	7, 7	17		26, 15	32, 16	2, 10	23, 7	26, 21	1	— 9	— 10	— 19	— 7	— 37	0. 50
4	— 3	30, 4	28, 30, 6	17, 22		24, 13	30, 9	28, 7	22, 8	24, 17	3	— 12	— 9	— 13	— 15	— 28	14. 15
5	14, 5	14, 4	16, 7	14		16, 6	16, 14	15, 8	3, 14	11, 16	12	— 0	— 9	— 6	— 11	— 18	23. 15
6	7, 16	8, 14	7, 21	22		27, 15	26, 18	24, 21	24, 24	24, 26	23	— 22	— 25	— 20	— 10	— 37	14. 20
7	7, 15	5, 12	6, 21	2		23, 18	— 2	8, 10	— 3	23, 29	5	— 14	— 18	— 25	— 12	— 39	17. 0
8	6, 12	5, 11	7, 15	5		10, 10	10, 6	8, 21	6, 25	6, 29	24	— 17	— 19	— 14	— 12	— 28	10. 45
9	4, 12	5, 13	5, 15	22, 23		5, 19	3, 19	3, 21	3, 23	6, 33	3	— 19	— 16	— 19	— 18	— 35	7. 10
10	6, 13	6, 12	5, 15	17		3, 29	4, 23	4, 28	3, 29	3, 31	5, 6, 24	— 19	— 18	— 12	— 15	— 31	14. 0
11	3, 12	3, 7	4, 12	12		3, 34	3, 32	4, 32	4, 30	4, 37	19	— 24	— 22	— 20	— 18	— 39	13. 25
12	28, 9	32, 6	1, 10	16		29, 10	32, 10	30, 10	27, 14	3, 29	1	— 18	— 19	— 14	— 20	— 31	23. 15
13	28, 8	30, 7	32, 14	24		27, 12	29, 19	25, 18	26, 21	26, 21	20, 21	— 15	— 21	— 22	— 23	— 43	13. 45
14	31, 14	32, 9	31, 17	12		30, 24	32, 29	28, 19	23, 21	32, 29	13	— 25	— 19	— 14	— 13	— 36	10. 35
15	32, 13	3, 4	2, 17	3, 4		32, 29	32, 21	2, 10	27, 14	32, 29	9	— 20	— 29	— 21	— 21	— 47	11. 30
16	— 3	22, 5	2, 22, 5	11, 18		24, 14	1, 5	13, 4	22, 4	23, 18	4, 5	— 14	— 14	— 9	— 10	— 22	17. 25
17	18, 14	15, 10	18, 14	13, 14, 16		16, 6	18, 18	16, 14	17, 13	18, 19	15	— 0	— 125	— 123	— 23	— 37	22. 45
18	11, 10	10, 11	11, 14	17		11, 35	14, 22	14, 12	13, 12	11, 35	9	— 27	— 29	— 25	— 25	— 70	6. 10
19	9, 7	11, 7	7, 10	9		13, 15	13, 14	12, 7	23, 17	23, 19	22	— 19	— 18	— 18	— 10	— 35	0. 10
20	— 3	— 2	7, 7	3, 4, 5		24, 4	4, 5	— 3	24, 12	22, 16	23	— 1	— 18	— 11	— 4	— 26	13. 35
21	8, 4	7, 5	7, 6	17		12, 7	8, 6	— 2	0	22, 10	2	— 20	— 15	— 13	— 10	— 33	10. 35
22	— 3	— 2	8, 9	19, 21		25, 4	11, 12	13, 7	— 2	11, 12	13, 14	— 11	— 22	— 8	— 10	— 29	13. 25
23	7, 4	7, 7	7, 7	21		28, 7	26, 9	14, 12	15, 10	16, 13, 16	23, 24	— 11	— 13	— 13	— 22	— 29	21. 15
24	7, 7	7, 10	6, 13	19, 20, 21		20, 7	14, 11	22, 41	22, 27	22, 41	18	— 8	— 22	— 25	— 18	— 50	16. 50
25	1, 11	1, 7	1, 14	15		23, 25	27, 19	28, 12	26, 18	22, 40	3	— 30	— 40	— 35	— 28	— 56	13. 25
26	31, 10	32, 4	32, 10	3, 12		27, 14	28, 11	28, 9	25, 4	24, 18	4	— 14	— 19	— 0	— 10	— 44	2. 35
27	22, 6	32, 4	21, 7	12		13, 7	12, 9	15, 10	14, 10	14, 18	24	— 0	— 14	— 28	— 27	— 37	16. 20
28	7, 13	7, 18	6, 16	9, 13, 20		10, 15	13, 7	14, 4	— 2	11, 26	3	— 10	— 10	— 8	— 8	— 29	3. 55
29	6, 16	6, 13	5, 12	1		22, 18	24, 16	— 3	— 3	23, 19	24	— 16	— 19	— 12	— 16	— 24	20. 35
30	5, 7	8, 5	5, 17	19		12, 8	12, 10	27, 11	27, 4	22, 19	1, 10	— 14	— 19	— 10	— 10	— 30	10. 30
31	6, 15	5, 14	5, 17	19		14, 14	11, 14	5, 12	2, 17	2, 21	24	— 16	— 25	— 25	— 25	— 39	19. 50

* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2. § Dines Pressure Tube Anemometer. ¶ Clock stopped. 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.

Particulars of the heights of the Anemometers above the ground will be given in the Introduction.

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

DEERNES, ORKNEY, a.b.—APRIL 1909.

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.	9 a.m.	9 p.m.									9 a.m.	9 p.m.				
1	ins.	ins.	39° 2	38° 0	42° 8	35° 4	4° 0	3° 0	165	173	70	75	N	18	N	11	9	10	ins.	hrs.	—	0° 5	—	Dry, cold day.		
2	29° 99	30° 22	39° 2	38° 0	42° 8	35° 4	4° 0	3° 0	165	173	70	75	N	18	N	11	9	10	—	0° 5	—	6° 2	—	Dry and cold.		
3	30° 30	30° 19	38° 0	38° 0	41° 8	35° 0	3° 0	3° 0	173	173	75	75	SE	6	SE	25	9	5	—	6° 2	—	2° 0	—	6 p. to midt.		
4	30° 07	29° 86	42° 0	41° 4	43° 8	36° 5	3° 0	1° 7	207	228	78	88	SE	33	SE	41	2	10	27	2° 0	—	0° 1	—	● till 7 a. Muggy day.		
5	29° 88	30° 02	42° 6	43° 5	45° 0	40° 0	0° 8	1° 7	256	246	93	86	S	23	S	14	10	10	0° 1	—	—	—	—	∞ a. Fine p. ☐		
6	30° 17	21	43° 2	41° 0	46° 6	40° 0	1° 5	1° 9	247	217	89	85	S	18	S	18	0	1	—	6° 7	—	—	—	Very fine day.		
7	22	22	42° 6	41° 0	46° 0	37° 5	2° 4	0° 8	223	239	82	94	SW	16	—	2	0	1	11° 3	—	—	—	—	∞∞. Very fine day.		
8	21	14	47° 0	44° 3	53° 4	37° 3	4° 3	2° 3	227	241	71	82	SW	5	SW	11	2	1	10° 9	—	—	—	—	—		
9	30° 01	30° 01	46° 2	45° 2	49° 8	40° 8	1° 5	1° 7	278	262	90	88	W	21	WNW	26	10	2	—	2° 2	—	—	—	—		
10	29° 95	29° 94	46° 0	44° 3	50° 6	43° 6	0° 8	0° 5	292	279	94	96	W	23	W	9	8	1	—	2° 9	—	—	—	Dry and breezy.		
11	78	59	49° 0	46° 8	53° 2	39° 0	2° 0	0° 5	298	309	86	96	SSW	10	SW	4	1	100	0° 8	5° 7	—	—	—	∞. ● from 6 p.		
12	39	30	47° 0	42° 5	52° 4	41° 4	0° 9	0° 7	301	257	94	94	SSW	4	W	7	9	2	0° 1	2° 8	—	—	—	Fair and mild. ☐		
13	17	04	47° 0	42° 3	51° 8	39° 8	2° 2	1° 7	273	246	85	86	SSW	10	W	16	3	10	0° 75	5° 8	—	—	—	● after 4 p.		
14	19	16	47° 0	42° 3	51° 8	39° 8	2° 8	1° 0	257	249	80	92	S	4	ESE	17	1	10	11° 1	—	—	—	—	Breezy p. Rough sea.		
15	32	57	39° 0	43° 4	43° 4	37° 5	2° 9	3° 0	184	181	77	77	E	19	SE	16	10	10	1° 0	1° 0	—	—	—	Cold a. ● showers p.		
16	61	59	41° 0	41° 0	46° 0	37° 0	0° 7	1° 0	242	235	94	92	SE	5	—	2	7	1	0° 1	5° 6	—	—	—	—		
17	54	52	46° 2	43° 3	48° 8	38° 2	1° 7	0° 5	274	270	89	96	SSE	10	SE	4	1	9	—	7° 5	—	—	—	Fine day. Breezy.		
18	46	35	46° 0	44° 0	48° 0	40° 7	2° 3	0° 5	259	277	84	96	SE	10	S	10	7	1	5° 1	—	—	—	—	Breezy. ● 7 p.		
19	36	46	49° 2	43° 2	52° 6	40° 6	3° 0	1° 3	278	251	79	90	SSW	12	—	1	1	2	1° 55	8° 2	—	—	—	—	Very fine a. ● 4 p.—5 p.	
20	55	52	48° 0	44° 9	50° 0	38° 8	2° 2	1° 1	281	272	85	92	S	9	SE	22	1	9	—	8° 4	—	—	—	—	Very fine a.	
21	41	77	46° 0	43° 0	47° 8	41° 0	2° 0	2° 0	265	234	86	84	SE	25	—	3	10	1	0° 93	1° 0	—	—	—	—	● p.	
22	86	78	43° 3	41° 5	48° 3	38° 5	3° 1	0° 5	265	251	78	96	SE	15	SE	24	1	10	—	4° 6	—	—	—	—	Fine and breezy.	
23	56	38	43° 2	44° 3	45° 8	39° 3	0° 7	1° 3	264	261	94	90	SE	26	SE	31	10	9	0° 1	0° 3	—	—	—	—	Dull day.	
24	26	38	40° 2	46° 0	50° 4	42° 2	0° 4	1° 0	304	287	98	93	SE	12	NW	5	7	8	0° 05	5° 6	—	—	—	—	Fine a. ● showers from 2 p.	
25	37	28	43° 8	43° 8	46° 6	39° 8	0° 0	1° 3	286	249	100	90	N	8	NNE	7	10	≡	—	4° 3	—	—	—	—	≡ till noon.	
26	22	38	45° 5	42° 0	48° 0	39° 8	1° 5	1° 2	270	241	89	91	NW	15	NW	12	9	2	—	2° 3	—	—	—	—	Cold and breezy.	
27	47	51	46° 2	40° 0	48° 5	35° 9	4° 0	1° 5	227	217	73	88	NW	10	—	1	3	7	1° 65	8° 9	—	—	—	—	Heavy cum. all day.	
28	47	48	43° 8	39° 8	45° 2	37° 8	2° 8	1° 7	226	211	78	87	NE	14	—	3	7	3	—	1° 3	—	—	—	—	● 4 a.—7 a.	
29	47	43	44° 5	39° 4	45° 0	36° 0	3° 4	1° 4	221	214	75	89	—	2	NE	7	7	8	2° 8	2° 1	—	—	—	—	—	● showers all day.
30	50	57	39° 0	34° 9	43° 0	33° 0	2° 5	1° 4	190	175	81	87	NW	11	NNW	16	4	4	—	7° 7	—	—	—	—	—	● a. * 2 showers p.
31	59	29° 69	37° 0	37° 0	41° 3	30° 6	2° 2	2° 2	182	179	83	81	NW	20	NW	22	6	8	—	8° 3	—	—	—	—	—	* 2 showers.
M.	29° 647	29° 651	44° 3	41° 9	47° 4	38° 3	2° 1	1° 4	247	237	84	89	14	13	5° 8	6° 0	17° 13	150	—	—	—	—	—	—	—	—

TILLYPRONIE, ABERDEENSHIRE.—APRIL 1909.

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.			
							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.	36°0	30°2	41°0	30°0	3°5	1°9	150	121	70	72	NE	2	NE	1	9	9	ins.	hrs.	°
2	28°21	29°17	34°5	32°2	40°5	29°8	2°7	1°2	148	155	74	85	NE	4	E	5	2	0	—	—	26
3	29°07	28°94	35°2	37°8	40°2	29°2	1°4	1°8	179	192	87	85	SE	8	SE	10	5	8	—	—	26
4	28°91	29°06	38°0	39°8	41°8	32°8	1°2	3°8	204	174	89	71	SE	8	SE	6	5	8	05	—	27
5	29°15	17	38°0	32°0	47°0	30°0	3°0	2°5	173	127	75	70	S	1	SE	2	3	6	02	—	31
6	20	16	40°5	36°0	53°2	31°2	1°5	1°0	220	193	88	91	SE	1	S	1	0	0	—	—	26
7	20	20	39°6	37°0	59°8	31°0	0°4	0°8	235	204	97	93	SW	1	SW	2	2	0	—	—	27
8	29°11	29°06	51°8	42°8	61°8	32°0	7°8	4°3	212	192	55	69	W	1	W	1	0	0	—	—	27
9	28°08	28°90	49°8	38°2	61°0	34°8	8°6	3°2	181	171	51	74	W	1	W	1	0	0	—	—	30
10	82	64	51°2	44°0	61°0	35°0	5°4	1°5	249	255	66	88	W	1	W	3	0	6	—	—	31
11	41	34	51°8	40°5	57°0	37°0	6°3	2°5	239	202	63	80	W	2	W	4	2	0	—	—	31
12	21	11	42°8	37°8	47°5	34°5	5°0	3°3	181	168	65	73	W	1	SE	6	6	0	—	—	30
13	19	10	46°5	37°5	51°0	36°5	5°7	1°5	199	195	63	87	SE	4	SE	1	2	8	51	—	30
14	22	57	34°0	34°8	38°0	32°5	0°8	0°8	180	186	91	92	SE	4	SW	2	8	6	—	—	30
15	60	62	47°8	40°1	54°0	30°5	3°0	2°8	263	193	80	77	S	2	W	3	6	6	—	—	30
16	53	47	39°1	36°0	41°2	32°8	1°3	1°0	213	193	89	91	S	3	SW	1	9	2	14	—	28
17	45	39	40°5	39°8	51°0	31°2	1°5	1°8	220	209	88	86	S	2	S	1	6	0	—	—	28
18	38	50	46°0	37°8	54°8	33°0	4°2	1°8	221	192	72	85	S	1	S	1	3	0	—	—	28
19	53	51	46°0	39°8	54°6	32°0	3°5	1°6	235	213	76	88	SW	2	SE	8	4	2	13	—	29
20	37	76	41°0	38°0	53°2	37°9	1°0	2°8	235	176	92	77	S	1	SW	2	9	0	01	—	32
21	81	70	46°2	37°0	51°0	31°8	5°2	0°8	205	204	66	93	S	3	SE	6	2	9	02	—	26
22	49	20	43°0	47°5	51°1	35°8	0°2	0°5	273	316	98	96	SE	2	SE	2	9	10	19	—	31
23	25	36	45°2	47°7	55°2	37°2	2°4	2°2	247	279	83	85	S	4	S	1	7	2	—	—	35
24	33	25	49°0	46°5	56°5	38°2	3°2	3°1	272	246	78	79	W	1	S	2	6	8	—	—	34
25	23	41	46°5	41°9	55°4	36°2	2°5	1°1	259	244	82	92	NW	3	NW	2	8	9	25	—	33
26	45	44	37°8	36°8	47°2	36°2	0°8	0°6	210	206	93	95	NW	1	NW	1	8	9	38	—	33
27	39	45	37°8	36°8	47°0	36°2	0°8	0°8	219	202	97	93	NW	1	NW	1	9	9	09	—	30
28	46	37	40°2	37°2	47°2	31°0	2°2	2°0	205	184	83	83	N	1	N	1	9	9	06	—	33
29	46	55	38°0	30°8	47°2	29°0	1°0	1°0	208	147	91	86	N	3	N	1	8	7	28	—	26
30	28°60	28°69	35°2	29°2	40°0	26°5	2°7	0°4	155	150	75	93	N	3	N	2	6	2	23	—	23
M.	28°631	28°642	42°3	38°1	50°0	33°0	2°9	1°8	213	196	79	84	2°4	2°7	5°3	4°2	2°67	—	29°5		

LAUDALE, ARGYLESIRE, a.—APRIL 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 in.

1	30°14	30°39	44°9	36°1	48°2	33°2	6°2	2°1	178	174	59	81	E	4	Calm	0	4	0	—	—	—	Fine day.
2	37	26	41°7	45°5	47°2	29°0	5°0	5°5	171	193	65	63	E	5	S	7	2	1000	°06	—	—	Cold, with ● showers.
3	14	05	41°2	43°2	45°5	39°0	2°1	1°2	215	253	84	90	S	8	S	8	1000	100	1°12	—	—	—
4	12	23	45°7	44°2	47°9	42°0	1°5	4°2	273	203	90	70	S	6	S	5	100	10	—	—	—	—
5	31	30	44°9	49°2	53°2	40°0	4°2	7°2	211	198	70	56	E	5	S	3	10	0	—	—	—	Fine day.
6	38	40	48°2	37°2	59°9	32°2	7°7	2°0	180	184	54	83	E	4	N	1	1	1	—	—	—	Very fine day.
7	40	36	45°9	41°7	60°3	33°1	4°0	2°7	225	209	72	80	Calm	0	Calm	0	0	000	—	—	—	Very fine day.
8	35	29	48°0	39°2	58°9	32°3	3°8	0°7	247	226	74	94	Calm	0	Calm	0	0	000	—	—	—	Very fine day.
9	24	30°15	42°0	42°2	59°1	32°0	0°8	1°2	249	243	94	90	Calm	0	Calm	0	5	1	—	—	—	Very fine day.
10	30°01	29°82	53°9	48°9	63°2	35°9	6°0	3°7	267	260	64	75	Calm	0	Calm	0	000	3	°07	—	—	Fine day.
11	29°57	59	49°0	45°9	52°3	42°1	0°8	2°9	327	245	94	80	W	3	W	4	100	7	°35	—	—	Overcast, with ● showers.
12	31	34	44°2	45°0	49°9	41°3	1°0	3°8	268	218	93	73	S	5	W	5	100	10	°81	—	—	Strong wind and ●.
13	41	14	44°5	42°2	51°3	39°0	1°5	1°2	259	243	88	90	W	1	S	6	100	9	°63	—	—	●. Strong wind p.
14	41	70	46°0	44°0	49°9	39°1	1°8	2°5	269	234	87	81	NW	5	NW	4	9	7	°31	—	—	—
15	80	79	49°1	46°1	53°2	40°0	2°6	2°1	286	204	82	85	Calm	0	W	2	8	8	°12	—	—	Fine day.
16	65	66	44°2	45°9	49°9	42°0	1°1	2°0	265	265	92	86	SE	2	S	1	100	9	°14	—	—	● showers.
17	53	49	46°1	45°2	54°9	42°2	1°3	1°5	282	266	91	89	SE	4	W	4	100	8	°47	—	—	● showers.
18	57	64	47°2	46°3	52°3	42°0	3°2	1°8	251	272	78	88	S	4	S	3	8	7	°07	—	—	Fine, but cold.
19	68	51	46°5	54°2	56°9	41°9	2°5	6°0	259	270	82	64	SE	5	SE	5	10	10	°42	—	—	Fine, but cold.
20	59	95	48°2	44°9	54°2	43°1	1°5	2°6	300	240	90	81	W	5	W	4	100	2	°04	—	—	Fine, but cold.
21	90	73	50°1	48°2	55°2	38°0	5°9	6°2	229	205	63	61	SE	5	E	5	3	10	—	—	—	Fine, but cold.
22	48	24	48°9	52°3	56°2	42°0	4°0	2°3	254	331	73	84	SE	7	S	7	10	100	—	—	—	Cold, with ● showers.
23	39	49	50°2	50°6	58°0	45°2	4°2	4°3	263	265	73	72	S	4	S	5	90	5	°36	—	—	Cold, with ● showers.
24	45	38	52°3	47°9	55°2	45°0	3°0	0°9	315	310	80	93	S	2	Calm	0	80	9	°10	—	—	Fine, but cold.
25	47	55	50°9	44°1	55°2	42°0	2°0	1°1	323	264	87	91	NW	4	W	1	3	3	°17	—	—	Fine day.
26	58	55	47°1	45°0	53°2	39°0	1°6	0°5	286	287	89	96	E	2	SE	3	10	100	°30	—	—	Cold and misty.
27	66	69	44°3	41°2	49°0	40°3	1°1	1°0	266	237	92	93	E	4	NW	4	10	3	°09	—	—	Cold, with ● showers.
28	64	58	43°2	40°2	47°2	33°0	2°0	1°2	236	224	85	90	E	1	E	4	100	100	°32	—	—	Cold, with ● showers.
29	82	29°83	44°2	39°2	47°1	32°5	4°2	2°5	203	192	70	80	Calm	0	N	5	2	3	—	—	—	* ² ▲ ² showers.
30	29°94	30°04	41°1	34°9	47°5	33°5	3°6	1°7	188	169	74	83	N	4	N	5	4	3	°11	—	—	* ² ▲ ² showers.
M.	29°809	29°804	46°5	44°4	53°1	38°4	3°0	2°6	252	238	80	81	3°3	3°4	6°9	6°0	6°12	—	—	—	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—APRIL 1909.

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 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.	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.	30°25	38°4	34°3	44°0	33°2	1°8	1°3	197	172	86	86	NE	3	NE	1	10	5	ins.	hrs.	°	Cloud and sunshine.		
2	29°37	30°35	26	39°8	36°6	44°9	26°0	2°4	1°6	199	186	81	86	SE	1	SE	1	5	5	—	—	—	Fine.		
3	19	19	09	38°9	40°5	47°0	33°7	1°9	0°7	200	237	85	94	SE	1	SW	5	10	10	20	—	—	—	Dull and cloudy. ● from 6p.	
4	16	10	40°5	41°5	45°2	38°6	0°8	1°7	235	227	94	87	SW	1	SW	1	10	0	0	—	—	—	—	Dull, with ∞.	
5	26	28	45°8	37°2	49°8	33°0	2°1	0°4	261	214	85	96	SE	1	SE	1	5	0	0	—	—	—	—	Cloud and sunshine.	
6	31	29	39°9	36°7	48°3	32°4	1°5	0°5	216	208	88	96	SE	1	N	1	10	0	0	—	—	—	—	Dull to 9a., then fine.	
7	28	20	40°2	39°9	57°6	30°8	0°6	0°6	237	234	95	94	SW	1	E	1	5	0	0	—	—	—	—	Dull to 8a., then fine.	
8	17	30°09	48°0	42°8	65°0	36°2	2°0	1°3	285	247	86	90	SW	1	NE	1	0	5	0	—	—	—	—	Fine.	
9	30°03	29°97	46°0	40°2	60°2	34°8	1°5	0°6	276	237	90	95	SW	1	SE	1	10	5	0	—	—	—	—	Cloudy to 8a., then fine.	
10	29°87	65	48°5	50°8	62°4	33°2	3°5	2°9	259	299	76	80	W	1	SW	1	0	10	0	—	—	—	—	Fine to 2.30p., then dull.	
11	47	39	51°9	44°9	55°6	41°2	2°9	3°2	311	229	81	77	SW	1	W	1	10	5	0	—	—	—	—	Cloud and sunshine.	
12	29	18	45°2	41°0	49°7	34°4	2°4	1°7	247	221	83	86	SW	1	W	1	10	5	19	—	—	—	—	Fine to 9a. ● 10a.—1p.	
13	28	13	45°5	39°9	54°6	34°0	2°8	0°4	243	238	80	97	SW	1	SW	1	10	10	45	—	—	—	—	Fine till 4p. Dull. ● from 5p.	
14	27	58	40°5	39°2	47°0	37°0	0°8	0°5	235	230	94	96	SW	1	NE	1	10	10	11	—	—	—	—	Dull, with ● showers all day.	
15	71	67	41°7	44°4	54°0	34°7	1°2	1°4	239	260	91	89	SW	1	SW	1	10	5	10	—	—	—	—	● showers. Cloud and sunshine.	
16	55	54	41°6	40°7	45°7	34°6	0°4	0°3	254	248	97	97	SE	1	W	1	10	10	26	—	—	—	—	Dull. ● 7a.—2.30p.	
17	52	53	42°9	45°9	52°6	33°0	0°7	1°0	260	288	95	94	SE	1	SW	1	10	10	07	—	—	—	—	Dull. ● showers.	
18	47	53	49°3	44°8	55°9	39°0	2°5	1°3	291	267	83	90	SW	1	SE	1	10	10	—	—	—	—	—	Cloud and sunshine.	
19	61	50	50°2	43°7	53°8	34°9	3°3	1°2	282	258	78	90	SW	1	SE	2	10	10	52	—	—	—	—	Cloud and sunshine. Dull from	
20	46	83	45°0	44°9	53°6	42°4	0°4	0°4	289	208	97	69	SW	1	SW	1	10	5	05	—	—	—	—	● till 9a. ▲ showers. [4.30p.	
21	87	74	47°8	41°8	52°0	33°5	2°9	1°4	265	236	80	89	SE	1	SE	1	5	10	—	—	—	—	—	Dull and cloudy from 11a.	
22	54	29	41°6	43°7	49°0	38°5	0°7	0°3	249	278	95	97	SE	5	SE	3	10	10	35	—	—	—	—	Dull and cloudy. ● from 6p.	
23	31	24	50°2	47°0	57°7	42°3	3°0	1°0	289	298	80	93	SW	3	SW	1	10	5	03	—	—	—	—	Dull to 10a. Fine to 7p.	
24	35	41	52°2	44°2	55°6	42°0	3°0	0°3	313	284	80	98	E	1	NE	1	10	10	17	—	—	—	—	Cloud and sunshine.	
25	31	43	45°2	48°6	55°9	43°8	0°6	2°2	287	290	96	85	SE	1	SW	1	10	10	12	—	—	—	—	● till 11a., then dull.	
26	48	43	45°2	48°6	55°9	43°8	0°6	2°2	292	258	96	97	NE	1	NE	3	10	10	23	—	—	—	—	● to 8a. Dull. ● 10a.—5p.	
27	41	43	45°5	42°0	50°2	41°0	0°6	0°4	281	254	91	95	NE	1	NW	1	10	10	28	—	—	—	—	Dull and cloudy. ● 3p.—8p.	
28	53	45	46°2	42°0	50°8	40°7	1°4	0°6	281	254	91	95	NE	1	NE	1	10	10	11	—	—	—	—	Dull. ● showers 11a.—6p.	
29	53	62	44°2	40°2	47°2	37°0	1°7	1°3	235	222	87	90	SW	3	SE	1	10	10	—	—	—	—	—	Dull. ● (sleet) ● showers.	
30	72	29°78	40°5	33°9	46°8	32°0	3°2	0°4	222	198	76	96	NW	1	NE	1	5	10	01	—	—	—	—	—	Cloud and sunshine.
M.	29°707	29°700	44°5	41°6	52°0	36°1	1°9	1°2	254	239	87	90	1°4	1°3	8°3	7°0	3°46	—	—	—	—	—	—	—	—

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—APRIL 1909.

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. hrs.	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.	41.0	38.5	45.0	34.1	4.7	3.6	in.	in.	%	%	†	†			ins.	hrs.			
2	29.67	29.98	41.0	38.5	45.0	34.1	4.7	3.6	.169	.167	66	71	ENE	8	NE	2	6	—	9.5	31	● n. Fine a.
3	30.14	30.11	39.9	36.5	44.6	34.0	4.0	2.5	.172	.170	70	78	NW	1	SE	4	8	—	4.1	33	Cloudy.
4	29.99	30.00	39.4	37.8	44.1	34.9	3.2	1.6	.181	.196	75	87	SE	5	SE	5	9	—	1.1	29	Cloudy.
5	30.10	30.08	39.0	39.9	42.3	29.0	2.8	5.1	.185	.155	78	64	SE	5	SE	3	8	—	2.5	35	Cloudy.
6	30.09	30.09	44.0	36.9	45.3	30.0	2.5	0.1	.234	.217	81	99	SE	2	SE	2	3	—	11.7	25	Fine and bright.
7	30.10	30.09	41.1	42.4	52.5	28.0	3.2	3.5	.194	.201	76	74	Caln	0	SE	1	2	—	9.5	26	Fine.
8	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.202	.225	57	73	W	3	W	1	2	—	10.2	25	Fine and bright.
9	29.86	29.86	40.3	40.3	58.1	38.1	11.7	4.0	.209	.229	44	92	NW	2	SSW	2	1	—	10.3	33	Fine and bright.
10	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.208	.208	62	93	W	3	W	4	1	—	10.8	34	Fine and bright.
11	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	9.8	33	Fine and bright.
12	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	6.4	39	Fine.
13	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine, then ●.
14	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Cloudy, with ●.
15	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine, then ● showers.
16	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
17	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
18	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
19	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
20	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
21	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
22	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
23	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
24	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
25	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
26	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
27	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
28	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
29	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
30	30.00	30.00	41.1	42.4	52.5	28.0	3.2	3.5	.212	.212	77	86	W	5	W	5	3	—	10.6	34	Fine.
M.	29.538	29.535	46.1	41.9	51.0	35.8	3.6	1.8	.238	.232	76	87	3.7	2.7	5.9	4.7	2.75	162	33.2		

DOUGLAS, ISLE OF MAN, a.—APRIL 1909.

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	29.74	30.06	38.8	40.2	46.0	36.0	3.8	3.6	166	180	71	72	NE	4-5	E	4	9	—	8.3	32	Fine.
2	30.16	30.05	40.3	42.8	43.9	36.8	3.7	3.0	180	213	71	78	ESE	4-5	E	4-5	9	0.37	2.5	31	Dull 9a.-2p., then overcast.
3	30.00	30.06	40.4	41.2	43.3	40.0	1.4	1.0	222	237	89	93	SE	4-5	SSE	3-4	10	0.58	—	32	Overcast, with ●.
4	29.99	30.00	44.2	44.0	45.5	39.9	3.5	3.8	216	209	74	72	SSE	4-5	E	2	10	—	0.4	35	Dull and overcast.
5	30.06	30.01	41.5	42.0	50.3	37.0	3.5	5.0	193	174	74	66	E	3	E	3-4	9	—	0.8	35	Dull till 7p.
6	30.08	30.01	44.4	48.3	53.3	36.2	9.6	1.8	127	204	43	88	E	3	NE	1	0	—	11.3	32	Very fine.
7	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	183	183	50	66	E	1	ENE	1	0	—	11.8	31	Very fine.
8	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	237	193	66	62	ESE	2	NW	1	0	—	10.4	30	Very fine. ≡ 5p.-7p.
9	29.96	29.89	53.2	47.2	59.9	40.5	7.6	4.2	230	231	56	72	SE	1	NW	1	0	—	11.3	34	Very fine.
10	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	235	263	55	79	SW	1	SW	1	0	—	11.1	33	—, Very fine.
11	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	Cloudy, with ● showers. (
12	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
13	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
14	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
15	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
16	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
17	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
18	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
19	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
20	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
21	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
22	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
23	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
24	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
25	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
26	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
27	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
28	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
29	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
30	30.06	30.01	49.9	46.0	59.7	38.8	5.4	5.8	286	246	100	83	SSW	4	W	4	10	10.79	5.5	36	● 7a.-11a. and 6p.-8p.)
M.	29.595	29.597	46.3	44.4	51.7	40.3	3.1	2.0	250	251	80	85	3.0	2.4	6.4	4.3	3.427	190	35.1	34	*. ▲. * (sleet) showers.

SHREWSBURY, SHROPSHIRE.—APRIL 1909.

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.	9 a.m.		9 p.m.			
1	ins.	ins.	40.0	36.0	49.0	35.6	2.4	3.0	in.	in.	%	%	†	†			ins.	hrs.	°	Dull a., then bright.		
2	29.76	30.11	40.0	36.0	49.0	35.6	2.4	3.0	200	158	81	74	NNE	1	SE	1	10	0	—	29	Fine, bright day.	
3	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	162	194	63	77	SE	1	SE	2	0	8	—	29	Dull day. Cold wind.	
4	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	195	198	78	72	SE	2-3	SE	3	10	8	—	30	Dull a., then bright.	
5	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	181	160	63	61	SSE	3-4	SSE	2	9	2	—	30	Bright and warm.	
6	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	187	188	70	78	ESE	3	SE	2	3	0	—	30	Bright, warm day.	
7	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	198	212	90	66	E	1-2	E	1	4	0	—	30	Bright, warm day.	
8	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	194	205	66	83	SE	1	SE	1	0	0	—	30	Bright, warm day.	
9	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	221	219	72	79	SE	1	SE	1	0	0	—	30	Bright, warm day.	
10	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	236	226	66	92	SE	1	SE	1	0	0	—	30	Bright, warm dry.	
11	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	216	229	61	57	SSE	1	NW	1	0	0	—	30	Bright, warm day.	
12	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	221	269	46	87	NW	2	NW	3	4	—	—	30	Bright. Cloudy intervals.	
13	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	261	251	78	87	SW	3	W	4	7	100	07	—	30	Cloudy. ° 10a. and 3p.
14	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	294	335	79	86	SW	3	W	4	10	10	19	—	30	Dull. ° 10a.-4p.
15	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	250	238	70	77	NW	4	NW	2	10	0	—	30	Cloudy a., then fine.	
16	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	253	209	72	70	WNW	1	W	2	7	0	01	—	30	Cloudy day.
17	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	249	239	60	80	SSW	4	NW	2	7	0	—	30	Cloudy till 11a., then fine.	
18	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	333	347	71	92	SSW	3-4	NW	2-3	7	6	03	—	30	Dull. ° 5p.-8p.
19	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	272	265	71	86	SW	3	SW	1	7	0	05	—	30	Dull till 3p., then bright.
20	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	266	362	74	84	SE	2	SE	3	8	100	23	—	30	Dull till 5p. ° n.
21	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	219	64	74	74	NW	4	NW	1	6	0	—	30	Fine and bright.	
22	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	273	65	85	SSW	4	SSE	5-6	2	0	0	—	30	Fine, bright day.	
23	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	326	69	95	SSE	4	SSE	2	8	3	21	—	30	Dull a. ° p.	
24	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	279	88	80	SSW	3	SSW	2	6	0	21	—	30	° showers a. Bright.	
25	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	253	74	85	WSW	3	WSW	1	6	5	03	—	30	° n. and during day.	
26	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	261	206	66	93	SSW	3	SW	1	7	4	15	—	30	° showers a. and p. T 7.30p.
27	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	284	208	71	71	SSW	1	NW	1	7	10	01	—	30	° showers.
28	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	238	245	65	88	WNW	5	W	1	6	100	18	—	30	° showers. ▲ 4.30p.
29	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	217	215	63	79	W	3	NW	2	6	3	21	—	30	Dull, with ° showers.
30	29.78	30.13	40.0	36.0	49.0	35.6	2.4	3.0	193	205	69	86	NW	3	NW	3	6	100	16	—	30	▲ a. ° afternoon and n. (vals. °° (sleet). ▲ a. Sunny inter-
M.	29.722	29.711	48.7	45.3	58.2	36.8	4.6	2.8	242	244	70	80	2.6	2.0	5.7	3.5	1.83	—	34.0			

CAMBRIDGE, a.—APRIL 1909.

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	29.85	30.29	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny intervals.
2	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Cloudy with cold wind.
3	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Cold wind.
4	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Fine and sunny.
5	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Clear and sunny.
6	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Cloudless day.
7	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Continuous sunshine.
8	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Continuous sunshine.
9	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny Sa.—5p. ∞
10	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Continuous sunshine.
11	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny a., then overcast.
12	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Overcast. ∞ a. and p.
13	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Overcast till 11.30a.
14	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Fine and sunny.
15	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Overcast till 2.30p.
16	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Overcast most of day.
17	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Fine and sunny.
18	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Fine and sunny.
19	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	∞ early a. Fine day.
20	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny till 3p.
21	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	∞ a. Sunny till 4p.
22	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Fine and sunny.
23	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Overcast till 11a.
24	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny day. K noon.
25	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Continuous sunshine.
26	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	∞ 7p.
27	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny till 3.30p.
28	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	Sunny 5a.—2p. ∞ from 4p.
29	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	∞ a. Sunny day.
30	30.43	30.43	40.6	35.5	50.3	35.5	2.1	3.1	211	151	84	72	N	3	N	1	10	0	—	5.2	40	
M.	29.940	29.924	50.4	45.8	60.2	36.6	5.0	3.1	255	246	69	78	2.7	1.9	5.0	3.6	1.69	261	32.7			

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—APRIL 1909.

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

SOUTHAMPTON, HAMPSHIRE, a.—APRIL 1909.

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.	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.	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Overcast day.
2	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	— a. Fine day. ☐ p.
3	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. Cool wind.
4	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. Cool wind.
5	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
6	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
7	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
8	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
9	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
10	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
11	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
12	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
13	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
14	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
15	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
16	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
17	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
18	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
19	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
20	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
21	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
22	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
23	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
24	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
25	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
26	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
27	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
28	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
29	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
30	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐
M.	29.85	30.20	46.0	38.5	47.5	38.3	2.8	3.1	175	80	75	NW	4	NE	4	10	0	Fine day. ☐

PLYMOUTH, DEVONSHIRE, a.—APRIL 1909.

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	29.85	30.12	46.4	44.6	53.5	43.8	3.6	2.8	236	234	76	80	NW	9	E	9	10	8	0.2	2.7	40	☉ showers p.
2	30.32	31.42	42.8	42.8	45.8	38.5	3.6	2.9	203	215	73	78	E	19	SE	14	7	10	—	3.2	34	Dull and dry.
3	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Overcast and cold.
4	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Dull a., then fine.
5	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine.
6	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Very fine and sunny.
7	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Very fine and sunny.
8	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Very fine and sunny.
9	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Very fine and sunny.
10	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine a. Dull afternoon.
11	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ a.
12	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Dull all day.
13	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ then fine.
14	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Bright and sunny.
15	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ a. Sunny p.
16	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Dull, with ☉ showers.
17	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Dull, with ☉.
18	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Overcast, with ☉.
19	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine and sunny.
20	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine, but windy.
21	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ 10a.—2p.
22	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine. ☉ in afternoon.
23	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Sunny intervals.
24	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine and dry.
25	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ showers.
26	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ showers a.
27	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine till evening.
28	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	☉ a. ☉ showers.
29	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	Fine. ☉ shower p.
30	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	
M.	29.87	30.43	43.0	43.6	47.3	42.2	3.6	2.8	244	224	75	79	SE	21	ESE	15	10	10	—	4.0	—	

* Miles per hour.

† Beaufort Scale (0—12).

‡ No Record.

ARMAGH, a.—APRIL 1909.

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- ing 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.								in.	in.	%	%	*	*								
2	29°87	30°11	41°7	37°7	45°3	35°5	5°1	2°4	°170	°181	65	79	—	3	E	6	8	0	ins.	hrs.	°		
3	30°14	30°00	40°6	39°6	41°8	35°3	4°9	4°6	°163	°159	64	66	SE	10	SE	20	10	10	°140	—	29		
4	29°86	29°85	43°3	44°0	45°3	38°8	1°5	1°0	°248	°265	88	92	S	22	SSE	15	10	100	°442	—	31	Very stormy n. and a.	
5	29°94	30°00	44°4	42°0	49°8	41°5	2°1	2°8	°246	°211	84	79	S	15	SE	11	100	10	°020	°0°3	41		
6	30°08	°04	45°2	43°6	50°9	40°8	5°0	6°0	°199	°170	66	60	SSE	7	E	4	10	0	—	°25	34		
7	°15	°17	42°5	40°6	53°9	32°1	2°7	4°2	°216	°174	80	69	NE	5	—	2	3	0	—	°107	27	— early a.	
8	°21	°18	44°6	41°5	61°3	31°8	3°0	5°5	°230	°140	78	56	—	2	—	0	2	0	—	°106	25	— early a.	
9	°16	°09	47°4	47°5	62°5	33°0	5°4	5°5	°211	°210	65	65	—	1	—	1	0	0	—	°110	25	— early a.	
10	30°04	29°95	51°6	49°0	68°3	35°1	5°0	6°4	°263	°210	70	60	—	2	S	6	0	2	—	°112	29	— early a.	
11	29°85	°68	55°4	52°5	66°1	40°5	8°4	8°5	°239	°206	54	52	SSW	7	SSW	8	0	4	—	°119	31		
12	°48	°52	51°6	40°0	58°1	40°0	2°9	2°0	°309	°207	80	84	SW	7	WSW	4	9	0	°150	°42	36		
13	°22	°30	48°5	44°0	54°7	39°0	0°9	3°0	°319	°230	93	78	SSW	16	W	7	10	10	°037	°62	37		
14	°28	°20	46°4	44°0	54°5	41°1	1°1	3°1	°289	°222	92	76	S	7	W	10	100	9	°253	°02	38		
15	°35	°62	47°6	40°0	50°9	38°5	3°8	3°5	°244	°181	74	73	SW	9	SW	4	0	0	—	°120	36		
16	°71	°65	48°0	45°6	55°1	38°1	2°4	1°9	°276	°263	83	86	SW	4	—	3	1	10	°343	°63	35		
17	°46	°50	46°3	45°5	54°8	39°8	1°7	3°9	°274	°221	88	70	W	4	SW	5	10	0	°065	°54	38		
18	°35	°40	53°0	44°5	56°9	43°8	5°3	4°2	°271	°207	68	70	SW	13	SW	10	90	2	—	°84	37		
19	°45	°50	48°6	45°7	55°5	39°0	4°1	3°6	°248	°229	72	75	SSW	12	—	3	8	7	°060	°82	36		
20	°45	°28	51°4	47°6	54°1	45°0	3°0	1°8	°305	°286	80	88	SE	10	S	11	4	100	°027	°17	37		
21	°54	°76	48°4	43°6	54°7	41°5	4°7	5°0	°234	°186	69	65	SE	12	—	3	3	1	°015	°107	39		
22	°62	29°37	47°6	47°5	55°0	42°0	4°0	6°0	°240	°202	73	62	SE	15	E	7	10	10	°103	°02	34		
23	°11	28°97	47°3	49°5	54°0	45°1	1°1	5°4	°299	°232	92	66	SE	20	SSE	20	100	2	°045	°43	43	Very stormy.	
24	°25	29°32	52°3	45°0	58°9	45°0	4°7	2°0	°276	°253	70	85	S	12	SSW	5	7	10	°357	°70	43		
25	°23	°23	51°4	46°0	53°2	42°0	2°5	2°0	°317	°265	83	86	—	2	—	2	10	10	°127	°09	38		
26	°32	°36	50°5	45°2	56°2	40°1	4°1	1°5	°268	°266	73	89	SW	5	—	3	9	8	°152	°59	38	T 4.15p.	
27	°32	°30	50°5	46°5	53°0	44°2	2°1	0°8	°314	°298	86	94	SE	5	—	2	10	10	°397	°10	39		
28	°40	°60	49°4	41°4	54°0	41°4	2°1	2°0	°300	°220	86	85	NW	5	WSW	4	9	0	°050	°29	38		
29	°60	°58	46°8	41°5	54°0	38°4	4°8	3°5	°216	°193	68	74	SW	13	SW	10	9	2	°090	°80	33	▲ 1.20p. and 2.20p.	
30	°52	°69	48°4	36°3	54°2	35°3	4°9	2°6	°231	°167	68	78	SW	5	—	3	2	0	°085	°93	31	T 2p. - 3p.	
31	29°86	29°92	45°0	35°8	49°2	32°8	3°9	2°6	°216	°162	73	77	NW	5	—	2	9	1	°145	°65	27	▲ shower 1p.	
M.	29°627	29°638	47°9	43°8	54°7	39°2	3°6	3°6	°254	°214	76	75		9		6	6°7	4°7	3°073	175	34°8		

DUBLIN (PHENIX PARK), a.—APRIL 1909.

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.	Min.		
1	ins.	ins.	41.6	43.3	44.9	39.4	3.4	3.3	.197	.212	75	76	NE	8	E	9	9	ins.	3.2	36	Cloudy.
2	29.91	30.16	40.5	43.3	44.9	39.4	2.8	1.3	.197	.224	79	90	SE	10	SE	17	10	.118	3.2	32	Overcast.
3	30.24	30.12	44.0	45.9	46.9	39.9	1.6	2.0	.252	.265	87	86	SE	12	S	13	100	1.300	3.8	38	all day.
4	.01	29.99	45.5	44.4	46.9	41.9	2.2	0.9	.255	.272	84	93	S	7	SE	17	100	.275	4.0	40	all day.
5	.05	30.09	43.1	35.5	48.6	35.2	3.7	0.9	.203	.191	73	92	SE	8	—	1	10	.05	2.8	28	all day.
6	.14	.08	45.0	39.5	50.4	32.7	2.9	0.6	.235	.230	79	95	ESE	5	—	3	8	—	10.5	27	Overcast.
7	.19	.24	46.2	38.2	58.4	28.9	2.4	0.5	.292	.220	84	96	—	1	—	0	0	—	10.3	24	Fine.
8	.28	.26	49.9	36.8	58.7	25.9	6.5	1.6	.216	.188	60	87	—	2	—	0	0	—	11.3	21	Fine.
9	.23	.16	50.5	40.2	64.3	28.1	5.0	1.2	.250	.224	68	90	—	0	—	0	0	—	11.7	22	Beautiful day.
10	.30.12	.30.04	58.0	52.6	68.6	34.4	7.7	5.0	.281	.274	58	60	—	2	—	0	0	—	11.5	26	Beautiful day.
11	29.96	29.78	58.0	52.6	68.6	34.4	7.7	5.0	.281	.274	58	60	—	2	—	0	0	—	11.5	26	Beautiful day.
12	.60	.65	50.5	41.8	57.6	41.7	2.6	1.6	.302	.231	82	88	SW	10	W	6	10	.115	6.8	33	Cloudy.
13	.39	.45	49.4	46.6	56.6	38.6	1.3	1.8	.320	.276	91	88	SW	16	WSW	8	100	.155	4.7	34	Cloudy.
14	.39	.34	48.6	49.4	54.2	43.4	1.1	2.2	.315	.298	93	85	—	3	WSW	13	100	.192	—	42	Overcast.
15	.48	.72	49.9	39.1	56.3	38.3	4.0	1.5	.265	.209	73	88	WSW	9	—	2	6	.017	10.7	31	showers.
16	.83	.73	52.3	48.4	58.4	33.9	4.9	4.5	.271	.238	69	70	SW	7	SSW	10	4	.495	10.7	27	all day.
17	.57	.61	44.1	48.1	55.9	40.6	2.1	2.2	.243	.282	83	84	SW	10	SW	6	10	.105	4.8	35	all day.
18	.49	.53	52.8	45.7	59.1	44.9	2.9	1.0	.324	.285	80	94	SW	15	WSW	4	90	.025	5.8	38	Cloudy.
19	.57	.59	50.0	46.7	57.7	40.4	4.8	2.3	.249	.289	69	84	SW	10	SSW	11	7	—	11.3	34	Fine.
20	.54	.58	51.3	49.4	57.7	39.7	4.2	1.7	.275	.310	73	89	SSE	9	SW	8	9	—	0.3	35	Overcast.
21	.68	.84	49.0	45.3	55.7	41.9	5.0	3.1	.235	.235	67	77	W	14	SW	6	8	—	10.3	37	Overcast.
22	.68	.42	47.2	48.1	55.7	42.9	3.3	2.3	.249	.280	77	84	E	8	ESE	6	10	.055	3.0	36	Cloudy.
23	.16	.13	48.3	49.3	58.5	46.4	0.8	4.1	.319	.256	95	72	SE	18	S	19	100	.009	4.2	42	all day.
24	.37	.40	54.9	50.1	58.5	44.9	5.3	3.5	.294	.277	68	77	SSW	16	S	6	3	.035	8.6	39	Cloudy.
25	.28	.32	51.1	45.2	51.8	37.3	2.6	0.7	.310	.285	82	95	SE	4	SW	4	10	.280	0.2	31	all day.
26	.38	.43	52.2	49.6	59.1	41.9	3.9	2.6	.292	.291	75	82	SW	9	SSE	6	6	.052	7.2	34	all day.
27	.37	.38	51.8	43.7	57.2	43.2	3.3	0.0	.302	.285	78	100	S	6	—	1	9	.134	1.2	40	all day.
28	.48	.71	50.9	41.4	53.0	35.8	2.5	1.6	.310	.228	84	88	NW	7	—	3	8	.070	4.8	31	Cloudy.
29	.75	.72	43.2	40.5	52.3	40.0	1.2	2.0	.253	.212	90	84	W	9	W	6	100	.107	6.8	34	all day.
30	.59	.74	48.6	41.5	50.8	35.9	5.0	1.9	.231	.223	68	86	SW	4	NNW	6	7	.062	2.8	30	Cloudy.
30	29.96	29.99	45.0	38.6	50.8	33.2	4.2	1.5	.211	.205	71	88	NW	10	NW	5	6	.062	10.6	29	all day.
M.	29.723	29.733	48.6	44.2	54.8	38.3	3.4	2.0	.265	.250	77	86	—	8	—	6	7.3	3.671	174	32.9	

BIRR CASTLE, KING'S COUNTY, a.b.—APRIL 1909.

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	29.83	30.06	41.7	43.7	45.9	39.1	2.5	0.8	213	267	82	93	E	3	E	1	10	—	—	Overcast.		
2	30.09	29.91	40.6	42.7	43.7	37.8	1.1	0.7	230	259	91	94	SE	4	SE	6	10	834	—	Overcast, with ●.		
3	29.84	30.05	45.9	47.5	48.7	41.1	0.9	0.6	288	314	94	95	S	6	S	6	10	920	—	Overcast, with ●.		
4	29.91	29.96	46.7	47.8	47.8	39.9	1.9	3.6	275	210	87	74	S	5	SE	3	10	100	—	● a. Overcast.		
5	30.01	30.02	44.0	40.0	49.5	39.8	2.7	1.9	230	209	79	85	SSE	4	SSE	1	10	—	—	Overcast.		
6	30.11	30.15	42.8	43.8	56.0	31.4	1.7	1.0	238	264	87	92	SSE	1	Calm	0	8	—	6.7	Cloudy.		
7	30.22	30.18	43.5	48.1	63.7	31.0	1.5	2.6	249	273	88	82	E	2	Calm	0	6	—	10.2	—		
8	30.18	30.11	48.3	48.7	63.7	34.1	2.3	2.6	282	281	84	82	Calm	0	SE	2	4	—	10.8	Fine and warm.		
9	30.06	29.97	51.7	48.7	66.7	34.2	3.7	3.6	291	259	76	76	N	1	SW	1	3	—	11.6	Fine and warm.		
10	29.92	29.75	55.8	49.0	67.9	37.4	0.8	3.1	422	274	94	78	SW	2	WSW	1	4	—	10.8	Fine and warm.		
11	30.58	30.62	51.5	44.5	52.9	42.6	3.2	1.3	300	264	79	90	WSW	3	NNW	3	9	158	7.2	● showers.		
12	30.39	30.45	52.9	49.2	54.1	41.1	1.1	2.2	370	296	93	85	W	6	W	6	10	268	3.1	● showers.		
13	30.30	30.34	49.7	47.7	53.5	46.6	0.8	1.2	336	302	94	92	S	1	SW	3	10	332	—	Overcast, with ●.		
14	30.44	30.66	50.3	45.7	54.6	41.6	2.4	1.6	304	270	83	89	SW	2	SW	1	7	10	048	11.0	● showers.	
15	30.77	30.68	51.1	48.1	57.9	36.2	3.9	2.8	280	269	74	80	SSW	2	W	1	4	10	298	10.0	—	
16	30.54	30.53	47.7	46.8	56.0	41.1	1.3	1.9	299	275	91	86	W	2	WSW	3	8	10	178	9.7	● showers.	
17	30.43	30.47	51.7	44.7	56.0	42.0	4.2	2.3	281	244	73	83	SW	2	SW	1	6	7	003	7.7	● showers.	
18	30.51	30.52	50.7	48.7	56.5	37.8	3.5	0.9	322	277	94	91	S	3	S	2	8	10	010	9.0	● showers.	
19	30.41	30.31	49.9	46.0	52.1	44.8	2.1	1.0	306	287	87	93	S	4	Calm	0	10	10	134	—	Cloudy, with ●.	
20	30.64	30.77	47.5	45.7	54.3	40.8	0.6	0.8	314	289	95	94	SW	5	SSW	1	8	10	—	9.3	—	
21	29.54	29.26	51.1	49.7	57.3	40.9	3.6	2.8	287	288	76	81	SSE	4	SE	6	10	106	4.5	Cloudy, with ●.		
22	28.95	28.92	51.7	46.4	57.7	44.8	0.8	1.6	362	278	94	89	SSE	7	S	6	10	105	3.0	● showers.		
23	29.27	29.31	54.4	47.7	56.8	42.8	4.3	1.8	309	288	73	87	SSW	3	SSW	2	8	10	150	6.2	● showers.	
24	29.24	29.28	49.7	46.0	56.7	40.8	2.8	2.0	288	265	81	86	SW	1	W	1	9	10	—	3.7	Cloudy.	
25	30.32	30.32	52.7	49.0	57.7	40.6	2.9	1.5	322	310	81	90	SSE	2	SW	3	7	10	045	5.6	● showers.	
26	30.29	30.33	50.9	48.7	57.7	46.8	2.2	1.0	318	319	86	93	S	2	S	1	10	10	036	4.1	● showers.	
27	30.49	30.67	50.2	44.3	53.8	42.5	3.2	1.5	284	258	79	88	NW	3	NNW	1	9	8	080	6.7	Cloudy.	
28	30.69	30.72	48.7	40.5	51.6	40.5	4.0	2.7	251	198	73	79	W	4	WNW	3	10	8	106	6.9	● showers.	
29	30.52	30.73	44.7	43.8	47.7	34.2	0.8	0.9	278	266	94	93	S	2	WNW	1	10	8	265	1.2	● showers.	
30	29.99	29.99	47.0	39.5	51.9	33.8	1.0	1.6	298	211	93	87	WNW	3	WNW	2	4	8	062	9.1	● showers.	
M.	29.649	29.660	48.8	46.0	55.0	39.6	2.3	1.8	293	270	85	87	—	3.0	—	2.3	8.1	9.4	4.238	169	—	—

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—APRIL 1909.

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. 138 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. Hourly Run.	Time of Max.
	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	32, 12	32, 18	2, 23	3	4, 15	4, 10	3, 6	2, 8	4, 16	7	31, 17	32, 15	1, 18	2, 16	1, 20	17
2	13, 17	13, 21	14, 26	22	4, 4	10, 6	12, 10	13, 14	13, 14	21, 22	1, 13	2, 8	2, 8	5, 11	1, 13	9, 20
3	13, 34	13, 38	14, 41	21	17, 18	16, 17	15, 17	14, 10	16, 21	11, 12	12, 7	12, 10	10, 18	12, 17	12, 21	23
4	16, 19	16, 16	15, 36	1, 2	19, 14	17, 19	14, 11	15, 11	17, 19	13	12, 18	13, 15	8, 16	8, 20	8, 24	23
5	15, 18	15, 18	15, 21	16	11, 11	11, 18	11, 17	11, 17	11, 21	14	8, 27	7, 23	6, 21	6, 25	8, 27	9
6	16, 12	16, 5	16, 15, 16	7, 8, 9	7, 4	8, 9	—	3	13, 6	9, 11	8, 13	7, 12	6, 12	6, 18	9, 6, 7	18
7	—	3	23, 8	21	—	3	7	8, 5	24, 4	22, 12	6, 9	6, 8	6, 6	6, 4	7, 18	1, 23, 24
8	24, 28	25, 29	25, 29	18	24, 6	6, 5	14, 4	19, 4	23, 10	2	—	3	7, 5	14, 7	—	2
9	24, 23	25, 17	24, 28	5, 10, 11	27, 8	5, 10	12, 4	13, 4	24, 10	6	23, 5	14, 5	3, 7	2, 6	23, 10	5
10	16, 8	23, 12	23, 12	19	24, 6	26, 11	26, 4	26, 4	26, 11	13, 15, 16	32, 4	16, 7	19, 11	21, 7	17, 13	16
11	13, 4	24, 17	24, 18	17	27, 9	18, 16	24, 10	24, 10	24, 16	14	24, 7	24, 14	25, 7	29, 5	24, 15	15, 16
12	14, 15	18, 8	13, 18	14	23, 7	24, 7	—	—	—	*	26, 15	23, 15	25, 15	25, 12	25, 19	19
13	14, 10	12, 15	11, 22	24	—	—	24, 7	16, 11	14, 5	*	26, 15	25, 10	—	2	21, 13	20, 15
14	8, 22	10, 16	8, 28	11	26, 20	—	—	—	—	*	25, 14	25, 18	27, 10	27, 4	26, 23	15
15	13, 10	8, 5	12, 17	1, 3	—	—	—	—	—	*	—	2	23, 7	16, 5	19, 4	14, 10
16	12, 14	13, 7	12, 14	11, 13, 14	—	—	—	—	—	*	15, 14	15, 13	21, 10	—	3	15, 14
17	12, 21	14, 18	12, 23	15	—	—	20, 12	19, 13	—	*	19, 10	19, 13	15, 8	16, 7	17, 15	14
18	16, 14	25, 4	18, 15	10, 11	23, 10	21, 15	21, 12	21, 4	21, 15	13	25, 5	21, 8	17, 7	19, 6	18, 10	1
19	12, 15	12, 18	12, 22	10, 11, 22	18, 12	17, 11	20, 11	19, 12	12, 24	15, 16	13, 5	14, 8	9, 12	8, 26	8, 9, 26	21, 22, 23,
20	14, 11	24, 13	11, 30	4	25, 13	26, 18	24, 10	26, 7	26, 18	13	25, 21	25, 19	25, 12	25, 7	25, 21	5, 9
21	12, 24	12, 26	11, 27	20	6, 10	11, 17	10, 17	11, 17	11, 19	22	3, 14	4, 7	9, 10	8, 18	9, 18	22
22	11, 25	11, 31	12, 34	11	14, 8	12, 15	12, 18	15, 11	12, 22	15, 16	11, 18	12, 14	15, 12	16, 9	9, 14	1, 2, 15
23	14, 7	29, 10	10, 27	2	23, 21	21, 14	21, 14	21, 7	21, 21	22	22, 13	21, 9	16, 7	19, 9	22, 15, 15	11, 15
24	5, 12	4, 11	5, 12	13, 14	12, 6	3, 5	—	3	20, 14, 10	1, 8	15, 14	14, 18	19, 12	20, 7	15, 18	6, 7
25	27, 21	27, 18	27, 22	15, 17	26, 8	23, 12	22, 12	21, 8	21, 14	16	15, 17	22, 14	15, 7	18, 10	22, 18	11
26	30, 7	8, 4	27, 28, 30, 10	1, 8, 9, 11	18, 12	9, 13	20, 7	12, 4	9, 13	13	13, 7	14, 12	15, 10	15, 5	14, 13	11, 12
27	3, 10	32, 9	3, 14	9	27, 5	6, 6	—	3	25, 9	24, 10	20, 9	16, 8	20, 7	23, 7	14, 12	15
28	—	2, 4, 9	2, 10	24	25, 5	24, 15	24, 12	24, 10	23, 20	24	23, 15	24, 14	22, 12	23, 13	24, 16	14
29	28, 14	31, 15	32, 20	14	27, 12	2, 7	3, 7	32, 7	21, 16	5	23, 15	23, 13	15, 5	17, 7	3, 16	24
30	29, 22	29, 24	28, 27	11	28, 14	31, 12	—	3	29, 5	15	29, 9	29, 10	29, 4	27, 5	1, 18	1

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	5, 11	5, 8	4, 13	10	5, 19	6, 22	7, 14	6, 11	—	31	7, 19	6, 25	7, 21	8, 20	—	33		
2	9, 8	10, 7	9, 10	12, 14, 16	12, 4	14, 13	12, 13	12, 19	—	30	13, 7	16, 11	15, 10	13, 13	—	29		
3	13, 15	15, 10	13, 15	11, 16	13, 19	15, 20	15, 19	14, 16	—	31	14, 26	15, 27	15, 26	15, 24	—	48		
4	15, 21	13, 4	15, 21	13	14, 20	15, 20	13, 10	12, 15	—	29	16, 20	15, 18	17, 7	12, 5	—	37		
5	9, 15	7, 11	9, 15	13, 14, 15	10, 8	11, 22	9, 21	9, 14	—	35	5, 7	7, 20	7, 12	7, 17	—	29		
6	9, 11	6, 4	8, 9	12, 13	8, 16	10, 16	9, 10	8, 12	—	26	8, 26	7, 12	28, 6	—	2	31		
7	20, 4	—	2, 6	1, 4, 6	7, 5	27, 8	32, 7	8, 5	—	15	—	29, 4	—	3, 5	—	13		
8	—	—	—	—	10, 4	28, 8	32, 4	—	—	15	—	29, 4	—	3, 5	—	13		
9	24, 8	21, 6	24, 11	15	—	25, 9	26, 8	—	—	12	—	29, 4	—	3, 5	—	13		
10	24, 9	24, 4	24, 9	13, 15	14, 6	24, 8	24, 7	20, 12	—	17	17, 11	18, 15	19, 12	20, 12	—	25		
11	22, 13	24, 11	22, 13	12, 13	22, 14	22, 21	23, 10	25, 19	—	29	18, 15	20, 14	23, 18	24, 19	—	31		
12	22, 17	24, 17	22, 17	14	18, 13	22, 31	24, 21	24, 24	—	41	18, 17	25, 20	27, 17	23, 23	—	38		
13	22, 6	20, 9	22, 17	22	23, 10	21, 9	18, 19	21, 27	—	35	19, 50	20, 17	19, 20	22, 15	—	36		
14	23, 18	25, 8	24, 18	11, 12	23, 20	24, 23	25, 13	23, 9	—	30	23, 14	21, 15	22, 8	19, 4	—	28		
15	22, 18	22, 10	16, 23	10	23, 14	23, 13	23, 8	20, 9	—	20	18, 11	19, 12	18, 16	16, 10	—	23		
16	22, 18	22, 10	16, 23	10	16, 12	19, 14	16, 11	20, 14	—	42	22, 26	23, 18	18, 14	18, 12	—	40		
17	19, 8	19, 6	18, 16	8	20, 11	22, 15	23, 12	19, 8	—	31	18, 19	18, 20	18, 18	20, 17	—	38		
18	21, 12	23, 7	22, 14	11	13, 13	14, 17	13, 8	11, 9	—	25	21, 15	19, 18	19, 16	18, 11	—	28		
19	13, 14	13, 5	12, 14	13	13, 13	14, 17	13, 8	11, 9	—	32	14, 12	14, 16	15, 11	16, 15	—	27		
20	24, 21	24, 10	24, 21	11, 14	22, 27	23, 25	23, 18	21, 13	—	37	21, 21	22, 19	19, 12	18, 10	—	34		
21	9, 12	7, 15	7, 15	18	12, 16	11, 20	8, 24	8, 18	—	33	11, 15	14, 15	11, 16	11, 14	—	33		
22	15, 20	14, 23	13, 23	15	14, 18	14, 25	14, 25	14, 12	—	50	14, 28	14, 33	16, 19	17, 21	—	50		
23	20, 13	17, 5	18, 15	11	19, 20	21, 15	21, 13	18, 11	—	35	18, 20	18, 19	18, 15	19, 15	—	36		
24	20, 5	—	23, 12	20	8, 4	23, 10	29, 9	22, 20	—	27	18, 7	—	3, 23	14, 10	—	32		
25	22, 11	—	22, 15	14	20, 20	23, 13	21, 7	14, 7	—	33	18, 14	18, 18	17, 12	16, 7	—	29		
26	15, 12	—	16, 15	11	15, 17	18, 10	12, 4	10, 7	—	30	15, 16	16, 15	15, 12	15, 8	—	28		
27	23, 12	25, 10	23, 25	15, 16	21, 8	24, 17	25, 21	25, 16	—	26	22, 7	25, 11	25, 17	25, 13	—	22		
28	20, 16	21, 16	23, 20	10	23, 31	23, 27	21, 30	24, 27	—	45	22, 19	26, 23	22, 18	23, 18	—	38		
29	24, 10	29, 8	22, 18	5, 6	24, 24	25, 10	29, 15	32, 17	—	43	22, 11	16, 4	4, 8	21	—	37		
30	25, 20	25, 17	25, 20	13	28, 27	26, 29	25, 27	28, 31	—	44	26, 22	26, 21	25, 13	27, 23	—	39		

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.
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	8, 11	9, 9	6, 13	8, 9, 10, 11, 12	3, 14	7, 19	8, 15	8, 26	8, 26	21	—	14	—	16	—	26
3	12, 9	12, 7	12, 9	13, 14, 15	13, 23	14, 24	15, 22	15, 26	15, 32	23	—	33	—	43	—	54
4	14, 12	15, 10	14, 12	13	15, 31	15, 34	15, 30	15, 34	15, 37	4	—	34	—	29	—	56
5	18, 8	19, 6	18, 12	14	15, 26	15, 21	15, 11	15, 13	15, 28	3	—	24	—	30	—	42
6	5, 7	11, 8	8, 11	22	12, 18	8, 10	—	2	15, 21	1	—	25	—	23	—	42
7	7, 7	7, 6	7, 10	1	7, 6	8, 5	—	1	15, 21	1	—	8	—	17	—	21
8	—	2	23, 4	21, 7	—	3	—	2	7, 5	7, 15	—	7	—	*	—	*
9	27, 5	28, 4	26, 7	16	—	0	3	7, 4	6, 1, 5	14, 23	—	*	—	12	2	*
10	26, 7	25, 7	24, 26	12, 13, 15, 17	—	2	9, 7	13, 4	10, 8	14, 15	—	6	—	12	2	16
11	21, 10	23, 4	21, 10	13	—	3	18, 9	20, 13	22, 15	19, 15	—	5	—	*	—	10, 15
12	22, 11	27, 12	24, 27	14, 17	21, 20	24, 23	24, 17	23, 22	23, 26	16	—	12	—	22	—	46
13	24, 17	24, 14	26, 25	14	21, 37	23, 33	23, 20	22, 26	22, 37	10	—	25	—	29	—	45
14	20, 7	8, 9	23, 20	24	14, 8	20, 24	22, 36	22, 40	22, 40	20, 21, 22	—	*	—	13	—	*
15	26, 12	26, 9	25, 21	2	23, 22	21, 22	21, 10	22, 9	23, 25	11	—	9	—	17	—	28
16	21, 11	21, 10	22, 15	14	23, 10	13, 11	20, 19	12, 22	22, 15	2	—	2	—	*	—	12, 20
17	32, 4	26, 6	24, 11	16	23, 29	21, 18	30, 4	18, 13	24, 30	8	—	*	—	*	—	*
18	19, 11	20, 9	—	*	16, 12	19, 18	21, 12	19, 12	20, 21	11, 15	—	*	—	*	—	*
19	21, 13	21, 11	—	*	20, 17	20, 12	17, 11	—	20, 20	10	—	13	—	14	—	6
20	13, 7	13, 4	13, 8, 11, 9	15, 22, 24	13, 18	14, 15	15, 17	19, 12	15, 21	8	—	30	—	16	—	25
21	23, 20	25, 12	23, 20	13	21, 20	21, 21	20, 6	16, 10	21, 37	6	—	14	—	18	—	43
22	11, 10	5, 12	7, 16	16	12, 24	11, 22	8, 17	13, 7	11, 29	24	—	30	—	32	—	36
23	11, 10	11, 11	7, 15	8	12, 30	14, 27	14, 29	16, 21	14, 37	10	—	35	—	29	—	61
24	20, 10	23, 7	21, 17	10	16, 14	18, 16	4, 5	16, 9	17, 23	1	—	13	—	23	—	66
25	9, 5	31, 4	6, 7	12	12, 6	23, 7	14, 6	23, 4	13, 10	2	—	3	—	*	—	30
26	21, 10	21, 9	20, 12	15	14, 7	15, 15	13, 7	14, 10	14, 15	15, 16	—	*	—	*	—	*
27	2, 4	7, 7	7, 8	21	14, 11	14, 11	15, 10	14, 4	15, 14	11	—	14	—	12	—	12, 40
28	—	26, 10	26, 10	18	27, 12	25, 21	25, 18	22, 8	25, 23	15	—	20	—	15	—	22
29	23, 19	21, 12	23, 20	14	22, 22	22, 27	22, 26	22, 21	22, 32	5	—	19	—	20	—	33
30	29, 4	1, 7	27, 10	15	11, 10	9, 7	30, 9	27, 19	21, 21	1	—	12	—	12	—	47
31	28, 13	27, 10	27, 29, 15	14, 16	25, 21	27, 18	25, 21	26, 15	25, 28	15	—	21	—	23	—	45
																16, 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.

DERNESS, 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.

‡ 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.

DEERNES, ORKNEY, a.b.—MAY 1909.

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.					
							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	29.83	ins.	38.8	39.5	43.8	34.2	2.6	3.5	187	176	80	73	NW	27	NW	21	6	9	ins.	hrs.	°	* showers n. Cold and dry.	
2	30.07	29.99	42.8	41.0	45.2	37.8	4.4	3.0	190	197	68	77	NW	4	SW	4	8	10	0.02	7.4	—	Cloudy and milder.	
3	29.93	29.97	43.0	40.0	48.5	40.0	1.7	0.3	240	316	98	98	SSW	11	WSW	8	100 ⁰	100 ⁰	0.03	1.9	—	Overcast, with ☉.	
4	30.09	30.11	50.2	47.0	52.8	44.4	2.2	1.3	307	280	85	91	SE	14	SE	10	3	6	—	10.0	—	Fine day. ☐ ∞	
5	20	27	48.2	45.0	50.6	43.2	1.9	1.3	290	268	87	90	SE	21	SE	20	2	1	—	11.6	—	Very fine day.	
6	33	31	44.3	45.1	49.3	42.6	0.2	1.1	286	274	99	91	SE	15	SE	14	10	0	—	9.4	—	≡ ² till noon, then very fine.	
7	26	18	48.0	45.0	50.8	42.2	2.8	2.0	267	253	80	85	SE	21	S	12	1	0	—	15.0	—	Very fine and bright.	
8	09	30.06	52.0	45.0	55.8	44.0	4.0	1.0	287	275	74	92	N	10	NE	10	0	10	—	13.2	—	Very fine day.	
9	30.03	29.97	46.0	43.8	48.2	43.0	3.0	3.6	244	211	79	73	NE	13	N	10	10	10	—	0.3	—	Cold and dry.	
10	29.89	29.89	46.2	43.0	47.6	41.8	4.6	2.0	216	234	70	84	NW	7	—	0	10	10	—	—	—	Overcast day.	
11	85	29.74	46.0	44.7	51.6	41.5	2.9	0.7	246	279	80	94	SW	11	WNW	9	10	100	0.12	0.4	—	Fine a. ☉ after 6p.	
12	29.87	30.07	43.3	38.1	47.8	37.7	4.5	2.3	191	186	68	80	NNE	20	NNW	22	8	6	0.03	6.4	—	▲ showers p.	
13	30.07	29.95	41.0	37.0	44.8	34.8	3.9	0.6	182	208	71	95	N	24	NW	11	8	100	0.20	10.4	—	☉ showers. ☉ after 6p.	
14	29.84	79	39.1	35.0	41.0	32.0	4.1	2.0	163	164	69	80	NW	24	NW	26	4	8	10	10.9	—	▲ ☉ showers.	
15	78	81	38.4	35.8	44.6	31.8	2.4	2.5	186	164	81	78	NW	32	W	8	7*	2	0.02	10.3	—	* showers a. * ▲ showers p.	
16	82	86	40.8	40.0	46.2	32.2	3.8	4.5	182	164	71	66	WSW	5	SE	7	3	2	0.05	14.8	—	Fine day.	
17	81	80	42.0	40.8	46.8	37.0	1.8	3.0	229	196	86	77	E	15	E	10	8	2	—	8.6	—	Dull a. Fine and bright p.	
18	78	29.84	44.8	40.0	45.8	37.5	5.3	1.1	191	224	64	91	SE	7	SSE	2	7	8	0.23	6.7	—	Dull a. ☉ noon—2p. and 8p.	
19	29.92	30.04	47.0	44.8	50.0	36.2	2.3	2.4	268	243	84	82	ENE	2	SE	12	8	7	0.08	9.9	—		
20	30.01	29.85	46.0	47.3	48.3	42.2	1.0	1.3	287	294	93	91	SE	26	SSE	12	10	10	0.04	—	—	Dull, with ☉ showers.	
21	29.82	76	52.4	50.3	58.0	43.2	1.4	1.3	355	331	90	91	SSE	8	SW	4	8	10	0.03	2.5	—	∞ a. ☉ showers p. Mild.	
22	88	84	57.3	48.0	58.0	47.2	3.3	1.0	374	309	79	93	NW	11	ESE	11	7	8	—	6.7	—	⊕ 10a. Fine day.	
23	29.70	82	52.1	50.2	61.6	46.0	1.9	1.4	339	327	86	91	SE	7	W	13	2	3	—	5.8	—	Fine day.	
24	30.04	95	51.9	50.0	57.8	47.2	2.9	2.5	311	298	81	83	W	21	SE	5	8	9	—	11.7	—	Very fine day. Red sunset.	
25	29.74	58	51.2	45.0	52.8	45.0	2.2	0.5	320	287	85	96	ESE	21	E	21	8	10	—	2.2	—	Breezy and cloudy.	
26	22	38	48.1	47.0	52.0	44.3	1.1	1.0	308	298	92	93	E	34	ESE	25	10	3	0.075	7.7	—	☉ showers a. ∞	
27	45	30	48.0	47.0	48.4	45.5	0.6	0.7	319	306	96	95	SE	33	SE	25	10	7	0.03	—	—	☉ showers a. ∞ p.	
28	45	35	53.0	49.0	55.8	46.0	2.7	1.4	330	312	82	90	S	15	SSE	12	4	10	—	7.9	—	○. Fine day.	
29	27	49	53.0	46.0	58.8	45.0	2.0	1.3	347	280	86	91	S	7	SW	13	9	3	0.14	7.4	—	☉ showers p.	
30	57	81	53.8	50.0	59.0	43.9	4.6	3.2	295	282	71	79	SW	29	WSW	10	2	8	0.02	7.7	—		
31	29.71	29.65	48.0	46.6	50.8	44.7	2.0	0.8	285	299	86	95	—	2	NE	9	10	8	—	—	—		
M.	29.843	29.853	47.0	44.3	50.7	41.1	2.7	1.8	265	256	81	87	16	12	6.8	6.8	1.575	207	—	—	—	—	

TILLYPRONIE, ABERDEENSHIRE.—MAY 1909.

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.	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.																						
2	28.82	28.94	35.8	34.0	42.0	28.2	1.3	0.5	in.	in.	%	%	†	†										
3	29.04	29.00	38.8	35.0	43.2	28.0	3.0	2.2	1.80	1.60	77	79	N	4	N	1	8	ins.	hrs.	°				
4	28.94	29.00	39.2	49.0	50.0	30.5	1.2	4.5	2.16	2.45	90	70	SE	6	W	5	10	7	09	—	25	Dull.	* showers.	
5	29.09	29.13	49.5	44.0	59.8	37.5	7.3	1.5	1.98	2.55	56	88	SW	5	SW	5	10	4	04	—	26	Dull.	∞	
6	29.14	29.20	53.2	40.0	58.0	35.8	6.4	1.5	2.51	2.17	62	88	S	6	S	2	7	2	04	—	27	∞		
7	29.16	29.25	46.0	38.0	60.2	33.0	1.2	2.0	2.83	1.90	92	83	S	6	S	2	2	0	—	—	35			
8	29.22	29.17	51.0	40.5	54.2	33.0	6.8	0.5	2.22	2.41	59	90	SE	6	S	1	2	0	—	—	30	Sunshine.		
9	29.05	29.00	58.0	45.0	71.0	34.0	4.5	1.8	3.55	2.57	74	86	S	1	S	1	2	0	—	—	28	Sunshine.		
10	28.97	28.92	42.0	39.0	50.0	37.0	1.0	1.8	2.45	2.03	92	86	N	1	N	1	1	0	—	—	30	Sunshine.		
11	28.85	28.85	45.5	38.5	52.0	36.0	0.7	1.0	2.89	2.13	95	92	NE	1	N	1	1	0	—	—	31	Sunshine.		
12	28.85	28.81	43.5	47.0	58.8	33.5	2.7	2.5	2.25	2.64	79	83	NW	2	NW	1	9	9	—	—	33	Dull.	∞	
13	28.75	29.03	38.5	34.0	53.5	33.0	0.5	1.0	2.23	1.76	96	89	N	4	N	2	8	4	—	—	32	Sunshine.		
14	29.04	28.96	36.0	32.0	45.0	30.0	2.0	2.0	1.75	1.37	82	75	N	2	N	1	9	6	12	—	30	Dull.	∞	
15	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	8	2	04	—	29	Dull.	∞	
16	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	8	2	06	—	25	* showers.	∞	
17	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	8	05	—	21	* showers.		
18	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
19	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
20	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
21	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
22	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
23	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
24	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
25	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
26	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
27	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
28	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
29	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
30	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
31	28.82	28.82	36.0	29.5	42.0	29.2	1.0	0.5	1.93	1.50	91	91	N	2	N	1	6	5	—	—	25	Sunshine.		
M.	28.811	28.839	46.1	42.3	54.5	36.4	3.1	2.1	2.50	2.30	80	84	3.1	2.2	7.2	4.8	2.82	—	32.7					

LAUDALE, ARGYLESHIRE, a.—MAY 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +031 in.

1	30.15	30.24	43.3	40.5	46.0	32.0	2.6	2.8	2.25	1.97	80	79	N	5	N	4	6	8	—	—	* shower.	
2	30.15	30.24	43.3	40.5	46.0	32.0	2.6	2.8	2.25	1.97	80	79	N	5	N	4	6	8	—	—	Cloudy and cold.	
3	30.11	30.17	47.9	50.0	52.3	41.0	1.4	3.9	2.99	2.67	91	75	S	5	S	5	10	10	—	—	Cloudy and squally.	
4	30.24	30.20	50.9	56.2	59.2	45.0	5.3	10.5	2.49	2.11	67	47	S	5	S	5	10	10	—	—	Cloudy and squally.	
5	30.26	30.29	56.9	55.7	68.2	51.0	9.0	9.6	2.45	2.21	53	49	S	6	S	4	3	2	—	—	Very fine day.	
6	30.32	30.30	60.2	54.2	70.0	45.0	2.9	8.5	4.29	2.24	83	53	S	6	S	6	0	1	—	—	Very fine day.	
7	30.31	30.29	57.2	55.0	69.0	46.0	10.0	0.9	2.29	4.06	49	94	S	5	S	2	1	0	—	—	Very fine day.	
8	30.24	30.12	63.0	46.0	65.3	42.5	12.9	2.2	2.38	2.61	41	85	NW	1	N	1	0	0	—	—	Very fine day.	
9	30.07	30.05	45.5	48.0	69.8	40.0	10.5	1.5	3.15	2.97	49	90	N	1	Calm	0	0	0	—	—	Very fine day.	
10	30.03	30.03	59.9	46.2	61.2	42.5	7.1	0.0	3.18	3.13	62	100	Calm	0	N	1	0	0	—	—	Very fine day.	
11	30.07	30.09	47.0	50.3	52.2	42.0	2.0	2.0	2.98	3.14	86	86	N	3	NW	5	10	10	—	—	Very fine day. Mist p.	
12	30.02	30.31	48.7	44.7	53.9	43.9	4.2	2.9	2.47	2.33	72	79	E	5	E	2	9	9	—	—	Overcast day.	
13	30.35	30.25	44.1	40.0	51.1	36.0	3.1	1.8	2.23	2.11	76	86	N	2	N	1	10	3	—	—	* showers.	
14	30.10	30.12	43.9	36.5	47.0	35.5	5.0	3.5	1.87	1.53	65	71	N	2	N	1	6	1	—	—	Fine, but cold.	
15	30.08	30.06	42.5	40.2	46.0	26.8	5.8	4.1	1.66	1.72	61	69	N	2	N	1	3	4	—	—	Fine, but cold.	
16	29.98	29.94	42.9	43.9	48.2	30.0	2.7	5.7	2.20	1.76	80	61	Calm	0	S	4	100	10	—	—	Dull. ▲ showers.	
17	29.85	29.86	48.2	40.2	52.2	39.9	5.0	0.4	2.27	2.41	67	96	SE	5	SE	4	9	100	—	—	Misty evening.	
18	29.96	29.95	48.1	44.9	53.0	34.7	3.6	2.9	2.52	2.34	75	79	N	3	W	5	8	100	—	—	Snow on hills. ▲ showers.	
19	30.09	30.14	46.2	49.9	53.9	40.5	2.0	1.0	2.67	3.33	86	93	SE	4	SW	4	100	100	—	—	Overcast and squally.	
20	30.08	29.97	52.2	60.0	64.5	47.0	5.3	5.8	2.62	3.49	68	67	SE	5	S	5	10	8	—	—	Dull and threatening.	
21	29.95	29.94	62.2	66.5	68.7	55.0	6.3	11.5	3.68	3.07	66	47	S	5	S	1	100	100	—	—	Warm and threatening.	
22	30.03	29.92	57.9	58.9	67.3	47.3	3.4	4.9	3.82	3.55	79	71	Calm	0	S	6	6	100	—	—	Squally, with ● showers.	
23	29.94	30.08	57.5	53.7	60.5	52.0	3.8	2.7	3.64	3.38	77	82	W	5	W	5	100	9	—	—	Overcast day.	
24	30.20	29.99	54.8	57.3	64.0	50.0	3.0	5.3	3.48	3.24	81	69	W	4	SW	5	100	10	—	—	● a.	
25	29.60	29.47	55.0	50.5	57.3	47.3	4.8	1.0	3.07	3.42	71	93	S	8	S	5	100	100	—	—	Dull day. ● p.	
26	29.30	30.45.8	53.3	57.9	44.5	0.8	5.1	2.89	2.78	94	68	S	1	S	5	100	10	70	—	—	● Misty.	
27	30.44	51.0	51.5	54.7	49.0	1.1	2.3	3.46	3.21	92	84	S	1	W	5	100	10	71	—	—	Stormy, with ●.	
28	30.64	54.9	50.0	58.2	49.0	3.4	0.1	3.39	3.58	78	99	W	4	S	5	100	100	68	—	—	Stormy, with ●.	
29	30.62	81.5	53.9	51.2	56.7	49.0	2.0	2.2	3.59	3.20	87	85	W	5	W	5	8	100	—	—	Stormy, with ●.	
30	30.98	99	53.9	50.0	58.5	48.2	5.4	2.5	2.79	2.98	67	83	W	6	W	2	8	100	—	—	● showers.	
31	29.82	29.79	50.9	49.3	54.7	46.0	1.0	1.3	3.48	3.18	93	91	Calm	0	W	2	10	100	—	—	Dull day.	
M.	29.999	29.993	52.1	49.6	57.8	43.0	4.6	3.6	2.85	2.76	73	77	3.5	3.6	7.3	7.1	5.77	—	—	—	—	Misty, with ●.

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—MAY 1909.

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 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	ins.	ins.	40.8	37.0	48.0	31.8	2.2	2.5	.210	.174	83	79	N	5	NW	1	10	5	—	Cloud and sunshine.
2	29.88	30.04	40.8	37.0	48.0	31.8	2.2	2.5	.210	.174	83	79	N	5	NW	1	10	5	—	Dull and cloudy.
3	30.14	30.08	47.0	39.6	49.8	31.5	3.0	1.8	.253	.208	79	85	SW	1	SE	1	5	10	.02	Dull and cloudy.
4	30.17	30.12	44.5	44.2	53.0	33.5	1.0	1.0	.271	.268	92	93	SW	1	SW	1	10	10	.02	Fine till 4 p., then dull.
5	30.17	30.16	49.8	45.2	60.0	40.0	2.3	1.5	.300	.266	85	89	SE	1	NE	1	10	10	—	Fine.
6	30.24	30.33	49.7	43.0	53.5	40.5	2.9	1.1	.286	.253	81	91	E	1	NE	1	5	0	—	Fine.
7	30.32	30.32	51.8	43.5	56.2	38.4	2.9	1.5	.312	.239	80	88	E	3	NE	1	5	0	—	Fine.
8	30.30	30.27	50.3	40.7	52.7	37.5	3.3	0.8	.283	.237	78	93	SE	1	SE	1	5	0	—	Fine.
9	30.14	30.02	53.0	40.7	52.7	37.5	4.0	2.0	.299	.278	74	86	S	1	NE	1	0	0	—	Fine.
10	30.01	29.98	51.3	43.9	54.2	37.6	3.3	1.9	.296	.245	78	85	SE	1	SE	1	5	10	—	Cloud and sunshine.
11	29.92	29.90	44.8	42.2	52.2	42.0	2.6	0.8	.239	.252	81	93	E	1	NE	1	10	5	—	Fine 10a.—6p.
12	29.80	29.89	49.7	50.7	63.2	36.2	2.7	3.0	.290	.295	82	80	SW	1	W	1	5	10	.12	Cloud and sunshine.
13	29.80	30.10	42.7	39.5	52.6	39.0	1.1	2.5	.250	.194	91	80	NE	3	NW	1	10	5	.02	● 7a.—10a. Dull.
14	30.14	30.07	42.5	39.5	50.2	34.4	3.5	2.5	.202	.194	74	80	NE	1	NW	1	10	5	—	Cloud and sunshine.
15	29.89	29.90	45.9	34.5	48.2	33.6	2.9	2.9	.245	.145	80	72	NE	1	NW	1	5	5	—	Cloud and sunshine. △° shower.
16	30.11	30.09	44.2	38.2	49.2	30.0	6.0	1.2	.174	.206	59	90	N	1	W	1	5	10	.01	Cloud and sunshine. ●△.
17	30.11	30.08	46.5	38.7	51.4	32.4	3.3	1.2	.242	.212	75	91	SW	1	NE	1	5	10	.01	Shine and cloud. [shower.
18	29.81	29.92	44.9	42.0	50.4	37.0	4.0	2.3	.233	.226	73	83	SE	1	SE	1	5	10	—	Fine till 4 p., then dull.
19	30.00	30.07	46.6	45.2	51.0	41.2	2.1	0.7	.269	.285	86	95	SW	1	SE	1	10	10	.02	Dull to 10a., then fine.
20	30.05	29.91	48.8	49.5	58.5	40.6	1.6	1.5	.317	.315	88	89	SE	1	NE	1	10	10	—	Dull and cloudy.
21	29.90	29.81	48.5	52.0	60.5	47.3	3.2	2.0	.266	.335	78	86	S	1	E	1	10	10	—	Fine 9.30a.—2p.
22	29.87	29.83	63.0	52.4	72.8	45.8	5.0	1.5	.414	.353	72	90	SW	1	S	1	5	10	—	Fine 11a.—6p. ∞
23	29.79	29.92	59.4	55.2	65.8	48.4	3.4	4.2	.402	.323	80	74	SW	1	SW	1	10	5	—	Fine from 8a. ∞
24	30.05	30.11	59.0	51.9	66.2	46.5	3.8	2.9	.385	.311	77	81	SW	1	SE	3	5	10	.02	Dull till noon, then fine.
25	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	—	Fine till 7p.
26	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	—	Dull. ● from 3p.
27	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	● till 9a. Dull and cloudy.
28	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	● till 9a. Dull and cloudy.
29	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	Dull and cloudy. ●° showers.
30	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	Dull and cloudy.
31	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	Cloud and sunshine.
32	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	Fine till 7p.
33	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	● n., and during day.
34	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
35	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
36	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
37	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
38	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
39	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
40	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
41	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
42	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
43	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
44	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
45	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
46	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
47	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
48	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
49	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
50	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
51	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
52	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
53	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
54	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
55	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
56	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
57	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
58	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
59	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
60	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
61	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
62	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
63	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
64	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
65	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
66	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
67	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
68	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
69	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
70	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
71	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
72	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
73	29.67	29.44	49.4	45.0	52.8	44.0	2.2	0.8	.298	.280	85	94	SE	5	SE	5	10	10	.07	
74	29.67	29.																		

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MAY 1909.

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.	9 a.m.	9 p.m.									9 a.m.	9 p.m.
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	+					ins.	hrs.	°				
2	29.64	29.80	39.3	36.2	45.0	29.0	2.8	1.4	187	187	79	88	NNW	7	N	4	4	07	9.7	29	▲ showers. Fine.		
3	29.66	29.95	42.0	38.6	48.0	32.0	3.0	1.3	207	209	78	90	N	3	S	2	8	8	4.5	29	Fine, but cloudy.		
4	29.94	30.06	49.8	44.9	60.5	32.0	2.8	2.9	278	234	80	79	SW	5	NW	2	6	3	4.8	29	Fine, but cloudy.		
5	30.03	30.01	49.8	44.9	52.5	38.4	3.8	2.5	267	241	75	81	S	4	SE	1	9	6	1.8	29	Cloudy, with ∞.		
6	30.06	30.10	49.8	40.2	55.0	36.0	2.4	0.2	298	246	84	98	SE	3	NW	1	4	1	—	33	Fine and bright.		
7	30.09	30.10	49.8	41.0	55.0	37.5	2.6	1.0	293	235	82	92	SE	4	E	4	2	1	—	33	Fine and bright.		
8	30.08	30.05	48.0	39.5	53.0	37.5	2.1	0.4	283	234	85	97	SE	4	NE	1	1	1	—	32	Fine and bright.		
9	29.97	29.78	50.9	47.9	61.0	34.0	4.7	4.4	260	235	70	71	SE	1	NW	1	1	1	—	29	Fine and bright.		
10	79	76	44.2	42.9	49.0	40.0	1.3	1.6	261	242	90	87	NNW	2	NW	1	10	10	—	37	Overcast.		
11	73	72	56.8	51.5	60.0	37.0	4.8	4.0	257	226	88	92	NW	1	SW	1	10	9	—	40	Cloudy.		
12	61	88	50.9	38.9	53.0	37.0	1.9	1.9	324	200	87	85	NW	6	NNW	3	6	2	09	3.0	41	Dull. • later.	
13	94	89	43.4	37.7	46.0	33.2	4.4	1.5	193	197	69	87	N	5	NW	1	4	9	—	48	31		
14	66	71	42.9	32.9	45.0	32.0	3.0	0.0	214	187	78	100	NW	5	NW	4	9Δ*	10	03	3.8	34	Cloudy and breezy.	
15	73	72	42.0	36.2	47.0	28.8	5.1	1.7	173	182	65	86	NW	5	W	2	2	2	—	10.0	25	Fine, bright, and breezy.	
16	68	62	47.8	41.4	51.0	32.0	8.0	2.3	172	214	53	83	SSE	3	SSE	2	2	9	05	10.1	27	Fine and bright.	
17	55	61	42.5	39.5	45.0	35.5	0.6	0.6	259	232	95	96	NE	2	SSW	2	10●	9	11	—	34	Dull, with •.	
18	64	79	43.2	43.0	55.0	34.0	1.1	2.5	255	225	91	81	SW	3	SW	4	7	2	—	7.0	28	Fine.	
19	81	90	50.9	45.0	60.0	38.0	5.1	0.2	253	294	68	98	W	6	W	1	7	9	—	1.5	34	Cloudy and breezy.	
20	86	78	57.5	53.8	68.5	42.5	5.5	2.8	322	337	68	81	SW	1	SW	1	7	4	—	9.0	39	Fine day.	
21	75	66	60.3	49.2	68.6	48.5	5.3	0.3	366	342	70	98	E	3	NW	1	8	4	—	4.5	44	Cloudy.	
22	72	69	62.5	53.1	71.0	48.0	3.5	0.3	449	396	79	98	SW	2	Calm	0	1	9	—	11.0	43	Fine and bright.	
23	66	79	65.4	50.0	68.0	49.5	3.4	0.5	442	348	71	97	W	5	NW	3	5	1	01	6.8	49	Fine and breezy.	
24	92	78	58.5	51.0	66.1	42.0	5.1	2.4	346	313	70	84	NW	4	SE	4	3	9	—	9.3	35	Fine and breezy.	
25	44	21	48.9	46.0	52.0	45.0	1.0	0.0	322	311	93	100	SE	6	SE	4	3	10●	1.08	—	45	Cloudy day.	
26	06	04	53.8	47.0	56.0	44.0	4.0	0.0	308	323	75	100	SE	5	SE	5	9	—	—	—	—	—	—
27	08	30	54.0	48.0	58.0	45.0	2.5	2.0	347	285	83	86	SW	3	W	4	9●	2	42	3.0	45	• a. Fine day.	
28	44	33	55.4	48.8	60.2	43.0	4.3	1.3	324	313	74	91	W	4	S	3	8	9	07	6.5	38	Cloudy, with •. T	
29	38	62	53.7	50.0	61.0	47.0	2.6	2.0	341	309	83	86	W	6	S	2	8	3	02	8.1	44	Cloudy, with • showers.	
30	74	77	55.5	52.0	63.0	45.0	4.5	2.0	321	335	72	86	W	4	W	3	8	8	05	11.5	41	• showers. Fine.	
31	29.58	29.48	58.0	51.1	60.0	50.0	1.1	0.7	248	357	92	95	S	4	Calm	0	9●	6	05	1.5	46	Fine day.	
M.	29.718	29.726	50.7	44.6	56.4	39.1	3.4	1.5	294	267	78	89	3.8	2.3	5.9	5.5	2.06	213	36.1				

DOUGLAS, ISLE OF MAN, a.—MAY 1909.

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	29.84	29.95	42.0	41.0	47.5	34.8	4.8	3.0	177	197	67	77	NNW	5	NW	4	2	—	13.5	30	Very fine.	
2	30.04	29.99	45.0	44.0	47.8	33.8	4.7	1.5	202	255	68	88	E	1	S	2	—	12.2	33	Very fine.		
3	29.99	30.00	48.1	46.0	52.0	33.5	3.1	2.0	262	265	78	86	S	3	ESE	1	3.1	—	8.7	33	Fine.	
4	30.03	29.95	49.0	49.8	56.1	45.0	2.8	2.8	280	288	80	81	ESE	2	ESE	2	8.1	—	7.6	33	Fine, but cloudy.	
5	30.00	29.98	51.9	49.5	60.7	43.0	4.4	6.5	279	212	72	60	E	3	E	5	0	≡	13.5	40	Fine, but squally.	
6	29.99	29.99	54.4	49.1	62.0	47.9	4.4	5.6	307	225	72	65	ENE	3	E	5-6	0	0	13.8	38	Fine, but squally.	
7	29.99	29.99	52.6	48.3	60.0	43.9	5.8	4.3	257	241	65	71	ENE	5-6	ENE	4-5	0	0	13.7	43	Fine, but squally.	
8	29.94	29.83	52.5	54.9	62.0	43.5	7.4	7.7	225	246	58	57	E	3-4	NE	1	0	0	14.5	39	Fine, but windy.	
9	29.80	29.79	51.0	46.0	56.0	44.0	8.5	2.0	193	265	52	86	NE	4-5	NE	4	6	0	14.1	39	Fine, but windy.	
10	29.81	29.80	46.0	45.1	51.9	40.8	2.0	0.8	265	281	56	93	S	1	WNW	1	10.1	2.1	7.1	39	Sunny p. T	
11	29.84	29.80	55.6	46.1	56.8	42.5	6.6	1.0	276	288	62	93	WNW	1	WNW	1	0.1	2.1	11.8	36	Very fine.	
12	29.81	29.81	51.0	43.1	56.5	41.0	2.4	2.1	313	233	84	83	WSW	3	NNE	2	9	144	5.0	38	• 9.30a.—noon.	
13	30.01	29.97	44.0	43.0	48.0	37.0	1.0	3.0	265	215	92	78	WSW	2	NNW	1	7	9	7.1	36	(• 8.30a. Cloudy.	
14	29.83	29.79	44.5	41.0	47.8	36.0	1.7	3.2	255	194	87	76	WNW	3-4	WNW	4-5	9	2	11.0	33	Squally and cold.	
15	29.85	29.81	42.0	35.5	47.8	34.0	6.0	3.5	159	145	60	69	N	1	NNW	1	4	0.1	12.5	31	• a. Fine.	
16	29.74	29.64	46.5	43.1	49.6	37.0	6.0	5.1	194	180	61	84	ESE	2	NE	1	6	9	12.3	26	• a. Fine.	
17	29.59	29.63	46.1	46.0	49.8	41.6	3.9	2.8	228	248	73	80	SE	2	SSE	2-3	9.1	9.0	12.3	36	Fine.	
18	29.78	29.90	47.8	43.6	53.0	40.8	4.9	2.4	225	232	68	82	WNW	2-3	WSW	1	2	2	11.3	37	Very fine.	
19	29.93	29.93	51.2	46.2	52.8	43.0	3.0	0.2	302	308	80	99	SW	4-5	SE	1	4	9.0	14.4	37	Fine, but cloudy.	
20	29.87	29.81	54.1	55.5	62.8	45.0	4.1	2.9	309	360	74	82	ESE	3	SE	1	7.1	9.0	6.4	36	Cloudy from 3p. • 8p.	
21	29.74	29.75	54.8	51.0	64.8	50.8	3.0	0.0	348	374	81	100	E	1	W	1	9	10≡	8.6	38	Fine, but cloudy.	
22	29.81	29.76	50.1	50.0	56.2	47.1	0.2	0.0	357	361	98	100	SSW	1	SSW	1	10≡	10≡	7.0	40	• a. Dull.	
23	29.74	29.72	51.0	50.5	60.5	48.9	0.0	0.6	374	352	100	95	SW	2	SW	1	10≡	10≡	2.3	46	Fine.	
24	30.02	29.99	57.2	55.4	59.5	46.2	3.7	2.9	362	358	77	82	SSE	1	E	4-5	7.1	10.0	7.4	42	Sunny a. T • p.	
25	29.30	29.22	49.1	48.5	59.5	46.2	0.0	0.5	349	328	100	96	SE	3-4	S	1	10≡	8.1	5.8	41	Cloudy.	
26	29.01	29.03	48.8	48.5	53.0	46.3	0.9	0.3	323	324	93	97	ESE	3-4	ESE	1	9.1	9.1	2.3	41	Dull. • noon and 2p.	
27	29.15	29.38	52.0	48.2	50.5	47.0	1.1	0.7	358	320	92	96	SW	2-3	NNW	1	9	8.1	3.3	41	• showers.	
28	29.51	29.37	53.8	49.8	55.3	45.0	2.6	4.8	342	327	82	69	SW	2	SW	4-5	4	10	5.4	42	• a. and p.	
29	29.56	29.71	54.3	53.7	60.5	48.7	3.1	3.1	336	329	79	80	W	5-6	SW	4-5	3	2	9.6	40	Fine, but squally.	
30	29.83	29.81	55.7	51.0	58.3	47.8	3.3	0.0	353	374	79	100	WSW	4-5	SSW	1	6	10≡	3.40	11.0	44	Fine. Squally till 2p.
31	29.63	29.56	51.0	48.2	53.5	48.0	0.0	0.1	374	334	100	100	SSW	3-4	NW	3	10≡	10≡	0.2	39	• till 3p. and from 7p.	
M.	29.774	29.768	50.1	47.5	55.4	42.7	3.4	2.4	285	277	78	83	2.8	2.2	5.8	5.6	1.470	281	37.9			

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—MAY 1909.

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
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SHREWSBURY, SHROPSHIRE.—MAY 1909.

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.	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.															ins.	hrs.	°		
2	29.87	30.01	41.1	40.3	49.8	32.6	5.1	3.3	163	186	64	74	NNW	4	NW	2	5	3	—	33	Dull a. Sunny p.
3	30.11	30.10	46.4	44.9	55.5	37.0	6.0	4.9	193	198	61	66	NW	1	NW	1	5	7	—	35	Fine and sunny.
4	30.13	30.11	50.1	46.0	59.0	33.4	6.5	4.1	218	223	61	72	SSW	3	SSW	1	4	9	—	33	Fine, sunny, and warm.
5	30.07	30.06	54.0	51.0	64.0	40.0	6.3	8.7	261	190	63	51	SSE	3	SSE	1	4	0	—	39	Sunny and warm. ☐
6	30.00	30.02	59.9	48.6	69.0	43.8	8.2	4.8	262	231	57	66	SE	3	ESE	2	0	0	—	36	Sunny. Cool wind.
7	30.03	30.00	55.1	48.3	66.0	39.0	7.3	5.8	294	235	57	69	ESE	3	ESE	4	0	0	—	40	Fine and sunny.
8	29.98	29.88	55.0	52.4	67.0	38.0	8.0	6.2	241	247	56	63	ESE	4	E	4	0	0	—	36	Sunny. Cold wind.
9	30.04	30.02	55.0	47.9	61.3	32.7	7.0	3.9	260	244	60	74	E	1	E	1	0	0	—	36	Sunny. Cool wind.
10	30.07	30.06	55.0	48.9	62.8	40.0	5.5	3.1	236	274	66	80	NE	1	NE	1	0	0	—	34	Sunny and warm.
11	30.09	30.07	57.0	50.1	74.0	33.9	6.2	2.2	300	306	64	84	SE	1	W	1	7	0	—	38	Sunny and warm.
12	29.92	30.01	56.0	44.0	63.7	43.3	4.9	2.0	319	244	71	84	W	2	NW	1	0	2	—	35	Sunny and warm.
13	30.11	30.02	48.4	43.0	55.6	29.8	6.3	2.7	206	221	61	80	N	2	NW	1	7	10	03	42	Cloudy. ☉ 4p.—5p.
14	29.95	29.86	45.2	42.3	53.7	38.9	5.2	4.8	196	180	65	67	NNW	1	NNW	2	4	8	—	30	Cloudy.
15	30.08	30.08	43.2	37.0	50.0	32.6	3.2	3.0	213	165	77	75	N	3	N	1	8	1	—	37	Cloudy. Sunny intervals.
16	30.04	30.04	46.6	44.0	57.0	36.0	4.9	6.0	214	172	67	59	NW	2	NW	3	4	10	—	29	Cloudy and cold.
17	29.87	30.01	52.0	41.0	60.0	38.8	6.5	2.4	237	208	62	81	W	2	SW	1	7	2	—	27	Cloudy all day.
18	30.08	30.01	55.9	51.0	75.0	29.3	9.8	5.0	220	255	48	68	SW	3	SW	1	3	6	—	32	Very cold air all day.
19	30.09	30.02	63.7	59.0	67.5	29.3	9.7	5.6	308	340	52	68	SSW	2	SE	1	0	7	—	36	Cloudy a. Bright p.
20	30.09	30.02	63.7	59.0	67.5	29.3	9.7	5.6	308	340	52	68	SSW	2	SE	1	0	7	—	39	Sunny and warm.
21	30.09	30.02	63.7	59.0	67.5	29.3	9.7	5.6	308	340	52	68	SSW	2	SE	1	0	7	—	32	Sunny and very warm.
22	30.09	30.02	63.7	59.0	67.5	29.3	9.7	5.6	308	340	52	68	SSW	2	SE	1	0	7	—	43	Sunny and very warm.
23	30.09	30.02	63.7	59.0	67.5	29.3	9.7	5.6	308	340	52	68	SSW	2	SE	1	0	7	—	47	Sunny and very close.
24	30.11	30.04	52.4	46.4	65.4	49.9	0.0	3.4	403	306	100	78	SSE	2	SW	5	10	0	—	48	Cloudy a.
25	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	43	Sunny intervals. ☉ from 11p.
26	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	50	☉ till 8a. Sunny intervals.
27	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	39	☉ showers p.
28	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	50	☉ showers.
29	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	42	☉ showers evening.
30	30.18	30.14	51.0	50.6	57.9	42.5	2.3	0.6	311	353	83	96	S	4	S	3-4	10	5	—	47	Sunny intervals.
31	29.78	29.66	61.0	58.0	69.0	55.0	3.0	3.5	439	380	82	79	SSW	3	SSW	2	10	10	—	45	Cloudy.
																				44	Overcast.
M.	29.870	29.854	54.3	49.7	63.5	40.6	6.0	4.0	280	270	65	74		2.4	2.0	5.1	4.7	0.52	—	38.3	

CAMBRIDGE, a.—MAY 1909.

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	29.98	30.14	41.3	37.8	51.0	34.0	5.4	0.8	161	210	62	93	NW	4	NW	2	8	9	06	11.0	29	Fine and sunny. ☉ 6p.
2	30.27	30.34	45.8	42.0	52.3	34.2	4.8	2.7	208	212	68	80	NW	4	SE	2	7.00	0	—	11.1	27	Sunny intervals. Δ noon.
3	30.39	30.38	51.0	43.3	57.0	34.0	5.0	2.5	255	227	68	81	SE	2	E	2-3	2	0	—	12.3	25	Fine and sunny.
4	30.39	30.32	55.4	48.3	61.5	39.5	7.2	5.4	262	220	59	65	SSE	2	E	3	5	2	—	14.0	32	Continuous sunshine 5a.-7p.
5	30.28	30.20	58.0	50.0	63.8	39.0	10.0	3.3	238	280	49	78	SE	3-4	NE	4-5	0	0	—	14.0	31	Continuous sunshine 5a.-7p.
6	30.22	30.23	60.4	48.2	65.0	39.0	8.0	3.7	304	251	58	75	E	5	N	4	0	0	—	14.0	39	Continuous sunshine 5a.-7p.
7	30.23	30.21	58.0	48.0	62.5	41.9	9.9	5.7	240	211	49	64	E	4	NE	4	0	0	—	14.0	35	Continuous sunshine 5a.-7p.
8	30.17	30.08	57.6	49.0	63.3	40.0	11.0	6.1	207	215	44	62	E	3	N	2	0	0	—	14.0	33	Continuous sunshine 5a.-7p.
9	30.00	30.00	59.9	46.0	62.4	29.3	4.7	2.2	260	261	70	85	N	5	N	4-5	6.00	10	—	4.5	22	Sunny 5.30a.-9.30a.
10	30.02	30.09	48.2	40.4	50.1	40.4	4.2	1.4	241	222	72	89	N	2-3	Calm	0	10	0	—	0.9	38	Overcast.
11	30.14	30.10	53.3	58.1	71.0	29.9	4.9	5.1	283	341	69	70	SW	2-3	SW	2	0	5	—	12.8	22	Fine and sunny.
12	30.10	30.14	59.0	44.8	67.0	40.0	7.6	1.8	295	255	59	86	W	2	N	4	9	9	02	4.8	29	Overcast from 1p. ● 6p.
13	30.26	30.21	47.0	42.7	51.5	35.0	5.2	3.7	211	200	66	73	NW	4	N	2	5	10	—	9.0	29	Sunny intervals.
14	30.13	30.00	46.6	44.0	53.9	35.0	5.6	1.5	201	255	63	88	Calm	0	Calm	0	9	10	—	5.2	28	Sunny intervals.
15	30.05	30.09	43.8	40.0	49.2	36.3	3.6	2.0	211	207	73	84	N	2-3	N	1	9.00	3	02	3.8	29	Δ 10.30a.
16	30.01	29.83	50.0	45.0	56.0	29.5	7.0	3.8	208	218	58	73	SE	4	N	4-5	4	8	01	9.5	19	Fine and sunny.
17	29.71	29.95	46.8	40.5	51.0	40.5	1.8	0.2	277	248	87	98	W	3-4	Calm	0	10	10.00	02	—	40	Overcast. ● 3p.-5p.
18	30.06	30.17	54.3	51.9	62.0	33.0	5.2	6.0	288	245	66	64	SW	5-6	W	2	5	2	—	10.5	25	Sunny intervals.
19	30.26	30.23	56.0	55.2	68.8	32.7	8.0	3.9	254	330	56	76	SW	1	Calm	0	5	0	—	11.6	25	Fine and sunny.
20	30.25	30.17	63.4	57.5	72.0	37.1	10.4	6.3	290	305	50	64	S	2-3	SE	2	2	3	—	12.5	26	Fine and sunny.
21	30.08	30.01	67.8	60.5	79.9	45.0	8.8	4.9	389	379	57	72	ESE	2	Calm	0	6	5	—	11.0	33	Fine and sunny.
22	30.07	30.03	68.0	61.0	81.1	46.5	8.9	3.6	390	422	56	79	W	1	Calm	0	5	9	—	13.8	37	Fine and sunny.
23	30.08	30.18	69.5	60.2	77.8	50.0	8.3	4.1	429	396	59	76	SW	1	WNW	3-4	7	8	—	10.8	40	Sunny intervals.
24	30.30	30.10	65.0	56.5	72.9	41.6	8.9	6.7	344	285	55	62	N	2	SE	4	1	9	34	13.0	39	Fine and sunny.
25	29.70	29.53	53.0	52.0	59.2	51.1	0.3	0.1	394	385	98	99	SE	2-3	S	2	10.00	9	40	—	45	● 7a.-noon. Overcast.
26	30.50	30.47	55.0	51.0	57.0	45.4	5.2	2.1	394	321	69	85	SE	5-6	SW	6	5	10	45	4.7	39	● 11a.-1p. ☉ 2p.-3p.
27	30.56	30.48	57.0	51.5	62.0	49.1	4.3	1.0	344	354	74	93	SW	5	Calm	0	8	10	05	3.8	46	☉ showers. Sunny intervals.
28	30.83	30.82	59.9	57.0	67.0	47.0	5.7	4.2	350	346	67	74	WSW	2	SW	4	5	100.00	01	9.5	39	Sunny intervals.
29	30.88	30.06	60.8	52.8	65.0	50.2	6.5	2.8	344	325	65	81	SW	4-5	Calm	0	5	2	—	11.7	48	Fine and sunny.
30	30.18	30.16	59.9	56.5	70.0	45.9	4.9	1.4	370	415	71	91	SW	2-3	Calm	0	3	4	—	10.3	38	Fine and sunny.
31	30.03	29.86	65.0	59.0	74.0	52.9	4.0	2.3	478	427	78	86	S	2	Calm	0	8	3	—	9.3	47	Sunny intervals.
M.	30.068	30.056	55.7	50.0	62.8	40.2	6.3	3.3	291	289	64	79		3.0	2.1	5.1	5.2	1.38	287	33.1		

† Beaufort Scale (0-12).

CHELTENHAM, GLOUCESTERSHIRE, a.—MAY 1909.

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 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.	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.		
	ins.	ins.					in.	in.	%	%	†	†											
1	29°00	30°04	39°7	40°2	55°4	34°4	4°1	5°6	168	149	69	60	W	2	W	1	3	0	—	11°0	27	* 8a. Pleasant day.	
2	30°14	14	44°7	42°7	53°9	33°4	5°0	4°0	195	195	65	71	W	1	Calm	0	2	0	—	11°0	26	Very pleasant day.	
3	19	18	50°2	49°7	56°2	36°3	7°5	7°0	202	206	55	58	SE	3	SE	1	0	0	—	14°0	27	Very pleasant day.	
4	17	30°10	55°7	47°7	63°4	40°5	8°1	8°0	247	204	55	62	SE	1	SE	3	0	0	—	13°0	35	Pleasant day.	
5	30°07	29°06	58°7	53°7	65°4	43°5	8°1	8°0	281	227	57	55	SE	1	SE	3	0	0	—	14°4	38	Very pleasant day.	
6	29°06	97	62°7	48°9	69°2	48°5	10°3	5°2	284	230	50	66	NE	5	S	1	0	0	—	14°3	43	Very pleasant day.	
7	97	95	60°5	50°9	65°4	44°6	10°7	8°5	251	193	47	51	E	3	E	3	0	0	—	14°2	39	Very pleasant day.	
8	95	89	58°9	54°5	65°4	41°8	12°4	8°0	207	235	41	55	SE	2	E	2	0	0	—	14°5	33	Very pleasant day.	
9	83	83	56°7	47°7	58°6	37°5	8°5	4°0	250	240	54	73	N	1	NE	1	0	0	—	13°9	29	Very pleasant day.	
10	87	29°92	47°9	47°5	56°9	43°8	4°4	3°7	234	244	71	74	W	1	NE	2	10	0	—	8°3	41	Dull a. Very pleasant day.	
11	98	30°02	59°7	52°5	69°6	40°2	6°3	4°7	333	277	64	70	Calm	0	W	1	0	0	—	13°7	31	Pleasant day.	
12	29°06	29°07	62°1	49°7	67°8	42°2	8°5	2°9	315	285	56	79	SW	1	NW	3	8	10	—	5°5	33	Bright a. Pleasant day.	
13	30°09	30°02	49°4	44°5	54°8	35°3	2°8	2°6	284	236	80	81	E	1	E	1	10	10	—	8°9	27	Dull a. Pleasant day.	
14	29°05	29°05	48°7	40°1	54°6	39°3	5°2	2°9	227	191	66	77	W	3	Calm	0	4	0	—	4°5	31	Bright a. Pleasant day.	
15	92	88	47°5	43°0	53°0	34°2	5°4	2°9	213	217	65	78	W	1	NE	3	3	2	—	7°7	27	Bright a. Pleasant day.	
16	79	64	49°3	48°7	53°4	38°5	5°6	5°0	226	231	64	67	NE	3	E	3	4	6	—	3°5	34	Bright a. Pleasant day.	
17	63	29°80	48°3	46°5	56°6	41°1	5°1	3°6	225	236	66	74	W	2	S	1	8	0	—	7°2	39	Bright a. Pleasant day.	
18	29°00	30°03	52°9	44°9	59°4	42°6	4°7	3°2	283	229	70	77	S	1	S	1	8	0	—	7°6	33	Dull a. Pleasant day.	
19	30°08	30°07	59°3	62°0	65°0	34°4	10°7	7°9	238	327	46	58	S	1	S	1	0	0	—	12°5	28	⊕ a. Very pleasant day.	
20	30°04	29°06	64°7	57°7	73°0	43°4	10°1	6°5	315	303	51	63	SE	4	Calm	0	0	0	—	14°6	33	Very pleasant day.	
21	29°88	87	68°7	56°0	79°8	53°8	6°4	2°2	470	334	67	86	S	1	S	1	9	2	—	11°0	43	Very pleasant day.	
22	94	29°00	59°7	61°9	71°8	50°7	3°4	3°0	407	454	80	82	SW	3	SW	1	8	10	—	5°4	47	Very pleasant day.	
23	29°01	30°07	66°0	56°7	69°4	53°8	6°2	6°1	428	299	67	65	SW	1	SW	2	8	6	—	7°9	45	Very pleasant day.	
24	30°11	29°84	64°7	62°7	71°6	45°3	7°8	4°7	367	418	59	73	S	2	SE	5	10	8	41	12°5	37	Very pleasant day. ● n.	
25	29°45	39	56°7	49°9	63°2	49°5	1°9	2°5	404	297	87	82	SE	4	SE	1	10	8	01	5°0	44	Dull. ● 1.30 p.	
26	20	17	53°7	50°9	59°4	45°6	2°7	0°7	339	355	81	95	SW	4	SW	3	0	10	29	2°1	42	Dull. ● 1p.	
27	18	44	54°7	53°7	56°4	46°8	3°1	2°1	343	355	80	85	SW	3	SW	2	8	7	03	4°4	44	Dull a.	
28	68	66	59°7	51°0	59°9	41°0	7°1	0°2	315	369	61	99	W	2	S	1	6	10	08	7°0	35	Pleasant day. ● 7p.—9p.	
29	29°77	29°04	58°7	53°7	65°4	50°7	7°1	2°1	303	330	61	79	W	1	W	2	9	7	—	5°6	46	Very pleasant day.	
30	30°03	30°07	59°5	60°2	66°4	45°9	5°9	3°7	340	434	66	83	SW	3	W	1	10	10	—	2°7	38	Very pleasant day.	
31	29°82	29°67	64°0	62°3	73°0	56°1	5°1	4°5	427	418	71	74	SW	2	S	1	8	9	07	5°9	53	Dull a. Very pleasant day.	
M.	29°882	29°878	56°2	51°4	63°0	43°1	6°5	4°4	294	283	64	73	2°0		1°6	4°7	3°7	0°89	284	36°2			

SOUTHAMPTON, HAMPSHIRE, a.—MAY 1909.

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.	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	ins.	ins.	43°	41°	51°	37°	5°	in.	in.	%	%	†	†			ins	hrs.	°					
2	30°02	30°18	43°	41°	51°	37°	5°	175	209	61	81	NW	4	NE	4	4	0	12°4	35	% showers a.			
3	28	30	43°	44°	55°	32°	6°	206	240	61	81	N	4	SW	3	4	0	11°1	27	Fine and sunny. ☁ p.			
4	35	30	50°	45°	53°	34°	5°	234	218	65	69	SE	3	E	3	2	0	13°2	29	☁ a. and p. Fine and sunny			
5	31	19	50°	43°	61°	44°	1°	219	225	48	58	SE	3	SE	4	1	0	13°0	29	☁ a. Fine and sunny.			
6	15	02	60°	55°	66°	44°	11°	239	244	46	55	NE	4	NE	4	0	0	13°0	40	☁. Fine and sunny.			
7	05	05	64°	53°	71°	50°	12°	263	252	43	61	ENE	5	NE	4	0	0	13°7	48	☁. Fine and sunny.			
8	07	30°04	60°	52°	67°	46°	10°	255	210	48	54	ENE	5	NE	4	0	0	13°8	43	☁. Fine and sunny.			
9	30°03	29°99	60°	51°	67°	45°	12°	208	216	40	58	E	5	NE	4	0	0	14°0	41	☁. Fine and sunny.			
10	29°94	29°94	60°	47°	66°	41°	12°	218	244	42	74	NE	4	NE	5	0	10	14°2	36	☁. Fine and sunny.			
11	29°97	30°03	53°	49°	65°	42°	6°	3°	252	265	61	74	NE	3	NE	3	1	0	13°1	37	☁. Fine and sunny.		
12	30°14	16	53°	49°	62°	45°	4°	1°	295	321	72	92	SW	3	SW	3	0	0	11°9	32	☁. Fine and sunny.		
13	11	06	63°	55°	72°	41°	7°	5°	345	298	59	66	SW	2	NW	3	2	3	10°0	34	☁. a. Fine and sunny.		
14	22	14	51°	46°	57°	38°	3°	2°	297	246	79	80	NE	4	SW	3	0	1	10°0	34	☁. Fine and sunny.		
15	08	01	50°	44°	51°	44°	4°	1°	257	265	71	91	NE	4	SW	3	2	2	5°8	39	☁. Fine and sunny.		
16	30°01	30°01	49°	47°	55°	35°	7°	3°	202	250	56	77	NNW	2	SE	3	3	10	9°0	29	☁. Fine and sunny a.		
17	29°91	29°73	52°	48°	57°	37°	6°	5°	235	217	61	64	E	4	NE	3	2	10	7°5	35	Sunny intervals.		
18	29°76	29°93	50°	47°	60°	44°	5°	2°	245	266	68	81	NE	4	SW	4	1	10	7°5	35	Fine and sunny till 1 p.		
19	30°07	30°17	54°	50°	61°	39°	5°	1°	292	332	68	89	SW	3	SE	2	4	0	0°20	7°8	42	Fine. ☁ p.	
20	23	20	59°	51°	63°	40°	7°	3°	308	298	62	79	SE	3	SE	2	0	0	0°10	6°0	31	° 8 a. and 11 a. ☁ p.	
21	19	09	63°	56°	68°	42°	7°	4°	351	335	61	74	SE	2	SE	2	0	0	—	14°3	34	☁. Fine and sunny.	
22	00	02	65°	58°	77°	47°	8°	4°	367	361	58	73	SE	2	SW	2	0	0	—	12°1	36	☁. Fine and sunny.	
23	06	04	66°	58°	76°	50°	5°	3°	437	399	69	81	SW	2	SW	2	0	0	—	13°5	40	☁. Fine and sunny.	
24	08	30°20	68°	55°	71°	50°	7°	5°	427	300	62	68	SW	2	NW	3	4	0	—	9°6	44	☁. Fine and sunny.	
25	30°27	29°28	66°	61°	67°	47°	8°	9°	358	294	56	54	SE	3	SE	4	0	3	°630	11°0	44	☁. Fine and sunny.	
26	29°63	58	55°	51°	63°	50°	0°	1°	427	331	99	88	SW	2	SW	2	10	3	°200	6°7	48	☁. Fine and sunny.	
27	39	48	50°	50°	57°	49°	0°	0°	361	349	100	95	SE	4	SW	5	10	100°	°040	2°3	46	• 1.30a-7a.	
28	58	69	55°	50°	59°	49°	4°	0°	340	342	75	95	SW	4	SW	3	8	3	°100	2°5	48	• 6.30a-9a. • 6 p. Fair. • 6p.-7.30p.	
29	29°93	30°11	60°	55°	66°	50°	7°	3°	345	336	74	87	SW	3	SW	4	2	10	°100	7°1	37	Sunny intervals. • 8p.-9p.	
30	30°20	30°15	59°	55°	67°	45°	0°	5°	327	327	61	76	NW	4	NW	2	3	0	—	12°2	50	☁. Fine and sunny.	
31	30°00	29°85	63°	59°	68°	51°	8°	3°	352	401	71	90	SE	2	SE	3	4	6	—	9°5	40	Fine and sunny.	
									343	394	58	79	SW	4	SE	2	2	1	°210	13°4	52	Fine and sunny.	
M.	30°027	30°015	57°2	51°6	63°5	44°0	6°9	3°9	296	290	63	76				3°4	3°2	2°2	2°5	1°320	327	39°0	

PLYMOUTH, DEVONSHIRE, a.—MAY 1909.

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	30°06'	30°19'	45°0'	43°0'	50°2'	41°2'	8°0'	4°8'	152	184	50	66	N	20	N	11	3	0	—	13°2	35	Fine and sunny.	
2	26	27	51°0'	47°0'	52°8'	33°0'	5°8'	0°5'	240	317	64	97	N	4	SW	4	3	0	—	11°9	25	Fine and sunny.	
3	23	17	52°0'	46°6'	52°9'	38°0'	2°0'	3°4'	335	241	86	76	SE	23	E	14	1	0	—	11°8	32	Fine and sunny.	
4	18	30°07'	53°5'	51°4'	57°9'	46°0'	9°7'	6°4'	197	233	48	61	E	30	E	20	0	0	—	13°0	42	Fine, sunny, and breezy.	
5	30°02'	29°89'	58°0'	57°6'	57°9'	47°9'	7°5'	7°1'	286	289	59	61	E	19	E	23	0	0	—	13°5	43	Very fine, sunny, and windy.	
6	29°89'	92	58°0'	57°6'	68°9'	52°1'	11°8'	6°3'	208	306	44	65	SE	27	E	18	6	0	—	12°3	43	Very fine, sunny, and windy.	
7	93	91	58°1'	56°6'	67°0'	51°7'	9°5'	9°5'	248	230	51	50	E	27	E	20	0	0	—	13°6	48	Very fine, sunny, and windy.	
8	90	89	57°0'	54°6'	65°9'	49°7'	7°9'	10°0'	265	203	57	47	E	25	E	16	0	0	—	13°9	45	Very fine.	
9	89	29°84'	62°0'	57°0'	68°9'	47°6'	5°9'	6°3'	375	298	68	64	E	9	S	7	0	0	—	13°4	40	Very fine.	
10	29°96'	30°02'	50°0'	48°1'	59°2'	43°2'	5°4'	2°1'	237	284	66	85	E	7	—	1	3	0	—	10°8	36	Very fine.	
11	30°09'	13	57°0'	52°1'	59°0'	41°3'	4°9'	1°9'	329	339	71	86	—	1	—	1	0	0	—	12°5	35	Very fine.	
12	16	09	58°0'	54°8'	72°8'	44°1'	6°7'	6°0'	303	259	63	62	—	2	NW	11	0	0	—	13°3	36	Very fine.	
13	18	13	48°8'	48°6'	56°9'	44°0'	0°9'	6°2'	323	209	93	61	E	19	—	3	1	4	—	13°3	38	Very fine.	
14	06	30°01'	50°0'	46°8'	55°5'	40°0'	5°4'	5°8'	237	199	66	62	NW	6	N	8	1	2	—	8°2	36	Fine.	
15	30°00'	29°97'	50°4'	47°0'	55°9'	41°8'	7°8'	1°8'	199	280	55	87	N	6	N	6	3	3	—	12°4	37	Fine.	
16	29°86'	75	52°6'	53°0'	56°9'	38°0'	7°5'	7°7'	225	225	58	56	E	14	—	2	5	5	—	11°9	31	Very fine.	
17	29°83'	29°93'	54°0'	49°0'	57°5'	40°2'	6°3'	2°2'	261	294	63	85	NW	4	W	7	1	0	—	7°3	31	Fine. ☉ shower.	
18	30°03'	30°18'	56°0'	48°0'	62°9'	47°4'	4°5'	3°5'	329	253	73	76	W	8	NW	5	3	0	—	13°4	42	Fine.	
19	18	16	57°6'	51°6'	62°3'	37°0'	6°5'	4°6'	301	270	64	71	S	9	E	10	0	0	—	14°3	33	Very fine and warm.	
20	09	02	64°6'	58°0'	72°8'	49°6'	7°9'	1°7'	364	430	60	89	E	12	E	9	0	0	—	14°1	45	Very fine and warm.	
21	01	02	64°0'	57°8'	68°3'	54°7'	4°0'	0°7'	461	427	77	89	S	7	—	3	4	0	—	13°3	50	Very fine and warm.	
22	07	03	55°0'	54°7'	60°7'	50°2'	0°7'	0°9'	412	403	95	95	—	0	—	0	10≡	4	0	01	27	46	Fine, but cloudy.
23	09	30°18'	52°8'	60°4'	65°3'	50°0'	0°0'	0°0'	79	400	306	100	58	S	4	N	5	10≡	2	—	5°6	46	
24	30°22'	29°85	58°0'	51°4'	64°4'	44°0'	5°1'	0°0'	340	380	71	100	E	11	E	20	3	10	28	10°2	39	☉ in evening.	
25	29°62'	56	56°0'	53°1'	59°1'	51°4'	1°1'	0°8'	416	382	92	94	SW	13	SW	16	8	3	36	7°3	51	☉ showers. ☉	
26	36	46	52°6'	51°0'	53°1'	49°5'	0°4'	1°7'	386	331	97	88	SW	14	W	20	9	10	27	0°4	48	☉ showers all day.	
27	55	72	52°4'	51°0'	57°1'	49°8'	2°5'	1°1'	329	346	83	92	SW	13	—	3	9	10≡	—	1°3	47	Overcast, with ☉.	
28	85	29°81'	57°4'	52°7'	58°9'	47°0'	3°7'	0°2'	365	393	77	99	NW	7	SW	17	6	10	04	4°6	40	☉ showers.	
29	29°08	30°10	57°8'	56°0'	61°1'	51°6'	4°8'	3°5'	344	353	72	78	W	10	NW	6	7	1	—	11°7	48	Fine.	
30	30°17	30°16	56°4'	54°6'	56°9'	49°1'	1°5'	0°5'	410	413	90	97	S	6	—	1	10	10	03	—	41	☉ till noon. Overcast.	
31	29°94	29°83	64°3'	57°6'	68°9'	53°2'	0°6'	1°7'	580	424	96	88	S	14	—	1	2	7	—	9°2	51	Fine.	
M.	29°988	29°976	55°5'	52°6'	61°3'	45°9'	5°0'	3°8'	318	306	71	77		12		9	3°5	2°6	1°00	314	40°6		

* Miles per hour.

† Beaufort Scale (0—12).

ARMAGH, a.—MAY 1909.

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.		Mn.	Grass.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	45.8	40.0	52.0	30.8	5.0	3.0	205	189	67	76	N	5	—	2	2	9	ins.	hrs.	°	
2	30.01	30.10	45.8	40.0	52.0	30.8	5.0	3.0	205	189	67	76	N	5	—	2	2	9	—	9.1	26	
3	29.98	29.99	44.0	45.4	52.0	35.7	5.3	2.4	183	249	63	83	—	1	S	9	9	10	—	5.0	28	
4	30.00	29.95	51.8	46.0	56.9	45.0	5.1	5.9	259	235	74	69	S	11	SSE	7	10	10	—	0.7	42	
5	29.99	29.97	56.0	52.9	63.2	44.9	7.9	10.1	256	186	56	46	SE	11	—	3	10	9	—	1.1	42	
6	29.97	29.98	57.6	53.8	64.7	42.9	7.8	9.6	275	201	58	49	ESE	14	E	15	0	0	—	13.4	35	
7	30.01	30.00	54.7	52.2	62.3	43.0	8.2	9.9	234	183	55	46	E	10	E	13	0	0	—	13.7	35	
8	30.00	29.91	54.7	47.3	62.2	41.0	8.2	6.5	234	192	55	59	E	8	—	1	0	0	—	13.8	33	
9	29.89	29.87	55.8	48.5	66.0	38.5	7.0	4.3	271	243	61	71	—	3	—	3	0	0	—	13.9	31	
10	87	88	54.5	49.9	71.0	36.9	4.9	6.4	297	218	70	61	—	2	—	0	0	0	—	13.5	30	
11	95	29.99	54.4	53.0	67.3	40.7	4.8	4.0	298	299	70	74	—	3	—	2	1	10	—	12.4	32	
12	29.91	30.11	52.5	40.3	55.9	40.3	2.8	4.0	322	175	81	69	SW	7	—	2	10	0	—	5.7	37	
13	30.16	30.11	45.4	38.5	52.9	35.7	4.8	4.5	204	153	68	65	—	3	—	0	10	4	—	8.4	29	
14	29.96	29.94	40.7	37.0	53.0	34.0	2.1	4.0	270	149	85	68	—	2	—	2	9	2	—	7.0	28	
15	94	87	45.0	37.7	49.5	30.7	6.8	4.5	174	147	57	65	—	2	—	1	3	1	—	0.53	5.2	26
16	79	69	46.0	41.6	52.0	33.0	4.0	2.8	225	207	73	80	—	2	—	0	9	10	—	4.1	28	
17	63	71	50.6	40.8	55.4	33.0	6.4	1.0	225	234	61	92	S	7	—	1	2	4	—	6.3	27	2.30p.
18	88	94	50.5	44.0	55.8	33.0	5.5	4.0	240	205	65	71	—	2	—	2	8	1	—	11.1	31	
19	95	92	54.6	51.6	61.4	43.1	5.4	4.0	287	284	68	75	SSW	7	SE	4	8	10	—	3.6	37	
20	85	79	58.3	58.0	66.1	47.7	6.7	6.4	306	309	63	64	SE	10	S	8	9	10	—	1.7	44	
21	73	79	61.0	59.7	69.9	56.4	5.6	5.0	368	365	69	71	SE	10	—	2	10	10	—	4.1	52	
22	83	29.73	58.7	54.7	63.2	48.1	4.2	3.7	371	328	75	76	—	3	S	9	9	10	—	0.40	2.6	43
23	81	30.00	56.8	51.0	65.0	51.0	5.2	3.3	321	292	69	78	SW	7	—	2	8	3	—	0.23	8.6	49
24	30.03	29.71	56.4	50.7	62.0	46.0	4.9	1.2	324	340	71	92	S	4	E	4	9	10	—	2.20	6.5	42
25	29.27	29.18	55.7	49.3	61.9	49.3	2.0	2.7	388	286	87	81	SSE	10	S	5	8	8	—	1.15	6.8	49
26	02	10	53.7	49.5	56.7	48.0	3.6	2.4	317	294	77	84	SE	6	—	1	9	10	—	0.60	2.2	45
27	19	44	51.3	48.8	57.0	47.8	2.3	2.4	319	288	84	83	SW	9	WSW	4	10	8	—	1.00	3.0	45
28	54	41	54.6	49.6	58.3	46.0	4.5	2.6	307	291	73	82	SW	6	SW	8	10	0	—	0.85	0.6	43
29	63	78	55.5	49.5	61.0	48.8	5.0	5.5	310	230	70	65	SW	6	SW	4	9	0	—	0.27	6.7	46
30	84	79	57.0	55.0	62.0	46.9	6.5	0.8	294	409	63	94	SW	8	SSW	4	2	9	—	1.90	5.3	42
31	29.64	29.69	55.3	47.5	61.0	47.5	0.9	0.8	411	309	94	94	SSW	5	—	0	10	10	—	3.50	—	47
M.	29.818	29.817	53.0	48.1	59.9	42.2	5.1	4.3	282	248	69	72	6	4	—	6.3	5.4	1.705	209	37.4		

MARKREE CASTLE, SLIGO, a.b.—MAY 1909.

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	30°17	30°21	47°0	39°0	50°8	32°8	6°0	6°0	197	135	61	57	Calm	0	Calm	0	4	7	—	12°0	27	Fine.	
2	—17	—04	46°5	45°0	55°2	26°6	6°0	2°0	194	253	61	85	SE	3	SE	3	7	10●	14	5°5	21	Fine a. ● p. — n.	
3	30°02	30°01	50°7	46°5	59°0	43°5	3°7	4°0	279	229	76	73	SE	3	SE	5	10	10	—	27	42	Fine.	
4	29°97	29°97	52°5	50°0	60°0	44°0	5°5	6°0	261	226	66	63	SE	7	SE	3	10	10	—	0°5	41	Overcast and squally.	
5	29°99	29°99	62°5	51°8	67°0	45°9	9°5	7°0	296	226	52	59	SE	4	SE	3	0	0	—	12°0	38	Fine and warm.	
6	30°01	—01	60°8	55°0	67°3	45°8	7°8	7°0	313	260	59	60	SE	5	SE	4	0	5	—	11°6	38	Fine.	
7	—04	30°04	59°0	51°5	64°9	43°3	7°5	6°7	298	228	59	60	SE	4	Calm	0	6	0	—	11°7	37	Fine.	
8	30°05	29°98	57°5	46°5	66°0	42°9	8°5	3°0	259	249	55	80	SE	3	Calm	0	0	0	—	13°8	31	— Fine and warm.	
9	29°94	29°94	57°0	51°0	71°0	33°3	10°5	3°0	327	299	51	80	Calm	0	Calm	0	0	0	—	13°3	26	— Very warm.	
10	29°95	30°00	61°4	48°0	65°9	37°4	7°4	1°0	330	309	60	93	Calm	0	NW	2	0	9	—	13°7	29	Fine. Misty evening.	
11	30°08	—10	51°8	51°9	58°0	43°9	3°5	1°9	297	330	77	87	N	3	W	2	4	9	—	11°6	37	Fine, but cool.	
12	—06	—21	53°0	42°9	56°0	41°8	3°0	3°9	322	198	80	72	WNW	3	Calm	0	10●	0	—	0°3	6°5	35	● a. Fine p.
13	—27	—22	47°8	40°0	52°3	32°9	5°8	3°5	208	181	63	73	N	3	Calm	0	8	0	—	0°4	7°6	26	— Fine, but cool.
14	—07	30°05	47°5	37°0	53°0	31°0	3°7	2°0	244	182	75	83	NW	3	Calm	0	5	0	—	0°2	9°6	23	— ● showers.
15	30°01	29°94	45°8	39°7	53°3	27°4	5°3	1°9	200	207	65	84	Calm	0	Calm	0	9	4	—	7°3	22	Fine.	
16	29°82	—74	48°8	42°5	50°3	35°4	3°3	0°5	268	261	78	96	SE	2	Calm	0	9	1	—	2°6	1°3	28	Fair a. ● p.
17	—67	29°82	46°0	37°9	50°1	36°8	2°2	1°9	261	191	85	84	S	3	Calm	0	10●	1	—	0°7	3°0	27	▲ showers.
18	29°95	30°00	52°0	46°5	56°3	29°4	7°7	4°0	215	229	50	73	S	2	S	1	5	10	—	0°2	10°0	24	Fine. —
19	30°01	29°96	54°3	52°8	60°0	46°0	5°3	4°8	286	279	68	70	SE	3	S	3	9	10	—	5°3	43	Fine and mild.	
20	29°86	—83	57°0	57°0	66°9	47°0	5°0	3°0	327	377	70	81	SE	4	SE	4	10	10	—	11	1°3	45	Fair till evening, then ●.
21	—78	—88	58°0	51°5	65°4	49°5	2°7	1°7	401	330	83	89	S	3	Calm	0	10	1	—	—	1°9	39	Fine.
22	—87	29°74	58°8	55°9	68°1	43°0	3°8	0°9	383	420	77	94	SE	4	S	5	9	10	—	1°0	2°3	38	Fine. ● in evening.
23	29°90	30°08	58°7	50°6	65°0	48°4	5°7	1°8	334	323	67	88	S	3	Calm	0	10	0	—	—	1°5	47	Fine.
24	30°07	29°63	53°4	51°0	62°5	42°5	1°9	1°3	356	341	88	91	SE	2	SE	5	10	10●	45	—	36	Fair, but dull. ● n.	
25	29°25	—19	56°0	50°2	60°5	49°1	3°0	1°2	305	332	81	92	S	3	SE	2	6	10	—	10°9	5°5	49	● a. Fair p.
26	—09	—21	55°0	50°5	59°0	48°4	1°7	1°7	383	324	89	89	NW	2	Calm	0	10●	6	—	0°4	3°0	45	Fine, but cool.
27	—27	—53	51°8	50°0	55°8	47°7	2°0	3°0	333	286	87	80	SW	4	SW	1	10●	10	—	11	0°5	42	● showers.
28	—61	—52	51°0	52°5	59°0	47°3	3°0	3°5	299	304	80	77	S	3	SW	4	10	7	—	12	2°5	45	● showers.
29	—72	—87	57°5	48°9	62°0	48°0	5°5	1°9	322	299	68	87	SW	3	W	1	9	1	—	01	8°4	42	Fine.
30	—95	—84	53°3	55°0	61°5	44°5	2°3	1°0	343	403	84	93	SW	3	SE	2	9	10	—	26	3°5	37	Fine a. ● showers p.
31	29°69	29°81	56°0	46°5	56°8	45°5	0°5	1°5	434	281	97	89	Calm	0	Calm	0	10	9	—	11	0°8	39	Fine, but cool.
M.	29°881	29°882	54°1	48°2	59°7	41°3	4°8	3°0	301	274	72	80		27		16	7°1	5°8	2°8	199	35°5		

* Miles per hour.

† Beaufort Scale (0-12).

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHENIX PARK), a.—MAY 1909.

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 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.	
1	ins.	ins.	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
2	30.09	30.17	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
3	30.10	30.18	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
4	30.11	30.19	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
5	30.12	30.20	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
6	30.13	30.21	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
7	30.14	30.22	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
8	30.15	30.23	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
9	30.16	30.24	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
10	30.17	30.25	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
11	30.18	30.26	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
12	30.19	30.27	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
13	30.20	30.28	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
14	30.21	30.29	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
15	30.22	30.30	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
16	30.23	30.31	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
17	30.24	30.32	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
18	30.25	30.33	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
19	30.26	30.34	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
20	30.27	30.35	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
21	30.28	30.36	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
22	30.29	30.37	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
23	30.30	30.38	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
24	30.31	30.39	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
25	30.32	30.40	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
26	30.33	30.41	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
27	30.34	30.42	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
28	30.35	30.43	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
29	30.36	30.44	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
30	30.37	30.45	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
31	30.38	30.46	42.7	38.1	51.2	33.0	4.3	2.6	191	181	69	78	NW	2	N	4	5
M.	29.893	29.884	52.9	48.5	59.3	41.0	4.1	2.4	302	290	74	84	8	5	5.8	4.5	1.123

BIRR CASTLE, KING'S COUNTY, a.b.—MAY 1909.

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.

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.	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.	
1	30.09	30.14	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
2	30.12	30.17	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
3	30.15	30.20	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
4	30.18	30.23	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
5	30.21	30.26	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
6	30.24	30.29	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
7	30.27	30.32	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
8	30.30	30.35	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
9	30.33	30.38	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
10	30.36	30.41	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
11	30.39	30.44	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
12	30.42	30.47	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
13	30.45	30.50	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
14	30.48	30.53	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
15	30.51	30.56	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
16	30.54	30.59	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
17	30.57	31.02	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
18	31.00	31.05	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
19	31.03	31.08	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
20	31.06	31.11	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
21	31.09	31.14	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
22	31.12	31.17	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
23	31.15	31.20	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
24	31.18	31.23	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
25	31.21	31.26	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
26	31.24	31.29	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
27	31.27	31.32	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
28	31.30	31.35	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
29	31.33	31.38	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
30	31.36	31.41	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
31	31.39	31.44	44.7	40.7	51.7	33.8	0.8	1.9	278	215	94	85	NNW	2	NW	2	5
M.	29.835	29.826	54.6	50.5	60.1	41.8	4.1	3.0	323	299	75	80	2.4	2.1	6.6	7.6	2.599

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MAY 1909.

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	30, 29	30, 23	29, 32	11	29, 18	32, 21	32, 12	30, 10	32, 21	12, 13	28, 11	28, 13	29, 11	27, 10	—	36
2	23, 15	22, 7	30, 16	1	32, 11	5, 7	12, 10	16, 9	32, 11	9	30, 11	32, 13	32, 5	3, 4	—	30
3	17, 13	20, 12	16, 14	11, 12, 15	18, 13	20, 15	21, 10	—	3	18, 18	14	13, 10	14, 16	13, 10	11, 15	—
4	11, 15	12, 11	12, 18	14	14, 12	12, 17	13, 19	12, 12	12, 20	16	11, 9	10, 10	8, 18	8, 26	—	33
5	12, 21	12, 20	12, 25	14	11, 13	11, 15	9, 6	9, 7	11, 16	12	7, 22	6, 23	6, 29	6, 30	—	29
6	13, 13	13, 16	13, 18	11	9, 12	10, 14	10, 13	10, 15	10, 18	20	7, 29	6, 31	6, 30	6, 33	—	31
7	14, 21	14, 12	14, 25	11	10, 15	10, 15	10, 10	11, 4	10, 15	9	6, 26	7, 29	6, 29	6, 29	—	39
8	1, 10	4, 11	4, 11	18, 20	5, 5	7, 7	12, 5	—	3	31, 13	8, 14	5, 14	4, 6	32, 7	—	31
9	32, 8	32, 10	3, 13	9	32, 12	32, 11	32, 12	1, 7	32, 17	1, 2, 3	32, 14	32, 12	1, 12	1, 13	—	28
10	32, 10	1, 4	28, 11	11	1, 6	7, 7	11, 6	13, 4	8, 9	15, 16	30, 9	32, 11	32, 7	30, 4	—	22
11	23, 21	23, 18	23, 24	14	27, 10	7, 9	—	3	24, 10	26, 12	19, 4	13, 21	16, 10	20, 10	—	28
12	32, 24	30, 26	30, 26	18	25, 16	32, 20	1, 15	32, 10	32, 22	12	24, 11	26, 11	25, 12	31, 14	—	34
13	28, 23	27, 18	28, 25	12	32, 15	32, 14	1, 8	32, 4	32, 16	8	30, 11	31, 12	30, 7	28, 4	—	30
14	30, 26	28, 20	28, 32	24	26, 11	1, 11	32, 9	32, 5	2, 12	14	28, 7	6, 8	18, 8	23, 6	—	16
15	28, 23	27, 18	29, 32	9	30, 9	7, 10	13, 9	16, 10	11, 11	17	1, 10	4, 12	6, 9	7, 7	—	21
16	13, 9	12, 9	12, 10	19	—	3	9, 12	13, 16	13, 14	13, 22	8, 16	7, 12	6, 27	5, 29	—	34
17	11, 14	* 10, 12	* 7, 19	7	4, 10	3, 7	7, 7	7, 17	10, 6	11	32, 14	30, 9	28, 4	28, 4	—	25
18	*	*	*	*	19, 9	25, 12	23, 10	24, 8	26, 14	16	23, 11	23, 12	3, 7	—	1	—
19	14, 9	13, 10	*	*	20, 13	24, 11	1, 6	—	2	22, 18	28, *	10, 11	11, 9	12, 6	—	18
20	12, 24	12, 13	12, 26	11	9, 4	10, 15	1, 6	16, 5	13, 16	14	12, 9	12, 10	10, 10	9, 13	—	19
21	15, 10	14, 12	14, 12	11, 12, 18	11, 10	11, 15	9, 4	—	2	20, 11, 15	11, 4	10, 4	—	1	—	18
22	9, 4	10, 9	11, 12	24	25, 10	8, 7	13, 6	—	1	24, 25, 10	32, 4	32, 11	—	1	11, 4	—
23	30, 4	24, 23	24, 25	17	20, 10	20, 9	20, 12	25, 8	26, 13	19	14, 4	10, 10	24, 7	28, 4	—	26
24	25, 21	12, 6	24, 23	11	27, 8	11, 12	12, 18	12, 12	12, 18	18	2, 10	6, 4	12, 9	12, 12	—	19
25	9, 23	9, 23	10, 25	11	12, 26	10, 23	11, 19	11, 8	12, 29	10	9, 26	10, 10	21, 10	21, 8	—	32
26	12, 35	10, 27	8-12, 35	11, 12, 13	18, 20	12, 26	12, 27	13, 15	12, 30	15	15, 23	13, 26	15, 21	16, 13	—	44
27	11, 30	12, 29	11, 33	9	19, 16	19, 16	20, 12	23, 5	19, 18	12	15, 15	14, 20	14, 10	16, 7	—	35
28	15, 16	13, 12	14, 23	1	20, 8	13, 8	21, 13	20, 12	20, 18	16	15, 7	12, 10	16, 7	17, 7	—	19
29	23, 21	22, 21	22, 22	19	23, 15	24, 18	24, 13	21, 11	24, 18	13	24, 10	7, 7	26, 4	—	2	—
30	22, 32	22, 19	22, 33	11, 12	24, 10	26, 12	25, 8	—	2	25, 14	24, 4	13, 9	14, 8	16, 5	—	35
31	6, 6	3, 10	3, 10	20	18, 12	20, 13	20, 12	19, 4	20, 17	12	14, 13	14, 16	14, 10	14, 7	—	26

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	27, 13	28, 13	28, 15	11, 17	30, 25	28, 26	28, 32	29, 27	—	40	30, 23	29, 19	30, 18	30, 21	—	39	6. 20	
2	22, 4	25, 4	22, 5	14, 15, 16	—	3	27, 9	27, 7	—	3	29, 4	18, 7	18, 12	18, 7	—	22	0. 10	
3	17, 13	16, 9	17, 16	9, 12	15, 18	15, 16	15, 14	14, 11	—	24	16, 19	17, 15	17, 6	14, 7	—	31	10. 45	
4	13, 11	10, 9	14, 13	11, 14	13, 16	13, 18	12, 18	11, 11	—	29	14, 19	16, 9	—	2	10, 10	—	25	8. 35
5	8, 15	7, 14	8, 16	14, 15	11, 21	9, 26	8, 21	8, 17	—	39	10, 12	6, 24	7, 26	8, 26	—	41	22. 25	
6	8, 17	8, 17	8, 21	15	9, 23	9, 28	9, 26	8, 19	—	43	7, 30	7, 30	8, 25	8, 26	—	43	2. 15	
7	8, 18	8, 15	8, 20	12	9, 22	9, 28	8, 25	8, 16	—	39	7, 25	6, 27	7, 23	7, 23	—	38	10. 0	
8	10, 10	8, 5	8, 10	9, 10, 12, 13	9, 18	9, 15	9, 11	11, 7	—	29	7, 23	6, 21	6, 13	29, 4	—	31	14. 45	
9	6, 9	4, 8	6, 10	8	8, 16	8, 13	8, 16	9, 9	—	23	6, 6	4, 15	4, 16	4, 10	—	22	13. 40	
10	16, 6	22, 6	22, 7	14	32, 6	29, 14	28, 12	25, 5	—	18	5, 7	2, 12	—	2	—	20	0. 25	
11	23, 12	22, 9	23, 12	13	20, 7	28, 15	25, 10	29, 9	—	19	22, 9	28, 5	20, 7	20, 14	—	21	20. 45	
12	23, 13	4, 9	24, 26, 14	14, 15	24, 20	24, 27	5, 16	5, 10	—	35	24, 19	22, 17	30, 15	1, 14	—	30	14. 35	
13	—	2	30, 7	17	—	1	2, 10	31, 18	8, 7	—	2	29, 7	31, 14	32, 18	—	21	20. 5	
14	25, 13	26, 10	24, 16	14	26, 17	27, 24	28, 27	8, 8	—	37	27, 13	30, 13	31, 16	31, 21	—	30	12. 20	
15	—	3	28, 7	16	32, 5	28, 14	28, 10	30, 6	—	21	31, 10	1, 9	1, 4	1, 4	—	26	0. 10	
16	—	3	4, 6	20, 21	9, 6	30, 6	4, 11	10, 8	—	15	5, 13	6, 10	9, 7	9, 7	—	21	10. 30	
17	4, 4	4, 4	4, 5	9, 10, 14, 17	2, 8	27, 13	30, 8	10, 7	—	16	10, 4	4, 4	21, 11	18, 9	—	22	21. 45	
18	24, 12	24, 10	24, 15	9	26, 16	25, 17	24, 13	25, 9	—	24	27, 10	26, 8	19, 12	20, 12	—	21	3. 55	
19	24, 6	—	20, 10	9	24, 10	29, 12	32, 8	32, 6	—	17	17, 16	17, 15	19, 8	18, 4	—	24	12. 5	
20	15, 12	16, 8	16, 12	11	14, 13	16, 16	15, 11	14, 5	—	24	12, 15	16, 15	19, 11	19, 8	—	26	12. 25	
21	18, 9	24, 7	14, 16	10	13, 12	25, 7	26, 10	—	2	26	14, 9	19, 18	18, 17	16, 17	—	28	19. 35	
22	21, 7	21, 4	21, 7	13	29, 9	29, 13	1, 7	31, 7	—	22	18, 11	18, 16	18, 10	17, 9	—	25	11. 20	
23	22, 10	23, 12	23, 12	16, 17, 18	21, 11	25, 15	23, 17	23, 17	—	28	19, 13	18, 12	19, 13	20, 13	—	27	2. 45	
24	24, 5	—	2, 19, 21, 6	9, 12, 21	23, 8	28, 8	12, 9	9, 10	—	23	17, 4	17, 7	—	—	—	18	0. 45	
25	11, 4	—	10, 16	4	12, 12	11, 14	27, 8	22, 11	—	33	16, 15	16, 18	17, 16	16, 14	—	32	11. 55	
26	12, 15	12, 11	13, 18	10	13, 20	13, 21	14, 11	13, 10	—	34	14, 15	17, 16	16, 7	18, 4	—	32	7. 50	
27	22, 10	22, 7	21, 11	10	21, 17	23, 18	23, 13	20, 13	—	23	21, 14	19, 15	20, 15	21, 12	—	24	11. 15	
28	19, 7	21, 9	20, 11	19	22, 15	23, 12	20, 24	16, 14	—	34	20, 13	18, 19	17, 21	18, 20	—	37	20. 15	
29	23, 16	22, 15	22, 23, 18	11, 12, 14	23, 27	23, 26	22, 22	22, 19	—	38	20, 18	20, 20	20, 15	21, 12	—	32	15. 20	
30	23, 11	23, 4	22, 13	10	22, 15	26, 12	—	2	—	35	20, 12	19, 15	18, 12	17, 13	—	22	11. 0	
31	22, 6	—	16, 10	9	16, 11	21, 12	26, 7	21, 11	—	24	18, 16	18, 14	18, 16	19, 10	—	28	6. 25	

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	28, 10	31, 10	28, 14	14	29, 18	32, 12	1, 15	30, 12	26, 21	2, 3	— 15	— 9	— 10	— 3	— 21	11. 45
3	19, 4	22, 6	22, 21, 8	15, 16, 17	29, 4	12, 17	15, 15	15, 8	16, 22	23	— 16	— 25	— 25	— 25	— 33	20. 0
4	22, 10	20, 8	20, 12	11	16, 15	14, 15	16, 15	13, 15	15, 29	24	— 25	— 26	— 27	— 28	— 41	15. 10
5	16, 7	17, 4	17, 10	15	13, 15	12, 10	13, 7	12, 14	15, 23	1	— 28	— *	— 28	— 25	— 39	17. 40
6	6, 10	10, 14	7, 15	23	13, 18	6, 12	8, 7	8, 16	6, 22	23	— 27	— 25	— 19	— 27	— 40	23. 55
7	8, 18	8, 13	8, 18	16	7, 29	6, 20	6, 13	7, 16	6, 34	10	— 32	— 30	— 18	— 16	— 45	12. 5
8	7, 15	7, 14	6, 17	11, 15	6, 19	7, 19	7, 18	9, 25	6, 8, 9, 25	6, 20, 21	— 27	— 35	— 15	— 18	— 51	11. 30
9	— 3	30, 4	6, 7	21, 22, 23	8, 9	5, 14	— 3	— 1	8, 22	4	— 26	— 27	— 19	— 15	— 42	13. 10
10	10, 8	8, 10	7, 8, 10	8, 10, 18	32, 7	5, 7	— 3	— 2	2, 10	19	— 19	— 15	— 1	— 4	— 29	8. 45
11	22, 7	21, 9	21, 10	17	12, 7	10, 12	14, 8	24, 4	12, 13	15	— 12	— *	— *	— *	— *	*
12	8, 4	9, 4	24, 15	6	28, 10	12, 11	— 2	25, 7	25, 16	5	— *	— *	— *	— *	— *	*
13	30, 4	2, 5	31, 8	15	24, 24	24, 23	32, 20	32, 20	24, 24	9	— *	— *	— *	— *	— *	*
14	31, 7	30, 10	32, 12	11	26, 14	3, 15	2, 19	32, 11	2, 23	19	— *	— 10	— 13	— 14	— *	*
15	24, 8	27, 10	25, 11	16	3, 7	6, 10	12, 5	16, 7	28, 15	1	— 12	— 8	— 6	— 7	— 21	9. 20
16	19, 4	28, 4	18, 7, 12	15, 24	8, 8	8, 11	8, 8	7, 12	8, 12	14	— 11	— 12	— 10	— 4	— 20	10. 30
17	6, 10	7, 10	7, 12	17	25, 4	12, 16	18, 5	24, 13	12, 16	13	— 5	— 11	— 14	— 15	— 28	23. 15
18	27, 10	23, 14	23, 24, 14	16, 17, 18	25, 11	16, 12	16, 11	20, 12	16, 16	14	— 5	— 15	— 15	— 10	— 22	14. 15
19	27, 4	22, 6	21, 22, 10	15, 16, 17	12, 10	15, 18	14, 10	15, 12	15, 19	12	— 18	— 21	— 20	— 19	— 28	23. 50
20	14, 7	18, 9	18, 11	14	12, 23	15, 18	14, 10	16, 18	12, 23	9	— 14	— 14	— 9	— 14	— 33	1. 45
21	15, 4	21, 6	17, 8	16	15, 15	13, 11	20, 5	28, 8	16, 20	4	— 5	— 12	— 9	— 11	— 20	15. 0
22	22, 9	18, 7	22, 9	13	11, 12	15, 22	11, 8	15, 10	15, 22	13	— 22	— 21	— 24	— 22	— 31	10. 0
23	24, 14	24, 10	24, 14	13	23, 18	22, 10	23, 16	24, 11	23, 20	8	— 11	— 18	— 14	— 9	— 28	15. 20
24	21, 7	21, 4	8, 10	24	12, 12	13, 14	9, 17	13, 10	9, 17	18	— 19	— 25	— 28	— 30	— 43	20. 15
25	8, 10	7, 9	9, 17	9	14, 15	16, 18	17, 16	15, 10	16, 18	13	— 26	— 27	— 25	— 14	— 49	14. 55
26	14, 9	11, 12	11, 12	17, 18	21, 7	11, 7	— 3	23, 15	15, 23	18	— 24	— 28	— 20	— 15	— 49	14. 40
27	20, 12	20, 10	20, 13	15	21, 14	21, 21	23, 19	21, 18	22, 24	17	— 12	— 1	— 19	— 4	— 27	17. 30
28	19, 11	18, 14	18, 14	18	21, 13	16, 14	18, 17	21, 21	22, 23	22	— 11	— 21	— 13	— 9	— 30	14. 55
29	23, 16	23, 17	23, 24	16	21, 18	22, 18	21, 15	21, 9	21, 23	14	— 15	— 20	— 12	— 6	— 27	12. 40
30	23, 18	22, 8	23, 18	13	22, 12	12, 11	15, 15	12, 9	15, 15	18	— 4	— 11	— 8	— 14	— 18	14. 55
31	20, 10	21, 8	16, 20, 10	2, 13	17, 8	15, 12	22, 14	28, 12	21, 20	17	— 11	— 10	— 23	— 25	— 35	20. 35

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.

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

DEERNES, ORKNEY, a.b.—JUNE 1909.

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
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TILLYPRONIE, ABERDEENSHIRE.—JUNE 1909.

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.	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.	28.69	28.82	48.3	45.0	55.6	40.0	2.7	2.5	.274	.243	82	82	N	†	1	8	6	ins.	hrs.	°	∞. Sun and heavy clouds.	
2	.89	.96	48.2	44.0	55.3	40.0	3.4	1.9	.257	.246	77	85	NE	6	N	1	9	4	—	—	—	38	37	Sunny but cold.
3	.97	.89	49.5	52.0	61.6	37.5	1.5	2.5	.315	.323	89	83	SW	5	NW	4	8	9	—	—	—	34	34	Sunny.
4	.78	.74	52.0	42.8	58.0	41.5	2.5	1.8	.323	.236	83	86	NW	4	NE	2	9	9	.02	—	—	39	39	Dull.
5	.68	.68	42.0	41.6	49.0	35.0	3.2	3.3	.204	.198	77	76	NE	2	NE	2	9	8	—	—	—	33	33	Dull.
6	.73	.80	45.1	45.2	55.2	36.2	2.6	2.2	.242	.251	81	84	NE	2	NE	2	8	0	—	—	—	33	33	Dull.
7	.79	.77	54.5	51.0	65.8	38.2	6.7	3.0	.259	.299	61	80	NW	2	NW	4	4	6	—	—	—	33	33	Sunny.
8	.77	.83	55.1	49.2	66.0	45.2	5.6	3.2	.290	.274	67	78	W	6	W	3	4	6	—	—	—	42	42	Strong wind and sunshine.
9	.84	.86	49.0	49.0	58.8	43.0	3.5	2.2	.266	.294	76	85	NW	1	N	3	8	5	—	—	—	38	38	Dull.
10	.87	.84	47.8	41.0	54.2	39.2	4.5	0.8	.232	.239	70	94	N	5	N	2	7	8	.16	—	—	34	34	Cold wind. Dull.
11	.85	.87	40.0	47.5	50.5	38.2	1.0	6.5	.226	.193	92	59	N	3	N	1	8	7	—	—	—	33	33	Dull.
12	.87	28.90	47.5	43.0	55.5	39.5	3.7	1.2	.244	.251	75	90	N	2	NE	1	9	0	—	—	—	36	36	Dull.
13	28.94	29.00	54.8	45.2	67.5	36.8	4.8	1.4	.304	.269	71	90	NW	3	NW	2	8	2	—	—	—	33	33	Sunshine, with ∞.
14	29.04	.11	55.0	47.2	64.2	43.2	5.5	1.7	.291	.285	68	89	N	2	N	3	2	0	—	—	—	39	39	Clear and sunshine.
15	.10	.06	43.2	44.5	61.1	38.2	1.2	1.5	.253	.259	90	88	N	1	E	1	10	2	—	—	—	34	34	≡
16	.02	.02	54.9	56.0	63.9	40.5	3.1	5.0	.347	.317	80	70	E	2	E	1	1	8	.11	—	—	35	35	Sunshine, with ∞.
17	29.07	29.05	51.0	46.0	61.0	45.2	4.2	1.2	.272	.283	73	92	NW	3	E	3	5	2	—	—	—	42	42	Dull.
18	28.96	28.95	53.3	52.0	62.2	44.5	3.2	1.5	.321	.348	79	90	NW	5	NW	1	9	8	.05	—	—	39	39	Dull.
19	.86	.76	55.6	46.2	58.2	44.5	2.4	0.7	.375	.297	84	96	NW	3	N	1	9	9	.18	—	—	41	41	Dull. ∞
20	.53	.45	53.5	46.0	66.0	44.2	3.5	2.2	.316	.261	77	85	SE	3	SE	1	6	3	.09	—	—	40	40	Sunshine, with ∞.
21	.40	.37	51.9	49.8	60.6	43.0	3.1	0.8	.308	.337	80	94	W	2	SE	3	9	8	.30	—	—	39	39	Dull. ∞
22	.23	.14	50.3	49.8	52.0	47.8	0.3	0.8	.357	.337	98	94	E	2	NE	4	10	10	.36	—	—	46	46	≡. Dull.
23	.21	.38	49.8	48.0	51.2	42.6	1.8	0.5	.312	.322	87	97	E	5	E	1	8	6	.01	—	—	40	40	Dull. ∞
24	.55	.63	50.2	48.2	54.8	46.5	1.2	1.4	.332	.302	92	91	E	1	N	2	8	8	.07	—	—	43	43	Dull.
25	.71	.74	45.2	44.0	51.0	43.0	0.4	1.2	.292	.261	97	90	N	1	N	2	9	8	—	—	—	41	41	Dull. ≡
26	.73	.74	47.0	46.2	52.3	43.8	2.0	3.0	.275	.246	86	79	N	2	N	1	9	9	.01	—	—	42	42	≡. Dull.
27	.81	.80	47.9	48.0	51.5	43.2	0.4	0.8	.323	.314	98	94	N	1	N	2	10	9	.09	—	—	41	41	Sunshine, with ∞.
28	.82	.81	52.5	51.2	62.1	45.5	3.6	0.7	.303	.358	76	96	E	1	E	1	7	9	—	—	—	43	43	Cheerless day.
29	.79	.83	48.1	45.0	52.5	44.0	1.2	0.5	.306	.287	91	96	E	1	E	2	9	9	.02	—	—	41	41	Cheerless day.
30	28.88	28.96	45.0	44.5	52.5	41.2	2.0	0.7	.253	.277	85	94	NE	3	N	6	9	6	—	—	—	38	38	
M.	28.779	28.792	49.6	47.0	57.7	41.7	2.8	1.9	.289	.280	81	87	2.8	2.1	7.6	6.1	1.49	—	38.2					

LAUDALE, ARGYLESHIRE, a.—JUNE 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +0.31 in.

1	29.92	30.01	54.5	50.0	60.5	45.9	3.5	1.7	329	317	77	88	NW	4	N	2	7	4	—	—	—	Very fine, but cold.	
2	30.11	20	57.2	48.1	59.2	44.5	5.2	2.1	325	284	69	85	NW	1	N	1	6	3	—	—	—	Very fine, but cold.	
3	20	30.13	54.0	52.2	59.2	43.0	3.5	0.7	322	372	77	96	N	1	N	1	10	10	02	—	—	Dull and overcast.	
4	30.01	29.87	54.7	53.7	60.2	48.0	2.2	3.2	366	327	86	79	N	4	N	4	10	10	—	—	—	Cloudy and misty.	
5	29.81	29.77	53.9	50.7	59.2	47.3	5.0	0.7	288	352	69	95	S	4	Calm	0	8	10	12	—	—	Dull day.	
6	29.96	30.02	55.2	52.5	61.2	42.3	5.5	5.0	294	272	68	69	N	3	N	3	6	3	—	—	—	Fine day.	
7	30.05	05	52.5	51.0	57.5	39.9	3.0	1.5	317	336	80	90	N	4	N	4	10	10	02	—	—	Fine day. Misty p.	
8	06	08	53.5	51.7	55.5	49.0	2.3	1.7	345	339	84	88	N	4	N	4	10	10	—	—	—	Dull and misty.	
9	09	12	53.0	50.2	55.9	48.0	2.1	1.2	345	332	85	92	N	5	N	2	10	7	—	—	—	Thick mist.	
10	14	09	52.5	47.5	59.0	42.6	4.0	3.0	294	259	74	80	N	4	N	6	5	2	—	—	—	Very fine.	
11	08	08	50.9	51.0	58.9	47.0	5.4	3.7	247	283	66	76	N	1	N	1	8	6	—	—	—	Very fine.	
12	06	11	54.9	48.2	58.3	43.5	5.0	1.0	301	312	70	93	Calm	0	Calm	0	10	1	—	—	—	Very fine.	
13	14	22	58.9	50.5	64.5	37.8	4.0	0.8	378	347	76	94	Calm	0	N	1	5	0	—	—	—	Very fine.	
14	26	29	60.2	55.3	64.5	42.5	4.3	3.3	390	346	75	79	N	4	N	1	3	3	—	—	—	Very fine.	
15	29	24	57.2	53.3	61.5	43.0	2.7	2.3	389	343	83	84	N	2	Calm	0	8	10	—	—	—	Very fine. Thick mist p.	
16	24	28	53.3	54.5	61.5	50.5	1.4	2.2	367	362	90	85	N	2	N	1	10	7	03	—	—	Dull till noon, then fine.	
17	33	32	55.0	53.0	57.9	48.5	3.8	2.8	330	327	76	81	N	4	W	4	9	10	25	—	—	Dull day.	
18	22	30.17	54.5	54.2	56.9	49.0	1.0	0.2	396	415	94	99	W	5	W	1	10	10	23	—	—	Dull and misty.	
19	30.09	29.88	55.0	56.3	60.1	46.9	3.5	2.3	337	387	78	85	NW	5	W	4	8	10	20	—	—	Dull and misty.	
20	29.66	58	52.2	51.2	59.9	48.2	1.2	2.3	358	319	92	84	W	4	W	1	10	7	14	—	—	showers.	
21	52	44	57.5	52.3	62.2	43.0	6.0	1.1	312	362	66	92	SW	3	SW	2	7	10	72	—	—	Dull and misty.	
22	39	23	58.2	56.2	64.7	50.0	3.2	2.2	390	388	80	86	SE	4	S	4	10	10	06	—	—	Dull and misty.	
23	27	49	51.2	53.1	59.7	50.0	2.2	2.0	320	349	85	86	E	5	Calm	0	10	10	—	—	—	Dull day.	
24	63	70	59.1	53.9	63.2	45.0	4.1	3.9	379	311	75	75	Calm	0	S	5	10	4	—	—	—	Fine. T afternoon.	
25	91	95	53.9	49.5	57.2	45.0	2.0	2.3	359	297	87	84	N	4	N	4	10	7	03	—	—	Dull and cold.	
26	93	94	51.5	54.3	62.2	45.0	3.0	2.8	305	344	80	81	N	2	N	1	9	10	—	—	—	Dull and cold.	
27	94	93	59.9	56.3	65.2	47.0	7.9	3.3	300	361	58	79	SE	4	SE	4	7	10	17	—	—	showers.	
28	95	95	62.2	55.3	67.7	48.0	5.3	2.3	394	372	71	85	S	3	Calm	0	7	3	—	—	—	Very fine.	
29	29.96	29.99	60.7	55.2	69.2	44.2	4.0	3.3	407	345	77	79	Calm	0	S	5	7	3	—	—	—	Very fine.	
30	30.04	30.12	61.1	55.1	69.5	48.2	8.6	6.6	299	269	56	63	SE	5	SE	5	0	0	—	—	—	Very fine.	
M.	29.974	29.974	55.6	52.5	61.1	45.8	3.8	2.4	339	334	77	84	3.0	2.4	8.0	6.7	1.99	—	—	—	—	—	

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—JUNE 1909.

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.

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.	ins.		hrs.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SE	†	SE	†	10	10	ins.	—	—	Dull and cloudy.	
1	29.74	29.85	51.7	48.9	55.2	46.4	2.2	1.5	.327	.309	86	90	SE	1	SE	1	10	10	—	—	—	Cloud and sunshine.	
2	29.95	30.03	54.0	48.9	57.7	47.0	3.0	1.9	.334	.299	80	87	NE	1	SE	1	5	10	10	—	—	Fine a. Dull p.	
3	30.02	29.93	55.6	55.2	67.6	42.4	3.6	2.2	.344	.373	77	86	SW	1	SE	1	5	10	—	—	—	Dull and cloudy.	
4	29.82	75	56.8	45.3	57.7	44.8	2.8	1.3	.380	.272	82	90	SE	1	SE	3	10	10	—	—	—	Cloud and sunshine.	
5	72	77	47.6	45.0	53.2	41.7	3.6	2.0	.247	.253	75	85	NE	1	NE	1	5	10	—	—	—	Fine to 8a. ☉ shower 1p.	
6	80	89	51.8	45.5	53.9	40.0	4.0	1.3	.286	.275	75	91	NE	1	S	1	10	7	05	—	—	Fine a. Cloudy p.	
7	86	82	56.0	53.6	70.2	38.7	3.8	1.4	.345	.372	72	75	W	3	NW	1	5	0	—	—	—	Fine.	
8	83	84	57.7	54.5	67.9	48.9	4.7	4.0	.345	.318	72	75	NW	1	SE	1	10	5	—	—	—	Cloudy, then fine.	
9	89	94	57.5	47.5	63.9	45.7	5.0	1.3	.334	.296	71	90	NW	3	N	1	5	10	—	—	—	Cloud and sunshine.	
10	94	90	53.7	45.5	59.0	43.7	4.2	2.5	.303	.248	73	82	NW	3	NE	1	10	10	—	—	—	Dull and cloudy.	
11	90	93	49.9	47.9	54.0	42.4	7.7	3.1	.195	.262	54	80	NE	3	NE	1	0	0	—	—	—	Dull to 1p., then fine.	
12	29.93	29.90	51.7	44.5	58.7	44.0	4.9	1.3	.266	.264	70	90	SE	3	NE	1	0	0	—	—	—	Fine.	
13	30.01	30.06	57.2	48.0	59.0	38.9	6.0	1.2	.307	.304	65	92	SE	3	NE	1	5	0	—	—	—	Fine. ∞ after 8.30p.	
14	09	18	59.0	47.5	63.6	41.0	5.0	1.0	.354	.304	71	93	S	1	SE	1	10	5	—	—	—	Dull. ∞ from 8.30p.	
15	19	13	48.2	45.2	57.2	42.5	1.6	0.7	.297	.285	89	95	SE	1	SE	1	10	10	—	—	—	Dull. ∞ p.	
16	09	07	51.7	50.7	61.7	42.4	2.3	0.9	.324	.348	85	94	SE	1	SE	1	10	5	—	—	—	Dull a. Fine p. ∞	
17	14	30.13	59.7	53.0	65.6	48.8	2.2	2.5	.386	.335	75	83	SW	1	NW	1	5	10	—	—	—	Dull and cloudy.	
18	30.04	29.98	54.7	57.8	64.0	49.0	2.0	3.0	.372	.391	87	82	W	1	SW	1	10	10	—	—	—	Cloudy to noon. Dull.	
19	29.90	.81	62.2	52.0	71.2	51.6	3.7	1.5	.439	.348	79	90	SW	1	SE	1	5	5	21	—	—	Dull and cloudy. ☉ showers	
20	.58	.48	56.7	54.4	65.5	49.5	3.2	2.4	.368	.356	80	84	SW	1	SE	3	10	10	32	—	—	Dull and cloudy. ☉ showers	
21	.41	.33	57.9	52.7	62.0	48.7	2.9	0.2	.394	.393	82	99	SE	1	SE	3	10	100	05	—	—	☉ till 6.30a. Dull.	
22	19	.07	52.5	52.0	54.7	50.2	0.0	0.4	.396	.377	100	97	SE	3	NE	1	5	5	03	—	—	Dull, then fine.	
23	.21	.38	56.7	49.0	58.2	45.2	3.2	0.8	.368	.327	80	94	SE	1	NE	1	5	5	—	—	—	Fine.	
24	.49	.62	53.6	49.8	61.0	48.2	2.1	1.4	.353	.322	86	90	NE	3	NE	1	10	10	—	—	—	Cloudy.	
25	.72	.77	54.6	48.5	56.6	48.0	2.9	2.0	.322	.292	76	86	N	3	NE	1	10	10	—	—	—	Dull and cloudy.	
26	.76	.78	51.2	50.5	56.4	45.9	2.7	0.8	.309	.347	82	94	N	3	NE	1	10	10	—	—	—	Cloud and sunshine.	
27	.78	.80	53.7	52.5	62.5	49.0	1.1	0.2	.387	.340	86	99	SE	2	E	1	10	10	—	—	—	Dull, with ☉.	
28	.86	.86	53.7	48.7	60.9	48.2	2.6	2.5	.358	.326	89	83	SE	1	NE	3	10	10	—	—	—	Dull and cloudy.	
29	.83	.82	53.0	52.2	57.4	47.4	3.4	3.2	.390	.286	80	78	NE	1	NE	1	7	5	—	—	—	Fine.	
30	29.89	29.97	58.2	50.5	63.0	42.0																	
M.	29.819	29.828	54.7	49.9	60.7	45.4	3.4	1.7	.340	.319	79	89		1.6		1.3	7.9	7.1	0.83	—	—		

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JUNE 1909.

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.										
1	ins.	ins.	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	ins.	hrs.	°		Dull and cloudy.	
2	29.54	29.64	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	1.6	44		Breezy.	
3	29.74	29.84	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	36		Fine.	
4	29.88	29.98	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	35		Cloudy.	
5	29.98	30.08	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
6	30.08	30.18	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
7	30.18	30.28	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
8	30.28	30.38	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
9	30.38	30.48	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
10	30.48	30.58	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
11	30.58	31.08	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
12	31.08	31.18	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
13	31.18	31.28	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
14	31.28	31.38	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
15	31.38	31.48	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
16	31.48	31.58	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
17	31.58	32.08	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
18	32.08	32.18	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
19	32.18	32.28	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
20	32.28	32.38	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
21	32.38	32.48	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
22	32.48	32.58	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
23	32.58	32.68	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
24	32.68	32.78	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
25	32.78	32.88	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
26	32.88	32.98	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
27	32.98	33.08	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
28	33.08	33.18	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
29	33.18	33.28	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
30	33.28	33.38	48.5	47.0	54.0	46.0	0.5	1.0	328	298	96	93	NE	2	NE	1	10	3	—	9.0	39		Cloudy.	
M.	29.626	29.640	52.7	48.5	58.7	43.7	2.9	1.3	326	309	82	91	2.4	1.8	7.6	6.4	2.26	131	42.0					

DOUGLAS, ISLE OF MAN, a.—JUNE 1909.

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	29.63	29.65	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	14.4	34	Fine day.
2	29.81	29.83	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	12.69	41	Fine till 5p.
3	29.92	29.94	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.1	40	Gloomy 1.30p.-6p.
4	29.97	29.99	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	6.5	39	Cloudy day.
5	30.03	30.05	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	—	44	● showers. ≡ 5p.
6	30.08	30.10	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	12.2	41	Very fine.
7	30.13	30.15	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	15.0	39	Very fine.
8	30.18	30.20	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	8.4	40	Fine day.
9	30.23	30.25	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	4.6	42	Cloudy day.
10	30.28	30.30	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	3.8	42	Cloudy day.
11	30.33	30.35	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	5.8	42	Cloudy day.
12	30.38	30.40	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	7.6	39	Fine.
13	30.43	30.45	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	14.3	38	Very fine.
14	30.48	30.50	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	15.7	38	— Very fine.
15	30.53	30.55	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.4	43	Fine till 6p., then dull.
16	30.58	31.00	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	9.1	42	Dull till 10.30a., then fine.
17	31.03	31.05	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	—	41	Fine day.
18	31.08	31.10	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.4	43	Gloomy, with ● showers.
19	31.13	31.15	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.4	43	Dull, with ● showers p.
20	31.18	31.20	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.9	27	≡ noon. ● showers.
21	31.23	31.25	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.9	27	● showers. ● 4p.
22	31.28	31.30	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	11.3	—	Dull, with ● showers. T 3p.
23	31.33	31.35	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	11.3	—	Cloudy day.
24	31.38	31.40	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	11.0	43	Fine day.
25	31.43	31.45	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	13.7	79	Cloudy. Gloomy after 6p.
26	31.48	31.50	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	21.6	44	Overcast 10.30a.-2.30p.
27	31.53	31.55	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	—	42	Cloudy day.
28	31.58	32.00	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	8.3	44	Cloudy a. and p. T
29	32.03	32.05	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.5	46	Fine day.
30	32.08	32.10	51.8	50.0	52.7	46.2	4.6	2.0	273	309	71	86	NW	2-3	N	4-5	3	4	—	10.3	45	Cloudy a. Fine day.
M.	29.693	29.691	53.8	51.1	58.8	47.6	3.6	2.3	323	318	78	85	2.5	2.1	7.0	6.1	1.798	228	42.2			

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—JUNE 1909.

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. hrs.	Temp. on Grass.
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SHREWSBURY, SHROPSHIRE.—JUNE 1909.

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.	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.	52.0	52.0	60.8	50.9	2.7	3.0	318	310	82	80	N	†	2	10	10	ins.	hrs.	Cloudy day. ● from 9.30p.	
2	29.70	29.70	52.0	52.0	60.8	50.9	2.7	3.0	312	286	77	80	NE	3	NE	1	9	7	—	46	Cloudy day.
3	82	93	53.1	50.0	57.0	45.5	3.5	3.0	312	286	77	80	NE	3-4	NE	1	10	7	—	40	Dull day.
4	96	85	54.0	49.1	58.0	41.0	4.0	4.1	265	254	74	72	NE	3-4	ENE	2	10	10	—	36	Fine day.
5	66	60	54.0	52.1	63.0	40.1	6.5	2.1	258	334	62	85	NE	3-4	ENE	1	4	10	—	50	Overcast, with ●. T
6	59	57	53.7	48.5	55.0	48.3	2.7	0.0	338	342	82	100	NW	1	SE	1	10●	10	—	44	Dull day.
7	68	77	54.0	48.0	54.0	41.8	2.1	2.0	263	285	85	86	NE	1-2	SE	1	10	10	—	44	Fine day.
8	85	87	53.0	49.0	63.3	36.0	5.4	3.0	269	276	67	79	W	1	WNW	1	6	0	—	35	Dull day.
9	90	90	52.9	53.2	60.0	38.4	3.9	3.7	300	309	75	76	W	3	NW	2	10	9	—	50	Dull day.
10	92	89	54.0	52.1	60.7	50.4	4.1	3.9	308	291	74	74	NW	3-4	NW	3	9	9	—	49	● 8a.-o. 30p. ● showers p.
11	86	80	49.8	47.8	55.0	47.2	0.5	0.8	345	312	96	94	NE	1-2	NW	1	10●	10	—	45	Dull and cold.
12	77	80	50.7	49.0	54.1	43.3	4.5	2.8	262	280	71	80	NNW	2-3	NNW	2	9	10	—	42	Cloudy day.
13	29.95	30.00	55.9	55.0	68.0	39.8	4.9	5.0	318	302	70	70	NW	1	NW	1	1	7	—	38	Fine day.
14	30.05	07	59.5	55.0	70.0	40.2	7.5	3.0	303	349	59	81	NW	2	NNW	1	0	0	—	37	Fine bright day.
15	07	00	53.9	53.9	64.7	41.4	2.9	2.0	335	347	81	86	NNE	1	SE	1	7	9	—	40	≡ ² early a. Cloudy day.
16	01	06	54.9	55.9	65.9	41.6	4.0	3.0	325	364	75	81	SE	1	NNE	1	10	10	—	39	Cloudy day.
17	10	16	61.0	53.2	63.6	47.7	7.0	6.0	334	259	62	64	NNW	4-5	NW	2	3	3	—	45	Bright day, with cool breeze.
18	30.16	30.11	60.0	57.0	69.0	42.9	3.0	3.7	423	359	82	77	NW	2	WNW	1	5	7	—	40	Bright day.
19	29.99	29.89	60.0	59.0	71.6	55.6	2.4	2.4	441	424	86	86	W	2	WSW	2	10	8	—	54	Cloudy a., then bright.
20	73	57	62.0	56.6	68.0	55.8	5.0	4.0	399	347	72	76	SW	2-3	SW	3	6	7	—	53	Dull day.
21	44	25	59.0	57.0	63.0	53.0	4.0	3.3	380	369	76	79	SSW	2	SSW	2	8	9	—	51	Dull day.
22	11	14	54.0	47.8	58.3	47.2	1.1	0.5	385	320	92	96	SSW	2	SSW	1	9●	7	—	49	● most of day. T 4p. K 6p.
23	19	21	57.6	51.0	64.3	44.2	4.9	1.0	339	348	72	93	SSW	3	SSE	1	6	9	—	41	Dull day.
24	23	41	54.0	51.0	60.8	48.0	1.7	0.8	368	353	88	94	NNW	3	NW	2	9●	10●	—	47	K 2p. T 4p. ● all afternoon
25	55	67	51.6	51.0	54.5	49.0	1.6	2.5	340	311	89	83	NNW	3	NW	2	10	10	—	49	● most of day.
26	69	70	51.0	50.5	55.5	45.1	4.0	2.5	276	304	74	83	WNW	1-2	NW	2-3	10	10	—	42	Dull a. ● afternoon.
27	66	69	55.0	50.8	60.3	43.2	5.4	1.8	299	325	68	87	NW	3-4	WSW	2	9	4	—	42	● showers. Fine evening.
28	74	72	55.9	52.2	69.0	47.7	3.8	1.2	344	358	77	92	WSW	2	SW	1	8	8	—	46	Fine a. ● noon and 4p.
29	72	75	59.0	54.0	67.0	49.0	5.1	0.5	352	403	71	97	NW	1	Calm	0	5	10	—	49	● noon and all evening.
30	29.79	29.86	54.7	54.5	66.9	46.8	2.7	2.6	352	350	82	82	WNW	2	NW	1	10	4	—	45	Dull a., then bright.
M.	29.757	29.760	54.7	52.2	62.1	45.5	3.9	2.7	327	325	76	83	2.3	1.5	7.6	7.9	2.90	—	44.6		

CAMBRIDGE, a.—JUNE 1909.

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	29.81	29.83	61.0	51.6	61.3	51.0	3.2	0.1	433	380	81	100	NNW	4	N	4	9	100	0.69	0.2	41	Overcast, with ☉.	
2	29.91	30.07	50.0	49.0	53.0	48.5	1.0	2.2	334	294	93	85	NW	4	N	4	100	9	0.07	—	47	☉ till noon. Overcast day.	
3	30.09	29.97	52.3	48.0	57.0	46.0	4.6	3.0	278	263	71	79	N	5	NNE	5	9	9	0.07	4.3	42	Sunny a., then overcast.	
4	29.78	7.5	47.0	48.5	49.8	46.0	1.1	0.3	296	334	92	97	N	4	N	3	100	0.53	—	40	☉ all day.		
5	7.2	7.9	52.0	48.0	55.0	44.5	0.9	2.4	364	276	94	83	NW	2	N	2	10	10	0.03	—	39	☉ a. Overcast day.	
6	29.85	29.95	49.0	49.2	53.0	43.9	3.1	0.5	274	337	78	97	S	1	Calmo	0	10	10	0.04	—	42	Overcast day.	
7	30.02	30.02	53.0	47.0	61.0	43.0	4.9	1.0	279	298	70	93	NW	1	SE	1	8	5	—	10.5	35	Fine and sunny.	
8	0.2	0.3	56.5	50.8	64.0	40.5	4.5	1.9	333	324	72	87	W	2	W	1	0	9	—	12.2	30	Fine and sunny.	
9	0.4	30.01	56.3	56.9	64.0	48.0	3.3	3.7	361	357	79	77	W	3	N	4	10	100	—	1.7	42	Overcast till 4p.	
10	30.00	29.95	52.2	47.0	57.0	47.0	3.0	2.2	313	271	80	85	N	4	NW	1	10	4	0.02	17	49	Overcast till 5p.	
11	29.88	29.93	52.7	48.6	54.0	40.0	5.7	3.3	260	265	65	77	N	4-5	N	4	7	∞	10	12	6.2	30	Sunny till noon. ☉ 1.30p.
12	29.93	30.03	50.0	50.0	54.0	43.0	0.5	3.0	348	286	97	80	NW	4	NW	5-6	10	9	0.01	1.0	35	☉ 7a.-8a. Cloudy day.	
13	30.11	1.6	52.6	54.5	64.9	45.0	4.1	3.4	293	332	74	78	NW	4	N	4	9	2	—	7.3	44	Fine and sunny.	
14	2.2	2.6	56.4	52.5	63.0	42.0	5.1	3.0	319	317	70	80	NW	1	N	1	8	3	—	10.5	35	Fine and sunny.	
15	2.5	1.8	52.0	51.8	59.8	44.0	4.5	0.8	277	364	72	94	W	2	N	2	9	10	—	2.2	37	Overcast till 3.30p.	
16	1.7	2.2	52.5	53.1	62.2	48.9	1.5	2.0	354	349	89	86	NW	3	N	4	100	10	—	2.9	45	Cloudy day.	
17	2.6	2.7	53.9	58.8	69.9	48.1	3.9	2.7	311	413	75	84	NE	1	NE	2	6	∞	10	—	6.5	48	Sunny 9a.-3p.
18	3.2	2.7	53.8	55.0	68.1	51.2	1.9	1.8	361	381	87	88	NW	3	Calmo	0	10	2	—	5.5	45	Sunny 10a.-4p.	
19	30.21	30.07	61.2	61.2	67.9	49.3	3.9	2.4	417	462	78	86	SW	1	SW	2	9	8	—	0.5	42	Overcast till 3p.	
20	29.86	29.84	61.0	59.0	70.0	56.2	3.7	3.0	419	407	79	82	SW	5	SW	4	9	0	100	—	5.4	52	Sunny morning. T 5p.
21	7.0	4.6	60.6	59.1	69.0	54.9	4.1	2.2	402	432	77	86	SSE	4-5	SSE	1	9	9	0.02	3.5	50	Cloudy day. ☉ 2p.	
22	2.8	4.1	58.0	52.0	63.2	51.9	2.5	4.0	407	287	34	74	S	5	S	4	10	6	17	6.0	49	☉ 10a.-noon. Sunny 2p.-7p.	
23	4.6	4.6	58.5	53.0	64.0	47.0	6.4	3.0	315	322	64	80	SE	6	SSE	2	8	8	22	9.1	40	Sunny till 1.30p.	
24	3.4	4.2	50.9	52.0	60.7	50.0	0.9	1.0	349	361	94	93	E	2-3	WNW	5	100	10	4.2	3.5	44	☉ 8.30a.-10.30a. T 11a.	
25	5.6	7.1	54.0	51.0	56.1	50.0	0.9	1.0	391	348	94	93	NW	3	NNW	6	100	100	0.60	0.1	48	☉ till 1p. K noon-1p.	
26	7.9	8.5	50.1	53.9	59.9	48.0	1.6	2.9	321	335	89	81	W	4-5	N	2	10	9	—	2.5	46	Overcast till 2p.	
27	8.4	8.9	55.9	53.0	62.8	43.0	4.2	2.0	335	347	74	86	SW	2	Calmo	0	9	9	—	3.0	35	Cloudy day. T 2p.-4p.	
28	9.3	9.1	60.9	55.0	68.0	45.4	5.6	2.0	397	375	69	87	W	2	ENE	1	8	10	—	7.0	37	Sunny till 2p. K 4p.	
29	8.5	29.90	58.2	54.3	65.0	46.0	4.2	1.5	364	379	75	90	N	3	N	7	8	8	12	8.0	41	☉ 2p.-3p. T	
30	29.92	30.02	56.0	51.4	57.8	49.0	4.0	3.6	340	290	75	77	NW	4	NW	4	10	7	—	0.9	41	Overcast most of day.	
M.	29.908	29.921	54.6	52.5	61.2	47.0	3.3	2.2	341	340	80	86	3.2	2.8	8.8	8.2	3.13	122	41.7	—	—	—	—

† Beaufort Scale (0-12).

SOUTHAMPTON, HAMPSHIRE, a.—JUNE 1909.

Height above Mean Sea Level, 64 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.

Long. $1^{\circ} 24' \text{ W.}$ Lat. $50^{\circ} 55' \text{ N.}$ Gravity Correction, $+0.16 \text{ in.}$

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.	
	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.	56.1	54.8	59.4	54.5	0.9	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	51	● most of day.
2	86	79.76	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	49	● till noon.
3	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	46	Cool wind. ● 5p.-8p.
4	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	44	● 2.30a.-3.30p.
5	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	47	Fine. ● from 10.30p.
6	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	50	T noon. ● noon-5p.
7	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	45	● till 7a. ☐ p.
8	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	34	Fine and sunny.
9	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	22	Fine.
10	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	13	Dull. ● 7 p.
11	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	38	● 9a.-11a. Dull.
12	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	42	Sunny intervals.
13	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	42	Fine and sunny.
14	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	47	☐ shower 4.15p.
15	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	46	Fine. ☐ p.
16	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	44	Fine.
17	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	44	Fine.
18	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	46	Fine and warm.
19	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	48	Fine a. Cloudy p.
20	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	53	Fine, but cloudy.
21	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	55	Cloudy a. Fine p.
22	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	51	● till 6.15 a.
23	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	49	● showers a.
24	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	51	● showers.
25	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	46	● showers 11a.-2p. ● till 6p.
26	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	48	Fine a. ☐ 2p. ● p.
27	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	46	● till 4a. and 11a.
28	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	52	Gloomy 11a.-2p. ● 1p.-2p.
29	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	49	● showers.
30	96	87	56.1	54.8	59.4	54.5	0.8	0.7	424	410	93	95	NE	†	NE	†	3	100	100	1.530	—	43	Fine a. ☐ p.
M.	29.888	29.893	55.9	54.1	61.9	48.8	3.6	2.1	351	362	79	86	2.6	2.7	6.8	6.8	5.450	112	46.0				

PLYMOUTH, DEVONSHIRE, a.—JUNE 1909.

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	79	29	77	58	54	61	54	54	3	2	388	348	79	83	N	E	11	N	E	11	9	9	—	—	51	Fine.		
2	86	94	56	53	59	52	4	6	0	6	388	412	72	100	N	E	12	N	E	18	10	10	13	0	50	Dull.			
3	91	80	49	49	53	46	0	5	2	4	335	293	97	84	N	E	21	N	E	16	10	10	121	—	45	Dull, with e.			
4	64	66	48	50	50	6	2	6	1	7	272	326	82	88	N	—	4	N	E	10	10	10	18	—	44	Overcast.			
5	71	76	58	53	59	48	5	6	1	5	335	373	68	90	N	E	9	N	E	4	4	8	10	57	42	Fine a., then overcast.			
6	76	29	79	58	53	59	4	0	1	4	439	394	91	96	S	—	5	S	W	5	7	9	30	12	43	Dull, with e showers.			
7	29	89	30	01	55	53	61	2	0	0	375	386	87	96	E	—	12	—	—	0	10	10	—	78	48	Fine.			
8	30	04	06	00	54	3	6	2	4	3	447	318	86	75	—	2	N	W	4	1	0	0	—	14	37	Fine.			
9	30	07	30	02	55	52	60	2	4	9	0	317	380	71	96	N	—	4	N	W	10	10	0	—	2	43	Dull.		
10	29	96	29	89	57	55	60	1	5	1	328	425	69	96	N	—	10	N	—	5	8	10	—	6	47	Sunny intervals.			
11	86	29	92	56	51	56	58	2	0	1	449	345	100	90	N	—	6	N	—	5	8	10	08	3	40	Dull, with e showers.			
12	29	94	30	04	55	54	3	7	3	1	359	402	81	95	N	—	8	N	W	8	6	0	—	8	40	Fine.			
13	30	19	19	57	60	62	6	4	1	9	3	418	406	87	78	—	3	N	W	6	3	0	—	9	7	40	Fine. ∞		
14	18	21	65	55	3	7	6	2	0	2	635	367	100	84	N	W	4	—	0	2	2	0	—	14	3	39	Fine.		
15	14	09	61	54	1	6	6	0	5	7	1	366	387	69	92	N	—	2	—	3	2	0	0	01	8	38	Fine.		
16	11	18	63	55	2	6	5	8	4	7	2	423	323	74	74	N	—	5	N	—	20	3	0	—	12	6	42	Fine.	
17	22	26	62	58	7	2	6	1	9	6	7	257	296	64	61	N	—	12	N	—	15	0	0	—	10	4	48	Fine.	
18	32	31	60	55	4	6	2	5	3	6	338	304	64	69	N	—	9	—	3	3	0	0	—	11	8	44	Fine and warm.		
19	30	22	30	18	58	3	4	3	0	1	4	444	399	90	95	S	W	7	S	—	9	10	10	02	0	42	Dull, with e.		
20	29	97	29	82	57	55	60	0	9	1	0	446	435	93	100	S	W	14	S	W	9	10	10	0	27	48	Dull, with e showers.		
21	55	39	54	55	5	6	2	4	0	0	3	427	424	100	98	S	—	18	—	3	10	10	28	—	53	Dull.			
22	25	31	55	54	55	0	1	7	5	3	4	339	318	77	74	S	—	18	S	W	14	7	6	13	6	45	Dull, with e showers.		
23	33	31	56	54	62	5	0	7	2	3	1	383	375	85	89	S	—	18	S	—	4	5	10	30	6	48	e showers a.		
24	35	59	56	56	3	1	3	5	2	6	1	358	404	79	89	N	W	16	N	W	7	7	8	—	6	49			
25	69	82	60	57	6	6	0	5	7	3	9	398	437	77	93	N	—	9	N	—	8	6	6	04	9	43	Fine.		
26	84	84	55	5	6	1	4	4	0	2	1	407	390	93	86	N	—	7	—	3	9	6	—	2	2	41	Fine.		
27	83	81	56	58	6	7	5	1	8	4	2	331	414	73	83	S	W	1	—	2	4	4	—	6	7	51	Fine and breezy.		
28	87	87	58	52	6	4	1	4	3	8	3	375	335	78	84	S	E	4	—	3	7	9	—	9	4	41	Fine.		
29	81	81	60	4	5	9	6	0	7	0	5	360	344	68	69	N	—	8	N	W	5	2	2	—	13	4	42	Fine.	
30	29	92	29	97	61	58	6	9	4	3	3	381	372	70	77	—	—	3	N	—	5	0	0	—	12	9	44	Fine.	
M.	29	874	29	888	57	6	54	9	62	9	49	2	385	371	81	86	—	—	—	7	6	1	5	6	3	05	194	44	3

* Miles per hour.

† Beaufort Scale (0-12).

‡ No record.

ARMAGH, a.—JUNE 1909.

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.
	ins.	ins.							in.	in.	%	%	*	*			ins.	hrs.	°			
1	29.74	29.81	53.7	45.0	58.2	40.5	4.0	3.7	.307	.220	74	—	—	1	—	2	9	0	.073	57	33	
2	29.93	30.03	50.5	44.6	57.9	41.4	2.0	3.2	.317	.226	87	77	—	1	—	0	10	0	—	23	32	
3	30.01	29.91	53.5	50.8	60.2	37.3	5.0	1.4	.283	.336	69	90	—	2	—	2	9	10	—	9.8	29	
4	29.80	.71	51.3	53.3	63.2	49.3	1.5	1.9	.339	.354	90	87	—	3	—	2	10	10	—	4.3	45	
5	.62	.62	55.7	49.7	58.6	49.1	3.9	1.9	.338	.309	76	88	—	1	—	2	10	10	—	1.4	47	
6	.72	.83	52.3	47.2	56.9	42.4	5.9	3.4	.252	.247	64	77	NE	4	—	1	1	0	—	14.4	36	
7	.90	.93	56.6	48.0	63.7	38.5	5.1	2.0	.321	.285	70	86	—	2	—	2	0	0	—	12.2	29	
8	.94	.96	52.3	51.4	59.0	46.3	2.5	2.8	.327	.309	83	82	—	3	—	3	10	10	—	0.4	35	
9	.98	.97	53.3	51.0	58.1	49.4	2.5	2.3	.338	.316	83	84	N	2	—	2	10	10	—	0.4	49	
10	.95	.89	51.6	48.0	58.2	48.0	4.0	2.3	.284	.278	75	84	—	4	—	3	10	9	—	7.0	46	
11	.87	.89	52.0	47.6	57.2	44.7	3.6	2.1	.296	.280	76	86	—	2	—	1	10	8	—	1.7	40	
12	.90	29.92	54.7	50.5	60.9	39.2	3.9	2.0	.323	.317	76	87	—	2	—	1	9	10	.030	3.6	32	
13	29.97	30.04	55.4	54.4	63.9	47.9	2.2	1.4	.377	.383	86	91	—	1	—	2	10	10	.020	1.3	46	
14	30.09	.11	59.2	52.4	69.0	44.3	4.2	1.6	.378	.351	75	90	—	1	—	2	1	1	—	10.5	36	
15	.10	.06	61.3	49.0	67.1	43.3	4.3	1.0	.407	.322	73	93	—	3	—	0	1	1	—	11.3	34	
16	.07	.13	56.4	55.5	63.7	43.4	3.6	2.0	.355	.384	69	87	NW	4	—	1	8	10	.012	6.2	37	
17	.20	.21	59.4	54.0	64.9	45.2	5.4	1.9	.350	.363	69	87	WSW	4	—	1	8	10	.055	2.7	51	
18	30.12	30.05	61.4	56.6	65.1	51.3	3.8	1.0	.423	.429	78	93	—	2	SW	4	10	10	—	4.2	53	
19	29.97	29.76	58.3	55.6	66.9	55.0	1.9	2.1	.429	.383	87	86	—	2	SW	4	8	10	.060	6.3	50	
20	.54	.42	58.5	52.0	63.0	51.0	5.0	3.7	.349	.294	71	76	SSW	13	SW	6	10	10	.500	0.2	42	
21	.29	.07	53.8	51.8	55.7	45.5	3.0	0.7	.332	.360	80	95	ESE	6	8	0	10	10	.063	0.2	47	
22	.04	.03	52.2	51.4	60.0	48.9	1.6	0.8	.348	.359	89	94	—	2	—	0	10	10	.500	0.2	48	
23	.04	.20	51.0	49.6	55.0	48.4	0.5	0.6	.361	.340	97	96	SSW	5	ESE	4	10	10	.500	0.2	48	T 1.45p.-2.15p.
24	.41	.58	54.8	51.8	62.7	45.3	1.8	2.2	.378	.328	88	85	—	3	—	2	10	10	.012	4.8	43	T 1p.-3p.
25	.72	.79	55.6	49.7	63.4	47.6	3.7	3.0	.342	.283	77	80	—	2	—	2	10	10	—	2.6	41	
26	.75	.77	52.0	44.7	54.3	44.7	5.0	1.0	.266	.273	69	93	NNW	4	—	1	10	7	—	—	37	
27	.72	.70	51.6	52.5	60.3	39.0	1.5	1.0	.343	.368	90	93	—	2	—	2	10	10	.040	0.3	33	
28	.72	.74	53.6	52.3	62.4	51.0	0.2	0.6	.406	.376	99	96	—	2	—	0	10	8	.227	3.1	46	
29	.77	.80	55.8	54.6	68.2	43.0	2.2	1.8	.384	.375	86	89	—	2	—	2	9	0	.005	10.5	39	T 1.45p. and 3p.-4.30p.
30	29.86	29.92	51.7	54.4	68.6	44.4	1.0	2.1	.357	.364	93	86	—	1	—	2	10	0	—	5.3	42	
M.	29.790	29.795	54.7	51.0	61.5	45.5	3.2	1.9	.344	.327	80	87	—	3	—	2	8.4	7.1	2.197	138	40.4	

MARKREE CASTLE, SLIGO, a.b.—JUNE 1909.

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.

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* Miles per hour.

† Beaufort Scale (0-12).

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHOENIX PARK), a.—JUNE 1909.

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 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.	Grass.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	54.5	48.9	59.1	43.4	3.9	2.2	320	294	76	85	NW	6	—	3	8	1	ins.	hrs.	°	Cloudy.	
2	29.79	29.86	53.8	47.6	57.9	43.4	3.3	1.1	325	303	78	93	NNE	9	—	1	4	3	—	11.8	39	Cloudy a. Bright p.	
3	30.07	29.96	53.6	48.4	58.5	35.9	3.6	0.8	315	321	76	94	NE	7	—	1	5	9	—	11.8	33	Bright a. Cloudy p.	
4	29.81	29.76	54.9	53.4	62.8	46.9	1.9	1.4	376	368	88	90	NE	9	N	6	9	10	—	5.2	43	Fine.	
5	29.69	29.68	55.1	50.1	61.6	49.7	2.5	0.4	364	352	84	97	NW	6	—	2	9	10	175	1.5	49	Cloudy and overcast.	
6	29.76	29.76	49.5	42.1	53.8	41.9	2.6	0.5	290	257	82	96	E	7	—	1	9	8	—	7.2	38	Fine.	
7	29.94	29.97	57.7	47.6	60.9	33.3	4.0	0.9	363	308	76	94	NNE	5	—	2	1	1	—	13.3	31	Fine and sunny.	
8	30.01	30.02	53.1	53.8	61.4	38.9	1.6	2.3	360	351	89	85	W	5	WNW	4	10	10	—	1.1	36	Cloudy and overcast.	
9	30.05	30.03	53.3	53.3	60.2	50.1	2.5	1.8	338	357	83	88	NW	5	NW	4	10	10	—	0.2	50	Fine, but overcast.	
10	30.00	29.94	52.6	48.3	58.8	47.9	3.4	2.8	308	272	77	81	N	10	—	3	9	3	—	7.6	42	Cloudy.	
11	29.92	29.93	51.0	48.9	55.6	39.9	2.8	1.1	304	320	81	93	NNE	6	—	0	9	10	—	1.3	34	Cloudy and overcast.	
12	29.95	29.98	53.0	51.5	57.9	39.9	3.3	3.3	315	298	78	78	E	3	—	0	8	10	—	1.2	37	Cloudy and overcast.	
13	30.03	30.08	58.7	48.2	61.9	41.9	5.1	1.1	349	310	70	93	E	4	—	0	8	2	—	11.3	37	Fine.	
14	29.15	29.16	62.8	54.6	66.1	43.7	6.1	3.1	382	342	68	80	E	4	—	3	3	7	—	13.5	35	Fine and sunny.	
15	29.15	29.15	60.7	54.2	67.9	40.9	5.2	1.4	389	380	71	91	NE	5	—	1	6	9	—	13.5	35	Fine and sunny.	
16	29.14	29.14	61.7	55.9	63.9	45.2	5.1	1.6	362	401	70	90	NW	7	—	1	6	9	—	7.6	38	Cloudy.	
17	29.28	29.28	56.4	54.6	64.2	48.4	3.1	4.0	367	319	81	76	NW	8	—	3	8	6	—	7.6	43	Cloudy.	
18	29.23	29.14	61.4	57.8	66.2	49.9	5.5	3.3	377	412	70	80	W	7	WSW	5	10	9	015	3.3	44	Cloudy. ☉ p.	
19	30.05	29.89	59.4	56.4	66.3	56.2	2.1	0.9	440	428	88	95	W	5	—	5	10	9	015	2.2	55	Cloudy. ☉ p.	
20	29.68	29.68	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	370	30	49	Cloudy.	
21	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	590	1.8	43	☉ 7a.-4p.	
22	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	105	4.4	37	Cloudy. ☉ p.	
23	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	275	—	43	Overcast, with ☉.	
24	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	005	1.7	47	Cloudy. ☉ p.	
25	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	022	4.5	38	Cloudy. ☉ p.	
26	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	—	0.5	47	Cloudy and overcast.	
27	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	275	0.4	33	Cloudy and overcast. ☉ p.	
28	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	055	1.7	46	☉ T a. Cloudy and overcast.	
29	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	—	9.4	42	Fine.	
30	29.63	29.63	52.6	50.6	63.6	50.3	5.2	0.9	352	346	70	94	SW	10	—	3	9	10	—	12.3	36	Fine.	
M.	29.852	29.853	55.6	51.2	60.9	44.5	3.3	1.7	352	334	79	89	6	2	7.9	7.1	1.907	168	40.7				

BIRR CASTLE, KING'S COUNTY, a.b.—JUNE 1909.

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, +0.21 in.

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* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JUNE 1909.

Tables of Wind Direction (D.) in numbers (8=E, 16=S, 24=W, 32=N) and

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	23	8	4	4	23	10	11	14	—	22	7	40	30	12	31	22
2	4	7	5	5	4	8	—	—	23	7	40	30	12	31	22	
3	6	7	8	4	7	7	10	—	20	14	30	5	12	3	15	18
4	7	10	2	5	4	12	10	—	30	10	45	4	16	2	15	18
5	6	4	4	4	6	6	6	—	21	13	50	30	15	28	10	3
6	4	4	4	4	6	7	10	—	16	11	40	5	21	7	22	4
7	23	7	26	7	24	10	14	—	21	18	35	6	6	1	7	32
8	24	9	25	10	25	11	16	—	33	22	15	31	10	31	6	29
9	23	9	24	4	25	13	15	—	30	0	10	30	12	29	5	29
10	32	4	—	0	5	5	9	—	29	23	25	31	21	30	18	30
11	3	4	4	6	1	9	7	—	22	11	35	2	18	1	16	31
12	32	4	4	4	32	6	4	—	21	14	10	31	8	31	7	31
13	24	9	24	10	24	11	16	—	17	16	15	31	4	31	8	29
14	22	5	14	4	23	6	15	—	19	13	45	25	4	25	6	25
15	4	5	8	8	6	9	10	—	20	17	45	29	5	29	10	31
16	—	2	—	2	27	6	16	—	24	17	20	29	10	30	10	29
17	25	13	27	15	26	15	17	—	30	14	55	29	12	29	9	28
18	24	9	22	4	23	10	8	—	24	21	45	23	17	21	12	19
19	23	8	23	7	23	9	12	—	20	13	20	23	13	23	10	19
20	20	15	22	6	22	16	10	—	31	12	10	18	16	18	19	16
21	19	4	13	12	13	12	14	—	27	15	25	16	13	14	15	17
22	—	3	—	2	23	9	10	—	19	18	45	16	9	18	12	18
23	17	8	—	1	16	21	10	—	27	9	20	18	13	17	16	9
24	3	9	2	11	3	12	15	—	31	17	15	3	14	32	15	17
25	32	8	1	7	1	14	10	—	28	14	15	31	20	31	13	12
26	1	4	—	2	30	7	7	—	21	16	50	30	9	30	10	31
27	—	3	—	3	19	5	11	—	15	13	10	31	6	24	11	22
28	4	4	9	4	18	4	12	—	12	11	40	12	7	3	8	5
29	3	5	—	3	28	7	17	—	22	15	10	7	10	1	6	30
30	6	6	4	4	6	6	13	—	19	17	35	2	4	25	14	2

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	9	5	5	4	2	7	15	—	22	2	16	13	—	—	—	128
2	—	2	28	5	5	7	22	—	—	—	24	14	—	9	—	34
3	32	4	28	7	28	7	17	18	—	17	14	—	9	—	—	29
4	—	2	7	9	8	10	19	21	24	—	25	10	—	13	—	34
5	8	7	8	7	6	10	1	—	—	—	23	15	—	22	—	31
6	—	3	8	4	8	7	23	—	—	—	15	10	—	13	—	24
7	25	12	24	12	25	24	13	18	—	—	13	10	—	5	—	30
8	25	11	26	15	26	15	16	17	18	—	16	8	—	2	—	27
9	26	13	27	10	26	13	13	14	—	—	17	15	—	16	—	23
10	32	4	1	10	3	12	19	—	—	—	21	22	—	20	—	36
11	4	4	6	4	2	5	11	12	—	—	18	15	—	17	—	9
12	—	2	27	7	27	7	18	—	—	—	11	7	—	10	—	4
13	23	5	23	11	23	11	18	—	—	—	3	—	9	—	5	15
14	28	5	5	9	4	10	16	—	—	—	1	10	6	12	4	11
15	8	7	6	12	6	12	18	—	—	—	32	9	4	7	2	24
16	22	7	26	10	25	11	17	—	—	—	29	12	5	8	1	24
17	27	12	26	10	26	12	11	—	—	—	29	12	30	8	28	10
18	24	14	24	8	24	14	13	—	—	—	23	15	23	9	24	12
19	27	9	26	10	26	24	11	12	—	—	25	7	24	11	5	28
20	20	15	21	9	21	18	14	—	—	—	19	15	19	18	8	24
21	16	9	4	6	16	5	8	9	—	—	15	12	14	15	16	11
22	6	14	18	6	6	15	14	—	—	—	8	6	15	13	4	15
23	5	7	5	4	5	9	24	—	—	—	—	1	2	4	15	13
24	7	9	2	4	5	12	4	—	—	—	29	12	2	16	3	40
25	6	6	—	2	6	7	15	—	—	—	32	18	4	31	14	10
26	—	3	1	4	4	5	2	—	—	—	27	15	30	9	29	20
27	7	8	8	10	8	12	17	—	—	—	25	14	28	8	27	15
28	6	10	8	10	8	13	16	—	—	—	—	2	13	7	11	2
29	4	4	4	4	7	8	19	—	—	—	1	9	3	7	0	1
30	6	4	7	9	7	9	18	—	—	—	3	7	4	8	4	12

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.

§ 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.

DEERNES, ORKNEY, a.b.—JULY 1909.

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.	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	47.2	52.8	44.8	3.0	1.2	289	295	80	92	N	5	SE	10	9	1	Very fine day.		
2	30.07	30.03	48.7	55.2	56.8	45.0	0.4	1.2	334	401	97	92	SSE	14	W	10	10	3	☉ a. Cloudy day.		
3	29.90	29.74	48.7	55.2	56.8	45.0	0.4	1.2	334	401	97	92	S	10	W	12	10	10	☉ 4p.-6p. ☉		
4	58	50	55.7	54.9	60.0	50.0	1.7	0.6	395	414	89	96	WNW	14	W	9	10	9	Cloudy day.		
5	59	70	54.6	51.1	57.3	50.5	3.0	0.7	325	356	80	95	S	8	SSE	7	8	10	Dull day. ☉ after 8p.		
6	64	70	52.2	51.0	53.8	49.2	0.2	0.8	366	369	94	99	NW	7	NNE	9	10	10	☉ n. and a. ☉ 9a.-3p. ☉ till		
7	29	28	52.0	51.0	53.8	49.2	0.2	0.8	366	369	94	99	NNE	13	NW	16	10	2	☉ till noon. ☉		
8	45	70	51.0	50.5	53.8	48.5	0.8	0.2	377	369	94	99	NNE	7	NW	18	10	7	☉ till noon. ☉		
9	78	79	51.0	50.5	53.8	48.5	0.8	0.2	377	369	94	99	SSE	7	NW	18	10	7	☉ till noon. ☉		
10	53	35	52.8	51.0	56.0	48.5	0.8	0.2	377	369	94	99	NW	22	NW	17	10	8	☉ after 5p.		
11	38	54	51.6	50.6	54.0	48.8	1.6	1.5	340	330	89	94	NW	19	NW	13	9	2	Dull day.		
12	65	80	54.1	49.7	56.0	47.7	2.3	1.7	354	313	84	88	NW	19	NW	13	9	2	Dull day.		
13	79	66	54.7	52.4	57.8	44.2	3.9	1.4	323	355	76	90	W	7	S	5	10	9	Dry, breezy and sunny.		
14	67	62	55.6	51.2	58.3	50.2	4.7	0.4	319	366	72	98	WNW	9	S	10	9	10	Fine.		
15	60	71	54.0	52.1	59.3	50.2	4.0	1.3	310	355	74	91	WSW	20	W	10	9	7	☉ p.		
16	72	50	53.5	51.6	60.6	49.0	2.1	0.6	351	366	86	96	W	13	S	10	8	10	Dull a., then very fine.		
17	34	39	50.0	52.0	57.7	50.0	1.0	3.0	334	310	93	80	S	4	W	19	10	4	☉ after 6p.		
18	66	62	55.2	52.0	57.6	49.4	3.9	2.5	330	323	76	83	W	39	WSW	18	3	9	☉ a.		
19	63	76	54.6	51.0	57.8	49.3	4.6	2.0	305	323	72	86	W	21	W	13	5	10	☉ a. Bright day.		
20	72	84	53.0	51.8	57.6	47.8	4.0	1.8	299	338	74	87	W	26	W	13	5	10	Fine and bright.		
21	74	40	50.9	55.0	57.0	48.8	0.9	0.8	349	409	94	94	S	13	W	7	8	9	Sunny a., then dull.		
22	25	26	53.2	49.3	55.6	48.5	1.8	1.0	355	326	88	93	W	20	W	17	8	9	☉ 7a.-3p.		
23	24	05	54.0	52.0	58.2	46.2	2.2	1.2	315	356	75	92	WSW	11	W	16	6	10	Squally, with ☉ showers.		
24	02	01	52.2	52.0	58.2	46.2	2.2	2.2	332	330	85	85	S	15	S	8	9	8	Fine morning.		
25	02	25	57.0	49.0	58.8	47.8	5.0	0.6	327	332	70	96	E	4	NE	4	4	0	☉ p.		
26	32	27	55.2	50.0	56.3	46.8	2.2	0.8	373	339	86	94	N	6	NE	10	8	2	☉ p.		
27	16	36	54.8	50.2	56.0	48.2	2.5	1.9	359	315	84	87	N	21	NW	15	6	5	☉ p.		
28	53	65	51.1	50.0	56.2	48.4	1.1	1.0	347	333	92	93	NW	7	NW	1	9	10	☉ p.		
29	67	63	53.0	47.8	56.1	47.0	4.0	1.8	299	288	74	87	E	3	—	3	7	2	☉ showers a. and all p.		
30	49	42	52.3	52.0	56.8	46.8	2.1	0.8	336	366	85	94	E	6	—	3	10	2	☉ p.		
31	46	62	51.8	49.8	57.0	49.2	1.0	1.3	359	325	93	91	E	6	—	3	10	2	☉ till 8a. ☉		
	29.68	29.80	55.2	51.8	57.0	47.4	3.5	1.7	340	341	78	88	N	4	—	3	8	10	☉ Very fine day.		
M.	29.525	29.538	53.1	51.1	56.7	48.1	2.5	1.3	339	344	84	91		13		10	8.5	6.8	2.440	147	—

TILLYPRONIE, ABERDEENSHIRE.—JULY 1909.

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.	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	29.00	28.98	54.2	48.8	65.0	44.2	4.2	2.3	.308	.290	73	84	NE	2	NE	1	1	—	—	∞ and sunshine.	
2	28.93	28.93	54.2	48.8	65.0	44.2	4.7	3.7	.362	.374	73	77	E	1	S	2	6	5	—	∞	
3	64	54	62.5	57.5	65.3	55.2	5.3	3.3	.399	.378	70	79	W	4	S	3	5	4	—	∞	
4	65	73	60.5	57.1	65.2	49.0	5.3	4.6	.368	.338	70	73	W	5	W	1	4	7	—	∞ and sunshine.	
5	67	44	50.0	52.8	65.3	47.0	0.5	1.8	.348	.350	97	87	W	1	W.	1	4	9	—	∞	
6	28	28	57.1	47.5	61.0	46.5	5.3	1.4	.321	.294	68	90	W	2	N	1	6	6	.48	≡	
7	38	66	53.1	48.5	59.0	46.0	2.1	0.5	.346	.328	85	96	NW	2	N	1	10	9	.12	≡	
8	78	81	49.8	52.1	62.2	45.0	3.0	3.6	.285	.298	81	76	N	4	NW	3	9	3	—	Dull.	
9	57	38	59.0	51.9	68.6	44.9	4.1	1.7	.377	.341	76	88	NW	3	W	3	6	6	.11	≡	
10	41	55	53.0	48.0	61.8	44.5	5.0	3.0	.277	.263	69	79	NW	3	W	6	6	4	—	≡	
11	63	74	51.0	46.5	60.5	43.2	3.8	1.3	.281	.286	75	90	N	4	N	7	6	2	—	≡	
12	81	72	49.0	58.9	62.3	42.1	1.2	4.9	.317	.355	92	71	NW	3	NW	1	3	9	—	Sunshine.	
13	62	67	61.2	56.5	65.8	50.5	3.4	3.0	.431	.371	80	81	W	3	NW	1	9	6	.20	Dull.	
14	63	73	58.2	52.0	66.1	49.5	6.2	3.6	.316	.296	65	76	W	1	NW	1	4	7	—	≡	
15	74	56	56.0	51.0	61.0	46.5	7.0	1.0	.274	.348	60	93	W	5	NW	1	6	8	.48	Sunshine and ☉.	
16	36	50	58.1	51.5	66.2	48.5	2.6	2.9	.406	.307	83	81	W	2	W	4	5	3	—	≡	
17	55	69	56.7	52.3	61.5	47.9	7.1	5.3	.279	.263	61	67	NW	6	W	1	5	9	—	≡	
18	67	82	52.0	49.6	62.4	47.0	2.7	5.0	.318	.230	82	65	W	2	NW	1	8	3	—	Occasional sunshine.	
19	81	87	56.2	51.7	64.0	43.8	6.4	4.4	.289	.276	63	72	NW	8	W	2	5	5	—	≡	
20	80	50	51.8	57.2	67.2	44.1	2.0	2.4	.333	.297	87	85	W	1	SW	5	10	9	—	≡	
21	35	34	57.7	55.9	62.4	52.0	4.2	4.2	.358	.335	75	74	NW	8	NW	3	5	8	.05	Fresh breeze. Sunshine.	
22	28	13	56.0	52.1	63.5	49.6	3.9	3.4	.343	.302	76	77	W	2	SW	4	8	7	—	Dull, but fine.	
23	09	07	50.0	50.1	58.2	44.0	4.5	5.5	.255	.236	71	65	SW	8	SW	3	5	8	—	☉	
24	01	22	52.0	46.7	58.2	41.0	3.5	1.7	.299	.279	77	88	SW	2	NW	3	8	7	.14	∞ ⁰	
25	29	17	50.1	46.8	57.0	43.8	1.9	2.3	.313	.266	86	84	W	1	NE	8	9	10	.14	Dull, with ☉.	
26	13	40	47.9	46.5	59.0	45.0	1.4	1.5	.299	.281	91	89	N	4	NW	1	9	2	.08	Dull.	
27	56	63	51.9	48.5	57.0	42.0	4.9	1.0	.267	.316	69	93	NW	3	NW	2	7	9	.07	≡	
28	67	63	50.0	48.5	56.2	45.0	2.8	1.3	.291	.308	81	90	NW	1	NW	2	9	9	.14	≡	
29	46	41	50.0	48.5	58.0	44.5	0.8	0.7	.339	.324	94	95	NW	2	NW	1	9	9	.19	≡	
30	45	58	55.1	51.5	60.0	46.0	3.1	0.7	.348	.362	80	95	NW	1	NW	2	9	9	.16	∞ ⁰	
31	28.64	28.90	51.1	51.8	58.2	45.2	0.3	1.3	.368	.351	98	91	NW	1	NW	1	9	9	.37	≡	
M.	28.544	28.564	54.2	51.5	62.2	45.9	3.7	2.7	.326	.314	78	82		3.1		2.5	6.6	6.5	2.81	—	—

LAUDALE, ARGYLESIRE, a.—JULY 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +031 in.

1	30.23	30.16	65.7	55.2	73.9	44.0	10.2	3.2	325	347	51	80	Calm	0	Calm	0	0	7	—	—	Very fine.
2	30.06	30.00	61.5	57.3	67.2	52.0	5.0	3.3	391	374	72	79	S	4	W	2	10.00	10	15	—	Dull, with ● showers.
3	29.85	29.75	58.0	56.5	62.5	52.0	2.0	1.5	421	412	87	90	Calm	0	W	5	10	10.0	20	—	Dull, with thick mist.
4	90	95	57.2	52.9	59.7	52.9	2.2	1.4	403	362	86	91	W	5	W	5	10	10.0	26	—	Cloudy and misty, with ●.
5	81	64	56.0	53.0	57.9	50.5	1.0	1.7	419	355	93	88	W	2	N	4	10.0	10.0	22	—	Misty, with ● showers.
6	45	50	59.9	52.5	62.2	49.9	4.9	0.8	370	373	71	94	W	1	N	2	9	4	05	—	● showers.
7	29.67	29.91	56.5	54.2	62.9	50.0	1.4	1.3	415	383	91	91	N	6	N	5	10	6	—	—	Dull and misty.
8	30.09	30.01	60.2	53.2	64.2	49.0	4.3	1.2	390	371	75	92	N	5	N	1	7	10	—	—	Thick mist and ● showers.
9	29.74	29.62	57.2	53.2	59.9	52.0	1.2	1.0	431	377	92	93	W	3	N	3	10.0	10	48	—	Misty, with ● showers.
10	67	29.80	55.0	54.2	59.9	49.0	2.1	0.7	372	400	86	96	N	5	N	2	10	10	—	—	Fine.
11	29.92	30.01	59.5	52.2	64.5	49.8	4.6	3.3	372	306	73	78	N	4	N	4	8	5	—	—	Misty, with ●.
12	30.01	29.90	58.3	57.2	63.2	43.0	4.3	0.2	363	462	74	99	Calm	0	W	1	10	10.0	08	—	Thick mist ga.
13	29.87	90	56.7	50.1	53.1	0.8	1.7	436	409	95	89	W	2	W	3	10	10	12	—	—	Dull and misty, with ●.
14	89	95	56.5	54.1	64.4	52.3	2.5	2.6	384	346	84	82	W	4	W	4	8	10	14	—	● showers.
15	94	67	55.9	54.5	58.3	52.0	1.9	0.8	392	402	88	95	W	1	S	6	10	10.0	61	—	Dull.
16	61	74	58.1	53.3	61.2	52.0	1.0	2.3	452	343	93	84	N	2	N	4	9	10	04	—	Dull and misty.
17	83	29.90	54.2	54.0	59.8	50.0	2.0	1.7	364	368	86	88	N	4	Calm	0	10	10	27	—	Dull and misty.
18	29.96	30.06	56.1	54.3	60.1	50.7	5.1	2.3	316	357	69	84	W	5	W	5	10	10.0	10	—	Misty, with ●.
19	30.07	30.14	56.5	54.5	58.7	49.9	2.6	2.5	381	354	83	83	NW	5	W	5	10	10.0	27	—	Misty, with ● showers.
20	29.93	29.68	54.3	57.2	59.9	51.9	0.6	0.0	405	468	96	100	W	4	W	4	10.0	10.0	28	—	Dull, with ● showers.
21	60	54	56.1	54.1	58.5	51.0	0.4	1.1	439	387	97	92	W	4	W	2	10	10.0	53	—	Dull and misty, with ●.
22	45	33	57.3	51.5	60.0	50.7	1.6	1.5	421	341	89	89	W	1	W	6	10	6.0	57	—	Dull, with ● showers.
23	27	16	53.7	51.5	57.5	48.0	1.5	1.5	370	341	89	89	W	6	W	4	6	7	07	—	Dull, with ● showers.
24	25	45	55.5	52.5	62.0	49.7	3.5	2.1	344	338	78	86	N	5	N	3	10	9	03	—	Dull and cold.
25	42	33	59.5	54.2	60.0	49.0	4.0	3.3	388	330	76	78	Calm	0	NE	5	10	8	15	—	Dull and cold.
26	42	64	54.9	52.5	62.9	48.9	2.4	3.8	364	298	85	75	N	5	N	4	10	9	—	—	Dull and cold.
27	75	87	55.2	51.9	59.9	47.9	3.0	1.8	352	338	81	88	Calm	0	Calm	0	10	6	—	—	Fine but cold. Distant T.
28	87	79	59.1	50.7	63.2	43.0	4.8	2.7	361	302	72	82	Calm	0	S	4	5	10.0	62	—	Dull and misty.
29	67	57	54.5	52.0	58.0	48.5	2.0	0.3	368	380	87	98	W	5	Calm	0	10.0	6	21	—	● showers.
30	62	76	58.2	55.3	59.5	50.0	2.3	1.3	415	399	85	91	N	2	W	1	8	10.0	09	—	Dull, with ● showers.
31	29.81	29.94	62.2	54.3	67.5	44.4	3.9	1.3	433	384	78	91	Calm	0	NW	1	9	8	—	—	Fine all day.
M.	29.762	29.763	57.4	53.9	61.6	49.6	2.9	1.7	389	368	83	88		2.9		3.1	9.0	8.7	7.14	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—JULY 1909.

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.		
							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.	59.2	48.5	61.0	39.4	4.2	0.9	378	319	75	93	SW	1	NE	1	0	—	—	Fine.
2	30.08	30.07	59.2	48.5	61.0	39.4	4.2	0.9	378	319	75	93	SW	1	NE	1	0	—	—	Dull, with ∞.
3	29.99	29.85	55.5	59.9	67.2	43.5	1.9	2.5	387	436	88	85	W	1	SW	3	10	10	—	Dull. ● showers.
4	72	62	61.0	57.9	64.2	50.2	3.6	1.4	422	438	79	92	SW	5	W	1	10	5	—	Fine.
5	70	75	64.5	56.6	70.7	52.4	4.5	3.4	454	362	75	98	SW	1	SW	1	5	5	—	Dull and cloudy.
6	73	48	55.2	54.3	62.5	50.2	2.6	0.7	393	402	84	95	SW	1	SW	3	10	10	—	Cloud and sunshine.
7	32	28	60.8	54.2	67.7	45.5	4.5	1.7	399	372	76	89	SW	1	N	1	5	5	—	Cloud and sunshine.
8	40	66	53.2	55.5	63.8	50.0	1.0	2.3	377	376	93	85	NW	1	NE	3	10	10	—	Fine.
9	80	82	60.5	55.5	71.2	49.7	4.9	1.7	379	392	72	89	NW	3	NE	1	5	0	—	Dull. ● 4.30p.—8p.
10	64	38	60.0	54.9	62.2	47.8	3.0	1.2	423	397	82	93	SW	3	NW	1	5	5	—	Fine.
11	42	58	55.2	52.6	62.7	46.4	4.0	4.1	328	293	75	74	NW	3	NW	1	10	10	—	Cloud and sunshine.
12	68	85	56.8	54.2	63.0	49.6	4.8	4.2	330	308	71	73	NE	5	N	3	10	5	—	Cloud and sunshine.
13	84	75	59.8	60.0	66.2	42.4	5.6	1.8	351	459	68	89	E	1	W	1	5	10	—	Cloud and sunshine.
14	71	71	65.0	60.0	71.5	42.2	3.8	4.5	484	329	79	73	SW	1	NW	3	5	5	—	Fine.
15	69	78	63.0	57.2	70.2	52.6	4.0	2.0	443	409	77	87	SW	5	NW	1	5	5	—	Dull and cloudy. ● from 6p.
16	79	61	60.2	53.2	62.0	49.8	5.2	0.9	367	380	70	84	NW	1	SW	5	10	10	—	Cloud and sunshine.
17	39	52	62.6	58.2	73.2	52.5	3.4	3.2	454	390	80	90	SW	8	SW	3	5	10	—	Fine. ↗ 6a.—5p.
18	62	75	60.5	56.5	65.8	51.2	8.3	4.8	298	326	57	71	SW	3	SW	1	5	5	—	Fine.
19	73	89	59.6	53.5	66.0	50.5	3.6	2.8	400	334	78	81	NW	3	W	1	5	10	—	Fine, then dull.
20	88	96	61.6	55.4	68.2	49.8	7.4	3.4	332	345	61	79	NW	3	W	5	10	10	—	Dull and cloudy.
21	87	53	56.8	59.5	62.0	49.0	4.3	1.7	343	454	74	90	SW	1	SW	5	10	10	—	Fine. ↗ from noon.
22	40	37	63.8	56.2	60.2	56.0	6.1	3.4	397	357	68	79	W	3	W	8	5	10	—	Cloud and sunshine. ● shower.
23	33	19	58.7	54.5	65.6	53.6	3.7	2.5	384	354	77	83	SW	3	SW	3	10	5	—	—
24	18	10	58.0	51.2	62.4	47.5	3.0	2.4	393	316	81	84	SW	5	SW	5	10	5	—	—
25	04	26	57.6	53.6	65.0	50.0	3.6	2.6	371	339	78	82	W	1	W	5	5	5	—	—
26	32	09	55.2	49.8	58.2	46.2	3.0	0.4	352	348	81	97	E	1	NE	7	10	10	—	T 3.30p.—4.30p. ● from 4p.
27	15	44	52.2	43.7	63.7	48.6	2.0	3.6	337	311	86	77	NW	3	W	1	10	5	—	Dull, then fine.
28	61	62	56.6	55.6	63.5	46.0	5.0	2.4	323	375	70	84	SE	1	NE	1	10	5	—	Cloud and sunshine.
29	48	64	54.7	52.8	62.3	49.8	2.2	1.4	368	361	86	90	SE	1	NE	1	10	14	—	● showers all day.
30	51	43	59.2	55.5	64.2	49.5	3.0	2.0	411	384	82	87	NW	3	SW	1	10	10	—	Dull. ● showers from noon.
31	29.67	29.80	57.5	54.0	65.0	51.5	2.0	0.8	414	394	87	96	SE	1	SE	1	10	10	—	● showers all day.
M.	29.594	29.592	58.7	55.0	65.5	49.1	3.9	2.3	383	370	77	85	2.4	2.4	7.1	7.3	2.71	—	—	Dull.

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JULY 1909.

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.					
1	ins.	ins.							in.	in.	%	%	NE	†			ins.	hrs.					
2	29.87	29.90	50.2	43.9	58.0	42.0	3.0	0.7	289	270	80	95	SSE	4	S	1	10	2	—	5.6	47	Fine and breezy.	
3	85	76	62.1	59.2	70.0	42.0	6.0	3.4	375	400	68	80	SW	1	SW	2	3	9	0.1	6.1	38	Fine.	
4	54	47	62.9	60.9	66.0	54.0	4.0	1.0	441	501	77	94	W	6	SW	2	4	10	0.6	2.4	52	Cloudy.	
5	59	35	56.9	53.9	60.0	48.0	3.8	1.4	355	376	77	91	NW	3	NW	2	4	2	—	5.7	48	Fine.	
6	16	07	55.6	51.9	60.0	46.0	3.4	1.0	349	359	78	93	W	4	S	3	8	9	0.3	0.3	44	Cloudy.	
7	21	42	53.0	53.0	64.0	46.0	2.0	1.0	347	374	86	93	NNW	4	NNW	4	9	8	0.4	2.7	44	Breezy, with ● showers.	
8	57	65	57.2	50.0	63.0	49.0	4.7	1.0	337	334	72	93	N	6	NW	4	3	2	—	14.0	47	showers.	
9	64	24	61.5	54.0	64.0	43.0	4.6	1.0	401	388	74	93	W	5	NW	5	4	8	0.3	4.0	41	Fine and breezy.	
10	24	36	53.6	53.0	62.0	48.0	4.1	4.0	304	299	74	74	NNW	3	NW	6	8	7	0.6	5.5	49	Cloudy.	
11	45	61	53.5	51.0	57.0	49.0	4.6	1.6	292	333	71	89	NW	4	NW	3	9	9	—	1.7	4.7	Dull and breezy.	
12	71	61	55.2	55.0	64.0	44.0	4.0	2.0	330	375	75	87	NE	1	W	4	8	4	—	8.6	4.1	Fine.	
13	59	60	55.0	55.0	68.0	52.0	3.3	3.0	405	349	81	81	W	3	NW	3	8	2	—	6.3	4.9	Fine.	
14	59	62	59.9	55.9	61.0	51.0	2.9	0.9	423	420	83	94	W	6	W	4	8	9	0.1	0.4	46	Cloudy.	
15	65	56	59.9	54.5	62.0	47.0	6.0	0.7	344	405	67	96	N	2	W	3	3	10	3.5	2.7	44	Cloudy. ● 8p.	
16	25	38	60.8	58.1	70.5	50.0	2.8	2.0	442	423	83	87	NW	5	W	7	8	1	—	7.7	5.0	Fine.	
17	55	64	56.1	53.1	63.0	49.0	4.3	1.1	334	373	73	92	NW	7	W	2	3	3	—	6.2	4.6	Fine.	
18	59	75	60.8	56.9	67.0	51.0	0.8	5.1	506	323	95	69	W	4	NW	2	7	2	0.1	7.5	46	Fine and breezy.	
19	78	81	56.5	53.5	65.0	46.0	4.5	2.5	333	340	72	83	NW	5	W	4	6	3	—	9.8	4.1	Fine.	
20	78	47	56.0	61.0	66.0	47.0	4.0	2.0	340	470	75	88	W	3	W	8	7	9	—	3.4	4.2	Cloudy.	
21	32	28	59.0	55.2	68.0	54.0	3.0	3.0	407	352	82	81	NW	5	W	5	8	5	0.2	6.7	51	showers.	
22	23	10	57.4	52.5	63.0	51.0	2.5	2.0	398	341	84	87	W	4	NW	4	9	8	0.3	1.4	51	Cloudy.	
23	29.14	29.16	50.2	53.1	63.0	46.0	3.2	2.0	363	350	80	86	W	3	W	3	4	3	1.0	11.7	46	Fine day.	
24	28.94	28.96	50.2	53.1	63.0	46.0	3.2	2.0	363	350	80	86	W	6	W	2	8	4	3.0	9.5	42	Fine day.	
25	29.09	28.82	51.5	50.0	53.5	49.0	0.0	0.9	381	337	100	94	SE	2	SE	4	10	10	5.4	0.4	47	● a. ☞	
26	28.94	29.30	51.8	52.0	60.0	48.0	2.2	2.5	328	323	85	83	NW	5	NW	3	10	9	0.2	2.9	47	● a. Cloudy	
27	29.48	29.48	57.0	50.5	64.0	47.5	6.0	1.0	304	342	65	93	NW	3	Calm	0	4	7	—	6.2	3.9	Fine.	
28	51	54	55.2	52.9	61.0	47.5	2.9	1.4	355	362	82	91	NW	2	SSE	3	6	8	0.7	4.2	46	showers.	
29	38	27	60.5	53.1	63.0	50.0	5.4	0.1	366	401	70	99	NW	4	W	3	4	9	0.6	5.6	49	showers.	
30	30	45	59.0	54.0	64.0	51.5	4.0	1.5	380	374	76	90	W	4	W	3	8	3	0.3	5.8	51	showers. T	
31	29.47	29.63	58.7	54.5	62.0	50.0	4.5	1.5	363	381	73	90	E	2	SE	1	4	4	0.3	8.1	48	Fine.	
M.	29.447	29.449	57.4	53.7	63.3	48.3	3.8	1.8	365	365	77	88	3.9	3.4	6.6	6.0	2.18	168	45.9				

DOUGLAS, ISLE OF MAN, a.—JULY 1909.

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	29.93	29.93	55.0	51.3	58.6	47.5	5.0	2.5	302	315	70	83	ENE	2	ESE	1	2d	8d	—	14.2	47	Very fine. T
2	90	82	59.6	55.5	61.8	50.5	4.5	0.6	376	424	74	96	SE	2	WNW	1	4d	10	0.16	4.5	43	Cloudy till 3p. T
3	71	61	57.8	58.1	61.0	54.5	1.2	1.0	443	452	92	93	SW	1	WNW	3	9	9	0.175	—	46	Dull a. from 3p. T
4	70	77	55.3	54.2	61.8	50.8	2.9	1.4	356	380	81	91	W	3-4	NW	1	9	9	—	3.6	50	Cloudy day.
5	69	44	51.0	53.2	58.6	52.5	2.3	1.0	352	377	84	93	SW	3-4	W	1	9	3	0.161	1.6	46	Cloudy day. showers p.
6	26	21	54.0	51.5	59.1	50.3	2.4	1.4	350	344	84	90	W	3-4	WNW	3-4	9	8	—	1.4	48	Cloudy day.
7	37	58	52.5	52.6	56.5	50.3	1.0	0.7	368	377	93	95	WNW	4-5	NW	3-4	9	3	—	3.4	45	Cloudy.
8	72	77	54.6	52.2	57.8	50.1	3.0	2.1	345	335	81	86	WNW	4-5	NW	4-5	2	3	—	4.9	45	Fine day.
9	65	37	56.0	54.0	58.0	51.9	2.0	0.5	391	403	87	97	WSW	3	NW	3	9	9	0.404	0.2	45	Dull, with showers.
10	40	53	54.6	51.5	57.5	49.5	2.7	1.3	352	346	82	90	NW	4-5	WNW	4-5	3	6	—	13.7	47	Fine day. Squally.
11	62	73	59.0	51.5	58.0	49.8	4.0	1.5	340	341	75	89	NW	4-5	NW	4-5	2	4	—	12.0	45	Fine day. Squally.
12	79	74	54.9	54.4	61.5	48.0	3.3	1.4	342	383	79	91	NNW	3	SW	2	5d	9	—	9.0	45	Fine. Gloomy after 3p.
13	70	73	54.3	54.2	65.5	53.6	1.4	1.2	382	385	90	92	W	3-4	W	1	9	3d	0.31	4.1	43	Dull till 2p., then fine.
14	72	74	57.0	58.0	60.0	52.8	2.0	0.1	405	479	87	99	WSW	3-4	Calma	0	8	8	1.30	0.3	49	6 a. and 3p. Dull.
15	76	63	55.0	53.8	61.2	50.2	0.6	0.3	415	407	96	98	SW	1	SSW	6	9	10	0.778	0.8	48	Dull, with p.
16	45	57	57.9	56.0	64.1	53.0	0.9	1.0	452	419	94	93	W	3-4	WNW	3	9	2	—	5.6	50	Cloudy day.
17	71	73	56.3	57.5	62.5	50.7	3.7	0.5	351	458	77	96	W	3	SW	3-4	7d	9	0.12	11.2	47	Fine till 5.30p.
18	76	92	54.9	51.3	63.8	50.5	3.3	1.5	422	339	98	90	WNW	3-4	W	1	9	12	—	9.1	55	Very fine after 10a.
19	94	96	55.2	53.0	61.6	49.0	3.7	2.5	335	335	77	83	W	4	NW	1	7	2d	—	10.6	47	Fine. Gloomy 1p.-3p.
20	88	62	52.6	52.9	61.2	47.9	1.4	0.3	358	392	90	98	SW	2	SW	3-4	9d	10	0.105	1.5	45	Dull day.
21	48	42	57.2	56.2	62.2	52.0	1.9	2.1	412	391	88	87	WSW	3-4	WSW	3	9	9	0.41	3.2	55	Cloudy, with showers.
22	35	26	54.1	50.9	61.0	50.5	0.1	1.0	416	348	99	93	SW	3-4	W	1	10	8	0.40	2.2	53	8 a.-11a. Dull till 5p. T
23	26	15	54.8	52.0	58.5	49.2	3.1	2.6	345	320	80	82	SSW	4	SW	4	5	7	0.57	11.0	46	Fine day. Squally.
24	29.16	29.28	53.5	52.2	58.0	50.0	1.3	1.1	373	361	90	93	SSW	5-6	SSW	1	9	8d	1.078	2.8	49	Cloudy and squally.
25	28.99	28.99	52.3	52.0	57.0	49.4	0.6	2.6	376	320	96	82	NNE	4-5	W	6-7	10	9	0.59	6.4	49	Squally, with p.
26	29.20	29.45	53.2	51.5	58.8	49.8	2.3	1.5	343	341	84	89	W	3-4	NW	1	7	4	0.59	6.4	49	Squally. Fine after 4p.
27	54	51	56.2	52.5	59.9	46.5	2.2	1.1	388	365	86	92	SE	1	NNW	1	9d	8d	—	2.0	43	Dull and mild.
28	63	60	55.0	52.8	61.5	49.0	3.2	0.0	344	400	80	100	NNW	3-4	SSW	2	3	10	0.60	10.2	44	Fine till 4p.
29	54	41	56.2	54.1	62.0	48.0	1.7	0.2	402	414	89	98	WSW	3-4	W	2	9	9	0.309	2.0	53	Cloudy.
30	44	56	56.0	55.5	62.9	52.7	2.7	1.9	373	387	83	88	W	3-4	W	1	3	9d	0.575	5.7	52	Gloomy a., and from 2p.
31	29.46	29.69	55.5	55.0	62.7	52.2	0.0	4.0	441	325	100	75	ENE	3	NW	3	10	8	0.206	4.8	52	≡ till 1p., then fine.
M.	29.571	29.570	55.2	53.6	60.5	50.4	2.2	1.3	376	376	86	91	3.3	2.5	7.3	6.7	5.036	172	47.8			

SHREWSBURY, SHROPSHIRE.—JULY 1909.

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.	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.	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	ins.	hrs.	°	Fine bright day.
2	29.99	29.99	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	41	Fine bright day.
3	30.00	30.00	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	43	Dull and very close.
4	29.88	29.88	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	52	Dull day.
5	78	86	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	55	Dull. ☉ shower 4p. and n.
6	86	86	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	55	Overcast most of day.
7	41	28	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	55	☉ showers.
8	42	58	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	50	Bright after 11a.
9	77	47	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	42	Dull and close. ☉ p.
10	49	57	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	52	Sunny intervals.
11	65	74	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	47	Sunny intervals.
12	86	85	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	45	Bright day.
13	84	84	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	51	Bright after 10a.
14	87	88	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	50	Bright till afternoon.
15	86	82	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	52	Cloudy day. ☉ from 11p.
16	80	66	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	56	☉ showers a. Overcast.
17	29.88	29.88	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	55	Cloudy and close.
18	30.06	30.06	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	57	Fine and very close.
19	30.01	29.81	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	46	Fine bright day.
20	29.62	29.57	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	55	Bright a., then cloudy.
21	52	40	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	46	☉ n. Cloudy and close.
22	46	37	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	56	Overcast. ☉ noon and p.
23	37	46	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	54	Gusty, with ☉ showers.
24	21	18	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	47	☉ n. Bright afternoon.
25	35	57	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	50	☉ showers.
26	65	48	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	49	☉ 6a. ☉ showers.
27	69	76	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	45	Steady ☉ all day.
28	69	60	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	49	Fine bright day.
29	57	67	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	51	Cloudy. ☉ 5p.
30	29.59	29.78	56.8	54.0	66.0	42.1	6.6	1.3	28.9	38.0	63	91	NNE 2-3	SSW 1	7	2	—	—	48	☉ 7a.-9.30a. Cloudy.
31	M.	29.693	29.682	60.0	57.4	66.7	51.9	4.7	2.9	38.0	38.9	73	82	2.9	1.8	7.5	7.1	2.285	49.8	☉ 8a.-9.15a., then bright.

CAMBRIDGE, a.—JULY 1909.

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	30.11	30.19	55.6	51.5	64.0	48.4	3.9	1.6	337	339	76	89	NW	4	N	3	9	0	—	7.1	43	Overcast till noon.	
2	21	30.16	56.6	50.5	71.0	47.9	4.5	2.5	335	429	73	85	NW	2	SSE	3	7	7	—	12.5	38	Fine and sunny.	
3	30.10	29.97	63.8	63.4	73.2	49.5	5.3	3.4	420	469	71	80	SW	3	SW	3-4	5	9	03	9.9	42	Fine and sunny.	
4	29.91	30.00	64.0	65.4	68.9	56.2	5.0	3.3	431	362	72	80	W	4	W	2	10	0	—	4.9	56	Sunny intervals p.	
5	30.02	29.85	61.1	59.0	68.4	45.0	4.2	4.0	406	380	76	76	SW	2-3	SW	1	10	10	05	0.5	37	Overcast.	
6	29.59	29.84	62.1	52.0	63.9	51.5	5.7	0.8	382	366	69	94	SW	5	Calm	0	7	100 ⁰	24	3.0	50	☉ in past n. ☉ p.	
7	48	66	57.0	54.0	62.0	51.0	3.4	1.0	367	388	79	93	W	5	W	2	90 ⁰	21	2.5	47	☉ at intervals.		
8	82	94	57.9	57.9	67.0	49.6	5.9	3.5	319	379	66	78	W	6-7	NW	2	9	9	—	5.0	47	☉ 6a. Sunny from 1p.	
9	94	97	61.9	61.7	73.0	49.9	5.4	3.5	387	437	70	79	W	5	SW	5	5	10	42	1.7	43	Fine and sunny.	
10	53	68	57.7	51.6	62.2	51.5	2.7	0.6	397	366	83	96	W	4	Calm	0	9	8	17	2.3	52	☉ a. T noon.	
11	75	29.84	54.8	50.5	57.9	48.5	3.1	0.7	345	350	80	95	W	2	WNW	4-5	100 ⁰	100 ⁰	16	1.0	41	Overcast, with ☉.	
12	29.98	30.01	52.3	51.0	62.5	50.0	2.3	0.9	331	351	84	94	NNW	4	Calm	0	10	0	—	5.0	47	Sunny 2p. - 7p.	
13	30.01	30.00	63.0	60.0	72.0	48.0	5.0	1.0	414	485	72	94	W	1	Calm	0	7	9	01	5.1	40	Sunny 9a. - 1p. ☉ 1.30p.	
14	05	30.03	61.3	61.1	73.0	55.0	3.2	2.2	438	466	81	86	W	2	SW	2	9	3	—	7.1	48	Fine and sunny from 9a.	
15	30.04	29.98	65.2	61.1	71.9	54.2	5.9	2.8	425	447	69	83	SW	3	SW	2	5	7	32	8.6	47	Fine and sunny.	
16	29.79	29.82	57.7	62.1	65.1	53.0	0.7	1.9	455	493	95	88	SSW	4-5	W	2-3	100 ⁰	8	05	—	50	☉ showers 1a. - noon.	
17	29.96	30.07	68.5	66.0	76.9	58.5	6.4	4.8	466	470	67	74	SW	5	W	1	5	10	10.8	51	50	Fine and sunny.	
18	30.09	30.12	67.0	64.0	75.0	60.0	5.8	1.0	459	360	69	94	SW	5	SW	1	8	9	02	7.5	54	Fine and sunny. ☉ 8p.	
19	19	21	65.4	57.5	69.3	49.9	9.4	5.3	338	327	54	69	NW	3	NW	3	8	10	13.4	42	50	Sunny 5a. - 7p.	
20	30.19	30.01	63.0	58.6	73.0	46.0	7.5	3.6	349	385	61	78	W	4	S	2	7	2	02	12.3	39	Fine and sunny.	
21	29.84	29.74	61.0	62.5	71.0	54.0	2.6	4.7	451	415	84	73	SW	5	SW	4	100 ⁰	10	—	5.0	47	☉ 6a. Fine and sunny from 1p.	
22	72	63	63.0	62.1	70.0	56.0	5.0	4.1	414	426	72	76	SW	4	SW	6	10	0	—	2.0	50	Overcast.	
23	69	60	60.0	54.1	67.0	51.5	7.2	2.3	317	354	61	84	SW	5	SW	4	3	0	—	11.5	43	Fine and sunny.	
24	60	69	60.0	54.9	67.5	47.9	6.6	4.1	330	322	64	75	SW	6-7	SW	3-4	5	0	13.3	39	50	Fine and sunny.	
25	53	36	60.0	55.2	64.2	50.0	4.0	1.2	395	401	76	92	S	4	S	4	9	9	03	2.8	39	☉ 1.30p. - 3p.	
26	53	76	60.8	53.4	67.0	50.9	7.6	2.4	318	342	60	84	SW	7	SW	3	3	0	14.0	42	50	Fine and sunny.	
27	89	70	62.5	56.8	64.0	47.0	6.9	0.8	357	437	63	94	S	4	SE	5	7	100 ⁰	57	4.3	36	☉ 1p. - 9p.	
28	76	93	57.7	51.5	67.0	51.5	3.0	1.5	390	341	81	89	NW	5	Calm	0	10	2	—	7.8	51	☉ n. Sunny from 9a.	
29	84	73	60.4	59.2	68.2	50.9	3.6	4.2	412	378	79	75	SW	4	WSW	5	10	2	05	2.8	39	Overcast most of day.	
30	75	85	56.1	54.9	68.0	54.9	1.1	1.9	418	376	92	88	W	2	W	1	100 ⁰	10	2	6.2	48	☉ 7a. - noon.	
31	29.83	29.91	66.6	59.5	72.2	49.9	4.7	1.4	486	463	75	92	SW	5	W	4	8	10	—	4.3	39	50	Sunny intervals.
M.	29.862	29.855	60.8	57.5	68.3	51.2	4.8	2.5	390	403	73	85	4.1	2.5	7.9	6.6	2.60	204	44.7				

SOUTHAMPTON, HAMPSHIRE, a.—JULY 1909.

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 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.			
1	ins.	ins.	58.1	55.1	63.5	46.8	5.6	2.1	329	374	68	86	NE	3	NE	1	0	—	hrs.	°	Δ a. and p. Fine and sunny.		
2	30.11	30.15	58.1	55.1	63.5	46.8	5.6	2.1	329	374	68	86	NE	3	NE	1	0	—	10.8	42	Δ a. and p. Fine and sunny.		
3	30.12	30.15	59.4	56.6	66.3	50.9	7.5	1.0	302	479	60	94	SW	3	SW	4	10	10	18.0	6.6	Δ a. and p. Fine and sunny.		
4	29.92	30.00	63.3	61.0	71.9	58.8	2.0	4.9	512	386	88	73	NW	1	N	2	10	1	—	6.1	56	5 a. - 7 a. Fine day.	
5	30.02	29.87	64.0	57.2	68.3	52.7	0.7	2.2	571	403	96	86	SW	2	SW	2	5	10	0.55	5.7	49	Fine day. ~ 8.30 p.	
6	29.62	29.44	59.1	53.1	61.0	52.9	3.0	0.7	409	385	82	95	SW	2	NW	2	10	10	1.40	4.4	52	11.30 a. - 5.30 p.	
7	54	71	58.0	56.4	64.9	52.0	4.1	2.3	365	388	76	86	NW	4	NW	3	10	8	0.80	4.9	50	2 shower 1 p. 5.30 p.	
8	58	77	61.2	58.8	69.9	53.0	4.6	4.0	397	378	74	76	NW	4	NW	2	10	0	—	11.3	49	Fine and sunny. Δ p.	
9	59	73	63.9	57.2	71.9	47.9	5.9	0.2	404	462	67	99	NW	2	SW	4	0	100	—	10.8	42	Fine and sunny. Δ 8 p. - 11 p.	
10	58	69	60.4	55.0	61.6	54.0	4.3	3.0	393	349	75	81	NW	3	NW	2	7	2	18.0	7.1	50	7 11 a. and 2 p. showers till 3 p.	
11	59	79	59.8	52.2	65.0	49.0	5.7	1.2	349	358	68	92	NW	4	NW	2	5	10	0.30	4.9	45	showers.	
12	29.99	30.01	57.2	57.2	65.0	51.2	4.6	2.7	339	389	72	83	NW	2	NW	2	10	1	—	1.0	48	Fine, but cloudy.	
13	30.04	30.05	63.2	59.1	69.5	50.4	3.8	0.2	453	496	78	98	SW	3	SW	2	1	10	6.20	3.7	47	2 3.30 p. 4.30 p. - 7.30 p.	
14	30.08	30.08	61.2	60.6	68.9	55.6	1.9	2.8	477	439	89	84	SW	3	NW	2	10	10	0.50	6.4	55	Fine but close.	
15	30.06	30.02	61.0	58.9	68.5	56.1	3.0	3.8	439	384	82	77	SW	2	NW	1	10	10	0.60	4.0	55	showers n. Fine day.	
16	29.87	29.87	61.2	62.2	67.8	54.9	2.2	1.9	467	494	87	89	SW	4	NW	2	10	10	0.05	4.4	54	11 a. - noon. Dull.	
17	30.00	30.11	64.0	64.0	70.7	60.3	2.9	3.0	495	492	83	82	NW	2	NW	1	10	7	—	2.2	60	Fine, but cloudy	
18	14	15	67.0	61.6	74.2	59.5	6.1	1.5	450	496	68	91	NW	3	SW	2	5	1	—	10.2	57	Fine. Δ p.	
19	19	20	67.9	61.4	74.9	59.7	7.5	5.5	426	377	62	70	NW	2	NW	2	1	0	—	10.9	56	Δ a. and p. Sunny and warm.	
20	30.21	30.04	66.0	60.2	73.2	49.7	8.3	2.2	373	450	59	87	W	2	SW	2	1	1	—	13.4	45	Δ a. and p. Sunny and warm.	
21	29.88	29.79	62.7	60.2	66.9	54.0	3.9	2.7	441	435	77	84	SW	2	NW	3	10	10	—	0.6	51	Dull.	
22	77	69	61.7	60.0	66.3	56.4	4.6	1.5	405	409	74	91	SW	4	SW	5	10	10	—	3.0	55	Sunny intervals.	
23	71	65	63.7	56.9	65.7	54.7	8.7	3.3	331	368	56	80	SW	4	SW	3	1	5	—	9.9	52	Δ a. Fine.	
24	68	73	61.2	55.9	65.8	52.9	6.6	1.9	346	392	64	88	SW	5	SW	4	4	0	0.10	12.9	50	0 showers noon and 3 p.	
25	48	45	61.0	54.5	62.6	54.1	3.0	3.0	439	342	82	80	SW	5	SW	4	10	0	1.10	3.7	50	11 a. - 1 p.	
26	60	54	59.7	54.4	64.6	52.4	5.3	1.0	357	395	69	94	SW	3	SW	3	6	0	1.10	5.7	49	showers from 5 p. ~ 8 p.	
27	86	67	59.0	58.7	59.9	50.2	3.1	0.6	404	475	81	97	SW	3	SW	4	10	100	1.080	—	46	noon - 10 p.	
28	80	66	60.5	56.9	70.3	56.0	4.3	5.1	395	343	75	69	N	3	NW	3	4	0	—	10.8	51	0 a. - 4 a. Fine day.	
29	90	81	62.0	58.9	70.7	54.1	4.6	1.8	410	440	74	89	NW	4	SW	4	10	4	—	3.3	49	Fine.	
30	77	88	61.0	61.0	70.0	58.3	1.1	2.9	500	442	93	83	SW	4	NW	3	10	0	—	3.7	56	Fine p.	
31	29.90	29.94	66.9	62.0	72.0	58.8	5.0	2.7	483	465	73	84	W	4	NW	3	8	0	—	9.6	56	Fine. Strong breeze midday.	
M.	29.893	29.888	61.7	58.3	67.8	53.7	4.4	2.3	414	417	75	86	3.0	2.6	6.7	4.8	2.710	192	50.5				

PLYMOUTH, DEVONSHIRE, a.—JULY 1909.

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	30.07	30.15	61.6	57.6	68.2	52.7	8.4	1.4	310	432	57	90	S	5	—	0	1	4	—	13.8	48	Very fine.
2	17	30.15	60.9	57.4	64.9	51.3	2.9	1.3	440	432	83	92	S	4	—	0	0	2	—	9.7	52	Fine.
3	30.09	29.98	58.6	59.9	65.6	53.7	2.0	1.7	431	461	88	90	SW	6	W	9	10	10	—	0.2	46	Dull.
4	29.95	30.00	61.2	61.8	66.0	53.7	6.0	7.2	359	339	67	62	N	12	NNW	5	9	5	—	7.6	45	Fine.
5	30.03	29.87	59.6	57.4	64.6	51.2	1.8	0.6	453	454	89	97	—	3	SW	14	4	10	—	1.1	49	Dull.
6	29.63	29.49	59.6	58.0	60.4	53.6	0.0	1.8	427	427	100	88	SW	10	NW	9	10	6	—	1.2	53	Δ a.
7	65	29.82	57.8	58.8	62.4	54.1	1.5	3.6	433	389	90	78	NW	17	NNW	7	8	3	—	7.6	50	Fine.
8	29.97	30.00	58.2	56.6	64.6	55.3	3.0	1.6	380	411	78	89	NNW	16	N	12	4	3	—	10.6	54	Fine.
9	30.03	29.73	59.6	56.6	66.6	51.9	2.4	0.0	434	459	85	100	WNW	9	SW	18	8	10	—	4.6	45	Fine Δ.
10	29.67	29.78	56.0	56.8	60.8	51.0	0.4	2.6	437	386	97	83	NW	13	NNW	12	5	4	—	0.2	46	Fine.
11	29.86	29.89	57.7	58.8	68.9	53.6	1.9	5.2	420	345	88	70	NNW	11	NNW	8	10	6	—	4.4	48	Fine.
12	30.00	30.04	59.6	55.8	66.6	48.8	4.8	4.1	369	336	72	75	N	9	—	3	3	1	—	13.6	45	Very fine.
13	04	03	58.0	58.4	63.8	53.0	0.6	5.8	463	326	66	67	—	0	SW	7	10	8	—	1.4	46	Fine.
14	09	13	57.6	58.0	62.0	50.2	1.0	1.4	445	439	93	91	—	3	—	2	10	10	—	—	48	Overcast all day.
15	30.13	30.07	59.7	63.3	70.4	55.7	3.5	7.1	405	361	79	63	W	4	NW	7	10	8	—	0.1	53	Fine.
16	29.93	29.91	60.2	60.6	67.2	57.0	1.3	3.2	479	427	92	81	W	7	W	13	10	10	—	—	55	Dull.
17	30.04	30.09	62.6	59.6	67.6	59.2	1.6	5.4	512	351	90	69	NW	9	NW	6	10	10	—	—	55	Dull.
18	17	15	66.0	65.3	70.1	56.8	9.8	3.5	338	500	53	80	W	5	—	0	4	7	—	8.1	53	Fine.
19	19	24	65.4	67.9	73.9	57.2	6.4	3.9	413	364	66	77	N	6	N	6	4	0	—	11.4	58	Very fine.
20	30.24	30.11	64.6	60.9	73.9	51.9	5.6	2.9	423	440	70	83	—	0	NW	5	1	10	—	13.1	44	Very fine.
21	29.91	29.82	59.4	59.0	67.9	57.0	1.9	2.6	447	419	89	84	SW	10	SW	8	10	10	—	0.2	53	Dull.
22	77	69	60.2	59.3	65.2	56.4	2.4	1.3	444	463	86	92	SW	12	WNW	11	9	7	—	0.4	12	Dull.
23	71	65	61.6	56.6	65.1	53.3	3.1	3.7	448	355	82	77	SW	12	W	12	2	3	—	0.4	10	Fine.
24	71	67	60.3	61.2	67.2	53.7	5.9	5.2	351	381	67	71	SW	18	SW	12	7	2	—	4.7	11.7	Fine.
25	34	43	57.6	58.6	64.1	53.9	0.8	5.4	451	340	95	69	SW	16	W	9	10	8	—	0.6	63	Fine.
26	62	81	55.3	57.0	63.6	53.2	1.3	2.9	399	380	91	82	SW	10	WSW	8	10	9	—	0.7	61	Δ at times.
27	74	29.61	57.0	57.6	64.2	53.2	0.0	0.1	465	473	100	100	SE	23	SSW	9	10	10	—	1.78	51	Δ all day.
28	89	30.04	56.6	58.6	65.5	51.3	2.3	4.0	391	375	85	76	N	15	WNW	10	2	10	—	0.1	12.3	Fine.
29	95	29.91	64.0	56.2	69.8	56.0	6.6	0.3	387	443	65	98	NW	12	SW	15	3	10	—	0.2	9.7	Fine.
30	82	89	59.4	60.0	67.6	56.2	0.6	1.3	487	475	97	92	SW	14	WNW	5	10	10	—	—	52	Dull.
31	29.91	29.99	64.4	64.8	67.1	58.2	3.0	6.0	499	415	82	68	W	17	—	3	10	1	—	6.0	53	Fine.
M.	29.914	29.907	59.8	59.0	66.3	54.0	3.0	3.1	424	406	83	82	10	8	6.9	6.7	3.73	194	50.8			

* Miles per hour.

† Beaufort Scale (0—12).

ARMAGH, a.—JULY 1909.

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.		
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DUBLIN (PHENIX PARK), a.—JULY 1909.

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.				
	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.	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	hrs.	38	Fine and sunny. T ^h 2.30p.—3.15p. Cloudy. Cloudy. ● p. Cloudy. Fine. Fine. T ^h 1.15a.—4.30p. T ^h ▲ showers. Fine. Cloudy. Overcast. Overcast. ● p. Overcast. Cloudy. ● a. Cloudy. Fine. Cloudy. ● a. Cloudy. ● early a. — p. Cloudy. ● 2a.—7a. Cloudy. ● 9a.—3.30p. ● p. Overcast. ● p. ● p. ● 2 n. and a.
2	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
3	29.99	29.96	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
4	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
5	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
6	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
7	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
8	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
9	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
10	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
11	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
12	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
13	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
14	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
15	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
16	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
17	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
18	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
19	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
20	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
21	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
22	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
23	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
24	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
25	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
26	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
27	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
28	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
29	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
30	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
31	30.05	30.04	61.3	53.5	61.8	44.3	4.9	2.7	391	336	72	82	E	6	E	5	0	8	ins.	10.8	38	
M.	29.745	29.754	59.2	56.4	64.7	51.1	3.2	1.8	409	405	81	88	8	6	7.9	7.3	2.800	152	47.4			

BIRR CASTLE, KING'S COUNTY, a.b.—JULY 1909.

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, +0.21 in.

1	30°00	29°97	64°3	60°7	73°7	46°0	4°4	3°6	454	417	76	79	Calm	0	Calm	0	3	10	—	9°4	—	Fine and warm.	
2	29°94	29°94	63°7	58°7	67°8	55°8	3°7	1°6	405	443	78	90	SSW	2	WSW	4	10	10	010	2°3	—	Cloudy.	
3	30°02	29°99	64°1	57°7	65°6	55°0	2°0	2°7	527	397	88	83	SW	3	W	3	10	10	125	0°1	—	● showers.	
4	30°08	29°92	57°5	55°0	60°7	51°8	3°6	1°9	369	378	78	88	WNW	2	SSW	2	10	10	003	0°5	—	Cloudy.	
5	30°16	29°51	58°7	55°0	62°7	51°9	2°7	1°1	411	400	83	92	SW	4	SSW	2	10	10	040	3°0	—	● showers.	
6	30°24	29°42	57°4	57°4	59°7	52°0	2°8	1°2	395	384	82	91	WSW	3	WNW	3	10	10	069	2°6	—	● showers.	
7	30°32	29°55	59°4	54°9	62°1	48°2	5°4	2°2	350	370	60	86	W	4	WNW	4	4	10	—	8°5	—	—	
8	30°40	29°57	58°7	56°7	58°7	49°6	2°8	2°6	378	414	82	84	W	3	W	2	10	10	030	7°8	—	—	
9	30°48	29°60	58°6	54°7	59°8	52°7	1°2	1°0	454	400	93	94	WSW	2	W	4	10	10	414	0°8	—	Overcast, with ●.	
10	30°56	29°68	59°0	53°7	60°6	48°6	5°0	2°8	354	337	71	81	WNW	5	NW	3	7	10	244	10°3	—	● showers.	
11	31°04	29°53	57°5	52°7	62°6	48°7	4°0	1°8	359	349	76	88	WNW	4	NNW	1	8	6	—	7°0	—	—	
12	31°12	29°56	58°8	55°8	59°8	65°6	41°0	2°9	1°9	365	454	81	88	W	1	Calm	0	10	10	—	2°5	—	Cloudy.
13	31°20	30°04	58°9	61°6	56°9	63°9	51°2	2°7	2°9	460	378	84	82	SW	2	SW	2	10	8	—	3°0	—	Cloudy.
14	31°28	30°12	58°9	58°9	57°0	62°9	52°6	3°2	2°1	401	402	80	86	SW	2	SW	3	8	10	010	0°2	—	● showers.
15	31°36	30°17	59°0	59°0	58°8	62°8	51°7	4°6	1°0	378	465	73	94	SW	2	SW	4	9	10	017	1°5	—	● showers.
16	31°44	30°26	59°0	60°3	58°3	63°7	55°4	0°6	2°1	503	423	96	86	WSW	4	W	2	10	10	—	—	—	Overcast.
17	31°52	30°34	58°9	60°8	60°7	64°7	53°7	3°5	1°6	422	477	80	91	SW	2	SW	3	9	10	010	1°0	—	Cloudy and overcast.
18	32°00	30°42	60°7	62°7	57°7	64°6	55°8	1°8	1°9	508	420	89	88	SW	3	NW	1	10	7	024	4°6	—	● showers.
19	32°08	30°50	60°7	60°7	54°6	65°7	47°1	5°9	1°7	347	378	67	89	W	3	Calm	0	2	4	003	12°7	—	—
20	32°16	30°58	62°1	60°5	66°7	50°7	2°2	1°6	483	475	86	90	SSW	2	WSW	6	10	10	070	1°4	—	● showers.	
21	32°24	30°66	59°7	56°6	60°7	54°6	2°8	1°8	425	405	83	88	W	3	W	3	10	10	108	0°5	—	● showers.	
22	32°32	30°74	55°7	56°7	63°7	54°2	0°8	3°7	422	355	95	77	S	2	WSW	2	10	8	021	4°1	—	● showers.	
23	32°40	30°82	55°8	51°8	60°0	47°1	3°6	1°9	347	330	77	87	SW	3	WSW	4	8	7	220	10°6	—	● showers.	
24	32°48	30°90	56°7	55°0	61°8	48°9	4°7	1°1	331	400	71	92	WSW	5	SW	2	8	10	006	7°4	—	● showers.	
25	32°56	30°98	54°5	53°3	59°5	50°1	2°5	2°4	354	341	83	83	NW	4	WSW	3	10	9	067	3°3	—	● showers.	
26	33°04	30°06	57°3	52°7	62°6	47°8	4°0	2°8	356	325	76	81	NW	3	NW	2	7	9	012	9°7	—	—	
27	33°12	30°14	58°1	56°7	62°8	45°9	3°3	3°0	387	373	79	81	SSE	3	NNE	2	10	8	—	2°4	—	—	
28	33°20	30°22	57°4	56°7	59°5	41°9	4°5	1°8	345	406	73	88	SW	2	SW	2	4	10	050	3°5	—	—	
29	33°28	30°30	57°8	54°7	59°6	53°0	1°1	1°8	446	377	93	88	SW	3	SW	1	10	10	151	0°2	—	Overcast, with ●.	
30	33°36	30°38	58°7	56°7	64°5	52°0	1°9	1°8	435	406	88	88	WSW	1	WSW	1	10	10	216	3°5	—	● showers.	
31	33°44	30°46	61°7	57°1	65°7	55°8	1°7	1°0	492	436	90	93	WNW	2	NW	1	10	10	054	1°4	—	Cloudy.	
M.	29°731	29°744	59°1	56°4	63°3	50°7	3°1	2°0	410	397	81	87	2°7	2°3	8°6	9°2	1°974	126	—	—	—	—	—

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JULY 1909.

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.	gh.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	gh.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	hr. min.	
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.			
2	8, 5	11, 8	14, 12	23	32, 12	32, 11	5, 5	3	32, 17	2	30, 12	30, 14	29, 11	30, 9	—	32	12. 45	
3	14, 12	—	3	13, 15	18, 7	15, 11	20, 10	21, 8	20, 17	16	19, 8	19, 12	16, 9	17, 9	—	22	7. 30	
4	16, 5	—	3	25, 10	20, 12	22, 17	20, 15	21, 11	21, 18	14	27, 7	1, 9	—	2	—	18	15. 15	
5	24, 11	13, 12	16, 13	12	27, 12	9, 4	24, 10	26, 5	21, 15	17	3, 6	10, 6	21, 7	18, 7	—	16	11. 35	
6	28, 20	27, 15	28, 25	11, 18	24, 7	20, 11	21, 14	16, 11	21, 9	7, 8	20, 11	23, 7	—	2	—	22	9. 20	
7	1, 16	32, 18	1, 21	12	24, 7	23, 8	27, 6	28, 4	24, 20	16	29, 10	30, 11	28, 9	28, 7	—	27	14. 0	
8	28, 20	27, 15	28, 25	11	30, 11	29, 9	32, 18	31, 15	32, 22	8, 9	28, 12	28, 15	28, 12	—	—	44	14. 0	
9	16, 7	24, 7	26, 20	23	32, 22	32, 20	32, 15	32, 7	32, 12	16, 17	27, 12	24, 11	21, 8	20, 5	—	26	1. 5	
10	28, 28	29, 21	28, 31	11	24, 10	23, 6	21, 12	25, 6	21, 12	17, 18	29, 10	28, 12	28, 9	27, 6	—	29	5. 10	
11	29, 21	30, 17	29, 30, 21	10, 11, 13	31, 12	1, 9	32, 14	31, 6	32, 14	15	26, 17	26, 18	28, 13	29, 12	—	34	12. 35	
12	17, 10	16, 9	17, 16, 10	13, 14, 16	24, 6	7, 7	13, 6	25, 10	32, 17	3	30, 11	30, 12	29, 7	—	3	32	9. 45	
13	28, 8	20, 5	25, 15	4	1, 10	7, 7	13, 6	25, 10	32, 12	17, 18	24, 7	16, 4	20, 5	22, 7	—	18	20. 15	
14	23, 26	23, 18	23, 20	9	24, 6	20, 10	23, 12	27, 7	24, 13	11, 12	23, 7	22, 10	—	—	—	22	13. 30	
15	22, 9	14, 11	23, 13	15	23, 12	24, 10	23, 11	23, 5	20, 15	23	22, 7	22, 9	—	2	26, 4	—	25	7. 20
16	23, 18	23, 24	24, 20	9	27, 10	24, 10	24, 10	23, 8	20, 17	9	21, 12	21, 12	24, 14	24, 8	—	21	9. 55	
17	24, 35	23, 25	23, 39	13	27, 17	20, 15	25, 13	23, 9	27, 10	15	20, 12	25, 12	10, 5	11, 4	—	21	11. 5	
18	24, 24	24, 23	24, 27	13	26, 14	24, 13	24, 11	23, 11	24, 18	7	22, 12	24, 13	24, 7	—	2	18	11. 15	
19	26, 27	24, 16	26, 27	13	23, 10	26, 10	26, 12	24, 7	26, 17	14	26, 7	26, 10	1, 4	—	3	—	17	7. 55
20	14, 22	22, 18	14, 22	13	24, 15	26, 16	27, 13	26, 8	26, 19	19	27, 7	5, 7	22, 5	20, 5	—	27	15. 5	
21	24, 28	24, 22	24, 28	13	24, 10	24, 12	21, 18	22, 16	22, 17	2	21, 12	22, 15	22, 12	27, 6	—	27	15. 5	
22	14, 12	12, 15	24, 16	8	24, 16	23, 14	24, 17	23, 10	23, 19	16	22, 11	22, 9	21, 10	19, 9	—	28	23. 15	
23	16, 15	17, 12	16, 16	14, 15	23, 10	20, 15	20, 21	19, 11	20, 23	15	22, 14	22, 12	20, 9	20, 11	—	26	11. 50	
24	7, 5	2, 8	6, 9	1	22, 10	21, 22	20, 20	15, 12	21, 24	13, 16	21, 19	17, 21	15, 11	16, 13	17, 10	—	40	11. 30
25	6, 7	6, 8	3, 12	12	22, 20	25, 21	24, 16	13, 12	12, 21	15, 16, 17	15, 18	15, 15	15, 15	17, 10	—	37	12. 30	
26	1, 23	29, 17	32, 24	1	10, 8	12, 16	17, 11	15, 12	24, 16	7	21, 18	23, 18	25, 10	24, 6	—	33	9. 5	
27	—	2	28, 10	16, 17	25, 12	26, 12	25, 10	26, 6	12, 11	15	21, 10	22, 11	18, 7	14, 17	—	33	23. 20	
28	—	2	28, 10	14, 15	26, 6	11, 7	11, 7	10, 4	12, 10	8	29, 14	28, 11	—	3	—	34	9. 45	
29	9, 11	9, 5	8, 12	6, 7	1, 7	1, 7	8, 5	17, 4	32, 10	10, 11, 13, 14, 15	22, 9	24, 13	21, 7	22, 11	—	24	13. 40	
30	6, 6	1, 7	7, 6	11, 12, 13	25, 12	24, 14	24, 8	23, 4	20, 24	11	25, 12	24, 10	25, 5	25, 5	—	26	0. 30	
31	7, 6	—	7, 6		27, 7	—	28, 4	26, 7	26, 10	12, 13	16, 7	20, 12	24, 11	32, 10	—	28	13. 15	
32	7, 6	—	7, 6		24, 4	9, 7	4, 4	7, 4	10, 9, 7									

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 140 ft., M.S.L. 271 ft.					Height of Head above—Ground 82 ft., M.S.L. 164 ft. Height of Cops above—Ground 19 ft., M.S.L. 160 ft.								
Date.	13h.	18h.	Max. in a Gust.	Time of Gust.	gh.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	gh.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	hr. min.	
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	—	14	—	17	11. 10	—	22	—	22	—	14	—	28	7	20, 7	—	19	14. 35
3	—	7	—	9	13. 5	—	17	—	13	—	6	—	16	8	18, 7	—	13	22. 25
4	—	12	—	22	8. 30	—	9	—	16	—	16	—	23	7	20, 11	—	18	18. 30
5	—	11	—	24	21. 55	—	3	—	2	—	8	—	15	2	23, 10	—	28	12. 10
6	—	8	—	25	17. 5	—	4	—	3	—	11	—	20	11	28, 19	—	36	17. 25
7	—	18	—	34	11. 30	—	16	—	23	—	11	—	29	29	28, 28	—	42	23. 10
8	—	17	—	37	15. 40	—	10	—	19	—	10	—	30	30	28, 28	—	49	23. 15
9	—	15	—	25	21. 45	—	12	—	15	—	10	—	29	29	28, 28	—	43	0. 15
10	—	18	—	39	14. 55	—	16	—	21	—	8	—	30	10	28, 18	—	32	20. 15
11	—	14	—	31	17. 40	—	29	—	21	—	16	—	26, 17	24, 15	24, 20	—	54	11. 15
12	—	10	—	23	7. 50	—	12	—	15	—	10	—	28, 27	28, 30	28, 27	—	40	2. 50
13	—	7	—	16	19. 55	—	15	—	18	—	13	—	29, 20	30, 21	30, 20	—	25	0. 25
14	—	7	—	11	13. 0	—	20	—	23	—	1	—	32, 5	29, 10	27, 8	—	20	17. 20
15	—	9	—	16	15. 20	—	19	—	18	—	7	—	24, 10	24, 11	24, 15	—	18	0. 30
16	—	8	—	27	18. 10	—	4	—	20	—	12	—	26, 10	24, 9	24, 7	—	20	2. 45
17	—	7	—	19	0. 5	—	15	—	18	—	10	—	28, 9	26, 12	25, 13	—	35	11. 10
18	—	9	—	16	14. 5	—	5	—	30	—	10	—	25, 20	25, 23	25, 21	—	24	9. 40
19	—	10	—	23	15. 55	—	22	—	14	—	11	—	26, 15	27, 15	27, 16	—	20	5. 15
20	—	9	—	17	15. 10	—	7	—	22	—	0	—	25, 9	24, 9	27, 12	—	25	14. 45
21	—	14	—	25	10. 35	—	10	—	11	—	24	—	32, 14	1, 14	30, 14	—	17	23. 10
22	—	17	—	29	14. 5	—	11	—	7	—	29	—	30, 5	25, 6	24, 7	—	20	23. 15
23	—	18	—	31	17. 45	—	19	—	15	—	34	—	27, 17	17, 14	26, 14	—	35	16. 30
24	—	18	—	30	12. 30	—	20	—	21	—	43	—	24, 19	23, 17	25, 18	—	42	9. 10
25	—	13	—	40	7. 25	—	21	—	22	—	30	—	24, 18	24, 20	25, 23	—	48	0. 10
26	—	12	—	25	15. 5	—	11	—	23	—	44	—	25, 20	24, 18	18, 10	—	52	2. 55
27	—	25	—	39	11. 45	—	27	—	31	—	36	—	24, 27	27, 26	23, 20	—	37	5. 10
28	—	12	—	30	12. 30	—	24	—	15	—	40	—	25, 20	25, 18	22, 10	—	48	7. 5
29	—	15	—	33	11. 45	—	16	—	18	—	25	—	15, 27	20, 18	24, 7	—	42	0. 5
30	—	12	—	25	15. 5	—	27	—	10	—	39	—	39, 9	26, 10	23, 15	—	30	18. 50
31	—	15	—	30	18. 15	—	14	—	16	—	21	—	26, 14	24, 18	23, 22	—	31	4. 0
32	—	12	—	25	12. 20	—	27	—	7	—	28	—	24, 20	24, 19	23, 16	—	32	20. 25
33	—	17	—	35	10. 20	—	10	—	25	—	15, 45	—	22, 21	24, 21	25, 13	—	32	11. 15

... are numbered 1h to 24h. Time is referred

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. 63 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	— 2	— 3	2, 4	8, 9	32, 4	2, 8	5, 7	12, 5	— 17	14. 30	6, 12	2, 10	1, 8	— 3	— 18	7. 5
2	18, 8	25, 7	18, 9	14	15, 11	24, 6	25, 11	23, 13	— 21	21. 20	18, 14	18, 16	19, 16	18, 14	— 26	18. 30
3	22, 7	20, 10	20, 14	16	21, 14	22, 12	19, 16	22, 18	— 33	19. 25	18, 18	20, 20	20, 18	21, 13	— 30	17. 50
4	26, 11	24, 8	26, 15	14	26, 20	25, 19	25, 15	25, 12	— 26	9. 45	27, 12	25, 13	22, 10	24, 12	— 22	5. 45
5	22, 8	20, 7	23, 11	11	22, 14	21, 15	18, 12	16, 11	— 26	21. 50	20, 14	19, 21	18, 18	21, 11	— 32	19. 15
6	23, 11	25, 9	23, 11	12, 13	23, 20	24, 18	26, 17	27, 18	— 30	23. 40	22, 17	23, 14	24, 12	28, 14	— 27	23. 35
7	26, 11	29, 8	27, 12	11	28, 24	28, 27	29, 29	29, 18	— 41	17. 30	27, 24	27, 24	28, 26	31, 21	— 36	17. 30
8	27, 11	27, 12	26, 16	15	29, 24	28, 26	28, 29	27, 28	— 37	18. 45	28, 22	29, 13	31, 5	24, 4	— 34	7. 15
9	22, 10	22, 7	22, 11	12, 19	25, 19	22, 10	23, 18	26, 21	— 35	0. 5	22, 11	17, 20	24, 23	24, 16	— 32	17. 25
10	26, 15	26, 6	26, 15	13	29, 24	28, 27	28, 28	29, 27	— 35	3. 55	28, 21	28, 17	28, 12	28, 18	— 36	23. 0
11	28, 9	32, 7	28, 10	9	29, 26	29, 28	28, 28	30, 9	— 36	1. 50	28, 21	28, 21	31, 21	31, 22	— 35	1. 55
12	25, 9	24, 10	24, 10	16	— 3	26, 17	24, 15	24, 15	— 21	17. 25	30, 10	26, 8	19, 12	19, 12	— 24	0. 5
13	22, 10	23, 12	23, 12	18	20, 14	23, 15	23, 16	23, 13	— 21	13. 50	21, 12	21, 13	19, 11	19, 9	— 22	23. 55
14	23, 12	22, 7	23, 13	12, 14	23, 23	23, 21	23, 20	22, 18	— 30	9. 15	20, 10	19, 13	19, 12	19, 10	— 28	3. 20
15	23, 10	22, 9	22, 12	16	26, 9	25, 17	22, 16	19, 12	— 24	19. 30	24, 15	22, 12	19, 12	20, 12	— 29	23. 45
16	23, 12	24, 12	23, 16	8	24, 31	24, 26	24, 22	24, 20	— 45	5. 45	23, 18	22, 15	24, 14	24, 10	— 36	2. 40
17	24, 11	23, 9	24, 12	9, 11, 12, 14	25, 19	25, 19	24, 10	19, 12	— 26	1. 10	25, 10	20, 11	18, 10	20, 12	— 25	23. 5
18	24, 12	25, 10	22, 16	8	22, 27	28, 15	27, 11	23, 7	— 39	9. 50	20, 18	24, 10	— 3	23, 7	— 31	8. 20
19	26, 11	23, 10	23, 15	10	25, 25	26, 23	24, 23	23, 23	— 30	22. 20	26, 17	25, 12	20, 9	20, 10	— 24	8. 50
20	22, 8	21, 12	21, 14	24	23, 15	23, 19	20, 18	20, 18	— 36	23. 50	18, 11	19, 15	22, 10	20, 13	— 33	17. 5
21	23, 12	22, 11	22, 15	5	24, 23	24, 24	22, 22	22, 21	— 45	4. 10	24, 17	22, 15	22, 11	21, 11	— 34	3. 35
22	20, 7	20, 9	21, 14	10	22, 21	21, 10	20, 18	24, 25	— 37	23. 45	20, 14	18, 21	21, 15	22, 20	— 39	14. 50
23	21, 14	22, 15	21, 18	12	21, 28	22, 25	22, 27	20, 24	— 43	19. 0	20, 19	20, 17	20, 18	21, 20	— 43	23. 55
24	22, 18	21, 11	22, 21	12	23, 41	23, 40	22, 25	20, 20	— 54	9. 50	22, 28	22, 18	20, 18	20, 15	— 42	7. 15
25	15, 18	20, 15	15, 21	13, 22	13, 19	18, 20	22, 34	24, 37	— 47	19. 45	13, 31	25, 23	23, 19	23, 19	— 57	9. 50
26	23, 15	23, 12	23, 18	8, 14	25, 32	24, 31	23, 23	23, 20	— 44	3. 25	24, 26	22, 16	21, 17	21, 12	— 38	2. 0
27	18, 6	— 2	18, 6	13	23, 9	17, 12	10, 10	2, 13	— 18	12. 35	17, 9	10, 11	7, 21	4, 21	— 26	20. 25
28	24, 12	24, 10	24, 14	12, 14, 15	28, 21	26, 20	23, 18	22, 13	— 31	5. 45	29, 18	27, 10	19, 16	18, 17	— 28	2. 55
29	22, 15	21, 9	22, 15	13	24, 24	23, 25	23, 23	24, 23	— 36	23. 15	21, 15	19, 16	20, 13	24, 14	— 32	15. 40
30	25, 14	23, 10	25, 14	13, 14	24, 25	24, 22	24, 15	23, 16	— 31	0. 20	23, 18	22, 13	20, 11	22, 7	— 34	2. 10
31	2, 5	— 2	2, 6	14	22, 11	24, 9	2, 7	26, 8	— 25	11. 20	20, 17	25, 16	30, 8	— 2	— 31	7. 55

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	21, 4	6, 9, 5	15, 16, 17	9, 7	10, 10	11, 13	12, 15	12, 15	—	0	—	4	—	15	14. 50
2	22, 7	21, 7	20, 8	15	15, 13	16, 13	19, 8	—	2	15, 15	—	12	—	9	—	15	8. 25
3	21, 9	23, 11	22, 23, 11	17, 18	21, 5	19, 12	22, 24	23, 24	22, 29	19, 20	—	6	—	13	—	27	17. 20
4	25, 14	24, 12	25, 14	13	24, 10	24, 17	27, 11	24, 13	24, 20	2, 3, 6	—	16	—	9	—	25	0. 5
5	22, 10	19, 8	22, 10	13	19, 11	19, 11	22, 21	23, 18	23, 22	17	—	8	—	22	—	28	13. 0
6	25, 8	27, 7	23, 27, 10	12, 14	23, 17	24, 21	26, 18	26, 21	24, 23	15	—	6	—	26	—	49	14. 5
7	32, 12	32, 11	32, 12	13	28, 23	28, 26	29, 27	27, 25	24, 28	3, 13	—	27	—	34	—	50	21. 15
8	26, 12	26, 12	25, 14	14	27, 18	26, 18	27, 15	26, 14	24, 22	6, 7	—	23	—	15	—	36	6. 55
9	21, 11	25, 7	24, 21, 12	4, 11	21, 11	22, 21	23, 20	24, 21	24, 28	16	—	3	—	14	—	45	15. 15
10	27, 12	30, 8	27, 12	13	27, 21	28, 19	29, 21	27, 22	24, 25	3	—	32	—	41	—	57	13. 30
11	31, 7	32, 7	32, 10	14	27, 20	1, 15	1, 18	32, 10	24, 24	1	—	19	—	18	—	32	11. 30
12	26, 10	24, 7	27, 25, 10	12, 15	27, 9	24, 10	—	2, 13	21, 15	22	—	2	—	13	—	22	0. 5
13	25, 14	23, 12	25, 14	13	23, 15	23, 15	23, 15	22, 18	23, 19	23, 24	—	9	—	13	—	24	19. 15
14	23, 9	24, 11	24, 11	18	22, 14	21, 15	23, 14	22, 12	23, 21	23, 24	—	8	—	13	—	24	16. 30
15	23, 10	21, 10	20, 12	22, 24	22, 18	22, 17	20, 8	19, 12	21, 25	23	—	19	—	19	—	30	10. 10
16	25, 8	23, 15	25, 16	12	23, 26	23, 24	23, 20	24, 19	22, 36	2	—	11	—	12	—	22	16. 5
17	23, 15	24, 11	24, 17	9	23, 14	21, 12	23, 7	21, 18	22, 20	20	—	6	—	12	—	31	19. 35
18	27, 11	25, 13	21, 18	2	21, 20	—	1, 10, 5	11, 7	21, 20	1, 9	—	11	—	16	—	22	8. 35
19	25, 14	24, 10	23, 25, 15	6, 7, 12	24, 20	24, 17	24, 21	25, 15	24, 23	7	—	17	—	15	—	19	15. 45
20	21, 15	22, 12	23, 17	23	21, 16	20, 21	22, 32	20, 15	22, 33	17	—	5	—	16	—	25	16. 25
21	25, 18	24, 13	24, 18	14, 15	23, 22	24, 19	23, 18	22, 15	21, 29	1	—	10	—	13	—	25	16. 25
22	20, 14	24, 15	24, 15	18	15, 7	19, 22	22, 24	22, 27	22, 28	15	—	17	—	20	—	36	15. 55
23	21, 18	19, 10	21, 23	12	20, 22	20, 28	21, 22	20, 26	20, 28	13	—	15	—	23	—	31	13. 15
24	27, 11	24, 11	24, 17	15	21, 37	22, 23	20, 12	16, 6	22, 38	10	—	19	—	19	—	32	17. 15
25	7, 10	3, 10	2, 14	20	31, 28	29, 16	24, 16	24, 20	22, 29	8	—	14	—	22	—	23	10. 30
26	26, 13	26, 11	26, 17	17	24, 20	30, 14	23, 10	22, 4	22, 26	2	—	14	—	9	—	30	6. 10
27	26, 5	27, 6	24, 28, 7	12, 17	13, 12	8, 16	4, 14	30, 8	5, 18	16	—	6	—	15	—	22	18. 5
28	24, 9	24, 8	23, 10	17	25, 12	21, 9	17, 8	21, 17	22, 23	23	—	0	—	13	—	42	15. 0
29	23, 12	24, 4	24, 15	14	21, 23	19, 18	24, 19	23, 15	22, 26	3	—	10	—	19	—	24	5. 50
30	24, 10	27, 10	26, 13	16	24, 15	23, 14	22, 8	22, 10	24, 20	10	—	13	—	6	—	24	5. 50
31	8, 6	8, 5	4, 7	14	23, 22	1, 18	—	3	22, 26	8	—	19	—	*	—	—	—

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

TILLYPRONIE, ABERDEENSHIRE.—AUGUST 1909.

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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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1	ins.	ins.	28° 82	28° 92	48° 2	47° 0	55° 0	41° 0	0° 2	0° 8	332	303	99	94	NW	2	NW	2	9	8	ins.	hrs.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

LAUDALE, ARGYLESHIRE, a.—AUGUST 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 in.

1	29.98	30.10	57.4	54.7	62.2	54.3	3.7	3.7	365	328	77	76	N	5	S	1	10	—	—	—	Dull, but fine.	
2	30.15	30.22	56.5	57.1	65.3	50.0	3.6	4.1	356	350	77	75	Calm	0	N	1	10	5	—	—	Fine all day.	
3	30.10	29.93	56.0	57.2	59.2	50.0	3.7	0.7	348	447	77	96	S	2	S	6	10	100	79	—	Dull, with ● showers.	
4	29.86	30.01	61.2	55.5	66.0	55.5	1.3	4.8	497	314	92	71	W	6	Calm	0	100	100	12	—	Dull and misty.	
5	30.16	30.17	58.9	58.7	67.5	52.0	2.4	1.2	423	456	85	93	Calm	0	Calm	0	10	10	—	—	Fair, but dull.	
6	30.17	30.14	65.0	60.1	71.2	55.0	4.5	1.8	463	462	76	89	SW	2	Calm	0	5	10	—	—	Fine. Distant T.	
7	30.12	30.11	62.2	59.7	67.2	58.7	2.2	4.7	484	372	87	72	N	2	N	2	5	10	—	—	Fine. Thick mist.	
8	30.12	30.08	63.9	54.7	67.5	54.0	4.7	0.7	438	407	73	95	N	3	Calm	0	7	5	—	—	Fine all day.	
9	30.09	30.15	58.9	57.9	64.2	51.2	0.9	0.9	468	452	95	94	Calm	0	Calm	0	10	10	—	—	Dull, with thick mist.	
10	30.19	30.17	59.7	59.9	69.3	53.4	3.2	0.9	414	486	81	95	N	1	W	1	1	10	12	—	—	Very fine all day.
11	30.19	30.16	60.9	61.3	63.7	59.0	0.9	1.3	504	498	95	92	W	2	W	4	100	100	07	—	Dull and misty, with ●.	
12	30.00	29.96	61.7	59.5	63.2	57.0	2.6	0.5	463	492	85	97	W	5	W	6	10	100	1063	—	Misty, with ● showers.	
13	30.05	30.10	57.3	55.7	63.3	51.0	3.9	0.7	358	423	76	95	N	5	N	1	10	100	18	—	Fine, but misty.	
14	30.01	30.01	55.7	62.3	62.5	51.0	0.7	0.3	423	551	95	98	Calm	0	W	3	100	100	20	—	Misty, with ●.	
15	29.92	29.74	65.3	64.3	71.4	60.0	3.6	2.0	496	531	80	88	W	1	W	5	8	100	10	—	Very fine. Misty op.	
16	29.65	29.67	57.2	54.3	64.3	51.2	0.7	2.6	447	349	96	82	N	5	NW	5	100	90	08	—	Dull, with ● showers.	
17	29.69	29.67	59.7	52.3	67.3	43.0	6.5	2.3	329	331	64	84	Calm	0	Calm	0	2	10	02	—	Fine all day.	
18	29.58	29.45	56.2	55.3	65.2	50.0	3.0	2.1	352	378	78	86	Calm	0	S	6	10	100	27	—	Dull, with ● showers.	
19	29.60	29.65	56.2	56.3	58.7	50.2	4.0	2.3	342	387	75	85	N	4	W	7	7	100	57	—	Dull, with ●.	
20	29.56	29.51	53.2	54.2	58.2	50.0	3.2	4.2	320	308	79	73	W	6	W	6	80	100	54	—	Cold, with ● showers.	
21	29.52	29.53	53.5	53.5	58.2	50.0	2.0	3.0	354	354	87	77	N	6	N	6	70	100	05	—	Dull, with ● showers.	
22	29.52	29.52	53.5	53.5	58.2	50.0	2.0	3.0	354	354	87	77	N	6	N	6	70	100	05	—	—	
23	29.52	29.52	53.5	53.5	58.2	50.0	2.0	3.0	354	354	87	77	N	6	N	6	70	100	05	—	—	
24	29.52	29.52	53.5	53.5	58.2	50.0	2.0	3.0	354	354	87	77	N	6	N	6	70	100	05	—	—	
25	29.73	30.00	56.8	51.3	63.2	50.0	2.7	2.3	383	319	83	84	E	2	N	5	10	5	—	—	Fine all day.	
26	29.95	29.82	53.3	56.2	59.7	45.4	3.8	0.2	308	446	75	99	Calm	0	W	4	10	100	17	—	—	Misty, with ●.
27	29.92	30.10	53.9	53.2	60.5	51.2	1.7	2.3	367	343	88	84	W	2	N	2	100	70	27	—	—	● showers.
28	29.94	29.97	55.4	52.7	60.0	51.0	1.0	0.9	410	373	94	94	W	4	W	1	100	5	58	—	—	Misty, with ●.
29	29.84	29.88	52.7	50.3	58.7	47.2	0.7	1.2	378	334	95	92	N	1	NW	1	6	5	14	—	—	Fine, but cold.
30	29.74	29.62	54.3	49.5	57.3	49.0	2.3	2.5	357	292	84	83	NW	4	NW	5	5	8	18	—	—	Stormy, with ●.
31	29.81	29.89	51.5	49.5	54.9	49.0	2.5	2.2	316	299	83	85	N	5	N	4	7	80	06	—	—	Cold and stormy, with ●.
M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—AUGUST 1909.

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.	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.	53.2	49.5	54.8	49.0	0.8	0.5	.383	.341	95	96	SE	1	NE	1	10	10	ins.	27	—	—	Dull. ● 8a.m.	
2	29.84	29.93	52.2	50.2	60.0	47.9	3.2	1.4	.308	.327	79	91	NE	1	SW	1	5	5	—	—	—	—	Dull, then fine.	
3	30.02	30.05	56.7	55.2	61.8	43.5	3.7	1.5	.355	.393	77	90	SE	1	S	1	10	10	—	12	—	—	● from 4p.	
4	29.73	29.87	60.0	56.0	68.0	54.7	2.5	1.2	.438	.413	85	92	SE	1	SE	1	10	10	—	13	—	—	Fine noon-5p.	
5	30.02	30.07	59.8	57.2	67.6	53.7	2.2	1.2	.445	.431	87	92	SE	1	SE	1	10	10	—	—	—	—	● n. and till 7a. Fine till 5p.	
6	30.02	29.95	67.5	60.7	74.8	55.2	3.7	3.5	.535	.420	79	79	SW	1	SW	1	5	5	—	—	—	—	Fine.	
7	29.91	29.89	65.0	60.9	75.8	56.2	5.0	3.7	.447	.461	77	77	SW	3	SW	1	5	5	—	—	—	—	Fine till 6p., then dull.	
8	29.87	29.89	62.2	64.0	73.6	50.2	4.0	4.0	.430	.461	77	77	SW	1	NW	1	5	5	—	—	—	—	Fine.	
9	29.87	29.89	62.2	64.0	73.6	50.2	4.0	4.0	.430	.461	77	77	SW	1	NW	1	5	5	—	—	—	—	Dull till noon, then fine.	
10	30.04	30.05	58.2	54.8	72.8	54.5	1.0	4.8	.454	.450	93	74	NE	1	W	1	10	5	—	—	—	—	Fine. Dull after 8p.	
11	29.99	29.95	66.2	62.2	74.0	54.0	5.0	2.2	.468	.484	73	87	SW	3	SW	3	5	5	—	—	—	—	Fine till 8p. ● 8.30p.	
12	29.80	29.72	67.5	60.2	72.7	59.8	4.0	1.2	.525	.482	78	93	W	3	SW	3	5	10	—	05	—	—	Fine till 6p., then dull.	
13	29.87	29.81	58.5	56.2	66.5	49.7	7.1	6.2	.300	.293	61	64	NW	3	W	1	5	10	—	—	—	—	Cloud and sunshine.	
14	29.87	29.82	55.6	62.7	67.8	51.2	2.4	2.2	.375	.495	84	87	W	1	W	1	10	5	—	—	—	—	Dull till 9a., then fine.	
15	29.79	29.63	66.0	63.8	76.6	60.2	3.3	3.8	.519	.464	82	78	SW	1	SE	1	10	10	—	05	—	—	● showers 2p.-3.30p.	
16	29.50	29.48	64.5	55.8	67.8	55.2	2.1	1.1	.531	.414	87	86	SE	1	SE	1	10	10	—	—	—	—	Dull and cloudy.	
17	29.56	29.56	54.2	52.0	57.0	51.0	3.4	2.0	.327	.335	78	86	SE	1	SE	1	10	10	—	—	—	—	Dull and cloudy.	
18	29.45	29.38	54.8	53.6	60.0	50.8	2.3	1.8	.365	.361	86	88	S	1	S	1	10	10	—	02	—	—	Cloud and sunshine.	
19	29.48	29.53	59.7	55.8	63.2	50.5	4.2	2.6	.386	.373	75	83	SW	3	SW	5	5	10	—	—	—	—	Dull till noon.	
20	29.45	29.38	56.2	51.6	63.6	51.5	4.0	2.9	.342	.309	75	80	SW	3	NW	1	5	5	—	02	—	—	● showers noon-3p.	
21	29.32	29.40	57.5	48.7	64.8	48.4	4.0	2.2	.359	.291	76	85	SW	1	NW	1	10	10	—	03	—	—	Fine, then cloudy.	
22	29.44	29.48	56.0	51.0	63.2	44.7	4.5	1.2	.329	.343	73	92	SE	1	NE	1	10	0	—	10	—	—	Dull. ☐, ● from 2.30p.	
23	29.50	29.42	52.5	54.8	56.2	47.5	1.7	0.3	.349	.422	89	98	SE	1	NE	1	10	0	—	07	—	—	Dull.	
24	29.39	29.39	56.5	56.5	66.0	53.7	1.3	1.3	.418	.418	91	91	SW	1	SW	1	10	10	—	—	—	—	Dull, then fine.	
25	29.51	29.72	53.5	49.8	58.0	50.8	1.3	2.3	.373	.360	90	85	N	1	NW	1	10	5	—	—	—	—	Dull and cloudy.	
26	29.77	29.71	54.8	54.5	59.4	47.8	4.6	2.3	.309	.378	72	84	SW	1	SW	1	5	0	—	—	—	—	Fine.	
27	29.81	29.93	61.0	54.0	66.2	52.0	4.5	2.0	.397	.360	75	86	W	1	W	1	10	5	—	—	—	—	Dull and cloudy.	
28	29.85	29.81	54.2	57.0	60.5	50.2	4.7	1.0	.345	.434	82	93	W	1	SW	1	10	10	—	08	—	—	● showers till 11a. and 3p.-9p.	
29	29.67	29.67	50.2	58.6	49.0	0.5	0.8	.351	.366	97	94	NE	1	W	1	10	10	—	—	—	—	—	Dull and cloudy.	
30	29.58	29.31	54.2	58.0	42.5	3.4	4.5	.327	.255	78	71	SW	3	NW	5	5	10	—	—	—	—	—	Dull, then fine.	
31	29.58	29.63	52.2	48.0	58.9	44.5	4.4	3.5	.281	.253	72	76	NW	3	NW	5	10	5	—	—	—	—		
M.	29.729	29.718	58.3	55.7	65.4	50.8	3.3	2.3	.394	.383	80	86	1.6	1.5	7.9	7.3	1.78	—	—	—	—	—	—	

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—AUGUST 1909.

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.
	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.	
1	ins.	ins.	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	5 p. and n. Fine but dull.
2	29.65	29.66	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine a. • 8.15 p. Gloomy and breezy.
3	79	86	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
4	78	86	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
5	78	86	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
6	78	86	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
7	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
8	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
9	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
10	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
11	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
12	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
13	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
14	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
15	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
16	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
17	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
18	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
19	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
20	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
21	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
22	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
23	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
24	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
25	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
26	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
27	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
28	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
29	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
30	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
31	77	85	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	Fine and bright.
M.	29.575	29.575	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8

DOUGLAS, ISLE OF MAN, a.—AUGUST 1909.

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.

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.	
1	29.73	29.74	54.0	52.3	52.3	51.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	Cloudy. • 2p., violent • 7p. Blustering wind. • 11.45a. Overcast a., sunny at times. Lovely day.
2	87	94	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
3	92	83	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
4	80	84	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
5	94	97	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
6	96	90	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
7	88	86	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
8	85	80	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
9	82	85	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
10	29.93	29.98	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
11	30.00	29.97	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
12	29.87	29.87	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
13	83	87	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
14	84	85	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
15	75	55	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
16	40	46	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
17	43	42	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
18	25	37	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
19	54	60	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
20	46	42	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
21	31	37	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
22	38	40	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
23	28	36	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
24	36	37	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
25	43	62	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
26	70	70	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
27	80	92	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
28	85	80	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
29	59	64	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
30	57	40	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
31	29.52	29.61	52.2	53.1	53.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	Very fine.
M.	29.672	29.679	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6

† Beaufort Scale (0-12.)

STONYHURST, LANCASHIRE, a.—AUGUST 1909.

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. 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.	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	ins.	hrs.	°	● showers all day.	
2	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
3	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
4	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
5	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
6	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
7	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
8	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
9	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
10	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
11	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
12	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
13	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
14	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
15	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
16	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
17	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
18	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
19	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
20	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
21	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
22	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
23	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
24	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
25	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
26	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
27	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
28	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
29	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
30	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
31	29.64	29.62	57.0	55.5	58.0	52.3	1.8	1.5	.411	.367	88	89	—	—	2	10	8	1.45	—	45	● showers all day.	
M.	29.586	29.593	59.3	56.8	63.8	51.8	3.4	2.6	.408	.389	80	83	—	—	6	4	7.4	4.2	3.188	153	46.1	● showers all day.
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SHREWSBURY, SHROPSHIRE.—AUGUST 1909.

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.				
							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.															ins.	hrs.		● 10a.-6.30p.				
2	29.81	29.79	59.7	55.0	62.0	54.5	2.7	1.0	427	403	84	93	S	†	2	NNW	2	10	7	14	—	55	Short, sunny intervals.	
3	29.85	29.83	59.5	54.3	62.2	54.6	2.7	2.3	379	357	83	84	NNE	3	NNE	1	9	9	—	—	—	48	Short and bright a. Cloudy p.	
4	30.02	29.97	58.7	56.0	67.3	44.1	4.9	4.0	354	340	71	75	W	1-2	W	2	2	7	—	—	—	44	Fine, bright and warm.	
5	29.96	29.97	58.0	58.5	71.6	51.0	5.0	1.9	369	432	71	88	SW	2	SW	1	6	2	—	—	—	52	Fine, bright and warm.	
6	30.03	30.03	64.2	59.0	76.3	49.6	5.3	1.5	426	452	71	91	WSW	1	WSW	1	2	2	—	—	—	48	Fine, bright and warm.	
7	30.03	29.97	63.8	58.0	81.0	47.0	3.9	2.0	461	421	78	87	Calm	0	Calm	0	0	—	—	—	—	48	Fine, bright and very warm.	
8	29.95	29.92	59.5	60.0	79.7	46.0	2.5	2.0	429	453	85	88	NW	1	NW	1	10	0	—	—	—	47	Sunny and warm from 10a.	
9	29.92	29.92	58.0	61.0	76.3	47.0	0.8	1.3	457	493	94	92	NW	1	NW	1	10	4	—	—	—	48	Sunny and warm from 11a.	
10	29.99	29.92	64.9	60.0	79.8	47.8	3.9	1.9	479	456	78	89	NW	1	Calm	0	0	—	—	—	—	49	Sunny and very close.	
11	30.04	30.04	58.9	60.0	81.6	46.5	0.9	1.0	468	485	95	94	S	1	Calm	0	10	0	—	—	—	46	Sunny and very close from 10a.	
12	30.10	30.05	57.6	61.1	79.9	51.4	0.2	1.1	470	501	99	93	NW	1	NW	1	10	0	—	—	—	52	Sunny and very close from 10a.	
13	30.00	29.91	73.0	66.0	85.0	48.2	8.0	6.8	502	412	62	65	WSW	2	WSW	1	0	4	—	—	—	46	Sunny and very warm.	
14	29.90	29.90	69.0	61.0	70.0	57.0	3.7	1.8	562	477	80	89	W	3	W	2	6	9	10	—	53	53	Dull and close. ● p.	
15	29.97	29.96	69.0	64.0	77.6	56.0	4.0	0.9	551	564	78	95	W	3-4	W	1	5	0	—	—	—	54	Sunny and very close.	
16	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	50	50	Sunny and very close.	
17	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	Dull a. Sunny intervals p.	
18	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	Sunny intervals. ● n.	
19	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	● shower a.	
20	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	54	54	● early a. Fine and sunny.	
21	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	● 11a.-1p. and 5p.-6p.	
22	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	● showers p. Fine evening.	
23	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	● showers. Sunny intervals.	
24	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	● showers a. and p.	
25	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	53	53	Sunny intervals.	
26	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	52	52	a. Sunny intervals p.	
27	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	50	50		
28	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	49	49	Fine from 10a.	
29	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	36	36	Sunny and warm.	
30	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	43	43	Sunny a. ● from 5p.	
31	29.86	29.86	67.8	66.0	83.9	51.3	3.4	0.9	551	605	81	95	SW	1	Calm	0	2	6	10	—	42	42	● from 9p.	
M.	29.769	29.771	61.0	57.4	70.4	49.8	2.9	1.3	447	435	83	92	2.0	1.3	6.4	4.2	1.71	48.1						Sunny p. ● n.

CAMBRIDGE, a.—AUGUST 1909.

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	30.01	29.89	61.0	59.0	63.0	56.0	4.7	0.1	391	497	74	99	SE	3	S	3	9	10	59	52	● noon-4.30p.		
2	29.87	29.87	61.0	59.0	63.0	56.0	0.8	1.7	391	339	94	88	NW	6	NW	2	10 ^{0.2}	5	03	1.0	49	● 8a.-noon.	
3	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
4	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
5	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
6	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
7	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
8	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
9	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
10	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
11	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
12	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
13	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
14	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
15	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
16	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
17	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
18	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
19	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
20	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
21	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
22	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
23	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
24	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
25	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
26	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
27	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
28	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
29	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
30	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
31	30.16	30.16	56.4	51.0	64.1	48.5	6.6	0.9	287	351	63	94	NW	4	Cal	0	9	10	—	7.1	41	Sunny intervals.	
M.	29.941	29.940	62.4	58.4	71.0	50.8	4.8	1.9	416	436	74	88	3.3	1.5	6.1	4.2	1.91	227	42.8				

† Beaufort Scale (0-12).

CHELTENHAM, GLOUCESTERSHIRE, a.—AUGUST 1909.

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 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.	hrs.	°			
1	ins.	ins.	62.4	60.7	67.4	55.5	3.1	2.2	.459	.459	81	86	SW	†	1	10	10	57	53	Dull close day. ● 11a.—4p.		
2	29.84	29.83	62.4	60.7	67.4	55.5	3.1	2.2	.459	.459	80	86	W	1	10	10	10	57	45	Dull a., pleasant p.		
3	29.84	29.83	62.4	60.7	67.4	55.5	3.1	2.2	.459	.459	80	86	W	3	SW	1	10	10	45	44	Very pleasant day.	
4	30.05	30.02	59.7	58.3	66.6	49.5	7.3	3.4	.309	.391	60	81	W	2	Caln	0	2	0	105	50	Very pleasant day.	
5	30.00	30.00	59.7	58.3	66.6	49.5	7.3	3.4	.306	.397	60	77	SW	0	SE	1	0	0	120	46	Very bright day. Hot and close.	
6	30.08	30.04	65.2	59.2	75.6	51.3	6.2	3.6	.416	.394	67	78	Caln	0	SW	1	0	0	124	48	Very bright day. Hot and close.	
7	30.02	29.96	67.5	65.0	79.9	50.5	5.5	3.7	.475	.485	70	79	Caln	0	SW	1	0	0	72	52	Dull a. Pleasant day.	
8	29.96	29.96	67.5	65.0	79.9	50.5	5.5	3.7	.498	.444	85	81	SW	1	NE	1	10	0	0	50	50	Dull and misty a. Pleasant p.
9	29.91	29.91	63.3	61.7	78.6	54.5	2.4	3.2	.462	.535	92	82	SW	1	Caln	0	0	0	136	47	Bright day.	
10	29.87	29.94	70.7	65.7	81.6	51.5	10.2	5.2	.399	.453	75	72	W	1	SE	1	0	0	122	51	Bright day.	
11	29.99	30.05	68.0	72.0	81.8	54.2	6.1	4.3	.467	.607	68	77	SE	1	SE	1	0	0	114	55	Bright day.	
12	30.10	30.04	67.5	61.9	79.4	58.1	4.8	2.2	.498	.479	74	86	W	1	SE	2	0	0	127	50	Bright, hot and close.	
13	30.04	29.99	73.3	69.7	85.0	54.3	7.6	5.0	.522	.533	63	74	W	1	SE	2	0	0	77	51	Cool and bright a. Fine day.	
14	30.04	30.01	69.7	64.1	76.4	57.1	6.2	1.8	.494	.545	68	89	SW	2	NW	1	2	0	114	53	Bright day.	
15	29.81	29.98	71.0	67.0	79.4	58.6	5.7	3.1	.537	.545	70	82	SW	1	Caln	0	6	0	102	51	Very bright day.	
16	29.89	29.89	69.7	69.2	82.4	57.4	4.9	3.7	.578	.570	75	79	SW	1	SW	1	10	8	102	57	Dull oppressive day. ● 3p.	
17	54	55	66.4	61.5	70.6	61.5	2.1	2.5	.552	.464	88	84	S	2	S	1	10	8	57	41	Dull. ● 5.15p.—11p.	
18	54	58	62.9	55.1	69.0	49.4	4.2	3.5	.434	.338	76	78	SW	1	SW	2	10	1	11	51	Dull and stormy.	
19	54	61	61.7	58.5	67.0	54.1	3.2	3.1	.444	.397	81	81	S	2	SW	2	10	0	86	52	Dull a., fine p.	
20	76	88	64.7	58.9	70.4	57.8	3.5	2.0	.487	.434	80	87	S	2	SW	2	10	10	09	49	Dull. ● noon—4p.	
21	74	55	63.7	58.1	68.4	52.5	3.2	2.5	.479	.407	81	84	SW	2	W	2	9	10	74	42	Very bright a. ● 2p.—3p.	
22	50	56	59.7	52.7	64.4	47.2	5.1	2.1	.362	.342	70	85	SW	2	Caln	0	7	9	09	40	Very bright a. ● 2p.	
23	50	56	59.7	52.7	64.4	47.2	5.1	2.1	.344	.340	69	79	W	2	W	1	10	4	19	47	● 8.45a. Dull and threatening	
24	52	56	58.5	60.7	67.4	51.3	2.0	1.2	.428	.489	87	92	SW	4	W	1	10	10	05	—	Dull. ● p.	
25	53	51	62.9	58.7	63.4	53.5	4.2	1.2	.434	.456	76	92	W	1	NW	1	8	10	08	64	51	Dull, with T a. ● 11.30a.
26	58	66	62.2	58.1	68.4	55.7	2.9	1.5	.462	.436	82	89	Caln	0	SW	1	8	0	—	37	42	Dull day.
27	81	87	58.9	50.3	63.4	50.3	3.0	1.7	.406	.322	82	88	W	1	SW	1	8	0	—	47	39	Dull, but pleasant.
28	29.88	29.88	60.5	52.5	66.6	47.5	3.0	2.5	.431	.329	82	82	SW	1	S	1	10	0	—	127	36	Very bright day.
29	30.03	30.03	66.0	56.2	68.2	43.1	5.9	1.6	.360	.404	67	89	W	1	NE	1	0	0	21	29	Dull wet day.	
30	29.90	29.90	66.0	58.5	54.7	44.8	4.5	3.1	.385	.361	79	74	NW	3	S	1	10	10	6	40	Bright day, with cool wind.	
31	71	58	55.7	54.5	48.3	4.5	2.3	.322	.361	72	84	W	1	NE	1	3	0	—	114	42	Very fine.	
	29.54	29.70	57.7	50.3	60.6	49.5	5.9	1.9	.317	.316	66	87	NW	1	N	1	5	0	—	—	—	—
M.	29.800	29.801	62.4	50.7	71.0	52.5	4.6	2.9	.436	.430	74	83	1°S	1°E	5°S	3°S	1°95	230	47°3			

SOUTHAMPTON, HAMPSHIRE, a.—AUGUST 1909.

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.						
	ins.	ins.	64.6	61.0	70.0	56.4	5.0	0.9	in.	in.	%	%	†	†			ins	hrs.	°				
1	29.98	29.92	64.6	61.0	70.0	56.4	5.0	0.9	.441	.506	73	95	NW	1	SW	1	2	10	'030	4.0	51	Fine a. Dull p. ● 3p.	
2	29.98	29.92	64.6	61.0	70.0	56.4	5.0	0.9	.441	.506	73	95	NW	1	SW	1	2	10	—	6.2	49	Dull afternoon.	
3	30.17	16	59.4	57.4	66.9	49.4	7.8	2.5	.296	.398	58	84	NE	4	NE	3	2	8	—	6.2	49	Dull afternoon.	
4	16	17	63.5	58.0	69.3	55.1	5.4	2.7	.411	.401	70	83	SW	3	SW	1	5	10	—	11.4	44	Fine.	
5	19	17	67.1	61.0	74.4	51.0	6.8	2.7	.432	.448	65	84	E	2	WSW	1	9	2	—	9.7	52	Fine.	
6	15	07	72.2	63.0	79.7	54.7	9.1	2.0	.455	.506	56	88	E	1	SE	1	2	0	—	11.2	46	Fine.	
7	30.06	30.00	71.0	67.0	81.3	55.1	11.9	3.3	.361	.539	47	82	NE	2	NE	1	1	0	—	12.7	49	Fine and warm.	
8	29.99	29.96	72.0	67.8	82.9	56.0	3.1	7.4	.651	.427	84	63	NE	1	NE	2	0	2	—	12.9	50	Fine and warm.	
9	29.93	29.99	72.6	69.3	83.1	58.7	8.3	6.5	.485	.477	66	66	NE	2	NE	1	1	0	—	13.1	53	Fine and warm.	
10	30.10	30.17	68.8	65.8	82.6	57.7	6.7	3.5	.403	.509	66	81	NE	2	SE	3	0	0	—	12.6	55	Fine and warm.	
11	23	18	61.9	62.7	82.8	56.1	1.9	1.6	.489	.514	89	91	WNW	1	SW	1	10	0	—	11.8	53	F. a. Fine and warm.	
12	17	10	72.0	67.1	85.2	55.6	6.4	3.0	.534	.551	68	83	SSW	1	SW	1	0	0	—	9.1	52	F. a. Fine and warm.	
13	08	12	69.4	67.1	82.2	55.6	7.3	2.8	.450	.558	63	84	WSW	2	NW	3	2	1	—	12.6	51	F. a. and p. Fine. < n.	
14	16	11	69.0	68.3	81.7	59.1	4.0	3.0	.551	.575	75	89	WNW	3	WNW	3	4	0	—	10.7	50	F. a. and p. Fine. < n.	
15	30.03	29.84	71.0	65.7	79.3	58.0	4.6	1.9	.574	.562	78	86	NW	1	SE	3	0	0	—	10.0	56	F. a. and p. Fine and warm.	
16	29.70	68	66.0	62.9	69.9	62.7	1.6	2.8	.579	.478	90	84	SW	4	WNW	3	10	0	—	10.9	54	F. a. and p. Fine and warm.	
17	70	44	63.1	59.0	66.8	52.5	3.7	0.6	.454	.480	78	96	SSW	2	ESE	6	9	100	730	2.0	45	Dull. ● 3p.	
18	32	29.81	60.9	57.0	68.8	56.7	1.6	3.1	.481	.374	91	80	S	3	WSW	4	7	2	—	0.2	60	F. a. ● from 3p.	
19	96	30.06	63.2	60.8	69.9	55.7	2.9	1.0	.481	.499	83	94	WSW	4	W	2	10	8	—	1.15	52	● till 6a. ● 11a.-3p.	
20	97	29.77	62.0	60.0	62.7	59.1	0.9	0.8	.524	.492	95	95	SW	3	SW	4	100	0	—	'040	7.1	53	Fine. F. p.
21	64	60	59.8	53.0	68.1	52.9	1.4	2.3	.469	.340	91	84	NW	2	NW	2	7	0	—	'240	—	57	Dull, with ● showers.
22	65	72	59.2	53.0	66.7	45.7	6.1	1.4	.330	.363	66	90	NW	3	NW	1	3	4	—	10.1	41	Fine.	
23	74	74	59.0	61.5	62.6	50.3	2.0	0.3	.436	.535	88	98	SW	5	SW	4	100	100	180	1.3	46	● most of day.	
24	75	65	63.2	58.1	64.9	57.8	2.9	0.5	.481	.468	83	96	SW	4	SW	3	10	100	'600	0.2	58	Dull, with ●.	
25	68	29.78	58.3	50.5	60.7	55.5	1.1	1.4	.452	.415	92	91	NW	4	NW	2	100	0	'050	7.0	51	● showers 8a.-10a., and 3p.	
26	99.33	30.00	61.0	56.2	65.9	52.9	4.0	2.2	.410	.388	77	86	NW	4	NW	3	8	0	—	4.9	47	Fine but cloudy.	
27	30.03	10	61.9	60.4	70.3	48.1	5.0	2.6	.397	.442	72	85	NW	3	NE	2	0	2	—	7.2	43	F. a. and p. Fine.	
28	17	12	62.8	58.0	71.3	50.8	6.2	2.0	.379	.421	67	87	NE	3	SW	3	0	0	—	11.9	48	F. a. and p. Fine.	
29	30.00	78.3	61.1	56.2	64.4	47.2	4.7	1.6	.393	.405	73	90	SW	3	SW	2	8	8	—	5.0	47	F. a. and p. Fine till 10a.	
30	29.84	75	56.5	54.6	62.9	52.3	4.2	3.2	.317	.339	69	79	WNW	4	SW	5	2	2	—	8.0	51	Fine.	
31	29.68	29.82	58.4	51.1	63.0	50.7	7.8	3.0	.285	.300	57	80	NW	5	NW	3	2	0	—	8.2	47	Fine. Gloomy 2.30 p.	
M.	29.938	29.933	64.3	60.5	72.1	54.3	4.9	2.4	.446	.453	74	86		2.7		2.4	4.7	3.4	2.115	247	50.3		

PLYMOUTH, DEVONSHIRE, a.—AUGUST 1909.

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°48	29°41	59°9	65°6	66°5	56°1	0°4	5°5	'503	'442	98	71	—	0	N	11	10≡	8	—	0°9	53	Dull.
2	29°49	30°07	62°0	64°1	71°0	52°8	4°4	7°0	'416	'355	75	60	N	13	—	2	6	5	—	10°6	53	Fine and sunny.
3	30°15	'14	61°6	58°0	67°8	51°1	5°4	3°8	'381	'372	70	77	—	0	—	3	0∞	0	—	8°9	54	Fine and sunny.
4	'17	'15	60°7	56°7	72°1	47°1	6°1	3°5	'352	'360	66	78	—	0	—	0	4	2	—	11°6	53	Fine and sunny.
5	'16	'16	64°6	61°6	74°2	49°8	6°0	6°2	'413	'361	68	66	E	5	—	0	3	4	—	9°5	53	Fine and sunny.
6	'14	'09	72°0	66°3	82°4	53°4	11°9	8°2	'377	'434	48	68	—	0	—	0	0	0	—	12°9	53	Sunny and very hot.
7	30°06	74°6	71°3	81°2	57°0	9°3	8°9	'493	'444	57	58	—	0	—	0	0	3	0	—	12°1	48	Fine and sunny.
8	29°97	29°92	74°7	75°6	83°1	57°1	10°7	12°9	'454	'411	53	46	—	3	—	0	0	0	—	12°6	51	Sunny and very hot.
9	30°00	30°02	73°1	69°0	81°2	60°2	11°1	7°8	'415	'435	51	61	—	2	SE	4	0	0	—	13°0	52	Fine and sunny.
10	'07	'12	75°0	67°6	77°3	64°9	11°2	7°5	'445	'420	51	62	—	0	—	1	0	0∞	—	12°9	49	Fine and sunny.
11	'18	'17	73°1	67°6	77°0	59°5	6°4	3°0	'557	'562	69	83	N	6	—	1	0	0	—	13°2	54	Very fine and sunny.
12	'16	'12	74°3	69°3	77°1	57°8	9°7	2°7	'476	'607	56	84	—	0	—	1	0	0	—	12°7	52	Fine and sunny.
13	'10	'15	65°6	66°2	78°2	51°8	1°5	2°8	'574	'540	91	84	N	9	—	3	4	0	—	13°0	49	Sunny, but with cool breeze.
14	'17	30°11	70°1	71°0	78°1	61°0	4°1	4°8	'574	'567	77	74	—	1	—	0	0	0	—	11°8	55	Fine and sunny.
15	30°02	29°81	74°6	68°6	78°4	58°0	3°6	3°6	'534	'558	62	80	SE	6	ENE	12	0	7	'01	8°9	49	Fine a., then overcast.
16	29°68	'73	64°0	61°6	71°1	61°6	1°0	4°5	'560	'406	94	75	W	9	—	3	10	1	—	3°6	62	Dull a. Fine afternoon.
17	'64	'34	62°6	59°0	67°1	51°9	1°8	0°9	'505	'470	89	95	—	0	E	17	10	10	'24	11	51	Gloomy. ● in afternoon.
18	'34	29°84	62°1	60°6	64°8	57°1	3°8	2°9	'435	'436	78	83	NW	14	W	8	7	3	—	7°6	56	Dull and squally a.
19	'95	30°03	63°6	61°4	68°6	59°1	2°4	1°0	'505	'529	97	100	SW	15	WSW	13	10	4	'05	6°3	51	Fine, with strong wind.
20	'93	29°76	61°6	60°6	63°6	59°0	0°4	0°0	'534	'529	97	100	SW	16	—	3	10●	10	'57	—	59	Dull, with steady ●.
21	'66	'64	55°3	55°2	65°6	52°0	1°4	2°6	'397	'303	90	84	—	3	—	0	10	3	'08	6°2	47	● showers. Sunny intervals
22	'68	'67	59°8	58°6	64°8	47°0	4°6	8°5	'376	'272	73	55	—	0	SW	6	7	7	'34	6°0	43	Fine.
23	'61	'69	60°0	61°6	64°2	57°0	0°0	0°8	'518	'520	100	95	SW	20	SSW	12	10●	10	'04	1°3	54	Dull, with ● showers.
24	'71	'65	61°8	58°2	63°6	57°1	1°1	0°4	'514	'473	93	98	N	5	NNW	5	5	10	'04	0°3	57	Dull a. ● in afternoon.
25	'71	29°82	60°6	60°2	68°0	56°6	1°5	1°6	'479	'469	91	91	N	5	NNW	5	5	10	'04	0°3	57	Fine, but with cool breeze.
26	29°94	30°02	59°0	55°2	63°7	55°7	2°9	5°1	'410	'303	83	70	NNW	8	—	1	3	0	'01	11°6	50	Fine and sunny.
27	30°04	'08	59°4	57°4	66°0	51°4	0°4	4°4	'494	'347	98	73	—	0	—	2	10	0	'03	6°1	49	Dull a., then sunny.
28	30°13	30°11	61°4	58°6	65°0	49°0	4°8	6°2	'395	'322	73	65	—	0	—	1	0	0	—	12°6	44	Fine and sunny.
29	29°95	'85	60°4	59°8	65°3	49°2	5°1	4°6	'373	'376	71	73	—	2	—	1	10	10	'01	2°1	44	Dull.
30	'88	'80	57°3	58°6	62°0	50°7	6°7	2°6	'204	'413	62	84	NNW	10	WSW	7	6	10	—	9°9	45	Fine.
31	29°75	29°86	57°4	52°6	61°2	52°6	6°8	4°0	'293	'295	61	75	N	10	N	7	9	2	—	9°3	50	Fine.
M.	29°933	29°935	64°6	62°5	70°7	55°0	4°9	4°4	'453	'431	75	76	—	5	—	4	5°0	4°0	2°02	257	51°4	

* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—AUGUST 1909.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $6^{\circ} 39'$ W. Lat. $54^{\circ} 21'$ N. Gravity Correction, +.025 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.	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.	ins.	hrs.	°		
1	ins.	ins.	°	°	63.6	50.0	3.1	1.8	in.	in.	%	%	*	*			ins.	hrs.	°	Cloudy a. Clear from 4p.
2	29.82	29.89	57.4	56.0	63.6	50.0	3.1	1.8	.381	.314	81	87	—	1	—	2	10	3	—	3.7 43
3	29.89	29.89	57.4	56.0	63.6	50.0	3.1	1.8	.359	.355	71	79	—	2	—	1	9	8	—	5.6 37
4	29.90	29.84	59.4	59.6	63.1	45.0	3.6	3.6	.398	.400	79	78	SW	4	SW	7	10	10	—	37
5	29.80	29.87	60.1	62.0	65.3	56.8	2.0	3.9	.455	.430	88	78	SW	12	SW	6	10	10	.022	0.2 56
6	29.98	30.01	62.4	59.3	73.5	56.8	3.0	3.9	.463	.403	82	80	SW	5	S	4	10	0	—	6.8 54
7	29.97	29.97	66.8	62.2	76.3	51.1	6.3	3.6	.441	.441	68	79	—	2	—	2	0	1	—	13.8 43
8	29.98	29.98	66.8	62.2	76.3	51.1	6.3	3.6	.447	.455	88	93	—	1	—	0	10	2	—	0.1 45
9	29.91	29.98	65.5	56.0	75.0	52.1	3.9	1.2	.490	.445	91	93	—	1	—	1	10	3	.004	8.1 45
10	30.02	30.05	57.6	58.7	71.7	51.8	1.1	1.2	.442	.450	93	92	—	0	—	1	0	0	—	10.8 46
11	30.08	30.02	64.5	64.7	73.9	57.3	4.0	2.0	.470	.539	78	88	—	2	—	0	10	0	—	1.5 46
12	29.95	29.87	64.6	62.8	75.3	58.0	3.8	2.1	.478	.500	79	87	SW	7	SW	7	10	10	.030	9.2 47
13	29.93	29.94	59.6	62.1	69.1	56.0	3.3	3.6	.409	.441	80	79	—	1	—	2	10	10	—	7.5 55
14	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.547	.518	84	83	SW	4	S	8	0	3	—	2.7 55
15	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SSE	6	S	2	10	4	—	3.8 60
16	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	—	2	9	0	.010	11.9 57
17	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	SSW	10	4	10	.030	7.3 37
18	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	4	SSW	7	9	0	.193	6.8 49
19	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	5	SW	4	10	0	.098	5.3 47
20	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	—	2	9	0	.015	7.1 45
21	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	SE	4	9	10	.515	37 41
22	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	4	—	2	10	10	.017	0.1 52
23	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	5	—	2	10	9	.037	— 53
24	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	3	—	2	10	0	—	4.0 44
25	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	—	2	9	10	.018	0.1 42
26	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	—	2	—	2	9	10	—	2.7 50
27	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SSW	10	SW	7	8	10	.450	0.6 47
28	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	7	—	1	10	0	.525	1.3 44
29	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	7	—	2	9	0	.015	1.5 41
30	29.94	29.92	66.5	65.4	76.0	61.4	2.8	3.0	.513	.500	74	82	SW	7	—	2	9	0	.015	1.5 41
31	29.97	29.80	53.6	48.6	58.2	44.9	1.3	2.8	.297	.276	73	81	NW	4	—	2	8	9	.015	5.5 40
M.	29.752	29.760	50.0	55.7	66.8	50.7	3.1	2.5	.410	.381	82	84	4	3	8.4	5.2	1.994	143	46.9	

MARKREE CASTLE, SLIGO, a.b.—AUGUST 1909.

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.

Long. 6 27 W. 1881																						
1	29°02'	30°01'	59°0	53°5	63°0	51°4	5'0	3'3	'354	'321	71	78	N	1	Calm	0	9	1	—	6°0	41	Fine.
2	30°11	30°12	60°0	50°0	63°7	41°0	4'7	1'0	'377	'334	73	93	N	2	Calm	0	7	1	11°6	35	35	Fine and warm.
3	30°04	29°91	56°5	59°0	64°3	42°0	2'5	3'6	'384	'391	84	78	S	3	S	4	10	10	'03	1°3	37	Dull. Squally n.
4	29°89	29°96	61°5	57°0	66°0	55°9	0°5	1'0	'528	'434	97	93	S	1	Calm	0	100°	100°	'04	—	56	● ^a most of day.
5	30°03	29°90	62°0	56°0	73°3	41°0	2'0	1'0	'487	'419	88	93	Calm	0	Calm	0	10	0	—	8°0	45	● ^a a. Bright p.
6	'10	'08	65°3	58°0	73°9	41°0	4'8	1'0	'459	'451	74	93	S	1	N	1	5	—	13°0	36	Fine and warm.	
7	'07	30°08	62°0	60°6	68°0	51°0	2'8	1'6	'477	'476	83	90	N	1	Calm	0	10	10	—	1°5	46	Gloomy. Bright intervals.
8	'03	29°98	60°0	58°0	70°0	56°4	1'2	0°8	'479	'457	93	94	Calm	0	Calm	0	10	0	—	2°0	49	Dull a. Bright p.
9	'01	30°07	63°7	57°8	67°4	54°3	4'7	1'8	'435	'424	73	88	N	3	N	1	7	0	—	9°4	48	Fine.
10	'10	'14	63°5	54°3	67°7	49°0	3'5	0°3	'467	'413	79	98	Calm	0	Calm	0	10	0	—	3°2	44	Fine.
11	'19	'12	64°0	58°0	73°9	44°7	3'2	1'0	'486	'451	81	93	Calm	0	Calm	0	8	0	—	6°3	43	≡ a. Fine and warm.
12	'05	'00	67°7	62°5	72°0	55°0	4'7	1'0	'505	'531	74	94	SW	4	NW	3	7	10	'03	6°5	48	Fine.
13	'03	'05	61°0	62°0	66°9	56°3	2'0	1'0	'470	'520	88	94	Calm	0	W	1	10	10	'01	0°2	57	Dull and very warm.
14	30°05	29°82	60°0	70°0	63°3	75°0	2'3	2'2	'520	'498	86	77	SE	2	Calm	0	10	8	—	2°8	59	Fine and warm.
15	29°82	29°61	64°3	62°9	75°0	60°0	2'3	2'0	'410	'399	87	86	NW	2	Calm	0	10	8	'03	8°0	56	Fine and warm.
16	'61	'67	61°0	50°0	65°8	48°4	4'0	2'2	'371	'318	81	85	SE	2	Calm	0	8	0	—	'05	53	● ^b showers.
17	'58	'51	56°5	51°0	63°0	42°7	3'0	2'2	'337	'412	67	99	NW	2	SW	1	7	1	'14	6°0	31	Fair a. ● showers p.
18	'51	'53	59°5	54°0	66°9	36°0	6'0	0'2	'337	'364	71	78	NW	2	SW	3	8	3	'22	6°3	41	Fine.
19	'71	'69	59°0	57°0	65°0	48°6	5'0	3'5	'354	'364	71	93	S	1	Calm	0	100	3	'40	6°3	45	● n. and a. Squally p.
20	'62	'60	53°9	50°5	61°0	49°5	0°9	1'0	'389	'342	83	84	NW	4	Calm	0	7	7	'08	8°5	43	● a. Fine p.
21	'54	'63	54°6	52°8	60°7	48°0	2'6	2'4	'353	'335	83	92	NW	1	SE	3	9	10	'27	0°8	42	Dull. ● in evening.
22	'59	'45	57°0	56°0	67°0	47°0	5'0	1'1	'327	'367	80	93	Calm	0	Calm	0	10	10	'08	—	51	● showers a. Fair p.
23	'37	'49	58°0	56°0	60°8	50°9	1'7	1'0	'430	'419	89	93	S	1	Calm	0	100	10	'21	—	51	Cool, with ● showers.
24	'53	'56	57°9	55°0	59°9	54°0	2'4	0°5	'409	'418	85	97	S	3	NW	1	100	1	'03	4°8	38	● a. Fair p.
25	'73	'95	56°5	50°0	61°9	48°8	1'0	1'2	'427	'329	94	92	N	1	N	1	10	4	'03	0°4	40	● Fair generally.
26	29°92	29°92	56°3	53°5	61°9	48°3	3'3	0°8	'361	'387	79	94	NW	2	Calm	0	7	8	—	3°8	49	Fine.
27	30°04	30°11	55°0	52°9	59°8	51°9	2'7	1°9	'357	'348	83	87	N	3	SW	3	10	100	'70	—	41	● most of day. ● ^a n.
28	29°99	29°94	58°3	59°4	62°2	46°5	2'3	0°4	'417	'494	85	98	S	2	NW	3	10	7	—	4°7	41	● early a. Fine, but cool.
29	'79	'89	52°8	50°0	60°0	48°6	0°8	2'0	'377	'309	94	86	NW	3	N	4	10	9	'02	1°5	41	Fair, but cool.
30	'78	'71	55°3	54°0	59°3	46°2	2'3	5'0	'372	'288	85	69	NW	3	N	4	10	9	'13	5°0	42	● showers. Cool.
31	29°83	29°94	54°0	50°0	57°2	46°8	6'0	4'0	'267	'265	64	74	NW	4	NNW	2	9	—	—	—	—	—
M.	29°856	29°864	59°6	55°5	65°4	49°6	3'1	1'7	'418	'398	81	89		1'8		0°9	8°8	5°4	2°50	138	44°3	

* Miles per hour.

† Beaufort Scale (0-12).

DUBLIN (PHOENIX PARK), a.—AUGUST 1909.

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.		hrs.			
							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	29.87	29.94	56.3	54.3	61.4	54.3	0.8	2.4	.430	.354	95	83	—	2	—	2	10	3	1.4	47	Overcast and cloudy.	
3	30.03	30.09	57.5	49.2	62.2	44.9	4.1	1.4	.356	.315	75	91	NE	7	—	0	8	5	—	7.8	39	Overcast and cloudy.
4	30.05	29.94	62.0	57.9	65.9	45.3	6.4	3.1	.362	.390	65	81	SW	6	SW	7	8	7	—	0.4	40	Overcast and cloudy.
5	29.93	29.95	61.3	60.5	73.8	55.3	3.5	0.9	.430	.497	79	95	SW	9	SW	6	8	5	—	3.9	53	Cloudy.
6	30.04	30.07	64.1	52.8	69.3	51.4	5.5	1.6	.419	.355	70	88	WSW	6	—	1	2	0	—	12.5	44	Fine and sunny.
7	30.07	30.02	67.2	55.4	72.9	40.3	7.6	1.4	.411	.398	61	91	—	1	—	0	0	2	—	12.8	35	Fine and sunny.
8	30.02	30.01	61.4	62.9	72.0	50.7	2.5	2.1	.462	.501	85	88	W	4	—	0	3	9	—	4.7	44	Fine, but cloudy.
9	29.99	29.95	60.8	53.1	66.2	52.8	2.2	1.1	.461	.373	87	92	—	3	—	0	10	3	—	3.6	45	Cloudy.
10	29.95	30.01	66.8	54.7	73.0	43.5	5.9	1.3	.453	.391	70	92	—	1	—	0	0	4	—	12.6	40	Fine and sunny.
11	30.05	30.11	66.0	54.8	70.0	46.2	4.4	1.8	.483	.378	76	88	—	3	—	0	4	0	—	12.7	43	Fine and sunny.
12	30.12	30.12	58.2	58.3	76.0	49.2	2.2	2.2	.418	.422	86	86	WSW	7	—	0	10	0	—	9.4	45	Cloudy a. Bright p.
13	30.05	29.98	60.0	61.7	76.7	52.9	2.2	2.8	.447	.459	87	83	WSW	9	WSW	9	10	8	.080	7.3	47	Cloudy.
14	29.98	30.03	64.2	64.9	69.8	59.0	2.2	2.7	.522	.518	87	84	—	3	WSW	6	10	9	.025	0.3	52	4.30a.-7a. Overcast.
15	30.02	30.03	68.2	67.8	77.0	61.5	4.2	6.7	.531	.446	77	66	WSW	7	—	2	8	3	—	9.7	57	Fine.
16	29.82	29.63	58.1	56.8	68.9	55.5	6.5	7.5	.523	.435	67	62	—	3	E	5	0	6	.045	10.8	55	4.30a.-7a. Overcast.
17	58	60	56.4	56.0	68.9	55.5	1.3	2.9	.416	.368	92	82	W	6	—	3	10	2	—	5.9	50	4.30a.-7a. Overcast.
18	54	46	55.5	55.1	59.8	41.4	3.1	3.6	.360	.336	80	77	—	3	ENE	4	10	8	.025	3.5	36	Cloudy. 6.10p.-6.30p.
19	42	54	54.0	58.0	66.6	49.9	2.2	3.4	.355	.383	85	79	NW	6	SW	9	8	7	.095	3.2	50	Cloudy. 7a.-9a.
20	71	75	60.2	58.2	67.6	52.0	5.6	5.0	.357	.345	68	71	W	10	SW	8	5	2	.090	8.7	47	Cloudy. 4p.-6p. and 10p.
21	62	61	58.0	51.1	62.6	50.3	3.1	3.3	.390	.293	81	78	W	6	W	4	10	6	.110	4.3	43	Fine.
22	49	56	54.9	49.9	61.9	48.8	4.1	2.1	.322	.306	75	87	W	7	—	3	8	2	.420	4.9	42	4.30a.-noon. Cloudy.
23	55	51	53.8	54.2	62.6	40.0	3.1	1.4	.330	.380	79	91	W	6	—	0	5	10	.180	2.7	39	Cloudy. 7a.-9a.
24	36	51	58.8	57.8	64.1	53.1	1.0	2.4	.461	.407	94	84	SSW	10	—	3	10	10	.015	0.4	53	Cloudy. 7a.-9a.
25	50	53	58.1	57.8	64.3	55.4	2.0	1.7	.423	.427	87	89	SW	6	—	1	7	10	.045	0.1	54	Overcast. 7a.-9a.
26	61	81	58.5	53.4	62.0	52.7	2.1	3.4	.426	.317	86	78	—	6	NW	5	10	0	—	1.5	47	Cloudy.
27	89	29.86	52.8	56.4	60.5	45.3	2.9	1.5	.324	.410	80	90	—	3	SW	6	10	8	.008	0.2	40	Overcast, with 6.
28	29.99	30.07	56.7	54.7	62.2	51.9	4.1	2.3	.346	.363	75	85	WNW	5	—	0	9	3	—	2.7	50	Cloudy and overcast.
29	30.01	29.95	56.5	59.3	66.1	46.7	3.9	1.1	.348	.470	76	93	SW	8	WSW	8	9	4	—	3.3	42	Cloudy.
30	29.74	29.85	59.3	48.9	59.8	48.7	2.4	2.5	.429	.287	85	83	SW	9	—	3	10	4	.225	0.5	42	4.30a.-p. Overcast.
31	77	64	52.2	54.1	62.0	41.0	2.3	3.6	.331	.321	84	77	WSW	6	W	8	9	4	—	3.5	36	Fine, but cloudy.
32	29.75	29.87	52.8	53.6	58.1	43.9	5.5	8.2	.265	.223	67	55	NW	6	—	3	9	8	—	8.5	37	Cloudy.
M.	29.824	29.839	59.5	56.6	66.9	49.8	3.5	2.8	.406	.383	79	83	—	6	—	3	7.4	4.9	1.363	164	45.0	

BIRR CASTLE, KING'S COUNTY, a.b.—AUGUST 1909.

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	29.82	29.92	57.8	56.9	63.8	54.1	1.3	2.4	.440	.392	92	85	NW	1	NW	1	10●	7	.003	2.0	—	Fine.
2	30.02	30.05	57.7	54.7	63.8	42.3	3.1	1.8	.387	.377	81	88	NW	2	Calm	0	6	8	—	8.5	—	Cloudy.
3	30.01	29.93	60.7	59.7	65.5	47.5	3.5	3.2	.420	.414	79	81	SSW	2	SW	1	9	10	—	1.0	—	Cloudy.
4	29.89	29.94	62.8	61.0	71.7	53.3	3.8	3.7	.446	.419	78	79	SW	3	SW	1	9	8	—	3.5	—	Cloudy.
5	30.03	30.05	63.7	59.7	72.7	52.7	5.4	2.7	.415	.427	70	84	SW	1	Calm	0	4	7	—	11.3	—	Fine and sunny.
6	30.04	30.10	61.1	59.6	75.0	45.2	2.6	2.5	.454	.431	84	85	SW	2	NW	1	3	8	—	12.8	—	Fine and sunny.
7	30.02	30.00	58.7	64.3	68.7	52.8	1.5	2.4	.446	.518	90	86	NW	1	Calm	0	10	10	—	1.9	—	Cloudy.
8	29.96	29.91	66.7	63.7	73.1	50.6	5.6	2.8	.459	.494	70	83	N	1	Calm	0	7	6	—	11.3	—	Fine and sunny.
9	29.94	29.99	60.7	62.9	71.9	53.4	0.8	2.9	.504	.475	95	83	N	1	Calm	0	10	10	—	6.5	—	≡ 2 nd 4 th . Cloudy.
10	30.04	30.10	53.9	61.7	73.7	50.9	1.2	1.8	.381	.490	92	89	N	1	Calm	0	10	10	—	9.0	—	≡ n. Fine and very warm.
11	30.14	30.10	58.7	59.9	75.7	50.3	1.0	2.9	.462	.424	94	83	NNW	1	SW	1	10	8	—	8.6	—	≡ n. Cloudy and very warm.
12	30.04	30.01	63.7	60.9	72.9	51.9	1.9	2.0	.523	.469	89	88	SW	2	SW	2	9	10	—	6.0	—	Cloudy and warm.
13	29.98	30.09	66.9	64.7	68.8	59.8	2.9	1.8	.550	.546	83	89	SW	2	SW	2	9	10	.014	2.3	—	Cloudy and warm.
14	30.04	29.99	64.7	64.7	69.7	61.8	1.7	1.8	.549	.546	90	89	SW	2	SW	1	10	10	—	1.9	—	● 7 th -8 th . Cloudy.
15	29.80	29.80	61.2	65.5	76.7	59.3	1.6	1.7	.503	.565	90	90	S	4	S	2	10	10	.012	9.1	—	Fine and sunny.
16	59	63	60.7	55.8	66.3	55.8	2.7	1.9	.443	.392	84	87	NW	2	NW	1	7	10	—	6.5	—	● shower n. Cloudy.
17	52	41	57.7	54.9	64.8	42.1	3.5	3.8	.376	.329	78	76	NW	1	N	1	10	10	—	5.5	—	Cloudy.
18	47	53	59.9	57.9	65.7	42.0	6.8	5.0	.324	.341	63	71	NNW	2	SW	3	2	10●	.064	6.7	—	Fine day. ● n.
19	71	73	60.0	61.3	65.8	51.8	5.0	4.3	.369	.407	71	75	W	2	SW	5	10	10	.042	10.0	—	● a. Cloudy.
20	71	61	56.9	52.0	63.0	51.0	2.2	2.1	.398	.333	86	85	WSW	3	W	2	10●	7	.039	4.5	—	● showers.
21	51	60	54.9	50.9	61.7	49.6	3.8	1.9	.329	.324	76	87	WSW	3	W	1	10	10	.012	6.7	—	Dull. ● from 5p.
22	55	45	57.1	54.9	61.7	43.1	5.1	1.2	.326	.397	70	93	NNW	2	W	2	9	10●	.147	—	—	● showers.
23	35	48	58.3	57.8	62.6	53.1	1.4	1.7	.444	.427	90	89	W	1	SW	2	10●	10	.020	1.5	—	● showers.
24	50	52	58.2	57.9	65.8	55.2	1.3	2.0	.445	.420	91	87	SW	1	W	2	10	10	.276	2.7	—	● showers.
25	64	84	57.9	52.1	64.7	51.7	1.7	2.1	.428	.334	89	85	W	2	NW	1	10	10	—	3.4	—	Cloudy.
26	90	29.91	52.9	56.9	59.7	42.1	2.0	0.7	.346	.441	87	95	NW	2	WSW	2	10	10	—	0.2	—	Cloudy.
27	93	30.05	57.1	52.0	62.1	48.6	2.9	2.2	.382	.330	81	85	NW	2	NW	2	10	7	—	2.8	—	Cloudy.
28	99	29.93	59.0	59.9	62.0	46.8	3.9	2.0	.383	.452	77	88	SSW	2	SSW	1	10	10●	.110	1.3	—	Cloudy. ● n.
29	72	86	58.7	46.9	59.9	46.8	2.8	2.0	.409	.274	82	86	SW	1	NNW	2	10	8	.428	2.3	—	● till 2p.
30	78	68	55.9	54.9	60.8	41.7	2.0	4.1	.391	.322	87	75	W	3	WSW	3	10	10	.012	3.5	—	● showers.
31	29.77	29.88	53.7	49.9	57.9	45.8	5.4	2.9	.277	.287	67	81	WNW	4	N	2	4	10	—	7.6	—	Cloudy.
M.	29.820	29.832	59.3	57.9	66.7	50.1	2.9	2.4	.420	.413	82	85		1.9		1.4	8.7	9.2	1.179	161	—	

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—AUGUST 1909.

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. 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	4, 10	1, 8	5, 12	11	25, 4	26, 6	— 2	— 1	3, 10	24	14, 5	13, 12	15, 15	15, 17, 24	30, 13	30, 11	23, 25
2	32, 14	30, 10	32, 17	14	2, 10	1, 15	32, 14	30, 7	3, 18	14, 15	20, 18	30, 11	30, 4	30, 11	29, 7	— 47	12, 45
3	15, 15	16, 11	16, 22	24	1, 5	8, 8	15, 7	— 2	12, 15, 19	11	15, 17, 24	30, 11	16, 6	17, 7	— 1	— 31	10, 0
4	23, 19	22, 12	24, 23	15	20, 18	23, 11	21, 11	2	15, 4	20, 12	1	14, 5	13, 12	14, 6	— 2	— 20	13, 25
5	24, 15	22, 4	23, 18	11	21, 4	30, 5	— 2	15, 4	24, 6	8	24	7, 4	7, 5	— 3	— 1	— 1	?
6	16, 7	20, 15	20, 15	18	24, 6	26, 7	28, 4	24, 6	23, 10	13	— 1	— 1	— 3	— 3	— 1	— 1	?
7	23, 23	24, 22	24, 24	19	25, 6	23, 10	27, 10	24, 7	24, 10	16	5, 6	5, 7	5, 7	5, 7	4, 10	— 17	21, 0
8	24, 10	24, 11	26, 13	1	4, 4	9, 7	11, 6	— 3	10, 9	14	1, 10	— 1	— 1	— 1	— 1	— 1	?
9	24, 15	25, 12	23, 25	11	27, 4	9, 6	9, 4	— 2	9, 10	14	1, 10	— 1	— 1	— 1	— 1	— 1	?
10	17, 5	16, 8	21, 21	24	13, 7	12, 18	19, 15	20, 12	12, 18	13	20, 5	3, 5	— 3	— 3	— 2	— 21	8, 35
11	24, 26	24, 15	24, 30	12	24, 12	25, 12	26, 10	25, 7	24, 14	4	24, 4	24, 10	23, 7	22, 9	— 2	— 17	11, 15
12	22, 26	26, 21	25, 28	15	22, 23	16, 24	14, 24	12, 24	24, 19	11	27, 11	27, 10	3, 6	— 2	— 20	9, 10	15, 15
13	25, 32	26, 21	26, 34	11	28, 8	5, 5	5, 27	11, 27	20, 23	12	23, 8	26, 12	26, 12	30, 4	— 4	— 25	14, 15
14	13, 5	14, 10	14, 12	20	— 3	26, 10	25, 11	24, 12	26, 15	15	23, 8	12, 11	15, 10	16, 7	— 7	— 20	14, 25
15	21, 16	— 3	23, 19	5	20, 7	21, 10	6, 4	21, 5	21, 11	20	14, 12	14, 11	18, 12	20, 9	— 9	— 25	17, 35
16	— 27	— 27	— 19	—	15, 4	12, 14	28, 5	26, 5	12, 14	13	27, 6	6, 7	9, 16	10, 21	— 31	— 31	23, 20
17	28, 8	16, 4	28, 9	1	1, 5	7, 9	9, 12	9, 10	10, 15	24	16, 10	14, 18	26, 15	25, 7	— 7	— 43	13, 55
18	13, 15	13, 8	13, 14, 18	18, 23	4, 15	32, 18	29, 12	25, 4	7, 22	7	22, 17	22, 15	24, 4	21, 7	— 28	— 28	13, 40
19	22, 21	19, 16	21, 26	11	23, 15	23, 15	22, 15	20, 15	20, 19	23	19, 12	19, 15	18, 14	20, 11	— 32	— 32	14, 20
20	22, 17	21, 6	21, 23	9	20, 16	24, 9	21, 7	23, 5	20, 16	9	26, 4	5, 6	13, 12	— 2	— 18	— 18	17, 25
21	29, 8	30, 10	20, 12	2	24, 7	25, 8	27, 8	25, 6	20, 12	4	25, 11	26, 10	32, 4	21, 4	— 21	— 21	9, 15
22	31, 14	32, 10	31, 15	11	31, 11	2, 7	12, 5	18, 4	29, 12	8	20, 7	16, 10	17, 11	18, 12	— 32	— 32	14, 0
23	10, 12	9, 15	10, 9, 15	15, 18	16, 11	14, 14	13, 8	20, 11	14, 15	12	19, 10	22, 10	20, 4	20, 4	— 22	— 22	12, 5
24	8, 15	6, 22	5, 26	21	20, 8	27, 7	25, 7	23, 7	20, 14	11	24, 6	21, 4	25, 6	29, 7	— 19	— 19	13, 30
25	1, 23	32, 20	3, 28	9	27, 9	31, 11	31, 10	32, 20	32, 20	20, 21, 24	31, 8	30, 7	— 2	— 3	— 24	— 24	8, 20
26	26, 6	16, 7	30, 14	1, 3	21, 1	10, 9	24, 6	24, 7	28, 12	9	22, 7	24, 7	2, 4	— 2	— 15	— 15	13, 55
27	26, 22	25, 15	26, 22	13	28, 12	2, 5	13, 6	20, 7	20, 15	6, 8	26, 4	14, 16	15, 8	18, 8	— 24	— 24	14, 30
28	26, 22	25, 15	26, 22	13	20, 15	22, 12	23, 10	21, 6	20, 17	24	20, 10	22, 10	25, 9	23, 4	— 24	— 24	11, 50
29	25, 14	27, 13	26, 18	15	21, 12	32, 11	2, 4	— 2	27, 16	24	30, 11	28, 8	25, 10	22, 10	— 23	— 23	9, 20
30	18, 7	28, 13	4, 22	21	26, 10	26, 12	24, 13	26, 14	31, 22	6	26, 21	29, 17	27, 10	26, 8	— 44	— 44	11, 10
31	29, 26	29, 26	29, 29	16	31, 18	31, 18	29, 11	28, 7									

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 52 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.
	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	— 0	— 10	— 19	17, 15	— 4	— 3	— 5	— 3	— 17	2, 15	25, 8	25, 9	29, 6	29, 6	— 13	22, 10
2	— 9	— 8	— 27	18, 40	— 19	— 28	— 22	— 16	— 45	15, 0	1, 9	32, 10	32, 12	32, 11	— 23	15, 55
3	— 9	— 3	— 13	14, 45	— 18	— 17	— 7	— 0	— 29	12, 45	7, 5	12, 6	— 0	— 1	— 14	0, 20
4	— 0	— 0	— 8	15, 45	— *	— *	— *	— *	— *	?	18, 7	17, 9	16, 6	— 2	— 11	7, 30
5	— 0	— 0	— 12	15, 5	— 4	— 2	— 1	— 0	— ?	?	10, 13	10, 12	10, 8	10, 6	— 19	11, 5
6	— 8	— 1	— 14	13, 45	— 9	— 17	— 15	— 13	— 25	14, 25	7, 7	5, 8	3, 8	3, 6	— 14	24, 0
7	— 4	— 0	— 7	13, 0	— 13	— 10	— 9	— 2	— 19	9, 25	4, 6	3, 6	3, 4	3, 10	— 17	23, 50
8	— 6	— 0	— 15	12, 30	— 13	— 20	— 13	— 9	— 26	12, 30	4, 8	3, 11	3, 11	2, 8	— 10	14, 5
9	— 0	— 1	— 14	15, 40	— 18	— 21	— 15	— *	— 30	12, 50	2, 11	32, 11	32, 11	2, 6	— 18	3, 0
10	— 3	— 0	— 11	13, 20	— 19	— *	— *	— *	— 29	15, 15	1, 11	1, 8	2, 9	2, 6	— 16	2, 35
11	— 0	— 2	— 15	14, 15	— 1	— 4	— 0	— 0	— ?	?	2, 4	— 3	— 3	— 2	— 8	4, 0
12	— 0	— 0	— 11	0, 45	— *	— *	— 3	— 0	— 22	15, 25	31, 7	31, 10	31, 7	30, 6	— 16	7, 15
13	— 9	— 7	— 19	8, 35	— 8	— *	— 1	— 3	— 23	13, 10	— 2	— 3	— 3	5, 6	— 8	3, 20
14	— 0	— 1	— 10	14, 40	— 3	— 8	— *	— *	— 13	12, 10	12, 14	13, 10	13, 6	11, 6	— 20	15, 10
15	— 9	— 11	— 23	22, 10	— 13	— 17	— 14	— 8	— 28	15, 30	27, 11	27, 18	27, 15	27, 14	— 30	12, 0
16	— 9	— 9	— 23	17, 5	— 13	— 11	— 2	— 14	— 28	24, 0	13, 4	12, 17	11, 20	21, 21	— 35	21, 35
17	— 14	— 17	— 32	18, 0	— 4	— 11	— 15	— 13	— 40	3, 10	28, 35	27, 23	23, 17	24, 15	— 75	4, 20
18	— 20	— 14	— 42	11, 45	— 22	— 18	— 21	— 17	— 43	14, 10	24, 15	23, 13	23, 12	22, 12	— 26	10, 0
19	— 16	— 15	— 26	4, 5	— 20	— 26	— 23	— 22	— 40	19, 25	19, 20	23, 17	20, 13	27, 16	— 40	15, 0
20	— 24	— 10	— 34	13, 0	— 24	— 24	— 7	— 8	— 27	0, 15	27, 15	28, 23	29, 25	28, 21	— 41	15, 0
21	— 9	— 4	— 30	16, 5	— 9	— 3	— 10	— 10	— 25	15, 55	29, 6	26, 6	25, 8	24, 6	— 24	0, 25
22	— 0	— 10	— 15	18, 20	— 10	— 13	— 10	— 20	— 32	16, 5	22, 12	23, 10	25, 9	23, 10	— 31	3, 10
23	— 13	— 15	— 28	8, 5	— 17	— 21	— 20	— 8	— 34	8, 5	20, 10	— 3	26, 8	26, 14	— 26	20, 35
24	— 7	— 0	— 15	11, 0	— 22	— 16	— 14	— 8	— 27	12, 10	28, 23	28, 19	28, 19	28, 14	— 42	3, 0
25	— 14	— 6	— 28	12, 35	— 8	— 15	— 7	— 8	— 24	11, 25	30, 11	30, 12	29, 8	29, 9	— 25	0, 20
26	— 11	— 7	— 22	13, 30	— 10	— 13	— 7	— 1	— 12	7, 55	32, 8	2, 9	2, 11	1, 7	— 23	17, 25
27	— 5	— 7	— 17	11, 25	— 6	— 6	— 10	— 0	— 16	17, 5	— 1	32, 5	32, 5	32, 5	— 11	1, 45
28	— 3	— 0	— 7	14, 50	— 3	— 3	— 14	— 10	— 23	16, 30	24, 5	32, 4	24, 12	32, 10	— 34	21, 5
29	— 1	— 3	— 26	23, 15	— 11	— 17	— 6	— 8	— 33	9, 5	30, 10	28, 13	27, 20	28, 19	— 32	0, 30
30	— 8	— 7	— 24	9, 15	— 21	— 17	— 6	— 8	— 40	8, 50	32, 18	32, 17	32, 15	32, 10	— 38	2, 0
31	— 16	— 8	— 31	13, 10	— 30	— 18	— 19	— 10								

Time is referred to 24h.

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	—	1	—	2	31, 4	—	2	1, 12	30, 13	25, 14	—	27	19, 7	32, 13	1, 7	31, 12
2	—	1	—	2	31, 4	—	2	1, 12	30, 13	25, 14	—	27	19, 7	32, 13	1, 7	31, 12
3	23, 8	—	3	2	2, 7	4, 14	2, 10	1, 10	3, 8	—	21	3, 17	3, 15	2, 8	2, 4	—
4	23, 10	23, 7	—	3	2, 7	4, 14	2, 10	1, 10	3, 8	—	21	3, 17	3, 15	2, 8	2, 4	—
5	—	3	—	2	24, 22	19, 11	22, 12	23, 16	19, 7	—	22	17, 12	18, 15	18, 14	19, 14	—
6	26, 5	23, 4	—	2	24, 22	22, 11	28, 8	29, 7	—	3	17	18, 12	19, 13	20, 4	—	3
7	23, 7	23, 6	—	3	26, 7	—	3	28, 11	27, 14	—	16	—	2	16, 4	24, 4	—
8	21, 6	—	3	3	19, 22	23, 7	28, 11	27, 14	28, 12	—	20	26, 7	29, 9	30, 7	30, 4	—
9	22, 7	21, 7	—	3	24, 10	23, 5	25, 7	28, 11	27, 8	—	16	1, 30	2, 6	1, 10	1, 7	—
10	22, 6	20, 4	—	3	22, 6	28, 8	27, 11	28, 14	25, 10	—	23	15, 55	1, 9	1, 7	31, 5	31, 5
11	22, 7	24, 4	—	3	22, 9	18, 4	23, 12	24, 5	25, 4	—	17	14, 10	31, 13	30, 5	—	2
12	22, 12	22, 9	—	3	22, 12	22, 7	26, 7	27, 8	23, 6	—	14	10, 35	20, 6	20, 5	—	3
13	24, 13	25, 12	—	3	24, 13	23, 13	27, 12	23, 11	21, 13	—	26	11, 55	20, 12	24, 6	19, 15	20, 12
14	23, 10	23, 9	—	3	23, 13	27, 18	27, 13	27, 10	24, 9	—	29	3, 15	30, 4	30, 6	—	2
15	16, 5	—	2	22, 16, 19	5, 6	24, 27	24, 22	24, 16	23, 17	—	34	9, 0	22, 13	18, 10	17, 10	22, 11
16	24, 5	24, 8	—	2	4, 13, 14	16, 7	27, 6	1, 4	5, 6	—	17	2, 10	18, 10	18, 6	18, 4	—
17	—	2	—	2	20	—	3	26, 11	26, 16	—	32	15, 50	21, 8	26, 18	24, 7	21, 12
18	28, 7	24, 7	—	2	21, 24	28, 5	32, 5	5, 11	7, 10	—	21	0, 15	1, 7	2, 8	4, 15	4, 18
19	22, 14	20, 8	—	2	6	1, 13	32, 12	25, 17	23, 25	—	36	23, 20	4, 21	29, 18	21, 10	21, 13
20	21, 4	21, 7	—	2	11, 14, 16	24, 26	22, 24	20, 18	18, 14	—	40	1, 10	20, 18	20, 18	19, 17	19, 18
21	25, 10	22, 10	—	2	10	20, 22	25, 15	23, 20	23, 22	—	36	10, 40	20, 18	24, 15	22, 12	24, 14
22	24, 10	23, 4	—	2	11, 12	24, 23	26, 20	27, 21	28, 23	—	35	5, 55	23, 21	25, 18	25, 14	27, 12
23	15, 8	22, 6	—	2	14, 16	28, 21	26, 16	24, 10	23, 10	—	35	4, 15	26, 17	26, 13	20, 10	20, 11
24	21, 9	22, 4	—	2	15	13, 15	14, 16	20, 10	21, 14	—	27	10, 45	16, 21	18, 16	20, 10	20, 6
25	25, 10	32, 10	—	2	12	22, 15	23, 19	23, 12	23, 11	—	23	10, 40	20, 14	20, 13	20, 10	20, 10
26	24, 10	24, 10	—	2	12	26, 18	25, 20	1, 13	32, 6	—	26	15, 55	25, 18	25, 15	29, 18	30, 18
27	25, 12	25, 8	—	2	12	22, 8	26, 15	24, 19	23, 21	—	26	21, 30	30, 13	28, 7	20, 12	20, 10
28	22, 11	23, 7	—	2	13	29, 24	27, 21	28, 18	27, 14	—	30	8, 35	28, 15	28, 12	28, 7	28, 7
29	22, 11	21, 6	—	2	16	21, 14	24, 16	22, 13	21, 11	—	27	15, 30	24, 10	21, 15	18, 15	18, 13
30	25, 10	22, 15	—	2	18, 24	20, 15	22, 24	29, 23	31, 21	—	38	15, 35	19, 14	20, 15	32, 23	31, 23
31	30, 11	25, 6	—	2	10	31, 14	25, 25	23, 33	26, 37	—	51	20, 55	26, 18	25, 19	23, 18	24, 26
						31, 21	29, 16	28, 25	29, 25	—	53	1, 40	29, 25	30, 18	30, 22	29, 23

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	26, 4	6, 10	6, 10	17, 18	30, 5	1, 5	—	1 30, 9	25, 15	24	—	0	0	0	2	?		
3	32, 4	31, 4	4, 5	11	1, 13	3, 9	9, 5	17, 6	24, 20	3	—	14	7	7	—	20	8. 20	
4	21, 10	19, 7	20, 21, 10	13, 23, 24	9, 6	20, 12	19, 10	18, 12	19, 17	23	—	1	12	11	—	22	15. 25	
5	21, 4	21, 6	21, 7	16	12, 4	10, 7	20, 7	20, 14	18, 20, 23	14	—	11	15	10	0	21	15. 40	
6	20, 10	25, 7	23, 21, 10	12, 14, 15	5, 4	9, 7	11, 5	—	9, 7	12	—	8	0	5	—	*	*	
7	24, 10	24, 12	24, 12	17, 18	27, 7	9, 5	—	0	1	25, 21	6	—	6	4	8	—	*	
8	21, 6	26, 4	21, 24, 7	2, 14, 15	5, 4	6, 7	—	1	0	6, 8	12	—	12	10	0	2	16	12. 50
9	26, 10	26, 8	26, 10	10, 12, 13, 16	—	2, 9, 4	—	1	0	26, 9	4	—	11	6	5	0	13	13. 55
10	27, 4	21, 8	26, 9	16	6, 5	11, 7	12, 9	—	0	11, 14	16	—	5	8	2	0	16	12. 50
11	23, 7	23, 9	23, 13	6	26, 11	11, 10	13, 7	—	2	26, 12	8	—	2	10	6	0	15	13. 40
12	23, 13	24, 16	23, 21	11	25, 9	12, 11	23, 15	22, 21	23, 23	20	—	4	10	0	13	0	20	22. 10
13	26, 12	25, 10	26, 13	14	28, 6	10, 5	—	2	23, 10	22, 21	1	—	0	0	11	0	17	15. 40
14	24, 12	24, 6	24, 12	16, 17	24, 24	22, 12	22, 10	23, 11	24, 24	9	—	6	10	7	4	—	18	11. 55
15	21, 10	19, 7	21, 10	14	12, 17	12, 16	14, 12	15, 16	12, 15	18	—	14	12	8	2	—	19	9. 50
16	25, 10	25, 11	26, 12	15, 16, 17	23, 17	28, 15	27, 15	23, 12	25, 19	10	—	21	16	6	0	7	?	*
17	16, 4	7, 10	7, 10	16	—	2, 9, 11	5, 12	4, 17	2, 21	24	—	*	*	*	*	*	*	*
18	—	3, 21, 7	19, 10	22	25, 14	25, 18	21, 14	19, 17	1, 26	1	—	*	*	*	*	*	*	*
19	23, 18	21, 10	23, 21, 18	8, 11, 14	22, 19	21, 24	21, 10	17, 8	21, 27	14	—	—	16	11	—	8	*	*
20	21, 12	23, 12	21, 16	2	21, 21	22, 18	24, 21	22, 12	20, 29	1	—	12	19	18	7	—	35	15. 0
21	27, 12	27, 11	25, 15	15	23, 22	25, 15	27, 16	26, 17	22, 28	3, 5	—	17	26	25	10	—	39	11. 40
22	27, 8	27, 7	27, 26, 8	13, 14, 16	24, 14	24, 7	14, 9	17, 6	22, 21	5	—	7	12	13	12	—	22	16. 0
23	7, 10	7, 9	7, 10	10, 13, 16, 17, 19	16, 13	22, 15	23, 11	19, 6	22, 24	11	—	11	15	10	8	—	23	13. 55
24	22, 7	23, 7	23, 10	15	22, 8	23, 11	25, 7	24, 7	22, 12	6	—	3	5	15	8	—	20	18. 10
25	32, 6	32, 7	2, 9	19	24, 21	26, 17	27, 18	26, 10	24, 21	7, 9	—	*	*	*	*	*	*	*
26	* 21, 10				24, 11	24, 10	22, 16	21, 10	23, 21	1, 2, 3, 4	—	5	6	10	3	—	23	3. 15
27	25, 8	24, 9	26, 10	16	28, 11	28, 8	24, 7	23, 5	24, 20	1	—	8	10	8	3	—	22	1. 50
28	20, 13	21, 9	20, 15	14	20, 16	22, 11	21, 7	21, 7	20, 17	10	—	0	19	*	*	—	*	*
29	26, 5	28, 11	28, 11	18	20, 8	21, 20	28, 11	28, 18	32, 25	14	—	*	12	21	—	—	*	*
30	24, 14	25, 13	24, 18	15	24, 18	23, 21	24, 20	26, 22	24, 26	20	—	10	21	20	20	—	39	19. 55
31	27, 7	28, 11	27, 12	24	28, 21	29, 16	28, 18	27, 17	24, 26	2, 4	—	23	25	19	15	—	35	12. 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 $V^2 = 3.5 B^3$) 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.

DEERNES, ORKNEY, a.b.—SEPTEMBER 1909.

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 Glass.	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.	°	°	°	°	°	°	in.	in.	%	%	*	*			ins.	hrs.	°					
1	29.52	29.67	49.0	48.0	51.8	45.0	3.9	3.5	.257	.253	74	76	NW	24	NW	15	9	10	—	2.0	—	Breezy and cold a. Fine p.		
2	29.69	29.65	51.0	52.8	54.5	43.0	2.0	0.6	.323	.393	86	95	W	14	WNW	16	10	100°	0.4	0.3	—	—	Drizzling after 5p.	
3	29.72	29.55	52.8	50.0	54.0	48.0	4.4	2.7	.288	.293	72	82	W	13	WSW	13	8	3	0.16	2.7	—	—	● 1p.—4p.	
4	29.38	29.51	48.0	48.0	52.8	46.0	1.2	2.0	.304	.285	92	86	SW	10	NW	13	7	6	0.195	6.2	—	—	Mammalated clouds 11a.—2p.	
5	29.68	29.63	47.0	45.8	49.8	44.3	1.9	3.0	.277	.233	87	76	NW	10	E	4	8	10	0.07	2.5	—	—	Fine p.	
6	29.11	29.22	52.1	47.2	56.8	45.0	0.1	1.2	.387	.295	99	92	S	11	NE	28	10	100°	0.15	3.2	—	—	● 3a.—8a. and afternoon.	
7	29.39	29.65	48.2	47.2	51.3	45.5	2.2	2.6	.283	.264	85	82	S	34	N	30	9	4	0.42	2.4	—	—	Strong wind all day.	
8	29.83	29.85	48.3	45.8	50.8	44.2	3.8	2.8	.251	.246	74	80	N	22	NNW	7	9	10	—	2.0	—	—	—	● 2 past n.
9	29.71	29.80	50.2	49.0	52.3	43.0	0.7	1.5	.346	.310	96	90	WNW	13	WNW	6	9	3	0.05	0.2	—	—	≡ and drizzling after 4p.	
10	29.96	30.06	54.5	53.2	58.8	40.5	0.5	0.2	.410	.400	96	99	NW	11	NW	4	10	10	—	0.3	—	—	—	≡ and drizzling after 4p.
11	29.95	29.86	52.2	49.9	54.8	48.8	0.2	0.2	.385	.354	99	99	SSE	7	S	12	10	≡	0.03	1	—	—	—	Dry and breezy p.
12	29.87	30.02	52.4	47.0	52.9	45.8	0.3	2.3	.385	.268	98	84	W	5	NNW	12	10	≡	—	5.2	—	—	—	Fine day.
13	30.10	30.16	50.8	47.0	54.3	43.4	3.4	1.1	.287	.296	77	92	NW	12	—	2	8	0	—	10.8	—	—	—	⊕ 11a. Very fine.
14	29.17	29.14	52.0	48.2	55.0	42.8	3.5	0.9	.299	.315	77	94	S	7	SSW	4	2	0	—	11.1	—	—	—	Very fine and bright.
15	29.10	29.03	50.0	51.2	54.8	45.5	2.2	1.1	.355	.348	85	93	S	10	S	11	2	0	—	12.1	—	—	—	Very fine and bright.
16	29.03	29.00	53.4	52.0	54.7	48.6	3.4	0.4	.317	.377	78	97	S	15	S	13	5	1	—	1.1	—	—	—	≡ after 3p.
17	29.00	29.95	53.7	52.0	55.8	50.0	0.4	0.2	.402	.370	93	98	S	10	SSE	14	10	10	—	1.1	—	—	—	∞a. Very fine day.
18	29.92	29.90	54.0	51.3	56.6	49.8	1.0	0.3	.388	.370	93	96	S	7	NW	4	9	3	—	2.0	—	—	—	∞a. ∞ 11a.—2p.
19	29.78	29.81	54.0	48.4	54.8	47.0	0.7	0.6	.397	.326	95	96	NNW	13	N	18	4	9	0.02	3.4	—	—	—	Very cold. Breezy all day.
20	29.85	29.88	50.1	46.0	52.0	45.0	2.1	3.0	.308	.244	85	79	NNE	21	ENE	9	10	1	—	0.5	—	—	—	Drizzling showers till 6p. ☼
21	29.78	29.69	48.1	50.8	51.8	44.2	1.3	0.5	.303	.359	91	96	SE	20	SSE	20	5	9	—	1.1	—	—	—	∞a. ≡ 1p.—7p.
22	29.62	29.82	53.8	52.6	54.2	49.8	1.3	1.5	.378	.356	91	90	SE	20	SE	6	9	10	0.07	—	—	—	—	☼ 2p.—3p.
23	29.94	30.00	51.5	51.0	53.0	48.2	0.7	0.6	.362	.358	95	96	S	12	SE	6	9	10	10	≡	—	—	—	≡ till 6p.
24	29.01	29.03	52.2	52.2	52.8	50.0	0.2	0.0	.385	.391	99	100	SE	10	E	7	10	≡	0.055	10	—	—	—	—
25	29.07	29.12	52.0	48.0	53.0	46.2	2.2	1.3	.304	.294	85	91	ENE	11	NE	10	7	8	—	0.3	—	—	—	Fine day.
26	29.12	29.08	50.0	47.3	52.6	45.4	2.2	1.3	.291	.313	81	90	NNE	5	NE	7	6	9	—	1.8	—	—	—	Very fine day.
27	29.04	29.00	50.0	49.3	52.3	44.0	2.8	1.5	.300	.325	76	87	E	17	SE	5	2	10	—	—	—	—	—	—
28	29.98	29.93	52.5	50.8	54.5	43.0	3.7	1.8	.342	.385	89	85	E	7	NW	4	9	5	—	—	—	—	—	—
29	29.78	29.76	52.0	48.2	54.8	47.0	1.6	2.2	.345	.280	89	89	W	15	—	2	9	10	0.29	2.4	—	—	—	Drizzling showers a.
30	29.59	29.55	49.7	46.6	51.8	45.8	1.6	1.6	.316	.280	89	89	W	15	—	2	9	10	—	—	—	—	—	—
M.	29.823	29.846	51.3	49.2	53.6	46.2	1.8	1.5	.334	.316	88	90	13	10	7.6	6.5	2.56	93	—	—	—	—	—	—

TILLYPRONIE, ABERDEENSHIRE.—SEPTEMBER 1909.

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.	°	°	°	°	°	°	°	in.	in.	%	%	†	†					Fine.
2	28.55	28.69	49.2	42.5	56.2	41.0	4.2	2.0	253	230	72	85	NW	8	NW	1	4	—	—	∞° and sunshine.
3	74	73	52.2	55.0	60.0	35.0	5.2	2.8	264	354	68	82	NW	2	NW	2	6	4	—	Sunshine.
4	73	67	49.0	46.2	57.0	43.5	3.3	2.2	270	263	77	85	NW	4	NW	2	4	3	02	Dull.
5	43	49	54.2	47.5	57.0	43.8	5.2	3.3	286	252	68	87	SW	6	SW	3	9	4	09	Sunshine.
6	70	66	48.0	45.8	53.5	41.5	3.8	1.5	247	274	74	89	E	2	E	3	8	9	08	Dull.
7	18	60	46.2	45.8	59.8	43.8	2.6	2.0	303	207	82	86	SE	4	SE	1	7	6	32	Dull.
8	38	65	44.8	43.8	50.8	40.5	1.3	1.6	267	250	90	88	N	3	NE	5	8	8	20	Dull.
9	80	85	46.2	46.0	51.0	38.5	3.2	1.5	242	276	78	90	N	6	NE	2	7	4	10	Drizzling ☉.
10	77	92	53.8	48.5	60.2	39.8	3.3	1.3	325	308	78	90	W	4	W	1	6	2	—	Sunshine.
11	98	97	51.0	51.0	62.8	43.0	0.5	0.5	361	361	97	97	W	1	W	1	10	7	01	—
12	93	84	46.2	48.3	61.5	42.8	0.2	0.3	308	331	99	98	S	1	S	1	10	10	—	—
13	28.53	28.99	51.8	47.0	53.5	43.5	0.8	1.7	304	282	94	88	W	2	W	4	8	2	48	—
14	29.08	29.15	45.5	42.0	54.0	37.2	2.4	1.5	250	235	83	89	N	1	N	1	5	0	—	Dull.
15	16	15	47.0	43.0	59.5	35.8	3.0	1.1	253	253	79	91	N	1	N	1	4	1	—	∞ and sunshine.
16	14	29.06	48.8	45.5	59.3	36.2	3.3	2.3	268	252	78	83	E	2	E	1	5	10	—	∞ and sunshine.
17	29.00	28.98	50.0	49.8	59.8	36.0	4.5	0.6	255	343	71	95	SE	5	SE	2	10	10	07	Sunshine.
18	28.96	29.07	51.8	46.2	59.8	35.8	0.3	0.2	378	308	98	99	SE	2	SE	1	0	0	—	☉ and slight sunshine.
19	94	91	53.0	51.2	67.5	43.0	2.2	1.4	342	340	85	91	SW	1	SW	1	0	0	—	☉
20	83	80	57.5	46.0	62.8	42.5	3.7	1.0	367	287	78	93	SE	4	SE	1	8	6	13	Sunshine.
21	83	80	47.2	42.8	61.8	42.0	1.7	2.0	285	233	89	85	W	2	W	4	7	4	—	—
22	73	60	43.0	47.5	60.0	40.0	1.2	0.5	251	316	90	96	NW	5	NW	2	9	9	27	—
23	63	83	46.8	45.2	54.8	41.0	0.8	0.2	301	297	94	99	E	5	E	3	8	8	—	☉ and sunshine.
24	91	97	47.2	46.8	60.0	40.0	1.2	0.6	295	366	92	95	SE	1	SE	1	10	10	03	☉
25	28.93	28.95	50.5	52.8	55.1	44.0	0.3	0.1	360	398	97	99	SE	1	SE	1	10	10	03	☉
26	29.00	29.04	51.2	51.0	55.2	49.8	0.2	0.5	371	361	99	97	SE	1	SE	1	10	10	15	☉
27	29.06	28.94	46.0	44.5	52.0	43.0	1.0	0.7	287	277	93	94	SE	1	SE	1	8	9	—	Dull. ☉
28	28.99	29.04	46.0	43.8	51.2	41.2	2.0	1.0	265	264	86	92	SE	1	SE	1	9	8	—	Dull. ☉ ☉
29	85	85	45.0	45.0	53.8	39.5	1.2	0.2	271	294	91	98	SE	1	SE	1	9	8	03	Dull.
30	74	72	47.8	48.8	55.8	44.0	0.8	1.8	312	300	94	87	SE	1	SE	1	9	8	—	Very dull. ☉
31	28.65	28.55	46.2	43.0	53.8	41.0	1.2	1.5	285	245	92	88	SE	1	SE	1	9	6	—	—
M.	28.805	28.823	48.9	46.8	57.2	41.0	2.2	1.3	296	292	86	91	2.6	1.7	7.2	5.9	2.01	—	—	—

LAUDALE, ARGYLESIRE, a.—SEPTEMBER 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 in.

1	29.85	29.90	52.2	49.5	62.7	49.4	3.5	3.2	301	277	77	78	N	4	N	2	10	5	—	—	—	Fine, but cold.	
2	98	98	51.5	55.7	57.3	39.0	3.0	1.7	395	395	80	89	N	0	W	5	10	10	06	—	—	Dull, with heavy mist.	
3	97	87	55.2	53.2	58.2	50.7	1.0	2.2	407	344	93	85	W	4	W	5	10	9	05	—	—	Stormy, with ☉.	
4	65	78	51.5	49.5	59.9	49.0	1.0	1.3	354	320	93	90	W	5	N	4	10	4	18	—	—	☉ a., then fine.	
5	92	70	56.3	53.7	57.3	46.0	4.1	2.0	341	357	74	87	N	0	S	7	8	10	57	—	—	Dull day.	
6	42	27	54.2	51.2	58.9	49.0	1.0	1.2	391	345	93	92	NW	6	NW	6	10	10	34	—	—	Stormy, with ☉.	
7	29.67	29.92	51.1	50.0	55.0	46.0	2.1	3.3	322	280	85	78	N	4	N	4	10	7	02	—	—	Cold, with ☉ showers.	
8	30.07	30.12	51.2	46.3	56.1	42.0	4.2	2.1	274	265	73	85	N	5	N	2	4	5	28	—	—	Fine and cold.	
9	01	13	56.2	54.3	62.5	45.5	1.2	0.6	416	405	92	96	N	4	N	1	8	10	04	—	—	Fine day.	
10	11	11	59.2	55.2	62.2	54.0	1.2	0.2	464	430	93	99	N	0	N	0	10	10	—	—	—	Dull, with heavy mist.	
11	08	00	52.5	54.3	65.2	50.0	0.0	0.3	396	413	100	98	N	0	N	0	10	10	—	—	—	Heavy mist.	
12	08	19	55.2	50.9	57.2	50.7	1.2	2.0	401	323	92	87	N	5	N	5	7	8	—	—	—	Fine, but cold.	
13	29	30	55.2	44.5	63.2	40.0	4.7	0.5	313	281	72	96	E	2	N	0	1	0	—	—	—	Very fine.	
14	34	34	54.3	44.0	61.2	41.0	3.0	0.0	339	288	80	100	E	2	N	0	1	0	—	—	—	Very fine.	
15	27	20	54.3	48.3	62.7	44.0	2.8	2.3	344	282	81	84	SE	1	N	0	1	0	—	—	—	Very fine.	
16	13	09	52.5	53.2	61.5	46.0	2.0	1.0	341	377	87	93	SE	4	S	4	2	4	—	—	—	Very fine.	
17	07	07	57.0	56.6	65.2	51.0	1.8	1.4	411	417	88	90	S	5	N	0	5	00	—	—	—	Very fine.	
18	09	07	59.5	54.3	67.2	51.0	2.5	0.9	429	396	85	94	S	4	S	2	5	5	38	—	—	Fine day.	
19	00	05	58.2	51.7	60.3	50.0	1.2	0.7	448	365	92	95	N	0	W	2	10	3	14	—	—	Misty, with ☉.	
20	30.08	30.05	52.2	48.5	61.5	43.0	2.0	0.5	337	328	86	96	N	2	N	0	4	8	—	—	—	Fine day.	
21	29.97	29.79	48.2	46.5	55.2	39.1	1.2	0.5	307	304	92	96	E	5	N	0	2	4	02	—	—	Dull and squally.	
22	29.78	29.92	51.5	55.6	56.7	46.0	2.0	0.6	329	425	87	96	S	5	S	4	10	10	—	—	—	Very fine.	
23	30.06	30.05	57.2	49.9	69.9	49.7	2.3	0.2	400	354	85	99	N	0	N	0	0	0	10	—	—	Very fine.	
24	02	08	60.0	54.5	62.3	49.9	2.8	0.5	429	410	83	96	S	3	N	0	10	10	—	—	—	Very fine.	
25	15	20	55.2	55.2	68.2	50.0	0.2	1.2	430	401	99	92	N	0	N	0	10	10	—	—	—	Dull and dark.	
26	22	18	55.2	55.3	57.3	47.5	1.2	0.3	401	429	92	98	N	0	N	0	10	10	94	—	—	Misty p.	
27	30.11	30.06	52.2	51.5	55.3	50.0	1.0	1.5	363	341	93	89	E	2	N	0	10	10	—	—	—	Dull and cold.	
28	29.99	29.98	52.2	48.2	58.2	48.2	1.2	0.2	358	332	92	99	E	5	N	0	2	1	—	—	—	Fine day.	
29	96	92	48.9	45.2	61.2	41.0	0.9	0.2	323	297	94	99	N	0	N	0	0	5	—	—	—	Very fine.	
30	29.86	29.72	49.2	48.2	54.2	44.0	0.2	0.2	345	332	99	99	N	0	N	0	10	10	—	—	—	Dull day.	
M.	30.007	30.000	54.0	51.2	60.5	46.8	1.9	1.1	367	350	88	93	2.6	1.8	6.7	6.1	4.02	—	—	—	—	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—SEPTEMBER 1909.

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—SEPTEMBER 1909.

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.			
	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.	9 a.m.	9 p.m.											
1	ins.	ins.	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	Fine day. ● showers. Dull and breezy. Fine a., then ● showers. ● showers. in afternoon. Dull a. Fine bright day. Drizzling ●. Drizzling ●. Dull. Dull. Fine day. Dull, with ●. Dull. Dull. Fine, then drizzling ●. Fine and bright. Dull, cool, and gusty. ☒ Dull. Misty. Dull, with ≡. < Cloudy day. Misty and cloudy. Dull, with ●. ● Cloudy day.
2	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
3	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
4	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
5	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
6	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
7	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
8	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
9	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
10	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
11	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
12	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
13	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
14	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
15	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
16	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
17	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
18	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
19	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
20	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
21	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
22	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
23	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
24	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
25	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
26	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
27	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
28	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
29	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
30	29.42	29.55	50.9	43.5	57.0	41.0	3.4	0.6	289	269	78	95	NNW	5	NNW	1	7	4	ins.	hrs.	3.8	39	
M.	29.683	29.685	52.1	49.3	56.8	44.1	2.0	0.9	341	332	87	94	2.7	2.4	7.5	7.4	2.02	89	42.7				

DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1909.

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	29.61	29.63	51.0	48.8	51.5	46.5	2.2	1.8	318	300	85	87	W	4-5	NW	2	9	10	• 10.30a.—4p.
2	29.76	29.81	54.0	54.3	58.8	43.2	3.1	1.5	332	379	79	90	NW	1	NW	1	3	10	Very fine till 4.30p. 10p.
3	29.85	29.86	55.8	56.0	62.0	54.0	2.8	2.2	410	386	83	86	W	1	WSW	3-4	7	10	Fine, then cloudy. 4.30p.
4	29.58	29.52	51.9	51.2	56.5	50.8	3.0	2.0	311	325	80	86	WSW	3-4	W	1	9	10	Squally till 3.30p.
5	29.72	29.61	55.9	54.8	59.0	47.2	3.6	0.3	337	422	78	98	W	2	SW	1	7	10	Very fine till 4p. 6p.
6	29.31	29.23	50.0	52.2	59.8	50.0	2.1	1.7	388	345	86	89	NW	3-4	W	4-5	9	10	Squally, with • showers.
7	29.36	29.55	50.3	49.4	56.2	48.2	2.1	2.9	311	283	85	81	NW	4-5	NNW	3-4	9	10	Fine after 10a. 3p.
8	29.73	29.87	51.0	49.5	53.5	46.0	6.5	3.5	227	238	61	76	N	3-4	NW	1	1	10	Squally till 4p.
9	29.87	29.83	49.2	52.5	50.1	44.6	2.7	1.3	285	359	82	90	W	2	NNW	2	9	10	• showers till 4.30p.
10	29.86	29.82	57.0	52.0	61.3	46.9	4.9	1.8	329	340	71	87	E	1	Calm	0	1	10	Very fine. T noon.
11	29.75	29.72	53.0	56.0	60.5	49.9	3.0	2.0	322	391	80	87	NE	1	ENE	1	9	10	Very fine till 4.30p.
12	29.76	29.83	55.0	54.6	57.5	53.5	2.2	2.2	370	364	86	86	NNW	2	NNE	2	9	10	• a. Gloomy.
13	29.94	29.04	53.8	49.1	57.5	49.0	5.0	4.3	287	250	69	72	NNE	2-3	NNE	2	4	10	• a. Gloomy 10a.—noon.
14	30.09	30.08	51.1	47.5	55.2	42.5	5.4	2.5	248	269	67	82	NE	2	NNE	1	4	10	• a. Very fine.
15	30.03	29.94	52.5	54.0	50.5	43.9	5.2	2.5	267	347	68	83	NE	2	E	2	3	10	• a. Very fine.
16	29.87	29.79	54.3	50.2	59.0	50.0	4.2	1.2	310	416	74	92	ESE	3	E	2	0	9	• a. Dull after 3.30p.
17	29.83	29.82	57.0	55.2	60.0	54.2	2.0	0.9	405	410	87	94	E	2	E	1	9	10	5.0
18	29.80	29.87	50.5	51.1	61.4	51.9	1.4	0.8	415	382	91	94	ESE	1	NNW	1	9	10	Dull till noon.
19	29.83	29.77	57.0	54.9	66.1	47.9	1.1	1.6	442	380	93	89	SW	1	NW	3	9	10	Gloomy till 2p. and after 4p.
20	29.80	29.75	54.0	49.8	58.2	48.0	4.0	1.9	310	310	74	87	NNW	2	NNW	1	0	10	Very fine.
21	29.65	29.53	53.2	47.8	55.0	43.0	3.2	2.0	320	283	79	86	NNW	1	NW	1	8	10	Mild and gloomy.
22	29.57	29.68	55.5	53.2	60.0	45.2	4.6	3.4	319	315	72	78	SSE	2	E	1	3	10	Very fine till 1.30p.
23	29.72	29.73	60.4	56.5	64.3	51.9	4.4	0.1	390	453	74	99	ENE	3-4	ENE	2-3	6	10	• after 3p. T
24	29.74	29.77	57.5	58.5	65.2	55.5	4.4	2.0	461	429	97	87	E	1	NE	3	9	10	Dull.
25	29.84	29.91	57.2	56.0	63.9	51.5	1.9	2.0	412	391	88	87	NNE	1	NNE	1-2	8	10	Fine. ∞ evening.
26	29.97	29.93	57.5	51.3	58.0	50.5	2.6	0.8	397	357	83	95	NE	1	N	1	9	10	Dull and overcast.
27	29.86	29.77	55.0	54.0	55.6	48.9	0.5	0.1	418	415	97	99	S	1	S	1	10	10	•
28	29.62	29.58	54.7	52.8	55.5	51.8	0.7	0.6	407	383	95	95	Calm	0	ENE	6	9	10	Dull, with •.
29	29.61	29.65	53.2	48.4	58.9	48.1	3.0	1.4	325	305	80	90	E	4	Calm	0	8	10	Fine from 10a.
30	29.59	29.46	52.5	54.2	56.5	44.1	1.0	1.2	368	385	93	92	Calm	0	ESE	1-2	10	10	Dull and mild.
M.	29.752	29.742	54.5	52.7	58.7	48.6	3.0	1.8	348	354	81	88	2.0	1.8	6.7	5.2	2.965	151	45.6

† Beaufort Scale (0—12.)

STONYHURST, LANCASHIRE, a.—SEPTEMBER 1909.

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.	Temp. on Grass.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Max.	Min.	Depr. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		p.m.				
							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	29.47	29.53	52.2	47.2	56.4	42.5	4.6	2.2	.277	.273	71	85	NW	16	3	8	0	—	Sunny intervals.				
2	68	72	49.0	51.0	58.7	36.6	3.0	2.4	.276	.313	79	84	—	2	WSW	4	2	10	108	9.8	32	Bright day.	
3	76	71	57.0	56.8	61.3	50.2	1.4	1.5	.425	.417	91	90	WSW	4	SW	8	100	10	405	0.3	47	Cloudy, with ☉.	
4	51	36	56.0	52.0	56.8	51.5	3.5	2.0	.353	.335	78	86	W	10	—	2	100	2	240	0.2	44	☉ 10a.—3p.	
5	60	58	53.6	52.8	58.0	41.9	5.1	2.8	.282	.325	69	81	—	2	—	0	4	100	825	8.1	32	Bright day.	
6	19	16	59.0	53.2	60.5	50.7	2.0	4.0	.436	.302	88	74	NW	13	WSW	13	100	10	460	5.2	47	☉ early. Sunny intervals.	
7	18	42	59.0	49.0	54.9	48.5	3.4	5.3	.282	.230	78	66	NW	9	NW	7	100	1	—	2.8	41	Cloudy day. Fine n.	
8	58	77	49.0	47.0	55.9	46.3	4.4	3.0	.247	.253	71	79	N	7	—	0	10	7	—	0.8	30	Sunny intervals.	
9	78	77	50.8	51.4	54.9	38.1	3.8	1.2	.320	.348	75	91	—	3	—	0	10	7	—	4.3	39	Sunny afternoon.	
10	76	74	54.0	51.2	58.0	47.5	3.6	3.0	.320	.302	76	80	NNE	5	ENE	7	8	1	—	4.8	41	Sunny a. Fine n.	
11	63	63	53.0	53.5	58.0	47.6	4.0	2.0	.299	.354	74	87	NE	10	NE	4	3	4	—	0.8	42	Cloudy day.	
12	65	70	54.0	54.4	60.1	49.7	1.4	2.2	.377	.362	90	85	—	1	NNE	4	8	—	—	0.9	36	Overcast till 4p.	
13	78	29.94	52.0	46.3	55.0	45.5	3.7	4.0	.294	.228	76	73	N	11	NE	5	10	0	—	4.0	30	Sunny a. Fine n.	
14	99	30.01	51.2	48.5	54.8	41.4	5.2	4.3	.253	.243	67	71	—	3	—	2	6	7	—	7.8	31	Fine day.	
15	95	29.87	50.0	48.0	59.0	41.5	3.5	3.2	.276	.259	77	78	NNE	5	NE	6	7	100	0.75	1.7	33	Dull a. ☉ 5p.	
16	78	72	50.0	55.6	59.5	41.3	2.2	1.6	.304	.396	85	89	NNE	4	NNE	4	8	—	—	2.0	44	Cloudy a. Fine p.	
17	75	77	56.0	53.0	61.2	52.3	3.0	1.0	.365	.374	81	93	NE	4	—	3	10	0	—	5.7	42	Fine day. Misty.	
18	79	79	54.0	52.3	60.5	49.5	1.3	0.8	.380	.371	91	95	—	1	WSW	4	0	2	0.20	4.4	37	Misty, then sunny.	
19	76	69	49.7	55.8	60.9	43.3	0.0	0.5	.357	.431	100	96	—	2	—	2	7	0	—	4.5	32	Fine day. Misty.	
20	68	66	53.6	45.5	58.2	45.0	2.6	1.3	.339	.272	82	90	—	2	—	2	8	0	0.23	2.1	32	Fine a. Dull p.	
21	57	45	47.3	48.0	55.5	43.0	1.5	2.0	.287	.375	93	87	—	2	—	2	8	0	—	5.1	33	Sunny through mist.	
22	50	61	46.0	55.0	61.0	40.3	1.0	2.0	.391	.423	87	99	NNE	5	NE	4	4	10	403	2.0	43	T 11a. ☐ noon.	
23	65	66	56.0	54.7	61.1	48.5	1.2	1.7	.416	.402	92	89	SE	5	—	2	10	8	0.05	1.5	51	Sunny intervals.	
24	69	69	56.2	56.2	62.1	54.5	1.2	1.2	.409	.382	94	92	NNE	4	—	2	100	10	—	0.4	48	Cloudy and misty.	
25	74	81	55.0	54.0	61.5	53.2	0.8	1.2	.375	.332	87	92	—	3	—	2	8	10	—	4.6	48	Dull day.	
26	87	87	55.0	50.0	58.4	48.5	2.0	1.1	.348	.364	94	97	—	2	—	2	10	100	825	—	46	☉ 5p.—midnight.	
27	81	73	50.7	51.0	53.6	49.0	0.9	0.4	.348	.348	93	93	S	12	ENE	4	100	10	0.50	—	47	☉ till 10a. Misty p.	
28	57	55	51.0	51.0	53.0	49.6	1.0	1.0	.349	.348	91	87	ENE	6	—	3	10	10	—	4.6	47		
29	53	55	51.5	52.9	58.0	49.8	1.2	1.9	.356	.328	95	89	—	2	—	2	10	6	0.70	0.3	44	Dull day.	
30	29.54	29.41	51.0	50.5	56.0	48.6	0.7	1.5															
M.	29.657	29.661	52.5	51.6	58.1	46.5	2.5	2.0	.333	.333	84	86		5	4	7.7	5.2	3.534	90	39.5			

SHREWSBURY, SHROPSHIRE.—SEPTEMBER 1909.

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.	°	°	°	°	1.8	0.0	in.	in.	%	%	†	†			ins.	hrs.	°	● showers 11a.—6p.		
2	29.69	29.71	53.4	49.1	58.0	48.0	2.7	0.0	358	351	88	100	NNW	4	NNW	1	8	9	05	—	44	Misty a., then sunny.
3	29.70	29.72	53.4	49.1	58.0	48.0	2.7	0.0	342	323	82	100	NW	1	Calm	0	2	0	02	—	33	Cloudy day.
4	29.71	29.73	53.4	49.1	58.0	48.0	2.4	0.0	423	465	85	100	W	2	W	2	10	9	05	—	42	Cloudy day. ● p.
5	29.72	29.74	53.4	49.1	58.0	48.0	3.5	0.3	354	409	78	98	NNW	2	Calm	0	6	10	11	—	53	Sunny intervals.
6	29.73	29.75	53.4	49.1	58.0	48.0	0.0	1.0	500	348	100	93	W	3	Calm	0	7	0	08	—	47	● showers. Sunny intervals.
7	29.74	29.76	53.4	49.1	58.0	48.0	2.0	1.9	351	287	86	87	NNW	4-5	NNW	2	10	0	02	—	46	● showers a. Cloudy day.
8	29.75	29.77	53.4	49.1	58.0	48.0	1.1	1.0	296	298	92	93	NNW	3-4	Calm	0	10	0	0	—	41	Overcast till 7p.
9	29.76	29.78	53.4	49.1	58.0	48.0	1.6	0.8	314	373	89	94	N	1	Calm	0	7	10	02	—	34	Fine sunny day.
10	29.77	29.79	53.4	49.1	58.0	48.0	4.4	1.0	334	348	73	93	NE	3	NE	1	4	0	—	—	44	Cloudy day.
11	29.78	29.80	53.4	49.1	58.0	48.0	2.3	0.5	335	410	84	96	N	1	Calm	0	10	10	—	—	42	Overcast all day.
12	29.79	29.81	53.4	49.1	58.0	48.0	1.3	2.1	403	359	91	85	NNW	1	NNW	2	10	10	—	—	43	Cloudy day.
13	29.80	29.82	53.4	49.1	58.0	48.0	2.1	2.0	335	304	86	87	N	3	NNW	2	10	10	—	—	48	Overcast all day.
14	29.81	29.83	53.4	49.1	58.0	48.0	4.3	4.0	281	265	73	73	NNW	2	N	1	0	10	—	—	32	Sunny a., then cloudy.
15	29.82	29.84	53.4	49.1	58.0	48.0	1.5	1.0	270	322	89	93	NNW	1	Calm	0	10	0	—	—	34	Cloudy a. Sunny p.
16	29.83	29.85	53.4	49.1	58.0	48.0	1.5	0.2	335	383	90	99	NW	1	Calm	0	10	0	03	—	37	Overcast. = from 6p.
17	29.84	29.86	53.4	49.1	58.0	48.0	0.0	1.0	418	434	100	93	NE	1	SE	1	10	10	01	—	45	Cloudy, with ●.
18	29.85	29.87	53.4	49.1	58.0	48.0	2.4	0.0	385	361	85	100	SE	1	Calm	0	10	0	—	—	45	Cloudy a. Sunny afternoon.
19	29.86	29.88	53.4	49.1	58.0	48.0	0.3	2.1	356	390	98	86	NW	1	NW	2	1	0	—	—	40	Sunny 8a.—5p.
20	29.87	29.89	53.4	49.1	58.0	48.0	4.0	1.2	340	266	75	90	NW	2	NW	1	4	4	—	—	39	Fine bright day.
21	29.88	29.90	53.4	49.1	58.0	48.0	1.3	0.3	289	304	91	98	SW	1	Calm	0	9	0	—	—	32	Cloudy a. Fine day.
22	29.89	29.91	53.4	49.1	58.0	48.0	0.8	0.0	312	340	94	100	WSW	1	S	1	9	0	—	—	37	Fine day.
23	29.90	29.92	53.4	49.1	58.0	48.0	0.2	0.0	400	465	99	100	SE	1	Calm	0	10	10	09	—	43	● 11a.—1p. = p.
24	29.91	29.93	53.4	49.1	58.0	48.0	2.3	0.7	426	407	86	95	S	1	S	1	7	8	15	—	45	Cloudy. ● showers p.
25	29.92	29.94	53.4	49.1	58.0	48.0	1.1	1.5	409	405	93	90	NW	3	NW	1	10	9	—	—	50	Overcast till noon.
26	29.93	29.95	53.4	49.1	58.0	48.0	3.0	0.1	365	385	81	99	NW	1-2	Calm	0	6	10	05	—	49	Overcast all day.
27	29.94	29.96	53.4	49.1	58.0	48.0	0.9	0.2	362	358	94	99	SSE	1	SE	1	10	10	61	—	50	Overcast all day. ● n.
28	29.95	29.97	53.4	49.1	58.0	48.0	0.2	0.0	371	403	99	100	S	3	SSW	2	10	10	42	—	49	● showers.
29	29.96	29.98	53.4	49.1	58.0	48.0	0.0	0.0	403	323	100	100	SE	1	Calm	0	10	10	—	—	43	Cloudy day.
30	29.97	29.99	53.4	49.1	58.0	48.0	0.0	0.0	335	349	100	100	SE	1	Calm	0	10	10	05	—	42	Overcast all day.
M.	29.823	29.815	53.0	51.5	60.6	45.6	1.6	0.8	362	363	89	95	1.8	0.8	8.0	6.3	1.830	42.4				

CAMBRIDGE, a.—SEPTEMBER 1909.

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	29.81	29.86	54.5	44.0	58.0	42.0	5.9	0.1	276	286	65	99	W	4	0	0	0	0	Sunny till noon. • from 1p.
2	30.02	30.09	52.3	45.9	64.5	34.9	2.3	0.9	331	288	84	94	W	1	1	0	6	0	≡ Sunny 8a.—5p.
3	30.15	30.12	58.8	57.7	61.8	38.1	5.9	2.2	332	412	86	86	SW	4	2	9	8	—	Overcast from 10a.
4	29.96	29.96	59.0	54.0	60.6	54.0	3.2	0.1	402	415	81	99	SW	3	1	9	100 ⁰	14	Overcast all day. • n.
5	93	98	56.2	46.2	59.7	46.2	5.2	0.3	314	307	69	98	NW	3	1	5	1	06	Fine day.
6	68	61	62.5	52.8	70.0	46.1	3.2	3.2	458	316	81	79	SW	4	1	10	1	04	• showers. Sunny intervals.
7	52	29.72	55.5	47.1	60.4	47.1	5.0	0.6	310	310	70	96	SW	4	1	10	1	22	Cloudy, with • showers.
8	29.82	30.01	47.5	49.5	57.8	38.8	0.5	0.5	316	341	96	96	NW	2	2	3	100 ⁰	3	• showers till 1p.
9	30.09	30.06	54.0	45.1	61.3	45.1	2.8	0.4	339	291	81	97	NE	2	1	0	5	—	Fine day.
10	29.99	29.95	54.1	56.3	64.1	40.1	2.9	2.0	338	395	80	87	NE	3	3	9	10	01	Sunny a. Cloudy day.
11	83	92	58.0	52.4	61.9	52.4	1.0	0.9	451	369	93	94	SE	2	1	10	1	—	Sunny intervals.
12	94	29.93	52.1	56.4	64.8	46.7	0.1	1.6	387	407	99	90	N	2	2	10	≡	29	≡ till 11a. Cloudy.
13	29.94	30.12	54.5	51.2	58.0	51.2	0.5	1.7	410	333	96	89	N	3	3	100 ⁰	6	05	• 6a.—10.30a.
14	30.23	27	54.5	51.1	57.8	49.0	5.0	3.1	295	298	70	79	NE	3	3	8	10	—	Cloudy day.
15	21	52.7	53.4	62.9	47.5	0.7	1.4	378	368	95	90	NE	2	2	10	10	05	12	≡ 6a. Cloudy day.
16	05	04	56.2	56.3	63.5	51.5	0.6	0.9	434	427	96	94	NE	1	2	10	10	—	• a. Cloudy day.
17	04	06	60.2	56.9	67.8	54.5	1.5	2.0	472	403	91	87	E	1	1	10	10	—	Sunny intervals.
18	09	10	52.9	48.6	64.5	48.6	0.3	0.4	392	333	98	97	N	1	1	10	0	—	≡ a. Sunny from 10a.
19	30.07	30.01	55.0	54.0	67.9	48.5	1.4	1.0	392	388	91	93	NW	2	2	10	0	—	Overcast till noon.
20	29.98	29.98	55.3	45.8	62.0	45.0	1.3	0.6	399	293	91	95	W	2	1	10	0	03	Overcast till noon.
21	92	84	47.1	51.0	60.0	36.2	0.1	3.0	322	299	99	80	SW	1	1	10	7	—	Cloudy day.
22	86	29.92	60.9	58.0	69.3	50.2	4.6	1.3	392	442	74	91	SE	4	2	5	1	12	Fine day.
23	29.95	30.02	58.0	60.8	68.8	55.9	0.0	0.8	482	506	100	95	NW	1	1	10	3	—	• 5.30a.—8a. = 6a. • 7a.—8a.
24	30.11	10	60.2	57.5	68.0	51.2	2.7	1.4	435	430	84	91	S	3	5	10	10	07	Sunny till 3p. • p.
25	06	07	58.0	55.5	63.0	54.5	0.6	0.5	463	426	96	96	N	2	2	10	3	17	Overcast. • 3p.
26	13	18	55.5	51.0	60.5	51.0	1.6	2.0	395	323	89	86	SW	4	2	10	3	01	• a. Sunny till 5p.
27	17	30.12	52.9	51.1	57.7	45.5	3.1	1.7	320	332	80	88	W	1	1	10	5	07	Cloudy day.
28	30.05	29.93	49.1	53.0	53.5	46.8	0.2	1.0	344	374	98	93	Calm	0	2	10	≡	23	• 6a.—4p.
29	29.84	84	54.0	50.0	60.0	50.0	0.5	0.1	403	358	97	99	SE	1	1	10	5	—	Overcast day.
30	29.89	29.80	52.0	52.0	60.0	48.0	0.7	0.8	369	366	95	94	Calm	0	1	10	≡	10	≡ after 3p. U
M.	29.977	29.981	55.1	52.2	62.4	47.2	2.1	1.2	378	361	87	92	2.2	1.4	8.5	5.1	1.70	111	38.8

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—SEPTEMBER 1909.

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.	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	29.71	29.70	52.8	49.7	59.4	41.1	3.6	0.8	.306	.335	76	94	N	1	0	9	10	1.3	39	Dull and chilly a. •		
2	29.78	29.77	55.7	47.7	64.4	38.7	4.1	2.7	.331	.267	74	80	E	1	SW	1	0	12.5	37	Very pleasant day.		
3	30.01	.95	57.7	57.9	64.4	41.6	4.3	1.3	.355	.439	74	91	S	2	S	1	10	—	37	Dull a. Very pleasant day.		
4	29.80	.48	58.5	57.0	60.4	52.5	2.1	1.6	.425	.416	87	89	S	1	NW	1	10	.20	42	Dull. • 10a.—3p.		
5	.83	.52	55.1	57.5	65.6	47.9	3.9	2.4	.328	.401	75	85	NW	1	Caln	0	7	.03	47	Very bright day.		
6	.49	.80	61.2	53.9	67.4	50.5	0.7	2.7	.516	.342	95	81	SW	3	NW	3	9	.02	48	Dull day. • p.		
7	.43	.59	54.7	44.5	50.4	44.4	3.8	0.6	.325	.279	76	95	NW	1	W	1	10	.01	44	• showers.		
8	.72	.85	46.9	45.2	53.4	38.7	2.2	4.7	.270	.204	84	67	NW	1	W	1	10	.01	35	• showers.		
9	.97	.88	53.9	45.9	60.4	39.9	4.8	0.3	.293	.303	70	87	W	1	N	1	10	.75	34	Very pleasant. Cold a.		
10	.83	.78	53.5	54.3	57.2	40.6	3.5	1.7	.319	.373	77	88	W	2	NW	3	7	.24	35	Very bright a.		
11	.68	.72	53.0	50.2	61.2	50.2	0.4	0.6	.391	.348	97	86	N	1	SE	1	10	.03	25	Dull, with • showers. ≡ 0 n.		
12	.83	29.83	53.4	55.2	61.2	47.4	0.7	0.3	.400	.388	98	89	N	1	S	1	10	.05	1.3	44	≡ a. Dull day.	
13	29.88	30.02	52.7	49.7	56.0	49.7	0.3	1.1	.389	.328	98	82	SW	1	S	1	10	.11	—	48	Dull with •.	
14	30.14	.13	52.7	50.2	58.4	46.6	3.5	3.1	.307	.286	77	79	S	1	SW	1	10	.01	4.0	44	Very pleasant day.	
15	30.00	30.00	49.5	53.3	61.0	46.8	0.3	1.7	.346	.360	98	88	NW	1	S	1	100	.05	2.6	44	Dull a. Pleasant p.	
16	29.89	29.87	50.7	54.2	56.4	48.7	0.3	0.6	.362	.403	98	96	NW	1	E	1	10	.61	—	45	Dull, with •.	
17	.86	.91	55.1	54.3	62.6	50.5	0.5	1.1	.419	.389	96	92	Caln	0	S	1	10	.09	1.1	44	Dull a. Pleasant p.	
18	.96	.97	55.5	49.9	58.2	49.5	1.1	0.3	.409	.352	92	98	Caln	0	SW	1	10 ≡	—	6.2	40	Very pleasant day.	
19	.96	.88	47.7	51.3	66.2	44.4	0.1	0.4	.329	.307	99	97	W	1	SE	1	7	—	5.9	38	Very pleasant day.	
20	.85	.84	57.2	45.5	63.2	45.5	2.0	2.8	.409	.242	87	79	NW	1	SE	3	10	—	4.7	33	Very pleasant day.	
21	.71	.61	49.0	50.4	59.4	39.5	1.8	1.3	.302	.305	88	91	NW	1	NW	1	3	.01	5.9	46	Very pleasant day.	
22	.66	.73	56.7	60.2	67.6	47.5	2.3	1.7	.393	.405	85	89	SE	1	NW	1	10	.05	—	49	Dull a. • 6p.	
23	.80	.88	58.0	57.7	63.0	54.5	1.1	0.6	.447	.459	92	96	NW	1	S	1	10	.33	5.2	51	Very bright a. • 10p.	
24	.90	.91	62.0	57.2	65.4	55.5	4.0	0.6	.427	.451	77	96	S	3	S	1	5	—	0.4	49	Dull and dry.	
25	29.91	29.97	57.2	55.7	62.6	53.1	0.8	1.1	.444	.412	94	92	SW	1	N	2	10	.02	1.6	49	Dull day. • 11.30a.	
26	30.02	30.01	55.9	54.9	61.7	53.1	2.3	2.3	.379	.366	84	84	NW	2	NW	1	10	.30	—	49	Dull day.	
27	30.01	29.92	52.5	52.2	55.7	50.5	2.7	1.6	.324	.348	81	89	SW	1	SE	2	10	.99	—	48	Very wet day.	
28	29.82	.72	50.2	54.5	55.4	49.5	0.3	0.9	.356	.399	98	93	SE	1	SE	0	10	—	1.4	44	Very damp a. Bright p.	
29	.61	.73	53.9	49.7	59.8	49.5	0.5	0.1	.401	.355	96	99	E	2	Caln	0	6	—	—	43	Dull day.	
30	29.71	29.59	53.1	54.9	56.8	47.7	2.0	0.5	.349	.416	86	96	SE	1	SE	3	10	.23	—	—	—	—
M.	29.829	29.824	54.2	52.6	60.7	47.2	2.0	1.4	.368	.362	87	90	1.2	1.2	8.4	6.6	3.33	84	42.9			

SOUTHAMPTON, HAMPSHIRE, a.—SEPTEMBER 1909.

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.	9 a.m.	9 p.m.								
1	ins.	ins.	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	ins	hrs.	°	Fine till 2p. • showers p.
2	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.3	5.4	40	• a. and p. Fine day.
3	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.3	4.1	41	• a. Fine day.
4	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.8	38	• 10. 30a.—10. 30p.
5	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.5	50	Fine and bright.
6	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	6.7	49	• 1a.—2a. and 10a.—noon.
7	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	4.7	38	• a. Fine till 4p. • p.
8	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	6.3	42	• a. Fine till noon.
9	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	4.4	44	Fine day. • p.
10	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	6.3	42	• 6a.—10a. Dull day.
11	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.30	41	• till 6a. Fine day
12	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	5.1	51	Fine day.
13	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	5.2	52	• 7a.—7.30p.
14	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.7	45	Fine day. • p.
15	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	1.8	41	• a. Cloudy.
16	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	4.5	45	• 7a.—9a. and 2p.—3p.
17	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.1	44	Overcast a.
18	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	1.2	45	Fine day. • p.
19	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	10.0	39	• a. and p. Fine day.
20	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	5.6	37	• a. Fine.
21	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.0	45	• a.
22	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	8.3	48	Fine day. • p.
23	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	2.0	51	Cloudy day.
24	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	3.8	50	Cloudy, with • showers.
25	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	2.0	51	• 4a.—9a. Fine evening.
26	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	2.4	46	• a. Cloudy.
27	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	0.2	44	Cloudy day.
28	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	1.850	—	Steady • 10a.—7p.
29	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	0.6	47	• showers 10a. and 5p.
30	29.87	29.88	57.0	58.0	59.8	41.3	6.7	0.9	289	312	62	94	NW	4	1	0	10.7	0.2	42	Misty a. Dull.
M.	29.960	29.957	57.1	54.4	62.9	49.5	3.0	1.5	382	383	82	90	3.6	3.2	6.1	4.2	3.855	127	45.2	

PLYMOUTH, DEVONSHIRE, a.—SEPTEMBER 1909.

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	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine, then dull.
2	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Sunny afternoon.
3	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Sunny a., then dull.
4	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull, with •.
5	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
6	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	• a., then fine.
7	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
8	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
9	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine, but cool.
10	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	• showers.
11	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull.
12	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine till noon. T
13	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull and gloomy.
14	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
15	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
16	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
17	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
18	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
19	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
20	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
21	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull and gloomy.
22	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Fine day.
23	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Cloudy day.
24	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull and gloomy.
25	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull day.
26	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull and gloomy.
27	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull, with • p.
28	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	• showers a. Fine p.
29	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	Dull day. =
30	29.92	29.91	56.6	51.8	58.1	42.8	6.3	1.8	295	338	65	87	N	7	—	0	8	10	0.1	3.7	33	
M.	29.930	29.929	57.3	56.2	62.8	49.6	3.1	1.1	386	369	81	81	5	4	6.9	6.0	0.89	141	43.5			

* Miles per hour.

+ Beaufort Scale (0—12).

ARMAGH, a.—SEPTEMBER 1909.

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.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
	ins.	ins.	°	°	°	°	1°	1°	in.	in.	%	%	*	*			ins.	hrs.	°				
1	29.75	29.73	49.7	50.0	55.0	43.9	1.9	1.0	.309	.334	88	93	—	2	—	0	10●	10	°33	—	38	Dull. A few ● showers.	
2	86	90	53.9	56.8	63.9	45.9	2.3	0.8	.351	.437	85	94	1	—	3	9	10	10	°13	0.4	38	Frequent ● showers.	
3	92	82	58.4	54.1	62.5	54.0	2.4	1.9	.415	.365	85	86	SW	4	SW	9	10	9	°58	0.6	53	Overcast.	
4	62	67	51.8	46.8	58.2	46.8	1.3	1.0	.351	.296	91	93	SW	7	—	1	10	0	°78	—	46	● till 5p.	
5	81	62	51.2	57.1	58.8	41.9	1.1	0.3	.348	.458	93	98	—	3	SW	9	9	10	°370	0.2	35	● from 3p.	
6	42	39	57.0	50.0	60.7	50.0	3.0	1.3	.377	.327	81	91	—	3	—	2	9	10	°107	7.7	49	● showers. Sunny intervals.	
7	56	29.74	51.0	44.2	57.0	44.2	3.2	2.5	.294	.236	79	81	NW	4	NNW	4	10	0	°65	5.1	42	Cold, with ● showers.	
8	89	30.00	51.9	45.0	57.5	43.0	4.9	2.9	.267	.235	69	79	N	4	—	1	7	8	°170	8.6	35	Fine.	
9	94	29.97	47.8	55.4	62.2	41.8	0.2	0.9	.327	.413	98	95	SW	7	—	2	10	10	°10	—	35	Overcast.	
10	94	92	57.1	51.6	64.0	51.6	1.1	1.0	.433	.356	92	93	—	2	—	1	10	0	—	2.8	46	Fine.	
11	86	29.80	52.9	48.3	59.3	48.3	0.2	1.7	.396	.296	99	88	—	2	—	0	10	5	—	3.5	40	Fine.	
12	29.89	30.02	53.8	48.7	55.7	47.0	1.7	2.7	.366	.279	88	81	—	1	—	3	10	10	—	0.5	38	Overcast.	
13	30.08	14	53.9	45.0	58.0	40.8	2.8	1.8	.338	.257	82	86	N	4	—	0	0	3	—	10.8	33	Very fine and sunny.	
14	19	30.16	53.5	42.8	60.0	37.2	3.6	2.6	.314	.229	76	83	—	0	—	2	0	0	—	10.5	31	Very fine and sunny.	
15	30.09	29.98	43.5	46.0	57.3	33.0	1.2	2.6	.256	.252	90	82	—	0	SE	4	10	0	—	4.9	27	≡ n. Very fine from 1p.	
16	29.90	85	54.1	48.6	61.0	36.2	2.2	4.0	.356	.250	84	73	SE	5	—	2	9	9	—	9.2	31	Very fine and sunny.	
17	86	88	56.0	53.4	64.2	45.8	2.1	2.4	.388	.342	86	84	S	4	SE	6	10	1	—	6.6	37	Very fine and sunny from 11a	
18	92	91	45.2	57.3	66.7	41.2	0.0	3.7	.301	.364	100	78	—	1	—	3	3	10	—	5.0	36	≡ early a. Fine and warm.	
19	89	88	59.8	56.0	67.1	55.0	1.8	2.0	.456	.375	89	87	SW	4	—	1	3	3	°660	2.3	50	Cloudy. ● 7p.—9p.	
20	90	85	52.7	48.7	61.9	41.0	2.6	2.3	.329	.289	83	84	—	0	—	1	3	9	—	9.9	35	Fine and sunny.	
21	74	60	53.2	44.0	58.9	44.0	3.3	1.2	.318	.261	78	90	—	1	—	1	3	9	—	7.1	35	Fine.	
22	58	73	52.0	51.7	59.0	40.2	2.3	3.3	.328	.301	84	78	S	4	SE	4	2	8	°285	5.8	33	● from 7.30p.	
23	81	79	52.0	57.7	65.9	39.0	1.0	3.0	.361	.390	93	81	—	2	—	3	2	10●	—	4.6	43	Fine.	
24	80	29.86	55.8	50.0	65.0	50.0	0.0	2.0	.446	.309	100	86	—	2	—	0	10	10	—	—	41	≡ before 9a. Overcast.	
25	29.96	30.00	55.5	52.8	59.0	49.7	0.6	1.3	.424	.364	96	91	—	2	—	1	10	10	°73	0.2	42	Overcast.	
26	30.05	30.00	53.4	53.9	60.1	49.8	0.3	1.0	.401	.387	98	93	—	0	—	2	10	10	°483	—	49	● from noon.	
27	29.90	29.81	54.8	51.8	56.8	51.8	0.9	0.8	.405	.364	94	94	—	2	—	2	10	10●	°30	0.1	48	Overcast.	
28	70	69	52.6	50.0	55.8	50.0	0.5	1.0	.383	.334	92	99	—	3	—	1	10	7	°030	0.1	38	Overcast.	
29	70	72	50.5	48.0	57.0	46.2	1.1	0.2	.339	.330	92	99	NE	4	—	2	10	7	°008	3.3	35	Fine.	
30	29.64	29.49	50.0	52.8	61.2	40.3	0.4	1.8	.350	.350	97	87	—	2	—	2	7	10	—	—	—	—	—
M.	29.838	29.831	52.8	50.6	60.3	45.0	1.7	1.8	.358	.326	89	87	3	2	7.7	6.8	1.848	113	39.1				

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHENIX PARK), a.—SEPTEMBER 1909.

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.					
							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.	50.6	49.9	53.6	42.3	3.2	0.6	287	343	78	96	W	6	—	2	10	10	ins. 120	hrs. —	38	Overcast, with ☉.	
2	29.84	29.80	50.6	49.9	53.6	42.3	3.2	0.6	287	343	78	96	W	6	—	2	10	10	1075	2.3	48	Cloudy. ☉ p.	
3	29.84	29.80	50.6	49.9	53.6	42.3	3.2	0.6	287	343	78	96	WSW	6	WSW	4	9	10	006	1.8	53	Cloudy.	
4	30.02	.95	57.1	55.8	63.2	54.5	1.5	2.6	421	373	90	83	SW	6	—	3	9	9	090	0.6	51	Overcast. ☉ a. and p.	
5	29.77	.71	53.8	54.4	61.4	51.9	1.1	1.5	383	381	92	90	SW	6	—	3	9	10	150	0.3	36	Overcast. ☉ showers.	
6	.91	.76	53.3	59.6	61.1	42.8	1.7	0.7	359	489	88	95	W	10	WSW	9	8	8	242	9.0	48	☉ showers.	
7	.53	.49	57.8	52.9	61.5	51.4	3.2	3.5	386	310	81	77	NW	8	NW	4	8	0	150	3.7	39	Cloudy. ☉ showers.	
8	.61	.20	51.9	45.4	54.4	45.0	4.2	2.6	283	246	73	82	N	8	N	4	7	0	150	10.2	35	Fine.	
9	29.94	30.06	52.8	44.0	55.8	40.6	4.6	3.0	284	224	71	77	WSW	6	NW	5	10	10	040	—	28	Overcast, with ☉.	
10	30.06	30.04	46.9	57.6	59.3	34.3	1.7	1.6	281	426	88	89	NE	7	—	0	8	0	—	8.5	40	Fine.	
11	29.99	29.96	56.3	46.1	59.7	45.8	2.3	0.6	387	298	85	96	NE	7	—	1	10	10	007	3.8	38	Cloudy.	
12	.90	29.86	53.6	51.1	56.6	43.3	2.9	1.2	333	345	80	91	NW	7	NW	6	10	2	—	1.1	46	Overcast and cloudy.	
13	29.95	30.05	51.8	49.7	58.9	49.5	1.2	3.4	354	275	91	77	—	3	—	0	9	0	—	—	5.2	33	
14	30.13	.19	51.0	40.2	57.9	39.0	4.1	0.4	274	241	73	96	NE	6	—	0	0	0	—	—	9.8	28	Fine.
15	.23	.23	53.1	38.7	55.9	32.6	5.0	0.8	278	220	69	94	—	1	—	0	10	0	—	—	—	29	Cloudy.
16	30.15	30.05	50.1	39.9	57.6	34.2	3.0	0.3	287	239	80	98	E	5	—	0	4	0	—	—	6.7	32	Fine.
17	29.95	29.92	56.8	45.6	60.3	38.7	3.0	0.5	375	294	81	97	—	2	—	0	0	0	—	—	7.5	37	Fine.
18	.93	.95	58.3	44.8	62.9	40.8	3.7	0.3	379	291	77	98	—	0	—	1	3	0	—	—	6.8	30	Fine.
19	.97	.98	61.2	49.7	63.8	33.3	6.8	1.6	342	316	63	89	SW	6	—	3	9	0	050	4.4	41	Fine.	
20	.98	.94	59.2	54.0	65.0	49.0	3.1	1.4	408	377	82	90	—	3	—	0	8	0	—	—	9.2	35	☉ early a. Fine.
21	.95	.91	55.5	42.4	58.9	41.8	3.4	0.5	347	250	79	96	—	1	—	0	10	3	—	1.7	31	Overcast and cloudy.	
22	.80	.68	51.8	41.5	58.7	36.6	1.0	0.6	359	250	93	95	—	1	—	0	9	0	—	—	0.9	33	Overcast and cloudy.
23	.67	.80	52.6	44.1	60.1	39.1	3.4	0.3	308	282	77	97	—	0	—	0	6	10	015	4.4	33	☉ n. Cloudy. ☉ p.	
24	.83	.83	55.0	56.1	65.9	37.7	0.2	0.3	427	442	99	98	E	4	—	0	8	2	—	—	2.7	41	Cloudy.
25	29.85	29.93	58.6	47.7	62.0	46.9	1.8	0.5	437	318	89	96	—	4	—	0	10	0	—	—	3.7	41	Cloudy.
26	30.03	30.07	50.9	46.4	60.4	45.7	0.2	0.5	367	304	99	96	—	3	—	0	10	0	082	—	40	☉ n. Dull and overcast.	
27	30.10	30.06	53.0	52.2	59.1	44.5	0.2	0.3	397	382	99	98	—	0	—	0	10	10	725	—	48	Overcast, with ☉.	
28	29.98	29.88	54.8	53.6	58.1	50.6	0.5	0.6	416	394	96	96	—	0	—	0	10	10	090	—	49	☉ a. 3.30 a.	
29	.73	.71	55.7	50.4	58.7	50.0	0.7	1.4	423	330	95	90	—	1	—	3	10	10	—	—	38	Dull and overcast.	
30	.72	.80	55.0	50.9	56.7	43.9	1.5	0.8	389	351	90	95	ENE	7	—	0	10	10	—	—	38	☉ n. ☉ showers.	
31	29.71	29.53	52.5	54.8	61.8	40.9	1.3	1.0	359	402	90	94	—	1	ESE	6	8	10	034	4.1	35		
M.	29.905	29.896	54.2	49.2	59.7	43.2	2.5	1.2	355	328	84	92	4	2	8.1	4.7	1.876	111	38.5				

BIRR CASTLE, KING'S COUNTY, a.b.—SEPTEMBER 1909.

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.

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

* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—SEPTEMBER 1909.

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. 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.	gh.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	gh.	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	30, 21	29, 18	28, 30	26	26, 9	* * *	32, 9	30, 5	* * *	*	26, 14	26, 11	28, 6	24, 8	—	24	13. 25	
2	23, 21	25, 21	27, 22	23	— 2	* * *	25, 10	23, 10	* * *	*	27, 8	29, 7	— 3	18, 7	—	20	9. 20	
3	16, 15	24, 22	24, 28	15	26, 12	23, 10	22, 10	19, 11	24, 19	12	22, 11	24, 11	23, 9	23, 8	—	22	6. 0	
4	25, 12	28, 18	28, 21	15	22, 15	21, 17	25, 11	29, 6	22, 18	12	21, 11	21, 11	22, 6	22, 4	—	22	14. 40	
5	27, 10	— 2	13, 15	24	26, 9	3, 7	12, 7	18, 7	26, 10	3, 4 8	28, 12	27, 9	— 2	12, 4	—	27	9. 20	
6	31, 5	5, 19	4, 32	20	22, 14	24, 15	22, 14	21, 10	24, 17	14	20, 14	19, 14	22, 10	22, 9	—	36	11. 35	
7	32, 34	32, 29	32, 34	13	30, 20	31, 19	27, 14	27, 15	31, 24	8	22, 15	23, 15	27, 9	24, 7	—	29	11. 25	
8	30, 17	28, 10	32, 29	2	29, 18	30, 16	31, 18	27, 7	31, 26	6	24, 9	31, 12	30, 8	30, 6	—	29	13. 35	
9	26, 19	26, 11	26, 19	13, 14	23, 10	26, 10	25, 4	24, 5	23, 13	10	2, 13	2, 10	2, 8	5, 12	—	37	4. 50	
10	27, 7	— 2	25, 15	5	28, 4	8, 11	7, 7	3, 4	8, 11	13	4, 28	4, 23	4, 29	4, 25	—	35	23. 35	
11	14, 12	15, 11	14, 13	14	— 4	7, 10	2, 5	3, 4	3, 4	7	12, 8	13, 12	9, 5	9, 7	—	37	1. 15	
12	29, 12	31, 22	31, 22	18	4, 7	2, 4	32, 14	32, 13	3, 22	24	3, 7	31, 10	29, 7	31, 9	—	43	8. 20	
13	29, 10	29, 7	28, 12	16	32, 21	32, 20	32, 12	32, 9	32, 24	2, 3 5	2, 28	4, 25	3, 22	3, 22	—	33	4. 50	
14	17, 13	17, 10	17, 13	11, 13	32, 5	1, 5	3, 4	— 2	30, 32	7	2, 16	2, 13	32, 10	2, 11	—	33	7. 5	
15	14, 11	14, 11	16, 14	23	30, 4	3, 7	7, 7	8, 10	7, 12	15, 16, 17	3, 18	5, 16	5, 19	4, 18	—	26	7. 5	
16	15, 17	14, 15	15, 19	3	4, 4	6, 10	8, 7	10, 9	8, 10	15	7, 14	7, 10	9, 10	9, 7	—	24	2. 35	
17	13, 13	13, 15	13, 16	16, 17	9, 4	— 2	10, 5	— 3	10, 8	14, 16	3, 8	1, 12	28, 7	30, 6	—	20	14. 30	
18	13, 8	13, 4	15, 13	1	19, 4	8, 5	11, 7	— 3	10, 9	14	29, 7	30, 7	29, 4	27, 6	—	19	12. 50	
19	27, 13	28, 9	27, 21	11, 12	23, 7	23, 7	23, 5	— 3	32, 13	15	29, 6	29, 7	28, 6	27, 6	—	21	12. 25	
20	31, 20	31, 18	32, 22	24	29, 10	32, 12	31, 9	28, 6	27, 25, 23	22	29, 6	24, 7	17, 4	18, 6	—	21	23. 25	
21	2, 19	5, 13	5, 22	11, 12, 14	27, 9	25, 9	21, 10	23, 10	12, 12	14, 15, 18, 25	10, 18	7, 10	7, 14	3, 6	—	22	8. 10	
22	14, 22	14, 20	14, 23	6	14, 7	15, 9	12, 10	12, 4	12, 12	9	9, 9	10, 6	13, 7	16, 4	—	26	16. 5	
23	14, 7	13, 5	15, 14	18	— 3	32, 5	32, 9	32, 6	32, 4	10	21, 10	21, 7	17, 7	16, 5	—	20	23. 35	
24	10, 9	9, 10	9, 10	15	14, 6	16, 9	10, 7	— 2	10, 10	14	— 3	— 3	4, 5	4, 7	—	25	7. 45	
25	6, 12	5, 10	5, 15	14	31, 7	32, 8	32, 4	32, 6	32, 10	6	32, 10	1, 15	31, 7	31, 5	—	15	12. 40	
26	1, 10	1, 7	1, 12	11	32, 6	32, 6	7, 7	9, 7	11, 8	24	27, 7	28, 6	29, 4	29, 4	—	18	17. 55	
27	2, 11	7, 5	3, 14	13	— 3	5, 6	10, 11	9, 13	9, 20	6	— 0	— 2	12, 11	— 3	—	7	23. 50	
28	10, 18	9, 10	10, 18	12, 14	11, 15	11, 5	7, 4	— 2	7, 10	8	22, 4	— 2	— 2	— 1	—	14	16. 25	
29	21, 9	— 2	20, 32	10	5, 8	5, 7	4, 4	— 3	23, 9	13	— 3	6, 6	16, 4	— 3	—	—	—	
30	30, 8	— 2	25, 17	10	24, 4	23, 9	—	—	—	—	—	—	—	—	—	—	—	

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.	gh.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	gh.	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	— 7	— 4	— 24	11. 50	— 18	— 12	— 14	— 10	— 30	16. 25	30, 16	29, 16	27, 20	28, 20	— 31	19. 15		
2	— 0	— 0	—	*	— 15	— 15	—	—	— 25	8. 0	5, 6	7, 6	— 3	3, 4	—	17	10. 15	
3	— 7	— 4	— 17	16. 50	— 10	— 11	— 14	— 15	— 32	14. 30	11, 4	23, 6	25, 6	25, 7	—	14	23. 10	
4	— 13	— 14	— 34	16. 50	— 12	— 16	— 18	— 11	— 36	18. 15	25, 20	24, 26	25, 34	26, 33	—	49	17. 15	
5	— 3	— 0	— 26	0. 10	— 21	— 18	— 3	— 0	— 33	9. 25	28, 9	28, 9	26, 14	26, 15	—	41	0. 10	
6	— 16	— 10	— 32	12. 35	— 22	— 28	— 17	— 11	— 40	13. 55	27, 28	27, 25	27, 27	27, 30	—	42	22. 45	
7	— 9	— 4	— 28	10. 20	— 16	— 13	— 14	— 7	— 28	9. 5	29, 24	*	*	*	—	49	5. 20	
8	— 7	— 5	— 22	20. 25	— 12	— 11	— 13	— 19	— 25	21. 25	*	*	*	*	—	37	22. 35	
9	— 9	— 5	— 21	10. 5	— 19	— 23	— 22	— 18	— 45	5. 55	3, 20	3, 23	4, 20	4, 16	—	34	1. 10	
10	— 15	— 0	— 40	15. 25	— 25	— 15	— 18	— 12	— 31	0. 30	3, 20	4, 18	3, 9	5, 6	—	40	13. 5	
11	— 6	— 4	— 28	6. 15	— 15	— 7	— 11	— 12	— 25	12. 30	3, 20	2, 17	2, 21	3, 17	—	37	7. 30	
12	— 2	— 3	— 18	11. 35	— 16	— 17	— 8	— 13	— 40	15. 35	2, 17	2, 20	2, 20	3, 16	—	40	18. 30	
13	— 10	— 10	— 22	18. 10	— 21	— 22	— 25	— 21	— 37	11. 50	32, 18	5, 20	3, 13	5, 10	—	36	8. 55	
14	— 7	— 0	— 23	9. 5	— 24	— 27	— 17	— 18	— 37	12. 5	5, 13	2, 15	3, 13	5, 10	—	30	10. 5	
15	— 10	— 10	— 16	8. 30	— 17	— 17	— 14	— 14	— 20	12. 5	9, 7	10, 11	— 3	— 1	—	16	10. 10	
16	— 10	— 10	— 19	14. 15	— 8	— 6	— 7	— 12	— 19	20. 5	— 1	— 1	14, 5	14, 4	—	10	15. 25	
17	— 2	— 2	— 7	11. 25	— 5	— 8	— 5	— 0	— 21	21. 5	12, 10	13, 13	14, 7	14, 6	—	18	12. 40	
18	— 10	— 10	— 14	14. 55	— 14	— 14	— 1	— 1	— 20	9. 0	13, 8	12, 9	12, 4	12, 5	—	12	9. 50	
19	— 10	— 2	— 19	14. 55	— 14	— 7	— 0	— 4	— 19	14. 45	10, 9	11, 6	4, 5	3, 6	—	11	8. 30	
20	— 9	— 7	— 18	15. 25	— 5	— 2	— 7	— 12	— 23	23. 15	— 2	3, 7	8, 9	8, 7	—	16	17. 10	
21	— 0	— 3	— 9	19. 10	— 6	— 4	— 4	— 2	— 24	0. 50	— 3	3, 7	8, 6	8, 6	—	11	16. 50	
22	— 11	— 4	— 19	14. 50	— 2	— 12	— 11	— 6	— 19	12. 40	9, 7	10, 6	8, 6	8, 6	—	41	23. 20	
23	— 8	— 16	— 28	20. 35	— 2	— 19	— 13	— 10	— 24	12. 5	12, 15	15, 12	19, 14	20, 15	—	43	1. 25	
24	— 18	— 12	— 39	7. 55	— 15	— 15	— 8	— 3	— 24	11. 55	24, 18	24, 14	24, 14	24, 10	—	11	0. 55	
25	— 8	— 4	— 20	0. 5	— 14	— 17	— 17	— 10	— 29	8. 50	24, 4	24, 0	— 2	— 0	—	5	11. 40	
26	— 10	— 10	— 14	0. 50	— 18	— 17	— 0	— 0	— 18	8. 45	— 0	— 3	24, 4	— 1	—	12	23. 50	
27	— 10	— 5	— 15	11. 10	— 13	— 7	— 0	— 2	— 13	12. 0	16, 6	16, 8	16, 6	15, 7	—	20	3. 25	
28	— 10	— 6	— 18	22. 50	— 6	— 6	— 1	— 0	— 14	1. 50	10, 6	16, 7	16, 5	— 3	—	23	11. 10	
29	— 1	— 0	— 21	18. 40	— 4	— 5	— 0	— 0	— 12	5. 40	14, 5	6, 9	3, 6	— 1	—	20	11. 50	
30	— 11	— 14	— 21	—	— 6	— 3	—	—	—	—	13, 13	13, 13	20, 7	—	—	—	—	

Before 20 minutes after the hour. The hours are numbered 1h to 24h. Time is referred to as if the velocity is less than

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	28, 10	25, 8	27, 16	10	9, 10	28, 26	29, 23	28, 15	29, 13	—	43	12. 30	27, 27	27, 23	26, 15	26, 12	—	37	4. 30
2	24, 10	24, 7	24, 11	14	14	12, 4	25, 13	25, 15	23, 8	—	25	23. 55	29, 4	24, 7	20, 7	20, 9	—	18	21. 55
3	23, 7	20, 4	21, 10	20	20	24, 12	24, 13	22, 12	21, 17	—	27	19. 55	24, 12	21, 9	20, 12	20, 12	—	26	23. 45
4	22, 13	—	23, 15	11	11	23, 22	21, 23	28, 9	30, 17	—	43	10. 50	23, 20	19, 20	24, 23	31, 19	—	42	8. 30
5	25, 8	—	24, 9	15	15	28, 12	25, 15	23, 11	14, 6	—	25	0. 5	28, 10	21, 9	18, 15	18, 14	—	27	1. 20
6	24, 14	23, 10	24, 17	14, 15	14, 15	25, 25	24, 31	24, 33	24, 38	—	55	23. 45	25, 22	23, 23	23, 20	31, 24	—	52	23. 25
7	29, 10	28, 6	23, 15	3	3	31, 22	29, 22	32, 15	31, 19	—	50	4. 10	29, 27	30, 23	30, 23	31, 24	—	49	6. 15
8	30, 5	32, 7	32, 7	8, 9, 16	8, 9, 16	1, 21	31, 15	3, 10	3, 7	—	30	0. 20	1, 26	1, 23	32, 18	32, 15	—	38	5. 45
9	23, 9	—	23, 9	11, 12, 13	11, 12, 13	26, 14	24, 15	26, 12	9, 5	—	21	13. 35	28, 11	22, 12	—	3, 15	—	23	13. 55
10	8, 9	5, 4	7, 10	11, 12	11, 12	5, 10	7, 12	5, 14	6, 10	—	25	14. 30	4, 15	5, 18	4, 15	4, 13	—	28	13. 35
11	4, 7	2, 6	4, 12	8	8	6, 19	1, 17	5, 11	6, 9	—	30	0. 35	4, 20	4, 19	6, 12	4, 8	—	29	12. 5
12	24, 9	—	24, 9	13	13	—	28, 14	28, 15	1, 11	—	22	16. 45	1, 12	31, 18	30, 23	31, 26	—	37	19. 0
13	3, 8	—	2, 11	9, 11, 12	9, 11, 12	1, 19	3, 22	7, 9	5, 8	—	32	12. 25	2, 21	2, 23	2, 13	3, 7	—	36	5. 25
14	5, 4	—	1, 5	5	5	3, 7	4, 9	7, 8	6, 9	—	17	11. 55	5, 11	5, 12	3, 11	5, 8	—	22	14. 35
15	8, 6	—	8, 7	14	14	4, 8	7, 11	7, 8	8, 9	—	18	12. 10	8, 14	7, 10	7, 6	7, 9	—	19	8. 50
16	4, 6	—	4, 6	13	13	6, 9	7, 9	7, 8	7, 5	—	18	10. 55	7, 9	7, 9	7, 7	7, 4	—	19	11. 0
17	1, 4	7, 4	2, 6	1, 18, 16, 4	1, 12, 14	8, 9	7, 10	9, 8	8, 6	—	16	13. 0	—	2, 7	2, 7	4, 4	—	9	13. 20
18	—	—	—	1, 12, 14	1, 12, 14	10, 5	—	—	—	—	8	5. 20	—	3, 2	8, 4	20, 4	—	13	13. 25
19	23, 8	23, 5	21, 23	12, 13, 14	12, 13, 14	—	24, 9	23, 7	22, 12	—	21	23. 50	19, 10	19, 11	19, 8	19, 11	—	21	10. 15
20	—	—	—	2	2	1, 6	28, 18	29, 15	8, 5	—	23	16. 40	31, 10	31, 9	31, 7	31, 9	—	19	6. 0
21	—	—	—	3	3	5, 6	28, 9	—	3, 15	—	13	13. 55	32, 6	31, 7	31, 5	—	2	12	13. 10
22	15, 7	—	15, 7	13, 24	13, 24	10, 8	16, 7	4, 7	7, 9	—	11	23. 25	7, 4	16, 6	17, 4	—	2	8	17. 0
23	—	—	—	8	8	7, 6	10, 7	9, 7	8, 9	—	20	6. 45	8, 15	8, 9	—	2, 8	4, 4	22	7. 5
24	14, 7	14, 7	14, 7	13	13	12, 12	12, 10	8, 10	9, 9	—	20	15. 50	9, 7	13, 4	26, 7	26, 10	—	14	11. 25
25	—	—	—	3, 5, 6, 8, 9, 11	3, 5, 6, 8, 9, 11	2, 6	28, 5	6, 4	8, 4	—	14	14. 55	31, 7	30, 7	29, 8	31, 4	—	15	2. 15
26	—	—	—	2, 4	2, 4	—	3, 7	5, 7	9, 8	—	11	17. 40	—	2, 6	7, 5	4, 9	—	11	14. 55
27	—	—	—	11, 16, 17, 24	11, 16, 17, 24	12, 9	14, 9	13, 9	13, 9	—	14	10. 25	18, 10	18, 10	19, 6	19, 5	—	17	23. 35
28	14, 10	8, 7	7, 9	5	5	15, 15	13, 13	11, 18	9, 15	—	25	10. 25	20, 12	18, 12	30, 16	28, 7	—	25	11. 0
29	5, 6	—	7, 9	5	5	7, 14	7, 14	7, 7	6, 6	—	23	10. 15	7, 14	6, 19	7, 10	7, 11	—	26	6. 50
30	15, 4	15, 5	15, 16	11, 12, 17, 18	11, 12, 17, 18	14, 12	14, 12	13, 13	12, 9	—	22	4. 55	12, 5	17, 8	17, 4	10, 8	—	17	11. 20

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	25, 7	28, 7	27, 12	5	5	24, 17	25, 15	24, 12	24, 10	24, 25	10	—	—	12	—	4	—	8	13. 5
2	24, 10	23, 11	23, 11	14, 18	14, 18	—	1, 12	7, 22	8, 24	24, 15	24	—	—	7	—	7	—	4	4. 50
3	21, 11	20, 12	21, 14	15	15	22, 9	21, 7	22, 12	22, 18	21, 26	24	—	—	1	—	4	—	24	18. 35
4	26, 10	26, 7	23, 14	8	8	20, 8	21, 24	25, 25	28, 11	24, 30	16	—	—	15	—	23	—	24	12. 5
5	24, 8	19, 5	24, 21, 9	14, 15	14, 15	—	3, 14	10, 22	8, 22	22, 27	22	—	—	7	—	7	—	18	18. 10
6	24, 17	24, 10	23, 20	21	21	24, 28	23, 29	22, 25	22, 32	22, 32	21	—	—	25	—	27	—	18	5. 40
7	31, 11	31, 10	32, 13	3, 14	3, 14	26, 25	29, 20	30, 19	28, 18	24, 33	3	—	—	22	—	23	—	19	12. 5
8	32, 6	29, 4	32, 10	11	11	30, 18	3, 18	2, 12	31, 15	1, 22	11	—	—	19	—	18	—	10	0. 25
9	26, 7	27, 6	22, 10	8	8	23, 17	24, 21	25, 15	27, 14	24, 21	12, 13	—	—	14	—	6	—	17	23. 50
10	—	2, 5	5, 8	22	22	4, 12	4, 12	3, 10	4, 8	3, 14	24	—	—	15	—	15	—	6	1. 15
11	5, 9	4, 7	5, 6, 9	13, 14	13, 14	1, 18	1, 16	2, 10	32, 6	1, 21	10	—	—	*	—	12	—	5	27
12	4, 4	7, 6	7, 7	16, 17	16, 17	28, 10	31, 15	31, 18	28, 16	31, 21	17	—	—	17	—	23	—	22	12. 25
13	8, 5	8, 6	8, 6	16, 17, 18, 20	16, 17, 18, 20	25, 13	2, 17	2, 6	24, 6	2, 18	11, 12	—	—	23	—	18	—	13	3. 45
14	25, 4	26, 4	21, 26, 4	13, 14, 16	13, 14, 16	8, 12	10, 10	10, 7	—	3, 23	17	—	—	8	—	10	—	5	10. 50
15	17, 6	21, 4	17, 18, 6	16	16	12, 9	11, 9	10, 7	—	2, 12	13	—	—	2	—	15	—	12	23. 55
16	11, 4	7, 10	7, 10	18	18	15, 4	12, 10	14, 6	14, 4	11, 12	10	—	—	17	—	15	—	14	8. 20
17	7, 4	6, 7	6, 7	1	1	—	2, 12	12, 13	4, 2	21, 14	23	—	—	12	—	8	—	3	4. 40
18	—	—	—	17	17	—	2, 24	9, 2	23, 7	24, 14	23	—	—	5	—	5	—	2	7
19	21, 7	22, 9	23, 11	4, 10, 14, 15	4, 10, 14, 15	32, 4	5, 4	—	3, 2	25, 12	1	—	—	4	—	8	—	5	14
20	—	2, 1	25, 29, 31, 5	10	10	—	3, 1	3, 13	4, 1	10, 8	16, 17	—	—	8	—	8	—	9	23. 55
21	—	3, 2	6, 4	13	13	16, 12	13, 9	14, 6	—	2, 16	13	—	—	3	—	8	—	7	0. 15
22	18, 9	8, 10	7, 12	15	15	—	3, 4	4, 12	9, 10	4, 12	9	—	—	10	—	14	—	13	10. 30
23	7, 8	5, 7	7, 12	6	6	—	2, 6	7, 0	24, 7	25, 10	24	—	—	2	—	3	—	3	1. 0
24	6, 6	9, 6	9, 7	16	16	25, 12	27, 10	29, 4	24, 5	25, 14	7, 8	—	—	0	—	2	—	3	14. 50
25	7, 7	7, 5	7, 7	13, 14, 21	13, 14, 21	24, 5	—	3, 2	—	25, 11	3	—	—	0	—	6	—	5	11. 25
26	8, 8	7, 10	8, 7, 6, 10	15, 18, 19, 21	15, 18, 19, 21	—	1, 3	15, 30	11, 28, 9	3, 15	13	—	—	4	—	4	—	11	23. 10
27	6, 11	6, 14	6, 14	2, 3	2, 3	—	1, 6	12, 5	13, 8	6, 19	11	—	—	7	—	3	—	7	3. 45
28	9, 4	—	6, 9	14, 21	14, 21	7, 14	13, 10	13, 10	13, 13	12, 16	22	—	—	11	—	9	—	4	14. 25
29	—	—	—	—	—	—	—	—	—	—	—	—	—	10	—	15	—	7	13. 40
30	4, 2	—	27, 32, 3	—	—	13, 7	13, 11	13, 10	13, 13	—	—	—	—	—	—	—	—	—	—

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	25, 7	28, 7	27, 12	5	24, 17	25, 15	24, 12	24, 10	24, 25	10	— 12	— 20	— 4	— 12	— 31	13. 5	
2	24, 10	23, 11	23, 11	14, 18	— 1	12, 7	22, 8	24, 12	24, 15	24	— 7	— 4	—	— 8	— 21	4. 50	
3	21, 11	20, 12	21, 14	15	22, 9	21, 7	22, 12	22, 18	21, 26	24	— 1	— 7	— 12	— 4	— 24	18. 35	
4	26, 10	26, 7	23, 14	8	20, 8	21, 24	25, 25	28, 11	24, 30	16	— 15	— 23	— 29	— 24	— 44	12. 5	
5	24, 8	19, 5	24, 21, 9	14, 15	— 3	14, 10	22, 8	22, 20	22, 27	22	— 7	— 7	— 12	— 6	— 23	18. 10	
6	24, 17	24, 16	23, 20	21	24, 28	23, 29	22, 25	22, 32	22, 32	21	— 25	— 27	— 24	— 18	— 51	5. 40	
7	31, 11	31, 10	32, 13	3, 14	26, 25	29, 20	30, 19	28, 18	24, 33	3	— 22	— 23	— 24	— 19	— 42	12. 5	
8	32, 6	29, 4	32, 10	11	30, 18	3, 18	2, 12	31, 15	1, 22	11	— 19	— 18	— 12	— 10	— 31	0. 25	
9	26, 7	27, 6	22, 10	8	23, 17	24, 21	25, 15	27, 14	24, 21	12, 13	— 14	— 6	— 17	— 18	— 33	50. 5	
10	— 2	5, 5	8, 6	22	4, 12	4, 12	3, 10	4, 8	3, 14	24	— 15	— 15	— 6	— 5	— 32	1. 15	
11	5, 9	4, 7	5, 6	13, 14	1, 18	1, 16	2, 10	3, 6	1, 21	10	— 16	— 16	— 12	— 5	— 27	11. 15	
12	4, 4	7, 6	7, 7	16, 17	28, 10	31, 15	31, 18	28, 16	31, 21	17	— 17	— 23	— 22	— 22	— 34	12. 25	
13	8, 5	8, 6	8, 6	10, 12, 15, 16, 17, 18	25, 13	2, 17	2, 6	24, 6	2, 18	11, 12	— 23	— 18	— 13	— 7	— 37	3. 45	
14	25, 4	26, 4	21, 26, 4	16, 17, 18, 20	4, 10	6, 6	5, 7	6, 4	4, 12	8	— 8	— 10	— 5	— 2	— 16	10. 50	
15	17, 6	21, 4	17, 18, 6	13, 14, 16	8, 12	10, 10	10, 7	— 3	23, 17	6	— 2	— 15	— 12	— 8	— 23	13. 55	
16	11, 4	7, 10	7, 10	16	12, 9	11, 9	10, 7	— 2	12, 13	10	— 9	— 8	— 11	— 11	— 20	2. 30	
17	7, 4	6, 7	6, 7	18	15, 4	12, 10	14, 6	14, 4	11, 12	12	— 17	— 15	— 14	— 11	— 22	8. 20	
18	— 2	— 3	9, 5	1	— 2	12, 12	13, 4	— 2	11, 14	12	— 12	— 8	— 3	— 2	— 18	4. 40	
19	21, 7	22, 9	23, 11	17	— 2	24, 9	— 2	23, 7	24, 14	23	— 5	— 5	— 2	— 0	— 7	13. 0	
20	— 2	1, 4	25, 29, 31, 5	4, 10, 14, 15	32, 4	5, 4	— 3	— 2	25, 12	1	— 4	— 8	— 5	— 5	— 14	13. 45	
21	— 3	— 2	6, 4	10	— 3	— 3	13, 4	— 1	10, 8	16, 17	— 8	— 8	— 9	— 10	— 17	23. 55	
22	18, 9	9, 5	18, 9	13	16, 12	13, 9	14, 6	— 2	16, 13	10, 11	— 3	— 8	— 7	— 5	— 17	0. 15	
23	8, 10	8, 10	7, 12	15	— 3	4, 4	12, 9	10, 4	12, 9	18	— 10	— 14	— 13	— 6	— 25	10. 30	
24	7, 8	5, 7	7, 12	6	— 2	6, 7	— 0	24, 7	25, 10	24	— 2	— 3	— 3	— 2	— 15	1. 0	
25	6, 6	9, 6	9, 7	16	25, 12	27, 10	29, 4	24, 5	25, 14	7, 8	— 0	— 0	— 2	— 3	— 0	13	14. 50
26	7, 7	7, 5	7, 7	13, 14, 21	— 5	— 3	— 2	— 2	25, 11	3	— 0	— 6	— 5	— 1	— 13	11. 25	
27	8, 8	7, 10	8, 7, 6, 10	15, 18, 19, 21, 23, 24	— 1	— 2	16, 4	— 2	15, 7	17	— 4	— 4	— 11	— 11	— 16	23. 10	
28	6, 11	6, 14	6, 14	12, 18, 19, 21	— 1	3, 15	30, 11	28, 9	3, 15	13	— 7	— 3	— 7	— 1	— 16	3. 45	
29	9, 4	— 1	6, 9	2, 3	7, 14	6, 12	5, 13	3, 8	6, 19	11	— 11	— 9	— 4	— 1	— 16	14. 25	
30	— 2	— 2	27, 32, 3	14, 21	13, 7	13, 11	13, 10	13, 13	12, 16	22	— 10	— 15	— 7	— 2	— 21	13. 40	

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 $V^3 = 3.5 B^3$) will be given in the Introduction.
 † 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.—OCTOBER 1909.

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.	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.	48.0	48.2	53.4	43.4	0.9	1.8	31.2	29.3	94	88	—	1	8	10	—	4.9	—	● till 5a. ● 4p. ☐
2	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● 1p.-3p.
3	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● 3a.-7a. ● after 3p.
4	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● a. Fair till 7p.
5	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	▲ showers. 7p.-9p.
6	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	▲ 2a. ● showers all day.
7	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	▲ p. Crops shaken.
8	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Fair, breezy and dry.
9	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Very fine.
10	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Very fine. ● 4p.-6p.
11	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● 5p.-8p.
12	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● .95 in. fell 1p.-3.30p.
13	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Squally a. 5p.-7p. ● 6p.-8p.
14	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Heavy clouds a. ● showers.
15	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers a. Very fine p.
16	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	
17	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	
18	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● 8a.-11a.
19	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers a. Fine p.
20	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Fine.
21	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers.
22	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers all day.
23	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers a., and after 5p.
24	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● showers all day.
25	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● . after 4p.
26	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	▲ showers past n. Meteor 8p.
27	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	▲ a. Cold and breezy.
28	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Very dry and cold a.
29	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	● 2p.-5p.
30	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	Very fine. Red sunset.
31	29.45	29.35	48.0	48.2	53.4	43.4	1.8	3.0	36.3	31.0	87	80	SW	12	SW	10	8.00	1.30	1.5	
M.	29.333	29.329	47.5	46.2	50.5	42.6	2.0	1.7	288	278	86	87	18	17	6.2	6.9	5.285	94	—	

TILLYPRONIE, ABERDEENSHIRE.—OCTOBER 1909.

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.	Max.	Min.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	44.2	46.8	54.9	38.8	1.4	1.3	259	289	89	91	E	1	E	1	7	5	ins.	hrs.	°	∞	
2	28.44	28.39	44.2	46.8	54.9	38.8	1.4	1.3	259	289	89	91	E	1	E	1	7	5	—	—	—	∞ and sunshine.	
3	34	45	55.0	46.2	58.8	44.0	1.2	0.8	337	274	78	89	S	5	S	1	8	6	—	—	—	∞	
4	37	28	56.2	54.0	57.0	45.0	1.2	0.8	416	394	92	94	S	3	S	1	8	9	26	—	—	Sunshine.	
5	28.29	28.30	49.8	42.5	54.8	40.5	1.8	1.3	312	243	87	90	NW	3	NW	1	8	3	05	—	—	—	
6	27.87	27.97	50.0	43.5	51.5	40.0	0.2	3.5	356	210	99	74	SW	5	SW	6	5	0	08	—	—	Sunshine.	
7	28.19	28.36	44.0	47.2	56.5	35.0	4.0	2.2	205	273	71	85	SW	5	SW	2	3	5	—	—	—	—	
8	39	27.96	47.5	49.9	52.0	44.0	2.3	0.7	274	341	83	95	SE	5	E	9	8	9	08	—	—	Fine and sunny.	
9	17	28.68	50.2	42.0	54.0	38.0	3.0	3.0	289	207	80	78	S	2	SW	2	8	0	—	—	—	Sunshine.	
10	76	62	51.5	49.8	55.0	38.0	4.5	1.8	271	312	71	87	S	4	SE	4	5	8	—	—	—	Sunshine.	
11	55	48	51.8	53.8	58.8	41.5	2.6	1.3	318	378	82	91	SE	6	SE	2	3	9	06	—	—	Dull. ∞	
12	48	29	47.8	46.2	56.0	42.0	1.3	3.7	301	233	91	75	SW	2	W	4	7	0	21	—	—	Dull. Drizzling ●.	
13	33	27	46.8	42.2	53.0	38.9	1.9	1.2	275	243	86	90	SE	6	SE	3	4	0	15	—	—	Dull.	
14	23	28.30	45.0	40.5	51.5	35.0	1.2	1.7	271	217	91	86	SE	3	SE	4	9	8	93	—	—	2 and sunshine.	
15	37	27.90	43.8	44.8	50.0	36.8	3.0	2.2	222	249	77	84	S	4	SW	12	8	8	16	—	—	Sunshine.	
16	02	28.00	46.8	44.8	53.0	38.0	4.3	3.0	226	232	71	79	SW	7	W	4	3	2	—	—	—	∞ and sunshine.	
17	13	21	47.0	45.8	53.0	41.0	4.0	0.8	233	289	73	94	SW	3	SW	1	5	9	02	—	—	Dull. ≡	
18	17	21	47.1	45.8	56.8	43.5	0.9	1.0	302	286	93	93	W	1	W	2	9	5	08	—	—	≡	
19	44	58	44.8	43.8	47.8	42.0	0.6	0.8	283	259	96	94	S	3	E	6	9	9	—	—	—	Dull. ∞	
20	49	22	46.0	48.0	53.8	40.0	1.2	0.2	283	330	92	99	SW	6	SE	3	2	8	04	—	—	Sunshine.	
21	08	11	51.2	48.1	54.9	43.2	5.2	2.9	253	266	67	79	SW	6	SE	3	2	8	—	—	—	Sunshine.	
22	21	41	43.8	41.5	50.5	36.2	3.0	3.0	222	202	77	78	SW	4	SW	2	5	3	03	—	—	Dull. ∞	
23	44	25	45.0	48.1	54.8	36.0	1.5	3.3	204	258	89	77	SW	5	SW	6	7	3	58	—	—	Sunshine and ●.	
24	27	13	46.5	42.8	53.8	35.8	3.7	0.8	234	257	75	94	SW	5	SW	1	5	9	17	—	—	Wind and sunshine.	
25	17	34	44.0	37.5	50.0	34.0	1.2	2.0	261	186	90	83	NW	4	NW	4	6	6	08	—	—	Sunshine.	
26	50	58	37.0	32.8	47.0	32.0	1.2	0.8	196	170	89	91	NW	2	NW	2	5	3	04	—	—	*	
27	57	62	33.8	30.0	40.0	28.8	1.6	0.8	162	145	83	86	N	1	N	1	3	3	02	—	—	Frosty.	
28	65	68	32.5	30.0	41.2	26.5	1.0	1.0	163	140	88	83	N	2	N	3	4	3	01	—	—	Frosty.	
29	66	64	34.0	30.0	40.5	27.8	1.8	0.8	160	145	81	86	NW	5	NW	2	3	0	15	—	—	*. Frosty.	
30	64	67	34.2	31.0	36.0	27.0	1.2	0.5	174	161	87	92	NW	2	NW	3	7	0	04	—	—	2 and sunshine.	
31	28.67	28.77	33.8	28.5	39.0	27.0	2.0	1.3	154	119	80	77	NW	2	NW	1	5	0	—	—	—	Frosty. Sunshine.	
31	29.00	29.05	33.0	27.8	44.0	26.0	1.2	0.8	163	127	86	84	NW	2	NW	1	5	0	—	—	—	—	
M.	28.384	28.378	44.6	42.1	50.9	36.8	2.2	1.6	253	240	84	86	3.5	3.1	5.8	4.8	3.25	—	—	—	—	—	—

LAUDALE, ARGYLESHIRE, a.—OCTOBER 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 in.

1	29.61	29.51	51.0	58.2	59.2	46.0	1.0	5.0	348	345	93	71	Calm	0	Calm	0	6	10.00	0.6	—	—	Dull.
2	51	57	57.5	55.5	59.5	51.7	1.5	1.3	427	403	90	91	W	4	S	6	10	10	5.2	—	Dull, with ● showers	
3	46	42	59.2	57.0	60.2	54.3	0.3	0.0	494	465	98	100	W	5	Calm	0	10	10	2.8	—	Dull, with ● and mist.	
4	29.52	37	49.2	53.0	59.2	47.0	1.2	2.0	319	347	92	86	Calm	0	W	2	2	10	1.6	—	Fine day. Dull p.	
5	28.81	19	56.2	49.2	57.3	43.0	0.5	2.2	437	296	97	85	S	4	W	7	10	10	4.1	—	▲ showers. 11.30 p.	
6	29.41	29.49	48.2	54.3	54.7	42.0	0.2	0.0	332	423	99	100	W	5	W	4	10	10	3.2	—	Dull, with ● showers.	
7	42	28.99	55.2	56.5	59.7	51.0	0.2	0.3	430	447	99	97	S	6	S	7	10	10	1.80	—	● and mist.	
8	43	29.89	56.0	54.7	57.3	49.3	0.0	5.2	449	293	100	69	W	6	NW	5	10	8	—	—	Fine, with fresh breeze.	
9	90	75	54.1	56.3	58.5	51.0	3.3	2.3	328	387	79	85	S	5	S	5	7	10	5.0	—	Squally, with ●.	
10	65	63	55.5	52.5	59.3	50.0	2.3	1.5	376	354	85	89	S	5	S	1	10	10	8.6	—	Stormy, with ●.	
11	51	42	54.5	50.0	59.5	45.0	3.0	3.0	342	286	80	80	S	5	S	5	9	8	5.7	—	● a. ● showers.	
12	35	33	53.0	51.2	55.2	46.3	3.5	4.2	311	274	77	73	S	5	S	5	10	10	6.2	—	● showers.	
13	32	44	48.2	49.5	52.0	45.0	1.7	2.8	295	285	89	81	Calm	0	W	5	10	10	1.88	—	● and mist.	
14	47	13	50.5	49.2	55.0	45.0	2.3	4.7	309	243	84	69	W	5	W	9	10	10	3.6	—	● showers.	
15	21	23	51.2	51.7	53.0	45.2	5.2	3.9	253	287	67	75	W	5	SW	2	10	10	3.0	—	Dull, with ●.	
16	35	29	51.9	52.3	52.5	48.0	2.9	0.6	311	376	81	96	W	5	W	2	10	10	—	—	Fine.	
17	34	39	52.2	43.7	55.3	42.0	0.2	1.2	385	258	99	90	S	2	Calm	0	10	0	6.4	—	Fine a. ● afternoon.	
18	60	71	41.5	48.2	53.7	39.0	0.0	2.2	262	283	100	85	Calm	0	W	1	0	8	8.6	—	Dull, with ● and mist.	
19	64	35	52.0	53.7	56.2	46.5	1.3	2.2	353	352	91	86	W	2	S	6	10	10	1.30	—	● showers.	
20	35	27	49.2	51.5	58.3	48.5	2.0	3.7	301	289	86	76	W	4	W	5	10	10	1.32	—	● showers.	
21	40	73	48.3	49.2	51.7	41.5	3.3	2.2	261	296	77	85	W	5	W	5	10	10	3.7	—	● showers.	
22	29.51	29.48	53.5	54.6	56.2	47.5	1.0	4.1	382	317	93	75	W	4	W	8	10	—	3.0	—		
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

† Beaufort Scale (0-12).

DUNDEE, FORFARSHIRE, c.d.—OCTOBER 1909.

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 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.	ins.	50°0	48°2	58°5	46°2	1°0	0°6	in.	in.	%	%	SE	†	NE	†	ins.	hrs.		Dull and cloudy.
1	29°49	29°40	50°0	48°2	58°5	46°2	1°0	0°6	334	323	93	96	SE	1	NE	1	—	—	—	Cloud and sunshine. ● from 5p.
2	42	50	54°9	52°8	58°9	48°2	1°3	0°9	394	374	92	93	W	1	SW	1	10	10	06	Dull and cloudy.
3	42	29	59°0	55°0	60°6	51°8	2°0	0°5	436	418	88	97	SW	2	SW	1	10	10	03	Fine till 3.30p., then dull.
4	29°41	28	55°2	51°2	60°6	50°7	2°0	1°5	379	338	87	90	W	1	E	3	5	10	07	● 6.30a. - 9a. ● showers to noon.
5	28°01	05	51°7	42°5	57°2	42°0	0°7	3°0	305	211	95	78	SE	3	W	5	10	0	07	11a. - 2p.
6	29°29	29°46	46°7	50°2	54°5	40°2	3°2	1°7	247	320	79	89	SW	5	W	5	5	5	05	Dull. ● showers.
7	45	28°98	50°2	55°4	55°7	47°5	2°0	1°6	312	393	86	90	S	5	SE	5	10	10	04	Dull till 9a., then fine.
8	23	29°78	54°5	40°5	58°2	45°4	2°8	2°8	347	253	81	81	SW	5	SE	5	10	0	—	Fine till 3.30p.
9	89	70	49°8	52°7	59°8	45°5	1°6	2°2	317	339	88	86	SW	3	SW	3	10	10	—	Dull and cloudy.
10	64	50	54°2	56°0	59°2	52°0	0°3	1°5	385	434	92	97	SE	1	SW	5	10	10	22	● showers 9a. - 4p.
11	50	39	52°2	49°0	57°5	48°2	0°3	1°5	382	310	98	90	SE	1	SW	5	10	10	28	Dull and cloudy. ● 2p. - 7.30p.
12	41	35	49°5	44°2	55°6	40°9	2°0	0°4	304	281	87	97	SW	3	SW	3	10	10	40	● 7a. - 2p. 11a. - 2p.
13	20	38	47°0	44°6	52°7	42°0	0°5	1°1	311	270	97	92	NE	1	SW	3	10	5	64	Dull. / from noon.
14	48	04	48°0	50°2	53°8	44°5	2°0	1°0	285	337	86	93	SW	3	SW	5	10	10	24	● shower 2p.
15	12	07	48°2	46°5	52°5	43°5	3°2	2°0	261	270	78	86	SW	5	SW	1	5	10	05	Fine, then dull. ● from 8p.
16	22	23	42°2	49°0	53°6	45°2	2°7	0°4	285	338	82	97	SW	5	SW	1	10	0	01	Dull till 2p., then fine.
17	18	25	48°2	45°5	54°2	45°0	0°3	0°7	330	289	98	95	SW	1	NW	1	10	10	01	Dull and cloudy.
18	46	62	48°0	47°0	50°2	40°3	0°8	0°8	314	303	94	94	NE	1	NW	1	10	10	07	Dull. ∞. ● from 5.30p.
19	56	32	48°2	50°0	52°8	42°6	0°6	0°5	323	348	96	97	SW	3	S	1	10	10	34	Fine to 1p., then dull.
20	20	18	52°7	50°2	56°2	49°2	3°7	1°0	302	337	76	93	W	5	SW	3	5	10	00	Fine till 1p. ● shower 2p.
21	30	57	48°2	41°0	51°8	40°0	3°2	0°5	261	246	78	96	SW	5	SW	5	5	10	03	Dull. ● showers till 1p.
22	52	36	49°2	49°8	54°3	40°4	1°3	2°0	318	307	91	87	SW	5	SE	5	10	10	81	● from 2.30p. - n.
23	38	11	49°5	43°5	51°7	42°8	2°5	0°7	292	267	83	94	SW	5	SE	1	10	10	—	Cloud and sun-shine.
24	23	44	44°3	40°5	47°2	40°0	1°6	3°5	250	184	88	73	NW	1	W	3	10	5	—	Cloud and sunshine.
25	57	66	43°0	38°0	47°7	35°5	3°2	3°0	211	173	77	75	NW	3	NW	1	5	5	—	Fine.
26	60	68	36°5	32°7	45°0	30°2	1°5	1°0	187	105	87	88	N	1	NE	3	0	0	—	Fine.
27	70	74	35°9	32°6	44°0	26°9	2°2	1°8	172	147	82	79	NW	1	NW	1	0	0	—	Fine.
28	70	70	37°5	33°5	44°2	31°4	3°3	1°5	164	161	73	84	W	1	NW	1	5	0	—	Cloud and sunshine.
29	68	74	35°2	32°5	43°5	28°8	1°7	0°7	173	170	84	91	SW	1	NW	1	5	0	—	Cloudy.
30	29°75	29°90	33°2	30°0	40°0	28°2	1°0	0°0	169	140	89	83	NW	1	NW	1	5	0	—	∞
31	30°09	30°13	30°0	30°0	42°0	23°9	0°5	0°2	153	161	92	97	SW	1	SW	1	5	0	—	
M.	29°452	29°445	47°1	44°9	52°7	41°3	1°8	1°3	289	278	87	90	2°5	2°9	7°6	5°5	3°56	—	—	

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—OCTOBER 1909.

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.

Long. 141 W. Lat. 35 S.																				
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	ins.	ins.	°	°	°	°	°	in.	in.	%	%	NW	†	0	10	ins.	hrs.	°	Dull. ≡ ²	
2	29.29	29.24	47.9	52.9	55.2	41.9	1.3	0.1	301	398	91	100	W	4	0	8	—	0.5	38	Dull, then fine.
3	30	38	58.4	53.0	63.9	48.8	2.4	1.1	415	371	85	92	S	4	0	7	—	4.1	45	
4	31	38	56.8	52.4	59.3	49.6	2.1	0.1	400	371	86	99	S	4	1	7	08	0.4	46	Fine, then cloudy.
5	29.16	29.14	58.2	51.9	65.0	50.8	1.5	2.0	439	387	90	100	SE	6	1	6	05	3.0	48	Dull, with ● n.
6	28.87	28.88	51.3	43.0	61.0	42.3	0.6	2.0	362	234	96	84	SE	3	1	8	04	3.7	47	Fine and bright.
7	29.23	29.41	48.0	47.0	57.0	39.0	3.0	2.2	263	271	79	85	WNW	6	1	2	01	—	39	Dull.
8	37	28.95	47.4	54.1	55.0	36.3	1.3	1.0	296	390	91	93	SE	4	1	9	01	—	39	Dull. Clear n.
9	38	29.61	59.7	42.9	60.5	42.0	3.7	1.0	399	255	78	92	W	3	1	10	04	6.8	34	Fine and bright. ● n.
10	77	66	53.8	50.0	60.0	38.0	3.1	1.0	330	334	79	93	W	3	1	10	01	1.5	45	Dull and breezy.
11	77	66	53.8	50.0	60.0	38.0	3.1	1.0	330	334	79	93	W	3	1	10	01	—	47	Dull. ● 5p.
12	35	37	56.8	50.4	61.3	49.0	0.0	0.6	462	352	100	96	SE	2	1	2	12	—	40	Fine, then ● showers.
13	37	49	50.4	57.0	62.5	42.5	1.0	1.0	322	324	93	93	S	3	1	4	01	3.8	43	
14	41	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	SW	4	1	8	01	5.4	36	Fine and bright, then dull.
15	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	SW by W	4	1	4	—	4.5	43	Fine.
16	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	3	1	5	05	0.9	42	Dull, with ● showers.
17	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	3	1	9	02	0.3	45	Dull.
18	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	3	1	9	02	3.5	42	Cloudy.
19	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	SSW	2	1	7	07	1.2	43	
20	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	SSW	3	1	4	10	—	47	Fine. ● showers p.
21	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	4	1	4	11	7.9	47	Fine.
22	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	4	1	4	07	5.4	40	Cloudy.
23	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	4	1	3	01	1.5	37	Dull, with ●.
24	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	W	4	1	3	01	—	45	Dull.
25	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	SSW	3	1	10	4	—	31	Fine and bright.
26	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NW	6	1	10	08	7.4	31	▲ showers a.
27	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NNW	5	1	2	02	3.4	25	▲ showers.
28	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NE	2	1	7	05	5.0	28	Fine. ● showers.
29	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NE	2	1	3	10	2.4	31	▲ showers.
30	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NNW	4	1	4	29	0.9	28	* ▲ showers.
31	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NNW	4	1	2	1	8.0	25	Fine day.
32	48	50	54.1	56.0	66.0	36.0	2.8	3.0	291	336	81	80	NNW	3	1	1	01	5.9	23	Fine day.
M.	29.315	29.313	48.8	45.9	54.1	40.8	2.0	1.6	305	283	85	88	3.5	3.2	6.0	4.9	2.94	103	38.8	

DOUGLAS, ISLE OF MAN, a.—OCTOBER 1909.

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.

Long. 4 28 W. Lat. 54 10 N. Owing to

1	29°31'	29°30'	52°5'	54°0'	57°2'	51°5'	0°3'	0°2'	387	412	97	99	ENE	2-3	ESE	1	10	10	021	0°4'	51	Dull, with ☉ showers.
2	40	46	54°0'	56°0'	62°0'	52°8'	0°0'	0°2'	418	443	100	99	SSW	1	SW	1	10	10	226	0°8'	51	≡ a. Dull day.
3	30	22	55°7'	57°6'	60°0'	55°3'	0°2'	0°5'	438	460	99	97	SE	2	W	1	10	10	130	0°9'	50	≡ till 2p. ☉ 7p.
4	29°29'	29°19'	53°8'	55°0'	59°4'	53°5'	0°9'	0°5'	389	418	93	97	WSW	2-3	SSW	1	4	0	155	1°3'	50	Dull, with ☉ showers.
5	28°78'	28°74'	51°2'	53°2'	55°8'	43°0'	1°4'	2°4'	270	340	72	84	WSW	6-7	SW	4	5	0	009	5°7'	49	Squally, with ☉ showers.
6	29°36'	29°46'	51°2'	53°2'	55°8'	43°0'	1°4'	2°4'	270	340	72	84	SE	5-6	SSW	6	10	10	167	7°1'	38	Fine, but squally.
7	30	04	54°3'	56°8'	57°5'	46°5'	2°9'	1°0'	341	432	81	94	SE	5-6	W	2	9	0	197	—	47	☉ showers.
8	23	77	51°5'	47°8'	57°0'	45°0'	2°5'	2°1'	316	281	83	85	WNW	4	W	2	9	0	—	4°2'	50	
9	81	59	55°0'	53°8'	56°3'	46°5'	2°5'	0°2'	362	409	84	88	SSW	2-3	SSE	3-4	9	10	319	2°1'	40	Gloomy till 4p.
10	54	47	56°0'	54°0'	57°5'	53°0'	0°4'	0°4'	437	406	97	97	SSE	3-4	W	1	10	10	621	—	52	☉ 11.30a.-7p.
11	28	32	55°6'	51°6'	58°2'	49°0'	0°6'	1°7'	425	338	96	88	SE	3	SSW	1	9	10	800	2°2'	51	☉ showers 11a.-2.30p. ≡
12	26	18	53°0'	53°2'	54°7'	46°0'	1°0'	2°6'	275	280	92	82	W	4-5	SW	2	9	0	1410	0°7'	40	☉ showers till 3p. ☉ 10p.
13	06	18	52°3'	54°7'	55°3'	48°0'	3°2'	1°7'	310	379	79	89	SW	4-5	SW	8-9	3	0	074	5°0'	42	T 6a. ☉ 4p. ☉ 5p.
14	50	23	52°1'	50°0'	55°7'	49°5'	3°6'	2°7'	298	293	76	82	W	3-4	WSW	3-4	9	10	101	3°4'	42	Fine a. ☉ afternoon.
15	19	23	52°1'	50°0'	55°7'	49°5'	3°6'	2°7'	298	293	76	82	W	3-4	WSW	3-4	9	3	—	2°5'	45	Cloudy and squally.
16	26	15	52°9'	51°9'	55°0'	48°2'	0°8'	0°4'	394	324	94	94	SW	2	WNW	1	9	7	080	0°9'	45	≡
17	07	12	53°0'	53°0'	54°1'	46°0'	2°4'	0°5'	328	389	84	97	SW	1	SSE	1	9	4	684	0°4'	44	Dull. ☉ showers after 3p.
18	29	54	52°2'	53°0'	54°1'	46°0'	2°4'	0°5'	328	389	84	96	SW	1	WNW	1	9	0	035	2°6'	47	☉ showers. Cloudy.
19	27	23	54°5'	51°1'	58°0'	51°0'	2°3'	3°1'	360	253	82	79	SSW	2	S	6-7	9	10	1175	0°4'	40	Dull. ☉ from noon.
20	39	66	48°1'	47°0'	52°1'	43°6'	2°6'	3°0'	273	253	82	79	SW	3-4	SW	3-4	3	0	010	6°1'	49	Fine till 2p., then dull.
21	54	29.54	53.6	52.1	56.1	44.9	0.6	2.1	394	334	96	85	SSW	4-5	SW	3-4	4	0	246	4°3'	43	☉ showers 10a.-3.30p.
22	37	28.98	53.3	46.0	56.0	44.0	0.5	2.0	393	265	97	86	SSW	1	W	6-7	10	8	229	0°3'	40	Dull and squally, with ☉.
23	28	29.47	45.0	42.6	46.0	42.5	1.8	2.6	257	219	86	81	W	6-7	W	5-6	3	0	—	—	46	☉ showers till 8a.
24	53	47	43.2	38.9	47.5	35.9	2.7	1.8	223	202	80	86	W	3-4	Calm	0	3	0	010	6°6'	38	Fine. Squally till 1p.
25	32	46	43.0	41.2	46.0	35.5	3.8	2.6	201	207	72	80	E	5-6	NNE	5-6	6	3	—	3°2'	28	Gloomy till 11a. and after 3p.
26	40	52	41.0	41.2	45.0	38.0	4.1	3.0	178	200	69	77	NE	5-6	NNE	4-5	6	8	—	6°8'	35	Gloomy after 3p.
27	57	52	40.2	38.0	43.3	34.0	3.7	3.8	179	160	72	69	NNE	3	N	1	7	0	—	7°6'	34	Fine day.
28	57	67	41.3	39.1	43.8	33.2	2.5	0.4	211	200	81	96	WNW	1	N	3	2	1	012	7°0'	24	~. Fine. ☉ 11a. < 6p.
29	68	73	41.5	35.4	46.0	34.0	2.5	0.4	211	200	81	96	W	1	NW	1	2	9	055	6°5'	26	Δ a. and 4p.-8p.
30	29°89'	29°99'	43°7'	38°5'	45°0'	33°5'	4°3'	2°1'	198	192	70	83	ESE	2	NE	1	3	0	—	7°5'	29	Δ showers a. Fine day.
M.	29°376'	29°394'	50°3'	48°7'	54°3'	44°8'	2°1'	1°8'	321	310	85	87	3°4'	2°9'	7°2'	4°6'	8°385'	102	42°2'			

† Beaufort Scale (0—12.)

STONYHURST, LANCASHIRE, a.—OCTOBER 1909.

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.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.	9 p.m.												
	ins.	ins.						in.	in.	%	%	NNE	*			ins.	hrs.	°			
1	29.24	29.23	49.0	52.0	54.1	46.5	0.0	0.0	348	388	100	5	—	1	10	9	—	43	Mist and drizzling ●.		
2	35	43	55.0	57.5	62.0	51.5	0.8	1.3	409	433	94	—	2	SW	6	10	9	40	Mild a. Sunny p.		
3	29	46	57.5	57.5	59.5	53.1	0.8	0.0	449	475	95	100	SSE	7	WSW	9	100	48	● 10a—5p. and 8.30p.—10p.		
4	29.24	29.15	57.5	54.0	59.5	53.5	1.0	2.5	403	248	93	82	WSW	6	—	3	10	6	● showers a. Dull.		
5	28.81	46	55.0	45.5	58.5	45.5	1.0	2.5	298	280	83	87	W	9	—	3	7	0	Squally, with ● showers.		
6	29.32	46	50.0	47.0	55.0	45.0	2.0	0.5	323	434	86	97	S	15	—	3	10	0	Fine day.		
7	37	46	51.0	56.0	57.0	45.0	2.0	0.5	413	269	96	76	WSW	8	NW	5	10	0	Squally, with ● showers.		
8	10	67	54.7	49.6	57.0	48.5	2.0	1.0	399	352	86	93	—	3	S	13	10	0	Fine.		
9	80	64	50.0	51.3	57.0	42.0	2.0	1.0	419	477	93	96	S	7	S	10	10	0	Sunny a. Cloudy p.		
10	54	41	56.0	58.8	61.0	51.1	1.0	1.6	475	395	92	88	SE	7	S	10	10	0	Dull day.		
11	32	30	60.0	48.8	62.1	47.5	1.3	1.6	337	348	89	93	S	15	S	10	4	10	Misty. ● 3p.—5p.		
12	30	20	51.3	51.0	58.5	45.3	1.6	1.0	337	348	89	93	SE	25	SW	5	10	4	Fine a. ● 5p. < 8p.—9p.		
13	00	38	54.8	47.3	55.0	42.3	2.8	2.3	351	359	93	90	WSW	4	SSW	23	7	100	▲▲ 3p. T 8p. < 9.30p.		
14	48	23	48.0	52.9	55.5	43.6	1.0	1.5	399	359	86	85	SW	8	WSW	14	100	0	● 10a. ● showers.		
15	15	14	51.0	51.0	55.0	49.0	2.0	2.2	323	318	86	85	SW	7	—	1	5	100	Mild a. Dull. ● 6p.		
16	21	09	50.0	53.0	56.0	49.5	1.0	0.0	334	403	93	100	SW	7	—	1	5	100	Sunny intervals.		
17	02	08	51.7	53.2	59.5	50.5	1.9	0.5	376	391	88	93	SW	4	S	7	10	10	Fine day. T 3p.		
18	25	40	54.9	53.2	59.5	47.5	2.0	2.0	347	344	86	87	SW	7	SW	7	6	10	Fine a. Dull p.		
19	51	36	53.0	52.7	57.0	45.0	0.6	1.0	394	374	96	93	WSW	9	SW	7	100	10	▲▲ early a. ● 8p.		
20	23	19	53.6	53.0	59.1	50.7	2.7	2.3	293	271	82	84	SW	15	W	12	6	100	T 4p. ▲▲ 5p. T 5-30p.		
21	35	58	50.0	47.3	53.7	45.3	0.8	2.0	312	357	94	87	S	10	WSW	15	100	2	● a. ● showers p.		
22	60	29.48	47.8	53.7	56.0	42.0	0.8	1.5	339	310	94	90	S	6	W	14	10	6	▲▲ showers. T evening.		
23	36	28.93	50.0	49.0	57.0	47.5	2.7	2.4	267	240	81	82	WNW	23	W	14	10	0	● early a. Sunny day.		
24	14	29.39	47.7	44.4	49.2	43.0	2.7	2.4	215	200	78	86	NW	10	—	2	6	0	● 8a. and 11a. Cold wind		
25	43	41	43.0	35.4	46.6	34.0	3.5	2.7	196	202	85	79	NE	9	NE	11	9	5	Fine. T 11p.		
26	27	23	38.5	41.0	43.1	32.0	1.9	2.7	180	179	70	75	E	8	NE	10	7	4	● 9a.—3p. T 7p.—10p.		
27	33	30	41.0	39.2	45.2	36.5	4.0	3.2	194	183	80	76	NNE	7	N	7	8	2	Fine and sunny. ● 6p.		
28	40	42	39.5	39.5	42.9	36.1	2.5	3.1	148	203	68	86	N	4	N	7	2	5	● early. Sunny. < p.		
29	44	52	36.3	32.7	43.0	29.3	3.8	1.8	143	150	75	81	—	1	—	3	0	0	7.0		
30	60	68	33.4	32.7	44.5	27.5	2.4	1.7	139	184	76	79	NNE	5	NNE	5	1	7	23		
31	29.81	29.87	32.2	38.7	44.5	27.5	2.0	2.7	139	184	76	79	NNE	5	NNE	5	1	7	23		
M.	29.330	29.339	49.1	48.6	54.2	43.9	1.7	1.6	319	314	87	89				9	7.6	6.3	5.457	88	40.5

SHREWSBURY, SHROPSHIRE.—OCTOBER 1909.

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	ins.	ins.	56.0	48.0	62.5	48.0	0.5	0.0	43.4	33.5	97	100	SSW	1	SSW	1	9	0	01	—	43	● 11a.—noon. Fine p.	
2	29.40	29.41	56.0	48.0	62.5	48.0	1.8	1.8	367	424	87	88	W	2	Calm	0	8	6	10	—	40	Dull day. ● n.	
3	29.42	29.43	57.0	48.0	63.5	48.0	0.0	2.0	465	470	100	88	SE	3	W	3	100	5	20	—	45	● till 1.30p. Cloudy.	
4	29.44	29.45	57.0	48.0	63.5	48.0	2.4	0.5	464	354	86	96	WSW	3	WSW	1	9	0	05	—	44	Dull a. Fine evening.	
5	29.46	29.47	56.0	48.0	63.5	48.0	1.0	1.3	432	283	94	91	SE	3	NW	3	0	0	08	—	42	● showers. Fine p.	
6	29.47	29.48	56.0	48.0	63.5	48.0	3.1	1.0	309	298	79	93	W	3	NW	3	0	0	00	—	35	Fine day.	
7	29.49	29.50	56.0	48.0	63.5	48.0	2.0	2.0	337	436	86	88	SSW	3-4	SSW	3	9	0	21	—	37	Strong wind and ● showers.	
8	29.51	29.52	56.0	48.0	63.5	48.0	1.9	2.6	406	263	88	82	SSW	2	NNW	2	6	0	01	—	41	● a. Cloudy. Fine p.	
9	29.53	29.54	56.0	48.0	63.5	48.0	3.0	1.4	299	363	80	90	SE	2	SSE	4	0	0	04	—	32	Bright a. Dull afternoon.	
10	29.55	29.56	56.0	48.0	63.5	48.0	1.0	0.8	451	490	93	96	SSW	3	SSW	1	8	100	19	—	51	Dull a. ● p.	
11	29.57	29.58	56.0	48.0	63.5	48.0	1.5	1.3	477	328	91	91	SSW	4	SSW	2	9	0	23	—	45	Dull a. ● afternoon.	
12	29.59	29.60	56.0	48.0	63.5	48.0	2.5	1.8	342	366	83	87	S	3	S	3	7	0	24	—	37	Bright. ● shower 5p.	
13	29.61	29.62	56.0	48.0	63.5	48.0	2.2	1.1	342	265	85	92	SW	3-4	SW	3-4	8	0	—	—	37	● early a. Fine day.	
14	29.63	29.64	56.0	48.0	63.5	48.0	2.6	2.2	326	370	83	86	W	2-3	W	4	2	10	21	—	32	Fine day. ● showers 6p.	
15	29.65	29.66	56.0	48.0	63.5	48.0	0.0	2.3	468	338	100	85	SW	2	SW	3-4	10	2	10	—	48	● till 4p., then fine.	
16	29.67	29.68	56.0	48.0	63.5	48.0	2.4	0.8	340	455	84	95	WSW	2	S	1	2	100	22	—	37	Fine day. ● from 8p.	
17	29.69	29.70	56.0	48.0	63.5	48.0	2.0	1.0	360	388	86	93	SW	1	SW	2-3	6	2	02	—	47	Fine a., then cloudy. ● 3p.	
18	29.71	29.72	56.0	48.0	63.5	48.0	0.5	0.4	403	346	97	97	SE	1-2	SE	2	6	0	—	—	42	Fine day.	
19	29.73	29.74	56.0	48.0	63.5	48.0	1.8	3.0	370	334	88	80	SW	2	SW	1	8	10	07	—	38	Bright a. Cloudy. ● 11p.	
20	29.75	29.76	56.0	48.0	63.5	48.0	1.0	1.9	407	361	94	87	SW	2	SW	3	8	10	04	—	50	● till 10 a. Cloudy.	
21	29.77	29.78	56.0	48.0	63.5	48.0	3.0	3.2	310	242	80	78	SW	2-3	SW	3	7	0	14	—	41	● showers. — 1p.	
22	29.79	29.80	56.0	48.0	63.5	48.0	1.0	1.5	348	385	93	90	S	2-3	S	2	10	10	01	—	38	Overcast day.	
23	29.81	29.82	56.0	48.0	63.5	48.0	1.8	1.0	393	322	88	93	S	3	S	3	10	4	53	—	41	● showers. Fine evening.	
24	29.83	29.84	56.0	48.0	63.5	48.0	4.8	1.0	247	237	69	93	NW	5-6	NW	2	4	3	04	—	38	● showers. Sunny intervals.	
25	29.85	29.86	56.0	48.0	63.5	48.0	0.5	2.5	221	234	96	81	WNW	3-4	WNW	1	1	0	—	—	29	Cloudy day.	
26	29.87	29.88	56.0	48.0	63.5	48.0	0.5	2.5	221	234	96	81	NE	2	SE	4	10	10	03	—	27	● a. and p. Overcast day.	
27	29.89	29.90	56.0	48.0	63.5	48.0	3.0	3.1	197	197	71	77	ENE	4-5	NE	3-4	8	10	—	—	38	Cloudy day.	
28	29.91	29.92	56.0	48.0	63.5	48.0	2.0	2.1	182	202	83	83	N	4	N	3-4	6	10	—	—	34	Overcast and very cold.	
29	29.93	29.94	56.0	48.0	63.5	48.0	3.6	1.7	168	193	72	85	NE	3-4	N	2	0	10	02	—	29	Cloudy day.	
30	29.95	29.96	56.0	48.0	63.5	48.0	0.8	0.0	186	160	92	100	W	2	WNW	1	2	0	—	—	24	Fine day.	
31	29.97	29.98	56.0	48.0	63.5	48.0	2.0	2.0	138	199	93	84	NE	2	NW	2	0	10	—	—	20	Fine a., then cloudy.	
M.	29.522	29.534	50.9	48.7	57.9	42.8	1.9	1.5	338	317	87	89	2.7	2.3	6.0	4.8	2.79	—	38.1				

CAMBRIDGE, a.—OCTOBER 1909.

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.

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† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—OCTOBER 1909.

Height above Mean Sea Level, 214 feet. Heights above Ground:—Bar., —8 feet. Therms., 4 feet

SOUTHAMPTON, HAMPSHIRE, a.—OCTOBER 1909.

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.	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.	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SE	4	NW	2	8	2	ins	hrs.	°	Fine. Δ p.	
2	29.54	29.56	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	W	3	SW	3	8	10	2.30	1.6	43	≡ n. Δ a. Cloudy.	
3	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	5	10	10	0.70	—	57	● till 10.30a. Dull day.	
4	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	4	SW	3	10	10	0.7	—	57	Dull day.	
5	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	4	10	0	0.10	5.4	48	● showers till 10a. Δ p.	
6	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	0	0	—	8.9	33	Δ a. and p. Fine day.	
7	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	0	10	0.80	1.1	40	Strong wind and ● 2p.-10p.	
8	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	0	10	0.20	3.2	41	● showers a. Fine. Δ p.	
9	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	0	10	0.90	7.0	32	Fine. ● 7p.-8p.	
10	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NW	3	SE	3	0	10	0.75	—	52	● all day.	
11	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	S	5	S	4	10	10	0.30	3.2	53	● till 2.30a., and 3p.-6p.	
12	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	3	SW	3	10	0	0.60	6.6	36	Fine day.	
13	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	3	SW	5	2	10	0.25	1.7	45	Dull till 10a.	
14	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	6	SW	3	10	10	0.15	8.8	33	Misty a. Fine day.	
15	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	6	SW	6	10	10	0.70	—	51	● 4a.-6a., and from 3p.	
16	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	4	10	10	0.80	—	57	● all day.	
17	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	10	0	1.00	3.8	53	Fine.	
18	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	3	10	0	0.04	1.5	45	Cloudy day.	
19	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	5	SW	10	2	0.70	4.6	42	≡ till 11a., then fine.		
20	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	4	SW	5	10	10	0.10	—	51	● 7a.-9p.	
21	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	4	SW	4	0	0	0.25	7.1	43	Fine, then dull. ● after 8p.	
22	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	3	SW	4	2	10	0.10	0.7	39	● a. \nearrow . ● showers 7p.-9p.	
23	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SW	4	SW	6	10	10	0.20	0.2	51	● showers 2p.-4p. —	
24	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NW	5	NW	3	1	1	0.30	8.8	33	Fine day.	
25	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NW	4	NW	4	0	0	0.30	—	30	● 1a.-9.30p.	
26	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	SE	5	NE	4	10	10	0.90	—	43	Drizzling ● showers all day.	
27	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NE	5	NE	5-6	10	10	0.20	—	38	● showers a. ● from 9a.	
28	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NE	5	NE	5	10	10	1.300	—	28	Fine after 10a. \cup p.	
29	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NW	3	NE	3	2	1	—	1.8	21	Cloudy day. \cup	
30	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NE	4	NE	4	10	10	0.28	—	30	Cold ● 11a.-midt.	
31	29.52	29.54	61.9	57.5	65.0	55.4	1.5	0.4	503	461	91	97	NE	4	NE	4	10	10	—	—	—	—	—
M.	29.740	29.748	54.1	52.0	58.5	47.6	1.9	1.2	376	367	87	91	4.1	3.9	6.9	5.7	9.395	90	42.4				

PLYMOUTH, DEVONSHIRE, a.—OCTOBER 1909.

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	29.52	29.55	57.8	58.0	65.0	47.2	1.5	2.7	433	401	90	83	—	0	—	0	10	10	3.8	1.9	36	Dull and gloomy.	
2	57.8	58.0	65.0	62.7	53.6	0.5	0.2	478	457	97	99	—	0	—	0	10	10	3.8	1.9	36	Gloomy day.		
3	59.6	63.0	60.3	64.8	54.6	0.4	0.0	505	524	98	100	SSW	24	SW	15	10	10	3.8	1.9	36	☉ showers.		
4	68.8	55.5	59.6	58.6	60.5	58.6	0.3	0.2	501	486	98	98	WSW	8	—	2	10	10	3.8	1.9	36	Dull, with ☉ showers.	
5	29.55	59.6	58.6	64.9	52.2	1.4	3.5	455	301	92	77	SW	23	NW	6	10	0	—	7.0	57	Fine day.		
6	29.55	59.6	58.6	64.9	52.2	1.4	3.5	455	301	92	77	SW	23	NW	6	10	0	—	9.6	34	Fine day.		
7	66.74	82.51	51.0	55.0	58.9	41.0	3.0	2.4	299	365	80	85	—	0	SSW	12	0	—	5.0	50	Dull, with ☉. 1 p.-4 p.		
8	29.50	59.6	58.6	64.9	52.2	1.4	3.5	455	301	92	77	SW	23	NW	6	10	0	—	5.0	50	Fine.		
9	30.12	30.09	56.6	52.0	61.7	52.0	2.4	3.4	389	301	84	80	98	S	15	S	19	4	10	3.4	34	Fine a., then dull.	
10	29.87	29.80	58.0	58.6	60.5	46.4	0.0	0.2	482	486	100	98	SSW	13	SSW	12	10	10	7.4	34	Dull, with ☉.		
11	66.69	57.8	55.2	59.1	55.1	0.7	3.0	457	352	95	81	SE	22	SSW	20	5	0	—	1.4	5.1	48	Dull, with ☉ showers.	
12	65.58	58.54	52.2	59.6	52.2	3.2	4.5	343	279	80	72	SSW	22	SSW	20	5	0	—	0.3	6.8	58	Fine.	
13	90.89	55.7	56.0	61.2	51.1	3.7	1.3	343	411	77	91	—	3	SW	19	2	10	10	0.6	6.3	42	☉ 6a. Fine.	
14	73.65	57.7	57.6	59.3	54.1	1.0	0.6	447	457	94	96	SW	27	SW	21	10	10	10	5.8	—	53	Dull, with ☉ showers.	
15	61.50	58.4	57.8	60.3	57.1	0.2	0.0	483	475	99	100	SW	8	SW	15	2	10	—	5.1	54	52	Dull, with ☉.	
16	43.39	56.6	57.8	59.8	54.9	1.4	1.2	417	443	90	92	—	1	SW	15	2	10	—	2.8	6.8	52	Fine, with cool breeze.	
17	52.77	57.0	54.0	63.7	49.5	0.9	0.8	437	394	94	94	—	0	—	1	9	0	—	0.1	7.0	34	Fine.	
18	90.86	49.6	56.6	60.1	43.7	1.1	1.5	327	414	93	90	—	0	SW	25	10	10	10	3.4	—	53	Dull day. ☉ afternoon.	
19	69.66	58.1	55.5	59.0	55.0	0.2	1.9	477	387	98	88	SSW	30	W	10	1	2	10	0.1	7.0	38	Fine.	
20	29.86	30.07	56.0	51.2	60.1	48.8	3.8	2.4	345	316	76	84	W	13	WSW	7	10	10	1.1	—	42	Dull, with ☉ showers.	
21	30.10	30.00	56.6	56.8	57.9	50.6	2.4	0.4	389	449	84	97	SSW	19	WSW	17	10	10	3.7	—	55	Dull. 3 p. and 7 p.	
22	29.82	29.38	57.8	51.2	58.5	51.2	0.7	0.0	457	377	95	100	SSW	26	WSW	16	10	6	0.7	6.6	41	Fine.	
23	82.92	52.4	47.7	54.3	46.7	4.9	5.1	273	219	70	67	NW	19	NW	16	4	0	—	1.13	7.4	35	Dull, with ☉.	
24	88.67	47.6	51.2	55.4	43.6	0.4	0.6	320	301	97	96	NW	7	N	ENE	7	10	10	4.0	2.4	48	Cloudy, with ☉ showers.	
25	13.60	53.6	54.2	58.8	48.9	0.0	0.7	412	400	100	96	SE	24	N	ENE	7	10	10	0.1	—	43	Dull day.	
26	31.63	45.6	47.8	56.0	44.7	2.6	1.2	248	303	81	91	ENE	20	NNE	13	10	10	—	—	40	20	Fine, with cold wind.	
27	44.60	41.2	44.6	48.6	41.0	1.5	2.6	227	237	89	80	NNE	22	N	15	10	0	—	8.6	29	Fine, with cold wind.		
28	71.83	41.0	39.6	48.2	34.4	2.4	2.6	208	193	81	79	N	10	—	2	0	0	—	7.1	17	20	Fine and cold.	
29	88.96	36.0	40.6	48.0	30.5	0.8	2.4	197	205	93	82	N	6	—	2	0	0	—	—	3.7	20	Fine and cold.	
30	29.94	29.87	37.0	40.0	47.6	30.0	2.7	3.1	170	187	77	75	N	8	NNE	17	2	10	—	—	—	—	—
M.	29.683	29.707	53.7	53.4	58.9	48.3	1.7	1.7	376	373	89	89	—	14	—	11	7.0	6.6	6.59	107	43.8	—	—

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHOENIX PARK), a.—OCTOBER 1909.

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.				
							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.	56.4	52.7	64.1	50.6	0.5	0.5	44.0	38.4	97	96	—	0	—	0	10	9	ins.	hrs.	0	≡ n. a. Cloudy.
2	29.42	29.44	56.4	52.7	64.1	50.6	0.5	0.5	44.0	38.4	97	96	SW	5	S	0	9	9	0.07	1.6	44	Overcast and cloudy.
3	53	53	59.3	59.8	65.0	46.4	2.4	2.9	42.9	42.3	85	82	—	3	—	0	10	9	0.50	1.3	40	• a. and p. Cloudy.
4	37	40	59.8	56.8	66.0	54.9	0.9	1.0	48.6	43.2	94	94	WSW	6	—	0	10	3	0.75	6.3	43	• a. Cloudy.
5	29.45	31	60.1	49.4	64.3	48.4	2.1	0.8	45.2	33.3	87	94	SW	17	SW	5	6	0	0.05	7.5	36	• 3a.-5a. Cloudy.
6	28.90	37	57.9	41.1	58.8	40.9	3.0	1.3	39.3	23.0	81	89	SW	11	SSW	12	4	0	0.05	8.6	35	Cloudy.
7	29.54	58	51.3	49.9	58.6	40.5	4.3	2.8	27.3	28.9	72	82	SSE	19	SSW	13	9	3	0.12	3.5	39	Overcast and cloudy.
8	24	16	56.5	58.5	65.6	46.9	3.0	3.6	37.1	38.3	81	78	WNW	8	W	4	7	0	—	6.8	33	Cloudy.
9	49	94	53.3	48.9	58.8	40.6	4.1	3.0	30.1	27.6	73	80	S	9	SW	15	8	4	0.24	2.8	31	Cloudy. • p.
10	88	64	58.9	60.0	60.8	38.9	4.5	2.2	36.5	44.7	73	87	SSE	8	WSW	5	10	10	0.24	—	50	Overcast.
11	58	60	60.7	56.7	62.3	55.2	3.0	1.8	43.5	40.6	82	88	SE	10	SW	6	10	0	0.18	5.0	40	Cloudy.
12	26	44	60.5	47.6	61.6	47.4	2.6	1.7	44.3	28.9	84	88	S	14	SW	13	9	1	0.305	4.3	39	Cloudy.
13	32	26	55.9	48.9	56.6	46.7	5.2	2.9	31.2	27.7	69	80	SW	8	SW	5	5	1	—	7.3	34	• n. Cloudy.
14	30	56	45.9	47.8	55.2	42.9	1.3	3.1	2.99	39.6	78	92	SSW	12	SW	25	9	10	0.05	0.2	39	Overcast. • showers.
15	36	31	51.6	54.8	59.9	41.1	3.3	1.2	29.9	39.6	78	92	SW	9	WSW	6	9	0	—	1.2	43	Cloudy.
16	38	29	52.1	47.9	58.9	44.9	3.2	0.9	30.7	31.0	78	94	SSW	6	—	1	9	0	0.10	0.7	38	• a.
17	18	20	51.8	51.6	57.5	41.2	1.7	0.6	34.1	36.6	88	96	—	0	—	0	9	9	0.230	0.4	35	Overcast.
18	46	68	51.4	45.3	57.8	42.9	0.6	0.9	36.4	28.2	96	93	NNW	6	—	1	10	1	0.16	4.1	34	• a.
19	68	42	51.8	56.6	56.8	41.8	2.8	1.6	31.3	41.1	81	89	SSW	7	SW	20	10	10	0.435	—	34	Overcast.
20	42	38	56.3	50.7	62.6	50.1	3.4	3.5	35.9	28.4	78	77	SW	10	SW	13	0	0	0.20	7.2	45	• n. Fine and bright.
21	59	88	46.9	45.4	53.7	42.6	2.2	2.7	26.9	24.4	85	81	SW	15	SW	6	9	7	0.155	6.2	37	Cloudy.
22	65	70	51.9	52.0	60.0	43.9	2.7	3.4	38.7	30.1	82	78	SW	24	WSW	14	9	8	0.390	1.4	41	Cloudy and overcast.
23	39	29	47.8	46.0	59.7	44.5	0.5	1.5	32.0	27.6	96	90	E	5	W	9	10	3	0.50	2.8	43	• a. and p. Cloudy.
24	66	77	46.3	40.9	47.8	39.1	3.1	1.6	24.5	22.2	78	87	W	8	W	9	3	7	0.62	4.7	34	Cloudy. Δ • p.
25	77	57	42.7	34.0	51.4	33.4	2.4	0.1	22.4	19.4	82	99	WSW	6	—	0	2	10	0.028	7.5	29	—
26	34	43	46.1	46.0	47.3	33.6	3.9	4.0	22.8	22.5	73	73	E	16	NE	20	9	10	0.012	—	32	Overcast. • p.
27	59	65	43.8	42.9	46.6	41.5	3.4	3.7	21.5	20.2	74	73	NE	17	NE	13	7	6	—	3.7	37	Cloudy.
28	73	75	39.0	31.7	46.4	30.9	1.9	1.7	20.1	14.0	85	78	NE	3	—	3	4	1	—	6.8	21	Cloudy.
29	82	90	33.8	31.6	46.6	25.9	1.9	0.6	15.6	16.4	81	92	W	4	W	4	1	0	—	6.5	19	Cloudy.
30	29.87	29.92	38.9	31.7	44.7	27.7	2.5	0.7	18.9	16.2	81	91	W	4	—	2	0	4	0.032	4.5	21	Cloudy.
31	30.05	30.15	31.8	27.8	45.7	24.8	0.8	0.6	16.0	13.3	90	88	—	3	—	1	9	1	0.005	5.5	19	• a. Cloudy.
M.	29.510	29.546	50.9	47.2	56.6	41.9	2.6	1.9	31.9	29.2	82	86	—	9	—	8	7.3	4.2	3.260	120	359	—

BIRR CASTLE, KING'S COUNTY, a.b.—OCTOBER 1909.

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, +0.021 in.

	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.			
1	29.39	29.41	57.9	51.7	60.8	49.8	0.8	1.8	45.5	33.7	95	88	S	2	S	1	10	7	0.17	1.3	—	• a. Cloudy. ≡ n.	
2	48	52	57.9	60.1	63.8	49.8	0.8	1.2	45.5	48.1	95	92	SW	1	S	3	10	10	0.52	1.0	—	Cloudy.	
3	31	42	60.9	60.0	65.5	58.6	1.0	1.1	50.1	48.2	94	93	SSW	2	Calm	0	10	10	0.12	2.6	—	• showers.	
4	29.43	27	57.7	53.7	64.6	50.9	1.1	1.8	44.4	36.2	93	88	W	1	SW	2	10	10	0.15	2.0	—	Cloudy and mild.	
5	28.93	36	54.0	41.1	55.9	39.4	3.0	1.6	33.4	22.4	80	87	SW	5	SW	2	6	8	0.32	6.2	—	• showers.	
6	29.53	51	50.3	49.2	57.9	39.8	2.3	1.9	30.6	30.3	84	87	SW	2	SW	3	3	10	0.50	6.3	—	Cloudy.	
7	07	10	55.2	56.9	62.0	46.2	0.9	1.9	41.0	40.6	94	88	E	7	SW	4	10	10	0.45	0.2	—	Overcast, with •.	
8	53	90	51.9	51.8	57.9	45.8	3.9	5.8	28.9	24.8	75	65	WSW	4	WSW	2	4	9	0.12	7.5	—	Overcast, with •.	
9	78	53	57.1	53.9	59.6	43.8	1.3	0.9	42.7	38.9	91	94	S	3	S	4	8	10	0.07	—	—	Overcast, with •.	
10	47	54	60.1	52.5	60.7	50.7	1.2	1.6	48.1	35.1	92	89	S	4	SW	2	10	10	0.27	3.5	—	• showers.	
11	18	38	50.2	46.9	57.0	44.8	0.6	2.4	43.4	26.5	96	84	S	1	S	2	10	10	0.36	3.2	—	• showers. T 4p. < Sp.	
12	24	21	50.8	45.9	55.6	44.8	2.0	1.1	32.1	28.5	87	93	S	2	S	1	10	10	0.16	6.1	—	Cloudy.	
13	29	51	47.0	45.8	54.5	42.0	1.2	1.9	29.3	26.6	92	86	WSW	1	S	2	6	7	0.17	—	—	Overcast, with •.	
14	62	32	52.0	57.0	57.9	44.3	2.1	1.1	33.3	43.1	85	92	SSW	3	SW	7	10	10	—	—	—	Cloudy.	
15	33	39	51.9	48.1	57.8	45.8	2.0	1.2	33.4	30.6	87	91	SW	2	Calm	0	10	10	0.90	0.3	—	Overcast, with •.	
16	33	26	51.2	49.9	56.8	44.5	1.5	1.0	33.8	33.3	90	93	SSW	1	Calm	0	8	10	0.13	0.9	—	• showers.	
17	10	13	51.7	53.0	58.5	45.8	1.7	0.9	33.9	37.7	88	94	SE	1	S	2	10	10	0.23	6.2	—	Cloudy. • n.	
18	49	63	49.9	51.9	56.8	46.3	1.4	1.4	32.3	34.9	91	91	S	1	S	2	7	10	0.86	—	—	Overcast, with •.	
19	63	35	52.7	57.9	58.5	47.8	1.2	1.0	36.5	45.0	92	94	S	2	SSW	3	4	10	0.16	6.3	—	• showers.	
20	36	37	54.9	50.9	59.1	48.8	2.1	2.7	37.2	30.5	87	82	S	2	W	1	10	10	0.20	6.1	—	• showers.	
21	55	84	46.5	44.9	54.6	43.8	1.4	0.9	28.3	27.6	90	93	SW	6	SW	3	10	10	0.52	0.5	—	• showers.	
22	61	69	46.0	45.8	58.4	43.2	1.0	2.7	28.7	32.8	93	82	SSW	6	SW	2	10	10	0.40	1.7	—	• showers.	
23	29	37	48.1	45.9	58.6	43.8	1.1	1.2	30.8	28.3	92	93	SSE	2	W	2	10	10	0.61	5.8	—	• showers. (11a.	
24	73	78	43.0	42.3	53.7	39.8	1.2	2.3	25.1	22.2	90	85	W	4	W	3	10	10	0.04	3.9	—	Cloudy and cool. • n.	
25	75	50	42.9	43.9	48.7	37.6	1.8	1.9	23.7	24.5	86	85	W	2	SE	1	10	10	—	0.2	—	Overcast and cold.	
26	22	35	44.9	45.3	47.8	41.8	2.8	1.1	23.6	27.7	80	72	ENE	4	NE	7	10	10	—	—	—	Cloudy and cold.	
27	55	64	38.9	36.8	45.7	33.8	2.6	2.7	18.7	16.9	80	77	NE	3	NE	3	8	7	—	—	—	Fine and frosty.	
28	73	73	32.4	30.9	45.7	27.8	1.2	0.9	15.8	13.2	85	84	NE	1	Calm	0	1	6	—	—	—	Cold.	
29	82	88	31.4	30.0	46.0	23.8	2.2	1.0	12.7	14.0	71	83	Calm	0	WNW	1	1	6	—	—	—	Cold.	
30	29.82	29.92	32.6	29.9	44.7	24.4	1.6	1.5	15.1	12.7	82	76	WSW	1	Calm	0	7	8	0.05	5.1	—	Cold.	
31	30.02	30.10	31.8	30.0	44.0	24.2	0.8	0.9	16.0	14.3	90	85	Calm	0	Calm	0	9	8	—	6.2	—	—	Cold.
M.	29.470	29.513	49.0	47.4	55.8	42.4	1.6	1.7	32.1	30.0	88	87	2.3	2.1	8.0	9.3	4.308	104	—	—	—	—	—

* Miles per hour.

+ Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—OCTOBER 1909.

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. 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.	gh.	13h.	18h.	21h.	Max. Hourly Run.	Time of Max.	gh.	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	17, 5	16, 4	8, 10	2, 3, 4	14, 6	12, 8	11, 7	16, 5	17, 12, 19	8	17, 5	15, 7	14, 3	13, 3	—	12. 35		
2	19, 15	21, 9	22, 17	14	19, 8	19, 18	19, 14	17, 6	19, 18	13	—	3, 25, 5	18, 5	19, 4	—	12. 40		
3	—	3, 1	13, 16, 2	14	15, 12	15, 12	—	2, 23, 6	17, 18	11	19, 7	16, 21	20, 12	21, 9	—	39. 55		
4	26, 11	25, 4	24, 12	14	22, 10	22, 9	21, 4	17, 4	23, 12	10	24, 12	24, 12	21, 5	21, 4	—	26. 10. 55		
5	13, 30	19, 29	23, 45	20	15, 18	18, 25	23, 12	23, 10	18, 25	13, 14	19, 12	18, 12	22, 12	25, 7	—	36. 14. 15		
6	21, 26	20, 17	21, 19, 27	4, 11	21, 12	19, 21	17, 12	18, 12	19, 21	13	24, 7	24, 10	21, 4	21, 9	—	17. 12. 50		
7	14, 25	14, 43	14, 43	18, 21	15, 15	15, 26	15, 31	15, 24	15, 32	16	18, 9	16, 18	17, 15	17, 19	—	49. 20. 20		
8	24, 31	24, 23	23, 25, 32	11, 15	18, 10	18, 13	20, 10	24, 7	25, 18	16	20, 10	25, 12	28, 15	28, 13	—	37. 0. 55		
9	16, 15	16, 16	15, 25	24	17, 15	19, 12	16, 13	16, 13	15, 19	24	26, 6	24, 5	22, 4	20, 7	—	19. 0. 5		
10	15, 15	15, 24	15, 25	1, 17	16, 10	16, 15	16, 19	17, 14	15, 24	1	18, 12	17, 18	18, 13	18, 14	—	37. 14. 55		
11	12, 21	14, 31	14, 34	17	12, 11	15, 23	17, 19	17, 13	15, 23	13	17, 15	16, 18	15, 17	18, 9	—	35. 14. 35		
12	13, 24	14, 26	14, 28	14, 16	16, 13	15, 19	12, 16	15, 12	15, 22	12	20, 7	16, 14	18, 10	18, 7	—	28. 14. 40		
13	1, 10	24, 19	18, 28	18	12, 23	20, 29	20, 11	19, 11	18, 35	12	17, 18	18, 19	26, 5	23, 4	—	52. 13. 5		
14	15, 30	15, 43	15, 43	23, 24	19, 13	19, 24	18, 29	18, 34	18, 35	23	22, 7	23, 11	20, 7	20, 12	—	30. 23. 10		
15	19, 25	19, 23	22, 33	2	20, 13	20, 15	19, 15	21, 15	19, 22	1	21, 17	21, 19	22, 20	22, 17	—	50. 17. 50		
16	25, 20	25, 4	23, 30	21	19, 10	19, 10	16, 8	17, 0	19, 15	10	22, 5	17, 4	20, 10	19, 7	—	21. 23. 55		
17	7, 17	5, 21	5, 23	4	—	2, 24, 4	23, 4	20, 7	20, 7	21	19, 12	18, 13	22, 7	21, 8	—	11. 55		
18	4, 8	4, 4	4, 16	4	20, 10	20, 18	19, 0	10, 17	10, 18	21	19, 8	19, 7	19, 4	—	3	8. 25		
19	18, 17	17, 10	15, 27	24	20, 10	20, 18	16, 15	17, 13	19, 18	21	20, 17	20, 17	20, 13	19, 12	—	37. 10. 5		
20	22, 24	20, 8	22, 35	10	19, 11	19, 18	16, 15	17, 13	20, 23	3	24, 9	24, 12	22, 12	26, 9	—	27. 19. 35		
21	22, 20	22, 17	21, 23	14	20, 16	19, 22	11, 23	12, 20	18, 20	13, 14	20, 7	21, 10	20, 14	21, 15	—	35. 21. 10		
22	16, 22	19, 19	*	*	18, 23	18, 26	20, 17	20, 23	17, 24	18	21, 9	21, 15	19, 20	19, 19	—	47. 18. 30		
23	23, 18	28, 4	22, 32	6, 8, 9	19, 10	16, 7	17, 24	18, 10	17, 24	4	26, 21	25, 21	24, 12	26, 14	—	44. 0. 10		
24	31, 29	28, 29	29, 30	20	24, 14	26, 13	24, 11	24, 11	28, 10	11	27, 12	28, 13	26, 7	25, 7	—	24. 10. 25		
25	1, 16	2, 18	32, 26	1, 3	24, 10	29, 9	28, 6	27, 7	26, 13	22	8, 13	10, 18	11, 27	10, 37	—	45. 23. 35		
26	1, 18	30, 21	30, 24	20	8, 7	5, 15	5, 22	4, 23	4, 23	16	8, 30	8, 33	6, 40	5, 39	—	50. 23. 10		
27	29, 19	31, 18	29, 30, 32	1, 11, 13, 14, 21	3, 13	3, 13	3, 15	3, 15	4, 21	17	4, 29	4, 27	4, 28	4, 29	—	48. 1. 5		
28	29, 17	29, 17	29, 23	13	31, 17	30, 13	29, 13	27, 11	32, 31, 30	17	32, 18	29, 15	27, 10	26, 10	—	57. 5. 55		
29	30, 17	27, 8	32, 21	7	26, 12	29, 12	29, 12	28, 12	28, 15	14, 15	32, 8	29, 7	29, 4	2, 14	—	21. 50		
30	25, 17	23, 7	25, 18	11, 14	23, 7	25, 5	—	2	26, 10	1, 2, 3	8, 24	7, 27	7, 24	8, 28	—	22. 35		
31	26, 6	19, 6	28, 15	1	24, 4	30, 10	30, 10	30, 8	30, 10	13, 16, 18, 19								

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.	gh.	13h.	18h.	21h.	Max. in a Gust.	Time of Gust.	gh.	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	—	4	—	13	—	5	—	2	—	0	—	1	—	3	20, 5	15, 8	—	13. 23. 0
2	—	4	—	15	—	0	—	11	—	2	—	26, 13	24, 6	16, 8	15, 11	—	18. 9. 0	
3	—	20	—	41	—	20	—	26	—	22	—	21, 22	22, 20	23, 20	23, 20	—	33. 7. 10	
4	—	7	—	23	—	19	—	25	—	3	—	20, 9	23, 10	25, 7	23, 7	—	23. 1. 15	
5	—	16	—	9	—	24	—	28	—	19	—	24, 30	26, 26	26, 29	27, 25	—	?	
6	—	11	—	5	—	3	—	11	—	7	—	24, 10	22, 8	20, 7	16, 7	—	?	
7	—	44	—	27	—	15	—	26	—	21	—	15, 34	16, 27	18, 18	18, 19	—	51. 12. 10	
8	—	20	—	3	—	21	—	18	—	23	—	26, 48	28, 28	26, 18	25, 5	—	57. 8. 55	
9	—	23	—	23	—	3	—	8	—	7	—	14, 20	14, 24	15, 24	16, 16	—	33. 13. 15	
10	—	13	—	14	—	18	—	19	—	15	—	15, 16	17, 17	17, 14	18, 4	—	27. 12. 25	
11	—	27	—	8	—	12	—	14	—	18	—	13, 22	22, 20	23, 16	20, 11	—	37. 10. 15	
12	—	29	—	31	—	18	—	14	—	18	—	18, 19	16, 23	20, 16	20, 17	—	40. 12. 0	
13	—	11	—	2	—	3	—	11	—	15	—	24, 21	23, 18	22, 15	22, 20	—	49. 3. 55	
14	—	8	—	15	—	22	—	27	—	10	—	24, 17	21, 16	21, 22	21, 24	—	37. 50	
15	—	22	—	22	—	5	—	14	—	15	—	21, 31	21, 29	22, 29	21, 22	—	40. 13. 45	
16	—	10	—	13	—	32	—	33	—	33	—	21, 13	*	*	*	—	27. 0. 15	
17	—	17	—	10	—	24	—	25	—	32	—	*	*	*	*	—	*	
18	—	5	—	1	—	12	—	5	—	0	—	*	19, 5	29, 4	29, 4	—	*	
19	—	11	—	19	—	0	—	7	—	17	—	20, 8	19, 10	18, 19	18, 21	—	39. 22. 30	
20	—	19	—	18	—	34	—	29	—	23	—	21, 20	18, 14	22, 19	24, 22	—	38. 1. 55	
21	—	18	—	10	—	5	—	17	—	10	—	23, 21	24, 27	24, 20	24, 13	—	40. 10. 45	
22	—	22	—	25	—	5	—	22	—	24	—	18, 21	19, 26	21, 20	21, 14	—	40. 12. 55	
23	—	34	—	30	—	8	—	28	—	*	—	16, 27	16, 35	21, 45	26, 61	—	90. 19. 35	
24	—	23	—	17	—	26	—	15	—	10	—	26, 35	26, 38	26, 38	26, 33	—	59. 3. 10	
25	—	10	—	2	—	20	—	15	—	2	—	28, 10	28, 9	17, 8	13, 15	—	47. 2. 30	
26	—	22	—	12	—	14	—	10	—	8	—	15, 14	12, 28	8, 24	7, 27	—	47. 1. 15	
27	—	18	—	18	—	19	—	18	—	23	—	5, 23	4, 24	4, 28	4, 32	—	46. 19. 35	
28	—	22	—	12	—	2	—	10	—	14	—	2, 27	2, 24	2, 20	2, 19	—	45. 4. 30	
29	—	14	—	5	—	25	—	25	—	32	—	4, 13	3, 13	1, 14	3, 13	—	28. 15. 30	
30	—	13	—	7	—	34	—	21	—	6	—	3, 6	32, 6	31, 5	—	1	29. 5. 5	
31	—	14	—	15	—	10	—	8	—	9	—	5, 12	32, 10	3, 18	2, 20	—	34. 20. 5	

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

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RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—OCTOBER 1909.

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	—	3	—	1	2	5	9	12	6	—	12	2. 45	18	6	18	10	19	8	21	20. 10
2	19	7	—	2	20	7	12	19	15	—	19	19. 35	18	15	18	14	17	13	28	22. 35
3	12	5	22	10	15	14	8	23	15	—	34	15. 50	12	12	23	18	20	13	28	4. 10
4	22	8	23	5	22	9	1, 11	23	15	—	22	0. 35	22	11	20	14	18	10	26	10. 40
5	20	15	23	12	16	21	9	15	20	—	50	13. 5	18	24	24	27	24	29	57	11. 50
6	21	13	—	2	21	14	12	23	24	—	40	5. 55	22	15	19	18	19	16	33	2. 50
7	15	21	16	26	15	29	16	13	18	—	47	14. 15	14	29	14	37	17	24	64	12. 40
8	27	15	28	19	28	20	16, 17	23	19	—	44	15. 35	27	25	27	29	26	18	39	12. 45
9	18	12	16	18	23	18	23	13	10	—	30	22. 25	16	17	16	21	15	14	42	20. 50
10	16	12	15	18	15	20	17	15	16	—	30	15. 35	16	17	15	21	18	15	34	0. 15
11	*	*	*	*	*	*	*	16	13	—	39	12. 45	14	23	18	23	19	21	46	11. 5
12	16	22	22	4	*	*	*	14	18	—	38	11. 40	16	24	16	20	17	17	48	22. 10
13	20	10	21	5	20	29	10	18	30	—	52	9. 35	23	20	21	21	17	20	37	0. 45
14	20	14	19	17	18	23	20, 21	22	22	—	46	22. 40	21	18	19	23	18	32	60	21. 15
15	19	5	22	9	20	22	2, 3	21	25	—	46	2. 45	23	21	21	17	22	19	44	0. 15
16	20	7	—	2	20	9	10, 11	20	16	—	33	0. 15	19	15	18	18	20	15	30	14. 5
17	20	6	—	3	16	8	22	17	8	—	22	11. 10	18	7	17	11	17	12	28	14. 20
18	18	9	—	2	16	18	10	15	12	—	19	19. 15	18	12	18	12	24	7	23	12. 25
19	19	10	18	8	17	15	2	15	12	—	27	21. 20	19	14	18	21	17	24	47	21. 45
20	21	10	20	4	18	16	3, 20	17	11	—	34	21. 35	21	12	18	21	18	19	43	0. 25
21	21	17	24	10	22	19	15	19	16	—	59	15. 40	21	23	23	28	24	32	60	12. 45
22	20	15	21	16	18, 21, 22	16	11, 18, 24	15	14	—	41	23. 45	18	20	18	30	20	20	49	12. 45
23	16	21	17	12	17	23	16	12	8	—	40	1. 45	10	13	18	31	20	18	47	20. 55
24	27	15	26	9	26	23	9	26	44	—	60	9. 45	26	37	26	33	27	34	56	4. 40
25	23	7	—	2	28	12	2	31	31	—	52	2. 20	25	24	26	19	—	3	48	1. 0
26	6	10	5	9	4	13	23, 24	7	18	—	41	17. 50	7	29	7	40	7	35	59	15. 40
27	7	9	3	10	6	12	11, 12	4	22	—	43	12. 50	6	32	5	31	5	30	57	2. 10
28	1	11	1	11	13	—	—	32	23	—	29	11. 35	3	26	2	26	3	22	41	0. 25
29	30	6	—	2	32	9	10	3	6	—	24	0. 5	32	17	28	6	32	18	37	13. 15
30	26	7	—	2	26	7	13	—	2	—	14	16. 55	29	12	26	7	22	8	34	3. 30
31	5	7	3	4	5	4	7	3	7	—	19	13. 50	9	11	6	15	5	15	23	14. 10

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. 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.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	hr. min.	
1	5	4	7	6	16	—	2	—	2	—	11, 8	7	—	10	—	5	—	14	12. 55	
2	20	14	22	7	11	—	1	—	1	—	—	—	—	11	—	17	—	25	22. 50	
3	18	7	—	3	11	*	12	7	—	3	*	*	—	8	—	9	—	24	10. 20	
4	27	4	—	2	25	—	1	21	7	—	23	21	5	—	12	—	13	—	37	23. 30
5	24	21	26	15	24	22	14	19	21	—	23	33	11	—	20	—	11	—	47	0. 30
6	21	14	19	12	22	16	2, 11, 16	20	15	—	17	18	22	—	4	—	20	—	37	23. 30
7	14	14	16	15	19	23	20	15	34	—	15	34	9	—	52	—	35	—	68	8. 55
8	26	14	25	9	20	28	15	16	21	—	15	28	17	—	27	—	24	—	61	5. 5
9	19	12	16	10	18	15	12	15	26	—	26	26	11, 13, 14	—	26	—	33	—	51	13. 50
10	14	12	20	7	14	12	12	13	15	—	27	17	10	—	26	—	9	—	*	*
11	15	11	21	9	17	18	14	14	10	—	15	34	10	—	*	—	21	—	*	*
12	18	13	16	7	18	13	11, 13	15	14	—	16	18	19, 22	—	27	—	25	—	47	14. 50
13	21	10	20	6	20	13	23	21	19	—	21	20	8, 13	—	13	—	10	—	34	11. 5
14	20	18	19	28	20	29	19	20	23	—	18	37	19	—	12	—	29	—	52	18. 25
15	21	18	22	15	22	19	15, 21	21	25	—	21	25	8, 9, 11	—	*	—	15	—	*	*
16	21	15	18	4	24	21	1	16	9	—	18	18	15	—	14	—	13	—	23	10. 5
17	—	3	—	2	22	4	16	13	7	—	12	14	11	—	20	—	22	—	33	10. 35
18	6	6	8	5	7	7	10	32	4	—	27	12	11	—	19	—	16	—	45	16. 20
19	20	12	17	10	18	15	20, 23	15	6	—	16	35	17	—	15	—	23	—	38	11. 50
20	22	9	25	7	21	10	3	18	12	—	20	23	10	—	12	—	18	—	37	12. 10
21	27	10	24	9	22	19	12	17	25	—	20	22	3, 9, 10, 11, 14	—	20	—	20	—	41	8. 20
22	22	18	22	15	20	21	12	17	31	—	21	26	10	—	31	—	21	—	66	16. 15
23	20	4	8	12	21	19	1, 3	24	32	—	24	33	12	—	23	—	26	—	50	9. 50
24	27	11	26	7	27	15	14	24	32	—	24	40	4	—	4	—	7	—	45	23. 20
25	—	3	—	2	24	9	1	23	23	—	18	4	23	—	20	—	26	—	55	3. 10
26	7	15	7	11	7	15	14	8	36	—	7	46	14	—	21	—	25	—	43	1. 20
27	3	9	5	4	4	10	12	4	32	—	4	33	3	—	22	—	20	—	34	6. 55
28	32	7	32	5	31	9	12	4	26	—	2	30	1, 2	—	17	—	16	—	29	14. 50
29	32	7	—	2	32	8	12	24	18	—	24	18	10	—	—	6	—	8	27	19. 45
30	—	2	—	2	32	4	2, 3	25	6	—	21	11	1	—	12	—	13	—	24	10. 20
31	—	2	32	4	32	4	18	24	11	—	30	8	4	—	12	—	13	—	11	12

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), 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.

† 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

DEERNESSE, ORKNEY, a.b.—NOVEMBER 1909.

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.

Long. 2 48' W. Lat. 38 55' N.																							
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.	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	Fine a. ● 3p.-5p.	
2	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	NE	6	ESE	9	10	5	15	0.3	—	Dense mist till 11a.	
3	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	≡ till 6p.	
4	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	Fine day.	
5	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers.	
6	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	Very fine p. Stars scintillating	
7	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers noon-5p.	
8	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all day.	
9	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all day.	
10	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● all p.	
11	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● till 3p. ● 7p.-9p.	
12	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a. ✱ from 3p.	
13	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
14	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
15	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● till 3p. ● 7p.-9p.	
16	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
17	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
18	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
19	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
20	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
21	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
22	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
23	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
24	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
25	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
26	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
27	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
28	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
29	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers all p.	
30	29.85	29.56	41.8	45.0	45.2	36.8	3.0	2.5	205	243	79	82	S	19	SSW	19	9	10	ins.	hrs.	—	● showers a.	
M.	29.662	29.623	41.3	41.3	44.5	37.2	1.8	1.7	227	229	86	87	14	15	7.3	6.7	5.39	42	—	—	—	—	—

TILLYPRONIE, ABERDEENSHIRE.—NOVEMBER 1909.

Height above Mean Sea Level, 1116 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $2^{\circ} 56'$ W. Lat. $57^{\circ} 10'$ 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 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.	Min.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	SW	†	†	5	7	9	ins.	hrs.	°			
2	28°93	28°63	34°8	42°0	45°5	31°5	1°8	3°0	°166	°207	82	78	W	1	SE	5	7	24	—	28	∞°		
3	58	75	45°8	44°0	53°8	40°0	0°8	0°5	°289	°277	94	96	W	1	W	1	9	05	—	38	∞		
4	78	84	50°8	46°0	56°0	42°2	0°8	2°4	°351	°257	94	83	W	1	W	1	9	—	—	40	Dull.		
5	85	83	46°0	46°9	54°9	43°0	1°5	1°9	°276	°276	90	87	NW	1	SW	1	8	—	—	38	Dull.		
6	60	65	47°2	39°8	52°5	39°0	1°2	1°8	°295	°209	92	86	S	2	S	2	9	—	—	34	Dull, with ∞.		
7	67	68	43°8	37°5	48°0	34°8	3°3	1°5	°217	°195	75	87	SW	1	SW	2	3	0	—	31	Sunshine.		
8	96	97	37°8	35°0	43°0	29°0	1°8	1°1	°192	°182	85	89	NW	3	NW	1	4	—	—	25	Sunshine.		
9	97	98	36°5	47°0	47°0	31°5	4°5	1°9	°138	°277	63	87	NW	1	NW	2	4	7	°05	—	33	Fresh.	
10	50	52	50°9	39°8	54°6	37°0	2°2	2°8	°304	°191	85	78	SW	5	SW	8	7	3	°01	—	28	Sunshine.	
11	59	85	38°8	34°8	46°0	34°5	1°2	2°0	°204	°162	89	81	NW	4	NW	4	8	6	—	—	29	Dull, with ∞.	
12	82	28°45	36°0	47°8	48°0	33°0	1°2	1°8	°189	°288	89	87	NW	2	NW	6	8	5	°24	—	33	Dull. •	
13	26	27°73	47°0	39°2	58°2	36°0	1°2	2°2	°293	°197	92	82	NW	4	NW	10	9	1	°37	—	25	*	
14	41	28°43	31°0	29°5	39°5	29°0	0°8	1°3	°153	°128	87	79	N	3	N	1	10	0	°19	—	17		
15	43	49	28°0	24°0	33°5	20°0	1°0	1°0	°122	°094	80	73	N	3	N	3	9	0	—	—	18	Sunshine.	
16	53	50	26°2	25°0	34°0	22°5	0°7	0°9	°120	°103	84	77	N	3	N	2	2	0	—	—	13	Sunshine.	
17	90	28°96	24°0	25°2	39°5	18°8	0°8	1°2	°100	°096	78	71	N	1	N	1	0	0	—	—	13	Sunshine.	
18	28°99	29°04	25°0	29°2	38°5	18°5	0°7	1°2	°110	°127	82	79	N	1	NW	3	5	0	—	—	20	Sunshine.	
19	29°03	29°03	29°8	33°2	44°2	25°0	0°8	1°7	°144	°155	86	81	NW	3	NW	3	7	9	°09	—	27		
20	28°95	28°96	37°5	38°8	39°0	32°0	2°5	1°8	°177	°201	79	85	NW	3	NW	3	9	8	°30	—	30	•	
21	92	85	37°2	36°0	40°0	34°0	1°2	1°5	°198	°184	89	87	NE	3	NE	4	5	8	°16	—	28	*°	
22	76	82	33°8	32°5	37°0	31°0	0°8	1°	°178	°152	91	82	NE	4	NE	3	8	—	—	26	Sunshine.		
23	28°91	28°94	33°8	31°5	34°8	29°8	2°8	1°5	°140	°142	72	80	N	1	N	3	5	5	°01	—	27	Sunshine.	
24	29°05	29°04	33°8	35°0	39°5	30°0	0°8	1°2	°178	°180	91	88	NW	4	NW	6	4	5	°03	—	31	Dull.	
25	02	29°05	38°0	37°0	39°2	34°8	2°4	0°0	°190	°200	83	91	N	5	W	1	8	—	—	29			
26	28°82	28°82	38°2	35°0	42°5	32°3	0°1	0°5	°222	°194	97	95	NW	2	W	2	6	5	—	—	29		
27	29°04	28°82	38°2	35°0	41°5	34°0	2°5	2°3	°206	°210	81	82	W	4	SW	6	4	8	°02	—	28	Sunshine.	
28	69	56	41°0	41°0	45°9	34°0	2°5	2°0	°190	°160	83	87	S	8	S	2	8	3	—	—	28	Dull.	
29	41	28°38	38°0	32°2	47°0	32°0	2°0	1°2	°165	°242	87	83	S	1	SW	8	8	°09	—	25	Dull.		
30	28°22	27°89	33°2	44°2	47°2	27°0	1°2	2°2	°195	°189	83	89	SE	2	SE	8	2	6	—	—	29	Sunshine.	
31	27°79	27°65	39°0	36°0	49°0	32°0	2°2	1°2	°189	°186	79	85	SW	4	SE	3	8	4	—	—	29		
32	27°52	27°37	37°8	37°0	41°0	34°0	2°6	1°8	°179														
M.	28°669	28°640	37.3	36.7	44.6	31.6	1.6	1.6	°196	°189	85	84	2.6	3.5	6.2	4.3	1.64	—	27.6				

LAUDALE, ARGYLESHIRE, a.—NOVEMBER 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $5^{\circ} 41' W.$ Lat. $56^{\circ} 41' N.$ Gravity Correction, $+0.31$ in.

[illegible]

† Beaufort Scale (0-12).

DUNDEE, FORFARSHIRE, c.d.—NOVEMBER 1909.

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, +.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.	
	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.							
	ins.	ins.							in.	in.	%	%	†	†					
1	30°06	29°30	28°9	41°2	41°6	25°0	0°4	1°4	148	229	93	89	NW	1	5	10	0	—	Dull and cloudy.
2	29°70	28°40	44°8	48°0	52°7	41°0	0°4	0°2	287	330	97	99	SW	3	10	10	0	—	Dull, with ∞.
3	28°4	29°3	46°8	45°2	54°0	42°9	0°4	0°4	311	292	97	97	SW	1	10	10	0	—	Dull, then fine.
4	29°2	28°9	46°2	44°2	52°0	41°0	1°0	0°4	290	281	93	97	SW	1	10	10	0	—	Dull and cloudy.
5	27°5	27°4	47°2	43°9	52°7	43°3	0°8	1°1	305	263	95	91	SW	1	10	0	—	—	Dull.
6	29°79	29°91	41°2	38°5	50°0	37°6	0°7	1°3	244	207	95	89	SW	1	5	5	—	—	Cloud and sunshine.
7	30°05	30°15	38°0	32°5	45°2	30°6	2°0	1°4	190	151	83	82	NW	1	10	10	0	—	Dull, then fine.
8	30°11	29°94	31°5	45°0	45°0	25°2	1°0	1°0	154	275	86	92	W	1	5	10	0	—	Dull.
9	29°60	29°49	49°8	39°8	52°5	39°0	1°2	2°0	328	206	91	84	SW	5	5	10	0	—	Dull, then fine.
10	29°67	29°00	40°5	40°2	46°0	38°2	2°5	3°7	202	179	80	72	SW	1	5	10	0	—	Fine.
11	29°33	29°53	39°2	49°5	49°7	36°3	2°2	3°0	197	281	82	80	SW	1	5	10	0	—	Dull and cloudy.
12	28°37	28°89	49°7	42°8	54°2	42°4	2°0	4°9	307	182	87	65	SW	3	5	10	0	—	Dull till noon. from 3p.
13	29°42	29°52	35°2	30°2	44°0	29°5	2°6	1°2	156	137	76	81	SW	1	5	0	—	—	Fine.
14	29°51	29°55	32°0	27°4	36°6	26°2	0°0	1°2	182	113	100	77	NW	1	5	0	—	—	≡ Fine.
15	29°70	29°89	28°2	27°0	36°2	24°0	1°0	0°8	124	120	81	83	NW	1	5	0	—	—	≡ Fine.
16	30°00	30°06	26°7	21°8	31°8	18°5	0°2	0°3	118	107	91	81	SW	1	5	0	—	—	≡
17	29°11	29°14	24°0	21°8	31°8	16°0	0°3	0°3	102	135	88	100	SW	1	5	5	—	—	≡
18	29°12	29°13	21°6	25°0	31°9	17°5	0°4	0°0	102	135	88	100	SW	1	5	10	0	—	Dull.
19	29°09	30°04	30°0	40°8	41°7	23°0	0°5	2°3	153	209	92	82	SW	1	5	10	0	—	Dull.
20	30°02	29°95	42°8	38°0	45°0	35°8	2°0	2°5	233	182	85	79	NE	1	5	10	0	—	Dull and cloudy.
21	29°80	29°91	38°5	33°7	43°2	32°6	1°0	1°2	213	169	92	87	NE	1	5	10	0	—	Dull and cloudy.
22	29°99	30°11	34°2	31°0	41°2	30°2	2°0	0°8	158	153	80	87	NE	3	5	10	0	—	≡
23	30°17	29°18	32°2	35°7	40°6	27°5	1°0	1°2	160	188	87	89	SW	1	5	10	0	—	Cloud and sunshine.
24	29°13	29°17	38°5	37°2	46°2	31°5	1°8	0°4	198	214	86	96	W	1	3	5	10	0	Dull.
25	30°14	30°01	32°0	31°0	40°2	30°0	0°2	0°2	177	168	97	96	SW	1	10	5	—	—	Dull and cloudy.
26	29°80	29°66	38°0	41°2	43°0	29°4	0°2	0°7	224	244	98	95	SW	1	10	10	0	—	Cloud and sunshine.
27	29°53	29°40	39°6	36°2	43°0	35°0	0°2	1°0	225	202	93	94	SW	1	10	10	0	—	Dull. 3.30p.-4.30p.
28	29°31	28°97	33°8	47°5	48°2	30°7	0°9	1°7	190	304	98	93	NE	1	5	5	0	—	Dull. ≡
29	28°92	28°67	38°5	39°5	49°0	37°8	0°8	1°6	230	208	94	87	SW	5	10	10	0	—	Cloud and sunshine.
30	28°66	28°85	40°0	39°2	42°8	36°8													Dull and cloudy.
M.	29°773	29°739	37°0	37°2	44°4	31°8	1°0	1°3	205	202	90	87	1°5	1°9	7°2	5°3	0°31	—	

GLASGOW, LANARKSHIRE, a.—NOVEMBER 1909.

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, $+0.029$ in.

Long. 4 10 W. Lat. 39 10 N.																							
1	30°04'	29°79'	28°2'	41°5'	43°4'	25°1'	0°1'	2°5'	1°52'	2°11'	98	81	—	2	SW	6	10	10	—	0°3'	24	≡ <i>a</i> . — and mist til noon.	
2	29°69'	77	50°2'	51°9'	53°7'	40°7'	0°6'	0°5'	3°48'	3°73'	96	97	WSW	7	W	9	10	10	°022	39	Dull and overcast.		
3	°56	92	52°4'	51°2'	50°4'	50°3'	1°0'	1°5'	3°66'	3°38'	93	90	W	4	WNW	4	9	10	—	1°6'	46	Dull.	
4	°92	°58	46°6'	50°1'	51°9'	45°2'	3°1'	1°5'	3°11'	3°23'	88	89	—	2	—	3	10	10	—	—	35	Dull and overcast.	
5	°71	°73	52°2'	45°8'	53°1'	45°0'	1°8'	3°0'	3°42'	2°43'	88	80	SW	11	WSW	7	10	0	°008	0°8'	38	Dull. ● ⁹ shower noon.	
6	29°80'	29°90'	44°5'	38°2'	48°3'	38°2'	1°9'	1°3'	2°51'	2°04'	86	89	WSW	7	W	4	2	0	°015	3°4'	30	● shower 11a, and 1p.	
7	30°04'	30°14'	34°7'	36°5'	43°1'	34°2'	1°4'	0°9'	1°53'	2°02'	83	94	—	1	SW	8	10	10	°032	—	18	Dull and overcast.	
8	30°12'	29°96'	32°4'	46°2'	46°3'	28°5'	2°8'	2°1'	3°33'	2°23'	88	85	WSW	19	NW	13	10	2	°166	—	36	Frequent ● showers.	
9	29°66'	°56	51°4'	41°8'	52°0'	40°0'	2°8'	2°6'	2°03'	1°85'	79	79	W	10	NW	4	2	0	°110	—	29	Overcast, with ●.	
10	°71	°93	41°4'	38°6'	48°8'	38°6'	2°2'	1°8'	2°27'	3°32'	84	88	W	7	W	10	10	10	°062	—	38	Squally, with ● showers.	
11	°92	°65	42°6'	51°3'	51°5'	37°8'	2°2'	4°2'	2°91'	1°93'	81	70	NNE	4	—	1	1	3	—	6°2'	21	Fine and clear.	
12	°43	°08	50°2'	42°8'	51°7'	42°8'	4°2'	1°3'	1°48'	1°51'	67	83	—	1	—	2	5	5	—	3°4'	18	Misty <i>a</i> . Fine from noon.	
13	°44	°51	37°2'	32°0'	43°4'	32°0'	4°2'	1°8'	1°29'	1°09'	85	63	—	1	—	2	10	10	—	—	13	Misty.	
14	°50	°55	28°1'	30°8'	36°4'	28°1'	0°1'	0°1'	1°125'	1°33'	97	98	—	1	—	3	10	10	—	—	11		
15	°70	29°57	23°9'	25°3'	31°9'	23°1'	0°1'	0°1'	1°119'	1°23'	100	100	—	1	—	1	10	10	—	—	15		
16	29°98	30°02	22°2'	23°0'	26°4'	20°5'	0°0'	0°0'	1°123'	1°31'	100	100	—	1	—	2	10	10	—	—	11		
17	30°10	°10	21°2'	24°3'	25°1'	20°3'	0°0'	0°0'	1°114'	1°31'	100	97	—	1	—	2	10	10	—	—	17		
18	°10	°09	21°4'	29°9'	30°1'	19°9'	0°0'	0°2'	1°115'	1°61'	100	97	—	2	NW	4	10	10	°024	—	17	Misty afternoon. — <i>p</i> .	
19	30°08	30°06	29°2'	39°2'	39°8'	22°5'	0°2'	2°0'	1°56'	2°01'	97	84	W	5	—	1	9	10	—	1°2'	25	Cloudy. Mist after 8p.	
20	29°97	29°96	44°5'	35°4'	47°1'	35°4'	1°8'	1°0'	2°53'	1°88'	87	91	W	2	N	8	10	5	—	3°5'	25	∞ <i>a</i> , then fine.	
21	°79	29°90	38°2'	35°8'	42°9'	31°4'	0°5'	4°2'	2°01'	1°37'	88	64	—	3	—	2	6	1	—	2°8'	19	∞ <i>a</i> , and <i>n</i> .	
22	29°99	30°10	32°3'	33°1'	40°1'	31°4'	0°3'	3°1'	1°77'	1°28'	97	68	—	2	W	7	8	7	—	1°9'	15	Misty <i>a</i> . ☉ 9.15p.	
23	30°19	°17	27°4'	35°9'	38°9'	25°9'	0°8'	1°9'	1°25'	1°76'	84	83	—	6	W	4	7	9	—	1°3'	29	☉ 9.15p.	
24	°14	30°13	39°2'	39°6'	44°7'	35°6'	0°7'	0°5'	1°86'	2°28'	93	96	—	2	W	4	8	6	—	0°9'	22	Cloudy, with ∞.	
25	30°13	29°97	34°5'	39°0'	42°8'	33°5'	1°5'	2°4'	2°19'	2°41'	88	82	SW	7	S	8	10	8	°160	0°8'	28	Dull. ☉ 10.15p.	
26	29°76	°57	42°5'	44°6'	46°1'	38°2'	1°5'	2°4'	2°12'	1°96'	87	87	—	3	SW	7	6	8	°160	2°1'	32	● <i>a</i> , and evening.	
27	°46	29°37	39°9'	37°6'	45°1'	36°3'	1°7'	1°5'	2°33'	3°16'	99	90	—	3	SW	21	100	100	°430	—	31	Overcast, with ●.	
28	29°22	28°93	38°9'	49°3'	49°8'	36°9'	0°2'	1°4'	2°28'	2°28'	87	91	SW	10	SW	15	7	100	°060	1°2'	35	●▲ showers. < 4p.	
29	28°87	°67	41°9'	40°5'	49°7'	39°6'	1°8'	1°1'	2°33'	3°9'	96	77	SW	16	NW	7	100	6	°200	0°4'	34	Dull, with ●.	
30	28°68	28°59	39°6'	42°1'	43°8'	39°1'	0°6'	3°1'	2°31'	2°06'	95	77	—										
M.	29°766	29°739	37°6	39°1	44°1	34°0	1°2	1°7	°212	°213	90	86		5		7	8°2	7°0	2°449	42	26°5		

† Beaufort Scale (0-12).

* Miles per hour.

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—NOVEMBER 1909.

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.			
	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.	9 a.m.	9 p.m.											
1	ins.	ins.	35.8	39.8	45.8	32.0	1.0	1.6	in.	in.	%	%	NNW	2	SW	3	9	4	ins.	hrs.	°	Dull.	
2	29.91	29.72	35.8	39.8	45.8	32.0	1.0	1.6	193	213	92	88	W	4	W	2	10	10	04	1.2	25	Dull, with ● showers.	
3	29.69	29.52	35.8	39.8	45.8	32.0	1.0	1.6	193	213	97	93	SW by W	1	NW	3	9	2	01	0.2	34		
4	29.77	29.61	35.8	39.8	45.8	32.0	1.0	1.6	193	213	92	93	NW	2	SW by W	3	9	2	01	2.1	46	Fine, then dull.	
5	29.67	29.50	35.8	39.8	45.8	32.0	1.0	1.6	193	213	85	79	SW	3	SW by W	2	9	10	02	1.2	44	Dull. <	
6	29.66	29.49	35.8	39.8	45.8	32.0	1.0	1.6	193	213	89	97	NW	2	NW	4	8	2	01	1.7	43	Fine and clear.	
7	29.82	29.65	35.8	39.8	45.8	32.0	1.0	1.6	193	213	87	90	NW	4	NNW	4	4	2	01	6.2	30	Fine and clear.	
8	30.04	29.87	35.8	39.8	45.8	32.0	1.0	1.6	193	213	81	84	N	5	SW by W	8	1	3	01	6.5	26	Dull and threatening.	
9	29.59	29.42	35.8	39.8	45.8	32.0	1.0	1.6	193	213	93	89	W	7	W	8	9	2	01	5.3	34	Fine.	
10	29.49	29.32	35.8	39.8	45.8	32.0	1.0	1.6	193	213	83	75	NW	4	NW	4	4	2	01	0.4	30	Fine a.	
11	29.44	29.27	35.8	39.8	45.8	32.0	1.0	1.6	193	213	84	83	NW	4	NNW by W	8	4	6	02	0.7	38	Dull.	
12	29.33	29.16	35.8	39.8	45.8	32.0	1.0	1.6	193	213	89	78	NW	6	NW	10	6	2	02	7.7	30	Fine day.	
13	29.30	29.13	35.8	39.8	45.8	32.0	1.0	1.6	193	213	82	81	NW	4	NW	1	1	1	02	4.8	22	● showers. Fine.	
14	29.28	29.11	35.8	39.8	45.8	32.0	1.0	1.6	193	213	76	74	NW	2	NW	3	3	1	02	8.0	23	*. Fine day.	
15	29.27	29.10	35.8	39.8	45.8	32.0	1.0	1.6	193	213	80	86	NW	3	NW	2	1	6	03	8.0	23	Fine day. * showers.	
16	29.26	29.09	35.8	39.8	45.8	32.0	1.0	1.6	193	213	89	89	N	2	NW	3	2	4	03	8.0	23	*	
17	29.25	29.08	35.8	39.8	45.8	32.0	1.0	1.6	193	213	84	84	N	2	N	2	5	4	01	3.3	25	Fine, but cloudy.	
18	29.24	29.07	35.8	39.8	45.8	32.0	1.0	1.6	193	213	88	84	NW	2	NNW	2	9	2	01	3.4	25	Fine.	
19	29.23	29.06	35.8	39.8	45.8	32.0	1.0	1.6	193	213	83	74	N	1	W	3	9	2	01	5.0	25	Cloudy.	
20	29.22	29.05	35.8	39.8	45.8	32.0	1.0	1.6	193	213	85	85	NW	3	W	4	10	7	21	1.4	32	● showers.	
21	29.21	29.04	35.8	39.8	45.8	32.0	1.0	1.6	193	213	92	82	NW	4	NW	4	9	4	18	3.1	29	* showers.	
22	29.20	29.03	35.8	39.8	45.8	32.0	1.0	1.6	193	213	88	92	NW	4	NW	5	2	4	02	5.0	27	Fine day.	
23	29.19	29.02	35.8	39.8	45.8	32.0	1.0	1.6	193	213	88	84	NW	5	NW	3	3	2	02	5.7	26	Fine day.	
24	29.18	29.01	35.8	39.8	45.8	32.0	1.0	1.6	193	213	87	85	NW	2	NNW by W	3	6	1	01	2.0	31	Cloudy.	
25	29.17	28.99	35.8	39.8	45.8	32.0	1.0	1.6	193	213	95	95	W	4	S	1	4	4	01	2.0	31	Cloudy.	
26	29.16	28.98	35.8	39.8	45.8	32.0	1.0	1.6	193	213	96	97	S	3	SW	5	8	4	07	1.5	31	Dull, with ●.	
27	29.15	28.97	35.8	39.8	45.8	32.0	1.0	1.6	193	213	98	92	S	1	S	3	10	10	03	1.0	27	Fine, but cloudy.	
28	29.14	28.96	35.8	39.8	45.8	32.0	1.0	1.6	193	213	85	85	SW	4	S	3	8	1	01	3.9	37	Cloudy.	
29	29.13	28.95	35.8	39.8	45.8	32.0	1.0	1.6	193	213	84	87	SW	6	SW	5	8	4	02	0.6	30		
M.	29.608	29.571	39.3	38.6	45.4	34.0	1.5	2.16	208	87	86	3.3	3.8	6.1	4.1	0.74	91	30.5					

DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1909.

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	29.95	29.80	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	SW	†	6	8	0.66	3.6	26	Cloudy and cold.	
2	29.88	29.73	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	W	†	10	10	—	—	32	• till 10a. • 1p.—5.30p.	
3	29.86	29.71	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	WNW	†	8	10	—	—	33	Gloomy till 1.30p.	
4	29.84	29.69	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	SSE	†	9	10	—	—	30	Mild and gloomy.	
5	29.82	29.67	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	3	Calm	†	10	10	—	—	46	Dull, with drizzling •.	
6	29.80	29.65	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	WNW	†	7	10	—	—	47	Fine day. • 10p.	
7	29.78	29.63	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	NW	†	2	9	—	—	32	• a. and p. Fine day.	
8	29.76	29.61	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	WSW	†	2	9	—	—	36	• Gloomy after 3p.	
9	29.74	29.59	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	3-4	W	†	4-5	7	—	—	36	Dull. • showers 11a.—4p.	
10	29.72	29.57	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	4-5	NW	†	2	10	—	—	47	Squally, with • showers.	
11	29.70	29.55	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	W	†	6-7	9	—	—	37	Dull, with •.	
12	29.68	29.53	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	6-7	W	†	8-9	7	—	—	37	Dull. • p.	
13	29.66	29.51	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	NNW	†	3	3	—	—	36	• early a. Fine day.	
14	29.64	29.49	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	NE	†	2	9	—	—	35	Fine after 11a.	
15	29.62	29.47	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	NNE	†	1	0	—	—	26	Fine, but cold.	
16	29.60	29.45	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	NNE	†	1	0	—	—	23	Fine, but cold.	
17	29.58	29.43	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	NE	†	1	4	—	—	26	Fine day.	
18	29.56	29.41	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	N	†	1	—	—	—	33	Dull day.	
19	29.54	29.39	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2-3	N	†	1	2	—	—	27	Fine. Cloudy 1p.—5p.	
20	29.52	29.37	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	ENE	†	3	0	—	—	31	Fine till 1p. • (sleet) 2p.	
21	29.50	29.35	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	2	N	†	1	1	—	—	28	Fine, but cold.	
22	29.48	29.33	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	NNW	†	1	2	—	—	36	Gloomy 10a.—2p.	
23	29.46	29.31	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	3	WNW	†	2	9	—	—	37	— 10a. Gloomy after 3p.	
24	29.44	29.29	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	NNW	†	1	9	—	—	38	Gloomy. • showers 6p.	
25	29.42	29.27	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	1	SSW	†	5-6	9	—	—	39	Δ showers 5p.	
26	29.40	29.25	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	4-5	WSW	†	3	10	—	—	34	Dull, with •.	
27	29.38	29.23	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	3-4	SSW	†	4-5	10	—	—	34	• showers 2.30p.	
28	29.36	29.21	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	3-4	SW	†	4-5	9	—	—	38	Dull, with • showers.	
29	29.34	29.19	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†	5-6	W	†	6-7	7	—	—			
30	29.32	29.17	42.2	45.2	48.1	32.0	2.7	2.2	214	251	81	84	N	†										
M.	29.711	29.689	43.5	42.1	47.7	37.3	1.8	1.9	248	233	86	85	2.4	2.4	5.9	4.6	1.253	107	33.6					

† Beaufort Scale (0—12.)

STONYHURST, LANCASHIRE, a.—NOVEMBER 1909.

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.	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	29.87	29.77	43.0	41.2	49.1	37.5	2.8	1.0	in.	in.	%	%	—	*	2	W	4	10	6	ins.	0.8	33	Dull and misty.		
2	29.62	29.63	44.5	51.7	52.0	40.0	4.9	0.2	194	379	66	99	SW	5	WNW	9	10	10	10	0.76	—	36	● and mist all day.		
3	29.69	29.75	52.0	51.0	54.2	50.3	0.3	0.0	380	374	98	100	—	—	2	—	1	10	10	—	—	48	Mild and misty.		
4	29.78	29.77	49.8	50.0	51.9	48.6	0.0	0.6	358	345	100	96	SW	4	S	5	10	10	100	—	—	48	Cloudy and misty.		
5	29.70	29.64	50.0	50.3	51.1	49.0	1.4	1.5	324	326	90	90	—	—	1	—	1	10	0	—	—	33	Mist all day.		
6	29.66	29.72	47.0	49.4	50.5	40.3	0.8	0.4	303	242	94	97	—	—	3	—	3	0	0	—	5.5	25	● 3a.-5a. Misty.		
7	29.80	29.82	35.5	38.5	40.1	29.9	0.5	2.0	198	179	95	83	—	—	3	—	3	0	0	—	11.8	0.8	21	● a. Fine and sunny.	
8	30.00	29.93	32.0	38.2	43.0	28.8	1.6	1.4	145	202	79	88	—	—	7	W	12	10	3	—	160	—	33	●. Fine and sunny.	
9	29.74	29.53	42.0	44.2	48.8	37.3	0.3	2.7	260	232	98	80	SW	5	NW	4	7	0	—	5.7	38	27	● 6a.-9a., and 4p.-5.30p.		
10	29.56	29.72	43.3	42.0	40.5	41.3	2.3	3.7	219	317	79	95	NW	9	W	18	10	10	—	2.25	0.6	27	Bright, sunny day.		
11	29.79	29.58	43.2	48.0	48.0	34.0	2.9	0.7	300	315	86	91	W	15	W	27	10	10	100	11.0	—	46	Cloudy day. ● n.		
12	29.43	29.05	48.8	49.0	49.5	47.3	1.9	1.3	188	134	75	73	NNW	5	—	2	0	0	—	—	—	46	● all day.		
13	29.22	29.35	40.5	32.4	49.7	31.0	3.3	2.4	119	140	77	78	NNE	4	—	3	4	0	—	7.9	23	21	Bright, sunny day.		
14	29.27	29.28	31.7	40.0	25.0	1.2	1.7	119	148	152	80	86	NNE	5	NNE	4	1	0	—	6.6	22	21	● 10a.-11a. Misty p.		
15	29.43	29.62	32.5	31.3	39.5	29.0	1.7	1.0	148	152	80	84	—	—	2	NNE	4	3	0	—	5.6	21	21	●. Sunny through mist.	
16	29.72	29.76	32.0	33.5	40.5	29.3	0.6	1.5	173	161	93	84	NE	4	—	3	0	5	—	6.8	24	21	●. Sunny through mist.		
17	29.79	29.86	36.0	36.8	42.0	29.5	2.0	2.3	175	176	82	81	NE	4	NE	4	0	5	—	3.6	27	27	●. Sunny through mist.		
18	29.82	29.83	36.0	40.0	42.2	34.5	2.2	1.8	172	211	80	86	NE	4	—	1	5	8	—	2.9	27	27	Dull a. Fine p.		
19	29.86	29.87	37.2	35.0	45.9	34.1	1.2	1.0	198	184	89	90	—	—	1	—	2	6	—	4.5	23	23	●. Misty.		
20	29.83	29.76	33.0	39.0	45.2	29.5	1.0	3.2	167	178	89	76	—	—	3	N	12	10	4	—	0.9	24	24	Cloudy and cold.	
21	29.59	29.62	34.0	36.0	41.0	29.0	2.0	3.0	156	158	79	74	N	5	—	3	3	3	—	6.4	24	24	Fine bright day.		
22	29.72	29.85	34.0	35.0	42.4	31.3	2.0	2.1	156	162	79	80	—	—	1	—	2	4	5	—	5.4	24	24	Fine day.	
23	29.98	29.97	41.0	42.0	43.5	31.0	2.7	1.7	202	231	79	87	NW	7	—	3	7	10	—	0.20	0.2	28	Cloudy. ☐ 11p.-midt.		
24	29.98	29.97	41.0	42.0	43.5	31.0	2.7	1.7	202	231	79	87	—	—	2	—	2	7	10	—	0.70	—	25	Dull, dark day.	
25	29.95	29.85	36.0	38.6	49.0	34.3	1.0	1.8	193	221	91	86	—	—	0	S	12	10	10	—	1.07	—	25	Misty a. Overcast.	
26	29.72	29.58	36.0	41.2	42.8	31.5	1.0	1.8	201	207	96	84	SW	7	W	8	10	8	—	4.00	1.3	34	● 9a.-noon. < 7p.-8p.		
27	29.47	29.33	39.0	40.0	43.0	36.5	0.5	2.0	306	302	95	92	WSW	12	SW	5	10	10	—	7.20	—	34	● a. ● showers 0.30p.-2p.		
28	29.23	29.08	46.8	47.7	49.0	40.0	0.5	1.2	281	215	96	90	SW	7	SW	4	10	4	—	1.07	—	33	●.		
29	28.87	28.75	44.5	39.3	50.0	38.3	0.5	1.3	281	215	96	90	SW	12	W	12	9	10	—	4.50	0.8	34	Overcast. ● 2.30p.-6.30p.		
30	28.76	28.78	42.0	42.1	44.2	37.7	2.0	1.1	225	244	85	91	—	—	—	—	—	—	—	—	—	—	—	—	—
M.	29.628	29.605	39.7	40.6	46.0	35.5	1.6	1.6	218	226	86	86	5	—	—	—	6	6.6	5.5	2.686	74	30.3	—	—	

SHREWSBURY, SHROPSHIRE.—NOVEMBER 1909.

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.	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	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	Misty all day.	
2	30.01	29.97	41.0	34.9	49.0	34.5	1.0	0.0	.235	.203	92	100	NW	1	NW	1	0	30	● 7 a.—11 a. Dull day.	
3	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	SW	3	NW	2	10	28	Overcast.	
4	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WNW	1-2	W	1	10	49	Misty all day.	
5	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	1	SE	1	10	48	Cloudy day.	
6	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	SSW	2-3	SSW	2	10	44	Misty all day.	
7	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NW	1	NW	1	10	43	Sunny a., then cloudy.	
8	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	1	W	1	0	27	Bright day.	
9	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WNW	1	Cal	0	0	22	Bright a. Cloudy. ● p.	
10	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	3-4	W	4	3	0	25	Bright till 11 a. ● showers.
11	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	3-4	W	2	3	0	31	Bright a., then cloudy.
12	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WNW	4	WNW	4	4	0	30	Overcast day.
13	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WNW	3	W	2	2	0	43	● early a. Fine day.
14	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NE	1	NW	1	10	0	27	Cloudy day. ● 1 p.
15	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	N	2	N	1	10	0	23	Cloudy and misty.
16	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	N	1	N	1	2	0	21	Misty day.
17	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WSW	1	N	1	2	0	20	● a. Cloudy and misty.
18	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	N	1	N	2	8	0	26	Dull and cloudy.
19	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NW	2	NW	2-3	9	0	25	Cloudy and misty.
20	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NE	1	NW	1	10	10≡2	24	Bright a., then cloudy.
21	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	1	NW	1	0	10	20	≡2 till 10 a. Cloudy.
22	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	Cal	0	NW	2-3	3≡2	0	26	Fine bright day.
23	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NNW	3	NNW	2	0	0	20	Misty a. Cloudy.
24	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	NNW	2	NW	1	8	8	22	● shower 1 p. and 7 p.—8 p.
25	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	1	NW	1	7	10	32	Cloudy.
26	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	W	1	NW	1	10	9	28	Overcast. Fine p.
27	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	WNW	1	SSW	4	8	0	31	● 6 p.—9 p. R 8 p.
28	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	S	4	SSW	4	10	10	35	Cloudy a. ● showers p.
29	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	SW	3	SW	4	8	8	35	● showers noon—7 p.
30	29.85	29.81	46.4	52.1	54.0	30.1	0.5	0.8	.304	.368	96	94	SW	3-4	W	3-4	7	1	33	● showers till 8 p.
M.	29.813	29.788	39.6	40.1	47.4	34.1	1.1	0.9	.228	.236	91	92	2.0	2.1	6.6	4.3	0.57	30.2		

CAMBRIDGE, a.—NOVEMBER 1909.

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	30.14	30.13	46.8	47.8	52.0	45.0	0.8	0.8	.301	.312	94	94	NNW	2	Calm	0	10.00	10.00	0.5	36	Overcast most of day.
2	.06	29.96	46.4	49.1	51.1	44.0	0.9	0.1	.294	.348	94	99	SW	2	SW	2	5.00	10.00	1.5	30	Sunny a., then overcast.
3	.00	30.08	51.9	49.2	53.2	49.0	0.1	0.7	.383	.332	100	96	Calm	0	N	3	10.00	10.00	.01	38	Overcast day.
4	.11	.13	44.8	52.0	54.0	47.8	0.8	0.3	.337	.350	94	96	SW	1	Calm	0	10.00	10.00	.01	41	Gloomy day.
5	.12	.06	49.5	42.5	55.0	41.9	0.2	0.8	.288	.254	98	94	SSE	2	SE	1	7.00	0.00	.50	39	Sunny 10a.-3p.
6	.03	.02	41.0	35.4	56.0	31.9	0.0	0.0	.257	.207	100	100	SSE	1	Calm	0	0.00	0.00	.65	21	Sunny 8.30a.-3.30p.
7	.07	.16	42.0	39.4	48.9	35.0	1.0	0.4	.245	.233	92	97	NW	3	NW	4	10.00	0.00	1.6	25	≡ n. Sunny 1.30p.-4p.
8	.28	30.31	37.0	31.1	48.0	31.0	1.0	0.1	.200	.172	91	99	N	2	Calm	0	0.00	0.00	.01	53	Sunny 9a.-4p.
9	30.20	29.94	35.1	45.0	48.8	26.4	2.1	1.6	.163	.262	79	88	SW	3	SW	4-5	0.00	0.00	.01	55	Sunny day.
10	29.91	30.03	42.1	39.0	48.0	37.0	2.1	1.0	.224	.218	84	92	W	3	NW	4	8.00	7.00	.4	21	Sunny a., then overcast.
11	30.11	30.03	38.1	45.0	47.0	33.2	2.3	2.0	.186	.253	80	85	W	3	W	2	8.00	7.00	.4	27	Overcast day. 9p.
12	29.80	29.51	50.0	51.0	53.3	44.4	3.1	3.2	.284	.294	79	79	W	5	SW	8	10.00	9.00	.6	27	Sunny 8.30a.-3p.
13	.55	.68	42.5	35.0	51.0	29.8	2.5	0.5	.220	.153	81	92	W	4	Calm	0	0.00	0.00	.6	18	● till 10a. ● 0.15p.-3p. *
14	.61	.53	32.0	35.3	38.0	28.0	1.0	0.3	.157	.201	87	97	N	1	N	2	10.00	10.00	.15	25	Overcast day.
15	.66	.88	37.1	35.8	43.9	35.0	1.0	0.9	.201	.176	91	84	NW	2	N	2	10.00	10.00	.01	25	≡ 6a.-9a. — 11.15a.
16	29.96	29.98	33.0	35.2	42.2	30.0	1.5	0.9	.157	.188	83	91	Calm	0	N	2	2.00	9.00	.3	18	Sunny 8.30a.-3p.
17	30.01	30.06	39.0	40.1	48.0	34.0	3.0	1.4	.181	.219	77	89	N	3	N	2	0.00	0.00	.6	22	Sunny 9a.-3.30p.
18	.05	.11	43.8	36.0	47.4	35.2	1.7	1.3	.248	.188	87	88	N	4	NNE	3	10.00	0.00	.4	19	Overcast most of day. — p.
19	.15	.15	39.0	34.0	44.0	30.0	2.7	0.0	.186	.170	79	100	S	1	Calm	0	10.00	0.00	.02	20	Overcast a. Sunny 10a.-3p.
20	30.15	30.05	31.3	39.0	47.2	27.0	0.4	1.0	.166	.218	94	92	W	3	NW	4	2.00	9.00	.01	35	Sunny a., then overcast. 10 p.
21	29.87	29.84	36.7	35.5	43.8	33.0	2.7	1.3	.168	.183	77	88	W	3	NW	4	5.00	0.00	.02	38	● a. Sunny intervals.
22	29.94	30.10	34.0	32.0	38.9	31.0	1.8	0.2	.160	.177	81	97	NW	4	NW	3	10.00	0.00	.01	21	Overcast most of day.
23	30.28	.34	32.2	31.2	40.2	31.0	0.2	0.2	.179	.171	98	97	Calm	0	Calm	0	2.00	0.00	.2	16	Cloudy day.
24	.32	.27	31.7	32.5	39.1	27.2	0.7	0.3	.162	.179	91	97	SW	2	Calm	0	0.00	0.00	.01	18	Overcast most of day.
25	.25	.22	37.0	28.5	44.0	28.0	0.5	0.0	.210	.157	96	100	W	2	Calm	0	10.00	0.00	.17	17	Overcast all day.
26	30.12	30.06	35.4	36.0	41.5	27.0	0.2	1.0	.204	.193	98	91	S	2	Calm	0	9.00	7.00	.01	40	Sunny till 2p. ● 2.30p
27	29.99	29.83	38.8	42.3	43.1	30.0	1.8	1.0	.201	.249	85	92	SSE	3	SW	4	2.00	10.00	.26	28	Overcast all day.
28	.72	.61	46.4	50.0	51.0	42.0	1.3	2.0	.284	.309	91	86	SW	4	SW	6	10.00	10.00	.01	28	Overcast. ● noon-4.30p.
29	.40	.22	51.2	46.0	53.0	46.0	1.2	1.7	.345	.272	92	88	SW	4-5	SW	3	10.00	10.00	.26	34	Sunny 9a.-3.30p.
30	29.27	29.25	40.0	42.5	48.0	37.5	1.7	2.2	.213	.226	86	83	SW	2	SW	4	0.00	0.00	.6	24	
M.	29.970	29.950	40.2	39.5	47.3	34.9	1.3	0.9	.227	.230	89	92	2.3	2.2	6.0	3.7	0.51	86	24.4		

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—NOVEMBER 1909.

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.		
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SOUTHAMPTON, HAMPSHIRE, a.—NOVEMBER 1909.

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.

Long. 1 24 W. Lat. 30 55 N. 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.								
ins. ins.		ins. ins.				in. in.		% %		NE † NE †		10 10		ins.	hrs.	°				
1	30.08	30.11	48.4	48.9	51.6	44.0	0.9	0.9	.318	.322	94	94	NE	3	NE	3	Dull, misty day.			
2	30.08	29.97	42.5	49.0	50.1	42.0	0.2	0.4	.266	.338	98	97	NE	3	NW	2	Dull day.			
3	29.99	29.98	53.1	53.2	58.5	48.8	0.7	0.8	.385	.383	95	95	NE	2	NE	2	Dull, misty day.			
4	30.09	30.11	50.5	51.1	53.9	49.4	1.4	1.5	.331	.337	90	89	NE	2	NE	2	Dull, misty day.			
5	30.09	30.11	47.0	47.7	50.0	44.5	0.9	1.8	.301	.255	94	87	NE	2	SE	3	Fine day.			
6	30.09	30.01	47.0	44.4	50.8	35.2	1.0	0.6	.250	.259	92	95	SE	2	SE	2	Fine day.			
7	29.99	29.99	42.5	44.7	50.2	38.5	1.0	1.2	.288	.232	94	90	NE	2	NE	4	Dull, then fine.			
8	30.04	30.12	45.9	41.1	50.2	38.5	1.0	1.2	.288	.232	94	90	NE	2	NE	4	— a. Fine day.			
9	30.04	30.12	45.9	41.1	50.2	38.5	1.0	1.2	.288	.232	94	90	NE	2	NE	4	— a. Fine day.			
10	25	30	40.0	37.9	49.1	35.4	2.0	1.0	.207	.209	84	92	NE	3	NE	2	0.20			
11	30.24	.02	32.0	46.5	51.8	28.0	1.7	2.7	.157	.255	87	82	NE	3	SW	2	—			
12	29.97	.09	43.9	38.0	50.5	37.8	2.8	1.3	.227	.203	79	86	NW	3	NW	3	7.3			
13	30.17	30.11	38.8	44.0	49.5	34.5	1.5	1.7	.207	.250	88	86	NW	3	NW	2	5.6			
14	29.62	29.68	50.7	49.9	55.0	43.8	3.4	3.0	.286	.286	78	80	NW	3	NW	4	3.6			
15	.62	.66	44.8	37.0	51.0	36.5	3.8	1.0	.216	.200	73	91	NW	3	NW	4	1.0			
16	.51	.43	39.5	37.2	43.5	34.2	0.9	0.5	.224	.212	93	95	NE	3	NE	4	8			
17	.59	.76	38.3	41.0	42.2	35.1	1.3	2.9	.205	.199	89	78	NE	5	NE	5	100			
18	.89	.90	35.0	38.2	42.0	32.7	1.6	1.4	.172	.202	84	88	NE	4	NE	5	1.00			
19	.93	.95	38.7	42.5	46.0	34.3	2.4	2.1	.189	.228	81	84	NE	4	NE	5	1			
20	29.96	29.97	42.4	39.2	47.9	38.7	2.3	2.2	.223	.197	83	82	NE	4	NE	4	0.00			
21	30.06	30.00	38.4	35.5	44.0	34.4	3.3	1.7	.171	.176	74	85	NE	4	NE	4	0.00			
22	30.14	30.05	36.3	36.0	46.6	32.3	1.3	0.9	.190	.195	89	92	NE	4	NE	3	0.00			
23	29.91	29.85	33.3	39.0	44.3	29.8	0.1	2.8	.188	.185	99	78	NW	3	NE	4	10.00			
24	29.95	30.10	35.1	34.1	41.4	29.7	2.2	1.4	.161	.169	79	85	NE	4	NE	3	0.00			
25	30.27	.38	32.0	31.3	39.3	28.2	0.8	0.7	.162	.159	89	90	NE	3	NW	3	10			
26	.39	.34	34.2	40.0	41.3	28.4	1.9	1.9	.160	.209	81	85	NW	4	NW	3	8			
27	.25	.21	41.4	36.4	45.2	36.3	1.4	0.5	.231	.206	89	96	NW	3	NW	3	0.00			
28	30.14	30.04	38.2	42.0	45.0	31.7	0.8	2.3	.214	.220	94	83	NW	3	SE	4	10.00			
29	29.97	29.86	43.1	43.1	46.0	39.9	2.6	0.8	.224	.261	80	93	SW	4	SW	3	10			
30	.80	.67	49.3	50.0	53.5	43.0	1.1	1.8	.323	.314	92	87	SW	2	SW	5	10			
31	.45	.25	51.0	46.1	52.0	46.0	0.7	0.7	.356	.296	95	95	SW	4	SW	4	100			
32	29.33	29.33	43.0	44.0	49.2	38.9	1.8	2.4	.238	.236	86	81	SW	2	SW	2	0			
M.	29.968	29.941	41.6	42.0	48.3	37.1	1.6	1.5	.236	.240	87	88	3.2	3.3	5.6	4.7	0.594	107	30.5	

PLYMOUTH, DEVONSHIRE, a.—NOVEMBER 1909.

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.

Long 4 8 W. Lat. 50 22 N. Gravity 30.1																							
1	29.99	30.01	48.2	44.0	51.9	35.6	1.2	1.8	.307	.248	92	86	NNE	10	—	0	9	0	—	0.5	31	Dull.	
2	30.06	29.97	41.2	50.0	50.5	37.2	0.4	1.5	.251	.322	97	90	N	4	—	1	10	8	—	3.1	29	Fine, with variable breezes.	
3	29.97	29.98	53.4	50.6	57.9	50.0	1.5	2.5	.366	.366	90	83	N	0	—	3	10	10	—	0.9	45	Dull.	
4	30.04	30.03	52.6	51.4	54.3	49.9	0.7	1.7	.377	.337	95	89	—	2	—	3	10	10	—	—	45	Dull, with variable breezes.	
5	30.01	29.95	53.0	46.2	59.0	46.2	2.5	1.4	.335	.281	83	91	—	2	SSE	5	4	0	—	7.0	44	Fine and sunny.	
6	29.92	30.02	40.2	46.0	54.6	37.7	0.6	3.9	.237	.227	95	74	N	3	NNE	10	2	0	—	7.6	29	Fine and sunny.	
7	30.02	—	39.7	41.6	51.2	39.7	3.9	3.4	.172	.197	71	75	N	9	N	5	0.00	0	—	6.9	33	Fine and sunny.	
8	—	.27	41.6	39.2	48.8	39.0	4.6	3.2	.176	.179	68	75	N	9	N	5	0.00	10	—	8.0	29	Fine, but cold.	
9	.24	.06	33.0	50.6	52.0	28.4	1.4	1.0	.159	.343	84	93	N	4	WSW	13	6	0	.01	5.8	19	Fine and sunny.	
10	.02	—	40	42.3	43.4	52.1	40.0	1.7	.33	.234	.213	87	76	N	7	—	3	6	10	—	4.5	30	Fine.
11	.18	30.16	37.6	47.3	51.6	32.8	0.8	3.3	.210	.250	93	77	W	14	W	16	10	10.0	.03	2.5	32	Dull.	
12	30.00	29.79	50.8	48.6	53.0	35.8	3.0	0.6	.235	.199	78	95	NNW	6	NNW	5	2	0	—	2.2	22	Dull and cold.	
13	29.65	—	.64	45.2	35.8	50.7	35.8	2.0	1.6	.250	.179	85	85	NNW	4	NNW	7	0	.01	2.5	22	Dull a. Fine afternoon.	
14	.45	.39	44.6	35.6	51.9	31.7	2.0	2.8	.201	.201	88	78	N	10	N	21	10	10	.02	—	27	☁ (sleet) ☁ showers.	
15	.58	.66	38.0	41.0	41.0	35.5	1.4	2.8	.204	.219	88	79	NE	14	NE	10	0	0	—	7.5	26	Cloudless and sunny.	
16	.82	.85	39.7	43.0	43.8	36.6	3.9	1.4	.172	.193	71	88	NE	14	NE	20	1	5	—	6.2	25	Fine, but with cold wind.	
17	.85	.86	38.4	37.0	45.1	35.4	1.4	2.8	.204	.219	88	79	NE	14	NE	15	5	6	—	5.6	38	Fine, with high wind.	
18	.81	29.83	43.7	42.6	46.7	40.7	3.6	3.5	.210	.203	74	75	ENE	22	ENE	5	2	7	—	6.8	35	Fine.	
19	29.90	30.03	39.2	37.8	42.8	37.6	2.6	2.2	.190	.186	79	82	ENE	—	—	0	0	0	—	7.3	27	Cloudless and sunny.	
20	30.06	30.04	42.2	38.2	46.6	36.4	4.2	2.6	.188	.173	71	79	ENE	7	—	0	0.00	6	—	6.6	20	Fine, but cold.	
21	29.90	29.82	38.6	38.2	47.2	32.0	3.7	1.2	.166	.206	71	90	—	0	—	3	0	0	—	6.9	22	Fine and sunny.	
22	29.95	30.07	35.8	36.6	43.0	35.3	1.8	2.2	.177	.176	84	82	N	8	ENE	4	0.00	0	—	6.3	18	Fine, but cold.	
23	30.25	.33	32.0	32.8	43.7	29.2	0.4	0.7	.172	.173	94	92	—	0	—	2	0.00	0	—	6.9	21	Intermittent sunshine.	
24	.39	.38	35.2	40.4	47.0	27.7	0.2	2.6	.202	.199	98	80	—	1	Calm	—	10.0	5	.10	2.9	21	Dull.	
25	.26	30.20	41.7	42.9	47.0	37.8	0.1	1.1	.262	.253	99	91	—	1	Calm	—	10.0	9	—	0.3	36	Fine. ☁ showers n.	
26	30.08	29.95	42.6	46.2	53.0	40.3	3.4	2.0	.205	.267	75	86	SW	—	SW	2	10.0	10	.02	6.1	35	☁ a., then fine.	
27	29.82	.84	48.8	48.3	53.2	45.5	1.4	2.7	.310	.274	90	81	SSW	—	SW	10	10.0	10.0	.08	4.5	45	Dull, with ☁ showers	
28	.80	.69	49.6	50.6	52.3	47.6	1.1	0.8	.327	.349	93	95	W	—	WNW	10	10.0	10	.08	—	43	Dull, with ☁.	
29	.39	.25	52.6	46.3	52.7	46.2	0.7	1.6	.377	.276	95	89	W	—	WSW	9	10	3	.14	4.9	39	Dull, with ☁ showers.	
30	29.32	29.35	46.3	45.7	51.0	43.0	3.1	3.0	.245	.241	—	—	—	—	—	—	—	—	—	—	—	—	
M.	29.930	29.919	42.9	43.2	50.1	38.4	2.0	2.1	.241	.240	85	84	—	—	—	—	5.2	5.0	1.33	127	31.8		

* Miles per hour.

† Beaufort Scale (0-12).

‡ No record.

ARMAGH, a.—NOVEMBER 1909.

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.					
	ins.	ins.						in.	in.	%	%	*	*			ins.	hrs.	°						
1	30.03	29.82	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	2	S	13	7	10	ins.	212	0.7	21	Fine. ● from 7p.	
2	29.78	29.84	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	4	—	2	3	10	10	—	—	38	Dull and close.	
3	29.91	29.84	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	3	—	2	3	10	10	—	2.8	44	Fine and mild.	
4	29.92	29.85	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	8	S	5	10	10	10	0.27	0.2	47	Dull and mild.	
5	29.73	29.75	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	4	—	2	8	2	2	0.10	0.2	37	Fine.	
6	29.86	29.96	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	4	—	2	8	2	2	0.10	0.2	37	Fine.	
7	29.06	29.13	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	NNE	5	SW	11	0	10	10	0.07	0.7	28	— a. Very fine.	
8	29.15	29.05	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	10	W	6	10	2	10	0.50	0.4	38	— a. Very fine.	
9	29.81	29.76	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	3	—	2	4	3	10	0.07	0.7	28	● showers.	
10	29.86	29.02	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	3	W	6	10	2	10	0.05	0.1	24	— a. Very fine.	
11	30.01	29.87	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	W	7	WNW	8	10	5	10	0.27	1.2	40	Overcast.	
12	29.67	29.39	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	2	—	2	9	3	10	0.07	0.7	28	Dull a. Fine afternoon.	
13	29.50	29.51	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	1	—	0	0	3	10	—	4.3	26	Fine.	
14	29.46	29.52	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	1	—	0	0	3	10	—	6.4	22	— a. Very fine, but cold.	
15	29.70	29.84	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	2	—	2	0	0	10	—	5.4	15	— a. Very fine, but cold.	
16	29.92	29.94	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	2	—	2	0	0	10	—	4.5	15	— a. Very fine, but cold.	
17	30.01	30.05	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	1	—	1	0	3	10	—	3.9	14	— a. Very fine, but cold.	
18	29.04	29.03	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	1	—	1	0	3	10	—	5.0	10	— a. Very fine, but cold.	
19	29.07	29.10	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	S	5	—	1	0	3	10	—	2.3	20	Very fine, but cold.	
20	29.06	29.99	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	3	—	3	10	10	10	—	5.0	25	— a. Very fine.	
21	29.86	29.88	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	3	—	2	0	0	10	—	0.8	25	Very fine.	
22	30.00	29.99	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	3	SSW	4	0	10	10	—	4.8	18	— a. Fine, but cold.	
23	29.20	29.23	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	5	SSW	4	10	10	10	—	7.4	17	— a. Fine.	
24	29.25	29.22	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	5	SSW	4	10	10	10	—	3.0	39	Dull.	
25	29.16	29.29	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	4	SW	4	9	10	10	—	2.5	33	Fine and mild.	
26	29.73	29.47	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	11	S	18	10	9	10	0.90	1.0	37	Fine and mild.	
27	29.42	29.41	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	S	15	SW	11	10	7	10	0.75	3.0	34	Fine and mild.	
28	29.32	29.03	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	13	SSW	20	10	10	10	0.50	—	32	Dull and warm.	
29	28.88	28.77	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SSW	14	SW	18	0	10	10	0.83	3.4	36	Fine, but cool. ● showers p.	
30	28.83	29.04	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	SW	18	WSW	7	10	0	10	0.433	—	35	Overcast, with ● showers.	
M.	29.807	29.783	33.7	40.7	46.0	26.5	2.0	3.1	153	194	79	77	—	5	—	5	5.7	5.2	1.096	95	28.4			

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHENIX PARK), a.—NOVEMBER 1909.

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.	Min.	Grass.		
1	ins.	ins.															ins.	hrs.			
2	30.11	29.98	34.9	43.9	46.9	23.9	3.2	4.5	145	196	71	69	—	1 SW	6	7	10	0.32	3.3	19	Cloudy. ● p.
3	29.88	29.94	50.2	51.6	55.1	43.1	0.6	0.8	348	364	95	95	WSW	10 W	5	10	10	0.05	—	40	Overcast, with ●.
4	29.99	30.01	49.9	48.6	58.6	45.9	0.4	0.7	349	325	98	95	WSW	5 —	1	10	10	—	5.8	45	Cloudy.
5	30.01	29.93	50.7	51.6	54.6	47.9	1.4	3.3	334	299	90	78	—	1 —	1	9	10	—	—	46	Overcast.
6	29.83	29.84	56.5	46.2	56.6	45.7	3.7	0.7	353	297	77	96	SW	9 —	0	9	10	0.75	0.2	42	Overcast. ● a. and p.
7	29.83	29.84	56.5	46.2	56.6	45.7	3.7	0.7	353	297	77	96	SW	3 —	0	1	0	7.2	2.5	22	Fine and bright.
8	29.93	30.02	39.9	32.1	50.1	30.8	1.0	0.2	226	178	92	98	W	5 —	3	2	0	—	6.6	22	
9	30.11	30.20	33.4	31.9	46.8	27.9	1.6	0.6	159	166	83	93	W	2 WSW	6	1	0	—	5.8	19	Cloudy.
10	30.26	30.18	32.2	42.7	47.0	25.4	0.3	3.7	177	200	97	73	SW	11 WSW	6	10	0	0.20	—	36	Overcast, with ●.
11	29.96	29.89	47.7	40.6	50.9	40.2	1.3	1.7	299	218	91	87	SW	6 W	6	5	0	—	5.6	31	Cloudy.
12	29.96	30.11	39.9	36.4	48.7	35.9	1.5	1.1	216	195	88	91	SW	8 W	9	10	10	0.05	0.3	29	Overcast.
13	30.13	30.01	41.0	47.9	49.5	33.4	1.4	2.0	227	285	89	86	SW	12 W	16	10	10	0.08	—	44	Overcast. ● p.
14	29.81	29.50	48.0	49.4	50.7	46.9	1.2	2.2	304	298	92	85	W	6 —	0	9	10	7.00	4.0	29	Cloudy.
15	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	0.06	1.0	26	* ● a. -5.20a.
16	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	0.15	6.2	20	* 3a. Cloudy.
17	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	0.16	4.0	16	* 2.45a. Cloudy. ● p.
18	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
19	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
20	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
21	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
22	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
23	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
24	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
25	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
26	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
27	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
28	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
29	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
30	58	55	37.8	32.9	42.9	32.7	2.2	0.7	186	173	82	92	WSW	6 —	0	9	0	—	—	—	
M.	29.89	29.86	40.1	40.9	47.9	34.7	1.7	2.1	220	219	86	84	7	6	6.9	5.6	1.488	90	29.6		

BIRR CASTLE, KING'S COUNTY, a.b.—NOVEMBER 1909.

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.

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

* Miles per hour.

† Beaufort Scale (0—12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—NOVEMBER 1909.

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. 138 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	17, 25	18, 28	18, 28	18	21, 4	20, 4	18, 7	19, 8	19, 11	24	9, 21	8, 16	8, 5	—	1	29
2	4, 4	—	1	22, 17	20, 4	24, 10	23, 6	23, 6	20, 12	7	23, 7	23, 12	25, 7	25, 5	—	22
3	22, 10	20, 8	23, 19	23	27, 5	23, 4	24, 7	24, 6	24, 25	7	2	8	3	5	—	15
4	—	2	23, 12	1	21, 4	24, 6	24, 4	19, 4	24, 7	14	—	2	17, 4	—	1	?
5	16, 22	19, 12	16, 24	11	19, 10	16, 12	18, 12	19, 10	17, 19	12	22, 4	20, 6	16, 5	16, 10	—	20
6	26, 15	29, 17	17, 26	1	25, 5	21, 6	23, 6	23, 7	24, 8	23	17, 4	21, 5	18, 4	20, 14	—	21
7	30, 10	—	3	29, 15	23, 7	30, 13	29, 10	28, 8	30, 15	14	31, 4	2, 11	2, 10	4, 15	—	31
8	19, 16	25, 16	21, 23	9	27, 7	22, 10	21, 11	21, 12	22, 14	24	4, 12	4, 9	3, 4	3, 4	—	33
9	23, 34	21, 30	28, 36	24	20, 18	21, 16	23, 13	22, 11	20, 19	10, 15	24, 10	24, 14	24, 12	24, 10	—	24
10	27, 28	26, 26	27, 34	11	22, 8	26, 15	20, 12	20, 10	22, 19	1	27, 11	28, 11	28, 8	27, 8	—	23
11	6, 4	10, 17	28, 31	1	23, 7	24, 8	23, 13	23, 15	23, 16	24	27, 18	28, 12	25, 10	24, 18	—	28
12	9, 28	6, 35	3, 52	20	23, 17	23, 15	22, 20	23, 21	23, 28	14	28, 20	28, 14	28, 7	28, 6	—	36
13	32, 10	25, 4	1, 26	5	24, 7	28, 12	31, 7	25, 8	27, 29	2	—	3	4, 4	6, 15	5, 24	29
14	1, 6	29, 17	32, 24	1	24, 6	29, 11	29, 9	28, 8	29, 14	2	11, 8	6, 23	5, 22	5, 15	—	33
15	28, 10	26, 4	30, 22	4	29, 9	30, 11	31, 8	31, 8	29, 14	9	8, 27	5, 21	8, 26	8, 29	—	42
16	21, 5	22, 6	22, 8	24	29, 14	30, 9	31, 7	31, 10	4, 13	2	7, 30	5, 27	4, 25	4, 25	—	38
17	25, 9	24, 7	23, 15	8	30, 10	4, 9	31, 7	4, 4	30, 12	6	8, 23	8, 20	4, 25	8, 27	—	32
18	25, 11	25, 13	24, 25	23, 24	30, 6	29, 5	27, 7	24, 10	29, 24	3, 5, 21	9, 13	—	2	3, 30	4	28
19	28, 22	28, 22	30, 29	5, 23, 24	24, 12	29, 12	27, 10	28, 10	30, 14	14	28, 7	28, 7	28, 7	31, 5	—	18
20	25, 11	20, 29	31, 20	1, 9	27, 10	30, 17	32, 15	32, 19	31, 22	1	28, 12	29, 12	32, 15	33, 15	—	44
21	32, 25	1, 20	29, 31	6	31, 14	31, 15	28, 10	31, 8	32, 18	1, 3	4, 13	1, 12	1, 10	5, 15	—	47
22	29, 13	29, 7	31, 20	20	25, 11	25, 8	24, 10	24, 10	28, 23	2, 24	2, 8	27, 7	25, 9	28, 10	—	30
23	27, 17	24, 26	25, 21	1	24, 10	28, 7	25, 6	24, 8	23, 12	8, 9, 10, 22, 24	27, 10	28, 14	27, 8	28, 8	—	22
24	29, 11	27, 13	26, 21	11	27, 7	20, 7	19, 9	19, 14	19, 21	19, 21	—	3	24, 4	24, 6	23, 5	15
25	25, 10	15, 18	14, 26	24	22, 7	16, 13	16, 14	19, 12	19, 21	24	19, 12	19, 12	19, 12	19, 13	—	35
26	17, 17	15, 25	14, 34	8	18, 18	21, 7	20, 16	20, 19	17, 25	24	21, 15	23, 14	23, 13	22, 12	—	33
27	16, 21	14, 29	13, 33	16, 17	19, 11	19, 10	19, 17	19, 17	19, 21	1	22, 14	20, 13	20, 9	21, 11	—	29
28	13, 23	16, 21	16, 23	11	20, 13	19, 10	19, 11	19, 11	19, 24	10	24, 10	22, 12	21, 13	22, 12	—	30
29	15, 21	30, 20	14, 21	1	19, 18	19, 23	21, 19	22, 11	19, 24							
30	27, 4	30, 20	14, 21													

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 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	—	9	—	22	—	7	—	8	—	16	5, 10	3, 7	3, 8	4, 6	—	35
2	—	1	—	16, 30	—	0	—	6	—	11	1, 4	28, 6	27, 8	28, 11	—	18
3	—	5	—	15	—	1	—	5	—	13	31, 9	1, 14	3, 8	2, 7	—	20
4	—	3	—	4, 30	—	2	—	0	—	8	—	3	10, 6	12, 8	—	14
5	—	6	—	10	—	0	—	1	—	20, 45	16, 5	18, 5	16, 4	16, 4	—	12
6	—	0	—	21, 10	—	4	—	3	—	4, 25	1, 11	1, 8	32, 15	1, 17	—	25
7	—	6	—	30	—	—	—	19	—	13, 5	2, 13	1, 15	2, 15	3, 11	—	28
8	—	12	—	21, 55	—	15	—	23	—	13, 25	6, 15	7, 17	5, 7	6, 5	—	20
9	—	9	—	21, 40	—	15	—	19	—	13, 25	26, 6	23, 14	23, 19	24, 19	—	23
10	—	11	—	15, 0	—	0	—	11	—	10, 10	28, 18	29, 21	30, 17	31, 12	—	32
11	—	6	—	26, 12	—	14	—	22	—	12, 25	31, 9	30, 11	30, 15	28, 15	—	25
12	—	8	—	20, 14	—	19	—	17	—	*	27, 20	26, 20	25, 32	25, 33	—	38
13	—	15	—	12, 50	—	*	—	*	—	*	30, 11	29, 12	—	3	—	35
14	—	18	—	4, 15	—	17	—	19	—	23	27, 13	30, 13	29, 13	1, 22	—	39
15	—	5	—	22, 35	—	12	—	12	—	10	28, 10	31, 13	32, 15	6, 22	—	42
16	—	3	—	20, 10	—	18	—	22	—	35	7, 23	7, 23	7, 20	7, 23	—	40
17	—	12	—	11, 20	—	27	—	31	—	45	7, 27	7, 27	6, 30	6, 33	—	49
18	—	15	—	22, 50	—	28	—	30	—	42	6, 32	7, 41	6, 30	6, 31	—	54
19	—	23	—	10, 55	—	25	—	23	—	36	6, 28	7, 29	6, 23	6, 20	—	42
20	—	16	—	12, 10	—	22	—	20	—	30	6, 21	7, 20	7, 20	7, 16	—	29
21	—	8	—	2, 50	—	15	—	3	—	33	6, 8	5, 8	3, 10	4, 12	—	21
22	—	0	—	24, 0	—	16	—	22	—	33	7, 19	7, 12	6, 10	7, 10	—	25
23	—	7	—	1, 0	—	19	—	18	—	25	7, 6	7, 6	—	3	—	14
24	—	1	—	1, 45	—	18	—	5	—	30	*	28, 7	30, 14	30, 7	—	25
25	—	*	—	*	—	21	—	19	—	30	27, 19	32, 9	31, 7	31, 4	—	38
26	—	*	—	*	—	15	—	16	—	25	*	16, 14	16, 17	—	—	25
27	—	*	—	*	—	4	—	9	—	24	22, 13	22, 23	23, 22	23, 23	—	38
28	—	*	—	*	—	17	—	19	—	33	24, 22	22, 23	23, 28	22, 24	—	44
29	—	*	—	*	—	23	—	25	—	35	22, 30	22, 20	24, 28	24, 24	—	40
30	—	*	—	*	—	26	—	30	—	55	24, 27	24, 27	26, 34	26, 34	—	49

ANEMOMETER RECORDS.

STONYHURST.†						SOUTHPORT.‡						HOLYHEAD.†§						
Height of Cups above—Roof 8 ft., Ground 30 ft., M.S.L. 465 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.	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	2	4	3	2	6, 7, 8	2	6	31	7	15	7	16	9	—	18	0	30	
2	22	7	27	7	16, 17	18	14	24	19	25	10	25	13	—	23	9	45	
3	23	4	—	3	2, 3	27	13	27	7	28	6	21	5	—	17	1	5	
4	—	3	—	1	11	20	7	23	5	—	1	15	5	—	11	6	10	
5	18	4	17	9	18	16	12	16	10	15	9	15	10	—	20	10	25	
6	—	3	—	3	1, 2, 3, 4	—	0	28	6	29	6	30	4	—	16	4	5	
7	1	4	1	5	17	—	3	1	13	2	10	3	7	—	16	13	10	
8	21	4	—	2	14	8	4	22	7	20	9	23	15	—	22	22	50	
9	21	12	24	16	16, 17, 18	20	20	21	28	24	26	26	29	—	44	23	25	
10	28	14	28	12	4	27	26	28	27	29	26	30	21	—	48	9	25	
11	27	12	24	15	23	28	18	26	17	24	26	24	30	—	39	20	10	
12	23	20	24	29	18	26	35	24	34	24	45	23	44	—	61	21	45	
13	29	10	—	2	1	32	15	26	16	3	5	10	5	—	62	0	10	
14	4	4	—	3	10	4	9	5	11	5	11	5	10	5	—	17	13	40
15	2	5	2	4	4	2	9	32	10	3	9	5	8	—	17	14	10	
16	5	6	2	7	6, 12, 18	3	10	6	9	2	10	4	13	—	18	13	15	
17	5	6	—	1	10	2	8	6	24	4	8	1	11	—	34	14	0	
18	7	7	4	4	14	3	15	6	12	3	11	4	6	—	23	13	55	
19	—	2	2	4	2, 3, 4	5	0	1	8	4	5	3	1	—	14	2	15	
20	—	3	—	2	5	26	4	26	5	30	4	5	5	—	11	15	45	
21	1	6	32	10	31	1	13	32	15	32	12	1	7	—	20	13	20	
22	32	8	2	5	2, 12, 13, 17	2	7	—	2	29	12	27	9	—	16	17	15	
23	28	5	—	3	14	27	20	27	19	28	18	6	—	—	29	10	20	
24	28	10	28	5	7	—	3	—	2	10	4	23	6	—	16	0	20	
25	—	1	—	1	1	15	8	15	13	18	15	21	23	—	25	23	55	
26	21	4	17	12	24	16	8	15	13	18	15	21	23	—	43	21	30	
27	16	14	20	7	7	21	25	20	23	18	19	19	16	—	33	10	20	
28	21	13	20	6	24	20	14	21	18	19	16	20	19	—	41	2	25	
29	20	4	21	6	2	21	28	21	29	24	34	35	23	—	54	17	40	
30	21	16	23	12	11, 12, 14	21	28	21	29	24	34	35	23	—	54	17	40	

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.	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	7	18	7	15, 21	25	7	25	7	20	4	—	0	25	18	11	4, 23
2	24	7	24	5	3, 14, 16	22	29	24	25	25	14	24	18	23	36	10	8
3	25	7	—	3	15	25	17	25	12	25	12	26	4	25	21	8	—
4	22	4	22	4	23	—	0	14	6	15	4	16	12	20	10	12	21
5	20	14	22	6	13	19	10	20	7	25	7	—	1	19	17	10	—
6	27	7	25	4	6, 11	24	11	24	8	24	10	24	10	25	12	24	—
7	—	2	—	2	16	24	15	32	14	28	9	26	8	24	15	9, 10	—
8	21	11	21	10	22, 23	24	4	24	8	22	5	20	6	24	12	1	—
9	25	17	25	13	10, 10	20	17	21	27	25	17	24	25	22	32	7	—
10	26	10	26	6	1, 15	23	24	26	21	24	15	24	20	23	29	3	—
11	23	14	25	10	24	23	21	23	24	23	23	32	32	23	32	21	—
12	33	6	26	21	21	24	28	33	33	23	37	26	33	23	39	10	—
13	31	2	2	28	1	24	20	26	8	—	2	2	24	27	10	—	—
14	—	3	32	4	15, 19	6	23	2	26	28	14	29	15	6	30	10	—
15	—	2	—	—	21	2	20	32	18	26	12	25	10	31	21	10	—
16	—	1	—	0	8, 10, 12	—	2	10	15	8	21	8	23	8	23	21	—
17	—	1	—	1	22	8	22	8	23	8	23	8	22	8	26	19	—
18	—	1	—	1	1	6	18	6	18	6	20	7	20	6	24	10	—
19	32	4	—	3	24	8	17	8	14	7	12	8	10	8	19	1, 3	—
20	5	5	—	2	7	26	12	25	12	24	11	25	12	24	13	20	—
21	10	14	2	5	13	24	13	32	15	24	22	5	22	5	18	7	—
22	1	4	1	4	2	6	14	32	7	30	10	32	12	5	18	10	—
23	25	4	24	4	21, 22, 23	27	7	24	7	30	7	32	8	26	12	7	—
24	27	6	25	6	12, 15	24	19	24	15	23	19	24	15	24	22	17	—
25	23	4	25	4	16	25	17	26	11	3	—	2	24	19	1	—	—
26	19	11	15	7	14	13	15	17	22	16	8	16	26	16	26	21	—
27	18	11	19	5	18, 21	16	12	20	22	21	17	20	18	20	23	14, 16	—
28	21	13	21	21	21	21	24	21	29	20	21	17	13	20	32	23	—
29	20	9	20	11	21	21	25	20	25	21	33	19	15	21	33	18, 19	—
30	20	15	25	5	6, 7	21	26	22	38	23	32	23	28	22	38	13, 14	—

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.	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	7	18	7	20	9	15	21	15	21	15	12	5	10	10	10	10
2	24	7	24	5	20	8	15	15	15	15	15	12	5	10	10	10	10
3	25	7	24	5	20	8	15	15	15	15	15	12	5	10	10	10	10
4	22	4	22	4	18	7	23	13	13	13	10	10	10	10	10	10	10
5	20	14	22	6	20	14	13	13	13	13	10	10	10	10	10	10	10
6	27	7	25	4	22	24	8	6	11	10	27	7	25	4	22	24	24
7	—	2	—	—	3	16	—	—	—	—	—	—	—	—	—	—	—
8	21	11	21	10	22	12	22	23	23	23	21	11	21	10	22	12	12
9	25	17	25	13	22	24	21	10	10	10	25	17	25	13	22	24	24
10	20	10	26	6	26	28	12	1	15	15	20	10	26	6	26	28	28
11	23	14	25	10	25	17	24	25	22	22	23	14	25	10	25	17	17
12	23	23	26	21	20	27	21	20	27	21	23	23	26	21	20	27	27
13	31	6	2	28	10	1	24	20	26	8	31	6	2	28	10	1	1
14	—	3	32	4	32	4	15	19	15	19	—	3	32	4	32	4	15
15	—	2	—	—	3	21	—	—	—	—	—	—	—	—	—	—	—
16	—	1	—	—	2	8	10	15	8	21	—	1	—	—	—	—	—
17	—	1	—	—	2	8	22	8	23	21	—	1	—	—	—	—	—
18	—	1	—	—	2	6	18	6	20	7	—	1	—	—	—	—	—
19	32	4	3	25	6	24	7	20	6	24	10	32	4	3	25	6	24
20	5	5	2	24	7	26	12	24	11	25	12	5	5	2	24	7	24
21	10	14	2	5	10	14	7	13	2	2	10	14	2	5	10	14	14
22	1	4	1	4	30	7	21	22	23	23	1	4	1	4	30	7	21
23	25	4	24	4	24	7	21	22	23	23	25	4	24	4	24	7	21
24	27	6	25	6	26	8	12	15	14	14	27	6	25	6	26	8	12
25	23	4	25	4	24	5	16	12	14	14	23	4	25	4	24	5	16
26	19	11	15	7	19	12	14	11	11	11	19	11	15	7	19	12	14
27	18	11	15	5	18	14	11	11	11	11	18	11	15	5	18	14	14
28	21	13	21	21	21	20	21	17	13	20	21	13	21	21	21	20	20
29	20	9	20	11	19	15	21	33	19	15	20	9	20	11	19	15	15
30	20	15	25	5	21	22	18	6	7	6	20	15	25	5	21	22	18

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

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

DEERNES, ORKNEY, a.b.—DECEMBER 1909.

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.	9 a.m.		9 p.m.
1	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	Frosty rime. Hills white.
2	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	—	3	WNW	8	1	1.00	* showers past n.
3	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SW	7	SE	11	8	1.00	* all a. Rough sea.
4	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SNE	24	N	19	100	9	* a. • till 5 p., then *
5	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	NW	18	NNW	10	4	10	* showers a.
6	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	WNW	8	WNW	10	3	8	* a. Fine and frosty.
7	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SW	11	SW	7	1	1	* a. • (sleet) showers.
8	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	WSW	5	NW	16	4	2	* a. • 3 p.-5 p.
9	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	—	1	W	6	3	1	Strong wind and • all day.
10	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SW	32	S	23	100	100	* a. • Drizzling •
11	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	23	E	23	10	100	Fair a. Drizzling • p.
12	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	11	SSE	23	100	9	* a. • Muggy day.
13	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SSE	18	S	21	100	9	Dull, with •.
14	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	13	S	12	3	100	Very fine. • 5 p.-7 p.
15	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	12	SE	9	10	10	Fine.
16	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	—	3	—	0	10	10	Salmon coloured sunset.
17	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SW	5	NNE	21	100	100	Muggy most of day.
18	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	NW	11	NW	26	3	10	* showers. • after 3 p.
19	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	NNW	22	N	11	7	6	* a. • showers. •
20	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	NW	40	W	13	10	10	* a. • 4 ft. deep. <
21	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	—	0	S	18	10	10	* a. • midday.
22	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	38	SE	12	10	9	* a. • still 4 p.
23	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SE	11	W	13	10	5	* a. • showers.
24	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	W	15	WSW	26	3	2	* a. • Fine day. ☐
25	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	WNW	8	S	23	4	2	Fine day. ☐
26	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	S	23	NNW	10	8	2	Drizzling • most of day.
27	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	—	3	SE	27	5	9	Very fine day.
28	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	NNW	11	S	19	10	10	Breezy. • at intervals.
29	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	S	21	S	21	7	4	Fine after 4 p. ☐
30	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88	SW	13	W	11	5	0	
31	28.77	28.85	34.0	34.3	42.8	33.5	0.2	1.1	192	176	98	88							
M.	29.295	29.330	37.9	37.7	40.7	33.8	1.0	1.6	210	198	90	86	14	16	7.0	6.5	4.49	29	—

TILLYPRONIE, ABERDEENSHIRE.—DECEMBER 1909.

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	ins.	ins.	32.2	32.5	38.0	31.0	1.2	1.1	155	161	85	87	W	†	ins.	hrs.	26	23	Sunshine.
2	27.91	28.00	32.2	32.5	38.0	31.0	1.2	1.1	155	161	85	87	NW	†	—	—	26	23	Sunshine.
3	28.02	27.53	28.2	28.8	35.0	28.0	1.0	0.8	124	135	81	86	NW	†	—	—	26	23	Sunshine.
4	27.21	27.41	33.5	32.5	38.5	27.0	0.5	0.5	182	174	94	94	N	†	—	—	26	23	Sunshine.
5	27.52	27.62	31.0	31.0	32.8	26.0	1.0	1.0	148	148	85	85	N	†	—	—	26	23	Sunshine.
6	27.72	27.88	28.5	31.0	34.0	26.0	0.5	0.7	141	156	91	89	N	†	—	—	26	23	Sunshine.
7	27.93	27.98	27.0	23.5	34.0	20.0	1.0	1.0	114	102	79	74	N	†	—	—	26	23	Sunshine.
8	28.06	28.33	24.5	33.0	33.5	20.0	0.5	1.0	114	167	87	89	N	†	—	—	26	23	Sunshine.
9	28.06	28.06	28.0	32.8	36.2	27.0	0.5	0.8	137	170	89	91	N	†	—	—	26	23	Sunshine.
10	28.06	28.06	37.0	42.2	46.0	31.0	2.0	1.2	182	243	83	90	SE	†	—	—	26	23	Sunshine.
11	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
12	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
13	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
14	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
15	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
16	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
17	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
18	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
19	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
20	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
21	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
22	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
23	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
24	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
25	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
26	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
27	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
28	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
29	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
30	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
31	28.06	28.06	45.2	39.0	52.8	38.0	0.2	0.5	297	228	99	96	SW	†	—	—	26	23	Sunshine.
M.	28.323	28.359	32.5	33.0	38.7	28.1	0.9	1.0	166	168	87	87	2.5	2.5	5.8	5.2	2.13	—	24.1

LAUDALE, ARGYLESIRE, a.—DECEMBER 1909.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +.031 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.
1	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—
M.	—	—	—	—	—	—	—	—	—

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—DECEMBER 1909.

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.	Dep. of Wet.		Vapour Pressure.		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.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°	
1	28.83	28.92	34.0	34.6	40.5	33.0	0.3	0.6	.190	.189	97	94	NE	1	NE	1	10	10	30	10a.-5.30p.
2	29.03	29.12	34.0	34.6	35.8	28.4	1.0	0.5	.167	.186	89	95	W	1	NE	1	5	10	67	≡
3	28.25	28.34	36.8	36.5	37.7	32.5	2.0	2.0	.181	.179	83	83	NW	5	W	1	10	10	01	*● (sleet) ● in past n.
4	28.25	28.34	36.8	36.5	37.7	32.5	2.0	2.0	.162	.128	89	75	W	1	NW	1	5	5	—	Dull and cloudy.
5	28.25	28.34	36.8	36.5	37.7	32.5	2.0	2.0	.123	.133	78	89	W	1	NW	1	5	5	—	Fine.
6	28.98	29.08	22.5	20.2	28.5	19.0	0.5	0.0	.103	.109	86	100	NW	1	NW	1	5	5	—	≡
7	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
8	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
9	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
10	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
11	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
12	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
13	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
14	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
15	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
16	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
17	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
18	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
19	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
20	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
21	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
22	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
23	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
24	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
25	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
26	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
27	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
28	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
29	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
30	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
31	29.17	29.26	22.5	20.2	28.5	19.0	0.5	0.0	.108	.142	100	92	SW	1	NW	1	5	5	—	≡
M.	29.392	29.420	34.9	35.0	39.7	30.7	0.6	0.7	.196	.194	94	92	1.9	1.8	8.2	7.9	2.85	—	—	

COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—DECEMBER 1909.

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.						
	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.	38.9	38.1	40.9	34.0	0.4	0.3	229	223	97	97	SW	2	NW	4	10	9	24	0.1	30	Dull, with ●.		
2	28.72	28.63	38.9	38.1	40.9	34.0	0.4	0.3	229	223	97	97	W	2	SE	4	9	100	0.1	29	0.1	29	Dull, with ●.	
3	28.87	28.77	34.7	35.1	39.2	31.8	1.8	0.1	166	203	82	99	NW	10	NW	4	9	6	0.1	31	0.1	31	Cloudy day.	
4	28.81	28.71	37.6	35.0	40.4	33.0	2.1	2.0	186	164	82	80	NW	1	NW	5	4	1	—	5.1	26	26	Fine day.	
5	28.41	28.31	37.6	35.0	40.4	33.0	2.1	2.0	186	164	82	80	NW	4	NW	1	1	1	—	6.6	21	21	Fine day.	
6	28.41	28.31	37.6	35.0	40.4	33.0	2.1	2.0	186	164	82	80	NW	4	NW	1	1	1	—	6.6	21	21	Fine day.	
7	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	18	18	Cloudy day. 13 p.	
8	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	27	27	Dull a. * (sleet) 13	
9	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	4.1	25	25	Fine day.
10	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	24	24	Dull day.	
11	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	31	31	Dull day.	
12	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	35	35	≡	
13	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	39	39	Dull, with ∞.	
14	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	38	38	Dull day.	
15	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	39	39	Dull day.	
16	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	37	37	Dull day.	
17	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	37	37	Dull day.	
18	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	36	36	Dull day.	
19	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	31	31	Dull day.	
20	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	20	20	Dull, then clear.	
21	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	21	21	Bright and frosty.	
22	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	19	19	Bright, then misty. —	
23	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	17	17	*, then * (sleet).	
24	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	32	32	*, Fine, then cloudy.	
25	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	29	29	Fine and clear.	
26	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	25	25	Cloudy day.	
27	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	26	26	Cloudy day.	
28	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	33	33	Cloudy. ● n.	
29	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	38	38	Cloudy day.	
30	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	31	31	Cloudy day.	
31	28.91	28.81	34.1	31.9	35.8	30.5	0.9	0.9	179	159	90	88	N	4	NW	4	9	1	0.1	—	25	25	Cloudy day.	
M.	29.216	29.240	36.6	36.9	41.3	31.4	1.2	1.1	195	201	87	88	3.5	4.0	7.4	7.0	3.66	46	29.4					

DOUGLAS, ISLE OF MAN, a.—DECEMBER 1909.

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	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	38	Squally, with ●.
2	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	33	Dull. ● from 1p.
3	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	34	△. ▲a. △ 5p.-7p. ~
4	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	30	△ showers. Fine.
5	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	30	(Fine and frosty.
6	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	26	● (sleet) a. ● after 5p.
7	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	29	* a. Fine and frosty.
8	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	24	Fine day.
9	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	29	Dull and squally, with ●.
10	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	42	Squally, with ● showers.
11	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	48	≡ ● a. Dull day.
12	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	38	Dull day.
13	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	35	Very fine till 5p.
14	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	37	Cloudy and squally.
15	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	34	Dull and squally. *
16	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	37	Dull. * ● (sleet) shower.
17	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	20	* ● (sleet) 11a.-1p.
18	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	23	* a. △
19	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	26	△ showers. * after 2p.
20	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	18	△
21	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	19	* till 5p.
22	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	31	—, Fine day.
23	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	29	Fine, but squally. ● 1op.
24	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	32	Dull. ● showers 5p.-8p.
25	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	45	≡ from 1. 3op.
26	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	44	● noon-5p.
27	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	45	—, Very fine.
28	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	31	Dull. Squally. ● 8p.
29	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—	40	Squally till 7p.
30	28.77	28.78	41.5	42.5	45.2	40.5	0.5	0.5	251	261	96	96	WSW	3-4	WNW	6-7	100	9	27.4	—		
M.	29.287	29.300	40.1	40.5	44.6	36.5	1.4	1.1	225	235	88	90	2.9	3.0	7.1	6.4	6.640	59	32.6			

SHREWSBURY, SHROPSHIRE.—DECEMBER 1909.

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.	
	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.	9 a.m.	9 p.m.									
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SSW	3	NW	4	100	70	ins.	hrs.	°
2	29.01	28.89	43.3	44.0	48.8	40.0	1.4	2.3	250	238	89	82	S	1	SSW	3-4	9	100	75	—	32
3	28.41	28.34	40.8	41.0	52.9	36.4	3.8	2.3	182	210	71	82	WNW	6	NW	6-7	7	0	74	—	32
4	28.41	28.34	40.8	41.0	52.9	36.4	3.8	2.3	182	210	71	82	WNW	6	NW	6-7	7	0	74	—	32
5	28.83	28.87	33.7	34.3	37.4	30.8	0.0	0.3	194	192	100	97	E	1	NW	3	100	0	75	—	30
6	29.05	29.35	34.1	35.4	41.5	33.2	0.1	0.4	195	200	99	96	W	2	Calm	0	10	0	76	—	25
7	29.05	29.35	34.1	35.4	41.5	33.2	0.1	0.4	195	200	99	96	SE	1	S	1	10	0	76	—	25
8	29.70	29.62	51.3	51.1	53.0	41.7	1.3	1.1	344	347	91	92	NE	1	NW	2	10	0	76	—	29
9	30.07	30.02	36.2	42.1	42.5	31.0	0.3	0.2	208	264	97	98	W	1	WNW	2	2	0	76	—	29
10	29.76	29.62	51.3	51.1	53.0	41.7	1.3	1.1	344	347	91	92	S	2	SW	2-4	8	10	76	—	29
11	29.55	29.61	50.0	45.4	51.7	45.2	0.1	0.4	358	294	99	97	SSW	4	SSW	3	10	10	76	—	29
12	29.82	29.89	39.8	39.8	46.7	38.0	1.4	0.7	217	230	89	95	SSE	2	SSE	3	10	10	76	—	29
13	30.07	30.20	41.0	41.0	43.0	39.0	0.5	1.9	246	217	96	85	SE	1-2	SE	1	10	10	76	—	29
14	29.24	29.23	37.4	41.0	42.3	30.3	0.4	1.6	215	223	96	87	NE	3	ESE	3	10	10	76	—	29
15	30.22	30.03	37.6	39.0	41.2	36.8	1.7	2.0	193	199	85	84	NNE	2	SSE	3-4	7	10	76	—	29
16	29.98	29.75	34.4	35.6	43.5	34.4	1.4	0.5	171	199	85	96	ENE	3	ESE	3	10	10	76	—	29
17	29.48	29.41	38.0	38.0	41.9	35.0	0.0	0.0	228	228	100	100	E	2	ESE	3-4	10	10	76	—	29
18	29.18	29.14	37.0	30.0	42.1	30.0	0.2	0.0	216	167	98	100	NE	3	N	2	10	10	76	—	29
19	28.92	28.93	33.2	29.0	39.0	26.8	0.0	1.0	190	114	100	79	WNW	2	NW	1	10	2	76	—	29
20	29.23	29.23	40.0	38.0	39.1	24.8	0.1	0.7	157	139	98	87	SSW	3	NW	2	7	3	76	—	29
21	29.56	29.33	18.7	33.0	37.9	16.3	0.0	0.0	102	188	100	100	W	3	WNW	3	4	3	76	—	29
22	28.64	28.60	36.0	45.7	46.6	31.0	0.0	0.6	212	293	100	96	SE	1	S	3-4	0	0	76	—	29
23	28.72	28.93	46.5	42.0	51.3	41.9	0.0	0.4	317	258	100	97	SW	3	NW	2	10	10	76	—	29
24	29.30	29.47	33.8	30.1	45.9	29.9	0.0	0.0	194	168	100	100	S	1	NW	2	10	10	76	—	29
25	29.45	29.66	39.2	36.9	48.7	29.9	0.4	1.3	232	194	96	89	SE	2	S	1	10	10	76	—	29
26	29.39	29.46	48.0	49.0	53.0	36.0	1.0	1.0	309	322	93	93	WSW	3	W	1	3	10	76	—	29
27	29.54	29.38	49.2	52.2	52.3	47.9	0.5	0.4	337	380	97	98	SW	3	WSW	3-4	2	8	76	—	29
28	29.31	29.42	48.5	47.9	54.0	47.3	2.5	2.9	280	264	82	80	WSW	2-3	S	2-3	9	10	76	—	29
29	29.92	30.06	32.0	32.9	48.3	30.6	0.0	0.5	182	177	100	95	WNW	3	NW	5-6	7	10	76	—	29
30	30.12	30.01	40.0	45.3	47.0	30.3	0.8	2.2	230	252	94	84	W	1	Calm	0	4	7	76	—	29
31	29.84	30.04	46.0	41.2	49.5	39.0	3.9	2.5	227	209	74	81	SSW	1	SW	2	9	10	76	—	29
													WSW	3	WSW	2	0	0	76	—	32
M.	29.415	29.421	38.6	39.5	45.9	34.3	0.8	1.0	225	228	94	92	2.2	2.4	7.2	6.5	4.02	—	31.6		

CAMBRIDGE, a.—DECEMBER 1909.

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	29.25	28.92	39.8	43.5	45.2	38.2	1.0	2.2	225	235	92	82	SE	2-3	W	6-7	10	9	19	Overcast. • 10.30a.-3p.
2	29.31	28.78	37.8	52.2	52.2	36.5	0.8	1.0	210	303	93	93	WSW	3	SW	6	8	10	0	* 3p.-8p.
3	28.53	28.44	41.2	40.0	54.0	39.0	3.9	2.1	184	205	71	83	SW	9-10	W	4-5	5	0	0	* a. Sunny day.
4	28.74	28.77	37.7	34.0	41.1	33.0	0.7	0.5	212	186	94	95	SE	3	NW	2	10	0	0	Overcast. * 6p.-7p.
5	29.09	29.09	31.5	35.0	43.8	29.0	0.5	0.6	165	192	93	94	SW	1	Calm	0	4	10	0	Sunny day.
6	29.00	29.00	36.0	30.0	38.0	29.4	0.0	0.0	212	167	100	100	SSE	1	Calm	0	10	0	0	Overcast day.
7	29.19	29.40	32.9	34.2	35.0	29.9	0.0	0.2	187	194	100	98	Calm	0	W	3	10	0	0	Overcast day.
8	29.81	30.11	33.0	31.2	41.0	30.0	2.0	0.2	147	171	78	97	W	2	W	2	6	10	0	Sunny 9a.-3p.
9	30.31	30.26	26.7	39.0	42.0	25.0	0.0	1.3	145	212	100	90	S	1	S	2	6	10	0	Sunny a. = after 6p.
10	30.07	29.92	46.0	47.0	49.0	38.2	1.0	0.5	287	311	93	97	S	3	S	4	10	10	0	Overcast. • 3p.-9p.
11	29.84	29.88	47.0	42.0	48.1	41.9	0.6	0.9	308	247	96	93	S	3	SE	2	10	10	0	Overcast day.
12	29.99	30.02	38.0	42.0	42.4	36.9	1.1	0.1	206	265	90	99	ESE	2	NE	2	10	10	0	Overcast day.
13	30.22	30.22	35.4	40.0	43.0	39.0	1.0	1.1	246	224	92	91	E	2	N	2-3	8	10	0	Overcast day.
14	30.38	30.38	40.0	39.0	41.0	34.2	1.1	0.6	221	226	91	95	SSE	3-4	E	2-3	8	10	0	Overcast day.
15	30.36	30.19	38.0	36.0	40.0	35.0	2.0	1.0	190	193	83	91	NE	4	N	2	10	10	0	Overcast day.
16	30.14	29.95	35.1	38.2	39.0	34.0	1.0	0.2	185	226	90	98	NE	1	NE	1	10	10	0	Overcast. • after 3p.
17	29.66	29.66	34.0	39.9	40.9	38.0	0.4	0.0	233	246	97	100	E	2	Calm	0	8	0	0	Overcast day.
18	29.23	29.23	40.0	39.0	44.0	34.0	1.3	0.2	212	193	90	98	W	4	Calm	0	8	0	0	Sunny 11a.-3p.
19	29.23	29.23	40.0	39.0	44.0	34.0	1.3	0.2	212	193	90	98	W	4	Calm	0	8	0	0	Overcast, with •.
20	29.41	29.41	39.0	37.0	41.0	34.0	0.6	0.2	184	177	93	97	SE	2	W	2	0	0	0	Sunny 9a.-3p.
21	29.76	29.64	22.4	34.1	36.4	21.2	0.0	1.6	120	165	100	83	SW	1	SE	2	4	10	0	Sunny 11a.-3p. ☐ 5.30p.
22	28.87	28.86	41.8	50.1	52.0	34.0	0.3	1.0	258	336	98	93	SE	2-3	S	4	10	0	0	* a. • after 8a.
23	28.98	29.04	50.0	49.0	53.0	48.0	1.0	1.0	334	322	93	93	SE	1	S	2	10	0	0	Overcast most of day.
24	29.46	29.46	36.4	30.0	49.0	29.0	0.4	0.0	207	167	96	100	SW	2	Calm	0	8	0	0	Sunny 9.30a.-3.30p.
25	29.70	29.70	35.5	35.2	43.5	28.0	0.3	1.2	202	182	97	88	S	2-3	SW	2	10	0	0	* 9a. - 8.15a. Sunny.
26	29.63	29.63	47.0	46.0	52.8	33.8	1.0	1.1	300	285	93	92	S	4	SW	2	10	0	0	Overcast a. Sunny till 3p.
27	29.76	29.76	47.0	50.0	52.0	45.0	0.6	0.1	308	367	96	100	SW	1	SW	2	10	0	0	* 2p.-3p. • 4.30p.
28	29.50	29.46	51.0	47.0	53.0	46.0	1.7	2.0	331	275	88	86	WSW	4	WSW	6-7	7	10	0	Cloudy day.
29	30.01	30.27	41.0	29.5	47.9	29.5	2.0	0.0	215	164	84	100	NW	3	Calm	0	0	0	0	Sunny till 2.30p.
30	30.35	30.28	32.5	41.2	42.4	27.4	0.5	1.2	174	233	94	91	S	1	S	2	9	10	0	* 7a. Cloudy.
31	30.02	30.17	45.1	40.4	50.2	36.0	1.0	1.4	276	222	92	89	SW	1	SW	2	9	10	0	Sunny 9.30a.-2p.
M.	29.606	29.605	38.4	39.1	44.8	34.0	0.9	0.8	220	229	92	93	2.4	2.3	7.6	6.3	2	2	2	2

SOUTHAMPTON, HAMPSHIRE, a.—DECEMBER 1909.

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.	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.	45.2	45.2	50.3	39.9	1.1	0.7	27.5	21.3	92	71	5	1.35	—	31	• a. — at times p.
2	29.29	29.07	45.2	45.2	50.3	39.9	1.1	0.7	27.5	21.3	92	71	5	1.35	—	31	• from 11 a. — at times.
3	29.34	28.79	43.0	42.3	52.1	41.9	2.0	0.7	23.4	37.1	84	95	6	1.50	—	35	• 11 a. Sunshine and cloud.
4	28.77	28.84	43.0	42.3	52.5	40.9	3.9	3.2	19.9	20.6	72	77	7	1.50	—	35	T n. • 4 a. — 6 a.
5	28.64	28.84	42.5	42.3	52.5	40.9	3.9	3.2	19.9	20.6	72	77	7	1.50	—	35	• till 3 p. • till 8 p. K p.
6	29.11	28.99	31.5	38.3	46.0	29.3	0.2	0.4	17.3	22.3	98	97	5	1.10	—	23	• a. • 5 p. — 7 p.
7	29.06	29.06	32.0	36.0	45.0	31.6	0.1	0.6	18.0	20.1	99	95	5	1.10	—	23	• a. Fine.
8	29.47	29.47	34.5	38.2	39.0	32.4	0.5	1.8	19.0	19.5	95	85	5	1.10	—	23	• a. and p. Fine.
9	29.87	29.87	33.0	31.4	42.0	30.6	0.9	0.4	16.9	16.7	90	95	5	1.10	—	23	• a. — from 7 p.
10	29.33	29.27	30.4	44.9	45.1	26.6	0.4	1.4	15.9	26.6	94	90	5	1.10	—	23	• all day.
11	29.10	29.04	48.3	47.9	49.5	44.7	0.3	0.8	33.1	31.2	98	95	5	1.10	—	23	• till 7 p.
12	29.81	29.80	46.9	43.6	48.5	43.0	0.8	1.6	30.1	24.8	95	87	5	1.10	—	23	• Dull and misty. • 7 p. — 10 p.
13	29.91	29.94	36.0	38.2	43.8	35.5	1.6	0.4	18.2	22.2	86	97	5	1.10	—	23	• Dull and overcast.
14	30.13	30.23	42.5	40.9	43.5	38.0	0.4	1.8	26.3	21.8	97	86	5	1.10	—	23	• Fine, but with cold wind.
15	29.22	29.25	39.4	38.0	42.1	37.1	1.9	1.8	20.5	19.4	85	95	5	1.10	—	23	• • (sleet) • 5 p. — 10 p.
16	29.08	29.08	38.2	33.0	38.9	32.8	2.6	0.7	18.1	17.3	79	92	5	1.10	—	23	• • (sleet) • a. • 2 p. — 8 p.
17	29.04	29.05	33.0	42.9	42.9	31.9	0.9	0.9	16.9	25.0	90	93	5	1.10	—	23	• Misty, with •.
18	29.54	29.54	43.8	40.0	45.1	39.8	0.7	0.4	26.9	23.9	95	97	5	1.10	—	23	• Fine.
19	29.33	29.33	41.7	33.4	42.0	33.2	1.0	0.1	20.7	18.9	91	95	5	1.10	—	23	• • 1 p.
20	29.49	29.49	38.3	33.9	41.1	25.6	0.9	0.2	13.8	15.5	85	96	5	1.10	—	23	• a. and p. Fine.
21	29.74	29.74	29.4	39.0	40.0	23.0	0.4	4.2	13.0	16.1	92	69	5	1.10	—	23	• Fine. • (sleet) from 9 p.
22	28.86	28.86	50.3	51.2	52.9	35.2	0.2	0.9	35.9	35.3	99	94	5	1.10	—	23	• till 7.30 a.
23	28.97	28.97	50.0	49.0	52.0	48.4	0.6	0.8	34.5	32.7	96	94	5	1.10	—	23	• Dull, with • showers
24	29.48	29.48	36.5	34.0	49.6	33.7	0.4	0.5	20.8	18.6	96	95	5	1.10	—	23	• a. and p. Fine.
25	29.77	29.77	39.0	38.0	47.1	28.8	0.4	1.2	23.0	20.4	97	89	5	1.10	—	23	• • Fine. • 7 p.
26	29.68	29.68	48.4	48.2	53.0	37.3	0.3	1.1	33.1	31.0	98	93	5	1.10	—	23	• • till 10 a.
27	29.78	29.78	50.9	50.9	51.1	47.8	0.9	0.6	34.9	35.7	94	96	5	1.10	—	23	• Dull. • showers p.
28	29.61	29.61	50.0	48.6	53.0	48.4	1.1	3.0	33.2	27.1	92	79	5	1.10	—	23	• Fine, but cloudy.
29	30.05	30.05	40.1	35.0	49.0	34.7	2.0	0.9	20.8	18.6	84	91	5	1.10	—	23	• Fine.
30	30.36	30.36	43.1	43.0	43.2	29.9	0.4	1.0	18.8	25.7	96	92	5	1.10	—	23	• Dull, with •.
31	30.13	30.21	47.4	41.0	52.1	40.8	0.9	1.6	30.6	22.3	94	87	5	1.10	—	23	• • showers 7 a. — 9 a.
M.	29.613	29.613	40.1	40.8	46.7	35.7	1.0	1.3	23.4	23.3	92	90	5	1.10	—	23	

PLYMOUTH, DEVONSHIRE, a.—DECEMBER 1909.

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	29.23	29.22	47.6	48.6	53.8	45.0	0.3	4.9	32.3	23.3	98	68	WNW	11	W	22	10	4	33	—	41	Dull, with • showers.
2	29.31	28.75	53.0	52.0	53.0	44.9	0.2	0.7	39.7	36.9	99	95	—	3	WSW	34	10	5	43	—	42	Dull, with • showers.
3	28.84	29.02	44.6	43.6	53.6	41.6	3.4	2.8	22.2	22.4	75	79	W	15	SW	15	9	5	15	3.4	38	Frequent • showers.
4	28.64	28.86	41.2	39.0	46.2	39.0	1.9	1.6	21.8	20.7	85	87	WNW	14	WSW	4	9	2	06	2.5	34	Fine generally. • showers.
5	29.03	28.93	34.8	37.6	43.2	28.9	1.7	1.0	16.8	20.6	83	91	NE	4	N	1	6	4	07	0.8	26	Dull, with T.
6	28.99	29.04	37.6	38.2	44.6	31.5	1.2	0.5	20.2	22.0	90	96	N	4	NW	6	4	0	03	1.5	28	Dull, with • showers.
7	29.21	29.32	37.6	35.8	40.6	35.1	2.3	1.6	18.2	18.8	80	87	N	5	N	5	6	0	01	0.7	31	Dull and cold.
8	29.86	30.13	32.7	33.6	43.6	30.5	0.3	0.6	18.0	18.1	97	93	—	0	—	1	0	0	51	0.4	21	Fine, but cold. —
9	30.24	30.19	32.8	48.0	49.0	28.8	0.8	0.0	17.0	33.5	91	100	—	3	SW	16	7	∞	77	0.5	23	Dull. Rough n.
10	30.02	29.84	50.7	51.6	51.8	47.8	0.2	0.4	36.6	37.2	99	97	SW	21	SW	18	10	10	63	0.5	27	Frequent • showers.
11	29.65	29.65	50.8	47.9	52.3	47.6	0.0	0.3	37.1	32.5	100	98	SSW	16	WSW	9	10	10	05	0.5	37	Dull, with •.
12	29.82	29.92	42.6	41.6	47.9	37.2	2.8	8.8	21.5	19.0	80	74	E	10	NE	6	7	10	05	0.5	37	Dull and cold.
13	30.03	30.17	43.4	43.0	45.5	37.5	1.6	2.3	24.7	22.8	87	82	NE	6	NE	6	4	10	05	0.5	37	Intermittent sunshine.
14	30.13	30.14	39.0	40.0	44.0	37.1	2.5	2.4	19.0	20.0	81	81	ENE	10	E	13	3	0	07	0.5	37	Fine, but with cold wind.
15	30.16	30.03	38.8	37.7	40.2	36.2	3.3	3.1	17.5	16.9	75	75	E	8	NE	6	10	10	07	0.5	37	Gloomy, with cold wind.
16	29.91	29.74	34.6	37.8	38.0	33.2	0.8	0.2	18.5	22.2	93	98	NE	8	—	1	10	10	04	2.8	37	△ a. • (sleet) p.
17	30.16	30.03	38.8	37.7	40.2	36.2	3.3	3.1	17.5	16.9	75	75	E	8	NE	6	10	10	07	0.5	37	Dull and very cold.
18	29.91	29.74	34.6	37.8	38.0	33.2	0.8	0.2	18.5	22.2	93	98	NE	8	—	1	10	10	04	2.8	37	△ a. • (sleet) p.
19	30.16	30.03	38.8	37.7	40.2	36.2	3.3	3.1	17.5	16.9	75	75	E	8	NE	6	10	10	07	0.5	37	△ a. • (sleet) p.
20	29.91	29.74	34.6	37.8	38.0	33.2	0.8	0.2	18.5	22.2	93	98	NE	8	—	1	10	10	04	2.8	37	△ a. • (sleet) p.
21	29.59	29.16	35.0	41.6	41.6	26.5	2.2	0.0	16.0	26.3	79	100	E	8	SE	25	4	10	07	0.7	20	* n. Dull. • shower noon.
22	28.80	28.80	50.6	52.6	53.0	41.6	0.0	0.7	36.9	37.7	100	95	S	16	SSW	14	10	10	07	0.7	20	Fine, but with cold wind.
23	28.88	29.15	50.8	49.6	52.6	43.7	0.5	1.3	35.9	32.2	96	91	W	19	WNW	13	9	10	03	0.6	47	Fine, but cold.
24	29.45	29.65	35.0	40.8	49.6	33.0	0.0	3.2	20.4	19.3	100	76	—	1	—	0	10	10	03	0.6	47	Dull. Rough n.
25	29.74	29.74	35.0	40.8	49.6	33.0	0.0	3.2	20.4	19.3	100	76	—	1	—	0	10	10	03	0.6	47	Dull, with high wind.
26	29.74	29.74	35.0	40.8	49.6	33.0	0.0	3.2	20.4	19.3	100	76	—	1	—	0	10	10	03	0.6	47	Dull, with • showers.
27	29.74	29.74	35.0	40.8	49.6	33.0	0.0	3.2	20.4	19.3	100	76	—	1	—	0	10	10	03	0.6	47	• a., then fine.
28	29.62	29.71	49.8	49.8	52.8	48.7	1.2	2.6	32.8	29.3	91	82	SSW	10	NW	17	10	10	08	1.1	46	• showers.
29	30.02	30.18	45.8	45.3	49.8	45.2	1.8	4.7	26.7	20.5	87	68	—	2	—	0	8	10	08	1.1	46	Dull and gloomy.
30	30.27	30.27	43.7	47.6	48.2	43.1	1.5	2.4	25.1	27.3	88	83	—	1	SW	6	8	10	08	1.1	46	Dull, with •.
31	30.11	30.26	43.0	42.6	52.8	42.4	0.7	2.2	33.0	22.7	95	84	W	10	—	3	8	10	08	1.1	46	Fine and mild.
M.	29.560	29.579	42.2	42.9	47.5	38.1	1.2	1.7	25.2	25.1	90	88	—	8	—	9	7.7	6.9	6.14	51	35.2	Dull.

* Miles per hour.

† Beaufort Scale (0—12).

ARMAGH, a.—DECEMBER 1909.

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
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OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (PHENIX PARK), a.—DECEMBER 1909.

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.	°	°	°	°	°	°	in.	in.	%	%	*	*							
2	28.90	29.09	43.7	41.7	48.0	39.4	0.9	2.4	265	215	92	82	SW	9	W	13	10	1	ins.	hrs.	°
3	29.08	28.22	41.7	43.5	51.6	37.3	1.3	2.0	237	240	90	84	W	4	SW	12	10	8	0.18	2.5	36
4	28.63	71	37.8	37.4	44.0	33.8	1.8	1.6	192	192	85	86	W	12	WSW	12	8	0	590	—	32
5	64	82	30.6	32.8	37.4	28.7	0.4	0.7	160	173	94	92	W	4	W	5	10	0	200	3.8	31
6	92	28.87	31.7	32.9	39.2	27.8	0.9	0.3	157	182	88	97	—	2	—	5	10	0	—	—	23
7	28.84	29.05	38.2	31.5	38.7	30.9	1.8	1.0	195	154	85	86	NE	6	WNW	4	10	0	600	3.5	20
8	29.22	29.53	28.6	32.8	34.6	25.1	0.4	0.4	148	178	94	96	WSW	6	W	4	10	0	285	—	30
9	85	30.03	32.7	32.2	38.2	25.2	0.6	0.5	174	172	93	94	WSW	9	WSW	4	10	0	—	—	21
10	94	29.77	42.0	52.7	52.7	28.5	2.3	2.7	220	326	83	82	SW	16	SW	20	10	0	—	—	43
11	63	51	53.8	52.3	55.7	51.7	2.0	1.4	359	354	87	90	SW	19	SW	4	10	0	155	—	23
12	48	29.56	48.8	47.5	53.7	45.0	0.9	0.4	323	318	93	97	—	1	—	3	10	0	072	0.1	48
13	29.82	30.02	46.4	42.8	49.0	42.6	0.7	1.3	299	247	95	90	ESE	6	ENE	6	10	0	090	—	40
14	30.14	28	46.1	44.4	46.6	42.1	2.9	2.5	247	238	79	81	E	7	NE	5	10	0	005	0.3	41
15	29	31	42.9	43.6	45.8	40.9	1.7	2.8	239	224	87	79	E	6	ENE	12	7	10	—	—	35
16	28	30.17	42.0	41.6	43.9	40.7	4.1	4.7	188	175	71	67	E	13	ENE	11	10	0	212	—	31
17	30.00	29.80	39.5	40.4	42.3	38.3	3.9	2.7	170	198	70	80	E	8	NE	7	10	0	005	—	39
18	29.56	37	40.9	35.9	41.7	35.8	1.3	1.8	229	178	90	84	NE	9	NNW	8	10	0	012	—	36
19	30	28	35.2	31.0	38.7	30.2	0.4	1.0	200	148	97	85	W	6	—	0	100	0	035	—	35
20	01	22	31.0	23.0	34.3	19.5	0.9	0.5	151	105	86	85	NE	14	W	5	10	0	150	2.1	26
21	36	51	28.0	24.1	30.3	23.0	0.5	0.3	137	118	89	92	WSW	6	WSW	4	10	0	160	—	19
22	29.57	29.07	10.0	34.9	38.2	8.8	1.0	0.8	046	187	67	94	—	0	ENE	15	4	0	5	0	22
23	28.52	28.57	36.6	45.9	46.8	33.9	0.3	0.9	211	288	98	92	—	1	SW	9	8	0	550	0.5	9
24	28.71	29.08	47.7	35.4	46.0	35.1	1.3	0.9	299	195	91	95	—	3	WSW	6	9	0	120	—	32
25	29.33	48	35.5	34.9	41.8	29.9	0.9	0.7	191	189	92	93	—	3	WSW	4	4	0	195	—	31
26	64	43	34.7	44.6	44.7	33.8	0.9	1.7	184	256	92	87	WSW	8	S	11	0	0	073	—	22
27	37	43	34.8	51.9	52.3	43.6	2.2	2.0	302	334	85	87	SW	15	SW	13	9	100	085	3.8	24
28	53	19	50.7	53.8	55.1	46.9	1.9	1.8	322	393	88	87	SW	4	SSW	28	10	10	—	1.4	41
29	26	29.66	47.9	44.4	54.7	43.9	1.5	2.1	296	246	90	84	WSW	16	W	9	6	8	205	—	46
30	29.99	30.07	31.0	43.6	45.2	29.9	0.2	1.7	168	247	96	87	—	1	SW	6	8	0	005	0.7	39
31	30.07	29.87	45.8	49.9	50.8	41.9	1.6	1.7	272	315	89	88	SSW	9	SW	17	8	100	21	2.1	24
	29.94	30.16	44.6	39.3	50.7	36.9	1.9	1.4	252	313	86	89	WSW	9	WSW	6	8	0	005	2.0	36
M.	29.445	29.456	39.2	40.1	45.0	34.6	1.4	1.5	220	225	88	87	7	8	8.3	6.8	3.735	37	30.9	° a. Cloudy.	

BIRR CASTLE, KING'S COUNTY, a.b.—DECEMBER 1909.

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	28.93	29.09	48.9	43.7	50.7	39.8	1.1	2.4	320	233	93	81	WSW	4	W	2	10	10	024	2.0	—	Cloudy, with ● showers.
2	29.04	28.14	41.9	42.2	51.9	38.0	0.6	2.1	253	225	95	85	SSW	2	W	7	10	10	738	—	—	Overcast, with ●.
3	28.67	73	37.6	36.0	44.3	34.8	0.6	0.9	213	195	95	92	W	3	SW	2	10	8	010	1.3	—	Cloudy, with ● showers.
4	63	81	27.2	32.8	40.7	25.4	0.2	0.7	142	173	96	92	Calm	0	Calm	0	3	8	—	5.2	—	—
5	86	28.83	31.7	33.6	37.0	27.2	0.7	0.6	162	181	91	93	Calm	0	W	1	7	10	034	1.6	—	Cloudy, with ● showers.
6	28.87	29.05	32.4	24.6	33.7	22.8	0.3	0.6	179	112	97	84	NW	2	Calm	0	10	10	334	—	—	Overcast, with *.
7	29.18	29.18	30.2	32.2	33.7	19.8	0.2	0.1	129	182	95	99	NNW	1	Calm	0	10	10	052	—	—	Overcast.
8	82	98	28.0	30.8	38.7	24.8	0.1	0.1	150	170	98	99	Calm	0	S	1	3	10	082	4.8	—	—
9	88	74	41.8	53.9	54.7	29.8	0.8	0.6	247	399	94	96	S	2	SW	3	10	10	240	—	—	Overcast, with ●.
10	58	40	33.9	52.2	54.7	51.0	2.0	0.3	359	382	87	98	SW	2	SE	2	10	10	132	—	—	Overcast, with ● showers.
11	39	45	50.5	50.9	54.5	49.1	0.6	1.3	352	340	95	91	S	2	Calm	0	10	10	—	1.2	—	Cloudy.
12	29.71	29.94	49.9	45.5	52.0	44.6	1.0	0.6	333	292	93	96	S	2	S	1	10	10	061	0.1	—	Overcast, with ● showers.
13	30.06	30.21	44.7	43.7	45.7	40.0	0.7	1.6	279	249	94	87	E	1	S	2	10	10	—	0.3	—	Overcast and gloomy.
14	22	21	39.1	44.7	45.7	38.6	0.4	1.6	231	259	97	88	NE	2	NE	4	4	10	—	5.5	—	—
15	30.22	30.12	39.7	39.9	45.0	36.8	2.1	2.2	203	203	83	83	ESE	3	E	2	6	10	016	0.3	—	Cloudy.
16	29.97	29.78	37.2	37.0	41.8	36.1	0.3	0.2	216	216	97	98	NE	2	NE	3	10	10	—	—	—	Overcast.
17	55	41	37.3	34.2	39.7	34.2	1.2	0.6	199	186	90	94	NNE	2	N	3	10	10	007	—	—	Overcast.
18	30	26	36.7	33.7	37.8	30.0	0.7	0.6	204	182	94	93	Calm	0	Calm	0	7	7	192	3.4	—	● showers a.
19	05	23	28.8	26.0	33.7	24.1	0.7	0.2	138	134	87	95	N	3	N	2	10	10	010	3.1	—	* a. ☒
20	37	46	23.6	20.8	30.7	19.8	0.6	0.2	106	105	84	94	W	2	Calm	0	4	6	012	3.7	—	☒ ☒ ☒ Cloudy.
21	29.43	29.03	12.8	35.1	36.8	12.8	0.0	0.1	107	203	100	99	SW	2	SSE	7	4	10	454	1.1	—	☒ ☒ ☒ ● showers p.
22	28.48	28.51	41.1	41.9	45.7	34.4	0.1	0.6	256	253	99	95	S	2	S	1	10	6	436	—	—	Overcast, with ●.
23	28.68	29.08	43.9	33.8	46.2	32.8	0.3	0.4	280	186	98	95	NW	2	W	2	10	6	090	0.1	—	Overcast, with ● showers.
24	29.33	29.33	33.0	32.8	45.7	31.6	0.0	0.3	188	181	100	97	SW	1	Calm	0	1	7	013	4.6	—	—
25	62	36	32.9	44.9	45.8	32.2	0.4	1.0	179	275	96	93	Calm	0	SSW	3	3	10	187	2.2	—	Overcast, with ●.
26	38	44	49.6	50.9	52.8	43.8	1.7	1.0	313	348	88	93	WSW	2	W	3	10	10	010	—	—	Overcast and mild.
27	44	12	49.6	54.9	56.0	46.8	0.7	1.2	337	397	95	93	SW	2	S	6	10	10	386	—	—	Overcast, with ● showers.
28	29	29.68	48.7	45.9	54.9	44.8	1.7	1.7	301	271	88	89	WSW	3	WSW	2	10	4	020	0.3	—	Overcast, with ● showers.
29	29.89	30.01	40.1	44.0	46.8	33.8	0.2	1.0	244	265	98	92	Calm	0	SSE	2	10	10	011	0.3	—	● showers.
30	30.01	29.84	46.1	50.1	51.0	42.1	1.1	0.4	286	352	92	97	SSW	3	S	2	9	10	148	2.8	—	Cloudy, with ●.
31	29.94	30.14	42.2	42.0	50.7	36.9	1.1	0.4	245	258	91	97	SW	2	Calm	0	3	10	—	3.5	—	Cloudy.
M.	29.412	29.420	38.6	39.8	45.1	34.2	0.7	0.8	230	239	94	93	1.7	2.0	7.9	9.1	3.699	47	—	—	—	—

* Miles per hour.

† Beaufort Scale (0-12).

RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—DECEMBER 1909.

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. 138 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	29, 9	26, 6	26, 29	9	19, 10	17, 16	27, 6	27, 8	17, 16	13	23, 8	22, 10	22, 9	29, 15	—	31	21. 5	
2	19, 9	14, 11	20, 16	6	24, 7	—	—	11, 23	—	—	27, 10	25, 8	17, 18	19, 12	—	44	19. 30	
3	3, 27	31, 25	4, 31	11	26, 31	26, 23	24, 13	24, 10	26, 31	9, 11	24, 33	25, 26	24, 18	24, 17	—	65	4. 50	
4	26, 22	28, 12	28, 23	10, 11	22, 4	—	3	28, 12	27, 10	12	19, 11	20, 13	26, 9	27, 11	—	44	12. 5	
5	23, 12	25, 12	23, 16	15	23, 7	24, 8	23, 6	—	3	24, 10	24, 8	22, 7	19, 7	—	—	23	0. 55	
6	21, 10	21, 6	20, 18	5	28, 10	6, 12	24, 5	—	6	15	—	2	25, 7	22, 4	—	3	2. 50	
7	23, 12	26, 9	29, 20	19	3, 7	31, 11	30, 12	28, 12	30, 14	17	24, 5	24, 6	27, 10	24, 7	—	17	23. 25	
8	20, 10	25, 12	30, 14	1	—	1	23, 9	23, 8	26, 24	10	28, 12	30, 9	28, 10	28, 7	—	38	2. 50	
9	16, 29	16, 26	16, 32	15	19, 10	16, 15	19, 19	17, 21	19, 23	20	19, 8	26, 5	20, 9	18, 10	—	28	23. 35	
10	28, 11	30, 14	16, 23	4	19, 21	21, 19	19, 12	19, 12	19, 21	1, 2, 9, 13	16, 14	19, 12	20, 15	19, 13	—	36	6. 40	
11	6, 23	7, 24	3, 4, 5, 6	26	18, 19	18, 8	16, 9	17, 14	17, 14	21	18, 10	18, 9	17, 9	16, 11	—	31	0. 45	
12	14, 17	14, 21	14, 24	16	12, 12	10, 10	7, 15	7, 13	7, 15	18, 19	10, 17	8, 19	7, 23	8, 23	—	29	15. 40	
13	15, 18	15, 17	15, 23	5, 17, 19	7, 15	8, 10	8, 8	8, 10	6, 17	5	9, 18	8, 19	8, 23	8, 23	—	28	4. 55	
14	16, 14	16, 10	16, 18	1	6, 11	7, 12	6, 13	7, 14	7, 17	22	8, 27	6, 29	7, 32	7, 34	—	40	20. 50	
15	14, 13	13, 8	14, 15	4	7, 15	6, 15	6, 10	5, 20	5, 21	19	7, 32	5, 32	7, 29	8, 21	—	41	1. 5	
16	—	—	14, 11	7	7, 13	7, 11	8, 10	9, 10	5, 15	21	9, 15	10, 11	9, 15	9, 15	—	20	4. 5	
17	4, 16	1, 25	1, 28	16	8, 12	7, 11	5, 15	5, 15	5, 15	11	8, 18	12, 12	12, 13	12, 7	—	22	9. 0	
18	32, 17	29, 21	27, 26	21	30, 13	28, 15	26, 11	—	128, 10	11	28, 11	26, 16	24, 10	24, 9	—	35	6. 50	
19	30, 34	—	126, 30	22	—	31, 10	—	—	—	—	11, 11	17, 13	22, 8	22, 9	—	29	16. 55	
20	38, 17	24, 10	128, 40	9	23, 10	24, 12	24, 12	23, 12	—	—	24, 14	24, 12	23, 10	24, 7	—	30	4. 25	
21	18, 14	18, 18	131, 30	1	25, 6	25, 4	18, 8	18, 8	—	—	24, 7	24, 5	11, 12	12, 28	—	46	23. 55	
22	10, 41	10, 32	10, 41	13	11, 34	17, 15	15, 12	17, 12	11, 43	7	13, 42	18, 12	16, 12	16, 10	—	63	0. 15	
23	25, 10	25, 12	25, 16	23	19, 15	16, 5	24, 4	24, 6	18, 18	10	18, 10	16, 10	20, 10	18, 8	—	31	15. 20	
24	19, 18	21, 25	22, 26	21	23, 9	23, 9	23, 10	22, 12	22, 12	21	25, 7	25, 7	—	3	24, 4	—	25	2. 40
25	24, 12	19, 15	21, 28	1	19, 10	27, 10	23, 8	20, 6	18, 14	7, 8	19, 8	22, 10	25, 13	24, 7	—	26	9. 55	
26	20, 24	26, 18	15, 37	4	20, 13	20, 17	19, 13	19, 10	16, 19	3, 5	19, 12	21, 15	22, 12	22, 13	—	34	7. 30	
27	—	2, 12	11, 34	24	—	2	11, 15	11, 23	11, 23	20, 21	21, 7	23, 5	—	3	16, 9	—	26	1. 30
28	32, 38	32, 32	32, 38	13	19, 6	20, 12	20, 10	30, 21	30, 24	22	22, 16	23, 17	22, 17	25, 18	—	36	4. 50	
29	3, 2	14, 10	30, 23	1	32, 10	27, 7	—	3, 21	31, 18	4	31, 10	30, 10	29, 4	28, 6	—	50	3. 10	
30	15, 26	15, 32	15, 34	16	19, 12	19, 12	18, 22	13, 10	18, 22	18	—	3	20, 4	20, 5	18, 7	—	15	23. 45
31	23, 18	24, 18	23, 24	20	23, 11	23, 15	26, 16	24, 10	19, 18	2	18, 16	25, 19	26, 12	27, 12	—	35	7. 55	

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 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	—	22	—	47	14. 5	—	13	—	22	—	49	23. 55	25, 47	24, 51	25, 48	26, 35	—	66	15. 25	
2	—	15	—	30	22. 0	—	10	—	7	—	26	23. 55	23, 36	23, 36	22, 44	24, 40	—	70	20. 35	
3	—	15	—	11	0. 25	—	28	—	28	—	16	1. 45	25, 43	25, 42	24, 34	24, 30	—	75	0. 50	
4	—	17	—	7	5. 20	—	29	—	20	—	11	10. 10	23, 31	28, 25	25, 27	26, 16	—	56	6. 15	
5	—	4	—	3	14. 30	—	5	—	3	—	4	2. 30	19, 7	24, 22	25, 18	23, 20	—	35	13. 30	
6	—	10	—	4	17. 0	—	8	—	9	—	7	33	23, 23	24, 22	29, 27	29, 20	—	44	14. 55	
7	—	4	—	4	30	—	2	—	4	—	8	0. 50	30, 11	28, 22	29, 24	28, 25	—	51	18. 55	
8	—	3	—	4	15. 10	—	18	—	21	—	9	12. 50	28, 19	29, 20	29, 11	27, 6	—	37	10. 35	
9	—	17	—	15	30. 25	—	9	—	0	—	0	25	18, 19	18, 20	18, 23	19, 20	—	34	14. 35	
10	—	21	—	20	13. 30	—	26	—	26	—	23	20. 5	18, 22	18, 20	16, 20	16, 20	—	34	6. 25	
11	—	12	—	11	0. 20	—	20	—	17	—	9	2. 15	17, 6	16, 5	—	2	—	25	1. 5	
12	—	6	—	6	7. 55	—	8	—	5	—	15	18. 25	9, 19	9, 20	7, 18	6, 11	—	25	10. 30	
13	—	8	—	7	8. 5	—	9	—	15	—	20	16. 30	6, 22	6, 21	6, 19	6, 14	—	30	9. 10	
14	—	14	—	16	22. 45	—	21	—	23	—	17	22. 20	6, 11	7, 21	5, 20	5, 24	—	42	22. 15	
15	—	9	—	10	3. 30	—	25	—	20	—	17	3. 35	6, 20	6, 21	6, 20	7, 16	—	41	0. 10	
16	—	5	—	3	8. 55	—	13	—	3	—	0	8. 25	8, 18	7, 10	—	3	—	28	8. 30	
17	—	6	—	3	17. 30	—	5	—	10	—	5	13. 25	—	1	29, 14	30, 19	—	35	22. 55	
18	—	6	—	3	3. 10	—	17	—	9	—	6	6. 55	28, 18	29, 14	27, 7	22, 6	—	32	0. 15	
19	—	13	—	10	9. 50	—	17	—	26	—	13	14. 40	22, 21	26, 28	30, 26	30, 19	—	41	15. 10	
20	—	0	—	1	0. 30	—	12	—	13	—	6	1. 20	30, 5	—	2	1, 4	8, 8	—	26	1. 45
21	—	22	—	25	19. 55	—	0	—	0	—	15	20. 55	10, 34	11, 43	10, 45	13, 45	—	59	22. 25	
22	—	16	—	17	1. 55	—	35	—	21	—	19	8. 30	14, 21	16, 24	17, 18	18, 17	—	47	0. 15	
23	—	18	—	11	15. 0	—	26	—	29	—	22	10. 15	19, 21	19, 25	25, 29	27, 16	—	40	15. 50	
24	—	0	—	1	0. 0	—	8	—	4	—	0	2. 35	25, 4	27, 6	27, 9	23, 14	—	22	23. 55	
25	—	8	—	4	23. 30	—	12	—	10	—	5	16. 10	20, 16	24, 16	20, 17	18, 20	—	41	23. 30	
26	—	5	—	7	2. 0	—	27	—	25	—	9	6. 50	24, 17	23, 15	23, 15	23, 13	—	42	1. 40	
27	—	15	—	16	23. 45	—	30	—	24	—	22	0. 50	17, 12	20, 22	21, 25	20, 28	—	44	23. 40	
28	—	3	—	0	2. 0	—	0	—	1	—	10	6. 0	24, 23	24, 28	25, 33	26, 31	—	54	1. 25	
29	—	3	—	0	23. 35	—	0	—	1	—	0	0. 55	30, 5	—	2	25, 9	25, 6	—	33	0. 5
30	—	3	—	4	4. 10	—	0	—	1	—	0	—	20, 4	19, 7	19, 12	20, 15	—	27	23. 55	
31	—	13	—	9	—	—	23	—	14	—	12	7. 5	24, 19	27, 18	28, 17	28, 10	—	33	2. 15	

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 23 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	18, 9	27, 4	27, 15	17		18, 15	15, 13	29, 27	27, 25	— 53	16. 20	20, 18	24, 40	25, 40	26, 37	— 66	14. 55
2	— 1	8, 7	21, 12	23		18, 9	15, 10	11, 20	19, 19	— 02	24. 0	22, 11	21, 5	20, 23	23, 30	— 50	20. 50
3	26, 21	25, 10	26, 34	5		27, 41	25, 37	25, 32	26, 19	— 76	4. 50	24, 37	24, 35	24, 43	24, 34	— 69	3. 0
4	— 2	— 2	31, 5	15		15, 5	1, 8	32, 12	32, 7	— 30	2. 15	31, 7	30, 15	31, 18	29, 16	— 34	1. 25
5	— 2	— 1	1, 7	24		24, 5	12, 5	11, 10	9, 9	— 31	4. 25	26, 5	26, 10	12, 10	9, 11	— 26	1. 25
6	1, 4	2, 4	7, 8	3		7, 12	7, 10	7, 7	5, 7	— 20	5. 35	8, 17	6, 16	5, 14	4, 15	— 31	3. 0
7	— 1	32, 4	30, 7	17		8, 4	31, 12	32, 12	31, 9	— 18	13. 20	31, 18	30, 12	31, 12	30, 13	— 26	2. 20
8	— 2	23, 6	26, 11	20		— 3	25, 11	24, 20	27, 16	— 27	19. 40	27, 12	25, 16	26, 23	24, 13	— 30	17. 35
9	17, 9	17, 8	17, 11	14, 15		15, 10	15, 14	15, 16	15, 18	— 26	21. 30	19, 19	18, 25	18, 26	18, 23	— 43	17. 20
10	18, 11	19, 8	18, 11	2, 5, 12, 13		17, 15	18, 16	17, 10	15, 7	— 27	13. 0	18, 23	19, 20	18, 18	16, 14	— 40	2. 40
11	— 2	12, 4	12, 10	21, 22		13, 12	13, 14	12, 15	12, 15	— 24	23. 50	15, 13	15, 13	15, 7	15, 4	— 28	1. 15
12	7, 9	4, 6	7, 11	14		10, 12	10, 10	4, 8	5, 18	— 29	21. 20	26, 6	6, 14	7, 22	8, 16	— 32	18. 55
13	8, 12	8, 10	8, 12	13		7, 12	9, 11	8, 15	5, 10	— 29	0. 10	7, 20	8, 18	8, 18	6, 16	— 34	22. 55
14	6, 11	7, 15	7, 15	10, 15, 20		5, 14	7, 16	7, 10	7, 15	— 33	20. 10	5, 18	5, 31	6, 31	6, 31	— 44	16. 35
15	6, 13	7, 12	7, 14	1		5, 15	5, 16	5, 17	6, 13	— 31	15. 40	8, 23	7, 22	6, 22	6, 23	— 41	4. 15
16	8, 10	8, 10	8, 10	13		8, 8	8, 9	8, 9	7, 13	— 29	1. 40	8, 10	8, 18	8, 22	8, 24	— 37	22. 50
17	4, 6	4, 4	1, 9	23, 24		6, 16	6, 14	1, 13	32, 15	— 24	2. 45	6, 20	6, 16	4, 18	4, 12	— 32	6. 40
18	29, 7	28, 7	2, 9	1		30, 10	32, 11	2, 5	32, 6	— 23	16. 25	29, 12	32, 17	1, 11	— 3	— 33	14. 50
19	5, 10	30, 9	7, 13	8		8, 22	3, 23	32, 16	29, 14	— 43	10. 40	20, 8	2, 40	31, 24	28, 25	— 59	11. 20
20	25, 4	22, 4	25, 8	1, 11, 12		27, 20	26, 24	27, 8	26, 13	— 38	11. 0	26, 27	26, 22	25, 21	26, 21	— 37	9. 25
21	— 3	— 3	9, 10	24		13, 12	12, 10	10, 12	10, 23	— 41	23. 50	28, 4	13, 10	10, 12	10, 14	— 39	23. 0
22	18, 4	16, 14	10, 25	4		11, 14	13, 15	14, 16	15, 9	— 51	4. 5	16, 15	16, 10	19, 15	20, 16	— 48	0. 45
23	21, 4	23, 7	28, 11	19		15, 11	16, 7	28, 19	27, 17	— 24	18. 5	18, 8	19, 11	29, 18	28, 20	— 31	16. 5
24	23, 11	23, 4	23, 12	14		24, 17	24, 17	22, 11	18, 11	— 22	11. 50	24, 15	23, 12	22, 7	21, 9	— 25	3. 40
25	25, 14	— 2	25, 18	11		26, 26	27, 29	21, 12	13, 12	— 45	8. 30	27, 29	24, 20	18, 12	15, 19	— 49	6. 40
26	22, 17	21, 10	22, 17	13		21, 21	22, 21	20, 22	20, 26	— 41	21. 20	18, 17	20, 15	19, 19	19, 20	— 48	0. 25
27	— 1	12, 10	22, 16, 18, 15	1, 2, 20, 24		22, 14	15, 7	13, 17	15, 14	— 36	0. 30	21, 10	16, 10	17, 19	18, 23	— 43	23. 25
28	22, 18	26, 21	22, 24	14, 16		20, 24	21, 35	25, 36	27, 36	— 48	18. 35	19, 22	22, 24	26, 35	30, 27	— 52	16. 50
29	— 0	— 1	31, 10	2		26, 5	8, 5	12, 9	13, 9	— 24	1. 5	— 2	10, 4	16, 7	16, 7	— 32	0. 15
30	— 3	18, 6	18, 9	24		14, 8	15, 11	16, 11	18, 12	— 33	23. 40	19, 12	18, 20	18, 24	18, 23	— 37	23. 55
31	24, 21	21, 8	24, 22	12		23, 26	24, 23	25, 20	24, 15	— 39	7. 5	24, 26	25, 24	26, 23	25, 16	— 50	5. 45

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, 5	— 3	23, 6	7		20, 13	24, 43	24, 34	24, 30	24, 43	13	— 36	— 41	— 32	— *	— 65	12. 55
2	20, 4	7, 10	2, 20	24		22, 7	13, 7	21, 29	21, 26	22, 36	19	— *	— 25	— *	— 36	— 73	24. 0
3	26, 14	24, 8	2, 20	1		23, 29	23, 31	22, 36	24, 34	25, 40	3, 10	— 23	— 22	— 17	— 14	— 57	0. 45
4	— 2	— 2	24, 4	1, 2, 22		27, 11	24, 20	24, 18	25, 14	24, 20	13, 14	— 15	— 20	— 14	— 7	— 25	12. 0
5	— 3	— 2	24, 4	3, 4		— 2	13, 6	— 1	30, 8	23, 14	1	— 5	— 1	— 7	— 12	— 19	21. 10
6	— 2	— 2	— 2	4, 7, 22, 24		7, 15	3, 22	28, 17	25, 18	7, 27	5	— 6	— 22	— 9	— 14	— 29	13. 20
7	— 1	— 1	— 2	1, 5, 10, 12, 20, 24		26, 18	24, 20	24, 20	25, 18	24, 22	11	— 19	— 18	— 15	— *	— 29	11. 0
8	— 2	25, 4	25, 8	17		25, 15	22, 14	23, 21	23, 8	22, 24	15	— *	— *	— *	— *	— *	?
9	18, 14	19, 12	20, 20	23		9, 7	16, 19	17, 18	18, 18	16, 23	16	— 22	— *	— 13	— 10	— 30	11. 40
10	21, 14	21, 4	21, 20	9		19, 22	20, 17	16, 10	14, 7	19, 25	4, 8	— 10	— 6	— 5	— 1	— 17	0. 10
11	7, 14	7, 14	7, 15	5, 10		12, 12	15, 11	12, 4	14, 9	12, 15, 12	9, 16	— 14	— 14	— 12	— 0	— 24	16. 30
12	8, 7	8, 10	8, 11	17		15, 12	16, 6	8, 18	8, 16	8, 20	20	— 7	— 10	— 12	— 7	— 25	14. 45
13	7, 8	8, 8	8, 11	8		8, 20	8, 14	8, 10	7, 11	8, 20	9	— 10	— 16	— 13	— 11	— 35	13. 25
14	8, 9	7, 11	7, 12	5		8, 15	8, 12	7, 26	8, 27	8, 27	19, 20, 21, 22	— 16	— 12	— 10	— 10	— 33	2. 40
15	7, 7	7, 8	8, 9	12, 16		8, 27	8, 21	7, 22	7, 24	8, 31	8	— 11	— 12	— 12	— 13	— 20	3. 20
16	7, 5	8, 6	6, 10	9		9, 25	8, 18	7, 20	7, 22	6, 29	1, 2	— 20	— 23	— 23	— 17	— 33	12. 10
17	7, 6	— 2	7, 12	7		5, 28	2, 21	31, 19	27, 13	5, 31	4	— 2	— 11	— 2	— 14	— 28	0. 25
18	31, 8	28, 5	31, 28, 8	13, 15, 16		25, 19	31, 15	30, 8	— 3	24, 23	10	— 19	— 30	— 18	— 16	— 46	10. 30
19	— 3	30, 9	30, 28, 9	18, 19		3, 42	29, 22	24, 21	24, 21	3, 42	9	— 7	— 10	— 2	— 2	— 20	0. 30
20	26, 10	26, 6	25, 12	12		24, 23	23, 18	22, 19	23, 14	23, 29	3	— 24	— 37	— 44	— 44	— 65	19. 45
21	— 3	14, 5	7, 14	24		— 2	13, 26	12, 37	11, 41	11, 41	21	— 11	— 12	— 10	— 10	— 35	0. 10
22	7, 7	7, 4	8, 15	1, 6		20, 15	27, 16	25, 18	24, 17	19, 21	6	— 6	— 26	— 11	— 6	— 38	11. 55
23	21, 6	26, 6	19, 10	7		24, 15	22, 7	20, 7	18, 7	23, 17	7	— 6	— 3	— 1	— 0	— 28	23. 20
24	21, 11	24, 6	21, 11	13		23, 23	22, 8	16, 16	16, 15	22, 33	5	— *	— 2	— 22	— 33	— 48	20. 45
25	24, 5	19, 9	16, 13	24		22, 32	21, 20	21, 35	22, 38	21, 40	15	— *	— 15	— *	— 9	— 27	0. 30
26	21, 22	21, 15	21, 22	13		18, 9	13, 14	12, 18	18, 28	22, 35	8	— 11	— *	— *	— *	— *	?
27	8, 7	7, 12	23, 18, 15	1, 24		22, 42	24, 32	25, 29	25, 28	22, 46	1	— 0	— 3	— 2	— 4	— 41	12. 50
28	21, 14	32, 10	20, 20	1		26, 5	— 2	— 3	18, 9	24, 21	1	— 16	— 15	— 20	— 20	— 35	2. 10
29	— 3	— 3	19, 7	24		— 3	16, 10	20, 13	16, 14	18, 22	19	— 12	— 23	— 8	— *	— 36	23. 10
30	19, 14	19, 15	21, 17	22		22, 31	24, 26	24, 22	22, 10	23, 40	10						14. 35
31	26, 11	23, 10	24, 14	10, 11													

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 $V^2 = 3.5 B$