

# POSITIONS OF STATIONS OF THE SECOND ORDER AND ANEMOGRAPH STATIONS, 1908.



M.O. No. 192.

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

For the Year 1908,

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 . . . . .												
Plymouth . . . . .												
Dover . . . . .												
Scilly . . . . .												
Stonyhurst . . . . .	12	24	36	48	60	72	84	96	108	120	132	144
Southport . . . . .												
Holyhead . . . . .												
Glasgow . . . . .												
Kingstown . . . . .												
Roche's Point . . . . .												

# 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 monthly and annual summaries which have hitherto formed Parts II. and III. of the annual volumes are not printed in the present volume. They 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 volumes for the years 1905, 1906, 1907 have not yet been issued: that for 1905 is in the Press.



## 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; Stennes, 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. since 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.	T. B. Hewitson and T. E. W. Dobson (for the Northumberland County Council).	—	B. from 1898, A. from 1900, M. from 1902.
Douglas	A. W. Moore, M.A., J.P., C.V.O., and 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. W. E. Manser, R.E.	—	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 Bryan 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)	Major R. W. H. Buckland, R.E., and 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, K.P.).	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 *m* is supplied through the Royal Meteorological Society, and for stations marked *s* through the Scottish Meteorological Society.

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

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

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

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

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

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

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

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

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



**Temperature.**—The maximum and minimum thermometers are read and set at 9 p.m. in all cases.

**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 in the records 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 . . . . . ∇	Lunar Corona . . . . . ☾
Snow Drift . . . . . †	Glazed Frost . . . . . ~	Lunar Halo . . . . . ⊖
Hail . . . . . ▲	Thunderstorm . . . . . ⚡	Rainbow . . . . . (
Soft Hail . . . . . △	Thunder . . . . . T	Aurora . . . . . ☾
Ice Crystals . . . . . <	Lightning . . . . . <	Haze . . . . . ∞
Fog . . . . . ≡	Gale . . . . . /	

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

●<sup>0</sup> slight rain.

●<sup>2</sup> heavy rain.

In giving the time of occurrence of a phenomenon, the "m" of the designations a.m. and p.m. is never 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 . . . . .	H. J. Bracey . . . . .	B.	12	60	73
Great Yarmouth (Gorleston) . . . . .	J. Welsh . . . . .	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 . . . . .	B. Gray, C.E., 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 for each station 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 1908 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 2s. each part.

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

METEOROLOGICAL OFFICE, LONDON, S.W.  
February 20th, 1909.

*ERRATA.*

February. The pages should be numbered "13 to 24," instead of "1 to 12."

Page 13. Deerness :—17th, Wind Velocity, for "23," read "24."

13. Deerness:—18th, Wind Velocity, for "24," read "25."

18. Shrewsbury:—Mean Barometer 9 a.m. and 9 p.m., *for* "29.840, 29.866," *read* "29.846, 29.860."

20. Southampton:—24th, Remarks, for "*∅* (force 10)," read "*∅* (force 10) a."

31. Cheltenham:—Height above Mean Sea Level, for "187 feet," read "214 feet"; and above Ground, for "19 feet," read "—8 feet."

67. Cheltenham:—Total Sunshine, for "26.5," read 265."

67. Woolacombe:—3rd, Remarks, for "T 3p., 5.3op." read "T 3p. — 5.3op."

125. Hillington:—15th, Max. Temp., for "27.7," read "47.7."

\* 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 1908.

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.		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.	Miu. Temp. on Grass.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	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.
1	ins.	ins.	38°	36°	33°	38°	2°	1°	190	196			m. p. h.	m. p. h.			ins.	hrs.		
2	30'13	30'24	38°	36°	33°	38°	2°	1°	190	196	83	90	—	0	—	1	9	1	5	1. Fine day.
3	'29	'27	36°	37°	33°	38°	3°	2°	158	182	74	83	—	2	W	4	1	2	12	1. a.
4	'22	'17	27°	28°	24°	20°	1°	0°	120	118	61	66	W	1	W	1	1	1	1	2. 3.30p.-4.30p.
5																				* showers till 1p.
6																				* showers a. 4p.
7																				4p.
8																				Cold and dry.
9																				W
10																				▲ a. * ▲ showers p.
11																				Overcast.
12																				Fair a.
13																				Fine and dry.
14																				Very fine all day.
15																				Fine, but dull.
16																				● from 7p.
17																				● showers a. Very fine p.
18																				Sky inky blue a. Bright p.
19																				● showers till 4p.
20																				2p., then fine.
21																				☐
22																				Mammalated clouds N.-W., a
23																				Fine day.
24																				— a. Fine and sunny.
25																				Fine day.
26																				Very fine all day.
27																				● till 3p., then * ▲.
28																				☒ early a. * ▲ showers.
29																				☒ showers.
30																				☒ showers.
31																				* showers a. and p.
1																				* showers a. ☒ ▲ p.
2																				☒. ☒ * ▲
3																				
4																				

CORRECTION SLIP.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.—JANUARY 1908.

The letters m.p.h. (miles per hour) have been accidentally inserted in the headings of all the columns devoted to wind records on pp. 1-10. Only the results for Deerness, Glasgow, Stonyhurst, Plymouth, Armagh, and Dublin, are expressed in miles per hour. At the remaining Stations, the wind is estimated on the Beaufort Scale (0-12).

## CORRECTION SLIP.

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3. Rain-gauge, 1 foot.

Long. 3 56 W. Lat. 57 59 N. Gravity Correction, + .034 in.

1	30°31'	30°42'	31°5'	29°5'	29°0'	39°0'	0°5'	0°5'	'165	'150	93	91	N	1	W	1	—	—	—	Fine and calm.
2	'46	'44	32°0'	33°5'	25°0'	36°0'	0°5'	1°0'	'170	'171	93	89	N	1	Calm	0	—	—	—	—
3	'41	'34	33°0'	33°0'	32°0'	41°5'	1°0'	2°5'	'184	'182	90	79	NW	1	SW	2	—	—	—	Dull day.
4	'31	30°21'	39°5'	38°5'	37°0'	40°0'	2°5'	2°5'	'194	'185	80	80	W	1	W	1	—	—	—	Dull and mild.
5	30°05'	29°87'	30°0'	40°0'	29°0'	40°5'	1°5'	1°5'	'128	'217	76	88	NW	1	W	1	—	—	—	Dull, with ● showers.
6	29°14'	'54	50°0'	43°0'	38°0'	50°5'	1°5'	2°5'	'322	'225	90	81	W	2	W	4	—	—	—	/ Dull day.
7	'49	'42	40°5'	40°0'	37°0'	44°0'	1°5'	2°0'	'220	'207	88	84	NE	1	E	6	—	—	—	Dull, with ● showers.
8	29°05'	29°89'	36°5'	33°0'	32°0'	40°0'	3°5'	1°0'	'153	'167	71	89	NE	3	N	1	—	—	—	Dull day.
9	30°05'	29°00'	34°0'	34°0'	30°0'	36°0'	4°0'	2°0'	'122	'156	62	79	N	1	NW	1	—	—	—	Dull day.
10	30°18'	29°94'	34°0'	39°0'	32°0'	40°0'	1°0'	2°0'	'176	'199	89	84	NW	1	W	1	—	—	—	—
11	29°90'	29°84'	42°5'	44°0'	39°0'	44°5'	2°5'	3°5'	'220	'215	81	74	W	2	SW	6	—	—	—	Clear a. Dull p.
12	'95	30°01'	43°0'	32°5'	31°5'	46°0'	3°5'	1°5'	'206	'152	75	82	SW	4	W	1	—	—	—	Clear a. Dull p.
13	'85	29°95'	40°0'	44°0'	32°5'	44°0'	2°5'	2°5'	'198	'234	80	81	SE	1	W	3	—	—	—	Dull.
14	'77	'80	40°0'	42°5'	31°5'	45°0'	0°0'	0°5'	'247	'261	100	96	N	1	Calm	0	—	—	—	Dull, with ● a. Fair p.
15	'64	'24	41°5'	45°0'	39°5'	46°5'	1°5'	2°5'	'230	'243	88	82	W	1	SW	3	—	—	—	Clear and mild.
16	'17	'58	48°0'	47°5'	36°5'	50°5'	3°0'	1°0'	'263	'304	79	93	W	2	W	3	—	—	—	Clear a. Dull p.
17	29°32'	29°29'	48°0'	42°5'	36°5'	52°0'	1°0'	1°5'	'309	'239	93	88	W	1	W	3	—	—	—	● showers.
18	30°09'	30°07'	39°0'	33°5'	30°5'	45°0'	4°0'	1°0'	'164	'171	70	89	W	1	W	1	—	—	—	Clear and frosty.
19	29°89'	29°95'	35°3'	40°0'	32°0'	44°0'	2°3'	3°0'	'162	'189	78	76	SW	2	W	4	—	—	—	—
20	30°22'	30°15'	34°0'	42°5'	32°0'	42°5'	1°0'	5°5'	'176	'170	89	62	NW	1	W	5	—	—	—	Clear and frosty.
21	'17	'19	43°0'	36°5'	34°5'	45°5'	3°5'	2°0'	'206	'179	75	83	W	2	NE	2	—	—	—	—
22	'07	'03	30°0'	35°5'	28°5'	42°0'	1°0'	1°5'	'140	'179	83	86	N	1	NW	2	—	—	—	—
23	'17	'30	45°0'	34°5'	29°5'	45°5'	1°5'	1°5'	'264	'170	89	84	W	1	W	2	—	—	—	Dull.
24	30°42'	30°19'	31°0'	37°0'	31°0'	41°0'	1°0'	1°5'	'148	'191	85	87	N	1	W	1	—	—	—	Variable.
25	29°67'	29°66'	43°5'	34°0'	31°5'	45°0'	2°0'	1°5'	'240	'166	84	84	S	3	SW	1	—	—	—	* showers.
26	'50	'65	38°5'	40°0'	34°0'	44°5'	1°5'	3°5'	'203	'181	87	73	W	3	W	2	—	—	—	—
27	'15	'12	48°5'	37°0'	36°5'	49°5'	3°5'	1°0'	'259	'200	76	91	W	5	W	4	—	—	—	'75
28	'00	'59	36°0'	35°0'	32°5'	39°0'	1°0'	2°5'	'193	'156	91	76	NW	1	NW	2	—	—	—	'38
29	'81	'97	33°0'	34°5'	32°0'	37°5'	1°0'	2°5'	'167	'152	89	75	W	2	W	2	—	—	—	'07
30	'68	'54	34°5'	37°0'	29°5'	42°0'	1°0'	1°5'	'180	'191	90	87	W	1	W	6	—	—	—	'26
31	29°42'	29°64	33°5'	34°5'	30°5'	39°5'	1°5'	2°0'	'161	'161	84	80	NW	1	W	3	—	—	—	'10
M.	29°842	29°872	38°4	38°0	32°7	43°2	1°8	2°0	'199	'192	84	83		1°6		2°4	—	—	—	3°37

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

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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.*

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METEOROLOGIC

February 10, 1888

*ERRATA.*

- February. The pages should be numbered "13 to 24," instead of "1 to 12."
- Page 13. Deerness :—17th, Wind Velocity, *for* "23," *read* "24."
- " 13. Deerness :—18th, Wind Velocity, *for* "24," *read* "25."
- " 18. Shrewsbury :—Mean Barometer 9 a.m. and 9 p.m., *for* "29·840, 29·866," *read* "29·846, 29·860."
- " 20. Southampton :—24th, Remarks, *for* "✓ (force 10)," *read* "✓ (force 10) a."
- " 31. Cheltenham :—Height above Mean Sea Level, *for* "187 feet," *read* "214 feet"; and above Ground, *for* "19 feet," *read* "—8 feet."
- " 67. Cheltenham :— Total Sunshine, *for* "265," *read* 265."
- " 67. Woolacombe :—3rd, Remarks, *for* "T 3p., 5·30p." *read* "T 3p. — 5·30p."
- " 125. Hillington :—15th, Max. Temp., *for* "27·7," *read* "47·7."

\* 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 1908.

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.		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.	Min.	Max.	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.																		
2	30°13	30°24	38°0	36°7	33°5	38°2	2°0	1°1	1°90	1°96	83	90	m. p. h.	m. p. h.	9	1	ins.	hrs.		
3	29°29	27°27	36°0	37°0	33°3	38°8	3°0	2°5	1°58	1°82	74	83	—	W	4	1	2	5°1	—	
4	29°22	27°17	37°0	38°0	34°6	39°2	1°0	0°5	2°00	2°18	91	96	W by N	5	NW by W	7	10	—	—	
5	30°11	30°03	40°0	39°1	36°7	40°8	2°8	1°0	1°93	2°19	78	92	—	W by S	4	9	10	—	—	
6	29°50	29°68	33°6	41°1	32°8	41°6	1°8	0°9	1°56	2°38	81	93	SW by W	3	SW	12	10	—	—	
7	28°95	27°45	45°0	42°3	35°8	47°8	0°7	1°5	2°82	2°38	94	89	SSW	17	N	21	8	—	—	
8	29°37	32°38	33°0	39°0	35°8	42°8	3°1	3°3	1°73	1°73	75	75	ENE	4	E	26	6	—	—	
9	29°52	36°02	39°0	36°2	34°8	40°0	4°0	2°2	1°64	1°73	70	81	NE	22	NE	21	8	—	—	
10	29°58	39°38	34°8	32°8	38°2	46°2	4°6	2°3	1°30	1°58	62	78	NE	15	NW	6	2	—	—	
11	29°53	37°09	41°0	33°8	41°2	2°0	1°8	1°90	2°19	83	86	W by S	15	SW	23	10	10	—	—	
12	29°56	38°44	45°5	39°8	45°6	2°0	2°8	2°44	2°43	84	80	SW	22	SW	25	8	10	—	—	
13	29°57	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
14	29°53	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
15	29°54	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
16	29°53	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
17	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
18	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
19	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
20	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
21	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
22	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
23	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
24	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
25	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
26	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
27	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
28	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
29	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
30	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
31	29°51	38°40	43°2	40°1	38°8	46°0	2°2	3°1	2°32	1°88	83	75	SW	17	S	12	7	—	—	
M.	29°641	29°674	40°1	39°7	36°0	43°0	2°1	2°0	2°09	2°05	83	83	17	18	6°7	5°8	3°41	40	—	

DUNROBIN CASTLE, SUTHERLAND, c.d.—JANUARY 1908.

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°31'	30°42'	31°5'	29°0'	39°0'	0°5'	0°5'	'165	'150	93	91	N	1	W	1	—	—	—	Fine and calm.		
2	'46	'44	32°3'	33°5'	25°0'	36°0'	0°5'	1°0'	'170	'171	93	89	N	1	Calm	0	—	—	[		
3	'41	'34	35°0'	38°0'	32°0'	41°5'	1°0'	2°5'	'184	'182	90	79	NW	1	SW	2	—	—	Dull day.		
4	'31	30°21'	39°5'	38°5'	37°0'	40°0'	2°5'	2°5'	'194	'185	80	80	W	1	W	1	—	—	Dull and mild.		
5	30°05'	29°87'	30°0'	40°0'	29°0'	40°5'	1°5'	1°5'	'128	'217	76	88	NW	1	W	1	—	—	Dull, with ● showers.		
6	29°14'	'54	50°0'	43°0'	38°0'	50°5'	1°5'	2°5'	'322	'225	90	81	W	2	W	4	—	—	/ Dull day.		
7	'49	'42	40°5'	40°0'	37°0'	44°0'	1°5'	2°0'	'220	'207	88	84	NE	1	E	4	—	—	Dull, with ● showers.		
8	29°65'	29°89'	36°5'	33°0'	32°0'	40°0'	3°5'	1°0'	'153	'167	71	89	NE	3	N	1	—	—	Dull day.		
9	30°05'	30°20'	34°0'	34°0'	30°0'	36°0'	4°0'	2°0'	'122	'156	62	79	N	1	NW	1	—	—	Dull day.		
10	30°18'	29°94'	34°0'	39°0'	32°0'	40°0'	1°0'	2°0'	'176	'199	89	84	NW	1	W	1	—	—			
11	29°90'	29°84'	42°5'	44°0'	39°0'	44°5'	2°5'	3°5'	'220	'215	81	74	SW	2	SW	6	—	—	Clear a. Dull p.		
12	'95	30°01'	43°0'	32°5'	31°5'	46°0'	3°5'	1°5'	'206	'152	75	82	SW	4	W	1	—	—	Clear a. Dull p.		
13	'85	29°95'	40°0'	44°0'	32°5'	44°0'	2°5'	2°5'	'198	'234	80	81	SE	1	W	3	—	—	Dull.		
14	'97	'80	40°0'	42°5'	31°5'	45°0'	0°0'	0°5'	'247	'261	100	96	N	1	Calm	0	—	—	Dull, with ● a. Fair p.		
15	'64	'24	41°5'	45°0'	39°0'	45°5'	1°5'	2°5'	'230	'243	88	82	W	1	SW	3	—	—	Clear and mid.		
16	'17	'58	48°0'	47°5'	36°5'	50°5'	3°0'	1°0'	'263	'304	79	93	W	2	W	3	—	—	Clear a. Dull p.		
17	29°32'	29°29'	48°0'	42°5'	36°5'	52°0'	1°0'	1°5'	'309	'239	93	88	W	1	W	3	—	—	● showers.		
18	30°09'	30°07'	39°0'	33°0'	33°0'	45°0'	4°0'	1°0'	'164	'171	70	89	W	1	W	1	—	—	Clear and frosty.		
19	29°89'	29°95'	35°3'	40°0'	32°0'	44°0'	2°3'	3°0'	'162	'189	78	76	SW	2	W	4	—	—			
20	30°22'	30°15'	34°0'	42°5'	32°0'	42°5'	1°0'	5°5'	'176	'170	89	62	NW	1	W	5	—	—	Clear and frosty.		
21	'17	'19	43°0'	36°5'	34°5'	45°5'	3°5'	2°0'	'206	'179	75	83	W	2	NE	2	—	—			
22	'17	'03	30°0'	35°5'	28°5'	42°0'	1°0'	1°5'	'140	'179	83	86	N	1	NW	2	—	—	[		
23	'07	30°45°0'	34°5'	29°5'	45°5'	1°5'	1°5'	'264	'170	89	84	W	1	W	2	—	—	—	Dull.		
24	30°42'	30°19'	31°0'	37°0'	31°0'	41°0'	1°0'	1°5'	'148	'191	85	87	N	1	W	1	—	—	Variable.		
25	29°67'	29°66'	43°5'	34°0'	31°5'	45°0'	2°0'	1°5'	'240	'166	84	84	S	3	SW	1	—	—	* showers,		
26	'50	'65	38°5'	40°0'	34°0'	44°5'	1°5'	3°5'	'203	'181	87	73	W	3	W	2	—	—			
27	'15	'12	48°5'	37°0'	36°5'	49°5'	3°5'	1°0'	'259	'200	76	91	W	5	W	4	—	—	/		
28	'00	'59	36°0'	35°0'	32°5'	39°0'	1°0'	2°5'	'193	'156	91	76	NW	1	NW	2	—	—	* (sleet) a. * showers p.		
29	'81	'97	33°0'	34°5'	32°0'	37°5'	1°0'	2°5'	'167	'152	89	75	W	2	W	2	—	—	* showers a. and p.		
30	'68	'54	34°5'	37°0'	29°5'	42°0'	1°0'	1°5'	'180	'191	90	87	W	1	W	6	—	—	Dull, with * showers.		
31	29°42'	29°64'	33°5'	34°5'	30°5'	39°5'	1°5'	2°0'	'161	'161	84	80	NW	1	W	3	—	—	* showers.		
M.	29°842	29°872	38°4	38°0	32°7	43°2	1°8	2°0	'199	'192	84	83		1°6		2°4	—	—	3°37	—	—

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

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TILLYPRONIE, ABERDEENSHIRE.—JANUARY 1908.

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.		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.	Min.	Max.	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.																					
2	29.06	29.19	32.5	30.5	26.5	35.0	0.5	1.2	in.	in.	%	%	m. p. h.	m. p. h.					ins.	hrs.	°		
3	29.08	29.02	34.6	33.0	27.8	37.0	1.6	1.5	169	157	84	83	NW	NW	4	0	0	0	—	—	25	Dull, with *.	
4	29.08	28.75	30.3	35.6	25.5	37.1	0.5	0.6	156	197	93	95	NE	NW	4	2	2	9	—	—	19		
5	28.94	28.75	31.4	34.5	29.5	32.5	5.0	1.6	155	212	88	88	NW	NW	8	2	6	9	—	—	26	Dull and cloudy.	
6	28.94	28.75	31.4	34.5	29.5	32.5	5.0	1.6	155	212	88	88	NW	NW	8	2	6	9	—	—	26	Dull and cloudy.	
7	32	33	36.0	31.3	30.3	27.0	34.5	0.8	0.5	157	156	89	93	NE	NE	6	9	10	7	—	—	32	Dull and cloudy.
8	33	33	36.0	31.3	30.3	27.0	34.5	0.8	0.5	157	156	89	93	NE	NE	6	9	10	7	—	—	31	Dull day. * <sup>2</sup> p.
9	37	38	38.5	27.3	20.1	32.3	0.6	1.2	139	112	89	76	N	N	4	7	9	10	25	—	—	25	Dull, with *.
10	37	38	38.5	27.3	20.1	32.3	0.6	1.2	139	112	89	76	N	N	4	7	9	10	25	—	—	19	Dull and frosty.
11	74	75	37.2	37.5	31.8	40.1	2.2	2.5	180	177	81	79	NW	NW	8	6	7	6	—	—	22	Dull and frosty.	
12	80	84	36.8	29.9	28.5	43.7	3.3	2.4	160	107	73	64	W	W	6	4	4	4	—	—	31	Dull.	
13	75	77	33.0	40.3	29.5	45.3	0.2	1.8	183	214	97	86	SW	W	6	8	8	9	—	—	23	Dull.	
14	82	75	39.5	42.0	32.6	46.5	1.5	1.1	212	243	88	91	SW	S	6	8	8	9	—	—	23	Cold wind.	
15	53	31	43.1	42.5	37.5	46.3	1.6	0.7	244	257	87	94	S	SW	8	7	8	—	—	33	Thawing.		
16	59	48	45.9	36.8	35.0	50.7	3.6	1.5	232	190	75	88	W	W	8	4	3	0	—	—	35		
17	28	18	39.8	42.0	34.7	52.5	2.5	3.5	197	199	80	75	SW	W	4	8	3	0	—	—	31		
18	85	97	34.4	30.0	28.0	42.8	2.8	1.1	145	138	73	82	W	W	2	4	4	3	09	—	31	• showers.	
19	28.82	28.84	37.5	35.8	27.9	40.8	2.5	2.3	177	168	79	80	SW	NW	4	6	0	—	—	26			
20	29.07	29.00	33.0	38.3	29.5	42.3	1.2	5.5	163	137	86	60	NW	W	4	8	0	—	—	27	Dull and cloudy.		
21	28.99	29.03	37.8	34.5	33.5	45.7	4.8	3.2	143	140	63	71	NW	NW	4	7	3	—	—	29	Dull and cloudy.		
22	98	28.90	35.8	36.5	30.8	47.9	6.3	2.5	107	170	51	78	NW	N	6	0	2	—	—	27	Cold and frosty.		
23	28.94	29.11	42.7	39.0	33.8	46.3	1.5	1.0	241	218	88	92	SW	W	4	9	0	—	—	32	Dull.		
24	29.25	29.11	37.3	38.1	31.3	42.8	1.4	0.6	195	217	88	95	NW	2 NW	2	8	9	—	—	29	Dull.		
25	28.72	28.63	41.4	32.1	30.9	43.5	2.2	0.8	216	164	84	90	SW	NW	6	8	0	—	—	27	* <sup>2</sup> showers.		
26	45	48	37.3	37.5	30.7	45.3	1.8	2.9	188	171	85	76	NW	NW	4	10	4	05	—	28	Cold, with • showers.		
27	28.11	28.02	46.5	32.0	30.1	50.8	3.7	0.5	234	170	75	93	W	W	6	6	10	08	—	28	* <sup>2</sup> showers.		
28	27.83	27.33	30.0	30.3	27.9	32.5	0.5	0.6	153	153	92	91	N	N	6	10	5	06	—	26	Dull, with * showers.		
29	28.56	28.44	33.1	36.3	26.7	40.3	0.5	0.8	178	200	94	94	W	W	6	9	3	12	—	23	Dull and cloudy.		
30	60	44	33.1	30.8	26.1	36.8	0.9	0.9	159	150	88	87	NW	N	6	10	5	24	—	26	*.		
31	28.23	28.34	31.9	36.3	26.1	36.8	0.9	0.9	159	150	88	87	NW	N	6	10	5	24	—	26	*.		
M.	28.690	28.717	35.7	34.8	29.3	41.8	1.8	1.5	176	173	83	85	5.0	5.4	6.1	5.2	2.01	—	26.6				

LAUDALE, ARGYLESHIRE, a.—JANUARY 1908.

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°29	30°42	33°5	30°7	29°9	39°7	0°5	0°9	1°82	1°48	94	87	SE	1	SE	1	1	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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DUNDEE, FORFAR, c.d.—JANUARY 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.				9 a.m.	9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								9 a.m.
1	ins.	ins.							in.	in.	%	%	m. p. h.	m. p. h.			ins.	hrs.		
2	30°13	30°28	37°6	35°0	34°5	39°4	2°1	1°0	186	184	82	90	SE	2 NE	1	10	—	—	Dull.	
3	35	33	28°0	28°0	27°0	30°5	0°0	0°0	153	153	100	100	NW	1 W	1	7	—	—	⚡	
4	31	22	27°5	25°2	24°6	31°7	0°5	0°6	130	115	90	85	W	1 NW	1	7	—	—	⚡	
5	17	30°11	27°1	30°8	23°2	32°0	0°1	0°2	144	167	98	97	SW	1 SW	1	10	—	—	⚡	
6	30°07	29°88	26°0	35°0	24°4	35°8	1°0	0°4	107	196	76	96	SW	2 W	3	0	10	10	● from 8p. ⚡	
7	29°22	34	44°0	44°0	34°8	50°1	0°8	2°5	270	234	94	81	W	5 W	9	10	7	—	—	
8	35	02	36°4	37°0	33°8	45°2	0°8	0°0	200	220	93	100	NE	1 NE	5	10	10	10	↗ n. ● from 1p.	
9	15	29°57	35°0	33°8	32°4	38°6	0°6	0°4	192	186	94	95	NE	9 NE	4	10	10	10	* n.	
10	29°82	30°01	31°3	29°9	29°1	35°0	1°3	1°7	145	122	82	75	NE	1 NE	2	10	10	10	Dull. *° showers n.	
11	30°11	29°99	31°4	35°0	26°9	35°4	0°4	1°5	167	174	95	85	NW	1 W	4	10	10	10	Dull, with ⚡	
12	29°94	28	36°8	37°2	34°4	39°5	1°4	0°7	192	208	89	94	NW	5 W	5	10	10	10	Cloudy day.	
13	92	96	37°6	29°6	28°2	39°4	2°1	1°1	186	135	82	82	W	5 W	1	5	5	—	Cloud and sunshine.	
14	92	92	28°5	33°6	25°4	34°0	0°3	1°6	147	100	95	83	NW	1 W	1	10	10	10	Cloudy. ⚡ from 2p.	
15	91	82	35°5	41°4	32°6	42°1	0°4	0°4	200	252	96	97	SW	1 SW	1	10	10	10	Cloudy. ⚡ from 2p.	
16	62	58	43°7	43°6	41°0	44°7	0°6	1°6	271	248	95	87	SW	1 SW	4	10	10	10	*° showers p. ⚡	
17	24	34	48°0	38°9	38°4	49°5	3°0	0°5	263	227	79	96	SW	5 W	1	5	7	10	● till 8a.	
18	34	29°32	50°5	45°2	38°4	51°0	1°6	2°4	327	247	89	83	SW	5 SW	6	10	10	10	Cloud and sunshine.	
19	97	30°06	36°0	31°0	30°3	46°5	0°6	0°0	205	174	95	100	NW	1 W	1	10	0	10	● showers.	
20	29°94	30°4	37°8	37°0	30°2	42°8	1°0	0°8	208	204	92	93	W	2 W	2	10	10	10	Cloud and sunshine.	
21	30°18	30°17	38°6	37°0	30°3	40°3	0°4	1°4	178	198	96	88	NE	1 W	5	10	10	10	Dull.	
22	16	15	37°4	38°0	35°5	42°2	1°4	1°3	196	203	88	89	W	6 W	4	10	10	10	Cloudy. ∞	
23	11	04	34°0	35°8	32°8	39°0	0°8	1°1	180	191	91	91	W	2 W	4	10	10	10	Cloudy.	
24	08	23	43°7	43°8	34°7	45°0	1°2	1°4	258	256	90	89	SW	1 SW	1	10	10	10	Cloud and sunshine. ∞	
25	30°34	30°19	40°5	42°8	39°2	44°9	0°5	1°2	241	249	96	91	E	1 E	1	10	10	10	● showers.	
26	29°84	29°79	41°2	35°8	34°8	44°5	1°2	1°8	233	177	91	84	SW	4 W	5	10	10	10	Dull. ⚡	
27	51	56	39°2	39°8	34°8	44°0	0°5	2°7	230	193	96	79	SW	1 W	4	10	10	10	● n. and 1p.—3p.	
28	29°21	14	47°9	38°5	37°9	51°6	2°2	2°2	280	190	85	82	W	4 W	7	5	7	10	8a.—noon.	
29	28°94	31	34°8	35°8	32°8	40°0	1°6	2°0	170	174	84	83	W	4 NE	5	5	10	10	● n. and 3p. ↗ from 11a.	
30	29°65	94	33°6	34°0	31°2	37°0	0°6	2°5	181	147	93	75	NW	3 NW	4	10	7	10	* n. ● storm 3p.	
31	75	55	32°8	39°0	31°7	42°0	0°4	2°8	178	185	96	78	SW	1 SW	3	10	10	10	*° 8a.—10a.	
M.	29°36	29°44	37°0	33°0	31°6	41°3	1°2	2°0	196	147	89	78	NW	4 NW	7	7	0	10	Dull. *° 8a.—9a.	
	29°793	29°809	36°6	36°3	32°2	41°3	1°0	1°3	201	191	91	88		2°6	3°2	8°6	8°4	1°61	—	●* showers 8a.—3p. ↗ from [11a.

GLASGOW, LANARKSHIRE, a.—JANUARY 1908.

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

1	30°07	30°25	36°6	36°8	34°5	38°7	2°2	3°6	1°76	1°54	82	71	E	7	E	6	10	3	—	—	30°8	Cloudy day.
2	34	30	28°3	27°4	27°2	37°1	0°1	0°3	1°52	1°40	98	94	—	1	—	2	9 <sup>a</sup>	10 <sup>a</sup>	—	—	18°4	
3	29	22	25°1	24°8	23°1	29°1	0°0	0°0	1°36	1°34	100	100	—	2	—	2	8 <sup>a</sup>	10 <sup>a</sup>	—	—	16°3	
4	19	30°10	21°0	27°1	20°7	28°5	0°0	0°1	1°13	1°44	100	98	—	2	—	2	10 <sup>a</sup>	10 <sup>a</sup>	—	—	19°0	
5	29	29°84	24°2	38°4	22°1	38°6	0°0	1°3	1°13	2°06	86	89	—	2	SSW	12	8 <sup>a</sup>	10 <sup>a</sup>	460	—	16°2	— till 1p. • from Sp.
6	29°33	29°44	47°6	41°3	37°9	50°1	0°4	2°2	3°20	2°15	97	83	SW	21	W	10	10 <sup>a</sup>	8	0°10	—	35°3	Cloudy.
7	27	28°95	37°2	37°7	35°2	42°1	0°6	1°6	2°10	1°95	94	86	—	3	N	14	10 <sup>a</sup>	10 <sup>a</sup>	600	—	31°6	
8	23	29°58	36°5	36°8	35°1	37°9	2°1	3°8	1°77	1°51	82	69	NNE	18	N	11	9	9	—	—	29°0	Dull.
9	29°80	30°02	34°6	33°3	32°9	37°1	4°3	3°4	1°25	1°25	63	66	N	9	NE	5	1	0	—	1°9	24°5	
10	30°14	30°04	30°2	30°7	26°9	37°1	1°5	2°9	1°31	1°66	77	76	—	2	WSW	10	10 <sup>a</sup>	10	—	—	17°6	Dull day.
11	29°96	29°91	38°0	39°0	36°1	40°2	2°7	2°9	1°78	1°83	77	78	SW	10	SE	16	9	10	—	—	34°1	Dull and breezy.
12	96	90	38°9	32°1	32°1	40°2	3°6	2°8	1°70	1°22	72	67	SW	10	SE	4	9	2	—	—	23°1	Cloudy, then fine.
13	83	89	36°1	40°8	29°2	40°9	3°9	1°3	1°44	2°28	67	90	SSE	6	—	2	10	10	—	—	21°3	Dull and overcast.
14	87	76	41°2	45°9	38°2	46°8	1°1	0°8	2°35	2°90	92	95	—	3	SSW	12	10	10 <sup>a</sup>	400	—	36°4	• afternoon and night.
15	61	33	44°2	46°1	43°5	47°0	0°9	0°5	2°70	3°00	93	96	SW	10	SSW	15	9	10 <sup>a</sup>	567	1°3	40°3	• a. and n.
16	31	48	49°5	46°6	43°4	50°4	4°2	1°7	2°56	2°78	72	88	WSW	19	—	3	10	10	256	—	32°0	• a. and n.
17	32	29°43	49°9	46°2	44°8	52°0	1°1	4°7	3°31	2°14	93	69	S	21	WSW	23	10	5	369	—	40°1	
18	97	30°04	39°4	38°2	37°9	46°7	2°3	1°2	1°97	2°06	82	90	W	5	—	2	2	10	—	1°4	27°9	Fine day.
19	29°93	29°96	37°9	40°3	37°0	44°1	1°2	1°9	2°05	2°12	90	85	SW	7	W	7	5	8	0°56	0°4	30°7	• 3p.-5p.
20	30°18	30°20	40°5	38°6	35°2	43°2	1°5	2°2	2°20	1°92	88	82	W	7	SW	8	6	6	—	0°2	26°2	Cloudy day.
21	21	17	41°1	41°6	38°0	44°4	2°2	2°8	2°12	2°07	82	80	SW	10	WSW	7	9	10	—	—	31°4	Dull day.
22	12	03	36°7	39°0	36°0	41°7	1°7	1°9	1°85	2°01	85	85	S	6	—	3	10	10	0°07	—	33°9	Dull day.
23	04	21	44°9	46°1	38°6	47°1	1°5	0°9	2°63	2°91	89	93	S	11	SW	4	10	10	0°41	—	37°2	Dull day. •
24	30°28	30°14	45°3	41°8	41°0	46°4	1°3	0°8	2°72	2°47	90	94	—	3	E	4	10	5	—	—	35°4	Dull day.
25	29°85	29°82	44°2	39°2	35°6	45°2	2°0	2°2	2°46	1°97	85	82	SW	15	WSW	11	9	10	580	—	31°9	• showers. ▲ <sup>2</sup> 1p.-2p.
26	46	60	45°0	42°5	37°9	48°7	0°8	4°2	2°80	1°90	94	71	SW	21	W	14	10 <sup>a</sup>	4	413	1°1	33°1	• <sup>2</sup> showers.
27	32	22	48°5	40°0	38°3	49°3	0°5	2°4	3°28	2°00	96	81	WSW	15	W	22	10 <sup>a</sup>	10 <sup>a</sup>	321	0°3	34°0	• <sup>2</sup> showers a. * 2° 9a.-10a., and
28	00	39	36°0	36°9	33°7	40°4	2°0	3°1	1°75	1°64	82	75	W	13	NNW	4	8	6	0°62	0°1	28°2	Fine and clear. [2p.-3p.
29	67	99	35°4	33°6	33°1	38°4	2°8	2°7	1°55	1°40	75	73	NW	8	W	5	7	0	0°05	4°3	23°6	• <sup>0</sup> a.
30	76	03	30°1	31°6	31°2	44°7	0°9	3°8	1°96	1°90	92	74	WSW	9	W	12	10	9	0°48	0°5	23°2	• showers.
31	29°44	29°54	40°6	37°1	35°6	42°8	2°8	5°6	1°98	1°26	78	57	W	20	NW	17	7 <sup>a</sup>	0	0°31	1°5	30°0	
M.	29°800	29°818	38°4	38°5	34°6	42°5	1°7	2°2	2°05	1°94	86	82		10		9	8°5	7°6	4°226	13	28°8	



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JANUARY 1908.

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.		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.	Min.	Max.	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.	30.06	37.0	37.0	38.0	2.0	3.0	in.	in.	%	%	m. p. h.	m. p. h.			ins.	hrs.	°				
2	30.15	30.12	34.0	33.0	31.0	37.0	1.0	1.0	182	165	83	75	SE	2	SE	2	10	3	—	33	Fair.		
3	30.08	30.04	32.5	31.0	28.0	35.0	0.5	1.0	176	167	89	89	NW	1	NW	2	8	10	0.20	0.7	27	Fair.	
4	29.95	29.93	33.0	34.0	26.0	37.0	0.5	0.5	175	148	94	85	NW	1	W	1	8	2	—	4.0	29	Fair.	
5	30.02	30.00	34.0	34.0	26.0	35.0	0.5	1.0	177	186	94	95	NW	2	W	4	7	8	—	—	23	Fair.	
6	29.18	29.18	42.5	40.0	33.0	51.0	0.5	2.0	153	176	92	89	NW	3	SW	5	2	0	0.05	5.0	23	Fine and dry.	
7	29.13	28.70	38.0	39.0	36.0	41.0	1.0	0.0	261	207	96	84	SW	6	NW	9	100	2	0.10	1.7	25		
8	28.81	29.24	37.5	36.0	34.0	42.0	0.5	5.0	208	238	91	100	Calm	0	SW	2	100	100	1.000	—	34	Dull, with s.	
9	29.52	29.52	32.0	32.0	29.0	36.0	1.0	0.0	214	127	95	59	N	8	N	7	100	7	1.90	—	35	*0	
10	30.02	30.02	32.0	30.5	26.0	34.0	0.0	0.0	157	182	87	100	N	2	NW	1	7	8	0.30	2.3	25	*▲	
11	30.06	30.06	32.0	30.5	26.0	34.0	0.0	0.0	182	171	100	100	NW	3	W	5	7	7	—	5.0	22	Fine day.	
12	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	186	158	100	74	S	5	W	5	2	6	—	4.0	23	Fine day.	
13	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	164	189	80	61	SW	4	SE	2	8	0	—	2.8	28	Fine and bright.	
14	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	109	196	87	100	S	5	W	4	4	9	—	0.2	18	Fine and frosty.	
15	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	191	212	87	100	W	2	SE	1	9	8	0.10	0.3	21	Fine and frosty.	
16	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	265	244	92	79	S	3	S	6	8	7	0.10	0.1	32	● shower a. Fine day.	
17	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	309	275	86	92	W	8	S	1	8	9	0.02	1.1	34	Fine.	
18	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	218	184	92	90	SW	6	SW	8	9	8	0.10	1.4	40	Fine.	
19	30.04	30.04	32.0	30.5	26.0	34.0	0.0	0.0	174	190	85	83	S	2	S	1	2▲	9	—	5.0	34	Fine, and bright.	
20	30.02	30.08	35.0	34.0	31.0	41.0	1.5	2.0	164	156	80	79	NW	2	S	1	1	3	0.05	3.7	26	Fine day.	
21	30.06	30.05	38.5	33.0	30.0	41.0	2.5	3.0	186	129	81	69	SW	4	S	2	6	0	—	6.1	25	Fine day.	
22	30.06	29.94	35.5	24.0	23.0	33.0	0.0	0.0	138	129	100	100	SW	3	Calm	0	100	100	—	1.7	24	Fine day.	
23	30.06	30.06	33.0	39.0	24.0	41.0	0.0	0.0	188	238	100	100	SW	1	W	1	7	6	—	—	19	Fine day. ▲—	
24	30.13	30.04	41.0	37.0	37.0	43.0	0.5	0.5	246	210	96	96	N	1	S	3	10	100	0.30	—	30	Fine, but dull.	
25	29.77	29.71	41.0	38.0	30.0	46.0	1.0	2.0	235	190	92	83	S	3	W	5	8	0	0.50	2.9	29	Dull, with s.	
26	30.41	30.45	42.0	41.0	38.0	49.0	1.0	3.0	245	197	92	77	SW	5	W	5	100	2	0.60	—	33	● showers.	
27	29.09	29.10	49.0	40.0	36.0	50.0	1.0	2.0	322	207	93	84	NW	9	W	8	7	0	0.90	5.0	31		
28	28.89	28.92	35.0	35.0	33.0	40.0	2.0	2.0	164	164	80	80	W	9	NW	5	2	1	0.70	5.8	31		
29	29.40	29.69	33.0	33.0	32.0	36.0	2.0	1.0	147	167	78	89	NW	4	NW	4	4	3	0.10	1.0	29	*0	
30	30.64	30.44	31.5	37.0	26.0	40.0	0.5	1.0	166	200	94	91	SW	3	W	5	7	1	0.10	0.1	23	*0	
31	29.27	29.22	40.0	32.0	32.0	40.0	2.0	1.0	207	157	84	87	W	7	NW	7	4	0	0.20	4.4	29	*	
M.	29.650	29.660	36.8	35.9	31.3	41.2	1.1	1.5	200	184	90	86	3.8	3.7	6.7	4.5	1.652	66	27.6				

## CRONKBOURNE, (DOUGLAS) ISLE OF MAN, a.—JANUARY 1908.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	30.03	30.23	39.0	37.0	36.0	39.1	1.5	1.7	209	187	88	85	E	6	E	7	9	8	—	—	34.0	Overcast day.
2	30.32	31.36	35.1	35.1	34.8	38.0	0.9	0.6	109	193	93	94	E	3	ESE	5	7	10	—	0.9	30.2	Dull day.
3	28.28	22.34	34.0	34.4	31.2	35.8	0.5	2.3	186	155	95	77	E	5	E	3	3	0	—	5.5	27.0	Fine day.
4	21.21	18.28	21.5	19.8	41.0	0.5	0.9	137	185	89	75	Calm	0	N	2	0	0	0.2	—	4.4	18.0	Fine day.
5	30.17	30.03	30.3	43.1	19.0	43.1	0.5	0.6	156	205	93	95	NNW	2	SSW	6	6	100	683	1.2	17.0	— a. Dull day. s. n.
6	29.59	29.59	50.0	43.0	41.2	51.8	0.0	1.2	361	251	100	90	WSW	7	WNW	2	10	2	445	—	19.0	— a. Overcast day.
7	23.28	28.95	40.5	37.7	37.0	43.7	0.5	0.6	241	214	96	95	E	3-4	NW	3	100	100	285	—	37.0	Overcast day.
8	14.29	29.55	40.0	35.1	35.1	40.0	1.9	1.1	209	183	85	89	N	7-8	N	5	100	0	002	—	37.0	Overcast day.
9	29.77	30.02	34.7	29.8	29.8	38.0	1.0	0.9	182	142	91	85	N	5	N	2	10	0	001	3.9	29.0	Fine day.
10	30.19	20.26	33.1	25.2	41.0	0.3	1.3	133	162	94	85	NNW	1	WSW	4	1	2	008	3.4	20.9	— a. Fine day.	
11	16.30	30.11	38.8	38.0	30.0	39.4	0.3	1.3	223	211	97	90	WSW	3	WSW	4	10	10	—	2.2	20.0	Overcast day.
12	30.06	29.95	39.8	37.0	36.0	41.5	1.8	0.2	209	216	86	98	SE	3-4	ESE	5	1	2	—	5.7	31.1	— a. Fine day.
13	29.90	30.07	38.9	38.8	36.0	44.0	1.2	1.1	214	215	91	91	ESE	3	S	2	9	10	038	—	29.7	Overcast, with s. showers.
14	97.29	48.45	46.3	38.4	47.0	0.2	1.1	204	288	98	92	S	3	SSE	4-5	100	100	281	—	36.7	— a. at night.	
15	75.48	45.40	47.0	45.0	48.8	0.5	0.5	287	311	96	97	Calm	0	SSW	7-8	100	100	445	3.4	42.0	— a. Fine day.	
16	64.60	48.48	48.1	46.8	51.0	0.1	0.3	332	329	99	98	SSW	4-5	SSW	4-5	100	100	124	—	41.8	— a. Fine day.	
17	29.55	29.80	48.0	48.1	46.8	51.0	0.1	0.3	332	329	99	98	SSW	4-5	SSW	4-5	100	100	205	—	46.0	Overcast, with s. showers.
18	30.07	30.13	46.0	39.1	39.1	49.0	0.7	0.8	294	223	95	93	Calm	0	Calm	0	10	3	010	5.9	31.8	— a. Fine day.
19	05.07	43.00	41.8	36.5	46.0	1.0	1.2	255	240	92	91	SW	2	NNW	3-4	7	0	034	1.1	31.9	— a. and s. Dull day.	
20	33.34	45.48	41.2	35.1	46.7	2.0	1.4	204	229	86	89	SSW	3	SSW	3	6	2	—	5.6	28.0	— a. Fine day.	
21	33.27	42.50	40.0	39.0	44.1	2.0	2.0	230	207	85	84	SSW	4	S	3	3	10	10	—	2.8	28.0	Overcast day.
22	18.11	37.8	43.0	37.0	43.6	1.3	0.2	202	273	90	98	SE	4	SSE	3	10	10	10	01	35.0	Overcast day.	
23	18.27	45.0	46.2	43.0	47.4	0.7	0.2	282	308	94	99	SE	4	SSE	2	10	10	10	074	—	38.0	Overcast day.
24	32.20	40.0	41.8	37.1	47.3	0.2	1.6	243	231	98	88	E	2	Calm	0	10	10	10	020	—	40.0	— a and p. s. p.
25	30.03	30.05	44.8	42.0	40.3	47.6	1.6	1.5	260	235	88	89	SW	3	WSW	3-4	3	3	458	1.8	30.8	— after 3p. ▲
26	29.73	29.78	47.1	45.0	41.3	51.8	0.1	1.2	322	271	99	91	SW	5-6	W	3	100	10	120	—	35.7	Overcast, with s.
27	57.55	51.0	43.7	43.5	51.8	1.0	1.4	348	254	93	88	WSW	5-6	WNW	7	100	4	048	1.0	43.0	— a. (sleet) showers.	
28	22.29	43.38	36.3	36.0	44.8	0.8	1.5	212	186	93	87	WNW	5	NNW	6-7	9	0	060	2.6	34.3	— a. (sleet) showers.	
29	75.30	30.05	38.8	34.4	34.0	40.7	0.6	1.8	224	164	96	82	NNW	6-7	NNW	3-4	8	2	150	2.4	33.8	— a. (sleet) showers.
30	94.29	29.81	38.0	42.6	32.3	44.8	0.9	1.2	210	247	92	90	WSW	3-4	WNW	4	100	3	108	—	24.0	— till 2p. ▲
31	29.67	29.65	43.6	41.2	46.0	1.3	1.7	255	229	89	87	WNW	7	NW	7-9	8	3	030	5.1	36.0	Fine day.	
M.	29.914	29.931	40.8	39.7	36.2	44.6	0.9	1.1	242	225	93	90	3.8	3.9	7.7	5.4	3.629	54	31.9			



## SHREWSBURY, SHROPSHIRE.—JANUARY 1908.

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.		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.	Min.	Max.	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.	33°	31°	29°	39°	0°	0°	in.	in.	%	%	m. p. h.	m. p. h.			ins.	hrs.			
2	29°87	30°07	33°0	31°0	29°9	39°6	0°9	0°0	169	174	90	100	E	2	ESE	3	10	3	—	25°4	
3	30°22	30°20	26°8	29°0	25°3	39°2	0°0	0°0	146	160	100	100	NE	2	SE	3	1	0	—	20°8	
4	17	11	19°5	22°2	17°4	36°8	0°0	0°0	106	119	100	100	NE	1	ESE	1	0	0	—	15°5	
5	11	11	28°0	17°5	13°6	37°3	0°0	0°0	153	096	100	100	N	1	SE	1	8	0	—	12°8	
6	30°17	30°09	14°8	26°0	14°0	34°8	0°0	1°2	085	101	100	72	SE	1	SE	1	0	0	—	13°7	
7	29°70	29°57	48°7	48°0	25°3	50°9	1°8	0°5	300	322	87	97	SW	1	NNW	3	7	0	—	25°0	
8	29°26	28°89	48°0	42°0	41°0	50°0	0°8	0°2	314	263	94	98	3	NW	2	8	100	0°8	—	36°6	
9	28°89	29°30	40°0	34°5	33°4	44°2	1°3	0°5	220	190	90	95	NW	3	NNW	4	9	100	2°5	—	31°8
10	29°60	29°87	31°0	29°0	27°6	37°4	0°5	0°0	161	160	92	100	3	NW	2	4	3	—	—	23°9	
11	30°12	30°18	22°0	27°0	20°3	37°1	0°0	0°0	118	147	100	100	SE	1	W	1	2	0	—	18°8	
12	18	30°14	30°3	26°0	21°0	37°0	0°0	0°0	169	141	100	100	W	1	SW	1	10	0	—	18°4	
13	30°07	29°96	24°8	27°9	19°5	37°2	1°0	0°3	099	144	75	94	SE	1	SE	2	0	0	—	18°5	
14	29°94	95	26°3	34°0	22°6	37°1	0°0	0°5	143	186	100	95	E	1	SE	1	10	10	—	19°4	
15	99	94	38°8	43°0	33°6	45°5	0°6	0°2	224	273	95	98	SE	1	SE	3	10	10	—	31°4	
16	83	71	46°7	51°0	40°7	51°3	0°9	2°7	298	306	94	82	3	S	3	4	10	10	—	34°5	
17	63	65	50°0	51°0	49°0	52°0	1°4	1°0	324	348	90	93	SE	3	SW	3	10	100	0°4	—	44°5
18	29°68	29°76	50°7	47°8	47°2	54°4	2°3	2°0	312	283	85	86	SW	3	SW	4	9	4	—	42°0	
19	30°06	30°10	39°0	32°0	31°3	50°0	0°5	0°0	228	182	96	100	W	2	W	1	0	2	—	27°0	
20	06	02	31°0	32°0	26°0	40°8	0°0	0°0	174	182	100	100	SW	1	W	1	10	9	0°1	—	24°8
21	26	32	31°6	28°0	27°0	45°5	0°0	0°0	179	153	100	100	SW	1	SW	1	0	0	—	21°9	
22	34	25	27°9	31°2	21°0	37°3	0°0	0°0	153	176	100	100	S	1	S	1	0	0	—	21°0	
23	17	15	34°0	37°7	30°6	39°6	1°0	0°5	176	216	89	96	SE	3	SSE	2	8	0	—	29°7	
24	21	24	40°5	40°2	37°0	43°7	0°3	0°1	245	246	98	98	S	1	SSE	1	10	10	—	35°1	
25	27	20	35°0	33°1	32°8	42°5	0°0	0°0	204	190	100	100	ESE	2	SE	1	10	10	—	34°0	
26	30°10	30°04	34°7	48°0	30°0	50°0	0°0	1°8	202	290	100	87	SE	1	NW	3	10	100	0°2	—	28°5
27	29°92	29°73	47°0	50°4	39°9	52°0	2°5	1°4	264	330	83	90	SW	3	W	3	7	2	—	34°6	
28	05	60	52°9	46°4	45°5	54°7	1°9	3°8	348	232	87	75	WNW	4	W	5	10	7	0°4	—	41°1
29	34	15	40°0	38°2	34°3	47°2	2°0	0°4	207	222	84	97	WNW	5	WNW	3	9	10	—	31°9	
30	09	91	35°5	34°5	32°7	44°9	2°5	2°5	160	152	77	76	1	NW	2	0	0	0	—	27°7	
31	97	77	33°1	43°7	29°5	44°0	1°3	3°9	162	205	85	73	W	2	N	3	10	0	—	24°7	
31	29°72	29°61	42°3	39°0	39°8	46°3	2°4	5°0	220	181	82	65	W	1	NW	8	8	0	—	34°5	
M.	29°905	29°890	35°6	36°3	30°3	43°9	0°8	0°9	202	205	93	92	1°9	2°4	6°5	4°2	0°94	—	27°4		

## CAMBRIDGE, a.—JANUARY 1908.

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 Corrections, +.019 in.

1	30.03	30.24	32.0	31.9	31.1	35.1	2.6	1.9	125	138	69	76	NE	4	NE	3	9	4	—	3.0	30.0	Cir. clouds.
2	30.39	30.27	32.0	31.9	31.1	35.1	2.6	1.9	125	138	69	76	NE	4	NE	3	9	4	—	3.0	30.0	Fine all day.
3	30.23	30.27	32.0	31.9	31.1	35.1	2.6	1.9	125	138	69	76	NE	4	NE	3	9	4	—	3.0	30.0	Fine day.
4	30.26	30.27	32.0	31.9	31.1	35.1	2.6	1.9	125	138	69	76	NE	4	NE	3	9	4	—	3.0	30.0	—.
5	30.33	30.35	32.0	31.9	31.1	35.1	2.6	1.9	125	138	69	76	NE	4	NE	3	9	4	—	3.0	30.0	—.
6	30.00	29.77	39.8	47.4	16.5	49.0	0.9	1.2	227	298	93	91	SW	4	SW	5	10	9	0.2	1.0	30.0	—.
7	29.57	29.09	44.5	44.0	43.9	50.5	0.5	1.1	281	263	96	91	S	1	S	2	10	10	0.2	1.0	30.0	—.
8	29.88	29.24	38.0	37.9	37.3	45.0	0.2	0.9	224	209	98	92	NW	4	NW	5	10	10	0.2	1.0	30.0	—.
9	29.61	29.93	32.0	30.5	30.0	38.0	0.0	1.5	182	134	100	78	NW	4	NW	5	10	10	0.2	1.0	30.0	—.
10	30.23	30.36	31.3	31.4	30.4	35.0	0.3	0.0	169	115	96	100	NW	2	Cal	0	9	0	0.2	1.0	30.0	—.
11	30.41	30.36	32.0	31.0	25.0	35.1	0.5	1.0	105	100	85	74	SW	1	SW	1	1	0	0.2	1.0	30.0	—.
12	30.18	30.19	26.6	32.0	22.0	39.1	0.0	1.7	145	143	100	78	SE	1	SE	2	0	0	0.2	1.0	30.0	—.
13	30.23	30.18	32.0	31.0	25.0	35.1	0.5	1.0	105	100	85	74	SW	1	SW	1	1	0	0.2	1.0	30.0	—.
14	30.14	30.12	32.0	31.0	25.0	35.1	0.5	1.0	105	100	85	74	SW	1	SW	1	1	0	0.2	1.0	30.0	—.
15	30.14	30.12	32.0	31.0	25.0	35.1	0.5	1.0	105	100	85	74	SW	1	SW	1	1	0	0.2	1.0	30.0	—.
16	29.89	30.03	49.8	51.0	45.3	52.5	1.8	1.0	312	348	87	93	SW	3	SW	3	6	0	0.2	1.0	30.0	—.
17	29.93	29.98	49.7	49.1	47.9	54.3	2.2	1.8	302	304	86	87	SW	3	SW	3	6	0	0.2	1.0	30.0	—.
18	30.25	30.30	36.0	31.0	31.0	50.1	0.0	2.0	212	174	100	100	Cal	0	Cal	0	0	0	0.2	1.0	30.0	—.
19	29.27	29.22	31.5	35.5	26.0	36.0	0.3	0.0	171	208	96	100	SE	2	S	1	10	10	0.2	1.0	30.0	—.
20	29.40	29.44	33.7	27.8	26.9	42.1	0.2	0.3	190	143	98	94	W	1	Cal	0	0	0	0.2	1.0	30.0	—.
21	29.56	29.49	31.1	35.5	29.1	35.7	0.3	0.5	166	198	95	95	SE	2	SE	2	10	10	0.2	1.0	30.0	—.
22	29.42	29.40	31.1	35.5	29.1	35.7	0.3	0.5	166	198	95	95	SE	2	SE	2	10	10	0.2	1.0	30.0	—.
23	29.45	29.47	33.7	32.5	32.0	43.4	0.0	0.0	194	185	100	100	S	1	S	1	10	10	0.2	1.0	30.0	—.
24	29.47	29.41	30.5	32.3	29.5	34.0	0.0	0.2	171	180	100	98	Cal	0	E	2	10	10	0.2	1.0	30.0	—.
25	29.33	29.27	30.8	39.5	29.7	40.9	0.1	0.5	170	232	99	96	SW	1	SW	1	10	10	0.2	1.0	30.0	—.
26	29.18	29.94	44.2	51.0	38.0	51.5	1.2	2.0	263	323	91	86	SW	3	SW	5	9	10	0.2	1.0	30.0	—.
27	29.77	29.72	51.0	49.0	47.5	54.9	1.8	4.0	328	355	87	73	SW	5	SW	6	9	10	0.2	1.0	30.0	—.
28	29.56	29.50	41.9	35.4	34.5	49.5	2.9	1.3	208	182	79	88	W	5	Cal	0	6	0	0.2	1.0	30.0	—.
29	29.75	29.75	35.1	33.9	33.4	46.9	2.4	1.9	158	157	77	80	NW	4	NW	1	1	10	0.2	1.0	30.0	—.
30	29.14	29.01	30.5	36.0	28.9	37.9	1.5	0.3	134	206	78	97	NW	1	SW	3	7	0	0.2	1.0	30.0	—.
31	29.88	29.70	39.8	40.3	35.8	46.9	1.8	3.2	209	188	86	75	SW	2	W	5	8	0	0.2	1.0	30.0	—.
M.	30.100	30.080	34.2	35.2	29.8	42.3	0.8	0.9	189	194	92	91	2.0	2.1	6.7	5.4	0.79	64	24.8			

## CHELTENHAM, GLOUCESTERSHIRE, a.—JANUARY 1908.

Height above Mean Sea Level, 187 feet. Heights above Ground:—Bar., 19 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.		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.	Min.	Max.	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.	%	%	m. p. h.	m. p. h.			ins.	hrs.	°						
2	29°85	30°09	32°4	31°7	31°4	34°4	1°8	1°9	1°45	1°36	79	76	E	1	NE	4	10	0	—	0°3	28	Dull a. Pleasant day.		
3	30°18	30°18	29°0	25°7	25°6	31°7	1°8	1°9	1°11	0°81	69	58	E	3	E	4	0	0	—	6°8	22	Pleasant day.		
4	30°12	30°12	25°7	24°9	22°3	31°2	2°4	2°9	0°70	0°56	50	42	E	1	N	1	0	0	—	6°8	12	Bright pleasant day.		
5	30°13	30°13	23°5	23°5	22°2	30°6	2°4	1°9	0°58	0°68	46	55	WNW	1	Caln	0	0	10	—	4°1	14	Bright frosty day.		
6	30°17	30°18	22°5	18°6	18°6	23°9	0°4	0°8	1°05	0°74	88	74	E	1	SW	1	10	0	—	0°4	—	14	Frosty day.	
7	29°33	29°64	45°5	46°9	18°5	49°4	0°4	0°2	2°95	3°17	97	99	SW	3	SW	3	10	10	—	0°6	—	14	Dull muggy day.	
8	29°34	29°34	48°5	42°7	42°6	50°9	1°0	0°0	3°17	2°74	92	100	SW	1	SW	1	10	10	—	0°6	1°5	39	Dull, with ☉.	
9	28°88	29°27	38°7	35°7	35°4	43°4	0°5	0°1	2°25	2°07	96	99	W	1	NW	3	10	10	—	0°19	—	34	Dull, with ☉.	
10	29°54	30°08	33°5	30°3	30°2	35°7	1°7	0°2	1°57	1°63	87	96	NNE	1	NNE	2	10	0	—	0°2	1°0	26	Dull a. *0.	
11	30°11	30°22	26°7	21°3	20°8	33°2	1°6	0°9	0°96	0°58	66	51	NNE	1	Caln	0	0	0	—	—	5°4	14	Bright frosty day.	
12	25°30	30°18	24°7	30°0	20°0	36°4	1°9	0°1	0°74	1°64	57	98	Caln	0	S	2	5	0	—	—	5°8	13	Bright frosty day.	
13	30°08	29°98	28°7	29°2	24°8	35°4	3°1	2°6	0°81	0°95	53	59	SE	4	SE	3	0	0	—	—	6°8	16	Very pleasant day.	
14	29°94	29°98	32°2	37°7	25°9	39°9	1°3	1°1	1°53	2°04	84	90	SE	2	S	1	7	9	—	—	3°3	21	Pleasant day.	
15	30°03	30°02	41°7	42°2	37°7	45°3	0°5	0°5	2°53	2°58	96	96	SE	1	SE	1	10	10	—	0°1	—	35	Dull muggy day.	
16	29°93	29°81	46°2	50°2	42°0	51°0	0°0	0°3	3°13	3°56	100	98	S	2	S	3	10	6	—	2°0	40	Dull a. Pleasant day.		
17	72	75	50°4	51°5	50°1	52°0	0°3	0°7	3°58	3°62	98	95	S	3	SW	2	10	10	—	—	47	Overcast, but pleasant.		
18	29°76	29°75	50°0	45°7	45°6	54°8	1°2	0°5	3°29	2°95	92	96	S	1	Caln	0	10	0	—	0°1	3°5	40	Dull muggy day.	
19	30°10	30°13	39°7	28°7	28°7	46°6	0°5	0°7	2°33	1°37	96	87	Caln	0	Caln	0	0	0	—	6°0	22	Bright pleasant day.		
20	29	30	32°7	38°7	24°9	39°4	0°1	0°5	1°84	2°25	99	95	SW	1	SW	1	8	10	—	—	0°1	21	Dull day.	
21	29	37	35°9	29°9	29°6	40°2	0°5	0°3	2°00	1°57	95	94	Caln	0	Caln	0	10	0	—	4°1	20	Bright pleasant day.		
22	37	30	31°7	31°7	29°0	37°1	1°4	0°6	1°46	1°65	81	91	SE	1	SE	3	7	10	—	5°1	19	Cold pleasant day.		
23	20	20	36°2	39°2	31°7	39°2	1°0	0°5	1°93	2°29	91	96	SSE	1	SSE	2	10	10	—	0°1	—	30	Dull.	
24	24	25	39°0	39°0	38°0	43°6	0°0	0°7	2°38	2°24	100	94	SE	1	E	1	10	10	—	—	—	37	Dull.	
25	29	24	30°2	30°1	29°2	39°0	0°1	0°5	1°66	1°53	98	92	SE	1	SE	1	10	10	—	—	26	Dull, with ~~~~.		
26	17	30°11	35°2	44°7	28°8	44°9	0°6	0°4	1°93	2°86	94	97	SW	1	SW	2	10	7	—	1°3	29	Dull a. Pleasant day.		
27	30°00	29°81	46°7	48°7	35°2	50°2	1°0	1°1	2°95	3°16	92	92	SW	4	SW	2	10	7	—	0°1	—	40	Dull damp day.	
28	27	70	71	51°9	45°7	45°8	52°6	1°5	4°0	3°46	2°31	90	72	SW	2	NW	4	10	3	—	—	39	Mild pleasant day.	
29	41	88	43°1	39°1	38°0	47°1	3°7	1°4	2°04	2°11	73	88	W	4	ESE	1	0	10	—	2°3	34	Bright a. Pleasant day.		
30	29°71	29°71	38	36°2	34°0	41°6	3°2	1°0	1°54	1°75	72	89	NW	1	NW	1	0	0	—	0°8	3°8	28	Pleasant day. ▲ 4p.	
31	30°01	29°77	30°01	32°7	39°9	29°4	39°9	2°1	0°2	1°42	2°41	76	89	SW	1	SE	1	10	10	—	0°2	—	21	Cold damp day. *0.
32	29°77	29°64	42°5	43°4	37°7	44°9	2°4	1°5	2°22	2°48	81	87	W	2	SW	2	10	0	—	0°2	30	Dull muggy day.		
M.	29°94	29°92	36°6	36°2	31°4	41°5	1°3	1°0	1°95	1°99	83	86	1°5	1°7	7°0	5°2	1°08	7°0	26°4					



SOUTHAMPTON, HANTS, a.—JANUARY 1908.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 24' W.$  Lat.  $50^{\circ} 55' N.$  Gravity Correction,  $+0.016$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Sun.	Min.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
	ins.	ins.							in.	in.	%	%	m. p. h.	m. p. h.			ins.	hrs.					
1	29.91	30.11	35.1	33.9	31.8	36.9	2.5	3.0	1.56	1.37	76	71	NE	4	NE	5	10	10	—	0.5	27.9	Fine intervals.	
2	30.25	29.30	28.0	27.4	34.4	1.5	0.1	1.28	1.50	76	98	NE	4	NE	4	0	0	0	—	7.1	22.9	Fine, but cold.	
3	16	13	24.0	25.6	22.8	32.4	0.1	0.7	1.25	1.15	97	83	NE	4	NE	3	0	0	—	6.4	18.0	— a. Fine day.	
4	16	20	26.5	31.8	20.7	37.9	0.4	0.3	1.31	1.13	92	96	NE	3	NE	4	1	10	—	5.2	11.8	— a. Fine, but cold.	
5	30	30.35	25.0	22.5	22.5	35.3	0.0	0.2	1.35	1.14	100	94	NW	1	NE	2	10	0	0	3.3	16.0	— a. Fine day. ~ p.	
6	30.05	29.87	44.9	48.3	19.9	50.2	0.8	0.8	2.78	3.19	94	95	SW	2	SW	2	10	10	0	1.20	—	15.0	—
7	29.58	18	48.1	46.0	44.5	50.9	0.8	0.8	3.16	2.92	94	94	SW	4	SW	4	10	10	—	1.160	0.2	43.0	▲ <sup>2</sup> Fair noon—3p.
8	02	30	42.9	38.9	37.6	46.7	4.9	1.2	1.82	2.12	67	90	NW	6	NW	4	10	10	—	0.35	0.5	36.0	● till 6a.
9	29.64	29.89	35.0	32.0	31.3	39.6	2.6	1.0	1.54	1.57	75	87	NE	4	NE	5	10	10	—	0.3	27.9	* <sup>0</sup> in afternoon. ~ p.	
10	30.22	30.37	29.5	27.0	27.0	35.9	1.1	0.2	1.33	1.40	82	95	NE	4	NE	3	2	0	—	4.1	20.5	Fine, but cold. ~ p.	
11	41	35	27.2	27.2	20.8	33.3	0.2	0.7	1.42	1.26	96	86	NE	2	NE	2	0	0	—	1.6	16.3	Fine, but cold.	
12	24	13	26.5	32.2	22.8	40.6	0.6	0.4	1.25	1.14	87	95	NE	2	NE	4	1	0	—	6.5	16.6	— a. Fine day. * <sup>0</sup> n.	
13	11	15	35.1	40.7	30.3	44.1	1.6	1.6	1.73	2.19	84	87	ESE	2	SE	3	3	8	—	4.7	25.0	— a. U p.	
14	21	19	41.9	40.1	39.9	46.6	1.2	0.6	2.41	2.36	92	95	SE	3	SE	3	10	5	—	0.08	—	32.5	Dull.
15	30.15	30.06	44.1	47.0	38.9	49.5	0.6	0.9	2.76	3.01	95	94	SE	3	SW	4	10	10	—	0.40	0.6	32.2	Dull day.
16	29.97	29.99	49.7	49.0	46.9	50.8	0.9	0.3	3.34	3.40	94	98	SW	5	SW	4	10	10	—	1.40	—	45.3	Dull, with <sup>0</sup> .
17	30.00	30.05	49.2	49.8	48.0	52.7	1.0	0.9	3.24	3.35	93	93	SW	2	SW	1	10	10	—	0.18	4.7	47.0	Dull, then fine.
18	27	27	34.9	32.5	32.1	50.5	1.7	0.2	1.69	1.81	83	98	SW	2	NW	3	10	10	—	0.18	1.1	30.0	most of day.
19	23	22	40.0	40.9	32.1	43.5	0.4	0.5	2.39	2.45	97	96	NE	3	NW	2	10	10	—	—	—	31.8	▲ <sup>2</sup> a. Dull day.
20	40	52	37.9	34.9	34.3	45.5	0.7	1.0	2.13	1.83	94	91	NE	4	NE	4	10	0	—	5.5	28.0	Dull, then fine. ~ p.	
21	50	41	34.0	35.1	32.2	42.3	0.8	1.0	1.80	1.85	91	90	NE	4	NE	4	10	10	—	1.5	26.4	Dull till 11a., then fine.	
22	35	36	40.1	39.0	34.2	42.4	2.0	0.9	2.08	2.20	84	93	SE	4	SE	3	10	0	—	0.10	—	32.5	Dull day.
23	40	41	41.0	37.1	37.1	48.9	0.2	0.3	2.53	2.15	98	97	SE	3	SE	3	10	0	—	4.3	31.0	— till 11a.	
24	41	37	30.2	32.5	30.2	38.8	0.1	0.3	1.66	1.79	98	97	NE	3	NE	2	10	10	—	0.15	—	26.0	— a. ~ all day.
25	34	35	30.2	39.4	30.5	40.1	0.2	0.4	1.77	2.33	97	97	NE	2	SW	3	10	10	—	0.60	—	30.0	~ till evening. ● noon—2p.
26	30.27	30.05	46.2	49.1	39.0	50.0	1.0	0.7	2.90	3.31	93	95	SW	2	SW	4	10	10	—	0.70	—	37.6	—
27	29.93	29.89	50.0	49.4	48.8	54.3	0.8	3.6	3.39	2.68	94	76	SW	3	NW	5	10	0	—	—	—	47.6	—
28	05	29.32	43.9	39.8	38.4	50.6	2.9	1.9	2.25	2.08	78	85	SW	4	NE	3	5	0	—	1.00	2.6	34.2	▲ <sup>2</sup> shower 2p.
29	29.81	30.00	36.8	35.1	34.7	45.2	3.6	1.0	1.54	1.85	71	90	NE	5	NW	3	0	2	—	0.70	6.3	30.9	Fine day. * <sup>0</sup> (sleet) 7p.
30	30.17	30.06	32.0	39.4	30.4	41.5	1.8	1.3	1.41	2.16	77	90	NW	3	SW	3	8	10	—	2.1	25.2	~ a. Fine day. ~ p.	
31	29.94	29.81	41.3	44.7	37.1	48.9	1.5	2.8	2.29	2.35	88	79	NW	3	NW	3	10	3	—	0.20	2.7	31.5	Fine day.
M.	30.098	30.084	37.3	37.7	33.0	43.9	1.2	1.0	2.04	2.14	88	91		3.2	3.3	7.5	5.4	1.902	72	28.9			

## PLYMOUTH, DEVON, a.—JANUARY 1908.

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°81	30°00	35°7	34°0	33°0	37°1	1°8	1°8	177	160	85	81	NE	19	N	ENE	17	9	10	—	0°2	32°1	Dull and cold.	
2	30°10	°09	33°9	34°0	29°1	36°0	1°0	0°7	175	151	89	89	E	20	N	NE	22	7	10	—	3°5	26°4	Fine day.	
3	°07	°03	25°0	25°2	24°0	30°4	0°4	0°2	120	148	89	96	E	18	N	NE	11	6	0	—	5°4	22°2	Fine day.	
4	°07	°13	29°5	25°3	25°0	35°1	0°3	3°1	155	147	95	71	E	9	E		8	0	10	—	3°7	19°2	Fine day.	
5	°27	29°39	27°2	32°0	25°2	39°0	2°2	2°0	086	137	59	75	—	2	N		6	0	10	°10	3°4	20°6	~ a, fine later.	
6	30°04	29°90	49°9	48°2	31°0	50°0	0°1	0°3	356	330	100	98	W	20	W		10	10	10	°20	—	29°1	Overcast all day.	
7	29°49	°05	50°0	44°1	42°0	51°2	0°5	1°9	348	247	97	85	SW	24	W		26	7	10	°10	°71	0°6	41°5	• showers.
8	°18	°41	42°0	41°6	40°0	44°1	3°4	2°9	200	206	76	79	NW	25	NW		15	8	10	°03	1°8	34°9	• showers. Bright intervals.	
9	29°63	29°58	36°5	33°9	32°8	41°6	4°0	3°2	146	133	67	69	NNE	17	NE		14	7	0	—	3°9	27°9	Fine and cold.	
10	30°17	30°32	31°5	29°4	28°0	35°1	0°6	1°3	163	127	92	79	NE	11	—		2	0	0	—	6°1	20°3	Fine and cold.	
11	°34	25°25	34°0	26°9	38°0	0°5	2°8	142	142	91	73	—	0	E		9	0	0	—	5°1	15°6	Fine and cold.		
12	30°09	29°97	38°8	38°0	30°0	43°8	3°8	2°0	166	190	71	83	E	16	ESE		15	0	3	—	7°3	20°5	Very fine day.	
13	29°96	30°02	43°0	45°5	36°8	40°0	1°4	1°2	247	277	89	91	SE	8	SE		9	9	10	°13	3°0	30°9	Fine day.	
14	30°11	30°10	48°5	47°9	44°5	49°0	0°9	0°8	319	312	93	95	SE	9	SSE		11	10	10	°03	—	41°3	Dull, with • showers.	
15	30°05	29°49	48°5	49°0	40°9	50°5	0°4	0°1	330	345	97	99	S	11	SSW		19	8	10	°11	—	43°1	Overcast, with • showers.	
16	29°90	29°92	50°5	51°2	47°8	55°9	0°6	1°1	352	348	95	93	SW	22	S		18	10	10	°18	—	46°7	• showers.	
17	29°92	30°02	50°0	48°1	47°0	57°0	0°1	0°3	358	329	99	98	S	16	W		7	9	0	°02	3°6	40°9	Fine a. Dull afternoon.	
18	30°21	°21	38°3	36°9	35°3	48°1	0°0	0°0	231	219	100	100	—	0	W		4	10	10	°01	1°6	30°8	~ all day.	
19	°14	°17	42°7	39°9	30°7	46°1	0°5	1°1	263	224	96	91	W	6	—		4	0	10	—	—	—	32°9	Overcast day.
20	°34	°43	42°6	36°2	35°9	46°3	2°2	0°9	227	197	84	92	E	5	E		5	2	8	—	7°0	29°4	Beautifully fine.	
21	°41	°29	41°2	42°1	35°2	42°5	3°2	2°3	196	220	76	83	SE	17	SE		5	9	8	—	0°2	30°9	Dull day.	
22	°23	30°41°0	45°5	39°2	46°4	1°3	0°3	229	297	90	97	SE	7	E		14	10	10	—	—	37°9	Dull day.		
23	°30	31°47°1	44°0	43°4	50°8	1°1	1°1	297	263	92	91	SE	7	E		11	10	0	°01	2°3	37°8	Fine day.		
24	°32	°28	43°7	42°7	42°0	46°1	0°9	0°8	265	257	92	93	SE	14	ESE		13	8	9	°06	1°7	35°2	Fine day.	
25	°28	°40	45°0	47°6	41°9	52°0	0°1	1°4	297	295	99	90	—	3	SW		9	10	10	°03	3°7	36°8	Fine day.	
26	°28	°09	47°8	50°0	46°1	50°1	0°7	0°2	314	356	95	99	WSW	21	WSW		18	10	10	°09	—	40°1	—	
27	30°02	30°02	51°9	49°1	47°4	52°4	0°6	2°3	370	293	96	84	W	12	WNW		11	10	10	°01	—	44°5	Dull day.	
28	29°71	29°43	45°9	42°5	38°9	48°1	2°7	4°8	249	181	81	66	W	19	NW		19	9	10	°18	3°2	37°0	—	
29	29°87	30°02	37°9	39°1	35°0	44°5	3°1	3°1	172	180	75	76	N	11	NNW		16	2	0	—	6°9	30°0	Fine day.	
30	30°16	29°98	34°5	44°8	33°0	45°0	1°8	1°3	165	267	82	90	—	0	NW		9	10	0	°02	—	26°0	•	
31	30°00	29°89	44°2	46°8	40°0	47°1	2°3	2°8	240	255	82	80	NW	9	W		6	9	8	—	0°2	30°2	Dull day.	
M.	30°046	30°038	41°1	41°2	36°8	45°3	1°4	1°6	237	233	88	87	—	—	—	—	7°1	6°9	1°79	72	32°0			

\* No record.

ARMAGH, a.—JANUARY 1908.

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.		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.								
1	ins.	ins.	35.0	30.5	30.5	38.0	2.1	3.0	in.	in.	%	%	m. p. h.	m. p. h.			ins.	hrs.		
2	29.93	30.13	35.0	30.5	30.5	38.0	2.1	3.0	162	102	80	60	NE	4	ENE	7	10	3	28.0	
3	30.25	30.25	32.4	27.2	27.2	37.0	1.6	2.0	149	091	81	62	—	3	—	2	1	8	0.3	
4	30.21	30.16	34.0	30.0	27.2	36.3	1.0	2.2	176	112	89	67	NE	4	ENE	7	8	0	4.7	
5	30.09	30.09	24.5	23.0	22.0	33.5	0.5	0.5	115	105	87	85	—	2	—	2	0	0	2.4	
6	30.05	29.73	30.4	39.5	16.6	39.5	0.8	1.8	149	207	87	86	S	9	S	18	2	10	22.0	
7	29.45	29.45	48.8	40.5	39.3	51.3	0.2	1.1	341	228	98	91	SW	18	—	3	10	10	73.3	
8	29.16	29.02	33.3	35.8	33.0	40.5	0.1	0.3	188	205	99	98	NNE	5	NW	6	10	3	165	
9	29.24	29.60	37.0	28.8	28.8	44.2	0.5	2.2	210	101	96	93	N	10	—	2	10	3	—	
10	29.78	30.01	32.0	33.0	27.9	38.0	1.2	1.5	153	157	84	83	—	2	—	2	3	9	4.6	
11	30.16	30.13	29.0	28.2	24.8	37.2	1.0	1.0	130	124	82	81	—	2	SSW	7	0	2	6.3	
12	30.06	29.95	35.1	36.6	28.2	37.0	1.1	3.1	183	162	89	74	SW	12	S	13	10	10	—	
13	29.92	29.75	36.2	37.2	32.3	41.7	2.6	2.5	166	175	78	80	S	7	SSE	8	0	5	6.8	
14	29.73	29.82	41.5	44.0	36.1	45.0	0.8	0.8	245	270	94	94	SSE	10	S	7	10	10	—	
15	29.78	29.65	46.4	46.5	43.7	49.5	0.7	1.3	299	286	95	90	S	14	S	17	9	10	177	
16	29.63	29.30	43.7	47.0	41.8	49.0	1.0	1.1	262	296	92	92	SSW	7	SSW	18	3	10	160	
17	29.42	29.42	49.5	50.7	44.0	53.0	1.8	1.0	309	345	88	93	SW	16	S	10	10	10	048	
18	29.31	29.60	51.5	42.2	42.2	53.1	1.2	2.2	349	223	91	84	SSW	15	SW	12	10	0	040	
19	30.01	30.01	39.5	39.0	36.8	46.8	1.2	1.5	218	209	90	88	SSW	6	S	7	0	2	—	
20	29.90	29.06	39.4	33.3	33.3	43.0	1.2	0.8	218	174	91	91	SSW	11	SW	5	8	0	050	
21	30.22	29.19	33.5	34.7	32.0	42.2	1.5	2.0	162	162	84	80	SW	4	SSW	7	0	0	—	
22	29.19	30.12	39.4	39.5	34.5	45.2	1.0	2.2	222	200	92	82	S	11	S	6	8	9	—	
23	30.02	29.92	39.4	44.5	36.0	44.5	2.8	2.5	188	238	78	81	SSE	9	S	15	9	6	—	
24	29.98	30.15	47.6	45.0	43.8	52.0	0.5	0.4	317	289	97	97	S	11	—	1	10	10	037	
25	30.19	30.06	45.3	44.7	44.0	49.0	0.8	1.5	284	262	94	89	SE	4	—	2	10	10	—	
26	29.88	29.96	44.3	41.8	40.2	47.1	1.8	1.8	252	227	86	86	SSW	18	SW	9	10	10	190	
27	29.56	29.71	49.6	45.5	41.6	51.7	0.6	0.7	340	289	96	95	SW	23	—	2	10	10	066	
28	29.50	29.47	51.7	41.7	41.7	53.0	2.0	2.2	332	219	87	84	WSW	15	WSW	15	10	10	350	
29	29.13	29.44	34.6	32.5	32.5	44.2	0.6	1.2	189	159	94	86	SW	11	N	5	8	0	097	
30	29.79	30.07	33.2	34.3	31.7	42.0	0.4	0.6	181	186	95	94	WSW	5	—	2	4	10	015	
31	29.84	29.82	36.7	40.0	32.0	47.0	0.4	2.8	210	193	97	78	SW	11	WSW	4	10	10	020	
31	29.70	29.72	42.5	38.0	38.0	44.1	1.3	3.0	243	173	90	75	SW	6	WNW	7	10	0	025	
M.	29.810	29.833	39.3	37.9	34.3	44.4	1.1	1.6	224	199	90	84		9		7	6.9	6.4	2.427	

MARKREE CASTLE, SLIGO, a.b.—JANUARY 1908.

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°03	30°17	35°5	35°0	34°0	39°3	2°5	3°2	*160	*145	77	71	NE	1	N	1	9	5	—	1°3	28°0	Fine cool day.	
2	°19	°30	35°0	33°8	30°3	38°3	3°0	3°0	*148	*136	72	70	SE	2	E	4	0	4	—	5°8	20°5	Fine day.	
3	°27	°23	30°0	28°0	26°3	37°5	1°0	1°0	*140	*122	83	80	SE	1	SE	3	7	0	—	4°4	15°0	Fine day.	
4	°22	30°18	18°0	24°8	16°0	34°9	0°5	0°8	*081	*106	83	79	Calm	0	SE	2	2	0	—	3°0	9°0	Fine day.	
5	30°12	29°80	33°5	43°0	22°5	43°3	1°0	1°0	*172	*255	89	92	SE	4	S	5	10	10	°37	—	16°0	—	Dull a. from 3p.
6	29°64	°64	51°0	39°5	38°9	51°5	0°7	0°7	*356	*228	95	94	SW	1	Calm	0	10	10	°60	—	36°0	—	Overcast, with s.
7	°25	°22	36°0	37°5	34°4	40°9	1°0	0°5	*193	*214	91	95	NNE	3	NW	5	10	7	°50	—	30°5	—	Overcast day.
8	°40	29°71	39°0	32°0	30°5	41°7	2°5	2°0	*190	*137	81	75	NW	4	Calm	0	9	0	—	5°4	21°5	Fine day.	
9	29°94	30°15	30°0	26°0	25°0	40°5	3°0	0°0	*096	*141	58	100	Calm	0	Calm	0	0	0	—	—	16°5	—	Fine day.
10	30°30	°23	20°0	32°0	17°3	37°5	0°0	1°5	*108	*147	100	81	Calm	0	Calm	0	0	10	—	3°6	10°5	Fine day.	
11	30°12	30°00	36°0	37°8	31°8	38°5	2°0	2°9	*175	*174	82	76	SW	4	S	4	10	9	—	—	28°6	—	Dull and cool.
12	29°96	29°77	32°7	36°8	31°2	39°5	1°7	1°8	*150	*184	81	85	SE	4	SE	5	0	10	°01	6°7	27°0	—	Fine day.
13	°76	°87	43°0	45°0	36°3	47°7	1°0	1°0	*255	*275	92	92	SE	3	S	3	10	10	°19	—	33°5	—	Overcast day.
14	°85	°70	48°4	48°5	44°0	51°2	0°9	1°5	*318	*303	94	89	SE	4	SW	4	10	10	°13	—	42°0	—	Overcast, with s showers.
15	°68	°35	42°8	50°0	41°5	50°4	1°3	1°0	*247	*334	90	93	S	2	SW	7	6	10	°27	1°0	37°5	—	Fair a. s showers p.
16	°51	°44	48°9	52°0	47°9	52°5	1°9	0°5	*299	*375	87	97	Calm	0	SW	4	10	10	°30	0°6	43°8	—	Fair a.
17	29°35	29°73	51°0	43°0	42°9	52°0	1°0	2°0	*348	*234	93	84	SSW	5	SW	2	10	2	°09	1°3	36°0	—	s showers from noon.
18	30°10	30°05	39°0	37°0	37°0	48°3	1°0	0°2	*218	*216	92	98	SE	0	Calm	0	1	1	°02	4°8	30°5	—	
19	29°94	°16	42°0	38°0	35°5	44°5	2°0	1°2	*225	*204	85	89	SSE	4	Calm	0	10	1	°12	0°8	29°5	—	
20	30°30	°26	28°0	35°0	27°1	42°4	0°5	1°0	*137	*184	89	90	SE	2	SE	3	0	0	—	5°0	19°5	—	Fine day.
21	°24	30°15	36°0	41°0	33°0	45°4	1°5	2°0	*184	*215	87	84	SE	4	SE	1	5	10	—	5°5	28°5	—	Fine day.
22	°01	29°96	40°0	46°5	37°0	46°5	2°0	1°5	*207	*281	84	89	SE	5	SE	5	10	10	°26	1°1	37°8	—	
23	°05	30°20	43°3	45°0	41°8	48°5	0°3	0°2	*273	*294	98	98	Calm	0	Calm	0	7	10	°13	0°5	37°5	—	Fine day.
24	30°21	°09	45°0	47°0	44°5	47°5	1°0	1°2	*275	*293	92	92	SE	3	SE	4	10	7	—	0°1	43°0	—	Overcast day.
25	29°97	30°06	46°5	40°0	40°0	48°5	2°1	1°0	*268	*226	85	92	S	3	SW	2	10	5	°56	—	34°8	—	s showers, heavy at times.
26	°71	29°81	50°0	44°9	39°8	52°0	0°5	0°9	*348	*276	97	93	SW	5	S	1	10	10	°19	—	35°0	—	s showers.
27	°66	°61	51°3	40°4	40°0	53°1	1°0	2°4	*352	*203	93	81	W	4	WNW	6	10	3	°21	1°8	36°0	—	s showers.
28	°24	29°67	37°0	37°8	34°5	44°8	3°0	1°8	*165	*192	75	85	WNW	6	NW	2	10	10	°25	0°6	31°8	—	* s showers.
29	°95	30°21	37°0	37°0	33°5	42°8	1°0	2°0	*200	*182	91	83	NW	1	NW	1	5	3	°12	5°4	27°0	—	s showers.
30	°96	29°97	42°0	43°8	31°7	47°8	0°0	2°8	*226	100	78	SW	1	NW	3	10	9	°07	—	26°0	—		
31	29°86	29°90	44°0	42°0	41°9	45°9	2°0	3°0	*244	*207	84	78	NW	3	NW	4	9	3	°05	0°5	37°0	—	
M.	29°897	29°922	39°1	39°4	34°5	45°0	1°4	1°5	*219	*216	87	87	2°5		2°6	7°1	5°8	4°44	59	29°2			



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHOENIX PARK), a.—JANUARY 1908.

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.		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.	Min.	Max.	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.	%	%	m. p. h.	m. p. h.			ins.	hrs.			
2	29.93	30.12	37.7	36.1	35.4	38.4	3.4	3.2	1.64	1.55	72	72	ENE 12	ENE 9	10	0	—	0.2	30.0		
3	30.26	30.25	36.6	36.5	34.6	39.0	4.4	3.1	1.39	1.60	65	74	E 14	ENE 13	4	10	—	3.4	30.0	Cloudy day.	
4	30.22	30.17	33.7	33.2	31.9	37.1	0.2	0.3	1.90	1.84	98	97	ENE 12	ENE 8	3	0	—	4.8	25.9	Cloudy day.	
5	30.16	30.14	20.4	19.1	18.3	39.6	0.3	0.4	1.00	0.89	91	87	—	1	0	0	—	3.0	13.2	Cloudy day.	
6	29.94	29.91	19.1	43.0	18.0	43.3	0.4	1.3	0.89	2.49	87	90	—	1	SSW 12	0	10	1.10	1.6		
7	29.66	29.61	51.6	42.5	42.0	53.1	1.1	0.0	3.53	2.72	93	100	SW 18	—	1	10	10	7.30	—	● showers.	
8	29.18	29.07	47.6	37.3	36.3	48.0	0.6	0.7	3.15	2.09	96	94	SW 6	WNW 11	10	10	10	2.95	—	● showers.	
9	29.21	29.60	36.9	36.9	35.9	39.5	1.0	3.2	2.00	1.62	92	75	NW 16	NNE 14	10	6	0	0.45	—	● showers.	
10	29.78	30.03	33.7	35.6	30.0	38.3	1.0	4.0	1.73	1.38	89	65	NNW 6	NE 7	6*	4	0	0.45	2.7	Cloudy, with *.	
11	30.23	30.23	31.7	26.9	26.9	36.6	1.3	1.2	1.49	1.09	82	75	—	2	3	10	0	—	1.7		
12	30.20	30.09	35.6	37.3	23.3	37.5	0.5	2.6	1.99	1.75	96	79	SSW 8	SSW 6	10	10	10	—	1.5		
13	29.99	29.84	25.0	39.9	23.9	41.6	0.3	3.4	1.24	1.82	92	74	—	1	ESE 8	0	10	—	6.4		
14	30.81	30.92	42.4	44.4	38.9	47.0	0.9	0.6	2.52	2.78	93	95	—	3	SE 4	8	10	—	—	Fine day.	
15	30.90	30.79	46.6	50.8	43.4	53.0	0.5	1.7	3.05	3.28	97	88	—	3	S 10	10	10	—	33.8	Fine, but overcast.	
16	30.73	30.48	44.8	49.3	44.4	51.6	0.9	1.3	2.76	3.18	93	91	SW 4	SSW 26	5	10	10	2.85	0.6		
17	30.54	30.54	52.1	52.0	48.4	53.1	1.0	0.7	3.03	3.69	93	95	SW 11	SSW 14	10	10	10	1.45	3.0	● midnight-7a.	
18	29.46	29.75	52.4	45.0	44.8	53.0	1.5	2.4	3.53	2.45	90	82	SSW 27	SW 14	8	3	1	0.10	—		
19	30.11	30.10	39.7	33.6	31.9	47.8	1.3	0.8	2.18	1.76	89	91	SW 5	—	1	0	8	1.55	1.6	● 10a.-2p.	
20	30.00	30.14	40.5	35.6	32.4	46.4	1.9	0.4	2.13	2.01	85	97	S 7	W 4	7	0	0	0.6	38.9	Fine and bright.	
21	30.32	30.31	28.2	27.7	25.3	46.8	0.5	0.6	1.39	1.33	90	88	—	2	2	0	0	1.4	25.0	Cloudy day.	
22	30.29	30.19	40.0	27.2	25.3	46.9	2.5	0.3	1.99	1.39	80	94	SSW 5	—	1	5	0	1.5	22.5	Fine and bright.	
23	30.09	30.02	39.8	48.6	21.9	48.9	2.1	2.2	1.97	2.90	83	85	—	3	SSE 11	8	6	7.0	20.0	Fine day.	
24	30.08	30.21	51.0	47.6	46.2	52.3	2.8	2.0	3.13	2.82	81	86	SSW 9	—	2	10	0	0.2	18.0	Cloudy day.	
25	30.23	30.12	47.4	36.6	36.0	48.8	3.7	0.0	2.43	2.17	75	100	E 7	—	1	10	0	0.05	—		
26	30.05	30.09	43.5	43.0	36.0	49.2	2.7	1.2	2.25	2.51	79	90	SW 13	SW 6	5	10	0	0.1	30.9	Fine, but overcast.	
27	29.76	29.78	49.6	49.8	41.9	52.2	1.6	0.7	3.14	3.39	89	95	SW 20	WSW 10	10	10	10	1.4	31.5	● showers.	
28	29.65	29.63	51.6	42.9	42.4	53.1	0.6	2.7	3.66	2.20	96	80	WSW 20	WSW 16	10	10	10	0.80	0.1	● showers.	
29	29.34	29.50	34.2	36.8	33.5	43.2	0.5	2.1	1.88	1.80	95	82	WSW 16	NW 11	10*	0	0	0.125	0.3	● showers.	
30	29.86	30.13	33.9	35.5	30.9	42.1	0.8	1.8	1.79	1.74	91	84	W 6	—	3	7	0	1.00	2.3	* showers.	
31	30.02	29.91	38.6	40.9	31.6	47.0	1.2	1.6	2.11	2.22	91	87	SW 7	WSW 8	10	0	10	0.15	5.8		
31	29.83	29.82	41.9	39.5	39.0	48.1	1.5	2.0	2.35	2.04	89	84	WSW 9	WSW 8	4	3	0	0.20	2.7	● showers a.	
M.	29.905	29.921	39.6	39.1	33.9	45.9	1.4	1.6	2.25	2.15	88	86	—	—	9	8	6.9	5.2	2.320	63	28.7

## BIRR CASTLE, KING'S CO., a.b.—JANUARY 1908.

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	29.87	30.04	34.7	32.5	29.7	35.7	1.5	1.6	1.72	1.50	85	82	E	2	ESE	2	10	10	—	—	Overcast day.
2	30.16	30.18	30.7	32.8	27.9	35.7	1.8	2.6	1.29	1.35	74	72	E	2	SE	4	0	4	—	6.0	Fine day.
3	30.16	30.09	29.7	24.7	23.6	33.8	0.8	0.8	1.44	1.05	87	80	E	3	E	2	0	4	—	6.1	Fine day.
4	30.12	30.11	15.8	19.7	15.2	31.7	0.6	0.8	0.71	0.79	80	75	Calm	0	SE	2	0	4	—	3.6	Fine day. Very cold.
5	30.09	29.86	30.8	44.7	11.8	45.7	0.9	1.7	1.50	2.57	87	87	SSE	1	SW	4	9	10	1.192	—	Overcast day.
6	29.65	29.56	51.3	43.3	41.8	51.3	0.6	1.2	3.62	2.54	96	91	W	5	W	1	10	10	0.698	—	Overcast day.
7	29.15	29.17	46.3	36.3	33.8	49.1	0.6	1.1	3.00	1.94	96	91	Calm	0	NW	3	10	10	0.470	—	Overcast day.
8	29.28	29.67	36.8	32.8	30.8	47.0	1.5	1.5	1.90	1.55	88	83	NW	4	NNW	3	4	0	—	0.1	Cloudy, with <sup>o</sup> showers.
9	29.76	29.99	23.7	31.0	22.6	41.8	0.8	1.1	0.99	1.46	79	84	Calm	0	Calm	0	10	—	—	4.3	Fine day.
10	30.21	30.21	23.0	26.6	20.8	37.0	0.3	1.6	1.12	0.96	91	67	Calm	0	Calm	0	3	—	—	4.1	Fine day.
11	30.14	30.03	34.8	36.7	23.0	43.0	1.0	2.7	1.82	1.68	91	77	SE	1	SSW	1	8	10	—	—	Dull and cold.
12	29.91	29.72	31.7	41.1	29.8	41.7	0.8	2.2	1.60	2.12	90	82	Calm	0	SSE	3	0	10	0.010	6.6	Fine day. Dull n.
13	30.69	30.81	45.3	46.1	39.8	48.7	1.2	1.4	2.74	2.79	91	90	SSE	4	SSE	3	10	10	—	—	Overcast day.
14	30.81	30.70	48.7	50.0	43.8	51.1	0.8	1.1	3.24	3.32	94	92	S	1	S	3	10	10	0.332	0.1	Overcast day.
15	30.69	30.45	42.0	50.0	41.0	50.8	0.9	2.1	2.47	3.07	93	85	S	2	S	4	6	10	0.228	2.3	Cloudy day.
16	30.50	30.48	51.7	52.6	48.8	53.3	1.1	1.3	3.55	3.61	92	91	SW	2	WSW	2	10	10	0.151	—	showers.
17	29.40	29.76	51.7	45.7	43.8	52.7	1.2	1.7	3.52	2.68	92	88	SSW	5	WSW	4	10	4	0.080	1.5	Cloudy day.
18	30.08	30.00	35.7	48.5	33.9	53.8	0.8	1.5	1.96	3.03	93	89	Calm	0	SW	2	0	7	0.064	5.2	Fine day. W 8.30p.
19	29.95	29.88	38.8	33.1	31.4	48.7	0.9	1.2	2.19	1.64	93	87	S	2	S	1	9	4	0.058	—	Overcast, with ●.
20	30.27	30.25	29.1	34.7	25.0	45.1	0.2	0.7	1.55	1.88	96	93	Calm	0	SSE	1	0	3	0.018	5.8	Fine day.
21	30.21	30.11	37.7	41.7	32.6	45.7	0.0	2.7	2.26	2.09	100	80	SSE	1	S	4	7	10	0.020	4.3	Gloomy a. Fine day.
22	29.98	29.90	41.8	48.7	37.7	49.7	1.9	1.9	2.27	2.98	86	87	SSE	2	SSE	5	9	10	0.030	0.6	Cloudy and cool.
23	29.98	30.13	48.1	48.7	47.0	49.7	0.4	0.6	3.26	3.28	97	96	S	1	Calm	0	10	10	0.004	—	Overcast day.
24	30.15	30.07	46.4	47.6	44.8	49.7	1.3	0.9	2.84	3.08	91	94	S	3	SSE	2	10	10	0.035	—	Overcast day.
25	30.01	30.08	44.8	43.9	37.9	49.7	2.1	0.9	2.50	2.66	85	93	SSW	2	S	1	9	4	0.128	0.1	Gloomy a. Fine day.
26	29.84	29.81	50.3	50.3	39.8	52.0	1.2	1.2	3.34	3.34	92	92	SW	4	WSW	3	10	10	0.141	—	Overcast.
27	29.69	29.69	51.7	44.6	42.1	53.7	0.8	2.4	3.62	2.41	94	82	WSW	5	W	6	10	9	0.140	1.4	Cloudy day.
28	30.35	30.56	35.7	37.1	33.8	50.5	1.2	0.6	1.88	2.09	89	95	SSW	6	WSW	5	10	9	0.096	1.4	Cloudy, with ● showers.
29	30.15	30.15	33.7	32.7	31.8	45.8	0.8	0.9	1.78	1.67	91	89	Calm	0	NW	2	4	3	0.024	4.2	Fine day.
30	30.06	29.96	33.1	43.6	29.7	47.7	0.3	3.7	1.82	2.08	96	73	SW	2	W	3	10	6	0.080	0.2	Dull a. Cloudy day.
31	29.87	29.85	43.6	39.7	39.7	46.8	1.7	0.7	2.47	2.30	87	94	W	2	W	3	10	4	0.020	1.3	Cloudy day. ● showers n.
M.	29.866	29.885	38.7	40.0	33.4	46.4	1.0	1.5	2.26	2.24	90	86	—	2.0	—	2.5	6.7	7.4	3.019	59	—

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JANUARY 1908.

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.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.
2	— 1	— 0	7, 6	1	9, 25	10, 21	10, 18	10, 18	10, 26	10	7, 37	7, 43	7, 41	8, 41	7, 45	16
3	— 2	— 3	23, 24, 4	20, 23, 24	11, 9	12, 8	32, 6	10, 5	10, 14	2	8, 32	8, 32	7, 36	7, 32	7, 37	17
4	25, 5	27, 7	26, 11	22	—, 2	27, 5	— 2	28, 4	— 6	—	7, 32	8, 29	6, 31	7, 26	7, 32	4, 6, 11
5	26, 4	— 3	26, 7	16	26, 9	26, 6	26, 6	27, 6	26, 28, 9	5, 8-11	6, 6	— 2	29, 4	28, 4	7, 21	1
6	18, 15	20, 18	17, 21	14	24, 8	23, 4	21, 12	21, 15	20, 15	23, 5	27, 4	25, 6	24, 7	28, 7	7, 5	5
7	21, 36	29, 27	21, 36	13	21, 27	22, 19	25, 20	26, 10	21, 27	9	19, 20	20, 18	22, 20	22, 15	21, 21	14
8	9, 7	11, 25	10-7, 26	19-24	— 3	12, 16	15, 8	19, 5	9, 23	15	21, 6	19, 12	18, 11	17, 10	24, 15	2
9	2, 25	3, 26	6, 30	3	3, 18	4, 24	3, 21	3, 18	4, 26	12	4, 15	4, 13	32, 7	31, 10	1, 26	22
10	3, 8	30, 4	4, 23	1	5, 18	5, 17	5, 17	6, 18	5, 23	11	3, 28	3, 32	5, 36	4, 34	4, 37	15, 17
11	22, 19	20, 16	22, 26	24	25, 8	25, 8	25, 7	24, 7	23, 12	23	3, 15	1, 12	28, 6	25, 6	4, 32	1
12	19, 18	21, 25	20, 31	1	23, 11	20, 10	21, 12	20, 15	20, 24, 15	7, 20	23, 7	23, 9	20, 8	22, 6	20, 10	20
13	19, 18	12, 18	22, 25	6	18, 10	19, 12	20, 12	20, 16	18, 23	11	22, 5	18, 3	13, 12	13, 17	13, 21	22, 23
14	15, 24	18, 16	15, 29	6-7	18, 17	17, 10	20, 12	20, 14	18, 21	11	14, 7	14, 10	14, 8	14, 7	13, 15	1, 5-7
15	15, 10	17, 7	15, 16, 10	12-15	21, 10	20, 10	19, 10	18, 10	18, 18	22	— 3	21, 7	18, 6	19, 5	19, 9	20
16	19, 18	17, 17	15, 34	23	*	*	— 2	22, 10	19, 14	3	19, 4	19, 9	19, 7	19, 12	18, 13	22-24
17	24, 34	24, 16	24, 34	13	20, 23	20, 24	22, 23	22, 19	21, 17	24	20, 12	21, 12	21, 10	22, 10	20, 18	6, 7
18	22, 15	20, 12	26, 33	3	23, 10	25, 7	— 3	23, 7	22, 21	12	21, 9	20, 15	20, 15	20, 12	20, 15	14, 18
19	17, 23	22, 13	17, 23	11	25, 7	24, 11	19, 8	19, 7	20, 15	11, 15	24, 7	25, 6	25, 4	25, 4	22, 10	1
20	19, 14	18, 26	20, 29	23	20, 9	22, 7	19, 4	20, 7	20, 16	24	25, 7	30, 6	30, 4	30, 4	25, 9	7, 8
21	22, 21	17, 7	20, 29	1	20, 9	22, 7	19, 4	20, 7	20, 16	5	22, 5	— 3	— 3	21, 4	13, 8	24
22	18, 11	18, 14	17, 18	21	20, 11	21, 10	22, 6	21, 4	20, 21	16	16, 7	17, 7	19, 6	— 2	13, 8	1
23	19, 14	21, 9	16, 25	5	20, 18	19, 18	20, 13	21, 9	18, 21	8	17, 5	16, 6	16, 5	16, 4	16, 8	12, 15
24	14, 12	14, 17	15, 21	24	— 3	16, 4	12, 7	14, 7	18, 12	23	6, 8	6, 6	6, 7	6, 6	6, 10	8
25	20, 24	22, 24	16, 33	12	20, 13	21, 15	23, 11	24, 12	21, 23	14	19, 7	23, 10	* 12	* 13	*	21
26	25, 31	26, 31	25, 35	16	20, 21	22, 22	27, 12	25, 10	23, 24	14	* 10	21, 20	23, 21	24, 17	22, 22	16
27	23, 38	24, 37	23, 24, 39	12, 15, 17	20, 23	24, 32	24, 21	23, 22	24, 32	13	23, 17	23, 18	25, 20	25, 14	26, 21	20
28	32, 20	31, 34	31, 34	18	23, 21	25, 15	27, 10	31, 16	24, 23	3, 6	23, 15	22, 19	26, 12	24, 7	23, 20	11, 12
29	30, 29	29, 26	29, 38	9	24, 8	28, 13	30, 20	28, 13	29, 21	17	28, 10	27, 14	29, 7	27, 12	27, 31	5, 12
30	26, 25	26, 29	25, 37	24	24, 8	22, 13	27, 13	25, 14	24, 19	15	27, 10	23, 12	23, 12	24, 12	22-24, 12	16-19
31	26, 44	27, 48	28, 51	19	26, 15	26, 20	28, 18	27, 13	27, 26	14	24, 14	24, 21	27, 20	26, 18	27, 25	20



## DEERNESS, ORKNEY, a.b.—FEBRUARY 1908.

4/5/

Day.	Barometer at 32° Falt. at Station Level.		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.	Min.	Max.	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.	h.	°		
1	ins.	ins.															ins.	hrs.	°		
2	29.67	29.94	35.5	34.0	32.8	38.8	2.5	1.5	in.	in.	%	%	NNW	34	NW	11	3	4	—	0.8	
3	29.91	29.78	41.5	42.3	32.7	45.0	0.5	0.7	25.1	25.5	96	95	SW	11	SW	16	10	7	16	0.3	
4	29.48	29.97	38.0	37.3	35.5	43.8	1.0	1.3	20.8	19.7	91	89	W	23	NW	20	9	1	—	2.7	
5	30.26	30.18	37.2	41.0	37.0	41.8	1.2	2.0	19.8	21.5	89	84	NNW	4	SW	14	6	10	1	1.6	
6	30.3	30.09	44.8	43.0	37.0	47.8	0.8	3.0	27.8	21.5	94	78	SW	23	W	23	10	0	10	0.7	
7	30.13	30.32	43.2	40.5	40.0	44.0	2.4	1.6	22.8	21.9	82	87	NNW	33	NW	12	2	0	10	0.5	
8	30.13	30.06	46.0	44.0	36.5	46.5	1.0	0.8	28.7	27.0	93	94	W	30	W	43	10	10	10	—	
9	29.89	30.04	41.0	38.2	36.0	44.0	3.8	1.2	18.3	20.6	71	90	NW	32	NW	17	8	9	10	—	
10	30.17	30.04	34.8	39.4	33.2	40.0	2.8	0.4	15.0	23.3	73	97	NW	9	S	15	2	10	10	2.2	
11	30.02	29.98	44.0	44.0	33.0	45.0	0.2	1.0	28.3	26.5	98	92	W	15	S	8	8	9	10	0.7	
12	29.84	29.87	46.2	46.8	43.0	48.6	0.2	0.2	30.8	31.6	99	98	WSW	29	W	26	8	10	10	0.1	
13	29.99	30.05	46.2	45.0	44.0	48.0	1.0	0.5	29.0	28.7	93	96	W	20	W	8	3	8	10	1.6	
14	29.77	29.77	42.3	39.4	37.4	45.6	1.6	1.4	23.6	21.4	88	89	SSE	18	—	3	8	10	10	3.0	
15	29.65	29.77	42.3	40.0	38.4	45.0	1.0	1.5	24.5	23.0	92	88	S	7	S	16	8	10	10	2.1	
16	31	30.40	38.0	37.0	34.0	42.0	1.5	1.0	19.9	20.0	87	91	W	22	W	9	3	10	10	4.2	
17	30.4	30.38	35.0	33.8	40.0	45.0	2.5	0.9	18.4	18.6	79	91	NNW	28	—	2	8	10	10	3.2	
18	29.26	29.13	40.0	42.0	34.4	43.2	2.0	2.2	20.7	22.1	84	84	SSE	33	W	2	10	10	10	—	
19	29.41	29.39	39.1	36.8	34.8	42.6	2.3	3.0	19.4	16.5	82	75	NW	24	NW	24	8	10	10	—	
20	29.44	29.46	39.6	36.8	33.0	40.8	2.0	0.8	19.9	20.2	84	93	NW	15	W	7	3	10	10	—	
21	29.08	29.40	41.2	44.0	35.0	45.0	1.2	0.0	23.3	23.8	91	100	W	11	W	7	8	10	10	—	
22	28.83	28.83	45.0	41.5	38.0	46.8	0.9	1.5	27.7	23.0	93	88	SSW	18	WSW	35	9	10	10	1.9	
23	28.64	28.64	45.0	41.0	38.0	43.8	2.2	0.0	21.1	22.8	83	100	S	34	W	59	10	10	10	—	
24	28.76	28.74	36.0	39.4	34.2	40.0	2.0	1.6	17.5	21.0	82	87	W	41	W	32	3	8	10	—	
25	29.19	29.62	41.8	39.4	34.0	43.0	2.8	1.6	20.9	21.0	79	87	NW	32	NW	26	4	8	10	—	
26	29.49	29.61	36.1	40.7	35.0	41.6	0.8	2.9	19.8	19.7	93	78	—	2	NW	27	10	8	10	—	
27	29.42	29.15	38.8	35.0	35.0	44.8	1.7	1.0	20.3	18.4	86	90	SSW	18	W	16	10	10	10	—	
28	28.85	28.73	30.0	29.0	26.4	38.0	0.6	1.0	15.0	13.0	90	82	W	22	W	20	10	7	10	—	
29	28.48	28.84	30.2	33.4	26.0	33.6	0.7	2.4	15.0	14.3	89	75	SW	15	NNE	21	10	9	10	—	
30	29.14	29.32	37.0	36.5	32.2	37.6	2.0	1.5	18.2	18.7	83	87	N	21	N	29	8	9	10	—	
M.	29.527	29.551	39.8	39.3	35.0	43.0	1.6	1.3	21.6	21.6	87	89		22		20	7.2	7.8	4.26	39	—

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

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



TILLYPRONIE, ABERDEENSHIRE.—FEBRUARY 1908.

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° Faht. at Station Level.		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.	Min.	Max.	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.											9 a.m.
1	ins.	ins.							in.	in.	%	%		†	†			ins.	hrs.	°			
2	28°65	28°92	30°0	29°8	27°3	34°8	0°5	0°6	1°53	1°49	92	90	N	6	NE	4	10	5	15	—	25	* showers.	
3	28°95	28°87	34°1	33°9	27°8	43°5	0°6	2°1	1°85	1°96	94	84	NW	4	SW	4	8	0	06	—	27	Thawing.	
4	28°56	28°93	35°5	33°2	30°3	42°8	2°2	1°2	1°66	1°65	80	87	NW	6	N	6	7	0	07	—	28	Sharp frost, and * showers.	
5	29°23	29°25	34°0	37°1	29°5	49°8	0°5	0°8	1°86	2°05	95	93	N	4	NW	6	9	0	03	—	26	* showers. Cold.	
6	29°13	29°15	42°8	42°0	32°0	47°3	3°3	3°7	2°08	1°95	76	74	W	6	W	6	4	2	—	—	29	Fresh wind. Mild.	
7	29°24	29°36	42°9	38°5	37°9	49°1	5°2	1°7	1°78	1°99	64	86	NW	6	NW	4	2	8	—	—	35	Fresh wind. Mild.	
8	28°90	29°07	40°5	37°1	35°4	51°5	1°9	3°6	2°51	2°05	86	74	W	4	NW	6	4	0	07	—	32	Fresh wind. Dull and cloudy.	
9	29°14	29°05	37°8	35°3	35°3	40°5	3°4	2°2	2°40	1°82	77	81	N	6	NW	4	9	8	01	—	32	* showers. Cold.	
10	29°03	29°02	42°3	34°5	34°5	52°3	1°3	3°3	2°42	2°04	90	96	NW	4	NW	2	9	9	07	—	33	Dull. * showers.	
11	28°91	29°07	43°5	41°3	39°0	52°0	2°7	2°8	2°25	2°04	79	79	W	4	NW	6	5	4	—	—	34	Cold and dull.	
12	28°91	28°83	35°5	36°3	31°5	42°1	2°1	1°3	1°68	1°90	81	89	SW	4	W	4	8	9	—	—	36	Mild.	
13	28°70	28°54	39°0	37°1	34°5	49°6	1°2	1°6	2°14	1°90	90	86	SW	4	W	8	9	10	03	—	29	Sharp frost. Dull.	
14	28°45	28°40	34°5	34°8	30°5	42°1	3°2	3°8	1°40	1°32	71	66	W	6	W	6	0	3	04	—	33	Fresh breeze. Fine.	
15	28°61	28°78	36°8	36°8	27°5	40°3	1°3	0°8	1°94	1°27	90	84	NW	6	NW	4	10	5	14	—	27	Light air. Frosty.	
16	28°31	28°26	34°0	38°9	26°9	42°7	0°9	2°4	1°78	1°91	90	82	S	6	W	4	9	6	07	—	26	* showers. Cold.	
17	28°09	28°47	36°9	30°5	29°3	42°8	0°7	0°5	2°05	1°57	94	92	N	6	N	4	10	0	08	—	25	Dull, with * showers. Raw.	
18	28°44	28°49	38°0	38°0	27°9	45°7	0°5	1°7	2°18	1°95	96	85	NW	4	W	4	10	8	04	—	27	Cold. * showers.	
19	28°50	28°48	41°8	40°4	30°3	48°1	1°8	1°9	2°27	2°46	86	85	NW	4	NW	4	8	5	01	—	25	Fresh breeze, and °.	
20	28°20	27°99	47°8	40°5	33°1	50°0	3°3	3°2	2°50	1°89	78	75	W	8	W	10	4	9	02	—	34	Cool breeze. Dull.	
21	28°78	27°62	39°3	33°3	30°5	43°3	2°3	0°5	1°96	1°80	82	94	SW	10	W	12	9	0	35	—	31	Cold, with ° showers.	
22	27°99	27°97	35°3	32°5	29°3	40°0	0°8	0°7	1°91	1°70	93	91	NW	8	NW	8	6	9	0	28	—	30	Cold wind. * showers.
23	28°21	28°03	35°5	35°1	30°7	41°3	0°7	1°1	1°95	1°83	94	89	NW	8	NW	6	8	10	13	—	29	Harsh wind. °(sleet) showers.	
24	28°51	28°73	32°8	36°0	31°3	40°9	0°8	2°1	1°70	1°73	91	81	N	4	N	6	10	9	25	—	30	Cold, with * showers.	
25	28°53	28°31	32°8	34°1	31°3	47°1	0°7	0°9	1°72	1°79	92	90	SW	6	W	4	10	0	17	—	31	Cold, with * showers.	
26	27°99	27°91	29°9	25°8	24°3	34°8	0°9	0°8	1°42	1°13	85	81	NW	6	N	4	10	10	07	—	22	Stormy, with *.	
27	27°61	27°78	27°5	28°3	23°5	33°8	0°7	0°5	1°28	1°40	85	90	NW	6	NW	4	10	0	15	—	21	Stormy, with *.	
28	28°07	28°27	34°0	33°1	26°4	39°5	0°8	1°9	1°80	1°50	91	79	N	4	N	6	5	0	37	—	25	Sharp frost. *	
M.	28°583	28°629	37°7	36°2	31°3	44°3	1°7	1°7	1°94	1°82	86	84		5°6	5°4	7°1	4°9	2°62	—	29°2			

LAUDALE, ARGYLESHIRE, a.—FEBRUARY 1908.

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°00'	30°22'	36°9'	37°0'	34°7'	40°0'	0°9'	0°5'	201	210	92	96	N	4	W	2	3	9	02	—	—	Very fine all day.
2	30°26'	30°26'	35°5'	47°2'	34°8'	48°1'	0°0'	2°7'	208	262	100	82	N	1	W	4	4	10	19	—	—	Very fine all day.
3	29°96'	31	40°1'	38°2'	34°9'	48°3'	1°9'	2°1'	210	190	85	83	N	5	NW	4	8	10	08	—	—	Very fine all day.
4	30°53'	54	38°2'	46°1'	34°8'	46°1'	0°9'	2°4'	212	258	93	83	N	1	W	4	10	10	02	—	—	Very fine. ☼ (mist) p.
5	45	50	47°2'	47°2'	44°0'	49°2'	1°0'	2°3'	300	271	93	84	W	3	W	3	10☼	7	08	—	—	☼ showers all day.
6	57	66	45°9'	37°2'	36°2'	48°0'	1°8'	0°2'	268	218	88	98	W	2	W	1	6	0	08	—	—	Very fine. ∞
7	56	45	48°1'	46°1'	33°7'	48°1'	3°1'	1°9'	262	268	78	86	NW	5	W	6	10☼	9	23	—	—	☼ (mist) all day.
8	27	33	49°1'	47°7'	43°2'	49°1'	1°9'	0°5'	302	318	86	96	N	6	NW	3	9	10	20	—	—	☼ (mist) all day.
9	35	25	42°7'	42°7'	47°7'	47°7'	0°5'	1°3'	263	294	96	91	W	2	W	4	10	10	28	—	—	☼ (mist) all day.
10	32	33	46°2'	46°1'	43°2'	48°0'	1°0'	3°0'	290	245	93	79	W	3	W	2	7	10	05	—	—	☼ showers all day.
11	27	27	46°9'	48°0'	45°0'	48°2'	1°2'	0°9'	293	312	92	94	W	4	W	5	10☼	10	40	—	—	Snow on hills 1st to 11th.
12	30	30°24'	41°1'	45°5'	43°8'	52°2'	2°2'	1°9'	272	261	84	86	NW	1	NW	1	9	7	01	—	—	☼ all day.
13	07	29°44'	41°2'	44°7'	39°9'	45°5'	2°3'	2°2'	212	247	82	84	SE	4	SW	4	10∞	10∞	20	—	—	☼ showers all day.
14	29°90'	66	43°9'	45°0'	39°1'	47°2'	2°0'	3°3'	244	227	85	76	W	4	W	8	6	7	52	—	—	☼ from 5p.
15	29°70'	73	39°3'	40°0'	35°0'	45°0'	2°2'	1°7'	198	213	83	86	NW	5	NW	4	8	10	24	—	—	☼ showers all day.
16	30°03'	90	40°0'	39°9'	35°9'	43°2'	3°8'	2°3'	175	201	70	82	N	5	W	3	4	10☼*	18	—	—	Very fine all day.
17	29°43'	59	42°2'	45°2'	37°1'	47°2'	2°0'	3°1'	227	233	85	78	SE	4	NW	5	10	10	33	—	—	☼ (mist) all day.
18	43	73	43°2'	41°1'	38°6'	48°3'	1°3'	2°9'	251	200	90	77	N	5	NW	4	4☼	9	03	—	—	☼ showers all day.
19	73	78	45°0'	44°8'	40°0'	47°1'	2°5'	2°3'	243	246	82	83	NW	4	NW	3	5	9	20	—	—	☼ (mist) all day.
20	73	69	47°5'	47°9'	42°2'	48°1'	0°5'	1°0'	310	309	96	93	W	3	W	5	10	9	20	—	—	☼ showers all day.
21	29°41'	36	48°9'	41°2'	38°5'	50°2'	3°8'	4°3'	258	177	75	68	W	5	W	7	9	3	67	—	—	☼ (mist) all day.
22	28°86'	12	46°7'	39°3'	35°0'	49°1'	1°8'	2°8'	277	187	87	79	W	7	W	8	10	60	60	—	—	☼ (mist) all day.
23	29°33'	37	39°9'	39°1'	36°2'	41°7'	2°9'	2°9'	190	184	77	77	NW	6	NW	6	4	10	49	—	—	☼☼☼ (mist).
24	63	29°95	44°1'	42°1'	35°0'	47°0'	2°3'	1°9'	239	228	82	85	N	6	N	3	10	10	20	—	—	☼☼ all day.
25	80	30°00	44°1'	40°5'	39°2'	45°5'	1°4'	1°5'	258	220	89	88	N	5	N	5	10	4	40	—	—	☼ showers.
26	65	29°58	43°9'	39°9'	39°0'	49°1'	0°0'	1°2'	287	222	100	91	S	6	W	6	10☼☼	10	62	—	—	Squally, with ☼ showers.
27	29°29	13	34°2'	34°3'	29°2'	41°2'	2°0'	1°2'	158	173	80	86	NW	5	NW	6	10	10	26	—	—	☼☼ (sleet) all day.
28	28°81	11	35°5'	33°5'	27°7'	36°1'	0°0'	0°0'	208	192	100	100	NW	5	W	4	5	10	65	—	—	☼☼ (sleet) all day.
29	29°40	29°58	37°5'	36°9'	30°9'	39°3'	1°3'	1°7'	199	187	89	86	NW	5	NW	5	10	9	05	—	—	☼☼ (sleet) all day.
M.	29°863	29°912	42°8'	42°4'	37°5'	46°3'	1°7'	1°9'	242	233	87	85		4°2		4°3	8°0	8°4	7°48	—	—	

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	°	
2	29.74	30.02	33.7	33.0	31.2	38.0	1.7	0	1.59	1.47	82	73	NW	4	NW	4	0	10	—	—	—	Cloud and sunshine.
3	30.07	29.97	34.0	41.7	31.0	43.2	1.0	0.9	1.76	2.46	89	93	W	1	W	1	10	10	—	—	—	Cloud and sunshine.
4	29.69	30.02	40.0	36.9	34.7	43.9	2.8	2.4	1.93	1.75	78	81	W	3	NW	4	0	0	—	—	—	Cloud and sunshine.
5	30.34	35	36.7	35.7	32.9	42.8	2.7	1.2	1.68	1.88	77	89	NW	1	NW	1	10	10	—	—	—	Cloud and sunshine.
6	25	23	40.7	47.9	34.9	49.4	0.7	3.7	2.39	2.48	94	75	W	5	W	5	7	10	—	—	—	Cloudy. Fresh.
7	39	45	42.9	40.2	40.0	49.0	3.2	2.4	2.11	2.01	77	81	NW	2	W	1	5	0	—	—	—	Fine. ☁ after sunset.
8	33	17	39.0	44.2	37.0	51.7	0.5	2.6	2.28	2.34	96	80	W	1	W	5	10	7	—	—	—	Cloud and sunshine.
9	03	14	46.0	44.9	41.2	51.9	2.1	2.9	2.63	2.34	85	79	W	1	NW	1	10	10	—	—	—	Cloudy.
10	23	15	38.5	37.9	37.2	46.0	1.0	0.6	2.13	2.15	92	95	E	1	E	1	10	10	—	—	—	Dull. ☁ showers 3p.-4p.
11	14	13	38.9	42.2	37.2	48.8	0.4	1.2	2.29	2.43	97	90	SW	1	W	4	7	10	—	—	—	Dull. ☁.
12	04	10	45.7	44.0	40.9	47.8	1.8	2.0	2.67	2.44	87	84	W	4	W	4	10	10	—	—	—	Dull.
13	15	30.12	43.6	41.8	41.0	47.9	0.8	1.8	2.66	2.27	93	86	W	1	W	1	10	5	—	—	—	Cloudy.
14	30.00	29.85	34.0	38.4	32.7	43.4	0.5	1.2	1.86	2.08	95	90	NE	1	SW	1	10	10	—	—	—	Dull. ☁.
15	29.78	63	41.2	40.0	37.2	49.0	0.9	1.0	2.40	2.26	93	92	SW	1	SW	2	10	7	—	—	—	Cloud and sunshine.
16	54	55	36.7	36.6	35.2	43.0	1.7	2.0	1.85	1.80	85	83	W	4	W	4	5	7	—	—	—	Cloudy. * from 8.30a.
17	68	84	40.6	31.4	31.0	43.9	3.5	0.6	1.86	1.62	73	91	NW	5	NW	1	7	7	—	—	—	Cloud and sunshine.
18	37	35	36.3	39.9	31.0	40.9	0.3	1.9	2.08	2.08	97	85	SE	2	NW	3	10	10	—	—	—	Cloudy.
19	13	54	43.8	35.8	33.0	48.2	1.9	3.3	2.45	1.51	85	71	W	3	NW	3	10	0	—	—	—	☁. and till 8a.
20	54	56	36.8	4.7	30.3	46.5	1.3	2.7	1.94	2.09	90	80	NW	1	W	2	10	10	—	—	—	Cloud and sunshine.
21	57	54	41.6	45.0	36.6	50.4	1.0	1.0	2.42	2.75	93	92	W	1	W	4	10	5	—	—	—	Cloudy.
22	29.30	29.19	47.2	38.0	37.0	49.4	1.2	1.3	2.95	2.03	92	89	SW	5	SW	7	10	5	—	—	—	Dull. ☁. ☁ 11a.
23	28.93	28.81	40.6	36.0	35.4	47.3	0.9	2.1	2.34	1.73	93	81	SW	7	W	9	10	10	—	—	—	☁ from 10a. ☁ showers to 6p.
24	29.10	29.10	37.3	34.5	33.0	43.3	2.3	2.5	1.79	1.52	81	75	W	3	W	6	7	5	—	—	—	☁ from 10a. ☁ showers to 6p.
25	27	65	41.2	40.9	33.6	42.0	3.4	3.9	1.93	1.81	75	71	NW	6	NW	7	7	7	—	—	—	Cloudy.
26	59	75	37.5	38.7	36.6	46.9	1.0	3.4	2.05	1.72	92	73	SW	1	SW	7	10	7	—	—	—	Cloud and sunshine. [10a.]
27	63	29.38	38.7	38.8	37.0	49.6	0.5	2.3	2.25	1.92	96	82	SW	3	W	5	10	0	—	—	—	Cloudy. ☁ showers to 9a. ☁ noon.
28	29.09	28.97	34.5	30.2	28.6	40.0	0.7	1.2	1.86	1.37	93	81	W	4	NW	6	10	10	—	—	—	Dull to 2p. ☁ showers 8a.-10a.
29	28.65	28.68	32.0	29.3	27.9	36.9	1.0	0.4	1.57	1.51	87	93	W	3	NW	6	5	10	—	—	—	☁ (sleet) ☁ showers from 9a.
29	29.07	29.25	33.6	35.9	29.1	40.0	1.1	2.3	1.70	1.70	88	81	NE	9	NE	7	7	10	—	—	—	* showers. ☁ to 4p.
M.	29.677	29.707	39.1	38.7	34.6	45.6	1.4	2.0	2.12	1.98	88	84	2.9	3.9	8.2	7.3	0.60	—	—			

GLASGOW, LANARKSHIRE, a.—FEBRUARY 1908.

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

1	29.79	30.03	33.4	36.1	32.6	39.0	2.7	3.5	1.37	1.51	72	70	NW	4	NNW	5	3	9	—	1.8	24	Cloudy.
2	30.09	30.00	38.0	44.1	45.2	40.6	0.6	1.4	2.16	2.58	95	89	2	W	10	9	9	1.44	0.2	31	Dull.	
3	29.76	30.09	40.3	36.7	35.4	44.8	3.6	3.5	1.82	1.55	72	72	W	12	SW	4	6	3	0.05	3.6	27	☉ <sup>a</sup> . ☼ <sup>0</sup> 2p.
4	30.37	33.38	36.5	41.7	33.1	43.1	1.9	2.3	1.81	2.17	83	83	—	2	W	4	9	10	—	2.4	22	☉ <sup>a</sup> .
5	33.33	32.43	46.0	40.6	49.0	40.8	1.8	2.64	2.69	94	87	SW	10	WNW	10	10	4	—	0.5	38	Dull.	
6	42.48	43.42	42.5	40.7	49.1	1.5	1.4	2.47	2.41	89	89	WSW	5	W	6	6	2	—	2.3	32	Cloudy.	
7	36.42	27.46	46.9	45.8	40.0	48.6	1.3	2.1	2.90	2.61	91	85	WSW	8	W	14	9	9	—	0.5	33	Dull.
8	11.11	15.47	47.3	46.1	43.9	50.2	1.8	1.1	2.83	2.86	88	92	W	12	NW	9	10	6	0.12	0.2	42	Dull. ☉ <sup>0</sup> in afternoon.
9	20.16	13.44	44.2	43.1	48.1	40.9	0.9	0.9	2.70	2.70	93	93	W	4	SW	7	10	10	0.10	0.2	37	Dull.
10	16.16	19.44	44.7	43.5	48.1	40.8	2.6	2.70	2.38	94	81	W	5	W	7	9	10	—	0.3	39	☉ <sup>0</sup> early a. Dull.	
11	14.16	15.45	45.6	43.9	47.1	1.4	0.8	2.72	2.88	90	94	WSW	8	W	10	10	10	—	—	41	Dull.	
12	30.16	30.12	45.2	43.4	43.0	47.1	1.0	2.6	2.78	2.26	93	80	WSW	7	SW	6	10	10	—	—	41	Dull.
13	29.96	29.83	36.3	42.1	35.3	43.8	1.1	2.0	1.94	2.26	91	85	—	2	—	2	9	10	0.33	—	28	☉ <sup>a</sup> . Dull, with ∞.
14	78.56	61.42	42.9	43.7	40.3	47.0	0.8	1.0	2.58	2.62	94	92	SW	10	SW	17	9	10	2.48	3.3	39	☉ <sup>a</sup> . ☼ <sup>a</sup> .
15	79.30	61.38	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> showers early a., and n.
16	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	S	5	2	10	1.62	4.0	30	☉ <sup>a</sup> 1a. Dull from 3p.
17	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
18	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
19	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
20	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
21	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
22	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
23	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
24	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
25	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
26	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
27	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
28	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
29	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
30	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
31	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
32	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
33	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
34	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
35	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
36	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
37	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
38	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
39	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
40	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
41	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
42	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
43	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
44	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
45	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
46	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
47	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
48	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
49	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
50	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
51	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
52	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
53	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
54	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
55	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
56	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
57	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
58	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
59	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
60	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
61	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
62	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉ <sup>a</sup> 1a. Dull from 3p.
63	79.30	40.36	1.37	37.9	36.4	44.3	2.5	1.6	1.82	1.97	79	87	W	12	WSW	10	2	7	0.80	6.3	32	☉

\* Miles per hour.

† Beaufort Scale (0—12).



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	%	%	NW	†			ins.	hrs.	°	
2	29.48	29.77	33.5	32.0	31.0	36.0	0.5	1.0	182	157	94	87	NW	5	1	0	0.10	5.0	26	Fine day.
3	29.51	29.78	35.0	33.0	29.0	41.0	1.0	0.0	184	238	90	100	W	2	7	8	0.20	0.8	25	Fine day.
4	30.09	30.20	35.0	33.0	35.0	44.0	2.0	2.0	225	164	85	80	NW	4	4	0	—	5.8	32	Fine day.
5	30.12	30.29	36.0	33.0	31.0	41.0	2.0	1.0	175	167	82	89	NW	3	1	8	0.10	4.5	28	Fine day.
6	30.21	30.26	39.0	34.0	31.0	45.0	1.0	1.0	218	265	92	92	NW	3	2	3	—	5.6	27	Fine day.
7	30.20	30.05	39.0	33.0	38.0	49.0	3.0	1.0	207	208	78	91	W	2	3	7	—	6.0	35	Fine day.
8	29.88	29.94	44.0	46.0	41.0	50.0	1.0	1.0	218	255	92	92	SW	5	5	7	—	3.8	29	Fine day.
9	30.03	30.00	39.0	38.0	37.0	46.0	0.0	0.0	265	287	92	93	W	7	3	8	0.90	4.0	36	Fine day.
10	29.97	29.96	43.0	44.0	38.0	49.0	0.0	1.0	238	228	100	100	N	1	2	9	0.30	1.1	36	Dull day.
11	29.98	29.93	44.0	43.0	41.0	46.0	0.0	1.0	277	265	100	92	W	3	3	8	—	5.3	35	Fine day.
12	30.01	29.97	44.0	42.0	42.0	48.0	2.0	1.0	244	255	84	92	W	4	6	3	—	1.8	34	Fine day.
13	29.82	29.65	33.0	37.0	31.0	42.0	0.0	1.0	265	225	92	85	W	2	2	7	—	5.2	39	Fine day.
14	30.05	30.33	41.0	41.0	33.0	48.0	1.0	2.0	188	200	100	91	S	3	1	0	0.70	0.4	26	☁ a.
15	30.40	30.44	39.0	36.0	35.0	46.0	1.0	1.0	235	215	92	84	S	1	2	4	—	5.1	30	Fine day.
16	30.52	30.71	39.0	32.0	32.0	45.0	1.0	0.0	218	193	92	91	NW	4	7	2	0.50	8.2	35	Fine day.
17	29.20	29.17	35.0	42.0	32.0	43.0	0.0	1.0	100	92	100	92	SE	4	1	3	0.80	4.3	31	Fine day.
18	28.95	28.93	45.0	35.0	33.0	50.0	1.0	2.0	164	92	80	W	3	NW	3	7	0.50	—	23	Dull day. *°
19	29.34	29.40	38.0	42.0	30.0	47.0	0.0	0.0	228	267	100	100	W	4	NW	3	—	5.5	34	Fine day.
20	29.45	29.41	42.0	46.0	37.0	49.0	0.0	0.0	272	311	100	100	W	2	W	7	—	3.2	26	Fine day.
21	29.27	29.16	47.0	39.0	39.0	51.0	0.0	0.0	323	238	100	100	SW	2	NW	7	0.30	0.6	32	Fine day.
22	29.00	28.82	41.0	35.0	34.0	48.0	0.0	1.0	257	184	100	90	S	3	W	9	0.30	3.8	41	Cold windy day.
23	29.05	29.00	38.0	36.0	32.0	44.0	0.0	0.0	228	212	100	100	W	7	W	8	1.20	1.0	34	☁ showers.
24	29.02	29.45	40.0	40.0	32.0	46.0	0.5	1.0	237	226	96	92	NW	8	NW	5	0.20	8.0	31	* at night.
25	29.47	29.54	37.0	40.0	35.0	47.0	1.0	1.0	200	226	91	92	W	2	NW	7	0.10	6.5	29	Very windy day.
26	29.58	29.28	37.0	38.0	35.0	46.0	0.0	1.0	220	208	100	91	W	3	W	6	0.70	2.5	29	Occasional ☁ showers.
27	29.03	28.92	37.0	31.0	31.0	40.0	0.0	0.0	220	174	100	100	SW	4	SW	6	0.20	1.0	32	
28	28.59	28.55	30.0	30.0	28.0	34.0	1.0	0.0	140	167	83	100	W	7	NW	5	0.30	5.8	32	*°
29	28.69	28.98	32.5	33.0	29.0	37.0	0.0	0.0	185	188	100	100	NW	9	NW	6	0.50	5.8	25	*°
M.	29.531	29.559	39.1	38.3	34.0	45.0	0.7	0.8	226	218	94	93	3.8	4.6	6.5	3.6	1.560	111	30.9	*. < n.

## CRONKBORNE, (DOUGLAS) ISLE OF MAN, a.—FEBRUARY 1908.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29.90	30.07	39.7	38.0	36.3	42.5	1.9	2.5	207	182	84	79	NNW	7-8	NNW	3	8	2	0.35	2.4	33	Dull, with ● showers.
2	30.18	30.16	40.8	44.4	37.2	49.4	0.7	1.6	239	257	95	88	Calm	0	NNW	2	10	100	1.70	2.0	29	Dull, with ● showers.
3	29.94	30.14	42.0	38.8	37.4	45.6	2.5	1.8	216	201	82	85	NW	7	NNW	7	4	2	0.42	5.3	39	*● (sleet) ▲ showers.
4	30.42	30.46	40.0	36.0	34.5	45.8	1.5	0.7	217	199	88	94	NNW	2	NW	2	3	2	—	6.2	28	Fine day.
5	30.46	30.45	44.0	40.2	35.1	47.0	1.0	0.1	265	310	92	100	NNW	3-4	NNW	2-3	10	8	0.02	—	27	— a. Overcast day.
6	30.53	30.55	44.0	45.8	42.1	47.8	0.4	0.2	279	303	97	98	NNW	2	SW	1	4	10	0.40	3.2	36	Cloudy day. ● n.
7	30.53	30.55	44.0	45.8	42.1	47.8	0.4	0.2	279	303	97	98	NNW	2	W	3	8	6	—	0.1	42	Dull day.
8	31	30	44.2	46.2	43.1	49.8	1.2	0.8	263	295	91	95	NNW	3	NNW	2	3	10	0.10	2.5	38	Dull day. ● showers p.
9	32	28	44.8	44.8	42.9	47.8	0.5	0.9	285	276	96	93	NNW	1	WSW	3	10	10	0.72	0.9	38	Dull, with ●.
10	26	31	45.3	45.2	44.3	48.7	0.1	0.9	299	280	99	93	WNW	1	SW	2	10	10	—	1.5	45	Dull day.
11	30	29	43.8	46.0	43.0	47.8	0.2	0.2	281	306	99	99	WSW	3	WSW	3	10	10	—	0.2	38	Dull day.
12	30.28	30.17	44.7	40.3	40.3	46.1	1.3	0.7	266	236	90	95	SE	1	E	2	10	1	—	—	42	Overcast day.
13	29.99	29.91	43.1	43.0	37.5	43.8	0.3	0.9	272	257	97	93	SE	3-4	Calm	0	10	10	0.77	—	31	Overcast, with ●.
14	95	83	45.0	46.0	42.0	47.4	1.2	1.3	271	286	91	91	W	3-4	SW	6-7	1	10	3.01	5.8	37	Fine day. ● n.
15	72	80	43.0	40.2	40.0	47.6	1.8	2.9	238	192	86	77	W	3	W	3-4	7	4	—	5.7	30	Fine day.
16	96	89	42.4	43.3	39.4	44.2	3.4	2.0	203	237	75	84	NNW	3	SSE	3	4	10	7.10	1.9	34	Cloudy day. ● n.
17	26	55	41.8	44.8	40.1	46.3	0.4	3.1	250	230	97	78	NE	1	NW	3-4	10	8	0.39	1.7	36	● a. Cloudy day. ● n.
18	43	69	48.0	43.2	42.3	49.4	2.5	1.7	274	243	83	87	NNW	7-8	NW	5-6	4	10	0.27	5.6	38	Fine day. ● 10p.
19	70	65	45.4	46.2	41.3	49.8	1.7	1.5	264	278	88	90	WNW	4-6	WSW	4-5	10	7	0.80	1.7	39	Cloudy day. ● n.
20	73	73	47.0	46.6	46.2	49.8	1.0	1.6	298	302	93	89	WSW	3	WSW	3	10	2	0.82	0.8	41	Dull, with ● showers.
21	53	55	47.0	42.0	40.5	49.0	1.0	1.1	298	243	93	91	WSW	4	W	6-7	10	4	0.52	4.2	42	Cloudy day. ● n.
22	21	30	45.0	41.0	37.8	48.9	1.2	2.8	271	201	91	78	SW	7-8	W	8	10	10	2.10	1.8	37	Dull day. ●▲ p.
23	40	45	43.8	39.0	37.7	46.0	3.3	2.9	217	183	75	78	W	6-7	NNW	7-8	9	3	0.82	6.0	36	Fine day.
24	56	85	44.2	44.0	34.0	47.1	1.4	2.2	259	240	89	83	NW	8-9	NNW	6-7	10	4	0.71	4.7	33	●▲ a. ● n.
25	75	95	41.9	42.2	40.0	47.2	1.0	2.3	240	221	93	83	NNW	5-6	NNW	6	10	1	0.23	5.7	38	Fine after 10a. ● n.
26	79	62	42.4	42.0	40.5	48.8	1.1	1.9	248	227	91	86	SW	5	WNW	6	10	0	1.22	1.4	36	Dull, with ●.
27	29.40	29.26	42.0	35.5	34.0	43.5	2.0	1.5	225	179	85	86	W	6-7	W	6-7	8	10	0.70	5.3	37	Cloudy day. ▲● n.
28	28.95	28.88	37.0	31.8	31.8	38.5	3.2	0.5	162	168	74	94	W	6-7	N	6	10	10*	0.68	4.2	31	▲● a. *● 2p.
29	29.17	29.33	39.6	39.4	31.4	43.4	2.8	2.2	190	195	75	83	NNW	6	NNW	6-7	8	3	0.21	3.8	30	*●▲ showers 3p.
M.	29.858	29.892	43.4	42.4	39.2	46.8	1.4	1.5	253	241	89	88	4.1	4.2	8.0	6.4	2.406	84	35.9			

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	% 65	% 63	NW	10	NW	10	1	0	ins.	hrs.		
2	29.54	29.81	35.7	35.4	32.3	38.9	4.2	4.4	137	131	65	63	NW	10	NW	10	1	0	—	6.3	28	Fine and sunny.
3	29.63	29.83	42.0	36.0	33.0	37.8	2.0	0.3	147	216	78	97	—	2	—	3	10	10	1.78	—	25	Overcast day.
4	30.11	30.23	36.0	34.3	32.8	42.4	1.0	2.8	245	161	92	76	W	18	NW	11	10	0	0.07	2.3	32	● showers. Clear p.
5	21	18	39.8	42.5	29.3	42.5	1.3	0.2	219	268	90	80	WSW	8	W	5	10	0	—	4.7	25	Fine day.
6	28	33	40.5	41.6	39.3	44.4	0.2	0.2	248	259	98	98	—	2	W	4	10	4	0.50	—	25	Cloudy day.
7	28	19	42.0	42.0	39.4	45.9	0.2	1.7	263	231	98	87	WNW	6	SW	4	10	6	0.15	—	39	Cloudy day.
8	04	01	42.4	44.0	40.5	44.7	1.4	0.9	241	267	89	93	W	12	NW	16	9	10	0.30	—	39	Cloudy day. ☼ at times.
9	05	05	42.6	41.8	41.2	45.5	0.6	0.4	260	256	95	97	W	6	WSW	5	10	8	1.35	0.6	40	Dull day. ☼ 3p.-4p.
10	03	09	43.0	42.7	40.4	45.7	0.0	0.3	277	268	100	97	W	8	WSW	4	10	10	0.30	—	39	Overcast day.
11	07	30.07	43.0	43.7	40.6	46.1	1.0	0.6	255	271	92	95	W	7	W	7	10	10	—	0.3	40	Overcast day.
12	30.06	29.97	42.3	38.0	36.5	43.9	0.8	1.5	253	199	94	87	—	2	—	2	10	0	—	—	30	Overcast day.
13	29.81	71	33.0	37.5	31.7	41.7	1.7	1.5	153	195	81	87	—	3	—	1	10	7	0.25	—	25	— Overcast day.
14	71	72	41.0	41.0	35.0	45.9	1.0	2.2	235	211	92	83	—	2	SW	13	10	0	0.75	2.8	31	● a., then fine. ● 10p.
15	47	56	41.7	38.0	36.0	46.1	1.0	2.0	243	190	93	83	W	9	W	10	10	0	0.73	3.0	30	● a., then fine.
16	66	73	40.0	36.3	33.6	42.9	2.0	1.8	207	179	84	84	W	12	—	2	9	5	0.74	4.0	29	Fine day.
17	07	22	40.2	43.5	35.0	43.5	0.2	1.1	245	258	98	91	E	4	NW	18	10	10	0.45	—	33	● all day.
18	10	37	44.0	39.5	38.6	45.6	1.2	1.5	261	212	92	88	WNW	10	W	12	10	4	—	1.8	36	Cloudy day.
19	41	49	43.0	43.8	37.9	45.7	1.0	1.5	255	253	92	88	WNW	12	W	7	10	10	0.90	0.3	36	Overcast most of day.
20	50	49	46.0	45.0	42.7	46.3	0.2	0.0	306	299	99	100	W	11	W	10	10	10	1.70	—	41	● all day.
21	34	33	45.2	41.0	39.5	47.0	0.3	2.6	295	204	98	80	SW	9	W	16	10	8	0.30	0.3	37	Cloudy day.
22	14	04	43.0	40.5	38.3	48.9	1.0	3.5	255	184	92	73	SW	16	W	29	10	9	0.185	0.3	35	● a.
23	20	19	41.4	38.5	34.8	45.9	2.0	2.0	220	194	85	84	WSW	22	W	19	9	10	0.395	4.1	32	● showers. *▲< p.
24	16	52	40.0	40.2	33.1	48.1	1.8	2.0	211	209	86	85	NW	21	W	8	10	2	0.48	3.8	31	● showers, then fine.
25	51	61	40.0	40.0	37.2	45.9	0.6	3.0	234	189	95	76	W	10	NW	17	10	0	0.25	2.5	34	● to noon.
26	64	36	41.2	41.3	34.8	44.9	1.2	2.0	233	219	91	84	W	9	W	15	9	4	0.440	—	31	● all day.
27	29.18	29.07	40.8	36.0	33.3	42.6	2.0	3.6	214	148	84	69	W	18	W	17	9	7	0.40	3.4	31	▲ a. ▲ * p.
28	28.72	28.61	33.3	34.0	30.9	43.9	1.3	1.7	164	162	86	82	W	12	W	17	9	10	0.190	2.8	29	K▲ * Sa. ▲ * p.
29	28.84	28.96	34.0	34.0	26.4	38.2	2.8	2.0	142	156	73	79	WNW	7	NNW	16	9	7	—	3.7	16	* a. Bright intervals.
M.	29.609	29.644	40.3	39.6	35.8	44.2	1.3	1.7	226	212	89	86	10	10	9.3	5.9	4.125	47	32.3			



## SHREWSBURY, SHROPSHIRE.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	39.8	34.0	33.8	44.9	3.9	1.5	in.	166	70	84	NNW 4-5	NW 1	7	0	ins.	hrs.	28		
2	29.65	29.99	39.8	34.0	33.8	44.9	3.9	1.5	173	166	70	84	NNW 4-5	NW 1	7	0	—	—	28		
3	30.12	30.13	34.1	39.0	31.6	39.3	0.9	0.7	179	224	90	94	W 1	W 1	7	10	—	—	26		
4	29.89	30.01	44.7	38.8	38.2	47.5	1.7	2.8	258	183	87	78	SW 3	NW 5	7	0	—	—	27		
5	30.30	42	35.0	32.3	32.3	43.7	1.8	0.0	168	184	82	100	NW 3	Calm	0	0	—	—	33		
6	44	38	37.7	41.1	30.0	45.0	1.7	1.0	193	237	85	92	W 2	NNW 3	8	0	—	—	27		
7	47	50	37.8	43.3	36.2	52.0	0.0	1.3	226	252	100	90	NW 1	NW 2	8	10	—	—	26		
8	49	46	46.7	43.0	42.9	49.5	1.0	1.7	296	240	93	86	W 1	WNW 1	10	0	—	—	32		
9	28	23	30.2	47.0	26.5	49.3	0.0	2.5	168	264	100	83	NW 1	NW 3	7	10	—	—	36		
10	26	25	45.0	42.5	38.0	48.2	2.0	0.7	253	257	85	94	W 2	NW 3	10	10	—	—	25		
11	28	27	45.5	45.1	43.1	52.9	2.0	1.3	259	270	86	90	W 3	NW 2	7	10	—	—	39		
12	26	30.13	42.0	36.0	33.8	46.8	1.1	0.5	243	203	91	96	S 3	S 1	10	0	—	—	36		
13	30.00	29.90	33.0	38.0	29.4	42.7	1.0	0.6	167	216	89	95	SE 2	SE 2	8	3	—	—	41		
14	29.92	30.00	40.9	41.0	35.0	51.3	1.0	1.9	235	217	92	85	SW 1	SW 3-4	3	9	—	—	28		
15	71	29.78	48.3	38.0	36.0	50.0	1.5	2.2	301	187	90	81	SW 4	SW 3	10	0	—	—	26		
16	88	92	42.5	39.0	35.9	47.0	3.7	1.6	199	207	73	87	NW 4-5	NW 2	5	10	—	—	30		
17	25	47	47.2	45.5	38.5	54.0	0.2	1.7	320	266	99	88	W 2	NW 6	10	10	—	—	32		
18	44	62	47.1	43.9	43.3	50.1	1.1	1.9	297	246	92	85	WNW 4-5	NNW 3-4	10	10	—	—	14		
19	65	69	47.0	47.0	41.9	51.8	3.0	3.0	253	253	79	79	W 2	NW 2	8	8	—	—	25		
20	72	70	49.0	47.0	45.1	51.2	1.2	1.5	317	287	92	90	NW 2	NW 3	10	10	—	—	31		
21	62	60	49.0	42.0	41.0	51.9	2.2	3.3	294	202	85	76	W 4	NW 5	10	0	—	—	35		
22	45	35	47.3	44.0	41.5	51.5	2.8	6.0	261	172	81	59	SW 4-5	SW 7-8	10	0	—	—	35		
23	47	46	43.2	41.1	38.5	48.8	2.6	4.0	224	182	81	71	SW 3	NW 4	3	5	—	—	41		
24	46	70	41.4	43.3	34.2	46.5	4.4	2.6	178	225	68	80	WNW 5-6	NNW 5	10	0	—	—	36		
25	73	81	43.0	43.0	41.6	48.1	3.0	4.0	215	197	78	71	WNW 3-4	NNW 7-8	10	0	—	—	36		
26	87	60	42.1	45.0	38.0	49.0	2.4	2.8	219	237	82	79	SW 4	NW 4	10	0	—	—	35		
27	48	29.42	43.0	37.1	35.9	47.1	2.2	2.3	230	178	83	80	WSW 3	NW 4	9	0	—	—	39		
28	00	28.92	35.0	34.0	33.0	44.5	0.3	2.0	198	156	97	79	NW 4	NW 3	8	0	—	—	33		
29	29.04	29.16	35.0	38.0	30.0	43.9	2.8	2.8	151	176	74	77	NW 3	NNW 5-6	0	0	—	—	32		
M.	29.84	29.86	41.9	41.2	36.7	48.2	1.8	2.0	232	219	86	84			2.9	3.2	7.8	4.3	1.26	—	32.7

## CAMBRIDGE, a.—FEBRUARY 1908.

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 Corrections, +019 in.

1	29.82	30.05	35.8	35.0	34.0	42.1	3.8	3.6	143	139	67	68	NW	4	NW	5	0	0	—	5.0	26	Fine day.
2	30.25	32	32.9	29.6	28.0	42.1	0.7	0.1	173	162	92	98	NW	3	Calm	0	2	0	.01	7.0	24	Fine day.
3	30	30	37.2	36.0	27.9	46.1	0.1	2.0	220	175	99	82	SW	2	NW	3	9	0	.04	1.4	20	• a., then fine.
4	34	51	34.5	37.3	33.8	43.0	1.3	1.2	174	199	86	90	NW	3	NW	4	9	0	—	4.3	27	Fine day.
5	60	54	31.0	40.0	27.4	42.5	0.2	1.0	168	226	96	92	SW	1	Calm	0	2	10	—	2.3	21	Fine a. Overcast afternoon.
6	63	64	40.5	36.0	35.0	53.7	0.5	0.1	241	210	96	99	Calm	0	Calm	0	9	0	—	6.0	27	Fine day.
7	64	54	37.0	42.1	28.7	51.4	0.0	1.0	220	246	100	92	Calm	0	SW	1	10	10	1	2.5	22	Overcast a. Sunny p.
8	38	34	38.0	43.1	34.3	49.9	1.0	1.2	208	252	91	90	SW	1	SW	2	0	0	—	6.2	24	Fine day.
9	38	41	43.5	41.7	39.0	50.9	0.8	0.3	264	258	94	97	W	1	Calm	0	9	10	.01	0.6	28	Overcast most of day.
10	42	48	38.8	44.1	36.9	50.5	0.3	1.2	230	262	98	90	SW	1	Calm	0	8	10	—	0.6	30	Overcast most of day.
11	49	45	44.0	43.9	41.2	49.5	1.2	0.9	261	266	90	93	SW	1	SW	1	10	9	—	—	37	Overcast all day.
12	44	36	43.9	34.0	34.0	48.9	0.9	0.1	266	194	93	99	W	1	Calm	0	10	0	—	0.5	31	Overcast most of day.
13	23	10	34.5	38.0	27.5	48.8	1.0	0.8	180	212	90	93	SE	1	Calm	0	2	10	—	4.5	19	☁☁☁. Fine day.
14	13	30.23	41.7	39.6	37.5	51.1	0.2	1.6	260	211	88	87	SW	2	W	3	10	0	—	1.3	29	Cloudy day.
15	02	29.92	47.1	36.2	35.5	50.5	2.1	1.2	274	191	85	89	SW	4	W	3	9	0	.11	0.1	25	Overcast, with ☁.
16	30.01	30.15	38.5	32.0	31.9	47.9	2.0	0.5	194	170	84	93	SW	3	Calm	0	0	0	.16	6.0	26	Fine day. ☐
17	29.56	29.53	42.1	45.8	41.0	52.9	0.1	1.8	266	207	99	87	SE	3	W	2	10	10	.07	—	23	• a. Overcast p.
18	54	69	44.0	42.2	40.8	50.5	2.1	2.0	227	89	85	85	SW	4	W	3	10	1	.03	1.1	35	• a. Sunny intervals p.
19	78	81	41.1	46.1	35.4	51.8	1.1	2.3	234	260	91	84	SW	2	SW	3	10	9	—	1.5	29	Overcast a. Sunny p.
20	91	86	43.9	47.1	39.0	50.9	0.9	0.9	266	302	93	93	SW	1	Calm	0	10	10	.08	—	30	• most of day.
21	84	79	45.6	43.9	42.0	52.9	0.7	4.9	291	189	95	66	SW	3	W	4	9	2	—	1.1	34	Cloudy day.
22	76	53	43.0	42.7	39.1	50.4	2.2	4.7	230	184	83	67	SW	3	SW	5-6	10	0	.08	0.1	31	☔☔☔.
23	67	61	41.8	38.0	37.9	47.9	3.5	1.0	196	208	75	91	SW	3	W	1	9	1	.03	0.9	30	Cloudy day.
24	54	75	39.0	42.9	34.6	45.5	3.1	2.9	179	216	76	79	W	5	NW	3	9	10	.08	—	28	• showers. ▲
25	29.84	30.02	41.0	41.0	36.5	46.0	2.7	2.0	201	215	79	84	NW	2	NW	3	2	0	.08	2.0	29	Sunny a., then overcast.
26	30.02	30.02	41.0	41.0	36.5	46.0	2.7	2.0	201	215	79	84	NW	2	NW	3	2	0	.08	2.5	29	Sunny a., then overcast, with •.
27	29.68	30.02	41.0	41.0	36.5	46.0	2.7	2.0	201	215	79	84	NW	2	NW	3	2	0	.08	2.5	29	Sunny a., then overcast, with •.
28	19	10	35.0	33.0	32.9	43.5	0.5	1.2	194	163	95	86	SW	3	SW	2	10	0	.16	0.6	31	Overcast most of day.
29	29.12	29.18	34.0	35.8	30.0	43.9	2.8	2.8	151	176	74	77	NW	3	W	4	8	10	.04	4.9	28	* storms a., then fine.
																			.01	4.4	24	Sunny intervals. * <sup>0</sup> n.
M.	30.011	30.001	39.7	39.6	34.6	48.1	1.4	1.6	218	214	88	87		2.3		1.9	7.4	3.7	1.06	68	27.5	

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—FEBRUARY 1908.

Height above Mean Sea Level, 187 feet. Heights above Ground:—Bar., 19 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.		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.	Min.	Max.	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.																			
2	29.75	29.98	39.2	31.9	31.9	43.4	2.0	0.9	200	159	84	88	WNW	2	Calm	0	8	—	hrs.	23	Bright and pleasant.
3	30.18	30.25	33.5	38.5	27.3	41.4	1.4	0.8	162	217	84	93	SW	1	SW	1	3	10	—	2.6	20 Pleasant day.
4	29.95	30.03	43.7	38.7	37.5	47.3	1.0	1.6	262	204	92	86	SW	2	SW	1	10	5	—	2.9	25 Overcast a. Pleasant day.
5	30.33	30.40	35.7	33.5	32.2	42.4	2.1	0.7	170	177	80	91	W	1	Calm	0	0	0	—	6.5	34 Very pleasant day.
6	46	42	34.7	39.5	28.2	40.9	0.7	1.2	186	218	93	90	Calm	0	SW	1	10	5	—	—	21 Overcast.
7	49	52	43.2	33.5	33.4	50.6	0.7	0.4	264	184	94	95	SW	1	Calm	0	10	0	—	4.7	26 Overcast, then bright.
8	52	43	41.1	43.7	32.4	48.2	0.4	1.8	249	245	97	86	S	1	W	1	10	8	—	—	25 Overcast.
9	34	26	37.7	44.7	33.4	49.4	0.6	2.0	214	251	94	84	WSW	1	Calm	0	9	10	—	5.4	24 Overcast, then bright.
10	28	27	43.7	43.7	42.4	47.4	1.0	2.0	262	240	92	84	NW	1	Calm	0	10	10	0.1	—	37 Overcast.
11	28	33	43.2	45.7	39.8	48.2	1.7	1.0	242	284	87	92	Calm	0	SW	1	9	10	—	0.1	35 Overcast, but pleasant.
12	32	31	45.7	45.5	43.6	49.9	1.2	0.8	278	286	91	94	SW	1	Calm	0	10	10	—	0.9	42 Dull a. Pleasant.
13	30.00	29.93	34.4	41.9	33.4	41.9	1.0	1.2	178	239	90	90	SE	3	Calm	0	8	10	—	0.8	35 Overcast, but pleasant.
14	29.96	30.10	46.6	42.2	40.6	50.6	1.5	1.2	281	243	88	90	SW	1	SW	3	6	7	—	3.6	33 Bright day.
15	81	29.81	47.1	34.9	34.2	49.2	1.2	0.7	295	188	91	93	SW	5	SE	1	10	0	0.5	0.3	27 0 most of day.
16	97	99	42.7	41.5	34.4	47.9	3.0	1.6	213	228	77	87	W	3	W	2	6	10	21	3.0	26 Pleasant day.
17	32	44	49.9	47.7	40.6	51.6	0.3	1.5	352	294	98	88	SW	2	W	1	10	10	16	—	38 Overcast, with .
18	43	62	46.7	46.3	43.8	52.1	1.3	2.2	288	264	90	84	W	3	SW	2	10	10	—	2.0	41 Overcast a. Pleasant day.
19	66	72	47.7	47.5	43.2	52.4	2.2	2.8	278	263	84	80	W	3	W	2	9	5	02	1.9	41 Pleasant.
20	77	74	47.7	44.7	44.6	52.3	0.8	0.7	311	279	94	94	SW	1	W	1	10	0	—	—	40 Overcast.
21	68	66	47.3	41.7	41.6	51.2	0.8	2.2	306	218	94	83	SW	2	SW	2	10	2	02	1.0	36 Overcast a. Pleasant day.
22	55	43	45.7	45.5	41.1	51.1	1.2	0.5	278	293	91	96	SW	4	SW	8	10	2	10	0.7	36 Stormy, with .
23	51	52	46.2	40.7	40.4	50.2	3.7	2.0	231	214	74	84	W	3	W	4	2	0	05	5.5	36 Bright and sunny.
24	50	71	41.7	44.1	34.0	46.4	3.5	3.2	194	222	74	77	W	6	W	2	5	10	01	2.7	31 Bright a. Stormy day.
25	76	78	43.7	43.1	41.6	48.4	2.7	3.7	227	204	80	73	SW	3	N	3	10	0	—	1.2	39 Overcast a. Pleasant day.
26	92	55	41.5	47.0	32.6	47.4	2.3	3.1	214	251	82	78	W	2	W	2	10	0	04	0.9	26 Dull a. . afternoon.
27	54	29.42	44.2	37.5	37.5	47.9	3.0	2.1	226	184	78	82	SW	2	NW	1	10	0	04	2.8	32 Cold damp day.
28	57	28.99	36.0	34.2	33.7	41.4	0.7	1.7	197	163	93	82	W	2	W	1	10	10	01	3.9	28 Overcast a. . Pleasant later.
29	29.07	29.17	36.5	37.9	30.6	41.4	2.9	3.3	162	168	75	74	WNW	1	NW	1	5	10	03	5.0	24 * n. Bright and pleasant.
M.	29.885	29.893	42.5	41.2	36.8	47.7	1.6	1.7	240	227	87	87	2.0	1.6	8.1	5.3	0.75	7.3	31.0		



ARMAGH, a.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	39°6	38°3	36°1	44°0	1°6	1°6	in.	in.	%	%	*	*			ins.	hrs.	°			
2	29°90	30°08	39°6	38°3	36°1	44°0	1°6	1°6	211	200	87	87	—	—	3	2	10	10	05	32		
3	29°16	30°08	45°4	43°3	38°1	49°4	0°2	1°0	298	259	98	92	NW	4	SW	7	10	10	—	35		
4	29°08	30°16	40°7	35°5	35°5	47°3	2°1	1°1	211	187	84	90	WNW	4	NW	4	7	0	040	33		
5	29°42	30°44	40°3	40°7	35°0	49°0	1°0	3°0	229	196	92	78	—	2	—	3	8	10	—	45		
6	39	40	44°5	46°5	40°7	47°7	0°8	0°3	275	309	94	97	SW	8	W	4	10	10	020	39		
7	48	52	44°7	46°2	42°3	49°0	0°3	0°2	288	308	97	99	WSW	4	W	4	10	10	—	42		
8	48	52	44°7	46°2	42°3	49°0	0°3	0°2	288	308	97	99	WSW	4	W	4	10	10	—	42		
9	27	27	45°3	45°0	43°0	48°1	1°0	1°5	279	264	92	89	SW	5	W	4	10	10	018	42		
10	27	27	45°3	45°0	43°0	48°1	1°0	1°5	279	264	92	89	SW	5	W	4	10	10	018	42		
11	23	22	47°0	44°2	43°8	48°5	1°4	1°2	289	263	90	91	—	3	SW	4	8	10	—	39		
12	22	22	44°4	45°3	41°0	47°7	1°2	1°6	265	265	91	88	SW	9	SW	7	10	10	010	40		
13	30°19	30°03	43°3	38°0	38°0	46°8	1°0	3°0	259	173	92	75	SSW	4	—	3	10	8	—	34		
14	29°86	29°77	44°2	43°4	36°2	47°0	1°3	0°5	261	271	90	96	SSE	7	S	7	10	8	010	31		
15	88	66	46°6	45°5	38°2	47°2	3°3	3°3	243	233	77	76	SW	8	SW	18	0	10	153	47		
16	66	77	40°5	37°4	36°3	48°0	2°0	2°4	212	178	84	80	W	4	SW	9	3	8	047	37		
17	93	68	37°7	39°8	36°8	45°0	1°3	2°1	201	204	89	84	—	2	S	11	9	10	500	35		
18	25	57	44°5	40°8	39°8	50°5	0°0	1°6	294	221	100	88	—	0	WNW	9	10	9	048	33		
19	49	66	45°6	41°9	40°8	51°6	1°2	1°7	279	230	91	88	WNW	10	W	4	9	9	013	39		
20	67	73	47°7	45°6	41°7	52°2	1°4	3°0	297	240	90	79	W	5	W	6	9	10	003	38		
21	70	65	47°0	47°3	45°5	49°4	1°0	0°3	298	319	93	98	SW	7	SW	7	10	10	080	44		
22	29°40	46	44°8	38°0	38°0	47°5	1°5	2°0	262	190	88	83	SW	12	SW	12	9	10	085	50		
23	28°93	29	48°0	39°4	37°0	50°2	1°0	2°9	309	186	93	78	SW	27	W	14	10	0	118	09		
24	29°41	46	39°8	34°5	34°5	48°0	1°6	1°0	213	180	88	90	W	8	W	11	8	3	255	55		
25	60	90	42°6	39°0	33°3	45°5	2°6	2°7	219	186	81	79	WNW	11	NW	6	10	9	015	17		
26	79	98	44°3	36°5	36°5	48°0	2°3	2°0	241	179	82	83	NW	9	NW	4	10	9	040	27		
27	68	60	43°4	42°0	36°2	52°0	0°2	3°0	276	207	99	78	SSW	15	W	6	10	10	065	12		
28	29°37	29°25	40°2	33°3	33°3	44°5	2°9	1°2	192	166	77	87	W	12	W	10	9	10	210	44		
29	28°90	28°97	35°6	32°4	30°0	40°6	1°6	2°4	179	134	85	73	W	11	NW	8	10	10	150	46		
30	29°27	29°43	36°4	35°4	30°9	41°8	1°0	2°0	197	169	92	82	NNW	12	N	10	10	10	090	18		
M.	29°819	29°856	43°3	40°8	38°0	47°7	1°4	1°8	253	222	90	86			7		7	8°9	8°7	2°040	55	35°9

MARKREE CASTLE, SLIGO, a.b.—FEBRUARY 1908.

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°00	30°19	44°0	43°8	41°3	47°3	3°0	0°8	224	267	77	94	N	3	Calm	0	9	10●	08	3'4	37	Fine day.	
2	28	17	47°0	45°0	42°5	49°3	1°0	1°5	298	264	93	89	NW	2	Calm	0	10	10	10	—	37	▲ showers.	
3	12	33	41°5	41°0	42°5	47°0	4°2	2°0	182	215	70	84	NW	4	NW	2	7	10	07	2°5	36	Fine and mild.	
4	52	55	37°0	42°3	35°5	47°5	0°5	1°5	210	238	96	89	Calm	0	Calm	0	3	10	07	2°6	30	Fair.	
5	51	53	45°5	47°8	41°2	50°5	0°7	0°8	289	312	95	94	SW	1	NW	1	3	10	09	—	37	0° during day.	
6	57	64	46°8	48°5	44°2	50°5	0°3	0°5	314	328	98	96	Calm	0	NW	2	10●	10●	—	41	—	39	Fair generally.
7	62	50	46°3	45°0	44°5	49°4	1°0	1°0	290	275	93	92	Calm	0	W	1	10	10	03	—	43	Fair and mild.	
8	41	38	45°8	45°0	42°7	50°1	1°3	1°0	279	275	91	92	Calm	0	NW	2	10	10	05	0°3	39	Fair and mild.	
9	38	30	44°5	46°0	42°3	48°5	0°0	0°5	294	299	100	97	SW	1	SW	1	8	10●	07	0°9	38	Fair and mild.	
10	33	33	44°9	44°0	43°2	50°3	0°9	1°0	276	265	93	92	Calm	0	Calm	0	10	10	01	0°3	40	Fair and mild.	
11	31	29	45°0	44°0	39°7	48°5	1°0	1°0	275	265	92	92	SW	1	S	2	10	5	—	34	—	34	Fair, but cool.
12	30°25	30°07	44°0	43°8	38°2	45°4	2°0	0°8	244	267	84	94	SE	1	SE	2	10	6	—	0°4	33	Gloomy and mild.	
13	29°90	29°83	43°0	43°0	37°2	49°5	1°0	1°0	255	255	92	92	SSE	1	Calm	0	10	10	07	0°4	32	Bright till noon. ● p.	
14	98	77	40°7	43°3	35°5	48°1	1°7	0°3	218	273	86	98	SW	2	SW	2	5	10●	31	3°2	30	▲ showers. Bright intervals	
15	29°77	90	40°0	39°0	36°3	45°2	2°0	1°5	207	209	84	88	NW	2	WNW	2	3	1	14	5°7	30	Gloomy till 3p.	
16	30°06	97	40°8	42°0	37°2	46°5	0°8	1°0	237	245	94	92	Calm	0	SE	4	10	10●	45	—	33	● a. Fair p.	
17	29°36	74	47°0	45°0	41°9	48°5	0°5	2°7	311	239	97	80	NW	3	W	3	10●	10●	20	—	40	Squally, with ● showers.	
18	67	79	47°8	46°0	43°4	49°5	2°8	1°2	265	283	80	92	NW	4	NW	3	10	10	09	0°1	42	● showers.	
19	82	84	47°8	48°3	45°5	49°9	0°8	0°8	312	319	94	95	NE	4	S	3	10●	10	12	—	41	● showers.	
20	81	73	47°5	49°0	45°3	51°4	1°0	0°5	304	335	93	97	NW	4	SW	5	5	10●	28	0°3	35	● showers. Bright interval	
21	52	58	45°3	41°0	38°0	49°8	2°8	2°2	241	211	80	83	NW	4	NW	5	5	10●	17	4°3	36	✓ (force 10 at times). ▲	
22	00	48	50°0	41°5	39°5	50°9	2°0	3°5	309	193	86	74	SW	5	SW	4	10●	5	17	3°0	32	● (sleet) ▲.	
23	56	29°65	42°0	35°0	35°0	46°0	2°5	0°0	216	204	82	100	NW	3	NNW	5	9	9	42	5°0	3	▲ a. Squally. ⚡	
24	85	30°05	44°0	41°0	34°9	45°5	6°0	2°0	172	215	59	84	NW	6	NW	3	10	10	22	3°2	32	▲ showers.	
25	94	30°11	45°3	43°0	39°5	47°5	1°3	3°0	272	215	90	78	NW	6	N	2	10	1	13	2°8	38	● (sleet) ▲ showers.	
26	80	29°76	47°5	40°5	40°0	50°5	1°5	1°0	291	231	89	92	SW	3	W	3	10●	4	16	0°7	37	Squally, with *▲.	
27	52	37	36°5	34°5	34°3	43°7	0°0	0°5	216	190	100	95	W	5	NW	5	7	5	47	3°6	32	✓ *▲⚡	
28	08	19	37°0	33°8	31°4	42°5	2°0	0°8	182	178	83	91	NW	6	N	6	5	10▲	44	3°7	30	✓ *▲⚡	
29	29°54	29°68	37°0	34°0	31°8	41°5	1°2	1°0	196	176	89	89	N	6	NW	5	7▲	10	48	1°9	30	✓ *▲⚡	
M.	29°947	29°979	43°8	42°6	39°4	48°0	1°6	1°2	254	250	88	91		2°6		2°4	8°6	8°5	4°81	52	35°8		

† Beaufort Scale (0-12).



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—FEBRUARY 1908.

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.		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.	Min.	Max.	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.	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	ins.	hrs.	0.7	31	Cloudy day.
2	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
3	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
4	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
5	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
6	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
7	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
8	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
9	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
10	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
11	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
12	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
13	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
14	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
15	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
16	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
17	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
18	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
19	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
20	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
21	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
22	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
23	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
24	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
25	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
26	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
27	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
28	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
29	29.96	30.15	39.5	39.7	35.4	44.7	1.8	1.0	207	224	86	92	WSW	6	W	4	10	10	0.12	0.7	31	Cloudy day.	
M.	29.913	29.947	43.5	42.7	39.1	48.3	1.3	1.5	255	245	90	88	9	8	8.4	7.6	1.817	68	34.7				

## BIRR CASTLE, KING'S COUNTY, a.b.—FEBRUARY 1908.

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	29.98	30.15	39.5	39.6	35.4	45.3	0.9	1.7	220	210	93	86	WSW	2	NW	2	9	9	0.11	2.8	—	Cloudy and cool.
2	30.22	19	45.7	43.7	38.8	49.0	0.8	0.9	290	265	95	92	WSW	1	W	2	8	9	0.40	0.3	—	☉ showers.
3	10	27	44.7	44.8	38.8	47.8	1.8	0.8	255	278	87	94	WSW	2	NW	3	2	5	0.15	4.3	—	☉ showers.
4	46	50	39.8	42.1	35.2	47.8	1.7	2.2	211	222	87	83	NW	1	Calm	0	9	10	—	3.6	—	Fine and mild.
5	49	48	43.7	47.6	40.8	48.7	0.7	0.7	269	313	94	95	SW	2	SW	1	10	10	0.32	—	—	☉ showers.
6	52	59	45.7	48.7	41.2	50.7	0.5	1.0	295	319	96	93	Calm	0	WSW	1	10	10	0.11	—	—	☉ showers.
7	60	49	45.0	44.7	43.0	50.7	0.2	1.2	294	269	98	91	SW	1	WNW	1	10	10	0.03	—	—	☉ showers.
8	39	34	45.0	45.7	42.8	46.7	1.2	0.8	271	290	91	95	WNW	2	WNW	1	8	10	0.12	0.5	—	Cloudy day.
9	34	28	43.1	44.7	40.8	49.7	0.4	0.6	269	281	97	95	Calm	0	WNW	1	9	10	0.40	0.3	—	Cloudy, with ☉.
10	28	29	45.7	45.0	43.4	49.7	0.6	1.1	293	273	96	91	WSW	2	SW	2	10	9	0.10	0.2	—	☉ showers.
11	30	27	45.8	45.7	38.8	47.9	0.8	0.5	289	295	94	96	Calm	0	SW	2	10	10	—	0.3	—	☉ showers.
12	30.20	30.00	42.7	39.7	37.8	47.9	2.5	0.8	222	228	81	93	SE	1	SE	2	10	10	—	2.9	—	☉ showers in evening.
13	29.86	29.80	45.1	43.7	39.7	50.1	0.8	0.8	281	267	93	93	SE	1	SSE	2	8	10	0.41	0.4	—	Cloudy, with ☉.
14	97	82	40.7	49.6	36.8	50.7	1.2	2.1	229	303	90	86	SSW	2	SSW	6	2	10	0.58	4.6	—	Cloudy and cold.
15	29.70	88	42.6	43.9	36.8	49.6	0.7	0.9	258	266	94	93	W	1	W	2	8	2	0.02	4.8	—	Cloudy and cold.
16	30.01	68	39.6	45.3	34.8	49.6	1.5	1.4	213	270	88	89	W	2	S	5	9	10	0.37	—	—	☉ showers.
17	29.31	71	45.7	43.3	41.0	49.7	1.0	2.0	285	237	94	84	WSW	2	WSW	2	3	0.20	0.7	—	—	☉ showers.
18	65	79	48.9	47.0	41.8	49.3	3.0	2.8	276	257	80	80	W	5	W	2	10	7	0.10	—	—	☉ showers.
19	77	84	49.1	49.0	45.7	51.1	1.9	1.2	302	317	86	92	WSW	4	W	2	10	10	0.17	—	—	☉ showers.
20	80	77	47.3	48.8	44.8	50.9	0.8	0.9	307	323	95	93	W	4	W	2	10	10	0.51	0.2	—	☉ showers.
21	56	60	49.7	39.7	38.5	49.7	1.8	0.8	277	288	87	93	SW	4	W	5	10	10	0.15	4.0	—	☉ showers.
22	18	46	48.7	43.6	36.8	55.5	1.8	1.9	304	243	87	86	SW	4	W	5	10	6	0.44	3.8	—	Squally, with ☉ showers.
23	55	29.66	42.7	37.7	36.6	47.7	2.2	0.8	228	211	84	93	SW	3	W	2	4	4	0.74	5.9	—	☉ showers.
24	79	30.01	38.7	39.7	34.8	49.7	2.0	1.7	197	210	85	86	WNW	3	NW	4	8	0.78	2.0	—	☉ showers.	
25	91	30.09	40.5	40.5	38.8	48.7	2.7	0.7	255	237	82	94	NW	5	WNW	3	9	4	0.16	1.6	—	☉ showers.
26	84	29.75	45.7	43.9	38.8	50.7	0.9	1.9	287	245	94	85	WSW	2	W	3	10	10	0.41	0.6	—	☉ showers.
27	56	44	41.3	37.1	30.8	47.7	2.2	2.1	217	181	83	82	W	3	WNW	4	4	2	0.50	5.1	—	☉ showers.
28	15	13	35.0	33.9	32.0	49.7	1.2	0.9	180	177	88	90	WNW	3	WNW	4	2	10	0.25	5.7	—	☉ showers.
29	29.43	29.58	37.5	35.1	29.8	40.7	4.3	1.2	148	181	66	88	NNW	4	W	4	4	10	0.30	4.2	—	* ☒.
M.	29.928	29.960	43.7	43.2	38.5	49.1	1.5	1.3	256	255	89	90	2.4	2.6	7.8	8.3	2.344	59	—	—	—	—



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

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.

[illegible]

46P 2

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

1	29 <sup>74</sup>	29 <sup>78</sup>	36 <sup>0</sup>	37 <sup>0</sup>	33 <sup>0</sup>	39 <sup>5</sup>	0 <sup>5</sup>	1 <sup>0</sup>	'203	'200	96	91	W	2	S	2	—	—	—	—	—	—	Fair, cold, and clear.	
2	'75	'83	38 <sup>5</sup>	36 <sup>0</sup>	31 <sup>5</sup>	40 <sup>5</sup>	1 <sup>5</sup>	1 <sup>5</sup>	'203	'184	87	87	W	2	NE	1	—	—	—	—	—	—	Occasional ● showers.	
3	'86	'79	38 <sup>0</sup>	36 <sup>5</sup>	35 <sup>0</sup>	41 <sup>5</sup>	3 <sup>0</sup>	1 <sup>5</sup>	'173	'187	75	87	E	1	NE	1	—	—	—	—	—	—	Dull a. Clear p.	
4	'83	'82	38 <sup>0</sup>	37 <sup>5</sup>	33 <sup>0</sup>	41 <sup>0</sup>	1 <sup>5</sup>	0 <sup>5</sup>	'199	'214	87	95	E	1	S	1	—	—	—	—	—	—	—	
5	'79	'54	32 <sup>0</sup>	39 <sup>0</sup>	25 <sup>0</sup>	39 <sup>0</sup>	1 <sup>0</sup>	2 <sup>0</sup>	'157	'199	87	84	NW	1	E	1	—	—	—	—	—	—	—	
6	'48	'57	33 <sup>0</sup>	37 <sup>0</sup>	35 <sup>0</sup>	41 <sup>0</sup>	1 <sup>5</sup>	1 <sup>5</sup>	'209	'191	88	87	E	2	E	1	—	—	—	—	—	—	—	
7	'58	'29	39 <sup>5</sup>	34 <sup>5</sup>	31 <sup>5</sup>	44 <sup>0</sup>	1 <sup>5</sup>	2 <sup>5</sup>	'179	'152	86	75	E	1	SE	1	—	—	—	—	—	—	—	
8	29 <sup>22</sup>	28 <sup>80</sup>	38 <sup>5</sup>	40 <sup>5</sup>	29 <sup>5</sup>	43 <sup>5</sup>	1 <sup>0</sup>	1 <sup>0</sup>	'213	'231	92	92	W	4	E	3	—	—	—	—	—	—	—	
9	28 <sup>54</sup>	28 <sup>80</sup>	40 <sup>0</sup>	44 <sup>5</sup>	37 <sup>5</sup>	45 <sup>5</sup>	1 <sup>0</sup>	5 <sup>0</sup>	'226	'193	92	65	N	1	NW	5	—	—	—	—	—	—	—	
10	29 <sup>17</sup>	29 <sup>59</sup>	41 <sup>5</sup>	38 <sup>5</sup>	38 <sup>5</sup>	44 <sup>5</sup>	1 <sup>5</sup>	1 <sup>5</sup>	'230	'203	88	87	E	1	E	1	—	—	—	—	—	—	—	
11	'74	'86	42 <sup>5</sup>	38 <sup>0</sup>	33 <sup>5</sup>	48 <sup>5</sup>	3 <sup>5</sup>	1 <sup>5</sup>	'202	'199	74	87	Calm	0	NE	1	—	—	—	—	—	—	—	
12	29 <sup>95</sup>	29 <sup>97</sup>	37 <sup>5</sup>	37 <sup>5</sup>	32 <sup>5</sup>	46 <sup>0</sup>	2 <sup>0</sup>	1 <sup>5</sup>	'186	'195	83	87	W	1	NW	2	—	—	—	—	—	—	—	
13	30 <sup>01</sup>	30 <sup>04</sup>	44 <sup>0</sup>	40 <sup>0</sup>	33 <sup>5</sup>	46 <sup>0</sup>	4 <sup>0</sup>	1 <sup>0</sup>	'205	'226	71	92	E	1	W	1	—	—	—	—	—	—	—	
14	'07	30 <sup>14</sup>	40 <sup>5</sup>	39 <sup>5</sup>	33 <sup>0</sup>	46 <sup>5</sup>	2 <sup>5</sup>	3 <sup>5</sup>	'202	'176	80	73	E	1	N	2	—	—	—	—	—	—	—	
15	30 <sup>05</sup>	29 <sup>94</sup>	35 <sup>5</sup>	37 <sup>5</sup>	31 <sup>5</sup>	41 <sup>0</sup>	1 <sup>0</sup>	2 <sup>5</sup>	'189	'177	91	79	W	1	SW	1	—	—	—	—	—	—	—	
16	29 <sup>90</sup>	'89	36 <sup>0</sup>	35 <sup>5</sup>	32 <sup>5</sup>	42 <sup>0</sup>	1 <sup>0</sup>	1 <sup>5</sup>	'193	'179	91	86	E	1	NE	1	—	—	—	—	—	—	—	
17	'80	'88	37 <sup>5</sup>	39 <sup>5</sup>	29 <sup>5</sup>	43 <sup>5</sup>	2 <sup>0</sup>	2 <sup>5</sup>	'186	'194	83	80	Calm	0	NW	1	—	—	—	—	—	—	—	
18	29 <sup>92</sup>	'96	41 <sup>5</sup>	38 <sup>0</sup>	32 <sup>0</sup>	43 <sup>0</sup>	2 <sup>0</sup>	2 <sup>5</sup>	'221	'182	85	79	W	2	SE	3	—	—	—	—	—	—	—	
19	30 <sup>05</sup>	'92	33 <sup>5</sup>	38 <sup>5</sup>	28 <sup>0</sup>	43 <sup>5</sup>	1 <sup>0</sup>	3 <sup>0</sup>	'171	'177	89	76	W	1	NE	3	—	—	—	—	—	—	—	
20	29 <sup>88</sup>	'83	37 <sup>0</sup>	35 <sup>0</sup>	31 <sup>5</sup>	40 <sup>0</sup>	2 <sup>5</sup>	2 <sup>5</sup>	'174	'156	79	76	S	1	N	2	—	—	—	—	—	—	—	
21	'82	'74	35 <sup>0</sup>	40 <sup>0</sup>	35 <sup>0</sup>	40 <sup>0</sup>	2 <sup>5</sup>	1 <sup>5</sup>	'156	'217	76	88	S	1	SW	2	—	—	—	—	—	—	—	
22	'50	'37	40 <sup>5</sup>	41 <sup>0</sup>	34 <sup>5</sup>	44 <sup>0</sup>	2 <sup>0</sup>	2 <sup>0</sup>	'212	'215	84	84	E	4	E	5	—	—	—	—	—	—	—	
23	'55	29 <sup>78</sup>	44 <sup>5</sup>	41 <sup>5</sup>	39 <sup>5</sup>	45 <sup>0</sup>	2 <sup>0</sup>	2 <sup>0</sup>	'249	'221	85	85	S	1	SW	1	—	—	—	—	—	—	—	
24	29 <sup>81</sup>	30 <sup>02</sup>	44 <sup>0</sup>	39 <sup>0</sup>	32 <sup>5</sup>	45 <sup>0</sup>	0 <sup>5</sup>	1 <sup>5</sup>	'277	'209	96	88	N	2	NW	2	—	—	—	—	—	—	—	
25	30 <sup>06</sup>	30 <sup>03</sup>	38 <sup>0</sup>	40 <sup>0</sup>	37 <sup>0</sup>	40 <sup>0</sup>	0 <sup>5</sup>	2 <sup>0</sup>	'218	'207	96	84	NE	2	E	4	—	—	—	—	—	—	—	
26	30 <sup>00</sup>	29 <sup>01</sup>	40 <sup>0</sup>	42 <sup>5</sup>	39 <sup>5</sup>	47 <sup>5</sup>	2 <sup>5</sup>	2 <sup>5</sup>	'198	'220	80	81	SE	3	W	2	—	—	—	—	—	—	—	
27	29 <sup>69</sup>	'67	42 <sup>0</sup>	40 <sup>0</sup>	39 <sup>0</sup>	45 <sup>0</sup>	2 <sup>0</sup>	3 <sup>5</sup>	'225	'181	85	73	S	3	SW	2	—	—	—	—	—	—	—	
28	'07	'50	40 <sup>0</sup>	44 <sup>0</sup>	32 <sup>0</sup>	48 <sup>0</sup>	2 <sup>5</sup>	2 <sup>0</sup>	'198	'244	80	84	W	3	W	2	—	—	—	—	—	—	—	
29	'34	29 <sup>39</sup>	46 <sup>5</sup>	37 <sup>0</sup>	35 <sup>5</sup>	47 <sup>0</sup>	4 <sup>0</sup>	3 <sup>5</sup>	'229	'157	73	72	W	2	W	2	—	—	—	—	—	—	—	
30	'42	28 <sup>83</sup>	40 <sup>0</sup>	41 <sup>5</sup>	32 <sup>0</sup>	46 <sup>0</sup>	2 <sup>5</sup>	2 <sup>5</sup>	'198	'211	80	81	W	3	W	2	—	—	—	—	—	—	—	
31	29 <sup>04</sup>	29 <sup>42</sup>	42 <sup>0</sup>	40 <sup>5</sup>	33 <sup>0</sup>	47 <sup>0</sup>	4 <sup>0</sup>	3 <sup>0</sup>	'190	'193	72	77	W	4	W	3	—	—	—	—	—	—	—	
M.	29 <sup>685</sup>	29 <sup>684</sup>	39 <sup>2</sup>	38 <sup>9</sup>	33 <sup>4</sup>	43 <sup>9</sup>	2 <sup>0</sup>	2 <sup>1</sup>	202	'196	84	83		1 <sup>7</sup>		2 <sup>0</sup>	—	—	—	—	—	—	—	
																								4 <sup>34</sup>

1 Observations at Stations of the  
866-1880. Part II., 1880-1890.



TILLYPRONIE, ABERDEENSHIRE.—MARCH 1908.

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.			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.	Min.	Max.	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	28°42'	ins.	ins.	32°3'	32°8'	29°2'	35°8'	0°5'	0°8'	in.	in.	%	%	N	†	4	N	†	6	10	0	ins.	hrs.	0	28	Cold, with * <sup>2</sup> .			
2	28°42'	28°55'		32°3'	32°8'	29°2'	35°8'	0°5'	0°8'	173	170	94	91	N	4	N	6	5	0	43	—	28	—	28	Cold, with * <sup>2</sup> .				
3	57	58		34°4'	31°9'	29°3'	38°1'	1°4'	0°7'	171	164	85	91	NE	4	NE	6	5	0	37	—	29	—	29	Cold, with * <sup>2</sup> .				
4	60	63		33°2'	32°3'	29°3'	36°0'	0°7'	0°5'	175	173	92	94	NE	4	NE	4	10	10	39	—	28	—	28	Cold, with * <sup>2</sup> .				
5	62	42		31°0'	30°9'	28°9'	34°1'	0°8'	0°9'	153	150	87	86	N	4	N	4	10	8	10	—	28	—	28	Cold, with * <sup>2</sup> .				
6	62	42		29°3'	32°8'	20°8'	34°1'	1°1'	0°7'	131	172	82	92	W	4	SE	6	0	10	02	—	20	—	20	Cold wind, with ≡ * <sup>0</sup> .				
7	30	37		33°8'	32°8'	30°9'	34°3'	1°3'	0°5'	168	177	86	94	SE	6	SE	4	9	9	09	—	30	—	30	Fine and frosty.				
8	34	28°41'		33°2'	29°0'	26°0'	37°8'	1°2'	0°9'	165	133	87	84	N	4	NW	4	8	0	04	—	24	—	24	Dull, with ≡ * <sup>0</sup> .				
9	28°20'	27°74		33°5'	38°3'	24°1'	39°5'	0°8'	0°8'	175	215	91	94	NE	4	SE	4	10	10	16	—	23	—	23	Cold wind. * <sup>2</sup> showers.				
10	27°35'	27°51'		36°3'	36°3'	33°5'	41°3'	1°5'	1°8'	186	181	87	85	W	6	NW	6	8	10	57	—	32	—	32	Cold wind. * <sup>2</sup> showers.				
11	27°91	28°38		36°5'	33°2'	32°4	39°2	0°8	0°7	200	175	93	92	NW	4	N	4	10	9	40	—	32	—	32	Cold wind. * <sup>2</sup> showers.				
12	28°56	67		34°7	34°1	27°9	42°3	2°2	1°3	159	171	78	86	N	4	N	2	2	7	02	—	27	—	27	Cold wind. * <sup>2</sup> showers.				
13	73	78		34°2	32°5	27°8	42°5	1°9	1°0	160	163	81	88	NW	4	W	4	6	3	—	27	—	27	—	27	Cold wind. * <sup>2</sup> showers.			
14	86	28°91		36°8	32°5	29°5	44°0	3°3	1°5	160	152	73	82	NW	2	NW	4	0	8	—	27	—	27	—	27	Dull and cloudy.			
15	95	29°01		34°3	31°3	30°0	40°9	1°5	0°8	168	157	85	89	NW	4	NW	4	8	7	—	28	—	28	—	28	Dull, with ≡. Cold wind.			
16	92	28°79		31°5	33°8	26°3	41°8	0°7	0°8	160	178	90	91	NW	4	N	2	9	9	—	25	—	25	—	25	Cold wind. ≡ * <sup>2</sup> showers.			
17	70	74		31°9	31°5	27°3	34°5	0°8	0°8	161	158	90	89	W	4	S	4	10	10	10	—	25	—	25	—	25	Cold wind. ≡ * <sup>2</sup> showers.		
18	67	71		32°3	30°3	28°8	38°1	0°5	0°8	173	148	94	88	W	2	W	4	7	0	07	—	27	—	27	—	27	Cold wind. ≡ * <sup>2</sup> showers.		
19	70	84		32°5	26°0	25°0	33°5	0°7	0°5	170	124	91	88	S	4	NW	2	10	0	—	23	—	23	—	23	* <sup>2</sup> showers. ≡ <sup>2</sup>			
20	82	74		33°2	27°5	23°5	39°8	1°1	0°8	167	126	88	84	SW	4	W	4	3	9	09	—	23	—	23	—	23	Cold wind. * <sup>0</sup>		
21	74	68		33°8	29°8	23°4	39°5	1°5	0°8	164	144	84	87	W	4	NW	4	0	0	—	23	—	23	—	23	—	23	—	
22	68	65		32°5	33°8	22°7	39°8	0°7	1°8	170	158	91	81	SW	4	S	6	4	3	—	22	—	22	—	22	—	22	Thawing.	
23	36	18		35°0	36°3	30°0	39°5	2°4	0°9	157	198	77	93	SE	10	SE	10	7	10	14	—	29	—	29	—	29	* <sup>2</sup> showers.		
24	42	69		36°3	39°0	34°7	49°5	0°8	1°7	215	205	94	86	SE	8	SW	4	9	0	—	33	—	33	—	33	—	33	Thawing. ≡ <sup>0</sup>	
25	69	85		41°0	34°8	32°8	42°3	2°2	0°9	211	184	83	92	S	8	NW	6	8	10	21	—	32	—	32	—	32	Cold wind. Dull, with * <sup>2</sup> .		
26	85	88		36°9	34°3	32°5	42°6	0°9	0°8	201	182	92	92	NW	4	SW	6	10	9	92	—	32	—	32	—	32	≡ <sup>2</sup>		
27	87	86		35°3	36°3	31°3	40°0	1°3	0°8	181	200	88	94	S	6	SE	6	9	8	—	31	—	31	—	31	—	31	Cold wind. ≡ <sup>0</sup>	
28	59	49		38°1	34°3	33°0	41°9	1°8	0°9	194	180	84	90	SE	8	SW	6	8	10	13	—	33	—	33	—	33	Thawing.		
29	50	34		36°5	35°5	27°8	43°0	3°7	1°2	151	185	69	89	SW	10	SW	8	0	9	—	25	—	25	—	25	—	25	Thawing.	
30	23	28°27		45°0	32°8	31°0	47°5	2°7	3°3	239	121	80	65	SW	10	W	8	6	0	05	—	28	—	28	—	28	Cold wind. * <sup>0</sup> showers.		
31	28°27	27°75		39°0	35°8	28°9	43°0	4°8	0°8	152	195	64	93	W	10	W	8	2	10	17	—	27	—	27	—	27	Cold wind. * <sup>0</sup> showers.		
31	27°93	28°27		33°8	32°8	31°1	41°9	1°3	1°5	168	155	86	83	W	8	W	8	10	5	10	—	28	—	28	—	28	Cold wind. * <sup>2</sup> showers.		
M.	28°512	28°526		34°8	33°1	28°7	39°9	1°5	1°0	173	168	85	88		5°4		5°1	6°7	6°2	4°70	—	27°4	—	27°4	—	27°4	—	27°4	

LAUDALE, ARGYLESHIRE, a.—MARCH 1908.

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.

[illegible]

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—MARCH 1908.

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.		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.	Min.	Max.	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.	%	%	NE †	4	NE †	3	10	10	ins.	hrs.	°	°	°
2	29.42	29.58	34.4	35.0	32.5	41.8	0.5	1.1	.189	.182	95	89	N	1	NE	3	10	10	°	—	°
3	57	59	35.1	34.1	31.2	43.0	0.5	0.5	.195	.187	95	95	N	1	NE	3	10	10	°	—	°
4	59	60	35.6	34.6	33.4	40.2	0.8	0.4	.195	.193	93	96	NE	5	NE	2	10	10	°	—	°
5	66	72	34.2	33.2	32.0	41.2	0.4	0.4	.190	.181	96	95	SE	1	NE	1	10	10	°	—	°
6	69	50	31.5	30.5	28.2	42.9	0.0	1.3	.178	.191	100	89	SW	1	SE	2	10	10	°	—	°
7	31	38	38.4	35.5	33.5	38.9	1.4	0.8	.204	.188	88	92	SE	5	NE	1	10	10	°	—	°
8	29.49	29.49	36.6	31.2	30.2	42.0	1.8	0.2	.183	.171	85	97	NW	2	NW	1	5	0	°	—	°
9	29.24	28.70	37.0	44.4	29.9	44.9	0.0	0.8	.220	.274	100	94	SE	2	SW	4	10	10	°	—	°
10	28.42	28.55	40.9	41.0	36.1	44.4	1.2	0.8	.231	.239	91	94	W	8	NW	5	10	10	°	—	°
11	28.91	29.36	42.0	37.2	36.8	44.0	2.4	0.2	.218	.218	82	98	NE	5	NE	4	10	10	°	—	°
12	29.61	31	36.6	38.0	36.9	41.4	1.7	0.8	.185	.210	86	92	NW	1	NE	1	5	10	°	—	°
13	83	36	36.7	36.0	29.2	41.2	2.7	1.0	.168	.193	77	91	NW	2	NW	3	5	7	°	—	°
14	29.94	34.2	37.7	28.8	42.9	0.6	1.5	.186	.197	94	87	SW	1	NE	1	0	10	—	°	—	°
15	30.02	30.04	37.2	35.0	33.8	43.9	0.5	1.0	.212	.184	95	90	SW	1	SE	1	10	10	°	—	°
16	29.98	29.85	35.6	36.8	31.0	43.6	0.6	1.6	.197	.188	95	87	SW	1	SW	1	10	10	°	—	°
17	81	82	36.8	36.0	32.8	38.9	0.8	1.0	.202	.193	93	91	SE	1	SE	2	10	10	°	—	°
18	74	78	35.0	32.8	32.2	38.0	0.4	0.4	.196	.178	96	96	SE	2	NE	1	10	10	°	—	°
19	80	87	32.7	34.0	30.2	37.7	0.5	1.1	.166	.174	94	88	NE	1	SE	1	10	10	°	—	°
20	90	84	32.9	32.8	31.0	40.3	0.7	0.9	.173	.168	92	90	NE	1	NE	3	10	7	°	—	°
21	77	74	31.5	30.6	29.3	40.5	0.5	0.6	.165	.156	93	91	NE	1	SE	1	10	7	°	—	°
22	76	68	34.0	37.9	28.6	44.2	2.4	2.2	.148	.187	76	82	SE	1	SE	4	5	10	°	—	°
23	41	23	38.9	39.9	33.6	42.9	3.3	1.4	.172	.213	73	89	SE	5	SE	7	10	10	°	—	°
24	48	72	41.8	44.0	37.6	51.5	0.8	1.7	.247	.250	94	86	SE	1	SW	3	10	5	°	—	°
25	78	85	43.3	42.0	40.1	45.8	2.0	0.0	.237	.267	84	100	SE	2	SE	1	10	10	°	—	°
26	87	92	40.0	38.2	37.8	43.2	0.0	0.2	.247	.226	100	95	SE	3	SE	4	10	10	°	—	°
27	96	92	40.0	39.8	37.0	42.4	1.2	1.8	.224	.209	90	86	SE	2	SE	4	10	10	°	—	°
28	71	54	42.0	39.8	37.2	46.8	1.8	2.0	.229	.206	86	84	SW	3	SW	5	10	10	°	—	°
29	67	52	39.0	44.0	37.4	48.5	2.0	1.3	.199	.259	84	90	W	3	SW	5	5	10	°	—	°
30	35	29.45	47.3	38.0	35.0	48.0	2.7	4.0	.263	.157	81	68	SW	7	W	4	10	10	°	—	°
31	42	28.74	40.2	40.0	34.5	47.2	2.2	1.0	.205	.226	83	92	SW	5	W	7	10	10	°	—	°
31	29.06	29.31	42.2	37.8	36.3	45.6	3.9	2.8	.193	.175	73	77	W	7	SW	3	5	5	°	—	°
M.	29.583	29.574	37.5	37.2	33.2	43.2	1.3	1.1	.201	.201	89	90	2.7	2.8	8.7	9.1	3.88	—	—	°	°

GLASGOW, LANARKSHIRE, a.—MARCH 1908.

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

1	29.42	29.60	37.2	37.9	35.3	40.9	2.8	3.7	170	77	N	N	*	7	5	8	—	3.3	31	☉ a. Cloudy.		
2	58	57	38.3	37.4	35.1	43.1	3.6	2.1	166	183	N	N	6	NE	7	8	.012	3.2	28	Cloudy, ☉ 6p.-7p.		
3	57	57	38.1	35.7	35.1	41.6	3.9	0.8	159	196	NNE	11	NE	8	8	6	.014	3.0	30	Cloudy, ☉ 6p.		
4	52	67	33.9	35.1	32.3	41.0	0.9	1.4	177	177	E	4	—	3	5	5	.014	3.0	26	☉ 6a. Cloudy, with ∞.		
5	76	39	31.3	38.6	28.5	39.1	0.7	1.7	176	201	86	—	4	SE	9	9 <sup>2</sup>	.082	22	— <sup>∞</sup> a. ☉ from 2p.			
6	17	38	37.2	37.8	35.3	39.5	0.9	2.1	204	188	83	ENE	13	N	7	10	.014	32	Overcast, with ☉.			
7	43	29.49	37.2	38.7	33.4	44.3	2.8	1.5	170	206	77	NW	4	—	2	8	.350	6.7	26	☉ a. Cloudy.		
8	29.19	28.57	43.6	46.8	38.2	49.3	0.4	2.0	274	273	97	SW	4	SSW	21	10	.800	—	34	Overcast, with ☉.		
9	28.56	28.64	40.9	42.7	38.0	47.1	1.5	2.7	224	218	88	W	26	W	10	10	.142	37	Overcast, with ☉.			
10	29.00	29.36	42.2	40.8	40.6	46.6	3.2	2.3	205	209	77	WSW	7	N	4	7	8	.09	35	Dull and cloudy.		
11	62	72	36.9	38.5	33.7	46.9	1.6	1.4	189	205	87	—	2	—	2	7 <sup>2</sup>	4	—	5.2	25	Fine day.	
12	83	86	30.6	37.6	28.8	45.3	0.0	2.6	171	177	100	78	—	1	—	2	9 <sup>2</sup>	5	—	3.8	22	Fine, but cloudy.
13	91	29.90	32.2	40.3	30.2	44.2	0.2	3.3	179	186	98	74	—	2	—	2	9 <sup>2</sup>	10	—	2.5	21	Dull and cloudy.
14	98	30.02	37.6	38.5	35.8	45.7	2.0	1.9	188	196	83	E	4	—	0	8	10	—	4.7	29	☉ 9.15a. Cloudy.	
15	96	29.80	35.7	38.1	34.1	41.4	0.9	1.8	194	194	92	84	—	1	—	2	9	10	.031	0.2	26	Dull.
16	77	77	37.1	39.9	35.3	42.5	1.5	1.7	192	212	87	ENE	4	—	3	10	10	.005	0.5	35	Dull.	
17	69	76	37.5	38.7	39.5	43.1	0.8	1.6	209	204	93	87	—	2	E	4	10	10	.040	0.2	36	Overcast and gloomy.
18	86	84	36.6	37.1	35.9	42.0	0.5	2.2	207	179	96	NW	4	E	7	10	10	—	.01	34	Overcast.	
19	76	79	35.3	33.9	39.9	39.5	1.9	1.9	170	157	82	80	E	7	E	4	4	2	—	3.5	22	— <sup>2</sup> a.
20	74	70	33.2	36.1	30.2	41.3	1.1	2.4	167	169	88	79	E	4	—	2	10	3	—	2.4	21	Dull and cloudy.
21	72	61	35.1	36.9	31.1	42.8	1.6	3.9	173	150	84	69	—	3	SE	7	9	5	—	1.1	25	Cloudy, with ∞.
22	24	13	38.3	42.1	33.2	43.0	4.1	2.1	188	224	67	84	E	11	SE	11	10	10	.006	—	28	Dull.
23	45	69	46.2	44.7	41.4	52.3	2.6	2.7	255	236	82	80	SW	10	S	7	10	0	.040	6.4	38	☉ a. Fine day.
24	72	81	44.6	43.8	45.5	45.5	1.7	0.6	256	271	87	86	SSE	4	—	2	10	10	.070	—	37	Overcast, with ☉.
25	80	81	39.1	39.9	38.4	45.0	0.8	0.5	223	236	93	96	N	6	E	10	10	10	.550	—	38	Overcast, with ☉.
26	86	89	39.9	42.3	38.2	44.2	1.0	2.3	226	222	92	83	E	7	SSE	4	10	7	—	—	37	☉ early a. Overcast.
27	65	57	44.4	38.4	37.8	46.2	2.5	0.6	238	220	81	95	S	13	W	4	10	10	.226	—	33	☉ 2a.-9a.
28	67	51	41.3	45.8	34.1	47.6	2.6	1.4	208	277	80	90	SSW	10	SSW	17	8	10	.075	5.7	26	☉ from 3p.
29	31	29.40	47.2	37.3	36.2	47.9	2.8	2.8	260	172	81	77	SSW	26	SW	12	10	4	.225	1.3	31	☉ 10a.-3p. and 1cp.
30	42	28.74	40.5	43.6	36.8	46.9	2.5	2.4	202	232	80	82	SW	13	SW	21	6	10	.440	4.9	31	☉ from 3p.
31	29.14	29.37	41.1	37.9	36.8	44.2	3.8	1.9	184	191	72	84	W	15	WNW	7	7	1	.083	7.1	34	☉ <sup>2</sup> showers.
M.	29.561	29.545	38.4	39.4	35.1	44.2	1.8	2.0	199	204	85	84	—	8	—	7	8.6	7.4	4.205	67	30.0	—

\* Miles per hour.

† Beaufort Scale (0—12).



COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MARCH 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.					
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SW	†	†	0	8	ins.	hrs.	°	
2	29°08	29°32	37	34	30	37	3°0	2°0	165	156	75	79	2	Calm	0	8	1	200	—	31	
3	31	30	34	34	31	37	1°0	1°0	176	176	89	89	NW	2	SE	1	4	250	2°6	26	
4	27	37	34	33	32	40	0°0	0°0	196	188	100	100	NE	1	W	1	8	250	5°8	29	
5	44	48	33	31	29	39	0°0	0°0	188	174	100	100	N	1	W	2	7	200	3°4	25	
6	53	29°39	29°5	26	38	0°5	1°0	150	176	92	89	NW	1	S	2	100	4	170	3°3	19	
7	01	28°97	37	36	32	37	0°0	0°0	220	212	100	100	SE	5	NE	5	100	100	850	—	27
8	17	29°34	36	33	32	40	1°0	0°5	193	177	91	94	NW	4	W	2	7	120	7°5	31	
9	29°12	28°67	38	47	32	48	0°0	2°0	228	275	100	86	S	1	SW	6	100	120	1°0	27	
10	28°49	28°46	39	39°5	37	47	1°0	0°5	218	232	92	96	W	9	W	5	9	090	0°2	36	
11	28°65	29°05	40	39	38	42	0°0	0°0	247	238	100	100	NW	6	NE	2	10	220	0°1	36	
12	41	52	36	34	33	45	0°0	0°0	212	196	100	100	W	2	NW	2	100	7	010	6°5	29
13	61	66	36	34	31	45	1°0	1°0	193	176	91	89	NW	1	NW	2	1	—	5°6	26	
14	74	78	35	36	30	41	1°0	1°0	184	193	90	91	NW	1	W	1	3	10	—	4°5	25
15	82	87	33°5	32	31	40	0°5	1°0	182	157	94	87	S	1	Calm	0	9	0	—	2°1	28
16	82	69	36	34	28	40	2°0	0°5	175	186	82	95	SW	2	S	2	8	10	—	4°4	23
17	61	64	33	35	28	40	0°5	0°0	177	204	100	100	S	2	S	1	10	9	010	2°1	26
18	56	61	33°5	33	28	36	0°5	0°0	182	188	94	100	S	1	W	2	8	10	—	2°2	22
19	61	66	35	33	30	41	1°0	0°0	184	188	90	100	SW	1	NE	1	8	9	050	6°0	24
20	66	63	37	33	28	40	3°0	1°0	165	167	75	89	NE	1	NW	2	4	8*	050	5°3	22
21	55	55	33	33	30	40	1°0	1°0	167	167	89	89	NW	2	S	1	3	0	005	4°0	22
22	58	54	39	37	28	43	2°0	1°0	199	200	84	91	S	2	SE	3	0	0	—	6°7	19
23	24	08	39	39	31	45	1°0	0°0	218	238	92	100	SE	6	SE	4	9	100	0°30	1°5	26
24	33	33	40	39	36	53	1°0	1°0	255	218	92	92	SE	2	SW	2	0	0	—	5°1	31
25	65	65	40	43	36	51	2°0	0°0	265	277	86	100	SE	2	SE	3	7	100	340	1°1	30
26	65	67	39	38	38	43	0°0	0°0	238	228	100	100	SE	5	SE	5	100	100	280	—	38
27	73	75	39	39	38	41	1°0	0°0	218	238	92	100	SE	2	SE	2	100	10	005	—	36
28	63	43	41	42	32	50	1°0	0°0	235	267	92	100	SE	2	SE	3	9	100	380	4°2	27
29	55	51	39	43	33	50	1°0	1°0	218	255	92	92	S	5	S	6	0	8	005	10°0	29
30	32	29°31	48	36	30	51	2°0	1°0	285	193	86	91	SW	7	SW	4	9	1	070	0°8	40
31	29°36	28°78	41	40	32	48	2°0	0°0	215	247	84	100	W	6	S	6	4	100	020	8°0	26
31	28°94	29°18	38	36	36	45	0°0	1°0	228	193	100	91	W	7	W	7	8	0	030	7°4	32
M.	29°401	29°402	37°3	36°4	31°8	43°0	1°0	0°6	206	206	92	95	3°0	2°7	6°9	5°6	3°475	109	28°0		

CRONKBOURNE, (DOUGLAS) ISLE OF MAN, a.—MARCH 1908.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar, 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +.024 in.

1	29°38'	29°60'	40°0'	38°0'	35°8'	42°1'	3°0'	2°0'	1°89'	1°90'	76	83	NNW	5-6	NNW	5	6	3	'008	5°4	32	Fine day.
2	29°62'	29°55'	38°5'	37°0'	34°5'	43°5'	2°9'	1°2'	1°78'	1°96'	77	89	NNW	5	N	3-4	100	100*	'075	6°5	29	— a. Fine day.
3	53	56	39°0'	35°2'	34°1'	43°0'	2°3'	1°2'	1°94'	1°82	82	88	N	5-6	NE	2	10%	2	'018	6°1	31	● showers.
4	63	69	32°6'	29°4'	29°4'	42°7'	1°5'	0°8'	1°53'	1°41	83	87	WNW	2	Calm	0	8	2	—	6°4	27	Fine day.
5	73	54	34°0'	41°8'	28°4'	44°8'	2°0'	1°7'	1°50'	229	79	87	S	2	SSE	4	8	10	'265	0°6	26	From 5 p.
6	04	38	37°8'	39°1'	37°4'	43°0'	1°1'	1°3'	2°06'	213	91	89	NE	4	NNW	6-7	10	2	'116	—	36	Overcast, with ●.
7	55	29°58'	42°0'	41°3'	36°0'	45°5'	2°5'	1°1'	2°16'	236	82	92	W	4	SW	3	6	10	'312	4°5	32	Cloudy day. ● n.
8	29°37'	28°90'	48°3'	46°1'	42°0'	50°2'	1°0'	1°6'	3°14'	275	93	89	SW	5-6	SW	4-5	10	10	'070	0°4	34	● showers.
9	28°96'	28°84'	41°2'	41°0'	39°0'	46°6'	3°2'	0°6'	1°96'	244	76	95	W	5-7	WNW	6	3	100	'110	5°6	36	● ● p.
10	29°15'	29°41'	43°8'	40°0'	39°0'	45°0'	1°8'	1°0'	2°46'	226	86	92	NW	8-9	NNW	8-9	10	100	'241	2°2	40	Squally ●.
11	66	77	44°0'	34°6'	34°6'	47°6'	3°0'	0°5'	2°24'	191	77	95	Calm	0	NW	1	4	2	'001	6°0	34	Fine day.
12	87	91	44°5'	38°0'	33°0'	48°0'	2°5'	1°5'	2°38'	199	81	87	NNW	1	NNW	2	8	100	—	8°4	28	— a. Fine day.
13	96	29°96'	39°0'	42°5'	27°7'	45°8'	2°6'	3°0'	1°88'	211	80	78	Calm	0	SE	4	100	100	'327	1°8	25	— a. ● n.
14	29°96'	30°07'	40°0'	38°0'	37°0'	42°5'	0°9'	1°2'	2°28'	204	93	89	SE	4-5	SE	4	100	10	'070	—	37	● p.
15	30°00'	29°86'	37°3'	41°1'	35°6'	41°6'	0°5'	0°9'	2°13'	238	96	93	ESE	4	ESE	3-4	10	10	'181	—	32	● showers.
16	29°80'	84	40°1'	39°8'	38°0'	41°7'	1°0'	0°6'	2°27'	232	92	96	ESE	2	NNW	2	10	10	'047	—	38	● showers.
17	73	81	38°5'	37°0'	30°2'	43°0'	1°0'	0°9'	2°13'	202	92	92	ESE	4	NE	3	10	10	'002	3°0	25	— a. ● toa.
18	82	83	37°0'	36°4'	32°0'	42°0'	1°0'	0°1'	2°00'	213	91	99	NNW	1	E	2	10	100	'001	—	29	— a.
19	86	81	40°0'	36°1'	33°2'	41°6'	3°9'	2°1'	1°74'	174	70	81	NE	3	ENE	1	7	3	—	9°3	28	— a. Very fine. ● p.
20	76	75	38°8'	29°0'	29°0'	41°8'	2°4'	0°9'	1°90'	133	81	84	ESE	3	N	1	4	0	—	9°2	27	Very fine. — p.
21	77	64	41°5'	41°6'	27°8'	45°0'	3°8'	2°7'	1°89'	209	73	80	SE	3-4	SE	4	2	2	'053	8°0	25	Very fine.
22	17	19	39°0'	45°0'	41°1'	45°0'	0°9'	1°3'	2°20'	268	93	90	SE	6-7	S	3-4	100	10	'135	—	35	Squally, with ●.
23	57	78	45°0'	43°2'	41°3'	50°8'	1°0'	2°2'	2°75'	232	92	83	SSW	3	S	2	9	100	'212	5°8	33	Fine day. ● n.
24	81	81	43°5'	40°6'	40°6'	44°7'	0°5'	0°3'	2°71'	247	96	97	SE	4	NNW	4	100	100	'686	—	34	● showers.
25	82	82	40°0'	40°0'	39°1'	42°0'	1°3'	0°7'	2°28'	232	90	94	NW	6	NW	3	100	10	'050	—	38	—
26	85	91	40°0'	40°4'	39°1'	43°4'	0°6'	0°9'	2°38'	233	96	93	NNE	1	SE	1	10	8	—	—	39	—
27	82	67	44°0'	37°8'	36°8'	45°6'	2°0'	1°3'	2°44'	202	84	90	SSE	5	NW	4	10	100	'490	0°2	32	Dull day. ● <sup>2</sup> p.
28	82	74	44°0'	45°2'	33°7'	47°6'	3°0'	1°2'	2°24'	273	77	91	WSW	4	SSW	5	0	10	'002	6°8	29	— a. Fine till 1 p.
29	50	58	47°0'	39°0'	39°0'	47°5'	2°2'	4°5'	2°71'	157	85	67	SSW	6-7	WSW	3	10	0	'211	2°0	32	▲ <sup>2</sup> showers.
30	59	07	43°9'	44°7'	34°2'	47°6'	3°9'	2°9'	2°06'	233	72	79	WSW	5-6	W	6-8	3	4	'119	4°6	32	Fine till 1 p. ● <sup>2</sup> p.
31	29°40'	29°59'	42°0'	40°6'	37°2'	47°0'	3°5'	3°3'	1°99'	1°89	75	74	W	7-8	WNW	4	3	1	—	10°2	36	Very fine.
M.	29°629	29°627	40°9	39°3	35°3	44°8	2°0	1°5	2°16	2°13	84	88	4°0	3°5	7°8	6°5	3°802	113	32°0			

† Beaufort Scale (0-12).

STONYHURST, LANCASHIRE, a.—MARCH 1908.

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.		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.	Min.	Max.	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.					
2	29°05	29°27	36°0	35°7	32°8	38°8	3°2	3°2	155	152	72	72	N	6	N	9	8	4	033	3'4	31	* a. Bright intervals.	
3	31	27	36°0	36°4	32°5	40°9	3°7	2°0	147	178	68	83	NW	7	NW	8	7	5	025	4'5	29	at noon. ☼ *° p.	
4	22	32	34°3	33°7	32°9	39°1	1°0	1°3	176	167	89	86	NNE	7	NE	4	10 *°	6	20	29	Fine day.		
5	37	45	35°0	33°4	31°0	40°9	1°5	1°4	174	163	85	85	NE	4	NE	4	7	0	4'5	27	*° early a. Fine day.		
6	29°55	29°37	29°0	37°6	26°1	40°5	1°0	2°5	130	179	82	79	S	1	S	11	10	8	210	0'4	19	☼ a.	
7	28°80	28°97	35°3	37°6	33°3	37°9	1°1	2°0	185	182	90	83	NE	7	NW	18	10	10	167	—	32	*°	
8	29°28	29°38	38°0	37°0	34°2	41°7	1°8	0°8	194	204	85	93	W	15	—	1	10	10	1625	1'1	32	☼ showers. Bright intervals.	
9	29°16	28°80	46°0	49°8	35°8	50°8	0°0	3°0	311	285	100	81	WSW	15	SW	21	10 *°	10	080	—	35	☼ showers p.	
10	28°77	28°62	40°0	40°0	37°9	50°0	2°9	1°0	195	226	78	92	W	18	SW	18	10	10	295	4'7	38	☼ 3p.	
11	28°78	29°07	42°0	41°2	38°5	45°4	2°0	2°5	225	209	85	81	WNW	21	NW	12	9	9	065	3'5	37	☼ showers p.	
12	29°41	54	40°0	35°1	34°0	45°9	2°7	1°9	194	167	78	81	—	3	—	2	7	0	—	7'9	27	Fine day. ☼	
13	63	65	35°0	37°0	29°2	45°9	0°7	0°8	190	204	93	93	—	2	—	2	10	≡	5	—	5'6	23	☼ till 10 a. ☼ 3p.
14	74	75	35°0	37°3	27°8	44°9	3°0	2°3	148	179	72	81	—	2	—	1	0	8	015	5'2	21	☼ a. Fine day.	
15	78	86	35°3	37°0	33°4	38°8	1°0	2°5	187	174	91	79	NE	4	—	2	10	10	010	—	28	*° a., then *°.	
16	82	68	34°2	34°0	31°3	37°0	2°9	1°3	142	170	73	86	SSE	6	—	2	10	10 *°	140	—	29	*° a. and p.	
17	56	62	33°2	36°1	31°7	38°8	0°8	1°5	173	185	91	86	S	4	—	1	10 *°	10	030	—	31	*° a. and p.	
18	54	56	33°4	36°8	31°4	38°4	1°4	2°7	161	169	85	77	—	2	E	4	10 *°	10	—	—	31	*° showers a.	
19	58	59	36°0	34°3	30°3	41°8	2°0	2°3	175	154	82	77	—	2	ENE	4	7	0	005	4'2	25	Fine and sunny.	
20	61	59	35°0	33°4	27°4	40°2	2°8	1°2	151	167	74	87	ENE	5	NE	4	6	1	—	5'6	22	*° a.-8a. Bright intervals.	
21	52	51	33°0	35°0	25°3	40°4	2°5	1°0	138	184	73	90	—	2	NE	4	5	10 *°	005	2'4	19	☼ a. *° noon.	
22	56	52	33°6	38°7	31°3	43°5	1°2	3°7	168	167	87	71	SE	12	E	6	9	10	—	3'5	29	☼ showers a.	
23	13	06	38°1	40°5	33°2	42°8	3°0	1°1	174	228	75	91	SW	12	E	4	10	10	120	—	29		
24	36	61	45°5	39°8	39°3	51°5	1°7	1°3	266	219	88	90	SE	4	S	4	10	10	—	8'2	33	Fine and sunny.	
25	62	61	44°0	45°0	35°5	47°2	2°6	0°7	232	282	80	94	SE	4	S	4	10	10	780	—	29	☼ all day.	
26	59	60	41°0	39°0	38°3	46°0	0°5	0°5	246	228	96	96	—	3	—	2	10	10	187	—	37	☼ most of day.	
27	64	75	41°0	39°8	38°0	42°5	1°0	0°8	235	228	92	94	—	1	—	1	10	6	—	—	34		
28	65	42	43°1	44°6	33°1	50°2	2°8	2°4	220	241	79	82	S	13	SW	13	4	10	164	5'0	30		
29	58	61	41°6	44°0	36°3	47°4	3°1	2°8	202	228	78	78	WNW	10	SW	9	7	5	005	10'4	13	Fine day.	
30	42	28°91	43°0	44°6	34°1	49°9	3°0	2°6	215	237	78	80	SW	12	SW	22	1	10	290	—	33	☼ noon.	
31	29°15	29°31	40°3	40°2	38°1	45°9	3°0	2°2	191	205	76	83	W	23	W	9	9	0	—	7'5	31		
M.	29°407	29°406	38°0	38°4	33°3	43°6	2°0	1°8	192	199	83	85		8		7	8'3	6'7	3'421	95	29'7		

HILLINGTON, NORFOLK, a.b.—MARCH 1908.

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, +.021 in.

[illegible]

\* Miles per hour.

† Beaufort Scale (0-12).



## SHREWSBURY, SHROPSHIRE.—MARCH 1908.

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 Station Level.		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.	Min.	Max.	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.	36.8	35.1	33.5	44.0	1.9	0.4	183	197	84	96	NW	4	NW	3-4	8*	10.0	ins.	hrs.	31	* 1p.
2	29.21	29.39	36.6	37.0	32.5	43.0	1.7	2.5	185	174	86	79	N	3	NW	2	10	10	0.6	—	30	* 10p.
3	49	45	35.0	33.1	32.0	44.0	0.4	0.0	196	189	96	100	WNW	2	W	1-2	9	10	0.6	—	30	* storms a. and p.
4	41	45	34.8	34.0	31.5	41.9	1.0	0.5	182	186	91	95	N	2	N	1	7	10	—	29	* in afternoon.	
5	29.73	29.55	31.2	39.0	26.7	46.0	0.4	2.2	165	195	94	83	W	1	SW	2	0	0	2.0	—	26	
6	28.91	29.19	41.9	39.0	36.5	46.4	0.8	1.6	249	207	95	87	SSE	2	N	7-8	10	10.0	2.0	—	35	* a. and p.
7	29.51	29.57	41.0	41.3	37.6	47.8	4.1	1.9	178	221	69	85	WNW	4-5	NW	1	8	10	0.1	—	34	
8	45	29.09	50.1	51.0	40.0	56.0	1.1	3.0	334	299	93	80	SW	3	S	5-7	10	10.0	0.6	—	34	• in evening.
9	08	28.95	43.5	40.0	39.0	51.3	4.2	1.8	197	211	70	86	W	4-5	NW	5-6	2	8	0.5	—	35	• showers p.
10	57	70	40.9	34.0	34.0	48.0	2.0	0.0	215	196	85	100	NW	3	NW	1	7	0	—	28	• p.	
11	82	84	30.5	38.0	24.1	50.6	0.0	1.0	171	208	100	91	NW	2	NW	1	6	0	—	24		
12	91	29.92	34.0	37.5	29.0	48.9	1.0	1.5	176	195	89	87	NW	1	SE	1	3	10	—	25		
13	29.94	30.01	35.8	37.1	34.9	44.7	1.0	1.8	193	186	92	84	SE	1	SE	1	10	10.0	1.3	—	34	
14	30.00	29.86	31.9	33.9	30.6	44.5	0.0	0.1	181	193	100	99	SE	1	SE	2	10*	10.0	1.3	—	32	* all day. • in evening.
15	29.73	29.78	39.9	37.0	33.1	42.7	1.4	0.9	218	202	89	92	W	1	S	1	10	10.0	0.6	—	32	• all day. = p.
16	71	70	34.9	36.0	31.0	44.9	0.9	1.2	185	189	91	89	SE	1	S	1	10	9	—	29		
17	75	73	34.7	34.0	28.0	46.0	1.4	0.8	174	180	86	91	N	1	SSE	1	2	10	—	27		
18	74	69	37.0	33.0	31.6	42.7	2.7	1.0	170	167	77	89	N	3	N	1	7	0	—	29		
19	69	67	31.3	35.7	26.1	44.2	0.5	0.6	163	197	92	94	W	1	W	1	0	0	—	25		
20	74	68	35.6	37.2	31.6	48.3	1.3	1.2	185	198	88	89	SE	1	SE	1	7	0	0.2	—	31	
21	25	23	40.3	41.1	31.6	44.0	1.4	0.0	221	258	89	100	SE	4	SE	2	10.0	0	0.1	—	25	• a. and p.
22	55	78	47.1	43.6	39.6	57.8	2.3	1.6	270	248	84	87	W	3	NW	1	2	0	—	31		
23	81	78	44.4	44.9	34.0	48.3	2.3	0.4	242	289	83	97	SE	2	SE	1	10	10.0	0.86	—	31	• from 11a.
24	80	79	39.0	41.6	38.0	45.8	0.1	1.7	236	227	99	87	NW	2	NW	3	10.0	1.1	—	31	• a. and p.	
25	83	92	43.0	40.6	35.0	47.0	3.0	1.6	215	219	78	87	W	2	SE	1	3	10	—	31	• shower 2p.	
26	87	94	45.0	46.0	29.5	54.9	5.0	1.7	197	272	66	88	SE	3	SE	3	0	10.0	1.9	—	28	• at night.
27	81	86	42.1	43.7	36.5	53.3	4.1	2.7	189	227	71	79	WNW	4	SE	4	2	10	—	33		
28	71	61	47.0	38.3	38.0	50.7	3.0	0.8	253	215	79	94	SW	5	SW	2	10	9	0.9	—	38	• p.
29	65	23	45.0	40.0	33.2	53.0	3.1	3.0	231	244	77	79	SW	3	SW	4	4	4	1.7	—	29	▲ 11a. • 4p.
30	29.43	29.53	43.8	39.0	38.1	48.7	5.8	2.0	174	199	65	84	WNW	5-6	NW	3	4	0	0.1	—	35	
M.	29.602	29.596	39.3	39.0	33.4	47.6	2.0	1.3	205	213	85	89		2.6	2.3	6.5	6.8	2.69	—	31.0		

## CAMBRIDGE, a.—MARCH 1908.

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	29.25	29.43	34.5	36.0	32.8	40.0	1.3	1.0	174	193	86	91	NW	3	NE	4	9	6	18	1.0	29	●▲*
2	59	60	34.0	34.1	32.5	42.7	0.7	1.0	182	177	92	89	NW	2	Cal	0	10	0	03	0.3	29	* before 9a. ☒
3	59	61	34.8	35.2	32.1	38.1	0.3	0.3	196	200	97	97	SW	1	E	2	10	8	05	0.5	27	△ showers.
4	61	72	35.5	30.0	30.0	42.6	0.6	0.1	197	164	95	98	SE	1	Cal	0	9	0	—	2.1	27	
5	91	86	35.1	34.8	29.8	44.5	1.0	1.4	185	174	90	86	W	1	SE	2	2	0	—	2.4	23	
6	18	23	43.0	39.6	36.1	52.0	0.9	0.6	257	231	93	95	SE	4	SW	3	10●	10●	14	2.5	23	● a. and n. Sunny p.
7	65	77	41.0	36.4	36.2	45.9	3.5	0.5	189	206	74	96	W	4	Cal	0	8	7	04	1.2	31	Sunny intervals a. ▲ p.
8	67	43	44.5	50.5	34.5	57.2	0.3	3.4	286	283	98	78	SW	2	SW	6	10	9	03	1.5	25	☐ Sunny afternoon.
9	30	23	46.9	39.0	38.8	51.2	4.1	2.5	230	190	73	81	SW	5	SW	4	5	7	03	6.5	38	*●▲T a. and p.
10	19	32	43.1	42.0	36.9	48.0	2.4	2.0	227	225	81	85	W	5	SW	6	9●	10●	05	2.2	30	Sunny intervals. ● n.
11	67	85	40.6	35.4	35.4	46.2	2.1	0.9	211	190	84	92	NW	3	Cal	0	8	4	—	5.3	32	Sunny intervals.
12	29.98	29.96	37.1	39.4	27.9	50.2	3.3	3.2	161	181	73	75	NW	1	W	1	0	0	—	5.7	21	Fine and sunny all day.
13	30.04	30.14	37.3	29.3	29.3	43.9	1.9	0.3	186	154	84	95	NW	2	Cal	0	6	0	—	3.2	25	Fine day.
14	17	19	38.1	31.9	26.0	41.4	5.2	2.0	140	136	61	75	SE	1	NE	1	3	0	—	5.0	18	Sunny intervals.
15	30.18	30.09	31.5	32.9	19.0	42.1	1.3	1.5	147	156	82	83	Cal	0	Cal	0	0	10	06	5.4	15	Fine and sunny.
16	29.93	29.92	35.9	37.0	31.9	41.9	0.4	1.4	204	193	97	88	SW	1	N	1	9	10	—	28		* 2 early a.
17	84	84	35.5	36.0	30.2	42.1	0.7	1.0	195	193	94	91	NW	2	NW	2	10	10	—	1.1	24	
18	84	90	37.0	34.0	33.9	41.5	1.0	1.5	200	166	91	84	N	3	NE	2	10	0	01	—	28	
19	89	85	35.1	34.0	29.3	41.0	1.2	1.3	181	170	88	86	NW	2	N	3	7	3	05	4.0	20	* ▲ a. and p.
20	82	85	32.5	32.0	24.5	44.5	0.6	0.1	173	180	94	99	NW	1	Cal	0	10*	9	—	2.6	19	≡ a. *▲● p.
21	95	93	36.1	34.5	30.6	46.0	0.9	1.5	196	170	92	84	SE	1	Cal	0	9	0	—	1.4	26	Sunny p.
22	65	50	44.5	42.0	31.5	49.2	4.6	1.2	199	241	67	91	SE	5	SE	3	8	10●	05	2.8	21	Sunny early a. ● n.
23	29.76	29.97	44.6	38.0	38.0	55.8	1.6	3.5	258	222	88	97	W	1	Cal	0	10	0	—	5.3	37	Fine and sunny.
24	30.06	30.03	47.6	48.0	29.7	59.5	3.6	3.3	247	253	75	76	SW	1	Cal	0	3	10	03	9.5	23	Sunny all day.
25	29.96	29.93	42.7	42.2	40.0	49.4	0.8	0.2	257	265	93	98	SE	2	E	1	10●	10●	46	—	35	● most of day.
26	29.98	30.10	41.1	43.4	40.1	45.0	0.1	0.7	256	266	99	95	NW	1	Cal	0	10●	10●	01	—	40	● early a.
27	30.11	29.94	42.1	44.9	33.9	53.0	0.2	3.1	264	231	98	78	W	1	SW	2	9	9	14	5.0	27	Fine and sunny.
28	29.90	30.09	41.5	34.9	34.9	50.8	1.9	0.9	223	185	86	91	NW	4	Cal	0	9	0	—	5.9	32	● early a. Sunny day.
29	30.04	29.81	47.0	47.0	34.4	53.5	3.6	2.5	264	264	75	83	SW	4	SW	4	9	10●	09	3.6	25	Sunny intervals. ● n.
30	29.91	29.54	46.5	45.5	33.9	54.5	3.6	1.6	236	268	75	88	SW	3	SW	6	3	8	15	7.3	25	● at night.
31	29.58	29.71	45.2	38.6	38.1	50.3	5.1	3.2	198	175	66	75	W	6	SW	2	4	2	—	11.2	31	▲
M.	29.780	29.784	39.7	38.0	32.6	47.2	1.9	1.4	210	203	85	88		2.4		1.8	7.3	5.5	1.70	104	26.9	



## SOUTHAMPTON, HAMPSHIRE, a.—MARCH 1908.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar, 6 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 Station Level.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.					9 a.m.	9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.	9 p.m.					
1	ins.	ins.	37.6	35.1	34.4	42.5	2.6	1.0	in.	in.	%	%	NW	3	NW	4	10	ins.	hrs.	0	* (sleet) * p.
2	29.32	29.35	37.6	35.1	34.4	42.5	2.6	1.0	177	185	78	90	NW	3	NW	4	10	070	23	30	Fine day.
3	59	59	36.1	36.4	33.2	45.4	2.0	2.3	176	173	82	80	NE	4	NE	3	10	—	21	29	* 4p-10p.
4	57	50	35.5	33.8	31.4	42.6	1.3	0.8	183	178	88	91	NW	3	NW	4	10	770	—	26	* 3p. Fine day.
5	57	57	34.5	36.9	32.8	43.4	0.5	1.2	190	196	95	90	NW	2	NW	2	10	—	39	32	* 3p. Fine day.
6	57	57	31.6	40.7	28.2	46.3	0.9	1.9	157	215	88	85	NW	3	NW	4	10	670	44	23	* 3p. Fine day.
7	57	57	34.5	41.3	40.0	49.8	1.3	2.3	278	213	91	82	SW	4	NW	6	8	050	35	36	* 3p. Fine day.
8	77	77	41.4	41.1	38.1	46.4	2.6	0.9	208	238	81	93	W	3	SE	3	10	060	—	35	* 3p. Fine day.
9	74	74	50.1	49.0	40.8	57.5	1.1	1.1	333	320	92	92	W	1	SW	6	10	100	19	39	* 3p. Fine day.
10	35	41	48.0	40.3	39.9	49.7	4.8	2.2	228	206	68	83	WSW	4	WSW	4	5	085	56	37	* 3p. Fine day.
11	35	49	46.7	42.8	39.9	48.9	4.8	3.9	216	198	68	71	NW	5	NW	5	7	—	47	36	* 3p. Fine day.
12	72	85	43.9	41.9	40.5	52.4	2.9	1.9	225	226	78	86	NW	4	NW	2	9	—	50	38	* 3p. Fine day.
13	29.95	29.99	41.1	40.9	33.2	52.4	2.3	2.0	210	215	82	85	NE	2	SW	2	10	—	60	27	* 3p. Fine day.
14	30.05	30.09	37.1	39.4	33.8	49.6	1.2	2.6	197	191	89	80	NE	3	NE	1	10	—	43	28	* 3p. Fine day.
15	11	14	42.1	39.0	36.1	44.4	3.0	2.9	208	183	78	78	SE	3	SE	3	10	—	08	30	* 3p. Fine day.
16	30.17	30.09	34.0	37.3	30.3	40.7	2.1	2.9	154	169	79	75	NE	3	NW	2	10	020	03	24	* 3p. Fine day.
17	29.94	29.89	40.3	42.0	35.9	49.4	1.0	2.4	229	218	92	82	SW	2	NW	2	10	—	20	33	* 3p. Fine day.
18	84	80	37.9	39.3	36.0	47.3	1.9	3.0	191	183	84	77	NE	3	NE	3	10	—	21	31	* 3p. Fine day.
19	83	81	37.0	35.8	35.0	44.4	1.8	1.0	186	193	85	92	NE	3	NE	4	10	—	39	25	* 3p. Fine day.
20	80	84	37.8	39.1	29.9	47.8	4.3	3.0	151	182	67	77	NE	4	NW	4	10	—	74	24	* 3p. Fine day.
21	92	88	42.4	38.8	34.8	49.3	3.4	1.7	203	203	75	86	NW	2	SE	2	10	—	52	25	* 3p. Fine day.
22	50	44	44.1	44.3	37.7	44.5	3.9	0.5	208	279	71	96	SE	6	SE	1	10	—	51	30	* 3p. Fine day.
23	29.77	29.77	48.1	44.8	35.0	56.8	0.6	1.8	286	255	95	86	SE	2	SW	1	0	395	01	33	* 3p. Fine day.
24	30.04	29.99	40.4	45.7	32.5	52.7	2.1	1.4	267	275	85	90	SW	2	SE	3	9	010	51	34	* 3p. Fine day.
25	29.86	29.93	46.3	42.5	42.3	47.0	0.6	1.8	300	234	96	86	SE	4	NW	2	10	080	06	28	* 3p. Fine day.
26	29.99	30.09	47.0	43.4	36.4	55.3	4.2	2.5	229	228	72	80	NW	0.5	N	1	1	370	—	39	* 3p. Fine day.
27	30.11	29.92	43.9	45.5	35.4	54.5	2.2	2.3	240	252	84	83	W	0.5	SW	4	0	80	69	32	* 3p. Fine day.
28	29.95	30.12	44.9	43.2	40.5	54.6	3.7	3.5	219	208	73	75	NW	3	NW	2	5	104	77	29	* 3p. Fine day.
29	30.07	29.85	49.5	40.9	39.0	51.8	4.0	1.1	261	295	73	93	SW	4	SW	3	9	060	90	36	* 3p. Fine day.
30	29.94	29.94	49.4	47.6	37.4	53.8	2.8	0.9	253	308	81	94	SW	3	SW	7	7	155	25	30	* 3p. Fine day.
31	29.72	29.74	46.8	42.0	41.1	50.2	5.6	1.9	203	227	63	86	WNW	3	W	2	8	285	63	30	* 3p. Fine day.
M.	29.791	29.786	41.9	41.1	35.8	49.0	2.6	2.0	216	220	81	85	3.0	3.0	7.1	7.5	3.322	111	31.2		

## PLYMOUTH, DEVONSHIRE, a.—MARCH 1908.

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	29.37	29.44	38.4	37.0	34.3	43.5	2.2	2.6	190	172	83	78	NNW	19	N	13	6	0	—	6.0	30	Fine, but cold. ▲	
2	59	74	38.8	37.0	34.5	44.1	4.7	1.9	153	184	65	84	NNE	19	NW	9	7	8	18	6.0	30	Fine and sunny.	
3	54	55	36.1	37.0	35.0	43.2	0.3	2.1	207	180	97	82	NW	8	NW	11	10	0	—	3.4	29	Dull, then fine.	
4	60	76	34.6	36.0	30.0	44.0	2.4	2.1	155	173	77	81	N	9	—	2	0	0	—	6.3	26	∞. Fine and sunny.	
5	86	69	34.9	45.9	32.9	48.9	2.8	3.0	151	244	74	79	NW	10	S	31	6	10	0	7.6	23	☞. Fine day. ↗ from 11p.	
6	15	59	42.8	44.2	40.0	46.3	1.8	6.1	236	173	86	59	W	29	W	32	10	0	0	6.3	26	☞ till 2a. Dull day.	
7	78	73	44.8	44.9	40.4	47.2	3.4	0.9	224	276	76	93	W	17	—	0	10	10	0	19	—	35	Overcast, with ●.
8	77	45	50.9	51.1	43.9	51.4	1.9	1.9	324	327	87	86	SW	23	S	+	9	10	10	07	08	42	Dull day.
9	43	33	44.0	42.1	40.0	51.1	3.0	2.0	224	226	77	85	WSW	+	WSW	34	8	10	10	12	4.6	36	Squally, with ● showers.
10	48	62	45.0	42.0	41.0	48.0	3.9	4.0	216	190	73	72	W	25	NW	23	8	4	04	6.6	36	Cold and unsettled. ▲●	
11	78	84	45.0	42.9	40.1	48.8	3.3	2.8	227	218	76	80	NW	20	—	0	5	10	—	7.5	35	Very fine and sunny.	
12	29.88	29.96	45.7	43.0	39.4	52.4	3.7	2.1	227	232	74	83	—	0	—	0	0	0	—	9.1	31	Very fine and sunny.	
13	30.01	30.02	43.0	44.1	33.1	47.9	4.0	4.1	197	204	71	70	—	1	SW	10	8	10	0	5.0	0.9	27	☞=●.
14	01	06	38.9	38.2	37.8	44.1	1.0	1.0	218	210	93	92	SE	8	ESE	9	10	3	14	—	34	Wet day.	
15	30.08	30.03	44.3	43.0	34.9	48.1	4.8	3.2	200	211	67	77	SE	+	SW	11	7	10	16	2.6	29	Sunny intervals.	
16	29.92	29.90	42.4	43.7	38.3	48.0	2.4	5.7	221	183	82	61	NW	11	NW	10	6	8	—	8.1	36	Fine and sunny.	
17	79	80	43.1	39.0	37.0	48.5	2.1	1.5	233	209	83	88	—	1	E	8	0	0	—	7.7	30	☞. Beautifully fine and sunny.	
18	81	77	38.4	43.6	35.3	45.1	4.3	7.9	156	143	67	50	NE	7	NE	9	7	10	—	3.5	29	☞. Fine day.	
19	74	75	38.7	38.2	34.2	45.0	4.7	4.4	151	153	64	66	E	17	NE	10	0	10	—	8.4	29	☞. Fine and sunny.	
20	74	79	39.1	42.8	31.5	44.1	3.5	5.1	173	179	73	64	E	5	SSE	9	9	10	02	2.0	26	Fine and sunny.	
21	82	71	41.0	47.2	38.3	48.1	3.1	6.1	195	197	76	61	SE	21	SE	22	9	0	37	6.9	32	Sunny day. ● showers.	
22	21	39	46.0	45.0	42.1	51.8	0.9	1.9	289	255	94	86	SE	47	WSW	8	10	0	07	3.3	36	☞ a., then fine.	
23	73	93	47.8	44.0	36.0	55.2	2.4	2.3	274	238	83	82	W	6	—	0	4	0	04	7.9	30	Sunny day. ● showers.	
24	93	88	46.1	47.0	38.2	47.9	0.6	1.0	298	298	96	93	S	22	NW	15	10	10	59	—	32	Dull, with ☞=●.	
25	96	29.97	45.2	47.2	40.2	50.1	3.9	7.0	219	182	73	56	NW	21	NW	5	7	6	—	10.1	28	Fine and sunny.	
26	29.97	30.05	47.9	39.0	30.0	50.2	4.9	1.9	225	201	68	85	—	0	—	0	0	0	—	10.1	35	Glorious day.	
27	30.03	29.80	48.5	49.2	39.0	52.0	2.4	2.5	282	289	83	83	S	17	SW	29	6	10	0	2.0	4.2	30	● showers.
28	30.00	30.08	44.0	45.0	39.2	51.2	5.3	1.2	183	271	63	91	NW	15	SW	15	6	0	—	9.3	31	Very fine and sunny.	
29	29.96	29.83	47.5	44.0	43.2	48.7	2.1	1.8	278	248	85	86	S	28	W	8	10	10	15	—	38	Dull, with ●.	
30	87	58	47.4	44.9	37.1	51.7	2.5	2.1	269	251	83	85	SW	23	WSW	28	9	9	0	2.0	5.2	31	Fine, then ●. ↗ 6p.
31	29.77	29.72	46.1	43.5	42.1	50.0	4.3	1.4	220	251	71	89	W	21	W	+	10	6	21	0.1	39	Dull day. ● in afternoon.	
M.	29.760	29.766	43.1	43.0	37.4	48.3	3.0	3.0	220	218	78	78	—	—	—	—	6.7	5.6	4.17	147	32.0		

\* Miles per hour.

† Beaufort Scale (0—12).

‡ No record.

## ARMAGH, a.—MARCH 1908.

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

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	33.5	33.3	30.0	44.0	0.3	2.9	in.	in.	%	%	*	*									
2	29.43	29.61	33.5	33.3	30.0	44.0	0.3	2.9	184	134	95	70	—	2	N	5	9	6	ins.	hrs.	0	* Sa. Cloudy day.	
3	59	57	38.6	38.1	29.5	47.7	2.0	2.6	196	181	84	78	—	3	N	4	9	10	0.30	7.5	22	Fine day.	
4	59	52	40.0	35.0	30.3	44.0	2.4	1.1	200	182	81	89	—	2	N	2	9	8	—	1.9	25	— early a. Cloudy day.	
5	57	62	34.8	31.3	28.5	42.5	1.0	1.3	182	145	91	82	—	1	—	3	9	6	—	4.0	22	— early a. Cloudy day.	
6	57	28	36.2	38.5	31.3	43.2	1.8	1.8	180	199	85	87	S	9	S	9	10	10	8.50	0.8	26	Cloudy day.	
7	58	47	35.8	32.8	32.6	42.0	0.1	1.0	208	166	99	88	N	8	NW	4	10	0	0.50	—	29	Overcast, with ☉.	
8	50	29	46	38.8	41.5	32.6	46.1	1.6	1.5	205	231	87	92	SW	7	SW	4	10	10	1.77	2.4	28	— early a. Cloudy day.
9	29.20	28.68	50.3	42.5	40.7	52.5	0.7	1.0	347	250	95	92	SW	16	SW	30	10	10	0.50	0.2	39	Overcast day.	
10	29.92	28.97	38.7	40.0	38.0	47.0	2.1	1.5	195	217	84	88	SW	15	NW	13	10	10	1.17	4.2	35	☉ showers.	
11	29.25	29.46	45.2	36.1	36.1	48.0	3.6	1.6	224	183	75	86	NW	10	WNW	6	2	5	0.45	6.7	34	Fine day. ☉ showers.	
12	65	74	45.0	35.7	33.2	50.5	3.0	2.0	233	173	78	83	WSW	4	—	1	8	4	—	5.7	28	Fine day.	
13	84	86	38.7	34.7	29.9	50.9	1.4	1.7	208	168	89	83	—	3	—	1	0	0	—	5.5	24	— a. Fine day.	
14	87	29.81	33.3	40.5	27.6	45.2	0.3	1.0	184	231	97	92	—	1	S	6	10	10	1.53	—	24	Overcast, with ☉.	
15	86	30.00	43.2	38.8	38.8	44.0	0.6	1.0	266	217	95	92	—	2	—	3	10	10	—	—	38	Overcast day.	
16	89	29.79	39.0	40.5	36.9	48.0	0.3	0.5	232	241	98	96	—	0	NW	4	10	10	1.05	3.4	36	Cloudy, with ☉.	
17	80	78	41.2	35.6	33.5	50.0	1.4	1.2	229	180	89	88	WNW	4	—	2	8	0	0.33	4.9	30	Overcast day.	
18	60	71	40.0	41.6	32.3	46.1	1.2	2.4	222	214	90	82	SSE	10	—	1	10	10	0.50	0.4	28	Overcast day.	
19	76	73	39.6	40.0	36.3	46.0	0.6	0.2	231	243	95	98	SSW	2	N	4	10	10	1.00	0.1	33	Overcast, with ☉.	
20	79	74	39.3	36.7	35.9	43.0	2.0	1.7	202	185	84	85	ENE	4	—	1	10	10	—	2.4	33	Overcast day.	
21	66	63	38.4	36.5	28.7	44.0	2.9	3.0	178	162	77	75	—	1	SSE	10	8	3	—	6.4	22	Fine day.	
22	29.63	28.90	42	40.7	41.0	33.7	47.2	2.7	1.0	200	235	79	92	SE	13	SSE	17	3	7	6.80	7.7	30	Fine day.
23	44	02	41.0	43.5	39.3	51.5	0.5	1.7	246	246	96	87	SE	26	S	12	10	4	1.80	2.2	38	Cloudy day.	
24	68	62	46.0	46.0	40.7	55.3	2.0	3.2	205	240	86	78	SW	9	S	10	0	9	100	7.5	39	Fine day.	
25	88	85	45.0	39.6	39.6	47.3	0.3	0.6	292	231	98	95	W	4	—	0	10	8	243	—	38	Overcast, with ☉.	
26	87	82	43.0	42.0	36.5	50.2	2.0	1.7	234	231	84	87	NW	4	NW	4	9	10	0.17	7.7	33	Fine day.	
27	81	83	40.4	40.6	37.5	50.0	0.8	2.8	235	198	94	78	—	2	SSW	6	10	10	—	3.7	33	Cloudy day.	
28	55	65	45.5	37.0	37.0	50.0	2.0	0.3	259	214	86	97	S	18	WNW	4	10	10	4.33	—	37	Overcast, with ☉.	
29	67	51	43.7	47.0	47.5	47.5	2.4	0.3	233	316	81	98	SSW	13	SSW	18	3	10	0.23	3.0	30	Cloudy, with ☉ showers.	
30	26	46	48.0	36.0	36.0	48.0	2.5	2.7	274	163	83	76	SSW	21	SW	13	10	4	1.20	3.7	33	Cloudy, with ☉ showers.	
31	40	04	43.3	38.1	34.8	49.8	3.3	1.2	212	205	76	89	SSW	13	SW	16	3	4	3.73	3.7	32	Cloudy, with ☉.	
	29.37	29.52	41.4	36.6	34.5	47.5	3.0	3.2	201	160	78	73	SW	10	W	10	3	3	0.90	9.1	33	Fine day.	
M.	29.547	29.554	40.9	38.6	34.3	47.4	1.6	1.6	224	205	87	86		7.6	7.2	7.8	7.1	4.019	108	31.0			



## DUBLIN (PHENIX PARK), a.—MARCH 1908.

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.		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.	Min.	Max.	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.	35.6	35.5	33.8	42.8	2.2	1.4	in.	181	80	87	W	6	NW	5	6	7	ins.	hrs.	28	Cloudy day. ▲●	
2	29.48	29.63	35.6	35.5	33.8	42.8	2.2	1.4	in.	181	80	87	NW	6	NW	6	2	10	0.35	3.6	28	Cloudy day.	
3	29.48	29.63	35.6	35.5	33.8	42.8	2.2	1.4	in.	181	80	87	NW	6	NW	6	2	10	0.025	7.3	24	Cloudy day.	
4	29.48	29.63	35.6	35.5	33.8	42.8	2.2	1.4	in.	181	80	87	NW	6	NW	6	2	10	0.15	2.7	28	Cloudy day. *● (sleet) △ *	
5	29.48	29.63	35.6	35.5	33.8	42.8	2.2	1.4	in.	181	80	87	—	2	—	0	4	0	—	1.5	23	*●. Fine, but cloudy.	
6	29.68	33	30.2	41.0	24.6	46.6	2.7	1.3	196	229	79	90	S	9	SSE	12	10	10	345	0.3	20	Overcast, with ●.	
7	28.99	35	47.1	36.6	35.1	42.8	0.5	1.4	211	190	95	88	NNW	17	W	9	10	●	0.95	0.3	31	*● (sleet) 8a.—1p.	
8	29.59	39.2	39.2	42.5	33.4	45.4	1.4	0.7	212	257	88	94	WSW	6	—	1	10	10	0.40	—	28	—	
9	37	28.92	51.9	45.2	40.6	56.3	1.6	1.9	344	258	89	86	SW	17	SW	23	8	9	0.85	2.0	40	Cloudy day.	
10	30.06	42.0	42.5	35.9	46.2	2.9	2.1	209	228	79	84	WSW	15	W	17	4	10	0.35	8.0	32	Cloudy day.		
11	34	54	42.7	37.3	37.3	47.4	2.1	1.0	230	205	84	92	W	14	W	10	7	0	0.30	8.2	32	● 7a.—8a. ▲ 2p.	
12	72	78	39.0	35.6	32.7	47.8	1.0	0.3	218	203	92	98	WSW	6	—	0	6	7	—	5.8	28	Fine, but cloudy.	
13	89	90	38.1	30.8	26.3	49.9	0.8	0.2	213	167	93	97	—	2	—	1	0	0	—	6.8	12	Fine day.	
14	91	29.88	40.9	40.5	25.7	44.8	1.7	0.0	220	252	87	100	—	1	—	1	10	10●	2.60	—	22	● 11a.—10p.	
15	91	30.02	40.0	40.8	38.1	44.5	0.6	0.2	234	250	95	99	SW	7	—	1	10	0.32	0.6	34	● showers a. and p.		
16	95	29.86	39.7	41.0	34.9	51.1	0.0	1.1	244	233	100	91	—	1	W	7	10	10	0.25	4.2	31	≡ n. Cloudy day.	
17	87	86	35.9	33.6	31.4	48.6	0.3	0.4	205	185	97	95	WSW	4	—	1	10	2	0.05	4.2	27	*● (sleet) a. △ p.	
18	76	74	42.5	38.6	26.9	45.0	2.7	0.8	216	219	80	94	—	1	—	2	7	10	0.07	0.3	22	—	
19	82	77	39.1	39.4	34.9	43.4	0.0	0.1	238	240	100	99	—	0	—	0	10	10	0.30	—	30	● showers.	
20	82	78	39.2	30.4	28.4	41.8	3.4	0.4	176	159	75	94	KNE	7	—	2	9	2	0.10	4.3	23	Cloudy, with ●.	
21	72	71	33.7	29.7	23.4	43.5	0.2	0.6	190	149	98	90	—	1	—	1	8	0	—	7.8	18	*● (sleet) a.	
22	29.69	53	44.5	43.0	26.3	48.2	4.1	2.1	209	232	70	83	SE	6	SE	14	3	3	1.20	5.0	21	Fine, but cloudy.	
23	28.97	16	43.5	44.8	40.4	53.9	0.4	1.2	273	269	97	91	SE	18	SW	6	10●	2	0.35	2.4	38	● 3a.—11a.	
24	29.57	72	47.4	47.4	40.6	53.0	2.7	3.9	264	239	82	74	SW	10	S	8	3	10	0.30	6.0	33	● 9p.—11p.	
25	74	90	46.6	40.5	40.3	50.8	0.2	0.0	313	252	99	100	W	6	—	3	10●	10	2.85	—	39	● 7a.—11p.	
26	94	90	43.2	36.9	36.5	50.6	2.5	2.3	226	177	81	81	NNW	7	—	3	3	0	—	9.3	26	Fine and bright.	
27	90	92	39.5	36.4	30.9	52.3	1.9	0.4	205	207	85	96	W	6	—	1	8	3	—	8.5	23	Fine and bright.	
28	81	71	47.3	38.2	35.4	49.3	3.8	0.5	240	220	74	96	S	9	W	6	10	10	2.50	—	29	● 1p.—6p.	
29	43	60	51.3	37.3	35.8	52.3	4.8	3.3	263	163	70	73	SSW	32	SSW	8	9	0	0.60	4.8	29	● 10a.—2p.	
30	55	21	45.7	41.6	34.9	50.9	4.3	2.4	217	214	70	82	SSW	12	WSW	20	7	2	0.70	4.5	30	Cloudy day. △ showers p.	
31	29.50	29.62	42.5	38.7	35.6	48.1	3.9	2.1	195	195	72	84	WSW	15	WSW	6	6	0	—	3.9	31	Cloudy day.	
M.	29.628	29.634	41.2	38.5	32.9	47.6	1.9	1.2	222	213	86	90	8	6	7.1	5.7	2.124	117	27.9				

## BIRR CASTLE, KING'S COUNTY, a.b.—MARCH 1908.

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	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	N	3	NNW	4	10	4	025	3.6	—	Cloudy day. ▲ n.
2	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	NNW	1	NW	1	1	3	003	7.0	—	
3	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	NNW	2	NNW	1	6	6	—	3.7	—	Cloudy day.
4	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	Calm	0	4	4	—	7.0	—	Fine, but cool.
5	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SSW	2	SSE	2	100	100	550	0.8	—	Overcast, with ●.
6	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	NNW	6	WNW	3	10	4	022	3.4	—	● showers.
7	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	W	1	S	1	10	10	012	—	—	Cloudy day.
8	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	WSW	4	WSW	7	10	6	230	—	—	Squally, with ● showers.
9	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	WSW	3	WNW	4	4	9	097	5.2	—	● showers. ▲ n.
10	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	WNW	4	Calm	3	4	1	070	6.9	—	● showers.
11	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	WSW	2	Calm	0	8	10	—	1.3	—	Cloudy day.
12	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	SE	1	3	10	020	7.1	—	
13	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	S	2	SW	2	100	10	150	—	—	Overcast, with ●.
14	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	WNW	3	NNW	2	9	10	—	—	—	Cloudy day.
15	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	W	1	10	0	050	1.8	—	● showers.
16	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	S	2	0	8	093	9.6	—	
17	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	S	2	ESE	3	100	8	028	0.3	—	Cloudy, with ●.
18	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	SE	2	8	10	080	—	—	Overcast, with ●.
19	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	N	2	N	2	10	10	—	3.3	—	Cloudy day.
20	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	SE	3	1	10	005	3.8	—	Cloudy day.
21	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SE	3	SE	5	2	10	205	6.4	—	
22	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SE	1	SW	4	100	10	060	4.5	—	● showers.
23	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SSW	2	SSW	4	4	10	010	4.6	—	Cloudy, with ●.
24	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SW	2	WNW	1	100	10	087	—	—	Overcast, with ●.
25	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	NNW	2	WNW	2	0	0	—	10.4	—	Fine and bright.
26	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	Calm	0	SW	2	0	4	—	8.8	—	
27	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SSW	5	W	3	10	8	420	—	—	Overcast, with ●.
28	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SSW	2	SSW	6	4	10	017	2.1	—	Cloudy day.
29	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SW	6	SW	4	100	100	279	4.0	—	● showers.
30	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	SSW	2	W	6	9	6	396	2.3	—	Squally, with ●.
31	29.54	29.63	35.7	36.6	31.8	43.7	1.4	1.7	184	185	87	W	4	W	3	9	4	033	2.8	—	● showers.
M.	29.614	29.614	40.8	40.1	32.8	47.7	1.7	1.5	223	221	86	88	2.1	2.7	6.6	7.3	2.942	111	—	—	

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MARCH 1908.

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.	Date.	13h.	18h.	21h.	Max. Hourly Run.	Date.	13h.	18h.	21h.	Max. Hourly Run.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	Hour.
2	2, 18	31, 26	31, 31	19	1, 23	4, 12	4, 11	2, 12	1, 23	29, 8	27, 9	7, 21	6, 17	8, 23
3	1, 25	4, 15	1, 27	12	29, 12	28, 14	30, 10	1, 15	29, 2, 17	31, 5	27, 9	28, 5	23, 9	2, 15
4	7, 13	8, 8												



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

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.		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.	Min.	Max.	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.	Min.	Max.			
							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°34	39°0	37°0	33°8	43°6	2°0	2°0	1°99	1°82	84	83	W	26	WNW	7	2	6	ins.	hrs.	10	—	—	▲ showers.	
2	'37	'22	29°34	39°0	37°0	33°8	43°6	2°0	2°0	1°99	1°82	84	83	W	26	WNW	7	2	6	'05	'02	—	—	—	● 11a-3p. Stars scintillating	
3	'15	'36	29°34	39°0	37°0	33°8	43°6	2°0	2°0	1°99	1°82	84	83	W	26	WNW	7	2	6	'18	'14	—	—	—	Few ● showers.	
4	29°52	29°51	39°4	40°0	38°0	43°8	47°1	1°7	1°7	2°28	2°13	87	86	NNW	25	N	14	4	5	'055	'26	—	—	—	● 11a-1p.	
5	30°01	30°15	39°4	40°0	38°0	43°8	47°1	1°7	1°7	2°28	2°13	87	86	NNW	25	N	14	4	5	'35	'18	—	—	—	Bitterly cold a.	
6	'22	'20	30°15	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'41	—	—	—	—	Fine day.
7	'07	'07	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'84	—	—	—	—	Very fine p.
8	29°52	29°52	39°4	40°0	38°0	43°8	47°1	1°7	1°7	2°28	2°13	87	86	NNW	25	N	14	4	5	'14	'18	—	—	—	—	Fine day.
9	'75	'63	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'08	'10	—	—	—	● till noon. Stars scintillating.
10	29°52	29°52	39°4	40°0	38°0	43°8	47°1	1°7	1°7	2°28	2°13	87	86	NNW	25	N	14	4	5	'07	'12	—	—	—	—	Visibility a. ∞ p.
11	'32	'23	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'85	—	—	—	—	Fair p.
12	29°52	29°52	39°4	40°0	38°0	43°8	47°1	1°7	1°7	2°28	2°13	87	86	NNW	25	N	14	4	5	'03	'39	—	—	—	—	Fine a. Visibility p.
13	'11	'23	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'93	—	—	—	—	Very fine. Mackarel sky p. p.
14	'32	'23	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'12	—	—	—	—	Very fine. Visibility.
15	'38	'43	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'13	—	—	—	—	Very fine. Large p.
16	'46	'40	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'58	—	—	—	—	Very fine.
17	'12	'23	30°01	39°4	36°7	35°4	42°8	1°6	1°4	2°10	1°91	87	88	N	29	N	12	7	10	—	'10	'08	—	—	—	● from noon.
18	30°02	29°56	40°1	39°0	36°0	42°0	47°0	2°0	2°3	2°65	2°02	86	81	WNW	28	N	10	3	10	'05	'02	—	—	—	—	▲ showers p.
19	29°56	29°56	39°0	37°0	34°0	42°0	47°0	2°0	2°3	2°65	2°02	86	81	WNW	28	N	10	3	10	'05	'02	—	—	—	—	▲ showers all day.
20	'67	'53	41°8	38°0	36°0	46°8	42°0	2°4	3°8	1°85	1°60	71	69	NW	15	N	27	6	5	'03	'07	—	—	—	—	Very dry a.
21	'56	'54	39°2	33°2	33°0	43°2	44°0	0°0	1°60	1°90	68	100	NW	20	WNW	11	10	10	10	*▲	'18	'32	—	—	—	*▲ showers all evening.
22	'47	'57	35°2	28°3	26°8	37°6	2°6	1°0	1°56	1°26	76	82	N	25	N	19	3	2	2	'06	'71	—	—	—	—	☒. *▲ showers.
23	'50	'59	25°5	27°5	24°8	30°3	0°5	0°5	1°21	1°35	88	90	N	12	W	7	10	10	10	*▲	'27	'50	—	—	—	*▲☒ 3 ins. deep.
24	29°39	'22	31°0	30°7	23°8	36°8	2°0	1°7	1°27	1°31	72	75	NE	15	NNW	18	9	10	10	*▲	'24	'11	—	—	—	*▲☒ 4 ins. deep.
25	28°97	'46	34°6	39°5	30°2	40°0	2°2	3°5	1°58	1°76	78	73	S	40	SSE	34	8	2	2	'67	—	—	—	—	—	☒. 8a.-noon.
26	29°57	'52	42°2	41°3	36°6	42°8	3°0	2°3	2°09	2°13	78	82	ENE	18	ENE	8	10	8	2	'25	—	—	—	—	—	☒. ● noon-4p.
27	'62	'68	45°3	42°1	38°5	49°6	2°3	1°9	2°50	2°28	83	85	E	7	SE	16	8	2	2	—	'12	—	—	—	—	Fine all day.
28	'72	'80	42°1	42°0	40°4	45°6	3°1	1°4	2°06	2°37	77	89	SE	24	SE	16	10	0	0	—	'42	—	—	—	—	Fair a. ☒² p.
29	'89	'97	46°7	41°1	39°2	48°0	2°7	1°1	2°57	2°34	81	91	E	11	E	6	1	1	1	—	'95	—	—	—	—	Very fine all day. ☒² p.
30	29°55	29°50	42°2	43°3	39°2	44°5	1°2	0°5	2°43	2°70	90	96	E	17	ESE	18	10	8	8	'17	—	—	—	—	—	Dull day.
M.	29°782	29°811	41°5	39°4	36°0	44°6	2°2	1°6	2°19	2°11	83	86	17	15	6°6	4°8	2°28	168	—	—	—	—	—	—	—	—

in-gauge, 1 foot.

11 JUN. 1908

Remarks.

▲ showers.  
 ●<sup>1</sup> 11a.-3p. Stars scintillating.  
 Few ●<sup>0</sup> showers.  
 ●<sup>2</sup> 11a.-1p.  
 Bitterly cold *a*.  
 Fine day.  
 Very fine *p*.  
 Fine day.  
 ● till noon. Stars scintillating.  
 Visibility *a*. ∞ ⊕ *p*.  
 Fair *p*.  
 Fine *a*. Visibility *p*.  
 Very fine. Mackerel sky *p* ⊕  
 Very fine. Visibility. ⊕<sup>2</sup> *p*.  
 ●<sup>2</sup>. Very fine. Large ⊕.  
 Very fine.  
 ●<sup>0</sup> from noon.  
 ▲ showers *p*.  
 ▲ showers all day.  
 Very dry *a*.  
 \* ▲ showers all evening.  
 ☒. \* ▲ showers.  
 \* ▲ ☒ 3 ins. deep.  
 \* ▲ ☒ 4 ins. deep.  
 ☒. ↘ 8a.-noon.  
 ⊕. ●<sup>2</sup> noon-4p.  
 Fine all day.  
 Fair *a*. ☒<sup>2</sup> *p*.  
 Very fine all day. ☒<sup>2</sup> *p*.  
 Dull day.

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.

[illegible]

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

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## TILLYPRONIE, ABERDEENSHIRE.—APRIL 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	°
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	°	°	°	°			in.	in.	%	%	†	†					hrs.	°		
2	28.45	28.62	37.5	37.0	29.3	47.1	3.6	2.7	159	170	71	77	NW	6	NW	4	0	9	—	27		
3	43	30	48.3	39.0	36.0	57.5	3.8	2.5	251	190	74	81	SW	4	SW	4	8	7	04	—	35	
4	12	40	38.7	37.3	33.8	42.0	2.4	0.6	189	211	81	95	NW	4	N	4	10	10	37	—	31	
5	55	28.76	37.1	34.3	32.3	40.1	1.1	0.8	199	182	90	92	NW	6	NE	8	10	10	05	—	32	
6	28.94	29.10	36.5	33.0	31.5	39.8	1.6	0.7	186	173	86	92	N	6	N	4	9	8	04	—	30	
7	29.17	21	39.3	34.1	32.3	48.7	3.2	1.3	180	171	76	86	NW	4	SW	2	4	0	—	30		
8	12	29.02	40.8	44.8	27.1	56.8	4.3	2.2	175	248	69	84	SW	4	W	4	7	8	14	—	25	
9	29.00	28.93	44.0	43.3	39.6	48.0	0.8	0.8	270	263	94	94	W	4	W	4	10	10	53	—	38	
10	28.80	83	41.5	34.5	33.0	43.5	0.7	1.5	248	170	94	84	W	4	W	2	10	3	09	—	33	
11	72	65	38.5	37.0	29.3	45.1	2.1	0.8	192	204	83	93	NW	4	S	4	7	9	—	28		
12	28.86	29.02	39.8	33.8	29.5	41.8	1.5	1.3	215	168	88	86	SE	6	S	4	8	4	—	27		
13	28.94	29.04	36.8	36.3	29.3	41.7	1.3	1.1	194	194	90	91	SE	4	SE	4	10	8	07	—	28	
14	23	25	42.1	33.7	29.1	50.0	4.8	0.7	178	180	67	92	N	4	N	6	3	0	—	27		
15	26	36	39.8	38.7	30.5	48.2	2.3	2.7	201	184	82	79	N	4	NE	4	6	3	0	—	28	
16	38	29.37	41.9	38.8	30.8	52.5	4.9	1.5	175	207	66	88	NE	4	N	6	7	6	—	29		
17	29.18	28.96	40.5	39.5	32.9	60.5	0.7	1.1	237	220	94	91	NW	6	NE	8	4	10	16	—	31	
18	28.94	82	35.0	34.3	32.3	43.1	2.1	0.8	170	182	81	92	N	6	N	4	10	9	09	—	32	
19	66	68	34.5	32.0	30.0	42.1	1.3	1.2	174	153	86	84	N	6	N	8	8	10	34	—	30	
20	66	52	35.3	38.0	29.3	48.0	2.3	1.1	162	206	78	90	N	4	NW	4	9	10	08	—	25	
21	53	55	34.6	30.8	29.5	39.9	2.1	0.8	160	152	79	88	N	4	N	2	8	4	04	—	27	
22	50	54	31.0	25.8	25.0	37.5	1.2	0.8	143	123	82	81	N	4	N	4	9	3	10	—	21	
23	51	40	29.7	20.0	18.5	33.7	1.2	0.5	133	09.7	80	83	NW	4	NW	4	3	0	03	—	17	
24	29	22	29.5	24.9	14.4	38.5	0.5	0.9	150	103	91	77	NW	4	NE	2	2	0	01	—	14	
25	13	47	32.8	29.5	21.0	40.8	0.8	1.2	170	133	91	81	S	6	SE	4	4	0	03	—	20	
26	45	40	35.8	35.8	30.2	41.3	1.3	0.7	187	197	89	94	E	6	NE	4	10	10	21	—	30	
27	55	65	38.5	34.5	33.5	47.1	0.9	0.7	215	186	92	93	NE	4	S	6	9	8	01	—	32	
28	65	74	38.0	37.0	31.9	44.0	2.2	1.6	187	194	81	86	SE	8	SE	8	8	9	—	31		
29	80	91	39.3	39.3	35.5	50.3	1.7	2.3	207	196	87	82	SE	6	S	4	7	8	—	34		
30	28.87	28.83	41.2	42.5	37.9	43.7	0.7	1.2	244	246	95	90	SE	4	SE	4	9	10	38	—	36	
M.	28.749	28.784	38.0	35.2	30.2	45.3	2.0	1.3	191	182	83	87	4.9	4.5	7.1	6.4	3.41	—	28.5			

## LAUDALE, ARGYLESIRE, a.—APRIL 1908.

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	29.74	29.78	45.2	43.5	35.7	49.2	3.3	1.8	230	244	76	86	N	4	S	5	4	10	18	—	—
2	29.75	29.79	45.2	43.5	35.7	49.2	3.3	1.4	230	279	97	90	W	5	W	5	5	10	10	—	—
3	29.76	29.80	45.0	42.3	31.0	48.3	0.9	0.3	277	263	93	98	NW	6	W	5	10	10	32	—	—
4	29.95	30.08	43.3	39.2	39.1	44.7	2.1	1.2	235	216	84	90	N	6	N	5	10	3	06	—	—
5	30.22	31	42.2	37.3	36.1	47.3	1.2	1.6	243	192	90	87	N	5	E	2	4	0	—	—	
6	39	41	43.2	37.7	29.9	52.9	4.1	1.0	197	207	71	91	E	2	S	1	0	1	—	—	
7	35	26	40.9	47.9	34.7	49.5	3.0	2.7	253	269	80	81	S	3	S	2	9	10	05	—	
8	17	08	46.8	45.2	43.0	49.9	0.3	0.0	314	301	98	100	S	3	S	1	10	10	32	—	
9	30.07	30.05	44.1	39.9	39.7	48.8	1.6	0.4	254	238	87	97	N	4	N	3	8	2	10	11	—
10	29.90	29.75	43.9	45.3	32.3	48.9	2.4	2.4	236	249	82	82	E	5	W	5	5	10	21	—	
11	29.76	29.91	43.3	44.8	40.0	45.3	0.6	1.6	204	200	95	88	E	4	SE	4	10	10	00	—	
12	30.11	30.14	47.2	44.9	40.0	51.5	3.9	2.9	237	234	74	79	SE	4	SE	4	2	3	—	—	
13	17	33	44.9	43.2	40.3	49.9	1.2	2.3	270	230	92	82	E	5	E	2	8	0	—	—	
14	44	45	49.2	42.8	31.5	53.3	6.3	3.6	213	203	61	73	E	1	NE	1	2	0	—	—	
15	47	49	44.9	45.9	30.3	52.2	2.9	3.4	234	236	79	77	E	4	E	4	6	1	—	—	
16	55	53	52.7	45.5	36.7	58.9	7.0	3.6	235	227	60	74	E	1	E	1	0	0	—	—	
17	52	48	48.1	47.2	33.2	55.2	3.0	0.2	264	33	79	99	N	3	N	4	1	10	05	—	
18	30.18	30.07	43.2	40.5	38.7	51.2	3.3	2.0	211	212	76	84	E	6	N	3	3	7	—	—	
19	29.93	29.95	45.5	40.5	32.9	50.9	3.6	2.7	227	198	74	79	E	5	N	4	8	5	—	—	
20	95	81	42.7	45.1	35.5	49.9	1.9	0.8	234	281	86	93	N	5	NW	5	8	10	—	—	
21	79	77	45.1	39.9	38.0	49.9	4.0	2.8	215	192	72	78	N	5	N	2	8	3	—	—	
22	72	77	41.9	33.7	32.3	44.7	2.9	0.3	208	188	79	96	N	3	E	4	8	10	03	—	
23	74	64	37.5	27.9	26.7	37.5	2.0	0.4	186	140	83	92	NE	4	N	1	10	1	02	—	
24	47	44	38.1	29.9	24.2	43.2	0.2	0.4	225	156	98	94	E	4	NE	1	1	1	—	—	
25	34	45	35.0	36.5	23.9	44.0	1.0	0.0	184	216	90	100	SE	2	SE	1	10	1	05	—	
26	60	59	45.1	41.1	31.2	51.0	5.1	2.2	196	212	65	82	SE	2	S	1	5*	2	—	—	
27	66	63	48.2	45.0	32.1	52.2	4.2	3.5	241	224	72	75	SE	4	S	5	6	3	04	—	
28	65	75	45.0	45.2	41.7	51.3	0.9	4.9	277	201	93	67	E	5	SE	5	10	1	03	—	
29	89	98	48.1	47.2	42.0	53.1	6.0	2.3	207	271	62	84	SE	5	SE	3	8	10	05	—	
30	29.89	29.95	50.9	52.9	45.5	53.3	1.0	0.7	348	381	93	95	S	4	S	2	10	10	16	—	
M.	29.956	29.959	44.9	42.1	35.7	49.7	2.7	1.8	243	235	81	86	3.9	3.0	6.5	5.8	1.82	—	—	—	
Squally, with ● showers. ● showers all day. * 2 showers. Fine day. Fine, but cold. ○○● all day. ∞ all day. Squally and threatening ○○● all day. Fine, but cold. 																					

† Beaufort Scale (0—12).

## DUNDEE, FORFARSHIRE, c.d.—APRIL 1908.

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.		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.	Min.	Max.	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.										†	†			ins.	hrs.	°		
2	29.56	29.68	41.9	42.8	32.7	48.9	4.4	2.8	184	217	70	79	W	4	SW	1	5	10	—	Fine.
3	52	53	44.9	43.9	40.2	52.1	1.0	1.2	275	200	93	91	SW	1	SW	1	10	10	04	Dull. ● showers from 3p.
4	23	43	40.0	43.7	40.0	50.3	3.0	2.9	244	223	79	78	NW	3	NW	3	5	10	01	Cloudy, with ● showers.
5	64	29.79	43.7	39.8	38.0	46.5	2.7	2.5	227	197	79	80	NW	2	N	7	5	10	01	Cloudy. ● 5p.-6p.
6	30.26	30.15	44.2	36.2	35.9	46.7	4.2	2.0	203	177	70	83	N	7	N	1	5	0	—	Dull.
7	26	30.12	43.7	36.2	28.7	50.5	4.2	1.0	200	195	71	91	SW	1	NE	1	0	0	—	Fine.
8	30.05	29.97	45.2	40.3	28.0	53.8	3.0	3.3	207	241	78	77	SW	1	SW	3	5	10	—	Cloudy.
9	29.85	29.85	43.2	41.7	41.0	47.8	0.5	1.1	208	241	96	92	SW	1	NW	1	10	10	33	● from 9a.
10	81	37	43.2	41.7	41.0	47.8	0.5	1.1	208	241	96	92	NE	1	NE	3	10	10	08	● till 3p.
11	29.69	29.84	42.3	39.5	35.9	43.8	1.1	0.8	246	226	92	94	E	1	SE	1	10	10	02	Dull.
12	30.00	30.06	42.0	40.7	34.6	45.5	0.8	0.9	249	235	94	92	SE	3	SE	1	10	10	—	Dull.
13	11	20	44.9	41.0	37.0	47.8	0.4	0.5	289	246	97	96	SE	1	SE	2	5	10	—	Fine.
14	29	43.39	44.0	34.0	51.5	4.0	0.0	211	247	72	100	NE	2	NE	3	10	0	—	—	Cloudy till noon, then clear.
15	30	36	42.0	42.0	36.0	44.2	2.4	0.0	218	267	82	100	NE	4	NE	3	10	10	02	Dull. ● 11a.-1p.
16	33	40.39	46.0	39.0	35.6	53.9	2.4	0.0	257	238	83	100	NE	1	E	1	10	7	—	Dull and cloudy.
17	30.24	29.95	43.6	49.5	30.0	62.9	1.4	1.5	252	315	89	89	SW	1	NE	3	7	10	—	Cloudy. Dull from 4p.
18	29.99	37	41.3	38.2	36.9	50.0	4.3	2.2	178	188	69	82	NE	5	NE	2	10	10	02	Cloudy.
19	70	71	40.8	34.8	34.2	45.7	3.3	0.8	191	186	75	92	NE	5	NE	6	5	10	03	● (sleet) n. Δ* showers.
20	74	57	41.0	43.0	33.4	49.2	3.4	3.2	190	211	74	77	NE	2	NW	3	10	10	—	Cloudy. Dull from 4p.
21	60	60	41.6	38.2	36.7	44.6	4.7	2.2	175	188	67	82	NW	3	NE	1	10	10	—	Dull.
22	56	60	39.3	31.5	31.0	42.4	2.6	1.5	191	142	80	80	NE	2	NE	2	10	5	—	Dull.
23	58	45	36.2	28.9	26.0	40.5	2.7	0.9	165	131	77	84	NW	2	NE	1	10	10	02	Cloudy. Δ* showers from 1p.
24	33	25	30.9	28.8	20.6	41.0	0.4	2.4	164	097	94	60	NE	3	NW	1	10	5	—	Cloudy.
25	24	45	38.0	36.7	22.7	42.9	3.2	2.7	170	168	74	77	SW	1	SE	5	5	10	05	Cloud and sunshine.
26	46	41	36.9	40.0	35.5	45.0	0.7	1.3	205	220	94	90	NE	4	NE	4	10	10	02	Dull. Δ* showers.
27	57	67	44.0	40.0	38.2	49.4	2.6	0.5	232	237	80	96	E	2	SE	4	10	5	—	Cloud and sunshine. ● n.
28	68	72	41.5	41.5	39.2	46.0	1.7	0.8	227	245	87	94	SE	5	SE	5	10	10	—	Dull.
29	86	96	45.7	42.0	39.6	50.0	2.4	0.2	254	263	83	98	SE	3	SE	2	10	10	03	Cloudy.
30	29.90	29.84	43.7	44.8	42.0	45.2	0.4	0.1	276	295	96	100	SE	2	SE	1	10	10	14	● 7a.-3p.
M.	29.814	29.819	42.0	40.0	34.7	47.7	2.3	1.4	222	221	83	88	2.5	2.5	8.1	8.4	0.82	—	—	



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—APRIL 1908.

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

Day.	Barometer at 32° Fah. at Station Level.		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.	Min.	Max.	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.					
2	29.38	29.54	37	42	33	49	1.0	0.5	.200	.256	91	96	NW	4	W	5	3	4	ins.	8.2	29	Fine and dry.	
3	44	28	47	45	40	58	0.0	1.0	.323	.275	100	92	SW	2	SW	7	10	10	0.10	8.0	34	Fine day. ● n.	
4	12	25	46	42	40	51	1.0	0.0	.287	.267	93	100	W	8	W	8	7	7	0.30	4.1	36	Fine day.	
5	41	50	44	40	36	49	1.0	0.0	.265	.247	92	100	NW	7	W	7	8	7	0.43	4.0	34		
6	29.63	29.85	39	39	36	42	0.0	0.0	.238	.238	100	100	N	7	NW	6	10	10	0.20	0.2	33	Dull, with ●.	
7	30.03	30.12	40	37	35	44	1.0	0.0	.226	.220	92	100	W	2	NW	1	4	9	—	—	30	Fine, but cold.	
8	30.12	30.01	45	37	32	49	2.0	0.0	.253	.220	85	100	W	1	SE	1	3	3	—	11.2	26	Fine day.	
9	29.88	29.79	47	47	33	54	1.0	0.0	.298	.323	93	100	NW	2	W	1	10	10	0.40	—	29		
10	73	61	46	42	40	52	0.0	0.0	.311	.267	100	100	NW	1	NE	1	10	10	1.20	—	40	Dull and damp.	
11	62	52	42	38	37	42	1.0	0.5	.245	.223	92	96	NE	1	SE	2	9	10	—	0.2	36	Dull and damp.	
12	50	61	42	37	36	44	1.0	0.0	.245	.220	92	100	SE	2	SE	2	9	9	0.20	3.1	32	Fine and dry.	
13	76	87	42	40	37	44	1.0	1.0	.245	.226	92	92	NE	2	SE	2	10	9	—	—	32	Fine, but cloudy.	
14	29.89	29.95	42	40	34	46	2.0	0.0	.225	.247	85	100	SE	2	SE	2	7	8	0.02	4.7	30	Fine day.	
15	30.02	30.02	42	38	32	47	1.0	1.0	.245	.208	92	91	N	2	NE	3	7	3	1.20	5.5	26	Fine day. ▲ in evening.	
16	29.99	29.99	40	41	37	44	0.0	0.0	.247	.257	100	100	E	1	NE	1	9	4	—	—	30	Fine, but cold.	
17	30.04	29.74	42	44	42	58	0.0	0.5	.253	.245	79	92	NW	1	NE	2	2	8	—	10.2	30	Fine, but cold.	
18	29.76	29.63	41	36	35	45	1.0	0.0	.235	.212	92	100	NE	1	NW	1	10	10	0.65	3.7	38	● in evening.	
19	44	43	40	35	32	42	1.0	0.0	.226	.204	92	100	NE	4	NE	4	9	10	0.75	1.7	34	▲ showers.	
20	50	40	35	41	31	43	0.0	2.0	.204	.215	100	84	NE	3	W	4	5	8	0.25	7.7	32	* ▲ showers.	
21	39	42	40	38	37	43	1.0	0.0	.226	.228	92	100	NW	2	Calm	0	9	9	0.30	4.2	27	*.	
22	33	36	41	32	32	41	1.0	0.0	.235	.182	92	100	W	1	W	2	9	6	0.52	—	30	Dull and cold.	
23	36	26	36	27	27	37	1.0	0.0	.193	.147	91	100	NW	4	SW	1	6	6	0.50	7.4	22	Cold, with *.	
24	07	05	35	29	20	37	0.5	0.5	.194	.145	95	91	NE	1	W	2	8	2	1.00	6.8	15	Cold, with *.	
25	03	22	33	35	23	40	0.5	0.0	.177	.204	94	100	SE	2	NW	1	9	8	1.10	3.8	16	Cold, with *.	
26	14	20	37	38	35	40	0.0	0.0	.220	.228	100	100	N	4	NW	4	10	10	0.24	—	31	Dull, with *.	
27	36	47	43	38	35	48	1.0	1.0	.255	.208	92	91	Calm	0	E	3	8	1	—	8.0	28	Fine, but cold.	
28	46	50	41	40	37	42	0.5	0.0	.251	.247	96	100	SE	5	E	3	9	10	—	—	32	Dull and cold.	
29	64	75	44	42	40	47	1.0	0.0	.265	.267	92	100	SE	3	E	2	9	7	0.30	1.1	36	Fine, but dull.	
30	29.72	29.64	46	50	42	50	0.0	0.0	.311	.361	100	100	SE	2	W	2	10	8	0.40	—	37	Dull, with ●.	
M.	29.59	29.68	41.4	39.1	34.9	45.9	0.8	0.3	.246	.236	94	97	2.6	2.8	8.0	7.5	2.379	105	30.6				

## CRONKBORNE (DOUGLAS), ISLE OF MAN, a.—APRIL 1908.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

1	29.74	29.78	43.0	44.0	38.3	48.6	3.0	0.7	215	272	78	94	W	3	SW	2	10	100	001	1.9	34	Dull day.	
2	29.68	29.56	49.0	45.6	43.4	51.6	1.5	1.9	310	263	90	86	SW	4	W	4	10	2	041	1.2	42	Dull. ● showers from 4p.	
3	29.53	29.69	48.0	42.1	40.2	50.0	3.6	2.6	251	215	75	81	W	6-7	WNW	6	7	4	226	7.1	38	▲ showers.	
4	29.78	29.87	46.3	41.8	40.0	47.8	2.6	3.2	256	202	82	77	NW	6-7	NNW	7	8	1	—	9.5	36	● a. Squally p.	
5	30.00	30.14	46.8	42.0	37.9	49.8	6.0	2.9	197	209	62	79	N	6	NNE	4	2	10	—	8.4	34	Fine day.	
6	29.26	29.33	43.8	38.0	36.7	48.3	4.4	2.3	197	185	69	81	NE	4	WNW	2	1	0	—	12.2	31	Very fine.	
7	29.32	29.23	45.0	35.0	29.9	49.8	3.5	1.1	224	182	75	89	SSE	3	Calm	0	2	10	—	10.8	26	— a. Very fine.	
8	30.11	29.99	47.0	47.0	33.1	53.2	3.0	2.8	253	257	79	80	S	2	SSW	1	10	10	—	—	29	— a.	
9	29.93	29.92	45.0	41.8	41.0	49.1	1.0	1.4	275	236	92	89	NNW	5-6	NW	3-4	10	10	—	4.2	41	● showers till 2p.	
10	29.84	29.70	45.1	44.0	40.8	46.1	2.1	2.1	252	242	84	77	SSW	2	SE	3	7	10	128	7.9	1	Fine day.	
11	29.66	29.77	45.0	44.0	40.8	46.1	2.1	2.1	252	242	84	83	ENE	1	ESE	3	10	10	001	2.1	37	Dull, with ● showers.	
12	29.97	30.03	45.4	40.4	40.4	49.0	3.3	1.5	232	220	77	88	ESE	3	Calm	0	2	4	—	11.2	37	Very fine.	
13	30.06	30.14	42.0	42.0	38.7	47.3	2.8	4.2	211	187	79	71	ESE	4	ENE	3	9	10	—	5.0	29	Fine day.	
14	29.23	29.22	42.0	40.0	37.6	48.4	4.3	2.9	188	191	70	77	ENE	5	NE	4	7	10	002	8.8	31	Fine day.	
15	29.19	29.22	42.7	42.8	37.4	48.6	2.2	1.8	228	236	84	86	NE	5-6	NE	4-5	7	7	—	9.0	29	Fine day.	
16	29.30	29.30	50.8	42.5	41.4	53.4	2.7	3.5	304	202	82	74	ENE	5-6	NE	6-7	0	0	—	11.0	35	Very fine.	
17	29.96	29.96	47.0	44.2	39.4	57.8	4.5	1.8	224	250	70	86	NE	4-5	NNW	6-7	0	8	—	12.3	30	Very fine.	
18	29.99	29.99	43.3	41.0	40.4	48.3	6.0	2.7	168	202	59	79	NNE	5-6	Calm	0	4	8	—	10.8	34	Very fine.	
19	29.74	29.76	46.0	40.0	36.1	48.0	5.9	0.6	192	234	62	95	NNW	5-6	NNE	4-5	8	3	003	6.0	29	— a. ▲ 1p.	
20	29.82	29.75	45.3	42.5	35.1	49.0	2.3	1.5	250	239	83	88	N	5	NNW	2	3	8	030	8.8	30	Fine day. ● n.	
21	29.64	29.65	45.6	41.0	40.4	51.5	3.2	1.8	236	219	78	86	NNW	5-6	NW	4	8	10	—	10.4	36	Fine day.	
22	29.56	29.54	45.3	37.2	34.2	48.7	5.5	0.0	192	222	64	100	NW	5	NE	3	4	10	015	7.0	26	— a. Fine till 2p. * 10p.	
23	29.63	29.47	39.5	33.2	33.2	43.5	2.3	3.8	198	119	82	63	NNE	3	NW	3	7	10	020	11.6	29	Fine day. * 2 10p.	
24	29.30	29.25	36.4	34.1	22.8	39.0	3.2	2.1	157	155	74	78	N	2	NNE	5-6	6	10	057	4.5	13	* a. and p.	
25	29.23	29.38	38.0	33.0	26.7	40.8	2.5	0.9	182	169	79	90	SE	4	N	2	9	8	125	5.0	20	* showers.	
26	29.43	29.52	39.0	36.4	29.6	47.8	0.0	1.1	226	195	95	91	NNW	3	SW	3	10	2	001	6.2	21	▲ a. Fine p.	
27	29.57	29.54	45.8	40.2	36.4	50.0	3.5	1.3	233	283	76	91	ESE	4	ESE	4	2	10	057	8.1	18	Fine till 3p. ● n.	
28	29.50	29.59	43.1	40.5	40.5	47.2	0.7	0.5	263	241	94	96	ESE	6	ESE	6	10	100	702	—	41	Overcast, with ●.	
29	29.79	29.87	43.2	47.8	40.0	50.6	0.2	1.6	275	293	98	88	E	3	E	2	10	100	1018	—	38	Overcast, with ●.	
30	29.78	29.91	47.5	48.0	45.7	50.6	0.0	0.0	329	335	100	100	SE	4	WNW	3	10	100	155	—	42		
M.	29.82	29.83	44.4	41.3	37.0	48.9	2.9	1.9	233	223	79	85	4.2	3.4	6.5	6.2	3.078	202	—				

† Beaufort Scale (0-12.)

## STONYHURST, LANCASHIRE, a.—APRIL 1908.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., -12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.23 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	°		
29	48	58	42.0	41.8	37.1	45.5	2.5	1.5	216	234	82	88	W	12	—	3	7	104	3.8	34	
2	50	36	48.0	45.3	40.8	53.7	0.4	1.2	325	274	97	91	WSW	5	WSW	9	10	1057	0.4	39	
3	27	39	45.2	42.1	41.3	47.4	2.2	2.1	251	224	84	84	W	22	W	18	8	1035	3.2	38	
4	46	53	43.3	41.2	39.3	47.8	3.1	2.2	216	213	77	83	NW	10	NNW	10	9	1018	5.4	37	
5	62	82	41.4	40.5	38.3	46.9	3.1	2.2	199	208	77	82	NNW	13	NNE	7	9	1010	5.3	36	
6	29	30	43.0	39.0	36.2	47.9	4.0	2.3	197	194	71	82	NE	10	—	2	3	—	8.7	32	
7	30	29	43.0	40.0	34.1	54.1	4.0	1.0	197	226	71	92	NNE	4	—	2	0	—	11.8	26	
8	29	38	42.0	42.4	31.0	54.9	2.0	2.7	225	216	85	80	—	2	—	0	1	—	8.5	24	
9	67	62	46.0	42.0	38.8	50.1	3.0	1.0	244	245	79	92	SW	4	W	4	9	1038	—	33	
10	60	49	45.1	42.6	37.8	46.1	3.6	2.4	223	223	74	82	E	4	E	4	9	—	1.8	33	
11	45	56	40.5	41.5	39.7	44.0	1.5	2.3	220	215	88	83	—	2	E	4	10	—	—	37	
12	72	82	43.0	42.2	38.0	50.0	2.9	2.3	217	221	79	83	ENE	7	E	8	10	—	—	36	
13	82	88	42.0	38.8	32.8	47.0	3.8	3.3	193	175	73	75	E	7	NE	4	7	—	—	36	
14	94	94	43.2	35.3	32.9	40.5	4.7	2.8	187	154	67	74	NE	9	NE	4	6	1012	6.5	26	
15	29	39	45.3	42.7	34.3	50.1	4.0	1.7	200	237	72	86	NE	6	ENE	10	10	—	—	26	
16	30	44	48.0	42.0	39.9	53.4	4.8	2.7	228	212	68	80	ENE	12	ENE	11	2	—	12.6	37	
17	29	36	47.0	44.0	38.7	58.1	4.0	1.6	233	232	73	87	NNE	11	SW	4	3	1013	11.1	36	
18	65	60	42.5	39.3	38.9	46.3	3.2	4.0	207	167	70	70	N	12	N	7	8	—	5.6	35	
19	43	43	40.0	36.3	35.0	45.8	5.0	3.3	156	155	63	72	N	12	N	11	8	—	7.8	32	
20	50	48	39.0	40.8	32.8	45.7	4.7	2.1	154	212	65	84	N	12	W	7	9	—	5.4	30	
21	37	41	45.0	40.0	39.1	46.9	3.0	2.6	233	196	78	79	W	7	—	1	9	135	0.8	34	
22	32	28	43.2	35.7	35.3	48.3	2.2	1.5	232	182	83	86	SW	7	E	7	9	1085	3.7	33	
23	33	21	36.3	31.2	30.3	43.9	3.8	2.2	148	125	68	71	N	7	—	3	10	—	5.1	23	
24	10	00	31.0	29.5	24.8	38.1	2.0	2.1	127	109	72	67	WNW	6	NE	5	10	—	0.78	19	
25	01	14	32.4	34.1	27.8	39.9	0.4	1.1	176	175	96	88	S	12	—	3	10	135	0.3	25	
26	11	26	38.0	38.0	33.3	42.7	1.3	1.4	203	201	89	88	N	4	WNW	9	10	1010	1.0	31	
27	35	38	45.8	44.6	32.8	52.1	3.8	4.1	227	210	74	71	—	2	E	11	2	1040	9.4	27	
28	33	39	44.0	37.5	36.3	46.1	2.5	1.0	234	205	81	92	E	12	NE	7	10	1387	—	35	
29	58	69	45.5	50.6	36.4	57.4	1.5	2.6	270	303	89	82	SE	7	—	2	9	1065	1.4	35	
30	29	64	50.3	51.4	46.8	53.4	1.1	0.2	336	375	92	98	S	20	—	0	10	1055	—	44	
M.	29	569	29	581	46.4	40.4	36.0	48.3	2.9	2.1	216	211	78	82	9	6	7.6	6.6	2.583	135	32.1



## SHREWSBURY, SHROPSHIRE.—APRIL 1908.

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 Station Level.		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.	Min.	Max.	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.	°	
2	29.70	29.77	45.2	44.5	37.4	51.9	4.2	1.2	213	266	71	90	NW	1 S	1	7	10	●	01	—	35	● shower 7p.
3	73	62	53.0	48.3	42.9	58.9	3.1	1.8	320	294	79	88	WSW	3	NW	3	10	10	01	—	38	● showers 11a., 5p., and evening
4	56	65	48.9	41.8	41.0	51.0	3.9	1.8	256	227	74	86	W	4	W	2	4	10	05	—	38	● showers 3p.-5p., then ● showers.
5	68	73	43.8	42.0	38.5	50.0	3.5	2.1	213	223	74	84	NW	4	NNW	4	8	10	11	—	36	● showers.
6	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
7	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
8	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
9	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
10	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
11	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
12	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
13	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
14	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
15	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
16	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
17	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
18	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
19	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
20	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
21	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
22	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
23	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
24	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
25	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
26	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
27	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
28	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
29	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
30	29.79	29.96	42.9	41.5	39.4	46.0	3.9	1.6	198	229	72	88	NNW	5	NW	4	10	9	06	—	37	● showers.
M.	29.745	29.746	43.2	41.6	35.2	51.7	3.4	2.1	214	224	76	84	2.8	2.1	7.5	5.6	2.41	—	32.6			

## CAMBRIDGE, a.—APRIL 1908.

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	29.83	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	W	4	0	5	0	—	6.8	28	Fine day.
2	29.84	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	4	10	2	0	—	6.8	29	Cloudy day.
3	29.85	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	5	3	8	9	0.7	8.6	33	Fine day. T▲ afternoon.
4	29.86	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	5	3	10	9	1.0	2.1	33	Cloudy day. T▲ afternoon.
5	29.87	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	● early a. ▲ n.
6	29.88	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Short sunny intervals. ▲
7	29.89	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Bright day.
8	29.90	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Sunny all day.
9	29.91	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	— 2 = 2 a., then sunny.
10	29.92	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Overcast all day.
11	29.93	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Overcast all day.
12	29.94	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Overcast most of day.
13	29.95	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Fine a. Overcast, with op.
14	29.96	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Sunny a., then ●▲U.
15	29.97	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Fine day.
16	29.98	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Sunny all day.
17	29.99	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Fine sunny day.
18	30.00	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Sunny intervals. ▲ showers.
19	30.01	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	* 2 a. Bright intervals.
20	30.02	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	* 2 a. storms. Sunny intervals.
21	30.03	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Overcast all day.
22	30.04	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Fine a. Overcast, with ● p.
23	30.05	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Cloudy day. ● 2 p. ☒ 9p.
24	30.06	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	* early a. Sunny intervals.
25	30.07	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Overcast most of day.
26	30.08	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	* early a. Sunny intervals.
27	30.09	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	— early a. Fine a. ● from 5p.
28	30.10	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	● 8a.-7p.
29	30.11	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	Sunny intervals.
30	30.12	29.96	46.0	41.2	35.9	52.0	5.0	2.2	207	213	67	83	SW	3	3	10	4	1.0	5.0	34	● a.
M.	29.894	29.899	43.3	41.0	35.5	50.9	2.9	1.7	222	225	79	87	3.0	1.7	8.0	5.8	2.28	143	29.5		

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—APRIL 1908.

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 Station Level.		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.	Min.	Max.	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.	%	%	WSW	2	SW	1	10	4	ins.	hrs.			
2	29.75	29.81	44.7	48.7	33.9	51.4	3.0	3.2	231	267	78	78	SW	1	SW	4	10	100 <sup>0</sup>	—	1.1	26	Pleasant day.	
3	79	66	52.2	48.2	45.4	57.2	1.6	0.8	348	317	89	94	SW	1	SW	4	10	100 <sup>0</sup>	—	1.9	42	Pleasant day.	
4	64	71	47.0	43.0	42.1	50.4	2.3	2.6	269	223	83	81	SW	3	SW	4	7	0	0.3	2.7	36	● showers.	
5	72	75	45.2	43.5	39.4	49.4	2.7	3.0	241	219	80	78	NW	3	NW	1	9	10	0.6	6.3	37	● showers.	
6	29.77	29.92	43.1	40.7	39.5	46.4	2.6	1.0	224	232	81	92	NW	3	NW	3	10	3	0.4	1.5	37	Dull. ● 6p.-Sp.	
7	30.08	30.19	43.7	41.2	39.5	47.0	2.5	1.2	231	233	81	90	N	3	NW	1	10	6	—	3.1	33	Dull a. Pleasant day.	
8	23	30.15	43.0	43.7	38.5	53.8	2.5	2.7	225	227	81	80	NNE	2	N	2	8	0	—	8.4	30	Bright day.	
9	30.07	29.94	42.7	40.7	29.4	58.8	2.7	2.0	218	214	79	84	N	2	Calm	0	0	10	—	10.5	20	Very bright day.	
10	29.88	80	44.5	44.2	32.9	60.7	2.9	1.2	231	263	78	90	Calm	0	N	1	0	10	—	9.3	25	Bright day.	
11	88	68	42.4	42.5	38.7	50.2	1.3	0.5	242	261	89	96	SW	1	SW	2	6	10	—	1.4	36	Bright a. Pleasant day.	
12	61	66	45.7	44.0	41.8	47.4	1.2	1.3	278	258	91	89	S	2	SE	1	10	10	—	—	40	Dull.	
13	84	94	42.7	45.7	40.6	48.4	1.0	1.2	252	279	92	91	NW	3	NW	2	10	10	—	—	34	Dull.	
14	29.97	29.97	44.5	40.5	33.6	48.4	3.5	1.8	219	215	75	86	E	2	NE	1	4	10	—	7.5	25	Bright.	
15	30.03	30.02	42.9	39.7	31.8	48.7	3.4	2.4	207	197	75	81	NE	2	N	2	9	4	—	4.3	30	Dull a. Pleasant day.	
16	04	00	41.4	48.7	32.7	52.5	2.4	4.2	212	246	81	72	NE	1	NE	1	10	10	—	4.7	27	Dull a. Pleasant day.	
17	07	30.11	52.2	41.7	40.4	58.4	5.1	3.0	268	204	68	77	E	3	NE	4	2	2	—	11.5	38	Bright.	
18	29.08	29.87	43.7	44.7	39.4	52.6	3.8	4.0	207	213	73	72	NE	4	Calm	0	10	0	—	6.3	34	Dull a. Very pleasant day.	
19	29.78	75	44.7	40.2	35.5	50.2	6.0	4.2	179	171	60	68	NE	3	NW	3	8	0	—	7.2	30	Dull a. Very pleasant.	
20	59	56	42.7	36.5	34.1	46.5	7.1	1.6	147	185	54	86	NW	4	NW	2	8	0	10	5.4	32	Bright a. ● 4p.-6p. * 2 p.	
21	65	72	40.7	36.9	31.6	45.0	5.1	1.7	160	186	03	85	NW	4	NW	1	7	0	0.1	10.7	28	Bright day. * 0 2p.	
22	62	58	45.7	43.8	30.4	49.9	4.0	1.8	221	246	72	86	NW	3	Calm	0	10	10	0.5	0.1	25	Dull day.	
23	51	45	44.7	41.7	33.1	49.4	2.0	2.0	251	222	84	84	S	1	NW	3	10	10	0.2	0.4	27	Dull, with ●.	
24	45	35	37.7	32.7	31.8	41.7	0.0	1.1	226	162	100	86	E	1	NNW	1	10	10	10	28	—	27	Dull, with ● a. * from 4p.
25	26	20	31.7	32.7	28.1	40.4	0.6	0.3	165	179	91	96	WSW	1	S	3	10	10	10	17	5.2	26	Dull, with * a. Bright later
26	23	27	33.7	34.7	30.8	35.4	2.1	2.0	152	162	77	81	NE	2	SW	1	10	10	7	0.1	—	30	Pleasant evening.
27	36	49	42.7	41.7	32.3	52.4	5.4	2.5	172	213	62	80	W	2	SE	1	0	0	—	10.3	28	Very fine day.	
28	54	53	45.7	44.9	35.0	46.9	4.0	0.4	221	288	72	97	SE	6	NE	2	10	10	0.2	28	0.5	28	Dull day. ● from 6p.
29	39	50	47.1	40.9	44.6	49.4	0.6	0.4	308	311	95	97	NE	2	NE	2	9	10	10	35	6.8	43	Dull a. Pleasant day.
30	77	91	50.7	53.2	45.1	61.4	2.1	2.6	316	335	85	82	NE	2	NE	2	9	10	10	35	6.8	43	Dull a. Pleasant day.
31	29.91	29.95	51.7	58.7	49.6	60.3	1.3	2.4	349	419	91	85	SE	3	Calm	0	100 <sup>0</sup>	9	0.1	—	—	48	—
M.	29.750	29.748	44.0	42.9	36.7	50.4	2.8	2.0	232	238	79	85	2.4	1.8	7.9	6.5	2.00	129	32.1				



## SOUTHAMPTON, HAMPSHIRE, a.—APRIL 1908.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 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.		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.	Min.	Max.	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.	45.2	48.0	37.3	52.7	2.8	2.2	239	281	80	85	NW	2	SW	1	6	10	ins	hrs.		
2	29.92	29.99	45.2	48.0	37.3	52.7	2.8	2.2	239	281	80	85	NW	2	SW	1	6	10	—	3.8	32	Dull at times. Δ p.
3	29.99	29.99	45.2	49.1	47.0	58.2	2.0	1.5	337	311	86	89	W	2	SW	1	8	10	0.38	0.9	46	Dull day. ● 10p.
4	29.99	29.99	50.5	45.0	41.7	55.0	4.6	4.3	258	209	70	70	W	3	SW	1	7	10	—	0.9	37	Fine day.
5	29.99	29.99	48.1	42.0	41.0	51.8	4.2	3.1	240	205	71	77	NW	3	NW	2	5	0	0.44	5.9	35	Fine a. ● showers. T 3p. Δ p.
6	29.87	29.98	45.6	39.1	38.8	51.3	4.1	1.0	220	219	72	92	NW	3	N	3	8	2	1.47	5.6	33	Fine a. ● showers 3p.—8p. Δ p.
7	30.18	30.29	43.1	42.9	38.5	51.0	2.9	2.6	218	222	78	81	NE	3	NE	3	9	10	0.30	5.7	35	Cloudy day. Bright intervals
8	29.28	30.20	46.9	43.2	37.7	56.2	5.2	3.3	211	211	66	76	NE	5	NE	5	2	0	—	12.4	33	Fine, with cool breeze.
9	30.02	29.90	47.2	46.0	33.6	60.7	4.8	3.9	220	227	68	74	NE	3	NE	2	1	0.00	—	12.4	28	Fine day. ∞ p.
10	29.84	29.90	50.0	51.1	32.9	62.3	4.8	3.0	249	300	69	80	NW	1	NW	1	0.00	10	—	10.6	27	∞ a. Fine day.
11	29.84	29.90	49.0	46.9	39.9	52.7	4.3	2.9	253	254	72	80	NE	3	NE	1	8	10	—	4.9	35	Cloudy day.
12	29.75	29.79	47.0	45.0	43.0	52.9	2.8	2.0	257	253	80	85	SE	2	NE	4	10	10	—	1.2	38	Cloudy day.
13	29.93	30.04	46.0	47.3	41.3	52.9	2.9	2.1	246	276	80	85	NE	3	NE	1	10	10	—	0.6	37	Overcast day.
14	30.09	30.09	48.4	43.8	34.6	53.0	5.4	3.7	221	209	65	73	NE	3	NE	3	1	10	—	7.4	29	Fine day.
15	29.12	29.12	44.6	43.9	34.6	50.1	4.4	4.0	204	205	69	72	NE	5	NE	3	10	10	—	—	29	Overcast day.
16	29.13	29.05	40.7	45.9	34.3	54.5	2.7	2.7	200	249	79	81	NE	4	NE	5	10	5	—	5.9	29	Fine day.
17	29.10	29.13	54.1	46.1	44.7	64.7	5.5	5.9	279	191	67	61	NE	5	NE	4	2	0	—	11.5	40	Fine day.
18	29.14	29.99	52.1	45.2	37.9	61.1	7.0	3.9	228	219	59	73	NE	4	NE	3	0	1	—	12.0	34	Fine and bright.
19	29.85	29.83	47.2	40.9	37.6	53.3	4.2	4.3	231	175	72	68	NE	5	NE	4	10	0	—	7.2	31	Fine day. Cold wind.
20	29.71	29.66	45.1	36.4	34.2	50.5	7.2	1.2	163	193	54	90	NE	4	NW	4	8	0	0.15	8.2	29	Fine day. * 5p.—7p.
21	29.72	29.86	43.9	36.9	32.3	45.8	6.3	1.7	167	187	58	86	NE	5	NE	3	7	0	—	10.4	28	Fine day. * noon and 4p.
22	29.79	29.76	43.0	45.5	32.3	51.5	2.9	3.1	217	237	79	78	NW	4	NW	3	10	10	—	0.6	26	Dull, with cold wind.
23	29.69	29.58	52.0	45.7	41.2	55.3	6.7	1.7	233	268	61	88	SW	3	SW	3	7	10	—	5.1	38	Fine day.
24	29.58	29.44	47.3	34.6	34.4	47.6	5.0	0.6	218	189	67	94	SE	4	NE	5	10	10 ●	1.80	0.6	32	● 11a.—9p. * till midnight.
25	29.40	29.44	39.9	35.7	30.5	45.7	3.5	2.6	180	161	73	77	NNW	4	N	4	7	0	1.20	11.7	28	* till 4a. and noon—5p.
26	29.23	29.44	31.6	35.3	31.0	38.8	0.3	1.3	171	181	96	88	N	4	NW	2	10 ●	10	5.30	—	31	* 0 till 5a. * 2 till 9a. * p.
27	29.67	29.66	45.4	40.1	32.3	47.9	5.1	1.8	199	212	66	85	NW	2	SW	2	1	8	0.70	9.5	26	☒. Fine day.
28	29.69	29.69	49.3	47.3	36.9	48.5	1.0	0.3	255	319	92	98	SE	3	SE	4	10	10 ●	3.00	—	34	☒. Dull day.
29	29.54	29.66	49.3	50.1	47.1	55.2	0.9	1.1	328	333	94	92	SE	5	SW	2	10 ●	10	3.90	3.7	45	● from 7.30a. ● showers p.
30	29.94	30.09	57.5	51.2	45.8	61.0	5.5	1.9	322	328	68	87	NW	3	SW	2	3	10	2.10	9.8	42	Fine day.
31	30.12	30.13	50.5	54.2	49.2	61.0	0.7	2.3	350	355	95	84	SE	3	SW	2	10 ●	10	0.26	—	47	● till 10a. Dull day.
M.	29.872	29.878	46.9	44.1	38.1	53.4	4.0	2.5	237	239	74	82	—	3.4	2.8	6.7	6.2	3.190	178	33.8		

## PLYMOUTH, DEVONSHIRE, a.—APRIL 1908.

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	29.90	29.97	46.8	50.0	43.2	50.1	2.8	1.0	255	334	80	93	W	+	NW	+	10	10	03	—	34	Overcast, with ● showers.	
2	29.97	29.97	46.8	50.0	43.2	50.1	2.8	1.5	350	325	97	91	W	+	N	13	10	7	02	0.2	44	Dull day. ● p.	
3	29.90	29.97	46.8	45.9	43.5	51.1	4.0	4.5	254	216	73	69	W	25	N	23	8	0	02	7.8	38	Fine day.	
4	29.96	29.94	46.0	44.6	41.0	49.2	5.1	4.6	205	200	66	68	NW	24	N	25	7	0	03	8.8	36	Fine day. ● shower afternoon.	
5	29.95	30.04	44.5	44.9	40.1	49.2	5.8	3.9	180	215	61	72	N	25	N	14	6	7	—	9.1	35	Fine day.	
6	30.16	29.97	44.0	44.0	39.0	51.0	5.5	4.1	241	203	95	70	N	15	NE	14	5	0	—	8.1	33	Fine day.	
7	29.97	29.97	43.8	45.0	36.3	57.0	4.9	4.0	188	214	65	72	N	14	N	12	0	0	—	11.8	29	—●. Very fine day.	
8	30.14	30.08	51.6	51.2	39.2	57.4	7.8	5.1	211	255	55	68	N	11	S	4	0	0	—	11.1	31	—●. Very fine day.	
9	29.99	29.92	46.9	49.0	32.9	58.0	2.8	2.1	256	296	81	85	N	9	NNW	7	4	8	—	11.4	28	—●. Very fine day.	
10	29.99	29.99	45.9	47.0	39.8	55.0	4.0	2.1	225	273	72	85	NW	10	SW	6	3	10	34	11.0	33	Very fine day. ● n.	
11	29.97	29.75	44.7	44.5	40.0	49.0	3.0	2.6	231	237	78	80	N	15	—	3	7	02	2.3	39	● showers.		
12	29.92	30.02	48.0	47.0	43.9	52.7	4.5	3.7	234	239	70	75	N	5	—	3	9	10	04	3.0	38	Cloudy day.	
13	30.02	30.02	42.8	42.1	47.2	2.2	2.7	232	219	83	80	E	12	—	0	10	9	01	0.2	36	Dull and damp.		
14	29.98	29.97	45.0	46.2	37.2	47.3	6.5	7.1	174	174	58	56	E	10	NE	7	6	2	—	1.9	37	Cloudy day.	
15	30.08	30.02	43.0	46.2	38.9	48.1	4.9	5.0	183	209	66	67	NE	19	NNE	11	6	8	—	4.7	31	Cold and dry.	
16	29.97	30.04	53.7	48.0	40.3	63.1	6.4	6.9	257	191	62	58	NE	23	E	22	6	0	—	11.7	38	Fine day.	
17	29.92	29.95	50.1	48.7	41.7	57.8	7.2	6.1	205	213	58	61	E	24	ENE	19	4	0	—	10.0	38	Very fine day.	
18	29.81	29.82	52.9	45.0	40.0	53.8	5.9	6.9	258	168	64	56	E	10	NNE	9	6	0	—	8.8	30	—●. Fine day.	
19	29.97	29.97	45.0	45.9	36.9	46.7	6.0	1.7	181	271	60	89	NNW	10	NNW	13	8	0	—	4.3	28	Cloudy, with fine intervals.	
20	29.97	29.97	46.5	40.0	33.9	48.1	8.3	4.8	150	159	48	64	N	19	N	10	4	0	01	11.4	27	—●. Fine day.	
21	29.97	29.97	46.2	46.7	35.2	50.2	4.7	3.3	214	244	69	78	NW	10	—	1	10	7	04	0.9	26	—●. Cloudy, with ● showers.	
22	29.97	29.97	46.3	44.0	42.1	52.1	2.2	2.8	284	228	85	78	SW	13	—	2	9	0	13	2.4	36	Cloudy, with ● showers.	
23	29.97	29.97	46.9	42.7	37.6	49.0	3.7	1.5	238	241	75	88	—	2	N	17	10	10	25	0.6	32	—● showers.	
24	29.97	29.97	43.8	35.0	32.5	30.0	3.1	0.6	147	173	71	94	NW	15	SW	14	7	7	07	5.8	28	—●. Very cold. *▲ showers.	
25	29.97	29.97	49.0	38.0	38.0	29.5	46.2	4.3	153	199	66	87	N	18	W	9	7	0	08	8.6	26	—●. * early a. ▲ shower 6p.	
26	29.97	29.97	45.8	47.0	47.6	37.3	49.4	5.2	4.3	211	234	66	71	SW	11	S	10	7	10	1.9	31	—● showers. Fine afternoon.	
27	29.97	29.97	45.2	49.0	52.3	44.3	54.0	0.1	0.9	345	368	99	94	SE	10	SE	22	10	02	0.3	41	Dull, with —●.	
28	29.97	29.97	46.4	49.1	50.5	47.5	55.2	0.4	0.4	339	355	97	96	N	10	SW	12	9	10	08	4.8	48	Fine a., then ●.
29	29.86	29.96	50.6	53.0	46.5	54.6	0.8	0.8	349	380	95	94	SW	8	SE	23	10	10	76	0.1	39	Dull day. —●. ● n.	
30	29.90	30.07	51.7	53.1	51.4	55.1	1.4	1.9	347	351	90	86	SE	9	—	0	10	10	—	—	—	49	Dull day.
M.	29.847	29.864	46.6	46.2	40.0	51.8	4.0	3.3	237	246	74	78	—	—	—	6.9	5.1	3.04	168	34.6			



## DUBLIN (PHOENIX PARK), a.—APRIL 1908.

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 Station Level.		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.	Min.	Max.	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.	%	%							ins.	hrs.		*			
2	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
3	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
4	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
5	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
6	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
7	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
8	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
9	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
10	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
11	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
12	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
13	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
14	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
15	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
16	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
17	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
18	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
19	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
20	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
21	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
22	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
23	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
24	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
25	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
26	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
27	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
28	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
29	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
30	29.77	29.79	43.1	50.6	35.4	51.7	1.8	1.9	239	321	85	87	SW	6	WSW	9	10	9	0.18	—	30	Overcast day.	
M.	29.814	29.816	44.6	40.9	34.5	50.3	2.5	1.2	244	236	82	90	8	5	7.9	5.4	2.256	155	29.5				

## BIRR CASTLE, KING'S COUNTY, a.b.—APRIL 1908.

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.

1	29.74	29.76	43.7	51.1	36.8	54.5	0.7	0.8	269	355	94	94	SSW	2	SSW	2	10●	10●	018	0.1	—	● showers.
2	74	76	43.7	51.1	36.8	54.5	0.7	1.6	328	249	76	87	SW	4	WSW	4	6	6	178	5.0	—	● showers.
3	73	73	44.7	47.7	40.8	48.7	2.0	1.9	251	234	86	86	WSW	4	NW	4	10●	10●	030	4.8	—	● showers.
4	29.94	30.04	44.7	38.7	37.7	49.5	2.6	1.5	238	206	81	88	WNW	3	NNW	2	9	4	030	9.8	—	● showers.
5	30.12	15	42.7	36.0	31.7	46.8	4.7	1.5	184	184	67	87	NW	3	NNW	2	3	9	—	8.8	—	
6	22	24	41.7	39.6	27.2	52.7	2.2	1.7	219	210	84	86	Calm	0	Calm	0	2	2	—	8.8	—	Fine and sunny.
7	27	30.16	45.3	40.3	28.8	50.7	2.6	2.4	245	260	81	83	Calm	0	Calm	0	2	10□	—	9.6	—	Fine, sunny, and warm.
8	30.05	29.93	50.0	53.3	43.2	58.8	2.2	1.4	304	367	85	90	Calm	0	Calm	0	10	10●	050	0.3	—	Overcast, with ● showers.
9	29.94	92	45.6	39.6	37.8	53.7	0.9	1.7	286	210	94	86	NNW	3	WNW	2	10●	2□	020	4.4	—	● showers.
10	75	64	45.5	41.9	32.8	51.7	1.6	1.0	268	246	88	93	SW	1	WSW	1	10	10	078	0.7	—	Gloomy and overcast.
11	62	72	45.3	42.5	34.6	48.4	1.4	0.1	270	270	89	99	SW	2	Calm	0	8	6	176	2.1	—	● showers. ▲ <sup>2</sup> ● <sup>2</sup> 1p.
12	86	29.90	40.5	49.5	31.1	55.7	1.8	0.5	279	292	88	53	Calm	0	SW	2	1	10	041	7.6	—	Fine and mild.
13	29.90	30.04	46.7	44.7	43.1	49.5	1.8	0.5	277	284	87	96	S	2	S	2	10●	10●	176	—	—	Overcast, with ●
14	30.16	17	44.6	37.6	36.8	46.4	3.6	2.7	218	175	74	78	E	2	E	2	3	0	003	8.6	—	● <sup>0</sup> showers.
15	18	15	40.7	38.7	28.3	47.7	1.8	0.7	217	221	86	94	SW	3	NNE	2	8	8	—	4.7	—	● showers. ▲ 2p.
16	18	22	50.3	43.6	37.0	51.7	4.1	1.9	266	243	73	86	ENE	6	NE	1	4	2	—	11.8	—	Fine and sunny.
17	30.18	30.02	47.6	47.7	36.8	58.3	2.7	1.9	267	285	81	87	E	4	NE	2	3	8	—	11.0	—	Fine and sunny.
18	29.92	29.88	46.9	39.6	38.6	51.6	2.2	1.7	269	210	85	86	ENE	3	ENE	2	10	7	—	8.7	—	
19	79	79	41.7	40.7	35.8	50.7	3.7	2.6	192	202	73	80	N	3	NNE	3	10	2	—	4.8	—	Cloudy day.
20	84	81	44.1	44.5	33.1	49.6	4.5	2.5	197	238	68	81	NNW	3	NW	2	10	10	015	2.5	—	Cloudy day.
21	69	64	47.1	45.7	40.8	52.5	2.6	1.7	232	268	82	88	W	2	W	1	10	10	011	2.0	—	● showers.
22	55	54	43.7	39.7	36.7	50.8	1.7	0.8	247	202	86	93	SW	1	NW	1	10	10●	040	1.7	—	Overcast, with ●.
23	62	53	39.5	33.7	28.8	44.7	3.6	1.7	175	159	72	82	N	3	N	4	6	10	050	9.7	—	▲ showers.
24	35	30	34.8	30.7	21.8	43.7	0.9	0.8	184	151	92	88	N	3	NE	1	9	4	020	4.8	—	* showers. ☒
25	22	34	40.5	33.6	22.2	45.2	3.2	1.7	180	158	75	83	WNW	4	SE	2	6	3	022	9.7	—	* showers.
26	41	40	43.1	42.7	23.7	50.7	4.1	0.1	196	272	70	99	S	1	SE	2	1	10	—	9.2	—	
27	32	17	46.8	51.5	36.8	51.7	2.0	1.3	273	346	86	90	SSE	4	SSE	5	10	10●	307	0.1	—	Overcast, with ●.
28	26	41	52.7	43.6	42.1	53.7	2.7	1.5	326	250	82	88	S	1	S	1	6	4	018	7.2	—	
29	59	60	51.1	49.7	40.8	53.7	1.1	1.7	347	313	92	88	S	2	SE	2	10●	10●	458	—	—	Overcast, with ●.
30	29.64	29.82	56.5	54.8	48.0	60.7	0.6	0.8	439	406	96	94	S	1	SW	2	10	7	002	—	—	Overcast, with ● <sup>0</sup> showers.
M.	29.789	29.791	45.6	42.8	35.2	51.5	2.4	1.5	256	249	82	88	2.3	1.9	7.2	7.1	1.743	159	—			

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—APRIL 1908.

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	26, 35	26, 23	26, 35	13		26, 14	28, 17	24, 10	24, 9	27, 19	10	26, 17	28, 10	— 2	31, 4	26, 17	9, 10
2	17, 9	23, 12	14, 21	7		19, 11	20, 18	20, 14	22, 10	21, 22	16	21, 6	21, 10	21, 7	21, 9	22, 12	24
3	31, 7	29, 9	29, 18	23, 24		25, 20	23, 18	27, 18	26, 12	25, 27, 20	9, 17	23, 18	23, 15	25, 15	24, 17	24, 23	23
4	32, 28	30, 32	31, 34	15, 21		30, 15	31, 16	30, 14	31, 18	31, 24	24	25, 13	30, 11	28, 6	25, 7	24, 14	2, 7
5	32, 26	31, 18	32, 34	1		32, 29	1, 26	1, 17	2, 15	32, 29	9	1, 12	1, 16	2, 16	2, 18	3, 20	22
6	15, 7	15, 12	16, 16	23		1, 12	3, 8	1, 9	3, 4	32, 16	2-4	1, 19	2, 23	3, 20	2, 21	2, 4	23
7	17, 13	16, 7	16, 21	11		4, 4	11, 11	14, 11	18, 4	12, 15	15	1, 23	2, 23	3, 20	2, 19	2, 23	13, 20, 22
8	6, 4	2, 4	22, 10	1, 2		23, 5	28, 6	— 2	— 2	22, 27, 7	3, 6, 7, 12	3, 13	3, 12	3, 11	3, 8	4, 18	1
9	—	2, 7	27, 9	18		24, 4	27, 9	30, 10	31, 17	31, 17	21, 22	2, 4	6, 6	— 2	3, 2	4, 6	7, 8, 13, 14, 24
10	15, 13	13, 19	13, 21	20		1, 4	8, 7	13, 11	13, 11	13, 13	19	27, 8	4, 15	3, 10	3, 4	4, 15	12, 13
11	12, 21	12, 18	13, 23	10		12, 12	11, 18	11, 12	10, 12	11, 18	13	8, 10	5, 10	4, 16	6, 17	6, 17	17, 21
12	13, 22	13, 23	13, 23	21		3, 4	9, 15	11, 9	9, 10	9, 15	13	5, 17	5, 23	3, 18	6, 25	6, 25	21
13	12, 15	10, 5	14, 22	1, 2		9, 9	8, 12	7, 12	7, 14	8, 15	14	5, 15	5, 12	4, 18	4, 19	4, 23	23, 24
14	5, 10	5, 7	5, 11	14-16		4, 11	3, 9	4, 10	5, 10	4, 18	19	4, 26	3, 20	2, 23	2, 20	4, 26	9
15	6, 12	5, 7	4, 15	10		6, 16	6, 15	5, 12	4, 7	5, 21	4	5, 14	2, 16	1, 15	5, 29	5, 30	23
16	32, 11	30, 11	31, 12	10		1, 10	2, 11	1, 12	4, 9	1, 15	14	4, 32	4, 25	3, 20	3, 26	4, 34	7, 8
17	26, 24	1, 26	26, 29	10		1, 10	3, 6	— 2	2, 6	32, 20	24	1, 18	32, 18	30, 11	29, 7	3, 18	1
18	31, 20	30, 23	30, 24	20		2, 12	32, 21	32, 21	30, 17	32, 23	17	31, 19	32, 19	31, 17	31, 15	31, 22	11
19	32, 34	1, 29	32, 34	13		32, 17	32, 26	32, 21	1, 18	32, 26	13	29, 14	32, 12	31, 14	30, 12	31, 17	12
20	25, 23	30, 28	30, 28	18, 20		32, 14	32, 18	23, 4	25, 9	1, 23	3	2, 23	1, 18	30, 8	27, 6	2, 23	9
21	28, 21	27, 10	31, 23	1		31, 10	1, 13	32, 4	25, 4	32, 15	8	27, 9	29, 8	28, 5	27, 4	26, 14	7
22	31, 23	31, 23	31, 26	15		2, 6	2, 8	3, 8	3, 8	1, 14	23	16, 7	14, 13	17, 5	19, 4	15, 14	14
23	32, 15	— 2	30, 23	4		32, 12	5, 8	12, 6	22, 4	32, 13	2, 8	32, 10	5, 12	7, 21	4, 25	4, 28	22
24	2, 11	32, 10	1, 21	23		32, 7	32, 12	32, 12	29, 7	1, 15	15	27, 15	20, 15	24, 9	18, 7	2, 25	1
25	14, 38	13, 33	14, 43	10, 11		17, 14	17, 23	12, 7	10, 18	17, 25	14	13, 24	11, 26	9, 25	12, 29	10, 32	23
26	8, 23	2, 8	8, 23	15		5, 13	2, 15	28, 12	28, 9	8, 23	2	21, 15	22, 15	24, 15	24, 12	22, 18	11
27	5, 12	8, 8	12, 20	24		1, 4	7, 7	9, 18	11, 16	11, 21	23	24, 7	4, 9	5, 8	6, 10	8, 15	24
28	12, 24	11, 21	12, 26	10		12, 23	11, 26	10, 19	10, 18	11, 26	13	9, 22	8, 26	8, 24	9, 10	8, 26	13
29	8, 13	8, 7	8, 13	12, 13		9, 10	9, 12	11, 14	12	11, 13	16, 17	2, 4	2, 4	— 3	— 2	5, 12	5
30	9, 21	10, 17	9, 21	13		14, 11	12, 11	12, 11	14, 12	11, 13	16, 17	15, 10	15, 12	16, 12	18, 8	15, 15	15, 16



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

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.		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.	Min.	Max.	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.																						
2	29.93	30.00	44.0	44.0	43.2	42.0	44.8	0.2	0.2	283	275	98	98	ESE	16	E	15	100	100	155	—	3 a. • most of day.	
3	30.07	30.07	40.2	40.2	39.2	38.3	44.0	1.4	3.2	220	179	89	75	ESE	13	E	10	100	8	02	0.1	• a.	
4	29.99	29.83	40.4	40.4	39.7	35.8	42.8	3.4	0.9	185	202	74	92	ESE	10	E	14	100	205	0.5	—	from 3p.	
5	30.04	29.46	39.6	39.6	37.0	36.0	42.8	1.6	2.5	211	196	87	80	ESE	16	E	15	10	10	16	—	Dull and cold.	
6	30.27	30.17	41.4	42.2	37.5	43.6	43.6	1.3	0.2	233	268	90	98	E	16	E	13	10	10	05	—	≡ after 4p.	
7	30.08	30.13	44.2	43.3	41.5	40.5	40.5	0.2	0.2	255	275	98	99	E	15	SE	11	100	10	09	—	• a. ≡ all day.	
8	30.28	30.38	46.5	44.1	42.0	52.1	3.5	3.6	238	214	76	73	W	15	SW	11	4	5	—	—	—	Fine day.	
9	30.35	30.52	45.0	45.0	41.0	55.1	3.0	2.8	289	237	80	79	S	10	E	17	2	9	34	11.5	—	Very fine all day.	
10	30.27	30.46	45.0	46.5	42.5	53.0	0.2	1.7	294	277	88	88	ESE	7	—	2	10	6	16	3.4	—	≡ a.	
11	30.40	30.50	45.1	44.0	43.0	50.8	0.3	1.0	293	265	97	92	SSE	7	SSE	4	100	1	10	7.3	—	• 8 a. - 10 a., then fine. • 3	
12	30.61	30.68	50.0	43.0	41.8	50.0	2.0	0.2	309	273	86	98	ESE	10	E	14	3	10	10	4.7	—	Very fine a. ≡ from 10 a.	
13	30.67	30.67	44.4	43.0	41.2	45.8	0.2	1.0	288	255	99	92	E	16	E	14	100	10	09	—	—	≡ till 5p. • n.	
14	30.58	30.50	43.0	42.2	40.5	44.6	2.2	3.2	230	205	83	77	NE	7	—	3	10	10	—	1.3	—	—	
15	30.50	30.55	44.0	45.0	40.2	49.0	3.0	1.2	224	271	77	91	ESE	7	SE	17	10	3	—	5.8	—	Fine day.	
16	30.57	30.66	45.2	43.5	42.8	47.8	1.1	1.3	275	253	92	90	ESE	15	E	7	10	9	—	1.3	—	Dull day.	
17	30.77	30.77	49.2	46.4	42.5	50.8	2.2	0.9	296	294	85	94	SE	12	SSE	13	10	10	085	9.1	—	Very fine day.	
18	30.70	30.86	50.8	47.6	45.0	55.8	1.3	1.2	339	300	91	92	S	7	W	10	10	9	1.1	1.5	—	• showers.	
19	30.82	30.96	52.8	49.8	45.0	55.6	0.8	2.7	377	280	94	91	WSW	27	WSW	12	2	8	045	12.1	—	Fine day.	
20	30.96	30.84	51.4	49.2	45.0	57.6	3.0	1.2	305	285	80	92	WSW	16	WSW	19	5	100	315	9.5	—	• showers after 5p.	
21	30.93	30.81	48.2	46.3	41.0	52.8	4.2	1.3	241	283	72	91	W	26	S	7	8	—	4.1	—	—	—	
22	30.56	30.43	47.8	44.4	43.8	51.0	1.8	0.4	288	283	87	97	SSE	15	NW	10	8	10	53	0.2	—	• showers after 4p. • n.	
23	30.35	30.05	47.0	42.0	41.2	49.6	1.5	2.6	287	214	90	81	NW	15	NW	12	9	3	03	3.2	—	—	
24	30.76	30.74	49.1	46.8	40.0	50.6	5.1	1.8	234	277	67	87	S	13	S	10	8	7	—	2.9	—	Fine day.	
25	30.56	30.33	50.0	47.0	45.0	51.0	2.2	1.0	304	298	85	93	SSE	19	SSE	20	7	10	11	4.2	—	Cir. and cir.-cum. S.-N.	
26	30.23	29.91	45.0	45.0	42.2	52.0	3.3	2.8	257	237	77	79	SW	18	W	12	4	1	13	9.2	—	• showers a. • p.	
27	30.12	29.91	50.6	51.8	39.8	56.0	2.7	2.2	301	328	81	85	S	11	SW	5	8	10	—	5.8	—	Very fine day.	
28	30.35	30.31	53.0	49.7	47.8	59.8	0.9	0.9	377	334	94	94	NNW	6	ESE	10	0	—	—	9.0	—	Very fine day.	
29	30.26	30.20	48.5	46.0	45.0	50.8	0.7	0.0	324	311	95	100	SE	16	SE	16	8	100	—	6.3	—	—	
30	30.14	30.02	48.3	50.0	44.0	54.1	0.5	1.9	327	312	97	87	SE	12	SE	7	7	0	—	12.1	—	≡ at times. Fine from 10 a.	
31	29.88	29.85	57.2	49.0	47.2	61.6	4.4	0.0	344	348	73	100	E	9	ESE	7	7	10	—	10.0	—	—	Fine day. ≡ after 7p.
M.	29.688	29.703	47.3	45.1	42.3	51.0	2.0	1.5	282	270	86	89		14		11	7.7	7.4	2.725	149	—	—	—

[illegible]

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



## TILLYPRONIE, ABERDEENSHIRE.—MAY 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°	
1	ins.	ins.	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
2	28.89	28.91	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
3	28.91	28.93	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
4	28.93	28.95	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
5	28.95	28.97	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
6	28.97	28.99	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
7	28.99	29.01	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
8	29.01	29.03	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
9	29.03	29.05	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
10	29.05	29.07	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
11	29.07	29.09	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
12	29.09	29.11	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
13	29.11	29.13	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
14	29.13	29.15	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
15	29.15	29.17	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
16	29.17	29.19	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
17	29.19	29.21	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
18	29.21	29.23	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
19	29.23	29.25	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
20	29.25	29.27	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
21	29.27	29.29	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
22	29.29	29.31	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
23	29.31	29.33	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
24	29.33	29.35	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
25	29.35	29.37	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
26	29.37	29.39	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
27	29.39	29.41	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
28	29.41	29.43	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
29	29.43	29.45	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
30	29.45	29.47	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
31	29.47	29.49	45.3	49.5	40.0	55.3	1.3	2.2	272	299	90	85	S	4	SW	4	8	9	ins.	hrs.	°	
M.	28.690	28.697	50.3	45.3	39.4	57.4	4.0	2.1	276	261	76	85	4.8	4.1	5.9	6.1	1.42	37.4				

## LAUDALE, ARGYLESHIRE, a.—MAY 1908.

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	30.05	30.08	55.0	53.2	43.2	58.5	1.1	0.1	400	404	92	100	W	1	W	1	10	10	—	—	Fine day.
2	30.07	30.05	55.1	53.2	45.1	57.5	1.4	1.3	394	368	90	91	S	4	SE	4	10	10	—	—	Very fine all day.
3	29.97	29.87	46.2	45.3	45.2	54.5	0.3	0.3	307	295	98	98	SE	4	SE	4	10	10	—	—	Dull and overcast.
4	29.87	29.77	43.9	50.2	42.7	57.3	2.0	0.2	309	358	87	99	SE	4	S	1	10	10	—	—	Fine, but overcast.
5	29.77	29.67	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
6	29.67	29.57	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
7	29.57	29.47	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
8	29.47	29.37	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
9	29.37	29.27	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
10	29.27	29.17	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
11	29.17	29.07	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
12	29.07	28.97	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
13	28.97	28.87	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
14	28.87	28.77	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
15	28.77	28.67	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
16	28.67	28.57	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
17	28.57	28.47	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
18	28.47	28.37	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
19	28.37	28.27	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
20	28.27	28.17	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
21	28.17	28.07	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
22	28.07	27.97	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
23	27.97	27.87	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
24	27.87	27.77	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
25	27.77	27.67	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
26	27.67	27.57	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
27	27.57	27.47	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
28	27.47	27.37	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
29	27.37	27.27	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
30	27.27	27.17	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
31	27.17	27.07	43.8	52.2	46.7	57.5	0.6	1.0	331	353	95	93	SE	5	S	4	10	10	—	—	☉ all day.
M.	29.840	29.840	54.4	51.0	45.6	60.2	2.7	1.1	355	350	83	92	3.1	2.8	7.8	7.3	4.54	—	—	—	☉ showers 2p.-4p.

† Beaufort Scale (0—12).

## DUNDEE, FORFARSHIRE, c.d.—MAY 1908.

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.	
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## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—MAY 1908.

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

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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	54	48	62	0.0	0.0	100	100	W	3	NW	3	100	8	0.0	• a. Cloudy day.
2	29.75	29.74	53	54	48	62	0.0	0.0	100	100	W	3	NW	3	100	8	0.0	Dull day.
3	75	75	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Overcast, with •.
4	75	75	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Overcast day. • p.
5	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine a. • p.
6	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	• showers.
7	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
8	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Dull day. • showers.
9	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
10	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
11	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
12	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
13	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
14	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
15	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
16	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
17	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
18	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
19	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
20	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
21	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
22	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
23	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
24	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
25	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
26	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
27	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
28	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
29	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
30	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
31	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.
M.	29.78	29.78	53	54	48	62	0.0	0.0	100	100	SE	2	SE	2	100	8	0.0	Fine day.

## CRONKBOURNE (DOUGLAS), ISLE OF MAN, a.—MAY 1908.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

1	30.01	30.00	51.4	45.5	45.2	61.1	0.4	0.4	369	295	97	97	SSW	3	Calm	0	9	0.0	—	8.7	45	Fine day.
2	29.95	29.89	52.0	54.8	39.6	66.0	1.6	2.1	345	371	89	87	S	2	NE	5	2	8	164	13.2	33	Very fine day. ● n.
3	76	75	45.8	47.0	45.0	56.3	0.9	0.0	289	323	94	100	ESE	2	Calm	0	100	100	121	—	43	● a. and p.
4	75	75	50.6	46.0	45.0	52.8	0.6	0.6	353	397	96	96	E	3	SSW	2	10	100	115	—	42	Overcast day.
5	20	68	49.0	47.0	45.0	50.5	1.2	0.0	317	323	92	100	ESE	5	S	4	9	100	058	—	43	● showers.
6	10	36	49.3	46.4	45.7	54.5	0.5	1.6	339	278	97	89	SSW	4	WNW	2	10	6	041	0.6	42	● showers a. Dull afternoon.
7	63	58	48.5	47.0	41.2	52.5	4.5	1.4	239	289	70	90	WSW	5-6	SW	6	10	100	484	11.5	33	Very fine day. ● n.
8	50	38	52.5	48.1	45.0	54.4	0.7	0.7	376	318	95	95	SW	4	SW	6	10	10	321	—	44	Overcast day. ●
9	54	52	50.9	48.0	46.8	56.2	3.7	0.9	282	312	76	94	WSW	4	S	5	4	8	—	13.2	44	Very fine day.
10	61	64	50.8	48.0	46.0	52.5	2.8	1.5	301	297	81	90	SSW	6	WSW	5	4	100	028	11.3	31	Very fine day. ● p.
11	76	70	49.9	48.0	46.0	55.0	1.4	1.8	323	290	91	87	S	4	SSE	2-3	9	150	8.1	41	41	Fine day. ● n.
12	63	60	49.4	47.0	45.3	54.0	2.4	0.9	293	301	84	94	WSW	4	S	4	8	10	—	9.7	45	Fine day.
13	57	47	51.0	45.2	45.0	55.1	2.1	0.4	321	292	85	97	SE	3-4	Calm	0	0.0	2	—	9.0	44	Fine day.
14	39	34	50.1	47.2	41.5	55.2	2.0	0.2	311	320	86	99	ESE	5	Calm	0	8.0	100	277	2.8	31	Dull day. ● afternoon.
15	41	29.54	49.1	49.0	43.8	57.0	1.6	3.0	309	276	89	79	ENE	5	WSW	3	10	4.0	—	4.8	35	
16	29.91	30.01	51.5	50.5	39.0	54.0	2.0	0.5	329	354	87	96	WSW	3	SW	3	10.0	10	026	0.2	31	Dull day. ● n.
17	30.12	12	51.4	50.0	39.0	55.9	0.4	0.7	369	342	97	95	WSW	4-5	SW	5	100	10	002	1.1	47	Dull day. ● n.
18	18	22	53.7	50.0	49.0	62.9	0.9	1.1	387	332	94	92	WSW	6	SW	2	10	7.0	105	3.2	50	Dull day. ● showers.
19	11	30.12	50.5	49.8	48.0	57.4	0.5	1.8	354	312	96	87	SW	4	W	2	10	1.0	—	3.1	44	Dull day.
20	30.21	29.95	54.0	42.4	42.0	57.3	5.0	1.1	288	248	69	91	W	3	NW	2	8.0	2.0	—	12.8	38	Fine day.
21	29.72	45	47.5	44.1	38.4	52.6	1.5	1.8	291	249	89	85	W	5	NW	5	100	100	206	4.9	32	● showers a. ● n.
22	61	69	49.8	45.8	43.7	56.8	3.1	2.0	282	264	80	86	NNW	5-6	NW	6	7	0	—	11.2	34	Fine day.
23	88	88	52.7	49.0	40.0	56.5	5.4	1.3	266	315	67	91	W	4	Calm	0	4	10.0	—	9.1	33	Fine day.
24	72	53	51.0	48.4	47.8	52.8	1.8	0.4	328	330	87	97	SSW	6	SW	4	10	10.0	020	0.4	47	Dull. ● showers 3p.
25	54	29.69	50.0	48.0	44.7	55.6	2.2	0.6	304	319	85	96	WSW	4	NW	1	7	2.0	—	9.0	35	Fine day.
26	29.91	30.06	58.9	56.0	47.8	63.6	3.9	2.4	381	381	76	85	W	5	WNW	5	7.0	10	—	6.4	39	
27	30.34	36	59.6	54.9	47.2	65.7	3.6	1.4	400	391	78	92	ESE	4	ESE	3	6	0.0	—	14.4	40	Very fine day. ● p.
28	40	28	64.0	63.5	46.2	69.0	5.2	4.5	425	437	71	74	ESE	4	ESE	3	0	0.0	—	12.4	35	Very fine day. ● p.
29	31	30.20	65.0	59.0	50.0	70.4	1.0	4.0	403	380	93	76	E	4	ENE	1	6	0.0	—	10.8	40	Fine day.
30	30.01	29.88	62.0	59.0	52.7	68.8	8.1	3.0	321	407	88	82	NE	5-6	N	3	6	10	010	14.2	41	Very fine day.
31	29.81	29.81	59.0	57.5	54.1	65.2	2.8	2.4	413	402	83	85	SE	2	Calm	0	10	4	051	7.8	51	Fine day. ● n.
M.	29.788	29.757	52.3	49.7	44.8	58.0	2.4	1.4	333	324	85	90		4.2		3.0	7.5	6.6	2.179	214	39.8	

† Beaufort Scale (0—12.)

## STONYHURST, LANCASHIRE, a.—MAY 1908.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.23 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	52.0	53.0	48.0	63.1	0.7	0.9	369	377	95	94	—	3	—	2	10	0	ins.	hrs.	0	Fine day.
2	29.79	29.77	52.0	53.0	48.0	63.1	0.7	0.9	369	377	95	94	—	3	—	2	10	0	—	8.5	47	Fine day.
3	71	69	63.0	50.5	40.3	70.4	3.8	2.2	449	312	78	85	2	NE	10	6	10	702	7.8	43	Fine day. $\angle p$ .	
4	66	55	45.2	44.4	42.8	51.0	0.9	0.3	280	285	93	98	6	NNE	4	10	10	255	—	42	☞ early a. ☞ Overcast day.	
5	35	29.19	48.0	50.0	43.8	59.7	0.4	0.5	325	348	97	97	—	3	—	1	10	370	0.9	43	Dull day. ☞ 2.30p. ☞	
6	29.02	28.89	53.0	52.3	46.8	57.2	3.0	1.3	322	357	80	91	S	10	S	10	10	225	0.9	43	☞ showers a. ☞ 3p.—5p. ☞	
7	28.88	29.11	52.7	48.0	46.4	55.9	2.7	1.1	326	307	82	92	12	W	10	10	8	245	1.9	42	Dull day. ☞ 6p.—7p. ☞	
8	29.40	44	49.0	47.0	41.7	52.7	6.0	1.7	217	282	62	88	W	18	—	2	7	505	12.3	39	Fine day. ☞ n. ☞	
9	32	33	53.4	53.3	45.3	56.7	0.8	2.5	385	338	94	83	SW	9	SW	10	10	250	—	43	Overcast day. ☞	
10	30	36	53.0	51.0	48.8	56.9	4.0	2.0	299	323	74	86	W	15	SW	4	8	7	707	10.0	46	Fine day.
11	41	50	50.5	47.1	45.4	55.6	4.0	3.1	271	252	74	78	WSW	13	—	2	6	0	13.1	40	Fine day.	
12	57	47	53.2	52.6	41.1	57.9	4.2	5.7	297	259	73	66	S	7	—	0	4	10	7010	5.5	33	☞ a. Fine day.
13	41	39	52.0	51.0	47.1	50.3	3.9	4.0	289	276	75	74	W	4	—	1	5	10	130	8.1	42	Fine day. ☞
14	33	26	51.0	46.7	44.5	55.0	4.2	1.7	272	279	73	88	—	0	—	1	8	7	345	3.4	39	T a. ☞
15	21	17	53.3	47.8	41.8	55.9	5.8	2.4	204	274	65	83	E	10	—	1	8	10	205	3.7	38	Fine a., then ☞.
16	18	39	49.4	50.5	45.1	54.8	3.0	2.7	281	299	80	82	E	6	—	1	10	3	—	1.8	39	☞ 9a.—10a. Cloudy day.
17	70	83	52.0	54.4	49.9	54.9	3.0	2.0	310	367	80	87	WSW	6	WSW	6	10	10	—	2.6	41	Cloudy day.
18	29.96	54	56.7	51.4	46.1	2.3	3.0	361	361	85	81	W	11	SW	7	10	10	7010	4.4	48	Cloudy day.	
19	30.01	54.2	55.1	51.4	59.9	2.2	2.1	358	374	85	86	W	12	—	3	10	10	7010	0.7	49	Dull day.	
20	29.92	55.0	49.0	47.2	57.7	1.5	2.0	389	298	90	86	—	3	W	5	10	5	7010	0.1	42	Overcast day. ☞ 2p.—5p.	
21	96	74	55.0	51.7	44.3	58.9	6.5	6.3	270	238	63	62	WSW	5	—	3	4	4	7050	12.3	41	Very fine day.
22	47	33	48.0	45.8	44.3	55.5	5.5	3.0	267	243	67	80	WSW	7	SW	3	9	0	7035	4.8	39	☞ a. ☞ showers. ☞ p.
23	27	52	48.2	40.4	40.4	52.5	3.7	2.4	251	260	75	83	—	2	—	3	10	1	132	1.9	30	☞ a. ☞ showers.
24	69	71	54.0	44.6	36.6	55.5	7.6	2.5	267	230	64	78	W	8	—	2	4	1	12.8	28	— a. Fine day.	
25	53	35	57.0	50.7	37.3	59.6	7.6	2.5	271	307	59	83	S	15	SW	7	4	7	777	5.9	30	☞ showers.
26	32	50	50.0	51.0	44.3	54.8	2.0	2.3	309	316	86	84	W	7	—	1	10	9	723	1.4	38	☞ showers a.
27	29.69	29.95	52.2	53.6	48.8	58.4	1.5	2.6	350	339	90	82	W	10	—	3	10	5	—	2.2	43	☞ 7a.—8a. Dull day.
28	30.11	30.16	64.0	57.6	50.4	69.0	6.0	2.4	403	404	67	84	W	7	—	2	3	0	—	15.1	44	Very fine day.
29	75	30.14	66.0	58.0	51.3	71.4	7.2	4.0	401	367	63	76	E	6	NE	7	0	0	—	14.7	42	Very fine day.
30	30.08	29.95	54.0	56.5	48.3	66.3	3.9	5.0	312	322	75	70	E	4	NE	6	0	0	—	12.0	46	Very fine day.
31	29.76	60	61.0	58.0	49.1	67.9	6.3	3.0	351	393	66	81	E	11	—	2	6	10	7040	10.8	41	Very fine day. $\angle p$ .
31	29.56	29.56	64.2	63.0	54.2	71.4	4.7	3.0	443	474	74	82	—	3	N	5	4	2	—	8.6	48	Fine day.
M.	29.567	29.568	54.0	51.5	45.8	59.4	3.8	2.6	321	318	77	83	8	4	7.3	6.1	3.836	188	40.9			



## SHREWSBURY, SHROPSHIRE.—MAY 1908.

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 Station Level.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.					9 p.m.				
1	ins.	ins.	63.1	59.1	51.5	75.0	5.2	2.4	in.	in.	%	%	W	†	†	0	5	ins.	hrs.	°				
2	29.95	29.93	63.1	59.1	51.5	75.0	5.2	2.4	41.1	42.7	72	86	W	2-3	NW	2	0	—	—	45	Fine day.			
3	81	71	48.5	50.0	48.0	65.0	0.5	0.2	380	481	70	79	NW	1	NW	2-3	7	10	53	—	Fine day. $R_{\text{max}}$ 11.30p.			
4	50	39	54.7	50.3	49.0	62.5	1.5	1.3	328	356	96	99	NW	2	SE	2	100	10	08	—	• a. Overcast day.			
5	21	10	51.4	52.2	48.9	59.8	1.4	1.0	385	331	90	91	SE	2	SE	1	10	2	09	—	• 2p.			
6	07	34	50.9	49.5	48.4	60.0	0.9	3.5	343	303	90	93	SE	2	SSE	2	10	100	05	—	• showers.			
7	61	61	51.1	49.4	40.7	60.6	6.5	1.0	349	270	94	76	SE	2	NW	3-4	100	8	03	—	• showers till 3p., then fine.			
8	54	46	56.3	54.0	49.0	59.6	1.8	3.0	402	334	89	80	NW	1-2	S	4	100	10	07	—	• from 7.30p.			
9	52	56	57.8	53.0	52.5	65.0	7.1	3.5	292	311	61	77	NW	4-5	WSW	2-3	6	10	—	—	• shower a. Fine afternoon.			
10	61	69	54.0	47.1	46.4	61.8	6.4	3.1	259	252	62	78	WSW	2	WSW	2	6	0	—	—	Fine day.			
11	74	63	53.7	51.9	39.6	59.5	5.3	2.4	279	324	67	85	S	3	S	1	7	10	—	—	• showers.			
12	60	55	51.9	48.2	44.0	63.3	3.8	3.8	291	251	76	75	NW	1	WNW	1	9	0	—	—	• all afternoon. • n.			
13	50	44	55.4	48.5	38.1	58.0	6.4	1.5	278	303	63	89	SW	1-2	WNW	2	5	100	12	—	—	Cloudy day.		
14	36	34	50.5	47.0	42.5	52.2	3.4	0.0	283	323	78	100	SSE	3	Calm	0	10	8	16	—	—	Cloudy and close.		
15	31	29.58	51.5	52.8	44.9	57.9	2.9	3.0	307	301	81	75	SSE	3	NW	2-3	9	10	02	—	—	Cloudy and close.		
16	29.89	30.02	56.0	56.9	45.4	65.6	4.1	2.0	338	403	75	87	WSW	3	W	2	8	10	—	—	—	Cloudy day.		
17	30.11	16	59.8	57.0	55.0	72.8	4.0	4.2	393	340	77	74	WSW	4-5	WSW	2	8	10	—	—	—	Cloudy and close.		
18	18	18	60.2	57.0	54.4	66.5	4.2	1.9	393	408	75	88	SW	3	NW	2-3	6	9	—	—	—	Cloudy day.		
19	10	30.08	58.9	54.0	53.5	67.8	3.5	2.5	392	347	78	83	SSE	2	WNW	3-4	8	10	—	—	—	Cloudy day.		
20	30.14	29.89	55.9	57.6	41.0	66.5	5.9	4.6	296	346	65	73	NW	2	SE	1	3	10	01	—	—	—	Very close all day.	
21	29.07	54	51.1	44.0	43.9	62.2	4.1	2.3	276	238	73	82	W	2	W	1	10	3	—	—	—	—	Cloudy and close.	
22	44	70	52.0	47.5	40.8	54.8	5.2	4.6	262	227	68	70	WSW	3-4	NW	2-3	8	0	08	—	—	—	• showers till 3p.	
23	87	86	53.9	48.9	39.9	63.9	6.5	2.0	257	299	61	86	NW	3	Calm	0	6	3	—	—	—	—	Fine day.	
24	73	57	57.4	50.1	35.9	61.2	5.6	0.6	319	347	67	96	SW	3	SW	3	7	4	—	—	—	—	• showers afternoon.	
25	55	29.08	54.1	53.0	43.5	60.8	3.1	2.5	333	335	79	83	SW	2-3	NW	3	10	10	01	—	—	—	Close all day.	
26	29.89	30.10	56.0	54.0	51.7	61.0	2.6	1.0	375	388	85	93	W	2	Calm	0	10	8	—	—	—	—	Fine and very warm.	
27	30.27	29	59.0	59.9	50.8	75.8	6.3	2.8	410	427	67	84	W	2	NW	1	4	3	—	—	—	—	Fine and very warm.	
28	29	20	63.0	59.8	46.0	73.0	5.0	2.3	414	442	72	86	E	1	Calm	0	2	0	—	—	—	—	Fine and very warm.	
29	30.21	30.05	54.0	56.8	48.9	69.0	3.0	3.8	334	354	80	76	E	3	ENE	2	9	0	—	—	—	—	Dull a., then fine.	
30	29.87	29.75	58.1	60.0	48.9	69.9	8.4	1.5	268	469	56	91	ENE	3-4	NE	1	10	3	—	—	—	—	Fine day.	
31	29.73	29.69	59.0	66.0	55.1	75.1	2.0	3.5	436	513	88	81	ENE	2	SE	1	10	3	28	—	—	—	—	Fine day.
M.	29.746	29.738	55.7	53.6	46.5	64.6	4.3	2.5	333	350	75	84		2.5	1.8	7.5	6.4	1.56	—	43.5				

## CAMBRIDGE, a.—MAY 1908.

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	30.14	30.09	62.2	59.0	52.2	73.1	4.1	0.8	.427	.474	77	95	W	4	Calm	0	9	3	—	8.4	45	Fine day. $\Delta$ p.
2	.05	30.02	56.0	60.0	48.5	71.4	0.5	2.3	.434	.444	97	86	Calm	0	SE	1	6	10	.04	7.0	40	$\Delta \equiv$ a. Fine day.
3	30.01	29.93	50.0	49.4	49.0	60.0	0.8	1.4	.339	.317	94	90	E	2	Calm	0	10	10	.04	0.1	45	• a. Overcast day.
4	29.74	.59	50.1	54.9	41.4	61.9	1.9	1.0	.313	.403	86	94	Calm	0	S	1	10	6	.02	1.1	33	Cloudy day. • showers p.
5	.50	.39	53.4	54.5	47.1	58.5	2.8	2.5	.332	.354	82	83	S	2	SE	4	100	10	.03	1.6	38	• showers a. and p.
6	.33	.51	54.2	51.0	50.9	60.5	2.7	2.1	.345	.321	82	85	S	3	SW	4	10	4	.12	3.3	46	• showers a.
7	.81	.87	53.5	54.5	41.9	60.4	6.0	4.6	.262	.304	64	72	SW	4	SW	2	4	9	.09	11.8	33	Fine day.
8	.77	.74	57.9	56.0	49.1	61.0	2.9	2.0	.394	.391	82	87	SW	4	SW	5	10	10	—	—	47	Overcast day.
9	.72	.79	59.7	54.9	53.5	65.0	6.6	3.0	.326	.349	64	80	SW	5	SW	1	9	2	—	9.3	49	Fine day.
10	.84	.90	55.2	49.2	44.0	62.5	3.4	3.1	.342	.276	79	79	SW	4	Calm	0	10	0	—	6.1	34	Sunny a., then overcast.
11	.97	.85	55.0	50.0	34.8	60.4	6.9	1.1	.262	.332	61	92	SW	1	Calm	0	8	100	5.4	5.4	27	Fine day.
12	.78	.72	55.8	50.4	44.5	63.5	4.5	1.1	.326	.338	73	92	W	3	Calm	0	8	6	—	8.7	42	$\Delta$ a. Fine day.
13	.71	.66	48.8	47.6	43.0	59.2	1.8	1.6	.300	.290	87	89	W	1	SW	2	9	2	.10	4.6	38	$\Delta$ showers afternoon.
14	.63	.58	54.0	51.0	41.3	55.9	5.0	1.0	.288	.348	69	93	SE	4	SE	1	9	3	.03	1.6	33	Cloudy day. • n.
15	29.64	29.71	52.0	51.0	43.5	55.9	3.0	1.3	.310	.341	80	91	S	4	SW	4-5	9	9	.16	2.0	36	Cloudy day.
16	30.09	30.25	56.7	54.5	44.1	63.2	5.3	2.5	.317	.354	68	83	SW	4	W	1	9	2	—	5.2	36	Fine day.
17	.31	.36	62.7	61.9	52.5	73.1	4.6	4.4	.421	.415	74	75	SW	5	W	1	8	5	—	9.5	43	Fine day.
18	.39	.36	56.8	58.5	49.0	71.2	3.0	1.6	.375	.441	81	89	SW	4	Calm	0	8	2	—	12.3	41	Fine day.
19	.32	.21	59.3	59.1	48.0	73.1	2.2	2.3	.435	.429	87	86	SW	1	Calm	0	9	3	—	10.2	41	$\Delta$ a. Fine day.
20	30.31	30.16	59.0	51.0	50.8	66.9	6.2	4.0	.360	.276	65	74	N	4	SE	1	4	5	—	8.8	47	Sunny a., then overcast.
21	29.84	29.71	56.7	51.6	48.9	64.0	3.2	4.6	.368	.270	80	71	SW	1	W	3	9	3	—	4.0	45	Overcast most of day.
22	29.70	29.82	53.7	48.0	39.9	59.3	5.9	2.3	.267	.278	64	84	SW	4	NW	2	7	9	.05	9.3	31	• showers.
23	30.01	30.06	52.9	50.2	41.4	61.4	4.6	3.5	.285	.278	71	77	N	4	N	1	7	4	—	13.3	33	Fine day.
24	29.97	29.83	56.0	51.4	38.2	64.2	5.0	2.5	.317	.317	70	83	SW	1	Calm	0	2	4	—	8.5	28	Fine day.
25	29.78	29.88	58.0	53.4	48.0	62.0	7.0	2.5	.296	.340	61	83	SW	3	SW	2	9	9	.02	3.0	39	• showers a. Cloudy day.
26	30.07	30.27	59.5	57.7	50.0	66.1	4.5	3.7	.374	.370	73	77	W	1	NW	2	9	10	—	3.0	41	Cloudy day.
27	.44	.47	64.5	57.0	52.0	72.0	5.5	1.8	.397	.411	65	88	N	2	Calm	0	5	0	—	13.8	42	Fine day.
28	.46	.40	63.5	53.0	47.1	68.5	5.7	2.5	.403	.335	69	83	N	4	NE	4	5	10	—	12.0	36	Fine day.
29	.33	30.15	62.9	57.9	48.9	71.7	6.8	4.4	.365	.356	64	74	NE	5	N	5	0	6	.01	11.0	42	Fine day.
30	30.00	29.92	59.7	54.9	52.9	71.4	2.5	1.0	.433	.403	85	94	NE	4	N	4	10	10	—	2.2	44	Cloudy day. T 4p.-6p.
31	29.94	29.91	59.0	63.2	54.0	76.2	1.1	4.2	.404	.441	93	76	NW	1	Calm	0	10	7	.20	7.0	50	Overcast a., then sunny.
M.	29.955	29.937	56.7	54.1	46.8	65.0	4.1	2.5	.350	.355	76	84		2.9		1.7	7.8	5.9	1.16	204	39.5	

† Beaufort Scale (0—12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—MAY 1908.

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 Station Level.		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.
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## SOUTHAMPTON, HAMPSHIRE, a.—MAY 1908.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 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.		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.	Min.	Max.	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.	65.2	60.9	51.8	74.0	5.1	4.7	.447	.390	73	73	SW	2	SW	1	8	0	ins	hrs.		
2	30.14	30.07	66.0	61.2	49.9	71.0	6.5	3.2	.420	.437	66	81	SW	1	SE	1	100	10	10.3	47	Fine, sunny, and warm.	
3	29.91	29.84	66.0	57.0	54.0	67.2	2.4	2.0	.441	.405	86	87	SW	3	SE	2	9	10	3.10	11.4	43	Fine, sunny, and warm.
4	.69	.62	53.3	51.6	50.8	63.6	1.1	1.5	.376	.343	92	90	SE	1	SW	3	10	10	.190	0.4	49	☉ 5a.—6a. ☐ 5a. Fine day.
5	.47	.38	53.0	52.5	48.8	58.0	2.2	1.8	.342	.346	85	88	SW	4	SW	4	100	10	.230	0.6	47	Dull day.
6	.32	.29	51.5	50.8	50.2	61.2	1.3	2.3	.346	.314	90	85	SW	5	SW	4	100	10	.020	1.6	47	☉ 6a. and 2p.
7	.83	.89	55.0	51.2	42.9	62.4	5.9	1.0	.282	.350	66	93	NW	3	SW	4	5	10	.018	3.7	48	☉ showers till noon.
8	.84	.76	52.6	54.1	50.9	57.2	0.6	1.5	.380	.376	96	89	SW	4	SW	3	10	10	.018	9.9	38	Fine till 4p., then dull.
9	.76	.82	59.0	51.5	51.4	63.5	5.0	2.2	.354	.324	71	85	NW	2	SW	1	5	8	.020	10.5	48	☉ during day.
10	.84	.92	55.4	50.0	49.4	62.4	3.2	1.9	.350	.312	80	87	SW	1	SW	2	10	0	—	7.3	45	Fine day.
11	.92	.78	53.5	52.0	45.4	55.8	3.5	1.9	.316	.328	77	87	S	3	SW	2	9	100	.040	1.5	39	☉ showers 9a.—noon.
12	.81	.73	58.1	51.1	48.8	62.3	6.1	2.1	.317	.322	65	85	W	2	SW	2	8	8	.050	8.2	39	☉ 4p.—9p.
13	.72	.67	52.1	48.6	43.9	60.0	2.8	1.6	.317	.302	81	89	W	2	SW	2	100	1	.110	8.7	38	Fine day.
14	.53	.57	48.5	49.2	47.2	54.3	1.3	1.9	.308	.303	90	87	SE	4	SW	4	100	8	.680	1.0	42	☉ showers 9a.—noon.
15	29.61	29.80	50.0	52.6	48.5	55.1	1.4	3.4	.324	.308	90	77	SW	3	WSW	3	100	10	.060	0.4	45	☉ 7.30a.—3p.
16	30.14	30.29	55.9	54.1	45.4	62.8	4.0	1.3	.340	.381	75	91	W	3	SW	2	10	10	—	5.8	40	☉ 4a.—noon.
17	.38	.42	59.8	51.1	50.8	70.4	3.1	1.0	.417	.350	81	93	SW	2	SW	3	9	10	—	9.4	50	Fine day.
18	.43	.32	58.0	56.1	50.3	68.1	4.0	1.9	.367	.396	76	87	NW	3	SW	2	10	1	—	11.9	48	Fine day.
19	.30	.21	57.0	60.1	52.7	71.2	2.0	2.7	.405	.434	87	83	NW	2	NW	1	10	1	—	8.4	47	Fine day.
20	30.25	30.08	61.2	54.1	51.9	66.2	5.1	1.9	.384	.365	72	86	NE	2	SE	1	5	1	—	11.3	47	Fine day. ☐ p.
21	29.83	29.79	61.5	48.2	47.8	65.1	6.2	4.7	.360	.233	66	69	NW	2	NW	3	5	0	.005	10.7	42	T.a. Fine day. ☐ p. < 1p.
22	29.71	29.88	52.2	48.1	44.3	57.2	4.9	2.0	.270	.287	70	87	SW	4	W	4	10	10	.080	3.0	40	Fine day.
23	30.02	30.02	57.9	56.2	39.9	65.3	6.2	5.7	.313	.304	65	67	NW	4	SE	2	5	5	—	12.9	33	☉ showers.
24	29.94	29.85	58.3	52.9	43.5	62.5	6.9	2.6	.302	.331	62	83	SW	2	SW	4	1	10	.050	9.4	37	Fine day.
25	29.82	29.91	55.8	54.2	49.8	58.0	4.1	1.9	.336	.366	75	87	SW	3	SW	4	10	10	.035	0.5	49	Fine day. Cool evening.
26	30.10	30.27	56.0	56.2	50.8	62.2	2.3	2.8	.383	.372	85	82	SW	3	NW	1	10	0	—	0.1	47	☉ 11a.—noon. Dull day.
27	.41	.42	65.1	59.5	47.4	74.2	6.7	4.4	.401	.377	65	74	NE	3	SE	2	3	0	—	12.3	41	Dull day.
28	.39	.28	67.0	62.0	50.4	74.0	8.0	4.9	.397	.402	60	73	NE	2	NE	1	0	2	—	14.0	42	Very fine and warm.
29	30.24	30.04	63.8	63.1	50.1	73.3	7.1	6.8	.371	.368	63	64	NE	3	NE	5	1	10	.150	11.5	46	Very fine and warm.
30	29.92	29.88	57.4	58.8	53.8	67.0	2.0	1.6	.412	.445	87	90	NE	2	SE	1	10	0	—	5.2	51	Fine till 4p.
31	29.88	29.85	65.0	64.4	53.2	71.9	4.9	4.1	.450	.464	74	77	SE	1	SE	1	3	8	.200	10.9	46	Fine and warm. ☐ p.
M.	29.940	29.932	57.6	54.6	48.9	64.4	4.1	2.7	.362	.356	76	83	2.6	2.4	7.3	5.9	2.258	219	44.3			

## PLYMOUTH, DEVONSHIRE, a.—MAY 1908.

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	30.01	61.0	58.0	46.9	69.9	3.9	3.9	41.3	37.0	78	77	—	1	E	11	0	0	—	12.9	41	Fine day.
2	29.94	29.91	65.0	58.3	53.7	73.0	7.6	0.3	37.6	47.7	61	98	E	10	—	3	4	100	20	73	45	Fine day. Sultry. ● n.
3	88	80	59.9	52.0	51.7	65.4	3.2	0.2	41.6	38.3	81	99	NNW	9	—	0	4	0	03	10.1	49	Fine and warm.
4	63	55	49.8	51.2	48.0	53.0	0.4	1.2	34.8	34.5	97	92	SE	5	S	11	100 <sup>0</sup>	100	36	—	49	Dull day. ● <sup>0</sup>
5	32	26	51.2	52.4	50.2	53.0	1.0	1.3	35.0	35.8	93	91	S	27	SW	22	100	100	16	—	49	Dull day. ● at times.
6	28	61	51.0	48.5	48.3	57.1	1.1	2.1	34.6	29.0	92	85	W	20	W	4	100	3	01	4.1	41	● showers.
7	80	83	52.7	51.4	42.4	55.1	3.6	0.1	30.5	37.7	77	99	W	7	SW	18	6	100≡ <sup>0</sup>	07	7.2	36	≡ afternoon.
8	79	68	52.0	52.0	50.9	52.0	0.6	1.0	37.2	36.1	96	93	SW	16	SW	20	100≡ <sup>0</sup>	10	11	—	49	Dull and damp.
9	72	76	53.0	52.0	51.0	54.2	1.0	2.2	37.4	33.0	93	85	SW	8	SW	16	10	9	02	0.7	50	Cloudy day.
10	80	87	52.2	49.1	48.2	55.8	2.0	2.0	33.7	29.9	86	86	SW	9	SW	9	6	0	—	9.4	47	Fine day.
11	84	75	52.1	50.0	42.0	55.8	3.8	0.9	29.3	33.7	75	94	SE	9	SSE	7	8	100	04	0.3	46	Cloudy day. ● n.
12	75	74	53.0	49.0	44.1	56.0	2.9	1.9	32.5	30.0	81	87	—	3	WSW	5	7	6	01	9.5	38	Fine day.
13	67	57	52.2	54.1	44.2	55.5	3.4	4.2	30.3	30.7	78	74	SW	14	S	16	6	6	52	9.6	38	Fine day.
14	33	44	52.5	51.7	48.1	56.8	1.1	2.4	36.5	32.2	92	84	SW	13	S	30	7	6	30	8.7	46	Fine day.
15	29.50	29.84	51.6	52.7	48.8	59.3	1.2	3.4	35.0	31.0	92	78	SW	27	W	11	7	8	02	7.3	47	Fine day.
16	30.09	30.27	51.5	52.2	46.1	55.8	0.5	0.4	36.7	38.0	96	98	—	3	W	12	100≡ <sup>0</sup>	100≡	01	—	39	Overcast day.
17	36	39	51.2	51.0	50.2	56.0	0.3	0.4	36.8	36.4	98	97	SW	3	SW	4	10	9	—	0.4	38	Cloudy day.
18	41	35	52.1	53.0	50.2	56.1	1.1	0.9	36.0	37.7	92	94	W	6	—	1	10	10	01	—	47	Overcast day.
19	27	20	54.0	53.6	51.4	60.5	1.7	2.1	36.8	35.3	88	86	—	0	NNW	9	10	10	—	4.6	51	Cloudy day. ≡
20	30.20	30.04	58.6	56.0	49.9	62.4	4.6	3.5	35.9	35.3	73	78	E	7	—	0	10	10	—	7.2	45	Fine day.
21	29.84	29.80	54.0	55.1	49.9	59.9	6.0	6.0	20.7	26.9	64	63	NW	4	W	14	7	7	05	10.5	49	Fine day.
22	29.75	29.97	50.2	54.0	46.3	55.5	5.2	8.4	24.3	22.3	67	53	W	17	W	4	7	0	—	13.1	42	Continuous sunshine.
23	30.00	30.01	56.5	49.9	49.0	61.7	0.4	3.8	29.1	26.9	64	76	NW	4	—	3	5	2	02	12.5	36	Fine day.
24	29.90	29.79	53.0	52.1	45.0	55.2	2.0	0.6	34.7	37.4	86	96	SW	8	SW	21	6	100 <sup>0</sup>	17	1.7	39	Cloudy day.
25	29.78	29.90	52.0	52.1	48.8	55.0	1.6	0.4	34.5	37.9	89	97	SW	13	WSW	6	100	100 <sup>0</sup>	01	—	47	Dull day. ≡
26	30.07	30.26	54.0	61.1	51.3	61.8	2.0	2.8	36.0	44.7	86	83	SW	6	NW	6	10	0	—	5.8	50	Dull, then fine.
27	35	37	63.5	62.3	52.7	68.8	6.8	6.2	37.4	37.2	64	67	E	10	—	0	2	0	—	14.1	42	Beautifully fine.
28	33	30	62.3	58.5	58.1	69.7	7.5	4.3	36.8	36.5	61	74	E	14	—	2	0	0	—	14.2	45	Beautifully fine.
29	30.19	29.99	61.0	63.3	58.0	70.0	6.0	4.0	35.8	43.1	67	74	E	13	NE	13	3	8	—	13.7	48	Beautifully fine.
30	29.87	29.82	56.5	57.0	56.0	63.3	3.3	1.9	36.3	40.8	79	88	NE	6	—	1	10	0	—	3.8	49	Cloudy and sultry.
31	29.78	29.72	62.3	59.9	52.2	69.8	4.3	5.8	42.3	34.8	75	67	E	10	E	9	6	7	01	8.7	46	Fine day.
M.	29.887	29.893	55.0	54.0	49.5	59.8	3.1	2.6	34.9	35.1	81	84	—	—	—	—	7.1	6.2	2.13	197	44.6	

\* Miles per hour.

† Beaufort Scale (0-12).

‡ No record.

## ARMAGH, a.—MAY 1908.

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.
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## DUBLIN (PHOENIX PARK), a.—MAY 1908.

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.		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.	Min.	Max.	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.																					
2	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	ins.	hrs.	°	Beautiful day.	
3	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	13.3	42		Fine day. ● <sup>2</sup> p.	
4	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	230	9.2	37	● <sup>1</sup> till 6a. Cloudy day.	
5	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.8	49		
6	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	4.2	39	Cloudy day.
7	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.05	4.6	47	Cloudy day.
8	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.125	3.6	43	Cloudy day.
9	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.215	9.4	35	Fine day.
10	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.20	0.3	47	Overcast day.
11	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.045	9.0	41	Fine day.
12	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.106	10.5	32	Fine day.
13	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.240	4.7	41	● <sup>2</sup> 6p.-8.30p.
14	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.028	5.9	36	● <sup>2</sup> 2p.
15	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.095	3.8	36	Cloudy day.
16	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.190	2.4	33	Cloudy day.
17	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.64	37		Cloudy day.
18	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.005	5.1	52	
19	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.035	1.7	50	● <sup>1</sup> a. Cloudy day.
20	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.008	3.3	45	● <sup>1</sup> . Cloudy day.
21	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.040	9.9	34	Fine day.
22	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.085	6.3	39	● <sup>1</sup> a. Δ showers.
23	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.006	11.4	37	● <sup>1</sup> a. Fine day.
24	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	2.6	31	Cloudy day.
25	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.290	5.2	44	● <sup>1</sup> showers.
26	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	0.014	1.8	40	● <sup>1</sup> a. Cloudy day.
27	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	5.3	48	
28	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	7.2	41	Fine day.
29	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	15.0	45	Beautiful day.
30	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	14.9	39	Beautiful day.
31	29.98	29.95	64.7	51.4	47.1	70.6	6.5	0.7	401	361	65	95	SW	5	—	2	6	4	10	—	10.6	36	Fine day.
M.	29.749	29.732	54.6	51.1	45.0	60.5	3.0	1.5	350	338	81	90	7	5	7.5	6.1	1788	200	40.5				Fine day. ● showers p.

## BIRR CASTLE, KING'S COUNTY, a.b.—MAY 1908.

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	29.94	29.85	63.7	58.7	50.1	71.7	3.9	2.7	460	411	77	83	S	2	S	2	2	1	—	11.8	—	Fine and warm.
2	81	82	65.6	58.7	45.8	70.7	5.6	2.5	439	417	70	84	S	1	WSW	1	4	9	330	5.1	—	Fine and warm.
3	80	65	51.7	53.8	49.8	59.5	0.6	0.9	367	389	96	93	WSW	1	SSW	2	10	7	—	1.0	—	● n. Cloudy day.
4	29.39	29.23	51.5	51.8	46.5	60.7	1.6	0.9	339	361	89	93	SSE	2	SSE	1	10	10	069	2.5	—	Cloudy day. ● n.
5	28.93	28.94	53.0	52.3	49.8	59.5	0.7	2.1	383	336	95	85	S	2	SW	1	10	10	170	2.3	—	● showers.
6	29.05	29.42	50.3	43.6	42.4	54.8	0.4	0.9	355	203	97	93	SW	3	W	2	10	4	032	7.9	—	● showers.
7	60	43	50.9	53.1	34.8	55.6	0.3	1.1	365	373	98	92	SSW	2	—	0	4	100	272	5.8	—	Cloudy, with ●.
8	36	28	55.7	54.7	51.8	55.8	0.8	1.9	422	374	95	88	S	2	SW	3	10	10	144	—	—	Overcast, with ● showers.
9	46	43	53.7	46.6	40.8	58.7	3.8	1.7	312	278	75	88	SW	2	SSW	1	9	9	156	7.6	—	● showers.
10	48	55	52.5	46.9	39.8	56.5	4.5	1.7	282	281	71	88	S	5	SW	3	6	1	168	10.5	—	● showers. ~ 6p.
11	61	58	56.9	46.1	44.5	58.6	1.7	1.1	412	286	89	92	SW	2	—	0	4	100	200	6.0	—	Cloudy, with ●.
12	58	50	52.7	47.7	41.7	54.7	3.7	0.9	302	309	76	94	S	1	SW	1	9	6	113	6.2	—	● showers.
13	47	33	51.7	51.5	43.8	50.7	2.7	1.8	314	334	82	88	S	2	S	2	8	10	080	0.8	—	Cloudy and overcast.
14	42	28	48.7	51.5	44.7	56.5	0.9	2.8	322	310	94	81	E	4	SE	2	10	7	081	3.2	—	Cloudy day.
15	40	65	50.1	50.8	39.8	60.7	1.4	1.6	326	330	90	88	NW	2	W	2	8	3	037	8.1	—	● showers. ~ 7p.
16	28.81	29.94	53.7	58.7	43.8	60.8	0.8	1.8	390	438	94	88	S	1	WSW	2	10	10	008	1.9	—	Cloudy, with ● showers.
17	30.05	30.06	59.7	57.7	54.8	60.6	1.7	0.6	457	458	90	96	WSW	2	SW	3	9	10	033	2.4	—	Cloudy day.
18	15	17	56.5	55.5	53.8	60.8	0.8	1.3	433	403	95	91	SW	3	SW	2	10	10	134	0.2	—	Dull and overcast.
19	09	30.19	53.5	55.8	47.9	59.9	1.4	2.8	370	367	90	82	S	1	SW	2	10	1	—	4.0	—	Cloudy day.
20	30.17	29.87	52.8	50.1	39.8	58.1	3.8	2.2	301	306	75	84	WSW	2	WSW	2	7	4	034	6.6	—	Cloudy day. ● n.
21	29.70	29.70	37	50.6	46.6	42.8	51.7	3.9	1.5	274	282	74	90	SW	3	W	3	100	171	8.7	—	~ 7p.
22	68	82	51.0	51.7	40.8	57.7	4.0	1.9	276	334	74	88	NW	3	NW	1	8	9	013	10.2	—	● showers.
23	89	82	49.8	53.7	41.7	57.9	1.6	1.2	317	379	88	92	SSW	2	SSW	4	100	10	014	0.4	—	Cloudy and overcast.
24	56	48	55.0	46.6	45.2	57.4	2.5	0.7	362	302	84	95	SSW	4	W	3	100	10	338	6.7	—	● showers.
25	50	29.67	52.7	52.6	44.1	55.8	3.5	1.6	307	353	77	89	SSW	3	SW	1	10	10	045	0.8	—	● showers.
26	29.93	30.16	55.7	58.7	50.1	60.8	1.7	1.1	395	459	89	93	SW	2	SW	1	10	10	—	0.8	—	Dull and cloudy.
27	30.30	28	61.1	63.3	53.8	71.6	2.2	1.4	449	533	86	91	—	0	—	0	9	0	—	5.8	—	Cloudy day.
28	26	19	67.5	63.9	48.8	75.5	1.2	1.1	626	555	93	94	SE	2	—	0	0	3	—	12.0	—	Fine and sunny.
29	30.17	30.08	69.7	58.7	54.2	73.6	2.6	1.8	621	438	85	88	—	0	SE	1	0	1	—	11.7	—	Fine and sunny.
30	29.95	29.81	64.5	60.7	44.8	70.0	0.7	3.4	581	423	96	80	NE	3	—	0	3	—	—	12.3	—	Fine and sunny.
31	29.70	29.66	61.9	61.8	51.7	69.1	2.2	2.4	480	472	87	85	SSE	2	—	0	10	9	175	4.3	—	T 6a.-8a. Cloudy day.
M.	29.706	29.691	55.6	53.7	45.9	61.0	2.2	1.7	388	373	86	89	2.1	1.5	7.4	7.0	2817	168	—			

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—MAY 1908.

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.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.
2	10, 15	9, 14	8, 19	23	*	25, 9	26, 7	?	?		26, 6	32, 7	32, 4	— 3	26, 9	7
3	6, 14	6, 12	7, 21	2	32, 10	32, 10	5, 7	6, 7	32, 14	12	— 2	11, 6	8, 5	— 3	6, 8	23
4	9, 14	10, 16	11, 17	17	11, 14	12, 15	12, 15	13, 12	12, 18	14, 15	6, 13	6, 15	6, 22	7, 12	6, 22	18, 19
5	9, 17	9, 16	9, 18	14	20, 5	8, 7	— 2	27, 4	13, 13	15	7, 4	8, 6	12, 4	19, 4	7, 9	1, 2
6	9, 15	8, 15	7, 18	7, 11	18, 10	12, 17	16, 6	6, 7	12, 17	12, 13	19, 10	14, 17	17, 12	16, 8	14, 17	13
7	10, 11	12, 9	8, 18	3, 4, 6	20, 12	21, 10	14, 7	20, 6	21, 24, 14	8, 24	18, 13	19, 15	24, 12	24, 12	20, 15	12
8	23, 16	22, 12	24, 18	14	24, 14	24, 16	22, 11	20, 9	24, 17	12	25, 15	25, 15	24, 7	19, 4	25, 15	9, 12, 13
9	13, 8	10, 14	9, 21	23	20, 9	20, 16	21, 17	20, 15	21, 21	17	22, 15	22, 13	19, 12	20, 15	22, 20, 15	9, 11, 22
10	12, 7	26, 15	8, 21	1	24, 15	26, 15	26, 5	21, 9	23, 17	8	24, 16	24, 11	22, 10	22, 5	24, 16	9
11	28, 11	— 3	26, 18	10	23, 12	21, 17	21, 18	21, 12	20, 21	16	22, 10	22, 12	— 2	19, 6	23, 12	11
12	9, 10	6, 12	8, 15	22, 24	20, 17	20, 8	12, 8	15, 7	13, 18	15	25, 4	12, 7	9, 5	6, 7	9, 9	17
13	8, 15	8, 15	8, 18	6, 7, 15, 16	12, 4	11, 16	10, 9	10, 4	11, 16	13	26, 12	27, 10	6, 4	9, 6	25, 13	10
14	6, 6	8, 7	7, 12	1	10, 4	11, 7	13, 8	— 0	12, 9	19	10, 4	25, 4	13, 7	24, 5	5, 10	4
15	10, 12	12, 15	13, 17	21	12, 10	10, 15	11, 21	11, 14	11, 21	17, 18	14, 12	12, 10	12, 12	12, 18	12, 18	20, 21
16	8, 13	8, 11	10, 15	8	— 2	5, 8	32, 11	31, 5	12, 18	1	18, 14	19, 18	15, 12	18, 10	15, 19	11
17	12, 17	13, 18	14, 19	20	10, 5	8, 7	20, 15	20, 11	20, 15	18	26, 7	23, 7	23, 7	22, 7	26, 12	6, 7
18	23, 26	23, 30	22, 32	15	22, 16	24, 18	21, 12	20, 15	19, 23	23	22, 13	24, 12	22, 7	21, 10	22, 14	8, 11
19	23, 29	22, 22	23, 30	11	22, 12	22, 14	25, 10	26, 6	21, 18	2	23, 10	24, 10	— 2	— 2	24, 13	2
20	16, 12	22, 17	24, 22	19	12, 4	32, 10	— 2	25, 4	32, 10	13	15, 7	14, 11	25, 7	25, 5	15, 12	14
21	22, 18	— 3	23, 26	9, 10	26, 7	12, 10	14, 18	17, 9	13, 21	17	1, 12	3, 7	8, 12	9, 17	9, 17	21
22	14, 9	32, 10	15, 17	10	18, 10	25, 6	26, 7	23, 5	20, 18	5	14, 10	13, 8	1, 6	25, 6	9, 16	1
23	28, 23	27, 21	28, 26	12	8, 4	9, 7	10, 5	— 2	9, 9	11	19, 11	14, 19	23, 7	20, 5	14, 19	13, 14
24	16, 15	16, 10	16, 17	12	8, 8	12, 19	12, 11	18, 4	12, 19	13	32, 14	1, 14	1, 10	4, 5	1, 16	11
25	13, 24	13, 26	13, 28	19	14, 12	13, 16	20, 12	19, 15	18, 20	11	4, 6	12, 11	15, 14	20, 7	14, 16	17
26	20, 16	21, 17	21, 21	10	22, 10	22, 10	27, 8	27, 5	21, 14	7	20, 10	23, 11	15, 5	22, 6	23, 12	15
27	15, 14	23, 16	23, 16	18	21, 9	24, 10	25, 11	26, 7	24, 12	23	24, 7	32, 8	— 3	— 2	32, 8	13
28	24, 16	27, 13	22, 22	9	26, 8	8, 10	4, 10	4, 3	25, 27, 10, 10	1, 8, 10, 14	1, 11	2, 12	2, 9	2, 4	2, 12	10, 11, 13
29	32, 7	9, 11	14, 13	24	10, 7	9, 8	8, 7	10, 6	10, 10	20	32, 14	3, 14	4, 17	4, 15	4, 19	16, 24
30	13, 17	13, 12	13, 18	23	11, 6	10, 9	8, 5	2, 4	10, 9	13, 15	3, 18	4, 23	4, 29	4, 29	4, 31	20
31	11, 15	12, 10	11, 17	11	32, 23	32, 15	2, 9	32, 9	32, 23	9	4, 12	4, 10	4, 5	— 2	5, 25	1
	6, 11	7, 10	5, 12	14	32, 9	— 3	— 2	— 2	32, 13	4	18, 5	14, 12	14, 5	8, 4	14, 12	13



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	21, 4	26, 6	24, 9	16	12, 9	12, 13	12, 10	— 2	11, 15	15	— 9	— 15	— 18	— 22	—	30
2	7, 13	8, 13	8, 13	11, 13-15, 18, 22	12, 9	7, 6	8, 7	— 3	10, 9	8	— 16	— 10	— 3	— 3	—	33
3	7, 10	5, 9	7, 13	8	— 0	5, 9	10, 4	10, 6	11, 7	24	— 5	— 12	— 8	— 12	—	19
4	6, 10	8, 10	7, 12	17	14, 8	15, 15	16, 14	11, 11	15, 16, 11 15	4, 13, 16, 22	— 21	— 21	— 22	— 27	—	37
5	14, 7	10, 7	13, 9	14	14, 18	15, 16	16, 12	— 3	14, 18	9	— 18	— 14	— 18	— 18	—	41
6	21, 9	24, 10	22, 15	16	— 1	24, 29	23, 26	23, 22	24, 29	13	— 20	— 23	— 15	— 11	—	36
7	23, 15	21, 11	22, 16	11, 14	22, 19	21, 13	16, 18	15, 12	23, 20	3	— 10	— 17	— 16	— 22	—	34
8	22, 7	18, 10	18, 15	20	16, 10	13, 10	13, 10	18, 8	18, 19	24	— 20	— 25	— 19	—	—	39
9	23, 12	20, 6	22, 16	11	22, 10	15, 12	14, 10	13, 9	19, 20	1	— 13	— 18	— 30	— 12	—	42
10	19, 10	18, 13	18, 14	12, 14	19, 21	20, 19	19, 18	15, 19	19, 23	10	— 20	— 25	— 17	— 20	—	35
11	19, 10	16, 12	19, 12	16	15, 14	13, 15	15, 12	15, 10	15, 20	11	— 20	— 13	— 8	— 4	—	26
12	7, 7	5, 7	5, 7	18	13, 5	12, 13	15, 9	— 3	12, 13	13	— 7	— 19	— 14	— 9	—	31
13	11, 4	5, 7	7, 9	22, 23	12, 6	12, 7	13, 10	12, 7	12, 12	15, 19	— 3	— 14	— 17	— 19	—	42
14	8, 12	6, 12	7, 16	22	9, 30	11, 26	14, 13	16, 11	9, 30	9	— 19	— 23	— 26	— 16	—	34
15	3, 10	7, 8	6, 13	2	2, 12	2, 9	— 1	24, 4	7, 20	4	— 18	— 15	— 10	— 12	—	44
16	22, 12	21, 8	22, 12	13	13, 5	21, 15	22, 10	14, 9	21, 21	15	— 10	— 19	— 15	— 15	—	31
17	22, 15	20, 11	21, 15	5	8, 6	13, 10	19, 12	20, 15	22, 33	6	— 11	— 14	— 19	— 14	—	25
18	23, 13	24, 14	24, 18	16	23, 23	15, 24	11, 25	5, 23	23, 23	9, 10	— 9	— 14	— 10	— 11	—	24
19	27, 6	23, 12	23, 16	24	2, 7	— 2	27, 5	24, 10	2, 10	10, 21, 22	— 14	— 13	— 15	— 11	—	23
20	21, 13	21, 10	21, 13	13	26, 4	11, 10	16, 10	18, 11	24, 12, 16 12	2, 15, 17	— 2	— 10	— 12	— 8	—	19
21	21, 7	21, 7	22, 11	13	25, 12	24, 9	21, 18	19, 15	22, 22	16	— 14	— 20	— 21	— 20	—	42
22	26, 14	25, 11	26, 14	13, 17	28, 23	28, 16	27, 13	25, 12	27, 25	7	— 20	— 28	— 24	— 13	—	59
23	22, 9	22, 7	20, 10	12, 14	23, 10	13, 6	15, 8	14, 4	24, 11	1	— 4	— 9	— 13	— 5	—	20
24	18, 17	19, 11	17, 19	14	17, 21	19, 23	22, 18	19, 12	18, 26	11, 12	— 22	— 17	— 17	— 16	—	31
25	20, 15	23, 14	23, 18	16	22, 12	23, 11	23, 9	23, 6	22, 15	3	— 10	— 16	— 11	— 10	—	23
26	24, 13	24, 10	24, 17	14	23, 15	24, 14	24, 13	23, 10	24, 20	6, 7, 12	— 7	— 6	— 4	— 4	—	?
27	24, 4	27, 6	24, 10	1, 4, 6	14, 7	8, 6	11, 4	— 2	11, 8	15	— 6	— 9	— 5	— 9	—	?
28	— 2	4, 4	7, 7	24	— 2	10, 4	— 2	— 0	10, 6	6, 11	— 9	— 11	— 3	— 2	18?	5, 35
29	7, 10	6, 10	6, 12	11	12, 14	9, 11	8, 4	— 2	11, 15	10	— 15	— 17	— 4	— 3	—	24
30	7, 15	7, 10	6, 15	13, 15, 16	2, 15	3, 15	5, 4	— 2	1, 16	11	— 14	— 14	— 13	— 4	—	27
31	8, 7	4, 8	7, 10	22	— 2	— 2	12, 8	— 1	12, 8	18	— 2	— 17	— 13	— 11	—	22

[illegible][illegible]

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



## TILLYPRONIE, ABERDEENSHIRE.—JUNE 1908.

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.		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.	Min.	Max.	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.	52.1	48.9	47.5	60.7	0.8	0.9	.368	.323	94	94	SW	4	SE	4	9	9	ins.	hrs.	°	Cool breeze. ≡°
2	28.85	28.85	50.0	49.0	47.0	63.2	0.5	0.7	.348	.330	97	95	SE	4	SE	4	10	9	.08	—	46	Dull. ≡● showers.
3	85	81	62.3	59.5	47.4	72.5	3.5	3.2	.446	.410	79	81	S	4	NE	2	6	9	.04	—	47	
4	85	79	58.5	45.8	40.7	60.3	1.2	1.3	.452	.279	92	91	N	4	NW	6	8	9	—	47		
5	76	65	49.9	41.3	40.0	54.9	6.1	0.8	.223	.243	62	94	NW	6	N	4	4	10	—	40	Dull. ● showers.	
6	86	93	44.5	44.5	36.1	51.0	2.4	1.5	.240	.259	82	88	N	8	N	4	10	13	—	39	Cold wind. ● showers.	
7	86	73	42.0	38.8	38.0	51.2	2.0	1.1	.225	.215	85	91	N	4	NW	4	10	7	—	33	Cold wind. ● showers.	
8	67	80	52.0	43.2	38.8	56.2	6.8	1.4	.231	.249	60	89	NW	6	NW	4	5	9	.04	—	38	Cold wind. ● showers.
9	83	97	50.8	49.0	41.1	65.0	2.7	1.7	.304	.305	82	88	NW	4	NW	4	8	8	.01	—	40	Close and warm. ●
10	92	81	57.6	53.8	47.5	63.9	5.6	3.3	.322	.325	68	78	SW	6	SE	6	7	8	—	47	Dull, cloudy and warm.	
11	68	65	54.7	43.1	42.0	57.3	3.4	1.6	.336	.244	78	87	S	6	S	4	9	6	.24	—	40	Dull, with ●.
12	68	55	51.8	44.8	39.5	58.2	5.5	2.3	.254	.246	67	83	W	4	NW	6	7	6	—	35	Cold wind.	
13	31	17	49.0	42.3	39.5	55.3	2.5	1.3	.287	.242	83	90	SW	8	W	4	9	10	.13	—	39	Dull and cold, with ●.
14	43	62	46.3	40.0	39.3	50.5	4.4	1.9	.220	.209	70	85	NW	4	NW	2	4	2	.06	—	38	● showers.
15	54	23	47.8	49.3	38.7	56.2	4.3	3.8	.234	.263	70	74	W	6	SW	8	8	0	.04	—	37	Cold wind. T● showers.
16	27	36	49.8	45.8	44.0	60.5	4.3	2.7	.258	.243	72	83	W	6	N	4	8	8	.01	—	43	Strong breeze.
17	74	77	46.2	43.3	37.5	50.8	4.9	2.7	.210	.223	68	80	N	4	N	4	7	8	—	37	Cold wind. Cloudy.	
18	70	62	45.9	44.5	39.8	49.1	3.4	1.4	.236	.261	77	89	N	4	W	4	8	9	.09	—	39	Cold breeze. ● showers.
19	46	59	45.5	45.1	41.3	53.7	2.1	0.6	.257	.286	85	95	NW	4	N	4	9	9	.08	—	41	Dull and cloudy. ●
20	81	96	48.4	43.1	40.3	60.0	3.6	1.1	.256	.254	76	91	NW	6	NW	4	8	7	—	38	Fresh breeze and warm.	
21	96	95	57.5	47.0	39.0	68.5	1.2	1.7	.436	.282	92	88	W	4	SW	4	6	3	—	38	Fresh breeze and warm.	
22	87	28.86	61.8	56.8	43.1	67.3	9.3	4.7	.294	.333	53	72	SW	4	NW	4	0	8	—	42	Fresh breeze and warm.	
23	28.95	29.08	55.0	53.3	49.3	61.8	4.1	4.8	.323	.285	75	70	NW	4	W	2	8	8	—	49	Fresh breeze and warm.	
24	29.18	13	53.8	54.3	46.5	67.2	4.8	4.9	.290	.295	70	70	W	6	NW	4	8	6	—	46	Fine and sunny.	
25	09	14	69.9	62.7	46.5	76.8	8.4	2.8	.433	.375	59	83	SW	4	W	4	7	7	.02	—	55	Fine and sunny.
26	19	24	68.0	61.6	58.8	71.2	6.2	3.2	.464	.444	67	81	NW	4	N	4	8	9	—	58	Dull and sultry.	
27	23	25	69.3	58.8	55.5	76.8	5.8	3.5	.499	.391	70	79	N	2	NE	2	2	6	—	54	Dull and sultry.	
28	19	15	61.2	57.0	55.0	63.8	2.4	1.4	.462	.422	86	91	NE	4	NE	2	9	8	—	54	Dull and very warm.	
29	13	15	57.0	53.2	51.5	63.7	1.7	1.6	.414	.360	89	89	NE	2	SE	4	8	9	—	50	Dull and very warm.	
30	29.11	29.16	59.5	50.8	46.1	70.5	6.3	1.8	.330	.325	65	87	SE	6	SE	2	0	6	—	46	Sunny and very warm.	
M.	28.827	28.837	53.9	49.0	43.9	61.7	4.0	2.2	.322	.309	75	83		4.7	3.9	7.0	7.1	1.37	—	43.1		

## LAUDALE, ARGYLESHIRE, a.—JUNE 1908.

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	29.89	66.1	58.7	51.9	71.5	4.3	1.0	489	462	76	94	S	4	S	4	4	100	'13	—	—	Fine a. ☉ afternoon.
2	29.94	29.88	63.5	61.1	56.1	69.2	3.5	1.6	467	486	79	90	S	2	S	1	7	10	'18	—	—	Fine a. ☉ afternoon.
3	30.03	30.05	56.5	56.1	55.0	68.3	0.5	0.0	441	451	96	100	Calm	0	Calm	0	10	3	'04	—	—	Very fine day.
4	06	30.11	54.9	48.2	47.2	56.3	1.0	2.2	403	283	94	85	SW	4	N	4	10	6	'15	—	—	Dull and cold.
5	07	29.96	50.0	48.3	47.0	55.1	2.7	1.8	293	294	82	88	N	4	N	7	10	10	'02	—	—	Dull, cold and squally.
6	11	30.16	53.9	46.5	44.5	57.2	4.9	2.4	289	261	69	83	N	5	N	3	5	6	—	—	—	Fresh breeze all day.
7	30.09	29.95	48.9	48.9	44.0	53.9	2.0	2.9	299	277	86	80	W	3	N	4	10	100 <sup>b</sup>	'11	—	—	Dull and cold.
8	29.94	29.94	50.0	50.9	45.2	52.2	5.0	2.7	246	305	68	82	N	4	W	3	10	10	'10	—	—	Cold, with ☉ showers.
9	30.03	30.15	53.2	52.0	40.3	60.8	0.2	0.5	400	375	99	97	Calm	0	Calm	0	100	100	'05	—	—	Dull, with ☉ showers.
10	30.10	29.95	58.0	55.0	50.0	64.2	2.7	0.8	401	409	83	94	W	3	S	4	10	100	'06	—	—	Stormy all day.
11	29.86	85	52.0	49.7	46.9	55.1	2.1	2.8	333	288	85	81	S	1	NW	4	10	6	'12	—	—	☉ showers. Cold.
12	86	77	50.9	49.5	45.2	57.9	1.4	2.2	338	299	91	85	W	3	W	5	5 <sup>b</sup>	7 <sup>b</sup>	'08	—	—	Cold, with ☉ showers.
13	40	34	53.3	48.0	47.3	57.3	1.3	1.1	370	307	91	92	W	4	W	4	100	100 <sup>b</sup>	'26	—	—	Fine a., then ☉ showers.
14	70	82	55.2	48.1	43.2	58.2	5.7	2.1	290	284	67	85	N	4	W	2	4	6	'13	—	—	Cold, with ☉.
15	58	32	51.3	51.2	43.0	50.3	2.1	3.0	324	302	85	80	S	4	SW	4	100	100	'38	—	—	☉ showers all day.
16	48	76	53.9	48.4	46.3	55.1	3.9	3.4	311	260	75	77	W	5	N	4	5	3	'02	—	—	Fine, but cold day.
17	88	90	57.0	54.5	37.9	60.2	5.1	2.8	325	347	70	81	S	2	W	1	3	5	'12	—	—	☉ showers all day.
18	86	76	48.9	46.7	45.2	54.9	2.0	0.7	299	302	86	95	S	4	SW	1	10	10	'23	—	—	☉ showers. Fine intervals.
19	55	29.78	51.9	48.7	45.1	58.2	1.2	2.0	354	296	92	86	SW	2	N	4	100	1	'07	—	—	Fine, but cold day.
20	29.99	30.12	58.5	48.9	38.9	63.7	5.5	2.2	336	294	68	85	N	3	N	1	6	2	—	—	—	Fine, but cold day.
21	30.16	06	54.7	61.2	43.3	68.7	4.7	5.7	304	369	71	69	S	4	S	7	4	1	—	—	—	Very fine a. ☉ afternoon.
22	29.99	08	65.9	49.1	48.2	68.2	7.0	0.2	405	344	65	98	S	6	W	1	3	3	'14	—	—	Fine, but cold day.
23	30.17	31	55.3	49.1	42.0	59.1	3.3	1.0	346	324	79	93	N	1	N	1	9	3	—	—	—	Very fine, but chilly.
24	39	39	57.8	54.5	43.0	62.9	5.6	2.9	325	345	68	81	NW	3	W	1	3	8	—	—	—	Dull day.
25	34	36	57.0	59.2	50.9	63.1	1.1	1.1	431	467	92	94	Calm	0	W	1	10	10	—	—	—	Fine day.
26	40	37	59.7	63.2	54.8	74.1	1.0	1.0	480	544	94	94	N	1	Calm	0	10	1	—	—	—	Very fine all day.
27	38	37	74.9	62.9	54.9	78.1	6.7	0.0	584	574	67	100	S	1	Calm	0	5	1	—	—	—	Very fine all day.
28	32	34	74.1	66.5	54.3	79.1	6.0	1.0	591	318	70	49	NW	1	S	1	0	5	—	—	—	Very fine all day.
29	23	21	76.9	68.1	61.2	80.5	7.7	0.8	592	654	64	95	S	1	S	1	2	8	—	—	—	Very fine all day.
30	30.23	30.27	69.5	59.9	59.0	81.5	5.5	1.9	512	454	71	89	E	3	Calm	0	5	1	—	—	—	Could read ordinary print at midnight.
M.	30.001	30.003	57.8	53.8	47.9	63.4	3.5	2.1	386	366	79	87		2.7	2.4	7.0	6.2	3.59	—	—	—	

† Beaufort Scale (0—12).

## DUNDEE, FORFARSHIRE, c.d.—JUNE 1908.

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.		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.	Min.	Max.	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.	50.2	50.0	49.0	57.0	0.4	0.0	354	361	98	100	E	2	E	3	10	10	ins.	hrs.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JUNE 1908.

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.		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.	Min.	Max.	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.	%	%	SE	†	SE	†	10	10	ins.	hrs.	°	
2	29.66	29.67	52	50	47	54	0	0	.388	.361	100	100	SE	2	SE	2	10	10	.030	—	42	Dull and damp.
3	65	63	51	52	50	54	0	0	.374	.388	100	100	SE	3	S	1	10	10	.060	—	48	Dull and damp.
4	71	74	66	57	47	67	5	0	.404	.405	73	100	W	2	Calm	0	4	9	.050	10.5	41	Fine day. $\bar{K}$ in evening.
5	68	67	68	56	53	73	4	2	.534	.391	78	87	SW	1	NW	5	8	8	—	7.7	46	Fine and bright.
6	65	47	54	52	42	62	4	3	.310	.310	74	80	NW	5	W	7	2	7	.020	12.0	34	Fine and bright.
7	67	77	47	39	39	52	2	1	.275	.218	86	92	NW	7	W	2	7	6	—	8.9	34	Fine and dry.
8	74	62	50	49	38	55	3	1	.286	.322	80	93	SE	2	W	7	8	9	.050	—	29	Cloudy day.
9	60	67	51	46	40	57	3	1	.299	.287	80	93	NW	5	W	5	7	3	.005	8.0	34	Fine and dry.
10	74	81	53	53	42	64	0	2	.403	.347	100	86	W	2	SW	1	10	3	.010	1.6	35	Fine day.
11	83	76	61	55	51	68	1	2	.503	.375	94	87	W	5	W	1	8	9	—	5.7	40	Fine day.
12	64	53	56	50	50	62	2	1	.391	.334	87	93	SW	3	NW	2	8	8	—	1.3	46	Fine day.
13	62	50	55	47	40	61	3	0	.349	.323	81	100	W	2	NW	2	4	2	—	12.0	34	Fine and dry.
14	30	02	54	57	45	58	3	3	.334	.377	80	81	SW	7	SW	5	9	9	.160	—	35	Dull, with $\odot$ showers.
15	31	52	50	46	45	57	5	3	.245	.244	68	79	NW	3	W	3	9	1	.060	6.4	42	Fine day. $\odot$ shower n.
16	47	21	56	56	40	62	1	1	.419	.419	93	93	S	4	SW	5	9	9	—	2.5	33	Dull day.
17	25	38	54	48	40	63	1	2	.388	.285	93	86	SW	5	W	2	7	2	—	12.0	37	Fine and dry.
18	52	54	49	47	45	51	3	2	.276	.275	79	86	NW	4	SW	2	9	9	.010	—	37	Cold day.
19	56	48	50	47	45	54	4	1	.265	.298	74	93	E	1	Calm	0	9	2	—	1.2	42	Fine, but dull.
20	37	39	54	50	42	59	4	1	.310	.334	74	93	SW	5	W	2	9	2	—	1.5	31	Dull day.
21	64	80	54	43	43	60	6	1	.267	.255	64	92	NW	2	W	1	3	1	—	12.6	36	Fine and bright.
22	86	85	57	46	38	58	7	2	.283	.265	61	86	SE	1	SW	1	1	0	—	14.6	29	Fine and bright.
23	78	75	57	49	38	60	5	2	.327	.298	70	86	SE	4	NW	1	0	2	—	14.4	31	Fine and bright.
24	29.80	29.90	57	55	45	61	4	1	.351	.403	75	93	SE	1	Calm	0	9	10	—	0.5	34	Fine, but dull.
25	30.02	30.02	54	49	49	59	3	1	.334	.322	80	93	SW	1	SE	1	8	6	—	10.8	47	Fine and dry.
26	29.95	29.95	67	64	45	72	11	6	.325	.403	49	67	SW	3	Calm	0	1	7	—	14.0	38	Fine and bright.
27	30.07	30.09	61	54	54	65	3	1	.439	.388	82	93	Calm	0	Calm	0	9	2	.005	0.6	49	Dull and close.
28	11	30.06	58	52	52	65	2	0	.421	.388	87	100	SE	1	S	2	8	10	—	7.0	46	Fine and dry.
29	30.04	29.97	61	52	50	62	4	0	.410	.388	77	100	SE	2	SE	1	0	10	.005	4.5	47	Fine, but dull.
30	29.97	29.97	55	52	52	62	0	2	.433	.335	100	86	Calm	0	Calm	0	10	9	—	1.7	50	Fine, but dull.
30	29.97	30.00	60	53	47	62	5	1	.369	.374	71	93	N	1	Calm	0	2	2	—	14.0	41	Fine and bright.
M.	29.705	29.691	55.7	50.9	45.1	60.6	3.3	1.4	.359	.339	80	90	2.8	2.0	6.6	5.9	0.465	186	38.9			

## DOUGLAS, ISLE OF MAN, a.—JUNE 1908.

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	29.62	29.63	58.8	57.8	55.9	62.2	0.8	0.3	470	470	E	4-5	Calm	0	10	10	160	—	47	● showers.
2	62	67	58.4	53.0	52.4	63.3	0.4	0.6	476	386	Calm	0	Calm	0	10	10	145	—	51	● showers.
3	79	80	53.8	58.9	50.4	67.5	0.0	2.2	415	429	SE	2	Calm	0	10	10	7.0	47	Dull a. T p.	
4	82	86	57.2	49.0	49.0	67.5	1.4	2.1	426	296	NW	5-6	NW	5	7	9	9.4	45	Fine day.	
5	83	71	52.2	45.8	45.8	55.0	6.2	0.8	244	289	NW	5	NW	6-7	4	3	0.88	6.1	36	Fine day.
6	80	86	52.0	46.0	45.5	55.0	5.6	1.7	254	272	NNW	4-5	NNW	5	4	1	10.6	41	36	Fine day.
7	86	75	49.0	49.0	44.9	52.7	3.8	0.0	259	348	W	4-5	WSW	5	10	10	0.16	1.0	38	Dull day. ● from 4p.
8	79	83	49.0	50.4	45.2	55.5	2.6	1.6	285	325	W	6	Calm	0	10	10	0.73	4.4	38	Dull day. ● n.
9	85	95	56.0	56.0	48.9	65.8	0.6	1.0	431	419	W	4-5	W	2	10	10	3.2	47	47	Dull day.
10	96	86	57.8	52.8	51.1	60.5	3.6	2.0	375	346	SSW	4	SSW	5	10	10	5.4	45	45	Dull day.
11	73	72	52.5	48.5	47.3	54.5	1.0	1.6	368	302	SSW	6	Calm	0	10	10	1.76	0.5	52	Dull day. ● p.
12	71	62	53.3	50.8	45.7	57.5	4.6	1.4	289	336	W	3	WSW	4	6	8	0.58	9.5	41	● a. Fine day.
13	37	21	50.3	52.2	50.3	52.5	0.0	0.0	365	391	SSW	6	SW	6	10	10	7.20	—	48	Overcast, with ●.
14	41	66	50.6	49.2	46.8	57.3	2.8	1.2	298	319	NW	7-8	SSW	2	3	7	11.0	45	45	Fine day.
15	51	29	52.2	49.5	49.2	52.2	1.2	0.0	358	355	S	7	SW	4-5	9	10	1.45	1.2	43	● from 11.30a.
16	36	48	53.0	49.2	44.1	55.9	3.5	1.2	311	319	SW	4	NW	3	3	2	11.8	40	40	Fine day.
17	54	59	52.2	47.8	46.6	55.0	2.2	0.8	332	312	NE	5	NE	5	10	10	5.52	—	46	● afternoon and n.
18	60	57	47.6	49.1	45.6	54.8	0.0	0.2	330	344	SSW	3	WSW	3	10	9	1.5	45	45	Dull day.
19	45	54	47.9	50.4	45.6	59.6	0.9	1.0	310	334	SSW	5-6	W	2	10	4	0.50	4.0	47	Cloudy day.
20	71	87	55.2	51.0	46.0	62.0	3.4	1.5	342	336	SSE	4	NW	2	7	3	13.0	42	42	Very fine.
21	93	88	57.0	52.0	43.2	65.2	0.5	3.0	450	310	SE	2	SSE	2	10	10	14.6	43	43	Very fine.
22	83	29.83	57.0	53.3	48.0	60.3	3.0	0.3	377	398	ESE	3	SW	3	10	10	0.97	12.1	43	Fine day. ● n.
23	29.89	30.01	54.1	50.2	50.0	59.0	2.6	1.7	346	320	NNW	4	NNW	5	10	1	5.2	52	52	Dull day.
24	30.07	10	55.3	52.0	47.8	63.0	3.3	2.9	346	313	NNW	5	WNW	3	3	10	14.8	44	44	Very fine.
25	09	05	62.0	58.3	48.7	66.5	6.0	1.0	372	455	WNW	2	WNW	5	10	10	3.72	46	46	Very fine.
26	09	11	63.5	65.6	48.6	73.1	3.5	3.6	407	502	W	2	Calm	0	10	10	14.3	52	52	Very fine.
27	16	30.10	60.3	64.5	58.0	70.5	2.0	3.5	459	485	ESE	4	E	2	6	10	12.0	57	57	Fine day.
28	30.05	29.97	62.2	66.3	55.8	73.0	2.2	4.5	484	487	ESE	3	E	3	10	1	14.5	51	51	Very fine.
29	29.97	29.94	60.0	64.5	55.0	71.0	1.4	2.5	472	517	ESE	4	ESE	3	0	10	13.3	52	52	Very fine.
30	29.98	30.01	60.4	59.0	55.0	70.0	6.4	3.2	340	402	ESE	5	E	4	4	10	14.0	51	51	Very fine.
M.	29.779	29.782	55.0	53.4	48.9	61.3	2.5	1.6	368	371	84	90	4.2	3.0	6.3	6.0	2.280	229	45.8	

† Beaufort Scale (0—12). ‡ On May 29th the Station formerly at Cronkbourne, Douglas, was transferred to a site  $\frac{3}{4}$  mile east of the old position. The barometer readings published in the Report for May all refer to the old height above sea level, 140 feet. Those given above refer to the new position, 284 feet above sea level.

## STONYHURST, LANCASHIRE, a.—JUNE 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	Temp. on Grass.				
1	ins.	ins.															ins.	hrs.					
29	56	57	63.0	58.7	54.7	67.9	3.5	1.7	.459	.440	80	89	ENE	4	NNE	7	10	4	477	1.3	51	T noon. ● showers p.	
30	52	60	58.7	62.0	53.1	66.0	1.7	1.8	.440	.494	89	80	NE	7	SW	5	10	10	.030	0.9	50	☾ early a.	
1	70	72	66.0	64.5	54.8	76.3	4.0	3.5	.496	.485	78	80	—	3	—	2	10	4	.018	8.2	52	Fine and sunny. T p.	
2	72	71	67.0	53.3	52.9	67.0	5.7	3.8	.462	.308	70	75	W	7	NW	12	8	10	—	7.7	50	Fine and sunny.	
3	70	56	54.8	50.6	43.8	58.4	6.8	2.2	.261	.313	61	85	W	8	WNW	12	7	10	.020	12.7	35	Cold wind a. ● noon.	
4	66	77	49.4	49.7	44.2	58.6	6.4	4.7	.213	.248	60	60	N	9	—	1	6	4	—	10.4	37	Fine day.	
5	77	70	52.0	50.0	45.6	53.9	4.7	2.7	.272	.293	71	82	W	8	WSW	6	9	10	.230	1.5	37	Cold and threatening.	
6	68	75	48.5	49.2	45.4	53.1	3.2	2.8	.266	.283	73	81	NW	12	W	4	10	4	.050	1.9	39	Dull day. ● noon.	
7	79	87	55.0	55.3	45.8	60.1	1.5	1.9	.389	.383	90	87	W	7	W	6	10	5	.040	0.3	41	Cloudy day.	
8	89	83	59.0	55.6	52.5	64.0	2.0	4.1	.436	.332	88	75	WSW	5	SW	7	10	10	—	3.4	49	Cloudy day.	
9	72	64	56.0	49.7	48.5	61.4	4.8	2.2	.322	.302	71	86	SW	12	W	5	10	100	.155	1.3	45	Distant T p.	
10	63	57	54.0	50.0	43.5	58.0	4.0	4.0	.310	.265	74	74	WSW	4	W	4	7	8	.010	9.3	36	Fine day.	
11	37	13	52.0	54.8	47.0	54.8	3.5	2.5	.299	.359	77	84	S	14	SW	8	10	100	1.195	—	42	● all day.	
12	27	57	52.9	49.7	48.3	57.0	3.2	3.7	.318	.268	79	75	W	10	W	6	10	0	—	7.5	41	Fine day.	
13	48	27	57.8	55.1	42.1	59.9	7.3	4.8	.288	.308	60	71	S	15	SW	10	8	10	.035	5.0	33	Cloudy day. ● n.	
14	29	37	57.4	51.0	47.3	59.7	6.9	4.0	.291	.276	61	74	SW	9	NW	4	8	1	.040	12.5	35	Fine day. ☉ noon-6p.	
15	42	49	52.0	47.6	44.1	52.4	2.7	1.6	.318	.290	82	80	NE	6	NE	7	100	10	.363	—	34	● roa.-noon and n.	
16	54	52	49.3	51.0	44.9	59.7	1.3	3.3	.318	.292	91	78	SE	4	—	3	10	8	.015	5.1	42	● shower noon. T n.	
17	41	44	55.5	53.6	43.5	58.8	4.5	2.1	.321	.353	72	86	SW	10	W	4	9	7	—	2.0	33	Fine day.	
18	60	78	56.5	51.0	47.7	62.7	5.2	4.2	.317	.272	69	73	—	2	—	3	8	0	—	8.0	33	Fine, sunny, and warm.	
19	85	82	57.1	58.0	40.3	67.8	7.1	5.2	.282	.337	61	70	—	2	—	2	0	0	—	15.0	33	Fine, sunny, and warm.	
20	77	77	59.2	55.5	42.8	68.3	5.8	3.5	.338	.344	67	78	—	2	—	1	0	0	—	14.5	33	Cloudy day.	
21	80	29.89	63.4	57.3	47.8	64.5	5.1	2.3	.419	.401	72	85	—	3	—	3	10	10	.010	1.4	41	Sunny and warm.	
22	96	30.01	58.2	59.0	53.3	67.2	2.2	3.6	.418	.400	86	78	SW	4	WSW	4	1	0	—	12.7	41	Sunny and warm.	
23	99	29.96	61.0	60.1	48.3	67.4	3.7	2.1	.419	.452	79	87	NE	3	NE	4	1	3	—	8.6	48	Fine day.	
24	99	30.04	69.0	63.6	52.2	76.1	4.5	3.6	.534	.466	76	79	E	4	—	1	10	0	—	9.3	51	Sunny and very warm.	
25	99	30.02	61.0	63.0	55.8	72.3	3.4	3.8	.427	.449	80	78	NE	6	E	4	0	0	—	11.7	47	Sunny and very warm.	
26	98	29.91	63.5	64.8	75.1	3.8	5.8	.459	.421	77	82	NNE	7	NE	5	0	1	—	10.7	47	Sunny and warm.		
27	92	89	63.0	61.0	52.8	74.7	4.0	3.0	.443	.439	77	82	NE	7	—	3	0	0	—	14.9	43	Sunny and warm.	
28	93	29.93	63.1	62.0	49.9	73.9	7.3	9.0	.355	.301	62	54	—	—	—	—	—	—	—	—	—	—	
M.	29.699	29.703	57.8	55.6	48.2	63.9	4.3	3.5	.363	.352	75	79	7	5	6.8	5.3	2.688	201	41.6				



SHREWSBURY, SHROPSHIRE.—JUNE 1908.

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.		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.	Min.	Max.	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.	60.7	63.0	54.5	73.8	0.0	1.0	.531	.540	100	94	ESE	2	SE	1-2	100 <sup>2</sup>	8	ins.	hrs.	°	50
2	68	77	59.3	59.0	57.5	68.7	0.3	0.2	.495	.493	98	99	E	2	SW	1	100	2	37	—	51	
3	86	86	60.0	61.9	47.4	82.8	1.2	0.9	.479	.522	93	95	SE	1-2	S	1-2	6	7K	14	—	44	
4	88	91	63.0	53.5	53.2	72.0	1.5	3.7	.523	.311	91	76	NW	3	NW	4-5	7	10	—	54		
5	90	75	52.4	54.0	47.0	60.0	5.9	3.5	.253	.322	65	77	NNW	6	NNW	6	4	10	03	—	44	
6	81	91	50.0	50.1	47.8	58.7	3.5	2.8	.276	.292	77	81	NNW	6	NNW	3-4	10	2	—	46		
7	95	90	53.0	50.2	38.6	60.0	4.4	2.2	.290	.307	72	85	NW	3	NW	1	6	60	01	—	37	
8	88	29.93	54.0	50.8	47.0	60.0	4.5	2.8	.299	.301	72	81	NW	3	NW	2	9	10	—	48		
9	29.98	30.04	61.5	58.9	49.3	66.3	3.8	1.3	.424	.456	78	92	WSW	3	WNW	1	9	10	—	48		
10	30.07	30.02	65.0	57.0	55.0	70.0	4.2	3.0	.472	.377	77	81	W	1-2	NW	2-3	7	10	—	51		
11	29.93	29.82	59.0	55.7	53.0	64.0	4.0	1.9	.380	.390	76	88	SW	4	SE	2	9	10	19	—	53	
12	80	77	52.2	50.8	47.5	65.0	1.5	3.3	.350	.290	90	78	SE	1	NNW	2	10	2	—	48		
13	61	37	54.0	57.0	47.8	57.3	2.8	2.1	.339	.402	81	86	SE	3-4	SW	4	10	10	01	—	47	
14	47	75	58.1	47.6	47.6	61.9	5.6	0.8	.329	.310	68	95	WNW	5-6	S	1	7	0	—	44		
15	67	49	58.0	55.3	37.0	65.0	6.0	3.7	.318	.337	66	77	SSW	4	SE	6	7	9	02	—	36	
16	47	53	53.2	52.0	50.0	58.5	3.6	2.0	.311	.335	77	86	NW	1	SE	1	9	9	—	50		
17	56	61	53.0	49.4	46.2	53.8	3.2	0.0	.317	.353	79	100	NW	2-3	SE	1	100 <sup>2</sup>	100 <sup>2</sup>	14	—	48	
18	69	69	56.2	53.0	48.3	65.8	5.0	2.8	.345	.327	71	81	SSE	3	NW	3	3	0	—	48		
19	61	61	56.2	54.9	39.0	64.9	5.2	1.9	.314	.376	69	88	NNW	3	NW	1-2	3	9	—	36		
20	29.74	91	58.0	52.7	40.5	64.0	6.0	1.7	.318	.351	66	88	NNW	3	SSW	1	7	0	—	36		
21	30.00	97	58.2	54.0	37.2	66.0	5.4	1.7	.311	.368	68	88	SE	2	S	2	2	0	—	38		
22	29.95	29.92	58.4	59.0	36.5	71.9	4.6	2.5	.357	.422	73	85	SE	2	SW	1-2	1	0	—	38		
23	29.95	30.06	66.0	56.0	43.0	69.4	6.0	3.0	.434													

CAMBRIDGE, a.—JUNE 1908.

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

1	29°89	29°89	64°0	64°9	52°2	79°2	0°9	2°5	'564	'525	95	85	SE	1	Calm	0	9	4	'07	7°6	42	☉ 7a.-7.45a.
2	29°90	29°99	66°9	59°6	59°0	74°3	3°7	1°0	'523	'479	79	94	SE	3	Calm	0	9	0	—	11°6	40	☉ 2a. Fine day.
3	30°04	30°03	71°1	67°8	50°5	81°0	5°6	5°0	'542	'499	71	73	W	2	E	2	3D	4	—	12°1	40	Fine and sunny.
4	'01	29°97	70°5	62°9	58°9	79°4	5°5	2°9	'533	'475	71	83	N	3	NW	5-6	7	9	'46	7°1	40	☉ 2a. Fine day.
5	30°00	29°88	56°6	52°8	52°2	66°0	4°6	4°3	'332	'291	72	73	NW	5	W	4	9	7	—	10°3	48	☉ 4p. (0.43 in. in 20 mins.)
6	29°89	30°07	51°9	49°1	47°9	56°9	4°8	4°0	'269	'238	70	68	NW	6	N	6	10	10	—	5°3	38	Fine and sunny.
7	30°15	'05	48°0	56°0	39°5	61°0	3°1	4°5	'261	'329	78	73	NW	1	SW	1	10	9	—	5°3	38	Sunny intervals. U
8	'03	'11	57°8	49°9	48°9	65°1	5°3	3°9	'332	'266	70	74	SW	3	Calm	0	10	4	'08	6°2	39	Sunny afternoon.
9	'16	'20	54°4	56°9	42°2	66°9	5°4	0°7	'412	'441	97	95	W	4	Calm	0	10	9	'01	1°1	30	☉ 8a.
10	'24	'19	64°5	62°0	53°9	71°9	4°4	2°1	'457	'484	76	87	NW	2	NW	2	9	7	—	4°0	41	Sunny intervals.
11	30°17	30°03	61°0	57°0	47°9	71°9	5°0	2°5	'383	'391	72	84	SW	3	SW	4	8	9	—	9°3	36	Fine and sunny.
12	29°97	29°93	57°9	52°0	52°0	62°9	3°0	1°0	'393	'361	81	93	SW	4	SE	2	10	4B	'05	2°8	44	☉ showers 6a. and 3p.
13	'87	'00	57°5	55°5	47°8	61°2	5°5	3°3	'322	'349	68	79	SW	4	S	6-7	8	10C	'04	1°2	37	Sunny early a.
14	'65	'93	57°9	50°8	50°8	62°7	5°0	2°1	'341	'319	71	86	W	6	Calm	0	10	0	—	4°0	47	Sunny intervals.
15	'93	'74	60°0	54°4	38°0	69°7	5°8	4°9	'349	'296	67	70	SE	3	S	5	6	7	—	12°5	28	☉ 6a. Fine and sunny.
16	'68	'67	60°4	57°0	49°0	67°1	5°9	1°2	'353	'428	67	92	S	3	Calm	0	9	10	'45	2°3	42	☉ showers. Sunny intervals.
17	'68	'77	55°2	52°7	52°4	62°5	0°1	1°6	'433	'354	100	89	Calm	0	NE	3	10C	10	'09	—	54	☉ showers. Sunny intervals.
18	'90	'88	58°5	55°0	49°9	68°0	4°0	2°7	'373	'357	76	83	SW	3	Calm	0	7	6	—	12°3	47	☉ showers. Sunny intervals.
19	29°75	29°75	62°7	58°5	42°5	70°3	7°8	5°1	'339	'346	60	70	NW	2	NW	4	3	0	—	14°5	42	☉ showers. Sunny intervals.
20	29°85	30°07	60°9	52°0	45°5	63°5	6°2	4°0	'353	'287	66	74	N	5	N	6	6	7	—	12°0	42	☉ showers. Sunny intervals.
21	30°14	'15	53°9	54°1	48°0	60°6	5°0	5°0	'288	'289	69	70	N	5	N	4	10	9	—	6°3	43	☉ showers. Sunny intervals.
22	'13	'11	54°9	57°7	50°1	68°9	5°0	3°7	'301	'370	70	77	NW	2	N	2	7	2	—	11°1	50	Fine and sunny.
23	'12	'16	63°2	63°5	44°8	72°9	6°7	7°5	'372	'356	64	61	NE	1	N	4	0	5	—	12°5	40	☉ 6a. Fine and sunny.
24	'24	'31	64°4	53°7	49°4	68°5	5°6	1°7	'420	'364	69	88	N	4	N	3	5	1	—	12°0	44	Fine and sunny.
25	'30	'27	61°0	55°8	51°6	70°8	6°7	3°8	'341	'342	64	76	NE	3	NE	1	2	0	—	12°0	50	Fine and sunny.
26	'30	'34	65°7	57°3	42°7	76°2	9°7	1°9	'336	'413	53	87	NE	1	N	4	9	10	—	10°2	41	Fine and sunny.
27	'35	'33	61°0	57°8	51°7	65°1	3°0	1°8	'439	'424	82	88	NE	3	NE	4	10	10	—	—	50	☉ showers. Sunny intervals.
28	'27	'22	58°0	62°2	53°1	77°4	2°0	3°4	'421	'447	87	80	NE	3	NE	2	9	0	—	10°3	55	Fine and sunny.
29	'23	'19	60°2	58°0	52°5	75°4	3°5	4°5	'413	'355	79	74	NE	2	NE	3	3	0	—	11°2	52	Fine and sunny.
30	30°20	30°23	61°5	57°6	49°2	78°8	3°7	8°0	'391	'343	72	59	NE	1	NE	2	5	1	—	11°0	49	Fine and sunny.
M.	30°036	30°035	60°1	57°0	49°2	69°2	4°6	3°4	'386	'374	74	80		2°9		2°7	7°4	5°5	1°25	236	43°0	

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—JUNE 1908.

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.		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.	Min.	Max.	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.	64.7	63.7	60.5	73.4	1.7	0.7	in.	in.	%	%	SE	†	3	Cal	0	8	2	ins.	hrs.	0	57	Dull and damp a., pleasant	
2	29.69	29.69	64.7	63.7	60.5	73.4	1.7	0.7	54.8	56.4	89	95	SE	†	3	Cal	0	8	2	22	4.6	57	57	Dull and damp a., pleasant	
3	67	78	65.2	58.7	57.5	69.4	3.7	1.7	489	441	79	89	SE	SE	4	SE	1	3	0	—	3.7	52	52	Pleasant day. [after.	
4	84	87	73.0	68.2	54.1	80.2	7.5	6.7	516	453	63	65	SE	SE	1	SW	2	0	8	—	12.5	43	43	Very pleasant day. T	
5	84	89	73.7	56.7	54.5	77.4	6.7	3.6	558	357	66	77	SW	2	NE	2	0	2	—	10.1	53	53	53	Very pleasant day.	
6	89	76	55.5	53.1	49.3	63.9	6.7	3.5	271	301	61	77	NW	4	SW	1	8	10	—	11.2	46	46	46	Very pleasant day.	
7	79	93	53.7	53.9	45.8	62.4	6.3	5.5	259	277	62	66	NE	3	N	2	10	9	—	10.2	42	42	42	Dull a. Very pleasant day.	
8	99	92	55.9	52.7	40.5	61.4	6.0	4.1	292	294	65	73	W	2	W	2	6	10	03	10.1	35	35	35	Pleasant day. ☉ in evening.	
9	29.94	29.94	59.7	52.7	47.8	63.4	5.9	5.1	343	272	66	68	3	W	1	6	0	—	—	8.3	46	46	46	Pleasant day. [after	
10	30.02	30.06	61.5	60.0	47.7	68.4	5.0	2.7	389	431	72	83	W	1	W	1	9	7	—	3.1	48	48	48	Dull a., ☉ shower 2p., pleasant	
11	11	30.05	66.0	61.5	57.5	70.9	4.5	5.9	480	367	75	67	SW	1	S	3	5	2	—	11.8	54	54	54	Very pleasant day.	
12	30.00	29.87	60.0	56.1	54.3	62.8	6.4	3.5	334	332	64	78	4	SW	1	2	5	14	4.2	48	48	48	48	Windy a. Pleasant day.	
13	29.78	78	56.8	51.9	51.3	63.2	1.2	4.0	425	286	92	74	SW	3	SW	1	10	1	03	4.6	47	47	47	47	Dull, with ☉ a. Pleasant after.
14	68	46	53.7	57.5	47.9	59.4	3.1	3.2	331	379	79	81	SW	3	S	3	10	10	04	—	42	42	42	42	Dull day.
15	53	81	55.5	46.7	42.1	66.4	1.4	2.5	401	261	90	81	SW	3	Cal	0	8	0	—	6.3	39	39	39	39	Dull a., with ☉ showers.
16	71	56	60.2	54.7	40.9	64.9	2.2	3.3	449	338	86	79	S	3	SE	4	0	10	02	12.3	36	36	36	36	Very pleasant day.
17	48	53	52.3	49.7	49.5	55.7	0.7	0.6	373	342	95	96	Cal	0	Cal	0	10	10	21	0.1	46	46	46	46	☉ all day.
18	55	62	48.9	53.2	43.6	53.4	0.8	1.6	325	361	94	89	W	2	SW	1	10	10	14	—	43	43	43	43	Dull, with ☉.
19	75	73	57.2	54.7	43.1	65.2	4.8	3.8	335	325	72	76	SW	1	Cal	0	0	0	—	12.2	36	36	36	36	Very pleasant day.
20	65	63	59.7	51.7	42.4	67.9	6.6	2.6	327	317	63	82	2	Cal	0	0	0	0	—	13.6	36	36	36	36	Very pleasant day.
21	29.74	92	59.5	50.2	40.6	62.9	6.4	3.4	328	279	64	77	NW	4	NW	3	0	0	—	12.3	39	39	39	39	Very pleasant day.
22	30.00	98	59.5	52.2	42.1	63.4	5.8	2.8	295	318	66	81	NE	2	SE	3	0	0	—	14.2	36	36	36	36	Very pleasant day.
23	29.96	29.94	57.5	58.2	44.6	69.6	5.4	3.4	325	384	69	80	SE	1	Cal	0	0	4	—	15.1	43	43	43	43	Very pleasant day.
24	29.77	30.02	66.9	60.0	50.0	70.6	7.5	2.4	409	439	62	85	W	1	W	2	0	3	—	13.0	44	44	44	44	Pleasant day.
25	30.13	15	59.5	55.4	51.5	69.3	4.5	3.2	379	351	73	80	W	2	W	3	0	0	—	4.5	46	46	46	46	Very pleasant day.
26	16	10	59.8	66.2	47.4	72.9	5.9	9.8	344	342	66	52	NW	1	Cal	0	0	3	—	13.0	42	42	42	42	Very pleasant day.
27	14	10	72.9	68.0	48.4	79.9	12.9	5.3	366	491	46	71	SE	1	Cal	0	0	0	—	13.7	42	42	42	42	Very pleasant day.
28	21	13	61.1	58.9	52.8	68.0	2.9	2.4	444	422	82	85	NE	3	NE	2	4	4	—	1.2	48	48	48	48	Dull day.
29	12	03	64.3	68.7	56.3	76.4	5.2	5.0	430	514	71	73	SE	1	NE	1	2	0	—	11.6	55	55	55	55	Very pleasant day.
30	05	01	66.9	63.9	52.1	71.6	7.1	6.4	419	391	64	66	SE	2	SE	3	0	0	—	14.1	49	49	49	49	Very pleasant day.
31	30.01	30.08	65.9	64.8	50.5	77.6	4.4	3.5	482	489	76	80	E	2	Cal	0	3	0	—	13.8	43	43	43	43	Very pleasant day.
M.	29.877	29.877	60.8	57.5	48.9	67.7	5.0	3.7	389	371	72	78	2.2	1.4	3.8	3.7	0.83	26.5	44.4						

WOOLACOMBE, DEVONSHIRE, a.—JUNE 1908.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +.016 in.

[illegible]

† Beaufort Scale (0-12).



## SOUTHAMPTON, HAMPSHIRE, a.—JUNE 1908.

Height above Mean Sea Level, 78 feet till June 25th, then 64 feet. § Heights above Ground:—Bar., 6 feet till June 25th, then 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 Station Level.		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.	Min.	Max.	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.	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● early a. Fine day. < p.
2	29.83	29.84	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
3	29.85	29.86	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
4	29.87	29.88	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
5	29.89	29.90	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
6	29.91	29.92	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
7	29.93	29.94	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
8	29.95	29.96	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
9	29.97	29.98	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
10	29.99	30.00	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
11	30.01	30.02	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
12	30.03	30.04	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
13	30.05	30.06	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
14	30.07	30.08	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
15	30.09	30.10	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
16	30.11	30.12	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
17	30.13	30.14	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
18	30.15	30.16	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
19	30.17	30.18	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
20	30.19	30.20	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
21	30.21	30.22	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
22	30.23	30.24	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
23	30.25	30.26	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
24	30.27	30.28	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
25	30.29	30.30	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
26	30.31	30.32	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
27	30.33	30.34	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
28	30.35	30.36	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
29	30.37	30.38	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
30	30.39	30.40	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.
M.	30.41	30.42	64.2	65.1	59.3	71.2	2.2	2.4	.522	.533	87	86	SE	3	SSE	1	8	10	225	hrs.	57	● n. Fine day.

## PLYMOUTH, DEVONSHIRE, a.—JUNE 1908.

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	29.75	29.78	60.0	58.4	57.1	61.9	2.0	1.3	453	448	88	92	—	2	—	0	10	10	14	12	51	Fine a. ≡ p
2	78	85	59.4	58.0	56.1	63.0	1.8	1.0	450	451	90	93	—	0	S	5	10	10	—	7.6	54	Fine and sunny.
3	90	93	64.0	64.0	57.1	70.8	3.9	3.9	404	404	78	78	SE	5	N	13	4	6	—	14.7	53	Fine and warm.
4	97	96	64.8	59.0	55.8	73.0	6.5	4.1	401	377	66	76	N	16	N	17	0	2	—	14.8	52	Fine day.
5	98	29.93	57.0	51.8	50.0	63.8	8.0	2.1	263	331	57	86	N	17	N	10	3	0	—	15.2	46	Fine day.
6	29.93	30.04	54.0	50.0	49.7	60.2	7.1	2.7	246	293	59	82	N	17	NNW	12	8	0	—	10.9	44	Fine day.
7	30.10	—	56.0	50.0	45.0	62.2	5.9	3.0	297	286	66	80	—	1	N	7	7	6	—	10.1	41	Fine day.
8	05	13	56.0	60.3	49.7	63.0	1.9	7.7	406	309	88	59	SW	8	N	4	10.9	9	02	6.3	41	Dull, then fine.
9	17	23	59.8	58.3	54.0	65.7	3.8	3.1	397	395	77	80	NW	8	NW	4	10	10	—	4.0	49	Fine, but cloudy.
10	24	19	59.0	57.0	54.3	66.0	3.0	4.5	407	338	82	73	NW	5	—	1	10	2	—	7.8	49	Fine day.
11	30.14	30.02	56.0	56.5	53.1	59.9	4.0	4.3	343	338	76	73	SW	9	SW	10	10	10	07	1.2	46	Fine, but dull.
12	29.93	29.95	57.0	52.7	54.3	62.0	0.9	1.3	437	363	94	91	SW	7	—	3	10.0	8	—	5.8	53	Dull, then fine.
13	87	67	55.3	51.0	50.0	60.4	3.1	0.9	351	351	80	94	SW	15	SW	18	10	10	05	1.9	44	Cloudy and damp.
14	73	92	59.0	52.9	50.0	60.9	7.0	3.8	308	303	61	76	WNW	15	—	3	7	0	—	9.6	47	Fine day.
15	85	68	59.1	60.1	43.9	62.2	5.4	0.3	346	309	70	98	S	15	SSW	12	6	10.0	11	8.2	39	Fine, then ● showers.
16	60	63	52.5	53.0	50.1	61.9	2.5	3.8	328	304	83	75	N	4	N	6	10	7	—	4.2	49	Fine day.
17	65	74	57.2	53.0	49.9	61.1	6.8	1.6	289	358	62	89	—	0	—	2	4	1	—	10.8	46	Fine day.
18	82	86	56.3	54.0	41.9	62.5	1.2	4.0	418	310	92	74	SW	8	—	0	6	2	01	13.8	38	Fine day.
19	76	74	59.1	56.0	41.9	68.2	7.1	3.9	307	343	61	76	NW	5	—	3	7	6	—	14.1	38	Fine and warm.
20	29.79	29.94	62.1	58.0	52.4	67.8	7.7	4.0	332	367	60	76	N	8	N	7	6	8	—	9.5	47	Fine day.
21	30.05	30.08	62.3	54.0	50.2	62.8	4.3	1.3	423	380	75	91	—	3	—	0	2	0	—	15.1	44	Continuous sunshine.
22	05	07	59.1	57.0	45.2	64.7	4.6	3.2	366	372	73	80	SW	—	—	2	4	5	—	14.3	40	Fine day.
23	07	13	63.0	60.0	40.2	70.2	5.0	1.1	414	482	72	93	—	2	NNW	6	6	7	—	10.4	40	Fine and very warm.
24	17	18	66.5	61.2	52.9	74.1	6.7	4.3	423	405	65	76	N	11	NNW	9	6	8	—	11.2	50	Fine and very warm.
25	19	18	68.0	58.4	57.8	74.8	12.0	3.3	313	391	46	80	E	10	—	0	0	0	—	13.2	50	Fine day.
26	19	19	68.4	66.1	49.1	74.8	14.3	9.1	276	355	39	56	E	+	SE	7	1	8	—	14.6	43	Fine day.
27	20	15	63.0	61.2	59.0	70.9	4.1	3.0	440	443	77	82	SE	14	—	2	6	3	—	9.9	52	Fine day.
28	15	08	60.0	60.2	57.9	70.1	3.1	2.2	420	450	81	87	ESE	+	SE	+	10	10	—	9.2	51	Fine day.
29	04	03	65.0	63.2	59.1	73.0	5.0	2.8	447	484	73	83	E	+	E	+	4	4	—	12.8	51	Fine day.
30	30.04	30.10	63.0	65.0	59.9	70.2	4.7	6.9	423	394	74	64	E	+	SE	+	9	8	—	5.2	54	⚡ in afternoon.
M.	29.972	29.982	60.1	57.3	51.8	66.1	5.1	3.9	373	380	72	80	—	—	—	6.5	5.7	0.40	288	46.7		



## DUBLIN (PHENIX PARK), a.—JUNE 1908.

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.		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.	Min.	Max.	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.	%	%	E	*			ins.	hrs.		
2	29.69	29.72	57.4	53.6	53.4	67.0	1.5	0.4	.426	.400	90	97	5	—	3	10	.050	2.4	49	
3	74	.80	55.6	52.6	45.2	65.3	0.4	0.4	.431	.386	97	97	1	—	1	10	.095	2.8	41	
4	29.91	29.92	53.1	49.4	47.4	63.6	0.5	0.7	.390	.335	96	95	ENE	6	—	0	100	4=	41	
5	30.01	30.06	58.7	49.6	44.1	63.9	3.6	2.7	.387	.289	78	82	NW	8	NW	4	9	7	41	
6	.02	29.88	54.0	53.4	39.6	57.1	4.9	0.1	.290	.407	70	99	W	7	W	6	9	10	41	
7	.01	30.07	50.9	45.4	41.9	59.0	4.0	1.4	.275	.271	74	90	NNW	11	—	0	9	3	41	
8	30.04	29.94	50.6	52.8	38.8	57.7	4.0	0.4	.272	.389	74	97	SW	4	WSW	6	10	10	32	
9	29.98	29.98	51.4	55.4	45.1	60.0	3.7	1.3	.288	.401	76	92	W	6	WSW	4	9	10	34	
10	30.03	30.12	59.5	57.7	53.5	66.4	1.7	1.2	.454	.441	90	93	SW	9	—	2	10	8	41	
11	30.08	29.98	58.3	56.1	48.4	62.2	4.3	2.7	.363	.374	74	82	SW	10	SSW	7	8	10	41	
12	29.82	.85	57.7	48.6	48.3	59.2	4.4	0.6	.353	.327	74	96	SSW	16	—	1	7	10	41	
13	.85	.77	54.3	50.6	40.9	60.7	4.4	1.7	.306	.326	73	88	SW	6	—	1	7	10	36	
14	.47	.29	54.8	54.1	49.2	59.1	1.8	2.4	.378	.351	88	83	SSW	15	SW	14	10	3	41	
15	.64	.79	53.6	51.7	47.8	61.0	4.4	2.2	.297	.327	72	86	WNW	7	—	0	8	8	41	
16	.53	.44	54.2	49.4	38.1	58.9	4.5	4.2	.301	.255	72	72	S	16	SW	6	10	4	41	
17	.50	.62	54.8	48.6	44.3	59.1	4.2	1.8	.318	.299	75	88	SW	6	—	2	7	5	31	
18	.70	.72	51.6	49.7	43.6	56.3	4.0	0.5	.284	.344	75	96	N	—	—	0	8	10	31	
19	.71	.70	49.8	50.0	47.1	54.0	0.9	1.1	.337	.332	94	92	—	0	—	1	10	10	31	
20	.56	.69	53.6	50.6	45.1	63.5	2.3	2.0	.347	.318	84	86	SW	13	—	2	10	1	31	
21	29.87	.99	54.1	48.2	38.9	61.6	4.0	1.3	.311	.305	75	91	NW	5	—	0	9	0	41	
22	30.03	.98	61.3	54.5	37.0	67.3	5.3	2.0	.380	.368	70	87	E	4	—	1	0	1	41	
23	29.89	29.94	61.3	60.3	36.9	70.6	3.9	1.6	.419	.471	77	90	SSW	6	—	2	2	10	41	
24	30.06	30.20	55.6	53.4	50.1	64.4	2.9	3.5	.362	.316	81	77	NNW	5	—	1	8	9	41	
25	.26	.22	55.5	48.6	39.2	64.2	5.2	1.9	.305	.297	69	87	NW	6	—	0	7	0	41	
26	.24	.22	60.9	62.3	48.0	70.8	5.4	3.4	.372	.449	70	80	—	3	—	1	1	10	41	
27	.23	.22	59.9	56.1	50.0	69.0	1.0	0.6	.484	.433	94	96	—	3	—	2	10	3	41	
28	.23	.19	68.7	55.4	51.1	71.1	4.1	1.0	.543	.410	77	94	NE	5	—	1	0	0	41	
29	.12	.07	66.0	57.7	47.2	69.4	4.1	1.2	.493	.441	78	93	NE	6	—	3	0	0	41	
30	.03	.03	68.5	60.7	47.1	71.6	5.0	2.2	.510	.459	73	87	ENE	6	—	1	0	0	41	
31	30.03	30.08	65.6	66.7	52.2	70.1	4.9	1.8	.461	.406	74	88	NE	6	—	3	2	2	41	
M.	29.909	29.916	57.0	53.1	45.3	63.5	3.5	1.6	.371	.364	79	89	7	—	3	7.1	5.5	1.404	183	40.8

## BIRR CASTLE, KING'S COUNTY, a.b.—JUNE 1908.

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	29.60	29.69	64.7	61.0	54.2	70.5	2.5	1.5	521	487	85	91	SE	1	SW	1	8	8	—	3.0	—	Cloudy.
2	73	74	57.4	61.7	48.1	66.6	0.5	0.8	457	523	97	95	WSW	1	NW	2	10	8	—	0.9	—	Cloudy.
3	29.81	29.88	65.0	60.8	54.7	69.0	3.3	0.7	500	510	82	96	SSW	1	NW	1	9	3	0.04	6.5	—	Cloudy.
4	30.02	30.09	59.9	50.7	49.8	62.9	3.0	1.5	422	331	82	89	NW	2	NW	2	9	4	—	5.7	—	Cloudy.
5	03	29.90	55.5	54.7	42.8	59.2	4.1	0.9	331	403	74	95	NNW	3	W	2	10	10	0.44	3.1	—	Overcast and gloomy.
6	04	30.05	51.5	47.9	45.0	59.1	3.6	1.1	292	306	76	93	NW	4	NW	2	8	7	—	6.8	—	Fine, but cloudy.
7	30.03	29.92	52.7	54.7	42.8	56.6	3.6	0.4	305	417	77	97	WNW	2	WSW	1	9	10	0.61	0.3	—	● showers.
8	29.98	29.98	54.7	56.7	40.8	58.2	3.6	1.6	331	412	77	90	WSW	2	WSW	3	4	10	0.03	3.5	—	Cloudy.
9	30.02	30.09	58.7	59.7	54.8	62.9	0.8	1.7	468	457	95	90	WSW	3	WSW	3	10	6	0.15	0.4	—	Gloomy. ● showers p.
10	30.05	29.93	56.8	56.8	50.4	59.7	2.1	1.9	400	405	86	87	WSW	2	S	3	10	10	0.04	—	—	Cloudy and overcast.
11	29.77	29.83	55.4	49.6	48.7	56.8	0.7	2.4	419	296	96	83	SW	4	SW	2	10	3	1.84	0.6	—	● showers.
12	83	74	54.8	51.8	38.8	58.7	3.9	1.6	326	343	76	88	SW	3	WSW	2	4	10	0.26	5.3	—	● showers.
13	42	41	56.1	51.7	50.1	58.0	0.2	0.8	445	362	98	94	SSW	3	SW	2	10	10	3.12	—	—	● showers.
14	66	76	53.6	47.6	46.8	59.8	3.5	1.4	318	295	77	90	NW	2	NW	2	7	4	0.31	9.5	—	Cloudy, with ● showers.
15	45	41	53.0	48.7	41.2	57.8	1.2	1.2	369	314	92	92	S	4	SW	2	10	5	0.16	4.4	—	● showers.
16	47	60	54.8	49.8	42.5	57.0	3.8	0.9	327	335	76	93	SW	3	NW	1	7	8	0.40	5.1	—	● showers.
17	69	69	53.9	49.9	44.6	56.6	4.9	0.6	289	343	69	96	NW	3	N	1	7	10	1.33	3.2	—	● showers.
18	70	68	50.9	49.7	47.0	53.9	1.0	1.9	348	309	93	88	N	2	WSW	1	10	10	0.25	—	—	● a.
19	53	68	53.8	54.7	45.2	61.7	1.1	1.4	383	388	92	91	SW	3	NW	2	10	9	—	5.9	—	Cloudy.
20	29.84	29.96	53.6	57.7	48.8	61.8	2.7	1.8	338	423	81	88	NW	1	N	1	10	2	—	4.0	—	Cloudy.
21	30.00	29.92	63.0	59.9	41.4	71.6	4.0	2.4	443	440	77	86	S	1	S	3	1	2	—	12.0	—	Fine day.
22	29.79	29.93	64.5	57.6	48.1	65.0	3.5	0.9	485	448	80	94	SW	2	Calm	0	4	10	1.20	4.3	—	Cloudy.
23	30.06	30.18	56.9	52.9	45.7	63.6	3.0	3.0	375	323	81	80	NW	3	NW	2	6	4	—	8.2	—	Cloudy.
24	26	23	56.5	56.1	38.8	63.8	4.5	2.0	333	393	72	87	NE	2	N	1	8	1	—	12.5	—	Cloudy.
25	23	17	61.9	65.6	41.8	71.0	5.1	2.4	395	542	71	86	NW	2	NW	2	2	9	—	9.0	—	Cloudy.
26	19	15	66.7	67.8	57.0	74.7	2.8	1.6	551	617	84	90	NNW	2	NE	1	10	4	—	8.6	—	Cloudy.
27	18	11	65.7	65.7	55.8	76.6	1.8	2.9	565	527	89	83	Calm	0	NE	1	9	10	—	5.6	—	Cloudy.
28	30.08	30.00	68.7	66.6	50.6	78.6	3.7	1.8	556	585	79	90	E	1	SSE	1	6	2	—	12.5	—	Cloudy.
29	29.97	29.96	71.9	63.7	51.8	76.7	3.9	0.6	619	569	79	97	SSE	2	SE	1	2	2	—	12.5	—	Cloudy.
30	29.99	30.03	70.6	64.7	53.6	76.0	3.3	2.4	614	525	82	86	SSE	1	S	1	7	4	5.50	5.3	—	Fine and warm. To ● showers.
M.	29.880	29.889	58.8	56.6	47.4	64.1	2.9	1.5	418	421	83	90		2.2		1.6	7.6	6.5	1.568	1.59	—	



DEERNESS, ORKNEY, a.b.—JULY 1908.

Long.  $2^{\circ} 45' \text{ W.}$  Lat.  $58^{\circ} 56' \text{ N.}$  Gravity Correction,  $+0.36 \text{ in.}$

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

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.						Humidity.						Wind Direction and Force (0-12) <i>or</i> <i>Velocity</i> (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.	Min.	Max.	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.	°	
2	30·19	30·18	51·0	53·3	48·8	54·8	0·2	0·6	.369	.390	97	96	SE	11	—	2	10≡	I	—	4·8	—	≡ till 11a.
3	.19	30·18	57·0	51·0	50·0	65·0	2·0	0·0	.405	.374	99	100	N	7	N	11	10≡	—	—	13·9	—	Very fine. ≡ from Sp.
4	.14	29·95	51·3	51·0	49·2	56·4	0·2	0·0	.372	.374	99	100	N	9	NNW	13	10≡	—	—	0·2	—	≡ most of day.
5	30·23	.93	53·0	50·0	49·0	57·0	0·2	0·0	.397	.286	99	80	N	9	NNE	10	10≡	10	.04	1·3	—	≡ till 11a.
6	29·92	.91	53·0	50·8	46·2	56·8	4·4	2·3	.290	.314	72	85	N	13	N	7	9	10	—	7·6	—	Dry and breezy. ∞
7	.87	.82	51·2	47·0	46·8	53·5	3·2	3·0	.297	.253	79	79	N	5	N	4	10	3	.05	—	—	Very fine.
8	.74	.72	51·0	49·0	43·2	54·5	1·9	2·6	.326	.285	87	82	NE	7	NE	6	9	8	—	.03	—	≡ p.
9	.65	.57	51·2	49·7	46·4	56·3	2·2	2·7	.320	.290	85	82	NE	4	—	2	5	5	—	.74	—	Very fine all day.
10	.56	.64	53·1	52·0	45·8	55·9	3·9	2·0	.303	.335	74	86	E	7	ENE	4	10	9	—	.67	—	Very fine.
11	.56	.39	53·8	53·1	50·7	56·8	1·0	0·1	.386	.401	93	99	E	14	E	15	10	10●	.04	0·1	—	Dull day.
12	.33	.31	51·8	51·1	50·2	53·8	0·4	0·7	.375	.357	97	95	NE	21	NE	17	10	10	.09	—	—	● at times.
13	.34	.49	52·2	50·1	49·0	54·6	1·5	1·8	.350	.316	90	87	N	17	NE	11	10	10	.03	.03	—	Cold and boisterous.
14	.57	.60	51·0	49·7	47·8	52·8	2·8	1·7	.304	.313	81	88	NE	17	N	14	10	10	—	—	—	Cold and breezy.
15	.55	.59	51·3	48·0	46·2	54·6	2·6	1·0	.313	.309	82	93	N	18	NNW	16	10	10●	.075	.08	—	Heavy clouds a. ● showers
16	.57	.55	49·2	48·7	46·0	53·6	2·2	2·5	.296	.284	85	82	NW	11	—	2	10	4	.10	.10	—	Fine p.
17	.39	.20	56·8	52·2	45·0	57·0	2·6	0·5	.386	.377	83	97	SE	12	SE	9	7	10●	.18	.31	—	Fine a. ● from 9p.
18	.17	.40	53·6	51·0	50·1	55·8	0·3	1·0	.344	.348	98	93	NE	22	N	27	10●	8	.13	—	—	● in past n.
19	.68	.91	51·1	49·7	49·7	55·0	1·1	2·3	.347	.300	92	85	N	21	N	10	10	10	—	.12	—	Dull, cold, and breezy.
20	.96	.88	50·0	50·3	46·0	53·0	2·0	1·0	.309	.339	86	93	—	3	S	5	10	10	—	.05	—	Fine, but cold.
21	.90	.94	54·0	52·0	49·3	57·6	3·5	1·7	.322	.343	77	88	W	18	W	12	9	10	—	.26	—	Dull, cold, and breezy.

DUNROBIN CASTLE, SUTHERLANDSHIRE, c.d.—JULY 1908.

Long. 3° 56' W. Lat. 57° 59' N. Gravity Correction, + .034 in.

[illegible]

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



## TILLYPRONIE, ABERDEENSHIRE.—JULY 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	hrs.	°	
1	ins.	ins.																	ins.	hrs.	°	Sunny and very warm. Dull and warm. T in distance Fresh breeze. Dull and cloudy. ∞° Cold wind. Dull, cloudy, and mild. Dull and cloudy. ° ● showers. Cool breeze. Dull. ° ☐ Close and warm. ° Dull and cloudy. ° Dull and cold. ° Dull and cloudy. Dull and close. ● Dull and close. ● Dull. ● showers. Sunny and warm. Sunny and warm. Close and warm. ☐ Close and sultry. Dull and warm. Dull α. Fine p. ∞ Dull α. Fine p. ∞ Dull and cloudy. Fresh breeze. Dull. Fresh breeze. Dull. Fresh breeze. Cold wind, dull, and cloudy.
2	29.16	29.15	66.3	62.8	44.8	68.3	7.8	5.3	39.0	40.3	57	61	SE	†	†	2	0	3	—	—	44	
3	29.12	29.01	69.5	54.1	52.8	72.5	5.5	1.4	51.2	37.9	71	90	N	4	NW	2	4	0	—	—	51	
4	28.88	28.88	53.8	48.5	47.3	62.0	1.6	3.5	36.9	25.9	88	76	N	4	N	4	2	8	—	—	50	
5	88	90	52.8	47.8	45.3	61.7	5.5	2.7	26.5	26.7	67	81	N	6	N	2	6	3	—	—	47	
6	85	79	55.3	51.0	38.7	65.3	1.4	2.2	39.7	31.8	90	85	NE	4	E	2	3	8	—	—	45	
7	73	70	47.0	46.1	44.7	52.0	0.7	0.8	30.6	29.3	95	94	E	4	NE	4	9	9	—	—	42	
8	62	52	47.0	48.3	44.8	52.5	1.2	1.5	29.3	30.1	92	90	SE	4	SE	4	8	9	—	—	37	
9	50	40	50.3	48.1	43.0	54.3	2.1	2.3	31.1	28.0	85	84	SE	4	SE	4	9	8	—	—	44	
10	48	29	48.0	52.8	43.9	53.1	0.7	0.8	31.7	37.7	95	94	SE	4	SE	6	10	10	—	—	43	
11	26	25	55.8	50.5	45.3	56.5	1.3	1.2	40.8	33.6	92	91	SE	4	NE	6	10	10	1.48	—	42	
12	30	30	52.8	47.6	47.5	62.3	0.8	1.1	37.7	30.3	94	93	N	6	NW	4	10	7	—	—	40	
13	50	57	49.3	46.0	44.8	51.5	0.6	0.7	33.6	29.4	96	95	NW	4	N	4	8	9	—	—	44	
14	54	64	48.6	48.1	44.5	54.2	2.8	0.6	27.6	32.1	81	96	N	4	N	4	8	8	—	—	44	
15	60	53	51.3	48.5	41.3	55.5	5.3	1.4	25.2	30.6	67	90	NW	4	N	2	6	7	—	—	42	
16	38	10	48.0	51.3	46.3	62.1	2.6	0.8	27.2	35.7	82	95	W	4	SE	8	7	10	—	—	40	
17	07	39	54.8	49.3	48.5	54.8	0.9	0.3	40.5	34.4	94	98	NE	4	E	6	10	10	—	—	45	
18	68	96	48.0	49.3	44.5	54.0	0.5	0.7	32.2	32.4	97	95	NE	6	N	6	10	7	—	—	48	
19	95	90	52.8	49.2	43.3	53.8	4.3	1.7	29.1	30.8	73	89	N	4	NW	2	3	8	—	—	43	
20	93	98	49.8	53.3	49.0	64.7	1.8	0.7	31.2	38.7	87	95	N	4	N	4	8	6	—	—	42	
21	95	86	55.5	61.1	45.6	75.8	3.5	1.6	34.4	48.6	78	90	N	4	NW	2	7	7	—	—	48	
22	80	75	66.3	57.3	53.3	69.8	7.3	1.7	40.3	41.8	63	89	W	6	S	4	6	8	—	—	42	
23	74	82	57.0	54.3	48.5	61.9	5.2	2.8	32.2	34.4	69	81	SW	4	SW	2	6	7	—	—	52	
24	82	71	57.0	57.3	49.0	62.4	3.5	2.3	36.4	40.1	78	85	SE	4	SE	4	8	9	—	—	47	
25	62	72	57.5	55.1	54.0	63.3	1.3	0.6	43.3	41.7	91	96	SW	4	W	4	8	10	—	—	48	
26	85	88	59.8	58.0	48.1	61.3	6.7	3.6	32.5	29.6	64	76	W	4	NW	2	7	8	—	—	54	
27	85	28.85	57.8	54.9	45.0	63.2	4.6	2.8	34.9	35.3	73	82	W	4	SW	4	5	7	—	—	43	
28	28.92	29.15	60.0	51.3	46.3	64.5	8.2	1.8	29.5	33.2	57	88	W	6	NW	6	4	0	—	—	44	
29	29.16	28.98	59.0	57.8	41.8	69.0	6.0	3.3	32.0	38.3	66	80	NW	4	SW	4	0	6	—	—	40	
30	28.93	29.00	51.6	50.5	50.5	63.2	7.4	4.3	33.5	27.7	61	73	W	6	NW	6	0	8	—	—	49	
31	28.92	28.99	52.8	49.3	47.0	60.3	4.5	2.9	28.6	28.2	72	80	NW	6	NW	6	8	9	—	—	45	
M.	28.748	28.756	55.4	52.0	46.6	61.5	3.6	2.0	34.8	33.9	79	87		4.5	4.0	6.6	7.3	4.86	—	45.2		

## LAUDALE, ARGYLESHIRE, a.—JULY 1908.

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	30.30	30.34	74.0	59.1	56.0	81.4	7.9	0.1	52.5	49.8	62	99	Calm	0	Calm	0	0	—	—	Very fine; after-glow till midt.	
2	35	32	72.1	61.1	51.0	79.1	7.2	1.1	51.0	50.1	65	93	Calm	0	Calm	0	0	—	—	Very fine; after-glow till midt.	
3	25	14	71.9	61.5	53.0	76.9	5.4	1.0	56.6	51.2	72	94	Calm	0	Calm	0	0	—	—	Very fine; after-glow till midt.	
4	05	00	68.2	58.9	55.0	74.4	4.1	1.4	53.5	45.3	78	92	NW	4	Calm	0	5	—	—	Very fine.	
5	30.02	30.02	61.9	56.7	53.2	70.9	3.2	2.4	45.0	38.9	81	85	Calm	0	Calm	0	10	—	—	Very fine.	
6	29.99	29.96	59.5	55.1	49.9	63.0	3.5	1.1	40.1	40.2	79	92	NW	1	W	1	10	—	—	Dull all day.	
7	88	83	55.1	53.0	51.7	62.5	2.1	0.9	37.4	37.7	86	94	N	1	Calm	0	10	—	—	Dull day.	
8	71	60	59.7	54.7	43.0	61.9	5.8	2.7	34.6	35.2	68	82	S	5	S	3	10	—	—	☐ in afternoon.	
9	65	67	53.0	57.4	51.0	61.9	0.5	3.4	38.9	37.3	97	79	S	3	S	4	10	—	—	Dull. ∞ all day.	
10	47	32	55.2	55.7	53.3	62.3	2.1	0.0	37.6	44.4	87	100	S	6	S	1	10	—	—	● showers.	
11	38	38	58.9	55.7	55.0	63.2	1.0	0.0	46.5	44.4	94	100	Calm	0	S	1	10	—	—	● showers. ● p.	
12	46	57	57.0	56.6	52.7	65.5	2.0	3.5	40.5	36.0	87	78	S	2	S	4	7	—	—	Fine afternoon.	
13	62	69	56.1	55.0	50.9	61.9	2.2	2.8	38.7	35.4	85	82	S	3	S	1	10	—	—	Dull and cloudy all day.	
14	73	80	55.1	51.2	50.2	61.7	3.9	2.2	32.9	32.0	75	85	Calm	0	SW	2	10	—	—	Fine all day.	
15	77	52	54.9	53.1	43.5	59.9	5.4	2.1	29.2	34.6	68	85	SW	1	S	6	10	—	—	Dull p.	
16	50	18	56.1	56.1	51.9	57.2	2.1	1.1	39.0	41.8	86	92	S	4	S	4	10	—	—	Cold ● showers.	
17	26	29.61	56.0	54.1	53.0	58.9	0.4	1.1	43.7	38.7	97	92	N	2	N	6	10	—	—	Cold ● showers.	
18	29.89	30.11	57.2	49.9	49.9	63.1	3.4	1.7	37.0	31.5	79	88	N	2	N	1	4	—	—	Fine day.	
19	30.14	30.14	57.5	54.1	40.0	60.1	4.0	0.1	35.9	41.6	76	99	NW	2	S	1	10	—	—	Calm and damp.	
20	19	21	55.8	53.2	51.0	59.9	2.6	1.0	37.3	37.7	83	93	N	4	N	1	10	—	—	Overcast and cold.	
21	30.17	30.01	57.1	50.1	50.1	60.2	2.0	1.0	40.7	43.6	87	93	S	3	W	1	10	—	—	Fair, but cloudy.	
22	29.93	29.89	61.1	54.2	52.1	63.2	1.9	1.2	47.6	38.5	88	92	S	1	SW	1	10	—	—	Damp and misty.	
23	90	97	56.5	56.5	52.1	62.1	0.5	2.5	44.1	38.4	96	84	S	2	S	1	10	—	—	Dull and cloudy.	
24	91	75	60.0	60.1	53.0	63.2	3.0	1.9	42.3	45.8	82	88	S	5	S	5	10	—	—	Misty, with ●.	
25	29.74	29.87	60.9	53.5	52.7	63.3	1.0	0.8	50.1	38.7	94	94	W	1	NW	1	10	—	—	Dull and misty a. Fine p.	
26	30.02	30.03	59.5	54.5	49.0	60.1	4.4	2.5	37.7	35.4	74	83	S	2	S	2	10	—	—	Misty, with ● showers.	
27	29.95	30.02	58.0	56.3	52.0	67.2	1.9	2.1	42.4	39.3	88	86	S	2	W	1	10	—	—	Fine day	
28	30.15	30.15	57.2	55.2	52.0	59.9	2.1	2.7	39.1	36.0	87	83	W	5	W	3	10	—	—	Fine day.	
29	35	17	60.2	59.6	48.2	63.2	4.7	1.1	38.0	47.6	73	93	S	6	SW	3	5	—	—	Dull a. Misty, with ● p.	
30	18	16	58.0	53.2	51.0	61.1	5.0	1.2	34.2	37.1	71	92	W	5	NW	5	10	—	—	Misty, with ● showers.	
31	30.19	30.24	59.2	53.2	49.2	61.0	5.9	1.0	33.5	37.7	67	93	N	5	N	4	10	—	—	Cold, with ● showers.	
M.	29.905	29.897	59.4	55.7	50.9	64.2	3.3	1.5	41.2	40.1	81	90		2.6		2.0	8.3	8.3	5.19	—	—

† Beaufort Scale (0—12).

## DUNDEE, FORFARSHIRE, c.d.—JULY 1908.

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.		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.								Velocity													
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	Temp. on Grass.												
1	ins.	ins.	64.4	57.0	48.6	69.9	0.4	2.4	.590	.394	98	85	SE	†	1	NE	†	1	7	7	ins.	hrs.	—	—	—	—	—	—	Fine.			
2	30.21	30.20	64.4	57.0	48.6	69.9	0.4	2.4	.590	.394	98	85	SE	1	SE	1	SE	1	7	10	—	—	—	—	—	—	—	—	Fine to 2p. T° in N. 2p.			
3	19	08	75.0	58.0	51.9	78.0	10.2	1.8	.473	.427	54	88	SE	1	SE	1	SE	1	7	10	—	—	—	—	—	—	—	—	Fine to 1p., then dull.			
4	30.11	30.03	69.5	55.0	51.9	71.4	7.0	1.8	.466	.381	64	88	SE	1	SE	1	SE	1	10	10	0.02	—	—	—	—	—	—	—	—	● n. Dull.		
5	29.92	29.90	55.3	54.8	54.4	59.7	1.3	2.0	.399	.373	91	88	SE	1	SE	1	SE	1	10	10	0.02	—	—	—	—	—	—	—	—	● n. Dull to 1p., then fine.		
6	01	52	52.5	50.6	50.0	61.0	2.3	2.6	.333	.303	84	84	SE	1	NE	1	NE	1	10	10	—	—	—	—	—	—	—	—	—	● n. Dull to 1p., then fine.		
7	88	79	56.2	53.0	44.0	65.2	4.3	2.2	.335	.342	74	85	SE	1	E	2	E	2	10	10	0.04	—	—	—	—	—	—	—	—	Cloud and sunshine.		
8	74	70	51.0	53.0	49.6	57.6	1.8	2.8	.328	.327	87	81	E	2	SE	1	E	1	10	10	—	—	—	—	—	—	—	—	—	● till 7a. Dull.		
9	64	48	53.6	50.0	47.9	57.9	2.8	1.0	.335	.334	81	93	SE	2	E	3	E	3	10	10	—	—	—	—	—	—	—	—	—	Dull. ● from 4p.		
10	51	71	54.0	52.9	47.5	60.0	2.2	1.7	.355	.353	85	88	NE	2	SE	1	SE	1	10	10	—	—	—	—	—	—	—	—	—	● till 6.30a. Dull.		
11	46	37	53.7	56.0	48.4	58.7	1.4	1.3	.373	.411	90	91	SE	3	SW	2	SE	2	10	10	0.28	—	—	—	—	—	—	—	—	—	● showers from 9a. Dull.	
12	29	24	57.6	57.0	53.5	61.6	1.5	1.8	.429	.411	90	88	SW	1	SW	2	SW	2	10	10	0.02	—	—	—	—	—	—	—	—	—	Dull. ● from 8.30p.	
13	30	44	62.5	52.9	52.2	71.0	5.3	1.5	.399	.359	70	90	NW	2	E	2	E	2	10	10	0.15	—	—	—	—	—	—	—	—	—	Cloud and sunshine to 1p. ●	
14	50	55	54.0	51.2	51.0	58.2	2.2	2.3	.352	.319	84	84	NE	3	NE	4	NE	4	10	10	—	—	—	—	—	—	—	—	—	—	Dull.	
15	56	63	64.0	53.7	47.0	58.7	0.4	3.5	.406	.319	97	77	NW	1	NE	1	NE	1	10	10	—	—	—	—	—	—	—	—	—	—	Dull.	
16	03	54	52.7	54.0	49.7	60.0	2.7	2.6	.326	.344	82	82	SW	1	SW	2	SW	2	10	10	0.08	—	—	—	—	—	—	—	—	—	Dull. ● from 8.30p.	
17	02	11	56.0	54.0	51.8	61.0	1.2	0.2	.413	.412	92	99	SW	1	SE	4	SE	4	10	10	0.31	—	—	—	—	—	—	—	—	—	● n. and from 1p.	
18	27	58	58.6	55.0	54.0	62.5	1.8	3.0	.437	.349	89	81	NW	1	NE	5	NW	5	10	10	0.21	—	—	—	—	—	—	—	—	—	● n. and 1.30p.—6p.	
19	29.63	29.93	59.8	55.5	43.0	67.6	4.9	1.7	.369	.392	72	89	SW	2	SE	1	SE	1	10	10	—	—	—	—	—	—	—	—	—	—	Cloudy. to 2p.	
20	30.02	29.93	59.8	55.5	43.0	67.6	4.9	1.7	.369	.392	72	89	SW	2	SE	1	SE	1	10	10	—	—	—	—	—	—	—	—	—	—	Cloud and sunshine. Dull from	
21	29.94	30.00	62.9	54.9	53.8	67.4	5.0	2.0	.413	.375	72	87	SW	1	E	1	E	1	5	7	—	—	—	—	—	—	—	—	—	—	Fine, with a little cloud. [3p.	
22	01	59	59.0	59.4	64.6	48.0	76.2	4.4	3.8	.376	.478	74	79	SW	2	W	1	W	1	10	10	—	—	—	—	—	—	—	—	—	Dull to 10a. Fine.	
23	83	77	70.5	60.8	52.0	75.4	7.2	4.2	.479	.402	64	77	SW	3	SW	2	SW	2	7	10	0.02	—	—	—	—	—	—	—	—	—	Dull from 11.30a. ● showers	
24	81	64	60.6	59.2	56.2	70.0	4.4	3.2	.394	.405	75	81	SW	3	SW	1	SW	1	10	10	—	—	—	—	—	—	—	—	—	—	[noon—2p.	
25	85	72	62.6	60.0	54.8	65.2	4.4	3.5	.427	.382	75	74	SW	1	SW	1	SW	1	10	10	0.12	—	—	—	—	—	—	—	—	—	Dull.	
26	64	70	59.0	59.2	56.7	65.0	0.5	0.3	.484	.496	97	98	SW	1	SW	1	SW	1	10	10	0.29	—	—	—	—	—	—	—	—	—	● to 9a. and from 2p.	
27	89	91	60.8	57.0	50.6	65.8	4.2	3.0	.402	.377	77	81	SE	2	SW	1	SE	1	5	10	—	—	—	—	—	—	—	—	—	—	Cloudy to 1p., then dull.	
28	29.88	29.88	59.9	60.8	56.6	65.8	3.9	4.1	.396	.405	77	77	SW	1	SW	4	SW	4	5	10	0.02	—	—	—	—	—	—	—	—	—	—	Cloudy. ● showers.
29	30.15	30.15	63.0	55.0	52.0	68.0	5.4	4.0	.403	.325	70	75	SW	4	NW	3	SW	3	5	10	—	—	—	—	—	—	—	—	—	—	Cloud and sunshine.	
30	29.23	30.06	63.2	58.9	45.0	72.0	0.2	2.7	.385	.414	66	83	SW	2	SW	4	SW	4	5	10	—	—	—	—	—	—	—	—	—	—	Cloudy. Dull from 3p.	
31	29.98	29.95	64.0	55.2	55.0	67.0	6.2	3.3	.397	.345	66	79	SW	5	SW	5	SW	5	5	10	—	—	—	—	—	—	—	—	—	—	—	Cloud and sunshine.
	30.08	30.03	57.5	54.5	50.9	64.6	5.3	4.7	.327	.304	69	72	W	5	NW	4	W	4	5	5	—	—	—	—	—	—	—	—	—	—	—	Cloud and sunshine.
M.	29.775	29.765	59.3	55.7	51.0	65.3	3.7	2.5	.398	.374	79	84	2.1	2.1	8.3	9.1	1.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—JULY 1908.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	° 03	° 54	° 46	° 68	° 6	° 1	in. .387	in. .388	% 67	% 93	S †	†	0	1	0	ins.	hrs.	° 38	Fine and bright.	
2	30.03	30.00	63	55	50	75	5	2	.414	.375	72	87	Calm	0 W	1	1	1	—	13.5	38	Fine and bright.	
3	29.92	29.97	61	53	53	65	4	1	.410	.374	77	93	NW	2 W	2	7	2	—	14.5	39	Fine and bright.	
4	74	80	56	57	51	61	2	4	.391	.351	87	75	SE	1 E	3	10	3	—	6.5	45	Fine and dry.	
5	78	79	58	53	44	58	5	3	.342	.322	71	80	E	1 Calm	0	9	8	—	0.2	41	Dull and cloudy.	
6	70	64	55	52	50	58	3	1	.349	.361	81	93	SE	2 SE	1	8	10	—	1.2	35	Fine, but dull.	
7	54	52	57	53	51	57	3	1	.377	.374	81	93	Calm	0 Calm	0	10	10	—	—	45	Cloudy.	
8	44	36	57	52	46	57	3	0	.377	.388	81	100	SE	5 SE	1	9	10	—	—	47	Cloudy.	
9	24	42	55	54	52	57	0	1	.433	.388	100	93	NW	6 W	1	10	9	°50	—	—	—	
10	28	16	54	58	50	67	0	4	.418	.367	100	76	SE	3 SW	5	10	9	°63	1	6	40	Dull. ● in afternoon.
11	18	10	58	55	55	62	3	0	.393	.433	81	100	W	3 W	1	8	10	°70	0	3	44	Dull.
12	17	23	62	56	50	65	5	2	.399	.391	72	87	W	5 NW	1	6	7	°30	3	4	44	Dull and damp.
13	28	32	56	52	52	60	2	0	.391	.388	87	100	NW	1 SE	4	10	10	°80	0	8	47	Dull and damp.
14	37	45	53	49	48	57	4	1	.299	.322	74	93	N	2 Calm	0	10	7	°70	1	2	49	Dull. Damp evening.
15	46	29.44	54	54	45	61	4	5	.310	.288	74	93	SW	3 SW	2	9	7	—	0.5	41	—	Fine.
16	29.26	28.96	59	57	49	63	5	1	.354	.434	71	93	W	5 SW	3	9	8	°10	5	2	34	Fine and dry.
17	28.84	29.03	61	55	54	63	4	1	.410	.403	77	93	NW	3 NW	5	8	10	°20	2	5	35	Dull. ● in afternoon.
18	29.37	71	52	51	50	55	0	2	.388	.323	100	86	NW	8 NW	9	10	10	°30	1	3	44	Dull. R●
19	82	77	53	51	48	60	3	1	.322	.348	80	93	NW	4 S	1	9	8	°10	0	50	—	Dull.
20	77	84	59	53	51	62	4	2	.380	.347	76	86	SE	1 S	1	9	9	—	6.0	42	—	Fine and dry.
21	82	76	60	58	45	72	5	6	.369	.318	71	66	S	2 NW	1	2	2	—	4.5	45	—	Fine and dry.
22	71	64	68	62	52	75	11	4	.339	.427	49	77	S	2 NW	2	2	7	—	14.2	39	—	Fine and bright.
23	68	70	63	57	52	69	8	4	.337	.351	59	75	NW	3 NW	2	4	4	—	9.5	45	—	Fine and bright.
24	70	59	62	62	48	66	5	5	.399	.399	72	72	S	2 Calm	0	9	8	°30	1	5	41	Fine.
25	32	52	61	62	58	65	0	2	.537	.487	100	88	SE	2 S	2	10	8	°50	0	4	50	Dull and damp.
26	73	76	62	53	50	63	7	0	.347	.403	62	100	NW	2 SE	1	4	8	—	6.3	41	—	Fine. Damp n.
27	75	29.72	58	64	49	67	4	2	.367	.525	76	88	Calm	0 W	4	8	8	—	4.5	41	—	Fine.
28	29.89	30.02	61	52	49	67	5	2	.383	.335	72	86	SW	5 NW	2	4	2	—	12.0	41	—	Fine.
29	30.08	30.04	59	60	44	68	7	6	.308	.344	61	66	NW	1 NW	5	1	8	—	12.0	34	—	Fine and bright.
30	29.86	29.84	63	56	54	70	3	4	.474	.340	82	75	W	7 W	4	7	8	—	3.2	44	—	Fine, dry, and windy.
31	29.85	29.89	60	49	48	64	8	3	.299	.276	58	79	NW	7 NW	7	2	6	—	7.7	38	—	Fine, dry, and windy.
M.	29.607	29.605	58.8	55.1	49.8	63.8	4.1	2.3	.378	.373	76	86	2.9	2.3	7.0	7.0	27.20	150	42.0			

## DOUGLAS, ISLE OF MAN, a.—JULY 1908.

Height above Mean Sea Level, 277 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 28' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

1	30.06	30.06	64.0	60.5	55.0	74.0	6.5	3.0	390	431	65	82	E	4	ESE	1	1	8.0	—	14.6	51	Very fine.	
2	30.07	30.01	66.8	66.5	56.6	79.4	7.7	7.7	458	397	70	61	ESE	1	Calm	0	4	1	—	14.1	51	T. Very fine.	
3	29.93	29.85	70.5	64.5	56.6	76.4	7.0	4.5	485	454	65	75	E	2	ENE	3	0	0	—	13.2	53	Very fine.	
4	77	74	57.0	56.1	55.9	75.9	3.4	4.7	427	383	80	73	ESE	3	E	2	10	8	—	3.1	51	Cloudy.	
5	75	74	57.0	56.6	62.8	1.6	1.2	426	428	89	92	ESE	3	NE	2	10	10	—	—	—	52	Overcast.	
6	74	72	55.0	53.0	53.0	62.0	0.9	2.4	406	337	94	84	SE	1	WNW	2	10	6	—	1.5	53	Dull.	
7	64	62	53.0	50.5	48.8	60.0	4.0	2.5	299	304	74	83	NNW	3	SW	2	7	1.0	345	10.5	45	Fine.	
8	40	30	58.8	53.0	48.1	59.7	0.0	0.8	496	380	100	94	SE	6	SE	6	100 <sup>≡2</sup>	10	520	—	53	6a. Overcast, with .	
9	42	45	58.8	53.2	48.1	61.3	3.2	0.7	388	386	80	96	W	6	SSW	2	8	2	535	7.8	55	Fine. .n.	
10	24	21	57.8	55.8	52.6	59.0	1.7	1.8	427	393	89	88	S	6	SW	6	10	9	—	4.0	51	6a. Dull.	
11	28	23	56.1	53.0	51.8	59.0	1.7	0.7	401	383	88	95	SSW	5-6	WSW	4-5	10	2	144	0.2	52	Overcast. . in afternoon.	
12	26	30	54.0	52.0	51.7	59.5	1.0	0.5	388	375	93	97	SW	5	SSW	2	10	7.0	—	2.6	48	Overcast and cloudy.	
13	33	40	55.5	54.0	51.5	61.3	1.3	0.4	403	406	91	97	SE	3	WNW	2	10	9	070	1.6	54	a. Dull, with . showers.	
14	45	55	58.0	52.0	51.9	60.5	3.8	3.0	372	410	77	80	ENE	3	WNW	5	9	10	—	1.2	50	Dull.	
15	58	43	54.4	53.8	45.1	57.9	6.0	0.0	272	415	64	100	SW	5	SW	6	10	100	407	2.1	39	Cloudy. . from 3p.	
16	29.37	29.37	54.5	55.2	52.8	59.8	1.0	1.0	396	407	94	93	SSW	4	W	6	10	7	725	0.4	51	Dull, with . showers. K.	
17	28.98	28.98	54.1	54.0	53.9	59.8	1.8	1.2	413	382	88	92	NW	4-5	NW	7	7	7	—	7.8	51	Fine.	
18	29.55	29.55	54.0	53.5	52.0	60.0	3.0	2.5	334	340	80	83	NW	7	WSW	6	10	7	—	6.4	50	Cloudy.	
19	90	88	55.0	54.8	50.3	60.8	2.0	4.0	375	409	87	98	WNW	4	W	3	10	100	033	4.0	46	Cloudy. . from 7p.	
20	90	95	54.7	53.8	50.3	58.5	2.3	3.0	363	322	85	80	N	4-5	WNW	0	8	4	—	7.8	51	a. Fine.	
21	94	86	59.0	54.0	50.3	61.7	4.0	2.8	380	351	76	82	SE	3	WNW	1	1	1	—	14.8	46	Very fine.	
22	81	73	56.4	55.0	52.1	57.5	1.3	0.3	416	424	92	98	SSW	4	WSW	3	10	100	015	—	46	Overcast. . 8.45p.	
23	78	79	58.7	53.5	53.1	69.3	3.8	0.5	381	395	77	96	SSW	5	SW	2	6	7	—	8.6	45	Fine.	
24	75	62	56.7	57.0	53.2	61.1	1.7	1.0	409	434	89	93	SE	4	S	5-6	10	100	800	0.1	49	Overcast. . from 5p.	
25	60	69	57.0	54.2	53.0	61.5	0.2	4.2	450	308	99	73	S	4	NW	3	100	8	214	0.8	53	Misty, with .	
26	82	83	57.0	54.0	50.8	58.8	3.8	2.0	356	360	76	86	SW	3	SSW	3	10	6.0	045	1.0	48	Dull. .n.	
27	79	29.84	55.8	52.5	52.0	58.5	0.7	0.0	425	396	95	100	S	2	S	2	100 <sup>0</sup>	1	—	0.1	48	a. Overcast and misty.	
28	29.99	30.15	57.9	52.0	50.5	63.0	3.3	2.3	385	328	80	84	W	4-5	NW	2	8.0	4	—	12.2	47	Fine. .p.	
29	30.18	30.10	59.4	56.0	50.5	63.2	5.4	2.9	350	368	69	82	SSW	3	SSW	2	2	8	025	11.4	41	a. Fine. . showers n.	
30	01	29.99	56.5	56.0	54.0	68.8	1.0	3.5	494	353	94	78	W	5-6	NW	9	9	9	—	6.2	51	Fine.	
31	30.04	30.05	57.2	53.0	52.0	61.5	5.0	2.7	330	330	70	82	WNW	6	WNW	3	4	3	—	13.2	50	Very fine. .p.	
M.	29.687	29.682	57.8	55.1	52.0	63.0	2.8	2.1	397	377	83	87	4.1	3.4	7.9	6.3	3.878	171	49.4				

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—JULY 1908.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.023 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	9 a.m.	9 p.m.
1	ins.	ins.																ins.	hrs.			
29.98	29.97	67.0	67.1	51.3	77.4	9.0	9.3	.372	.366	56	55	NNE	5	—	3	2	2	—	14.3	46	Very fine and sunny.	
2	.97	.92	72.0	70.7	50.8	10.0	8.2	.426	.454	54	60	NE	2	—	3	2	0	—	13.8	44	Fine and sunny.	
3	.87	.78	69.0	63.3	58.6	7.5	4.7	.446	.403	02	69	ENE	4	—	3	0	3	—	11.2	51	Fine and sunny. ☞ 9.30p.	
4	.69	.67	61.8	60.0	50.8	68.7	4.8	.37	.401	.403	73	78	—	4	—	3	10	—	4.2	46	Fine.	
5	.68	.66	60.0	59.0	53.3	65.5	4.2	4.0	.390	.380	75	76	—	3	NE	4	10	10	.076	0.1	48	Overcast and gloomy.
6	.63	.63	54.0	56.0	50.5	59.6	2.0	1.8	.360	.397	86	88	—	3	—	2	10	100	.032	—	48	Overcast, with ☉.
7	.51	.54	63.0	51.5	49.1	63.0	7.6	3.5	.347	.293	61	77	WSW	5	W	4	8	0	.180	6.9	42	T. ☉ a. ☉ showers
8	.40	.24	51.6	55.0	43.1	58.9	1.6	1.7	.340	.383	89	89	—	2	SW	8	100	0	.724	—	35	Misty, with ☉.
9	.33	.43	55.8	59.3	52.8	62.4	2.4	2.6	.378	.379	84	83	W	15	—	1	100	8	.692	6.1	49	☉ showers. ☞ 6p.
10	.23	.20	62.6	59.0	53.7	66.9	1.6	5.2	.512	.349	90	70	S	12	SW	15	9	9	.067	3.8	46	Misty, with ☉ a.
11	.25	.17	60.3	53.0	52.3	61.7	6.1	1.5	.346	.361	66	90	SW	12	WSW	7	8	10	.458	3.0	49	☉ 5.30p.
12	.22	.23	59.7	50.4	50.4	63.9	4.7	3.4	.372	.359	72	79	WSW	9	—	2	2	5	—	5.6	47	☉ 11.30a. Cloudy.
13	.23	.29	62.4	57.2	45.1	65.1	6.0	1.9	.379	.412	67	88	—	2	—	3	4	9	.913	8.6	38	Fine and sunny. ☉ 11p.—midn.
14	.35	.44	54.2	56.2	51.9	61.9	2.2	3.7	.358	.350	85	77	—	2	W	4	10	9	.020	2.1	49	Cloudy. ☞ 5p.
15	.51	.29	45.5	53.0	51.3	59.4	6.4	2.0	.279	.347	63	86	SW	9	SSW	7	10	100	.352	5.5	45	Unusual visibility a. ☉p.
16	29.33	28.96	57.2	59.7	51.9	59.7	2.9	2.1	.383	.446	82	88	WSW	5	SW	12	10	10	.801	—	49	Gloomy and damp.
17	28.88	29.05	58.0	58.0	54.3	62.9	2.0	2.4	.421	.410	87	85	WSW	7	NW	8	9	100	.198	5.2	52	Fine. ☞ ☉n.
18	29.37	.68	55.5	55.7	54.3	62.7	3.3	4.0	.349	.336	79	75	NNW	5	NNE	5	10	7	—	2.6	51	Fine.
19	.80	.60	61.5	57.7	50.3	65.8	6.0	2.4	.365	.376	67	85	—	2	SW	4	7	5	—	13.1	42	Fine and sunny.
20	.77	.82	60.0	55.7	54.7	67.0	4.0	2.0	.395	.388	76	87	N	4	W	4	10	1	—	7.1	48	Cloudy.
21	.85	.79	60.0	57.2	50.3	65.5	4.4	5.2	.385	.325	74	69	WSW	5	—	2	5	—	11.4	43	Fine and sunny.	
22	.72	.69	65.4	58.0	48.9	70.5	5.1	2.5	.451	.407	73	84	—	1	—	2	0	3	.030	9.8	40	Fine.
23	.71	.73	61.4	58.0	55.5	67.6	2.9	3.0	.450	.393	83	81	SW	6	—	1	9	4	—	5.2	43	Fine.
24	.68	.57	63.0	63.0	54.3	69.9	5.0	3.5	.414	.459	72	80	S	12	—	2	8	8	.160	2.6	45	☉ 5.45a. Fine.
25	.54	.60	60.6	59.0	57.9	65.5	1.4	1.5	.483	.452	91	91	—	3	W	6	100	100	.788	0.8	53	☉ 10a.—4.30p.
26	.75	.79	60.5	54.5	50.5	63.9	4.0	2.5	.403	.354	77	83	—	3	—	1	10	4	—	2.4	42	Cloudy.
27	.76	29.78	62.0	59.5	50.8	67.5	5.0	1.4	.399	.403	72	92	—	2	—	0	7	8	—	3.9	42	Fine. ☉ 5p.
28	29.88	30.03	63.0	57.0	56.1	64.0	5.5	3.6	.401	.361	70	77	W	7	NW	7	7	3	—	10.8	44	Fine and sunny.
29	30.10	30.04	61.4	57.2	46.3	66.7	6.0	3.2	.364	.375	67	80	—	3	—	1	3	4	.005	13.7	34	Sunny 5a.—7p.
30	29.95	29.89	60.6	61.0	62.4	62.8	2.4	3.3	.451	.430	85	81	WSW	8	—	2	10	10	.128	—	44	☉ 10a.—3p.
31	29.94	29.94	57.5	55.5	51.9	61.0	5.9	3.1	.314	.354	66	80	NW	7	—	2	10	7	—	7.8	42	Fine.
M.	29.610	29.606	60.5	58.0	51.8	65.7	4.6	3.4	.391	.386	74	80		5		4	7.4	6.3	5.624	182	45.1	



## SHREWSBURY, SHROPSHIRE.—JULY 1908.

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.		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.	Min.	Max.	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.	64.9	64.0	48.7	78.7	5.6	2.8	in.	in.	%	%	E	†	E	†	ins.	hrs.	°	Very hot and close.
2	30.12	30.11	64.9	64.0	48.7	78.7	5.6	2.8	.428	.499	70	83	E	1-2	E	1	—	—	49	Sunny and very close.
3	30.14	30.07	69.1	65.1	45.8	82.2	8.0	4.0	.431	.480	60	78	E	2	E	1	4	0	—	Sunny and very hot.
4	30.01	29.91	72.0	64.6	48.8	85.7	8.9	1.8	.457	.544	57	89	SE	2	SE	1	3	5	—	Sunny day.
5	29.85	.81	60.1	59.6	55.2	69.7	1.6	1.6	.468	.459	90	90	SE	3-4	SE	2	10	10	—	Sunny day.
6	.83	78	59.6	63.4	52.6	69.8	2.4	2.6	.434	.495	85	85	SE	4	SE	6-7	10	7	—	Sunny day.
7	.80	79	63.0	58.3	53.2	67.8	5.0	3.1	.414	.395	72	80	NW	2-3	NW	1-2	7	10	—	Cloudy. Sunny intervals.
8	.71	71	61.0	53.8	43.5	66.1	3.7	2.5	.419	.345	79	83	NW	4-5	S	1-2	10	10	—	Cloudy. n.
9	.55	44	57.4	55.6	46.3	61.8	0.4	1.4	.459	.402	97	90	SE	2-3	W	4-5	10	10	—	● from 2a., and all day.
10	.55	.59	59.0	54.0	52.4	66.8	3.4	0.0	.396	.418	80	100	W	5	SE	2-3	10	10	—	● early a. ● from 6.30p.
11	.42	44	65.0	59.0	53.0	69.3	1.8	2.7	.551	.416	89	84	SW	6	SW	5-6	10	10	—	● early a. Bright intervals.
12	.45	.38	57.5	53.0	53.0	63.7	1.5	0.6	.427	.386	90	96	SW	3-4	W	4	10	9	—	● showers.
13	.39	40	63.3	53.3	47.7	65.2	5.6	1.7	.403	.359	70	88	SW	3-4	SW	2	6	4	—	Sunny and warm. Cold p.
14	.40	48	58.4	55.7	44.0	68.0	3.6	1.4	.383	.404	78	91	NW	2-3	SW	1-2	6	5	—	Sunny day.
15	.53	62	59.9	54.3	52.2	68.8	4.9	0.8	.370	.399	71	95	NW	5-6	NW	2-3	6	10	—	Sunny and close. ● 6p.
16	.69	64	56.7	54.2	53.1	65.2	3.4	1.2	.363	.385	79	92	NE	2	SE	4	3	10	—	● showers.
17	.53	.23	61.5	60.5	54.2	63.0	3.3	1.5	.439	.477	80	91	W	6-7	SW	4-5	10	10	—	● showers.
18	.10	.25	57.8	57.0	54.9	64.0	1.6	2.3	.430	.397	89	85	W	6-7	W	6-7	10	10	—	Overcast and cloudy. n.
19	.51	.79	55.4	58.0	53.8	62.3	1.4	3.0	.398	.393	91	81	NW	6-7	NW	5-6	10	10	—	Overcast and cloudy.
20	.94	29.95	57.2	56.0	51.6	68.6	5.6	2.0	.316	.391	67	87	NNW	3	Calms	0	4	4	—	Sunny day.
21	29.94	30.00	58.9	53.5	53.0	65.8	1.4	0.7	.453	.390	92	95	NW	3	NW	1	10	3	—	Fine.
22	30.02	29.95	59.0	60.0	41.9	73.0	4.0	0.0	.380	.518	76	100	NW	1	Calms	0	3	0	—	Bright and sunny.
23	.90	.86	62.0	59.9	47.7	75.0	3.0	1.9	.456	.454	82	89	NW	1-2	WNW	1	6	2	—	Sunny day.
24	.89	.88	62.3	62.0	54.4	71.7	3.0	2.0	.461	.487	82	88	WSW	2-3	SW	1	10	2	—	Cloudy and very close.
25	.87	.75	63.0	63.3	51.1	73.0	3.0	2.0	.474	.512	82	88	SSW	3	SSW	2	10	9	—	Cloudy and very close.
26	.71	.78	59.9	59.0	58.9	72.0	0.9	1.0	.486	.467	95	94	SSE	2	SW	3-4	10	2	—	● a. and p.
27	.90	.93	63.0	58.2	50.7	70.0	3.5	2.6	.459	.407	80	84	SW	3-4	SW	1	8	8	—	Sunny and very close.
28	29.94	29.92	61.5	61.6	52.8	68.9	5.0	1.6	.391	.493	72	90	SW	2	SW	1	6	8	—	Very close all day.
29	30.05	30.19	63.0	56.5	50.5	69.1	4.5	2.1	.429	.395	75	86	NW	3	NW	1	3	4	—	Sunny day.
30	.26	.19	61.2	63.0	44.8	74.0	4.6	4.0	.397	.443	74	77	NNW	1	NNW	1	1	0	—	Sunny and very close.
31	.14	.07	64.0	62.9	54.6	76.0	4.0	1.5	.461	.521	77	91	W	3	NW	3-4	7	8	—	Cloudy and very close.
31	30.10	30.12	59.8	52.0	52.0	67.7	4.9	0.0	.369	.388	72	100	NW	3-4	SE	1	6	0	—	Sunny day.
M.	29.782	29.774	61.2	58.4	50.9	69.8	3.7	1.8	.426	.436	79	89	3.3	2.4	7.1	6.3	2.49	—	47.2	

## CAMBRIDGE, a.—JULY 1908.

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	30.27	30.29	67.1	63.9	48.9	80.8	7.9	6.0	401	401	61	68	NE	†	N	†	—	13.2	—	Fine and sunny.				
2	30.20	30.24	65.1	60.4	48.8	79.8	6.9	9.8	395	344	64	53	N	4	N	5	3	12.5	—	Fine and sunny.				
3	30.20	30.11	69.8	57.8	48.0	75.0	10.2	0.8	385	454	53	94	N	3	NE	5	7	12.2	—	Sunny till 5p. <sup>W</sup> K 7p.				
4	30.05	30.01	57.2	57.9	54.5	64.4	2.2	1.4	403	438	86	92	SE	1	NE	2	10	1.0	—	Overcast. K 3p.				
5	30.04	30.02	62.5	58.8	51.4	71.9	6.5	4.8	366	357	65	72	N	4	SE	5	4	—	—	Fine till 4p.				
6	30.00	29.93	62.7	63.0	54.4	74.9	6.3	4.0	375	443	66	77	S	4	N	4	10	—	—	Overcast a.				
7	29.89	29.87	64.0	54.3	54.3	71.5	6.9	1.5	379	379	63	90	W	3	Calms	0	7	—	—	Fine and sunny.				
8	29.83	29.66	59.5	57.9	42.0	65.4	1.5	0.7	460	458	91	95	SE	2	S	5	9	19	1.5	● 2p.-4p. —				
9	29.73	29.85	59.5	59.5	53.9	68.8	4.5	4.5	374	374	73	73	W	7	SW	7	10	10.0	4.5	5.0	● 3a.			
10	29.73	29.70	65.0	60.2	53.0	66.9	2.5	1.9	527	460	86	89	SW	7	SW	5	10	9	0.1	1.6	● in past n.			
11	29.69	29.58	66.1	61.5	57.0	71.8	5.4	0.5	454	528	72	97	S	6	SW	6	8	10.0	0.8	4.8	Sunny intervals.			
12	29.60	29.52	62.5	62.8	51.5	70.0	6.6	2.5	365	487	65	85	SW	2	Calms	0	5	10	4.7	6.1	Sunny a.			
13	29.52	29.63	57.0	57.0	56.0	63.0	0.5	1.0	450	434	97	93	NW	3	Calms	0	10.0	10	1.7	—	—	● 3a.-5a. and 7a.-3p.		
14	29.72	29.78	58.1	55.0	53.7	65.5	2.3	1.1	440	400	85	92	SW	3	W	2	9	10	1.1	1.3	—	● 6a. K 1p.		
15	29.87	29.89	57.5	57.0	51.0	68.2	2.7	5.0	394	327	83	70	W	2	SW	3	10	9	2.6	3.5	—	Sunny from 10a.		
16	29.77	29.50	61.7	60.3	53.5	67.1	2.1	1.1	480	487	88	93	SW	3	SW	3	10	10	3.4	—	—	● showers early a. ● 2p.-6p.		
17	29.35	29.36	59.4	59.3	56.0	65.9	3.4	1.9	402	444	80	88	SW	3	SW	3	10	9	1.9	2.8	—	● showers. Sunny intervals.		
18	29.57	29.87	58.2	56.0	55.0	61.0	1.2	1.0	448	419	92	93	NW	5	NW	6	10	10	2.3	—	—	● showers.		
19	30.03	30.08	57.0	54.0	53.9	62.0	0.9	1.5	374	374	94	90	NW	5	Calms	0	10	0	0.5	0.9	—	● showers.		
20	30.05	30.13	59.4	55.0	45.6	65.0	1.5	1.0	410	403	90	93	NW	3	N	2	10.0	1	0.1	—	—	● showers.		
21	30.18	30.14	61.2	57.7	47.0	71.4	4.4	2.6	403	400	75	84	SW	1	SE	3	8	—	—	7.2	—	Sunny intervals.		
22	30.10	30.04	67.0	62.5	51.0	77.5	5.5	2.1	468	493	71	87	SE	3	SE	4	0	2	—	—	12.4	—	Fine and sunny.	
23	30.06	30.06	66.0	63.0	54.0	77.0	6.1	1.5	431	523	68	91	SW	2	Calms	0	8	0	—	—	9.5	—	● 6a. Fine and sunny.	
24	30.05	29.99	71.0	65.1	52.0	79.8	5.9	4.0	529	480	69	78	SE	2	SE	3	4	10	—	—	8.2	—	● 6a. Sunny day.	
25	29.93	29.95	68.8	60.0	59.7	76.6	5.8	3.0	489	529	69	83	S	1	SW	3	9	0	—	—	2.4	—	Overcast a. Sunny intervals p.	
26	30.08	30.09	65.2	64.4	51.7	76.0	4.2	2.5	475	516	77	85	SW	2	SW	3	6	8	—	—	12.1	—	Fine and sunny.	
27	30.10	30.10	67.0	63.0	54.9	74.9	5.2	4.8	477	420	72	73	SW	1	W	1	7	9	—	—	10.5	—	Fine and sunny.	
28	30.15	30.17	67.7	60.3	52.9	73.0	5.7	4.0	474	399	69	77	NW	4	N	4	3	0	—	—	10.5	—	Fine and sunny.	
29	30.40	30.38	65.4	56.9	52.0	72.0	6.4	1.9	413	406	66	88	N	4	Calms	0	2	2	—	—	13.9	—	Fine and sunny.	
30	30.33	30.21	72.2	70.5	49.5	81.6	8.4	4.5	475	568	59	75	SW	2	NW	2	7	9	—	—	11.7	—	● a. Fine and sunny.	
31	30.23	30.26	63.5	59.0	59.0	71.9	7.0	4.9	369	357	63	72	NW	3	NW	5	7	4	—	—	10.4	—	Sunny from 8a.	
M.	29.962	29.953	63.3	60.2	52.5	71.3	4.7	2.8	430	436	75	84	3.2	3.0	7.2	6.4	2.65	197	—	—	—	—	—	—

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—JULY 1908.

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.		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.	Min.	Max.	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.	71°2	62°7	54°5	77°4	6°9	6°3	in.	in.	%	%	NE	†	†	0	0	ins.	hrs.	46		
2	30°11	30°13	71°2	62°7	54°5	77°4	6°9	6°3	500	374	95	66	N	3	E	0	0	—	14°2	46	Very pleasant day.	
3	12	30°09	71°0	66°7	52°9	80°6	9°5	7°9	422	394	55	60	NW	2	SE	0	3	—	11°6	46	Very pleasant day.	
4	30°06	29°90	74°8	67°5	55°9	84°8	10°1	5°7	472	469	54	69	SE	1	SE	0	2	—	14°9	47	Very pleasant day.	
5	29°88	81	66°2	61°8	57°8	85°7	5°0	4°4	469	489	73	89	SE	1	SE	4	3	09	6°6	55	Fine a. T° 5p.-6.30p.	
6	85	86	61°2	65°7	58°8	69°4	2°7	4°2	453	483	83	77	SE	3	SE	3	10	10	1°7	57	Dull day.	
7	83	81	64°9	60°7	59°8	71°7	6°6	4°3	401	397	65	75	SE	2	NW	3	6	8	9°5	57	Dull a., then fine.	
8	76	74	65°7	55°2	50°8	69°2	9°0	4°4	353	318	56	73	SW	1	SW	1	2	2	03	11°8	45	Very pleasant day.
9	63	53	61°5	57°9	49°7	63°8	3°1	2°8	444	397	81	83	SW	3	S	1	10	10	0°9	45	Dull, with showers.	
10	64	66	61°5	54°7	52°5	66°4	5°1	2°1	388	369	71	86	SW	4	SE	3	9	10	2°9	45	Dull a., then fine. ● p.	
11	52	52	63°2	58°9	53°9	67°4	1°7	3°3	520	397	89	80	S	3	S	3	10	4	02	45	Dull but pleasant. ● 7.30p.	
12	50	38	60°7	58°5	58°4	68°6	2°8	2°1	441	425	83	87	SW	3	SW	3	10	10	01	52	45	Dull, with ● showers.
13	43	43	62°7	60°7	47°6	68°0	6°3	4°3	374	397	66	75	SW	1	Cal	0	8	10	02	64	41	Dull a., then fine. ● p.
14	46	53	54°2	56°5	52°8	64°1	2°2	2°7	358	378	85	83	SW	1	W	1	10	10	01	2°2	55	Dull but pleasant. ● 7.30p.
15	58	63	58°9	57°7	53°4	65°4	4°3	2°6	370	400	74	84	SW	2	SW	2	7	8	03	4°2	48	Fine day.
16	71	74	61°7	58°1	52°3	64°4	3°5	3°7	436	375	79	77	W	1	NW	3	0	5	—	3°7	45	Dull and damp.
17	62	32	60°3	60°2	56°9	62°4	2°8	1°1	433	483	83	93	SW	4	SW	5	10	10	01	4°8	45	Dull a., then fine.
18	18	17	58°7	57°2	55°5	63°6	2°8	1°6	409	421	83	89	SW	2	NW	1	10	10	46	1°3	48	Dull, with ●.
19	52	79	50°7	58°9	55°4	62°9	1°3	3°2	421	400	91	81	NW	3	Cal	0	9	8	—	2°7	53	Dull day. ● showers.
20	29°96	29°96	57°2	61°9	54°7	68°7	3°0	3°6	379	436	82	79	N	3	N	1	10	0	—	8°5	53	Dull a.
21	30°11	30°01	57°2	59°7	51°5	63°6	1°4	3°2	425	413	90	81	NW	1	Cal	0	10	9	—	8°5	45	Dull and misty a.
22	29°93	29°98	62°2	59°2	50°7	73°4	4°7	2°8	410	416	73	83	W	1	SW	1	0	2	—	12°8	45	Very pleasant day.
23	92	92	65°5	61°7	52°8	72°7	5°8	2°1	431	479	69	87	S	2	W	1	0	0	—	12°4	52	Very pleasant day.
24	89	79	60°5	63°4	54°7	75°2	4°6	2°4	485	500	75	85	SW	2	SW	1	0	8	—	6°8	47	Pleasant day.
25	74	81	64°7	60°2	58°5	70°2	4°9	2°9	446	428	73	82	SE	1	SW	1	4	2	—	6°4	53	Pleasant day.
26	98	95	64°7	63°5	52°7	72°6	5°0	2°5	443	498	72	84	W	1	SW	2	0	0	—	10°8	47	Bright pleasant day.
27	29°99	29°97	62°2	61°7	55°0	69°4	5°7	4°5	382	407	68	74	W	1	Cal	0	4	0	—	5°2	51	Very pleasant day.
28	30°05	30°18	64°8	59°9	58°9	73°4	5°0	4°8	444	373	72	72	NW	2	NW	2	0	2	—	12°3	52	Very pleasant day.
29	30	27	64°9	59°9	48°5	74°6	6°4	2°4	407	437	66	85	NW	2	NW	1	0	0	—	12°5	43	Very pleasant day.
30	28	13	71°9	66°0	54°5	80°2	10°4	6°5	413	421	53	65	W	2	NW	1	0	0	—	13°0	50	Very pleasant day.
31	30°14	30°14	66°2	59°7	59°0	74°4	8°5	5°1	371	362	58	70	N	2	N	2	0	4	—	12°0	54	Very pleasant day.
M.	29°825	29°807	63°6	60°7	54°3	70°6	5°1	3°6	424	419	73	79	2°0	1°6	4°7	4°8	1°83	221	49°1			



## SOUTHAMPTON, HAMPSHIRE, a.—JULY 1908.

Height above Mean Sea Level, 78 feet till June 25th, then 64 feet. Heights above Ground:—Bar., 6 feet till June 25th, then 20 feet. Therm., 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 Station Level.		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.	Min.	Max.	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.	°	Very fine and sunny. $\text{W p.}$ Very fine and sunny. Very fine and sunny. Fine. Fine, but cloudy. Fine. Fine. Fine. Fine. Fine, but cloudy. showers 11a., 1p., and 6p. showers 10a. and noon. 10a.-10p. showers. Sunny intervals. Dull, then fine. Sunshine and cloud. Dull a. and p. Sunny midda. a. and p. Very fine. a. and p. Very fine. a. and p. Very fine. a. and p. Very fine. a. and p. Very fine. a. and p. Dull. a. and p. Very fine. a. Very fine. Very fine. Very fine. Very fine. Very fine.	
2	30.17	30.20	72.0	67.9	56.9	82.3	9.8	11.9	.432	.318	55	46	NE	3	NE	2	5	7	13.8		53
3	30.22	30.18	70.0	64.9	56.3	83.4	10.1	2.8	.390	.515	53	84	NE	3	SE	1	5	1	14.0		50
4	30.14	30.04	72.2	65.1	54.1	80.0	10.2	4.8	.424	.455	53	74	NE	1	SE	1	1	0	12.2		45
5	30.00	29.94	61.4	61.0	57.5	68.9	2.3	2.7	.467	.448	87	84	SE	1	SE	2	10	1	8.2		55
6	29.98	29.99	64.9	62.2	55.3	68.1	4.9	3.7	.448	.439	73	79	NE	2	SE	2	10	10	3.3		51
7	29.98	29.93	63.3	59.1	56.3	73.9	5.8	4.2	.398	.376	69	75	SE	2	NW	2	10	0	9.1		49
8	29.90	29.89	66.1	60.2	53.8	71.0	8.9	3.8	.360	.404	57	77	NW	4	NW	3	4	10	0.20		8.9
9	29.81	29.69	61.2	57.2	56.9	63.5	2.1	1.3	.470	.429	88	91	SW	4	SW	4	10	2	2.50		2.7
10	29.81	29.84	61.9	56.0	53.8	66.9	5.9	0.7	.373	.428	67	95	NW	4	S	3	8.0	10.0	1.90		6.2
11	29.75	29.73	62.9	57.7	55.5	64.0	2.6	0.7	.485	.455	85	95	SW	5	SW	3	10	10	1.40		—
12	29.69	29.60	63.5	61.0	56.4	70.0	1.9	1.5	.519	.487	89	91	SW	3	SW	3	10	10	—		2.9
13	29.58	29.52	61.2	60.0	52.2	69.6	4.6	4.3	.397	.387	74	75	NW	1	NW	2	8	10	—		6.2
14	29.56	29.52	68.9	58.0	54.7	65.8	0.2	3.6	.497	.377	99	78	NW	4	NW	3	10	5	—		1.7
15	29.73	29.82	61.0	55.3	52.2	64.9	4.8	1.9	.388	.383	73	87	SW	2	NW	2	10	3	10.8		4.0
16	29.88	29.91	61.0	57.4	52.3	67.0	3.7	2.3	.419	.403	79	86	SW	2	SW	3	10	10	0.37		4.0
17	29.81	29.58	61.2	58.8	56.9	62.0	2.0	0.5	.474	.480	88	97	SW	4	SW	5	10	10.0	0.80		—
18	29.40	29.43	60.5	58.2	56.7	63.0	3.4	2.3	.419	.415	80	85	SW	4	W	2	10	4	1.50		—
19	29.60	29.87	59.1	59.4	54.9	65.0	2.9	3.2	.412	.408	82	81	NW	4	NNW	4	10	1	—		4.2
20	30.03	30.06	58.7	58.1	55.2	67.0	3.5	2.0	.390	.423	78	87	NNW	4	NNW	1	10	1	—		6.0
21	30.06	30.11	60.1	60.2	54.9	71.7	3.0	1.9	.425	.460	82	89	NNW	2	NNW	1	10	8	—		3.0
22	30.18	30.14	63.2	59.0	52.7	70.3	3.9	3.6	.450	.391	78	78	NNW	1	SW	1	9	10	11.6		50
23	30.11	30.05	61.9	59.2	52.9	72.2	4.7	1.9	.406	.442	73	89	SW	1	SW	1	10	3	—		8.1
24	30.06	30.05	62.0	63.9	52.7	75.5	2.5	2.8	.472	.496	85	84	WSW	1	SW	1	8	8	—		9.1
25	30.03	29.96	64.4	63.1	54.2	75.5	3.2	3.2	.493	.470	81	81	SW	1	SW	1	3	5	—		9.8
26	29.90	29.97	67.0	60.4	58.9	70.5	3.7	0.4	.525	.512	80	98	SW	2	SW	2	10	0	—		1.7
27	30.08	30.09	64.0	59.5	52.3	71.0	4.5	3.3	.440	.407	75	80	W	1	SW	3	8	5	—		12.1
28	30.10	30.10	64.9	60.5	50.3	72.2	6.9	2.4	.392	.449	63	86	SW	2	SW	1	4	8	—		12.5
29	30.14	30.27	66.9	66.0	55.8	77.1	5.3	7.0	.473	.406	71	64	NNE	2	NE	3	10	5	—		7.4
30	30.38	30.34	67.0	65.0	53.9	77.2	7.9	5.6	.400	.430	60	70	NE	2	NE	1	0	0	—		13.2
31	30.33	30.23	68.2	64.1	53.1	82.2	6.9	1.9	.448	.530	64	88	W	1	NW	3	1	0	—		12.7
31	30.20	30.23	68.0	64.2	62.2	76.1	4.3	6.7	.524	.388	77	64	NW	1	N	2	10	0	—	9.8	
M.	29.954	29.948	63.8	60.7	54.9	71.2	4.7	3.2	.439	.433	75	82	2.4	2.2	7.9	5.1	1.695	222	50.0		

## PLYMOUTH, DEVONSHIRE, a.—JULY 1908.

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

1	30.12	30.16	68.2	69.0	58.5	73.0	6.2	6.1	4.67	483	67	S	+	SE	+	6	8	—	4.0	53	Fine, but cloudy.
2	30.16	30.14	74.8	66.2	58.0	77.6	15.1	6.0	3.45	438	40	SE	+	—	0	8	6	—	4.5	51	Fine.
3	30.08	30.01	75.5	64.0	57.0	79.2	13.6	7.0	3.91	376	44	E	+	—	0	6	6	—	11.2	50	Fine.
4	29.94	29.91	65.0	59.7	54.9	70.1	4.1	0.7	4.75	438	78	SE	+	—	0	10	10	—	6.6	48	Fine. = n.
5	29.92	29.94	64.2	59.7	52.2	68.0	0.5	1.7	5.82	457	97	—	2	S	4	10	10	—	13.2	53	Fine and sunny.
6	29.96	29.90	64.0	65.0	55.4	66.0	7.3	10.8	3.69	303	62	—	9	W	6	10	8	—	3.9	52	Fine.
7	29.91	29.89	62.0	60.5	56.8	65.8	2.6	1.5	4.68	477	84	SW	9	SW	10	10	9	—	2.7	24	showers.
8	29.71	29.72	58.3	58.0	58.0	65.8	0.3	3.1	4.77	390	98	SW	26	W	14	10	6	—	0.7	53	Squally, with showers.
9	29.85	29.72	61.5	60.3	54.9	64.3	5.5	0.2	3.77	517	69	SW	21	SW	25	7	10	—	2.5	39	Dull, with showers.
10	29.66	29.68	60.0	58.0	56.2	61.0	0.3	1.1	5.08	448	98	SSW	12	SSW	12	10	10	—	0.9	0.1	Cloudy, with showers.
11	29.58	29.57	60.8	55.0	54.9	63.1	1.2	2.1	4.93	372	93	S	28	—	3	10	6	—	0.6	1.2	showers.
12	29.54	29.53	58.4	55.2	51.1	63.1	3.4	3.2	3.88	347	79	—	0	—	2	10	9	—	3.0	47	Fine.
13	29.55	29.58	60.3	56.7	51.4	63.9	3.1	2.4	4.25	389	81	—	3	—	3	8	9	—	2.8	32	Cloudy, with showers.
14	29.72	29.81	57.4	61.0	53.1	63.1	2.5	2.9	3.98	442	84	NW	4	SW	9	7	10	—	1.1	5.2	showers.
15	29.88	29.87	60.4	57.0	54.0	63.0	5.3	1.2	3.68	428	70	W	9	SSW	17	6	10	—	1.5	4.7	Squally at night.
16	29.78	29.53	58.4	60.1	56.8	61.1	0.4	0.8	4.76	493	98	SW	15	SW	21	10	10	—	0.7	—	Rough sea.
17	29.43	29.53	60.0	61.0	55.7	62.8	4.2	3.5	3.90	425	75	SW	19	NW	15	9	10	—	0.6	3.1	showers.
18	29.69	29.90	59.0	56.9	55.2	62.8	5.1	2.8	3.52	381	71	SW	21	NNW	18	8	3	—	10.6	53	Fine.
19	30.02	30.09	64.9	56.0	53.9	68.1	7.6	2.1	3.75	388	60	SW	16	NNW	8	5	4	—	13.7	50	Very fine.
20	30.04	30.09	65.0	58.2	53.2	68.0	4.0	3.0	4.78	396	78	N	8	NNW	10	7	3	—	6.3	49	Fine.
21	30.12	30.10	64.6	60.0	58.2	66.7	5.1	2.1	4.38	450	73	—	3	—	0	2	7	—	13.2	50	Bright and sunny.
22	30.06	30.02	62.2	60.0	51.8	68.6	3.1	2.9	4.56	426	82	—	0	—	0	2	0	—	11.9	47	Fine.
23	30.02	30.03	64.1	60.0	52.0	68.9	4.3	0.3	4.54	508	76	—	0	—	0	4	10	—	10.1	49	Fine.
24	29.99	29.91	64.7	62.5	59.3	66.8	4.1	2.7	4.70	474	76	SW	4	—	1	7	10	—	0.6	6.5	Fine. Cloudy evening.
25	29.85	29.98	60.0	57.4	57.2	68.9	0.2	3.1	5.11	381	99	SW	17	WNW	4	10	6	—	7.3	51	showers.
26	30.04	30.07	65.0	58.9	50.2	68.0	5.0	3.8	4.47	384	73	—	3	—	3	6	4	—	12.5	47	Beautifully fine.
27	30.07	30.07	61.3	51.4	45.1	4.5	5.1	4.26	385	75	71	S	4	—	1	6	8	—	7.1	48	Fine. shower.
28	30.14	30.28	59.4	59.0	55.8	69.1	0.4	4.8	4.94	359	98	NW	9	N	12	6	2	—	11.9	52	Fine and sunny.
29	30.33	30.34	69.7	61.2	51.7	69.8	8.6	5.1	4.24	384	58	—	1	NW	6	3	0	—	14.0	48	Fine and sunny.
30	30.31	30.26	68.0	68.3	52.8	75.9	10.2	8.5	3.57	405	51	N	10	NNW	8	3	9	—	14.0	48	Fine and sunny.
31	30.20	30.22	67.9	59.1	58.1	72.9	7.4	5.2	4.29	351	62	NW	6	N	12	4	0	—	13.3	52	Fine and sunny.
M.	29.924	29.935	63.4	60.1	54.8	67.4	4.7	3.4	4.36	416	76	81	—	—	—	6.5	6.9	1.98	228	50.9	

§ The rain gauge and thermometers at Southampton were moved to a new site in East Park on June 25th.  
\* Miles per hour. † Beaufort Scale (0—12). ‡ No record.

## ARMAGH, a.—JULY 1908.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therm., 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 Station Level.		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.	Min.	Max.	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.	69.6	63.6	49.7	76.5	6.5	3.4	in.	in.	%	%	*	*			ins.	hrs.	°					
2	30.11	30.13	69.6	63.6	49.7	76.5	6.5	3.4	.483	.472	67	80	—	2	—	2	0	—	13.9	42	Nocturnal glow.			
3	.15	30.12	74.3	60.0	52.2	81.0	9.5	3.2	.482	.417	56	81	—	2	—	2	1	0	—	14.4	43	Fine and sunny.		
4	30.03	29.93	69.9	63.3	51.4	78.3	5.2	1.5	.533	.529	73	91	—	2	—	2	0	0	—	12.7	44	Fine and sunny.		
5	29.83	.82	69.5	57.8	55.0	77.8	4.7	2.0	.539	.418	75	87	—	1	—	2	7	0	—	10.2	48	Nocturnal glow.		
6	.86	.84	57.8	55.7	52.2	66.5	1.2	2.3	.443	.379	92	85	—	1	—	2	10	10	—	0.8	44			
7	.83	.81	58.9	50.5	50.5	67.2	4.1	2.6	.376	.302	75	82	—	2	—	0	10	10	—	6.5	40			
8	.73	.60	56.6	55.1	46.3	64.2	0.7	3.2	.438	.346	95	79	SE	4	—	2	10	10	—	.390	8.5	40		
9	.42	.41	56.3	54.6	54.3	59.5	0.4	0.3	.442	.419	97	98	SE	4	—	2	10	10	—	.410	—	54	Overcast all day.	
10	.49	.43	58.6	57.6	50.2	66.0	3.8	4.0	.380	.362	77	77	SW	4	S	5	7	10	—	.057	6.8	49		
11	.14	.19	61.0	57.8	54.0	66.0	5.2	4.0	.378	.365	71	77	13 SW	7	SW	7	10	10	—	.023	7.2	53		
12	.30	.27	58.3	54.3	54.2	64.1	4.0	2.9	.371	.341	76	80	SW	7	SW	4	10	10	—	.030	—	53	Overcast all day.	
13	.31	.40	59.0	55.3	54.1	63.5	2.1	2.5	.444	.370	87	84	SW	4	—	2	10	10	—	.065	.0.7	53		
14	.42	.50	56.4	54.0	52.0	61.9	2.0	0.6	.396	.400	87	96	—	2	—	1	10	10	—	.151	—	50	T noon. .02 (1 inch) 12.30p.	
15	.50	.67	55.0	50.8	50.8	61.0	0.7	2.8	.412	.301	95	81	—	1	—	2	10	10	—	.210	.0.1	51	T noon—1p. [1.30p.]	
16	.61	.48	57.4	50.4	49.0	59.4	5.8	0.8	.315	.431	66	95	SW	5	—	3	9	10	—	.343	1.6	45		
17	.32	.04	55.0	55.4	53.8	68.0	1.0	0.9	.403	.413	93	95	S	7	SW	5	10	10	—	.565	—	53		
18	.12	.49	58.0	55.3	54.0	60.0	1.4	2.2	.439	.375	91	86	3 NNW	6	—	10	10	—	—	.2	.4	54		
19	.75	.94	58.0	50.0	50.0	62.2	5.8	3.4	.323	.278	67	78	N	7	—	3	9	9	—	.63	.45	45		
20	29.96	29.96	57.7	58.0	46.5	62.7	4.5	1.0	.350	.451	73	93	—	2	—	2	10	10	—	.24	.41	41		
21	.03	30.08	59.3	50.5	50.5	64.1	4.7	3.3	.307	.286	72	78	—	3	—	2	9	7	—	.54	.46	46		
22	30.00	29.88	58.8	61.6	50.0	73.4	4.5	5.8	.395	.371	74	68	SW	4	—	3	4	0	—	.138	.45	45		
23	29.81	.78	60.5	56.1	54.1	67.7	2.5	3.7	.446	.349	85	76	S	4	—	2	10	4	—	.007	1.7	50		
24	.79	.83	59.6	58.0	51.7	67.8	4.6	5.0	.373	.462	73	71	SW	6	—	2	9	9	—	.74	.50	50		
25	.69	.54	60.4	59.0	54.6	64.1	3.8	1.0	.407	.467	78	94	S	10	S	13	10	10	—	.145	—	53	Overcast all day.	
26	.59	.79	60.6	55.6	55.6	64.3	0.4	5.4	.516	.303	97	68	—	2	—	2	10	10	—	.020	.2	53	Overcast all day.	
27	.86	.83	56.6	56.4	53.0	62.0	3.0	3.7	.373	.353	81	77	SW	5	SSE	5	10	10	—	—	.78	54		
28	29.80	29.90	60.6	59.3	55.1	67.5	6.0	5.3	.353	.351	67	69	SW	2	WSW	4	0	10	—	—	.58	45		
29	30.07	30.22	60.6	53.1	52.6	66.0	4.9	2.5	.380	.336	73	83	—	5	—	1	8	0	—	—	.37	40		
30	.21	.10	58.8	60.8	46.8	68.2	5.0	7.0	.352	.331	71	62	SW	4	SW	5	10	10	—	—	.66	54		
31	.08	.10	65.4	55.0	55.0	69.4	4.0	4.0	.485	.325	78	75	—	2	—	2	8	10	—	—	.56	.46	46	
	30.14	30.15	57.6	53.4	50.3	66.7	4.0	2.7	.362	.335	77	82	—	2	—	1	8	4	—	—	.56	.46	46	
M.	29.742	29.749	60.2	56.3	52.0	66.7	3.7	3.0	.411	.372	79	82	4	3	8.0	7.6	3.780	1.55	48.0					



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—JULY 1908.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.02 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	69.5	57.7	46.0	74.0	66	65	in.	in.	%	%	ENE	5	—	2	0	1	ins.	hrs.	°	
2	30.15	30.19	69.5	57.7	46.0	74.0	66	65	.477	.303	66	63	—	5	—	2	0	1	—	12.9	42	Fine and sunny.
3	30.19	30.15	71.1	59.5	46.7	76.3	7.5	2.9	.481	.418	63	83	—	3	—	1	2	2	—	13.3	43	Fine and sunny.
4	30.08	29.97	70.2	59.8	48.8	75.0	5.5	1.3	.528	.473	71	92	NE	5	—	1	0	1	—	13.2	43	Fine and sunny.
5	29.88	29.85	69.7	60.2	49.0	77.3	4.3	1.3	.558	.479	76	92	—	2	—	0	9	—	—	9.6	43	Fine day. T
6	29.89	29.90	60.0	57.2	51.7	69.9	2.0	1.1	.453	.434	88	93	—	3	—	2	10	10	—	0.4	47	Fine, but cloudy.
7	29.89	29.86	57.5	57.4	52.7	67.1	1.9	1.1	.416	.438	88	93	W	4	—	3	10	7	—	6.4	52	Cloudy.
8	29.81	29.67	58.0	57.2	48.7	66.6	2.4	0.2	.410	.462	85	99	W	4	—	2	7	10	—	4.00	8.8	45
9	29.46	29.50	56.1	54.6	54.6	62.7	0.0	2.0	.451	.370	100	87	—	4	WSW	5	100	5	—	5.20	—	53
10	29.58	29.49	59.0	55.3	51.9	67.5	3.5	1.7	.394	.389	79	89	WSW	11	—	6	7	10	—	1.80	7.2	50
11	29.26	29.36	60.5	50.3	54.1	66.7	5.3	2.1	.368	.393	70	86	S	8	—	12	8	10	—	5.6	54	° 10p.-midnight.
12	29.40	29.39	58.4	54.4	53.1	61.2	4.0	1.8	.372	.373	76	88	SSW	8	WSW	4	10	3	—	1.00	2.2	49
13	29.40	29.44	58.4	56.9	50.2	68.0	3.7	0.6	.380	.445	78	96	SW	9	—	2	8	8	—	1.00	6.0	47
14	29.49	29.57	56.1	55.4	51.8	60.7	2.5	2.8	.380	.361	84	83	W	6	—	3	10	9	—	0.60	—	49
15	29.60	29.72	53.4	54.3	49.8	59.9	0.7	0.7	.388	.402	95	95	W	5	—	0	10	8	—	2.05	—	47
16	29.72	29.57	55.9	58.7	45.9	59.9	4.1	1.8	.337	.438	75	88	SW	7	SW	8	9	7	—	.062	1.6	44
17	29.40	29.16	56.4	55.9	54.9	67.7	1.8	1.0	.402	.419	89	94	SW	10	SW	8	10	9	—	.465	2.1	53
18	29.17	29.17	51.5	59.5	53.8	64.5	1.7	3.9	.454	.362	90	77	WNW	10	WNW	8	10	10	—	.010	2.0	53
19	29.76	29.98	58.7	53.8	51.9	63.1	6.3	3.2	.321	.327	64	79	WNW	10	—	10	10	6	—	10.9	48	Fine.
20	29.08	29.03	55.6	60.7	46.0	67.0	4.1	1.1	.332	.494	75	94	NW	10	WSW	7	10	10	—	.014	5.5	40
21	29.09	29.12	57.4	57.9	55.7	65.8	3.9	3.5	.360	.379	76	78	NW	10	NW	10	9	—	—	6.3	54	Cloudy.
22	29.07	29.94	61.4	57.1	44.9	72.7	5.0	0.6	.390	.449	72	96	SW	10	—	0	2	—	—	14.5	41	° showers.
23	29.89	29.87	65.0	58.4	50.2	70.7	6.3	0.9	.410	.461	67	95	—	3	—	2	8	8	—	.025	5.3	45
24	29.90	29.90	60.6	58.9	48.5	66.8	5.1	1.5	.375	.449	72	91	SW	7	—	0	7	—	—	5.2	43	Fine, but cloudy.
25	29.79	29.64	62.1	61.5	52.9	67.7	3.9	2.7	.432	.457	77	84	SE	5	S	6	10	9	—	.010	0.1	50
26	29.66	29.86	61.7	58.3	57.0	67.9	2.2	3.2	.477	.392	87	80	SW	4	—	3	10	10	—	.125	1.0	54
27	29.94	29.92	58.5	57.7	51.7	63.7	3.1	1.2	.397	.441	80	93	SW	4	SSW	4	9	9	—	.03	.46	46
28	29.88	29.99	63.6	56.1	56.1	69.1	0.7	0.1	.563	.447	95	99	SW	9	—	1	6	2	—	8.8	48	Fine.
29	30.15	30.27	59.8	51.9	50.9	65.5	1.4	0.2	.469	.381	91	99	W	5	—	0	9	2	—	6.2	43	Fine, but cloudy.
30	29.30	29.21	63.3	62.7	42.7	72.6	2.1	0.4	.509	.556	87	98	SW	5	SSW	5	9	7	—	8.2	37	Fine.
31	29.15	29.16	64.4	60.7	57.2	73.8	2.4	4.7	.519	.387	86	73	SW	14	W	4	9	9	—	7.8	52	Fine.
31	30.22	30.20	60.1	56.8	52.1	67.0	10.5	2.4	.251	.391	48	84	NW	4	—	2	8	9	—	11.0	48	Fine.
M.	29.815	29.819	60.7	57.4	51.0	67.7	3.7	1.9	.421	.418	79	88	—	—	—	7.3	7.1	2.236	182	47.2		

## BIRR CASTLE, KING'S COUNTY, a.b.—JULY 1908.

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, +0.02 in.

1	30.11	30.13	69.8	68.7	55.8	78.1	4.9	1.8	54.1	62.7	75	89	S	1	NW	1	0	4	—	12.2	—	Fine and sunny.	
2	30.15	30.09	65.8	68.7	58.0	79.2	0.9	1.9	60.0	62.3	94	89	NW	2	N	1	10	3	—	9.1	—	≡ n. Fine and sunny.	
3	30.04	29.93	71.7	67.7	56.0	81.9	5.7	0.9	55.1	64.2	70	95	N	1	Calm	0	0	2	—	12.4	—	Fine and sunny.	
4	29.86	29.82	72.1	66.9	54.8	82.0	3.9	2.7	62.4	55.7	79	84	NE	1	Calm	0	0	3	—	12.1	—	Sunny day. †	
5	29.89	29.80	61.7	57.6	55.1	67.9	3.4	0.7	44.0	45.4	80	95	WNW	3	WNW	1	10	10	—	0.5	—	Overcast.	
6	29.90	29.87	58.7	54.9	50.8	64.8	3.8	2.0	38.1	37.5	77	87	WNW	2	WNW	1	9	7	—	4.5	—	Cloudy.	
7	29.78	29.66	59.7	59.7	50.7	65.8	4.9	1.0	36.8	48.0	71	94	WNW	3	SSW	2	6	10	352	5.4	—	Cloudy, with s.	
8	29.47	29.50	57.5	55.9	54.8	62.7	0.7	0.8	45.2	42.0	96	94	W	2	SW	4	10	9	252	4.3	—	● showers.	
9	29.50	29.49	61.3	57.0	51.8	64.7	3.4	1.0	43.3	43.4	80	93	W	4	S	3	8	10	060	6.1	—	● showers.	
10	29.15	29.34	59.7	56.0	55.2	66.7	2.6	0.8	43.0	42.5	85	94	SSW	6	SW	6	10	10	093	3.8	—	● showers.	
11	29.38	29.37	57.2	54.2	53.1	61.6	0.4	1.1	45.6	38.8	98	93	SSW	1	SW	2	10	4	070	1.1	—	● showers. ~ 5p.	
12	29.38	29.46	59.5	56.6	49.1	60.8	2.5	1.5	42.9	41.4	85	90	SW	2	WNW	3	10	10	455	1.8	—	● showers.	
13	29.50	29.52	56.6	55.1	51.7	59.7	1.9	2.1	40.3	37.4	87	86	WSW	3	WNW	2	10	10	015	0.3	—	● showers.	
14	29.62	29.72	57.5	54.7	50.6	62.7	2.4	0.9	40.2	40.3	85	95	WNW	3	WNW	2	8	10	228	4.4	—	● showers.	
15	29.68	29.57	56.6	57.9	50.7	59.7	3.3	0.8	36.5	45.5	79	95	SW	3	SW	3	10	100	248	0.9	—	Overcast, with s.	
16	29.33	29.16	57.0	56.7	54.1	63.9	0.3	0.2	45.6	45.4	98	99	S	2	W	5	10	100	300	0.7	—	Overcast, with s.	
17	29.21	29.60	59.7	55.7	54.0	61.6	0.7	0.7	48.9	42.3	96	95	WNW	4	NW	4	9	9	023	2.1	—	● showers.	
18	29.83	29.96	55.9	52.6	51.1	64.1	1.2	0.5	41.3	38.3	93	97	WNW	4	WNW	1	10	8	—	8.7	—	—	
19	30.07	30.01	57.7	60.2	48.6	64.5	2.9	0.1	39.2	51.9	82	100	NW	2	W	3	7	100	052	2.9	—	Cloudy.	
20	29.09	29.11	57.6	56.6	54.6	65.7	2.1	1.8	41.3	40.5	86	88	NW	3	N	2	10	6	—	7.0	—	—	
21	29.06	29.95	62.9	43.2	74.0	74.0	2.2	1.0	43.8	33.9	87	94	SW	1	Calm	0	4	3	—	13.1	—	Fine and sunny.	
22	29.86	29.85	60.3	55.7	52.0	64.8	1.4	1.0	47.8	41.6	91	94	S	1	WSW	2	10	7	020	0.5	—	Overcast.	
23	29.85	29.86	61.7	58.6	48.1	65.8	3.7	1.4	43.1	44.8	78	91	SW	2	Calm	0	3	10	024	2.6	—	Cloudy.	
24	29.71	29.56	61.8	60.6	55.1	65.0	0.6	0.6	53.0	50.9	96	96	S	4	S	2	100	100	330	0.2	—	● showers.	
25	29.63	29.86	59.7	57.2	55.3	62.9	0.6	2.0	49.3	40.9	97	87	W	2	W	2	100	10	024	2.4	—	● showers.	
26	29.90	29.85	59.3	58.9	52.8	63.6	0.6	2.7	41.8	41.4	83	83	SW	2	SW	3	9	10	—	0.5	—	Overcast.	
27	29.86	29.97	62.3	56.7	55.4	64.7	4.0	0.7	43.2	43.8	77	95	SW	3	W	2	4	9	—	9.0	—	Sunny day.	
28	30.13	30.26	60.7	54.0	52.6	66.7	4.6	1.9	39.0	36.3	74	87	NW	3	W	1	6	4	—	7.5	—	Sunny day.	
29	29.27	29.20	60.9	61.9	44.8	73.1	3.6	2.7	42.0	46.4	79	84	SW	1	SW	3	6	6	010	6.2	—	Cloudy.	
30	29.16	29.16	63.6	59.5	57.0	67.7	1.5	2.4	53.5	43.2	91	86	WSW	2	WNW	2	10	10	—	6.0	—	Cloudy.	
31	30.19	30.18	60.9	57.2	67.8	73.8	1.8	1.8	41.4	47.2	78	89	W	2	WNW	3	8	10	—	8.8	—	Sunny day.	
M.	29.793	29.803	60.8	58.7	52.7	66.9	2.6	1.3	45.2	45.7	85	92	2.4	2.1	7.6	7.9	2.556	157	—	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

‡ No record.

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—JULY 1908.

Tables of Wind Direction (D.) in numbers (8=E, 16=S,



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

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

\* 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 (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  $V^2 = 3.15 B^2$ ) 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.—AUGUST 1908.

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 Station Level.		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.	Min.	Max.	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.	54.0	53.0	48.0	56.8	5.8	1.7	in.	in.	%	%	WNW	17	NW	10	8	10	ins.	hrs.	—	Fine all day.	
2	29.97	30.06	54.0	53.0	48.0	56.8	5.8	1.7	27.1	355	65	88	WNW	17	NW	10	8	10	1.8	1.8	—	• n. Fine and mild.	
3	30.12	30.05	58.6	59.0	51.8	64.6	0.6	2.0	47.3	43.6	96	88	W	15	WSW	13	8	10	—	1.2	—	Dull and breezy.	
4	29.96	29.93	54.8	52.5	51.8	59.6	2.8	2.4	351	331	82	84	W	21	NW	7	10	10	1.05	1.05	—	• a. = till 3p.	
5	73	65	54.0	52.2	51.6	56.8	0.3	0.5	409	377	98	97	SSW	9	NW	16	10	10	—	0.8	—	= at times.	
6	79	97	54.0	49.4	48.8	56.8	0.8	0.4	394	342	94	97	N	15	NW	12	10	10	—	0.5	—	Bright intervals. = 8p.	
7	97	95	54.0	54.0	47.2	59.6	1.0	0.0	388	418	93	100	W	13	W	12	10	10	—	1.9	—	= till 6a. Breezy.	
8	94	97	55.2	51.0	49.5	58.8	2.0	1.8	379	328	87	87	W	10	W	7	10	8	—	5.4	—	Breezy. • 1p.-5p.	
9	81	67	59.4	52.1	50.0	60.6	4.8	0.9	366	365	72	93	SW	17	W	13	9	2	17	0.4	—	• from 3p.	
10	67	34	55.0	54.5	49.6	57.0	4.3	0.7	318	405	74	96	WSW	19	S	18	7	10	24	2.0	—	• 6p.-8p.	
11	33	59	55.0	47.3	45.8	56.8	4.0	0.9	325	304	75	94	WSW	16	NW	14	5	9	25	8.1	—	Fair, but cold.	
12	29.76	29.77	51.4	46.0	43.0	53.5	5.4	3.0	251	244	66	79	NW	15	NW	12	5	1	02	12.1	—	Fine and bright, but cold.	
13	30.00	30.00	51.2	46.0	43.0	53.8	5.2	2.7	253	250	67	81	NNW	10	NW	10	2	1	—	14.4	—	Dull, with • at times.	
14	29.78	29.78	51.6	51.0	46.0	57.8	3.0	0.5	296	361	80	97	NNW	19	NW	16	10	10	02	0.9	—	Dull, with ∞.	
15	80	29.90	51.6	51.0	49.0	53.8	0.6	1.8	366	328	96	99	SSE	7	ESE	4	10	10	—	6.0	—	Very fine p. = 7p.	
16	29.96	30.00	51.2	50.2	48.8	56.8	0.6	0.2	361	328	96	99	—	2	N	10	10	10	—	0.1	—	= 2 till 10a., then fine.	
17	30.04	30.04	51.0	49.0	48.2	54.8	0.2	1.5	369	320	99	89	N	15	N	12	10	10	—	0.3	—	Dull.	
18	74	74	51.6	51.0	46.0	57.8	0.6	1.8	366	328	96	99	N	15	N	12	10	10	—	0.1	—	Dull.	
19	73	65	54.0	52.2	51.6	56.8	0.3	0.5	409	377	98	97	SSW	9	NW	16	10	10	—	0.8	—	Fair a. Dull p.	
20	79	97	54.0	49.4	48.8	56.8	0.8	0.4	394	342	94	97	N	15	NW	12	10	10	—	0.5	—	Dull and mild a. Fine p.	
21	97	95	54.0	54.0	47.2	59.6	1.0	0.0	388	418	93	100	W	13	W	12	10	10	—	1.9	—	• at times. =	
22	94	97	55.2	51.0	49.5	58.8	2.0	1.8	379	328	87	87	W	10	W	7	10	8	—	5.4	—	Very fine all day.	
23	81	67	59.4	52.1	50.0	60.6	4.8	0.9	366	365	72	93	SW	17	W	13	9	2	17	0.4	—	Very fine. = from 6p.	
24	67	34	55.0	54.5	49.6	57.0	4.3	0.7	318	405	74	96	WSW	19	S	18	7	10	24	2.0	—	Dull a. Very fine p.	
25	33	59	55.0	47.3	45.8	56.8	4.0	0.9	325	304	75	94	WSW	16	NW	14	5	9	25	8.1	—	• from 8p.	
26	29.76	29.77	51.4	46.0	43.0	53.5	5.4	3.0	251	244	66	79	NW	15	NW	12	5	1	02	12.1	—	• 2 n. Fair from 3p.	
27	30.00	30.00	51.2	46.0	43.0	53.8	5.2	2.7	253	250	67	81	NNW	10	NW	10	2	1	—	14.4	—	• 3 showers from 4p.	
28	29.78	29.78	51.6	51.0	46.0	57.8	3.0	0.5	296	361	80	97	NNW	19	NW	16	10	10	02	0.9	—	• showers all day.	
29	80	29.90	51.6	51.0	49.0	53.8	0.6	1.8	366	328	96	99	SSE	7	ESE	4	10	10	—	6.0	—	• 3 showers p.	
30	29.96	30.00	51.2	50.2	48.8	56.8	0.6	0.2	361	328	96	99	—	2	N	10	10	10	—	0.1	—	Very fine all day.	
31	30.04	30.04	51.0	49.0	48.2	54.8	0.2	1.5	369	320	99	89	N	15	N	12	10	10	—	0.3	—		
M.	29.673	29.672	53.3	51.0	48.1	56.5	2.3	1.3	348	342	86	91	13	10	8.3	8.0	2.545	110	—	—	—	—	Very fine all day.



## TILLYPRONIE, ABERDEENSHIRE.—AUGUST 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.							in.	in.	%	%					ins.	hrs.	°			
2	28.99	29.10	55.4	53.3	46.7	60.5	5.9	0.3	.289	.398	66	98	NW	6	NW	4	7	9	—	45	Sunny day.	
3	29.14	29.10	55.8	52.5	52.0	74.8	5.8	5.5	.437	.393	69	69	NW	6	NW	6	3	0	—	51	Fresh breeze.	
4	29.02	28.97	63.4	56.0	54.3	70.7	4.6	4.7	.433	.324	74	72	NW	6	NW	4	8	0	—	51	Fresh breeze.	
5	28.81	28.71	60.1	52.5	50.0	65.3	4.8	1.5	.376	.354	73	89	NW	4	NW	6	7	8	—	48	Dull and cloudy.	
6	75	75	51.2	49.5	46.4	57.8	1.2	0.7	.345	.336	92	95	NW	6	N	6	10	9	—	46	Dull, with ☉.	
7	28.96	28.96	62.9	58.7	44.6	70.5	8.4	2.7	.327	.411	57	83	NW	4	NW	2	2	8	—	42	Sunny day.	
8	76	76	54.8	49.5	48.5	69.3	1.4	2.2	.390	.299	91	85	N	4	NW	4	9	6	—	47	Sunny day.	
9	28.89	28.73	58.1	50.0	45.9	64.5	4.8	2.5	.349	.298	72	83	W	6	NW	6	8	3	—	42	Dull, with cold wind.	
10	72	72	53.7	53.8	45.0	64.8	7.9	2.5	.274	.345	57	83	W	4	W	6	6	7	—	42		
11	39	39	52.1	42.8	41.5	62.4	1.4	1.3	.352	.347	90	90	W	4	N	6	8	0	—	40	☉ showers.	
12	76	76	47.5	38.3	37.4	56.2	3.9	0.5	.240	.221	74	96	NW	6	NW	4	7	0	—	37	☉ showers.	
13	79	79	49.3	44.3	34.7	56.3	6.8	4.5	.206	.200	59	68	NW	4	NW	4	4	6	—	33		
14	76	76	52.8	48.5	37.5	62.2	7.3	1.5	.231	.303	59	89	W	6	NW	6	0	4	—	35		
15	80	80	55.0	51.3	43.7	61.0	3.3	1.3	.342	.344	79	91	N	6	N	4	5	9	—	43	Dull, cloudy, and mild.	
16	28.95	28.95	55.1	49.5	47.3	68.5	2.2	1.7	.371	.311	85	89	NE	4	N	4	7	3	—	46	Sunny and warm.	
17	28.98	29.03	58.3	48.1	46.8	67.3	3.2	0.8	.392	.316	80	94	NE	4	NE	2	6	8	—	46	Sunny and warm.	
18	29.01	29.01	54.9	49.2	46.0	61.3	1.9	1.7	.306	.308	87	89	NE	4	N	4	9	8	—	45	Sunny and warm.	
19	29.06	29.07	56.4	49.8	46.5	67.3	4.3	1.3	.324	.313	89	91	N	4	NW	4	9	9	—	43	Dull, with ☉.	
20	28.98	28.88	50.3	47.5	42.1	59.6	1.5	1.2	.326	.299	90	91	N	4	NW	2	0	0	—	45	Fine and sunny.	
21	72	72	49.5	47.5	45.0	54.3	1.7	0.5	.311	.316	89	96	N	2	N	4	9	10	—	42	Close and warm.	
22	51	49	55.0	45.3	43.5	61.2	3.6	3.5	.335	.227	77	75	NW	4	NW	2	3	5	—	43	Close and warm.	
23	49	54	54.4	45.3	38.0	63.1	5.9	1.2	.275	.274	65	91	NW	4	NW	2	7	5	—	41	Close and warm.	
24	48	37	50.0	51.8	42.6	63.5	2.4	0.8	.300	.364	84	94	NW	2	NW	4	7	10	—	36	Fine and sunny.	
25	20	27	56.9	50.0	43.3	59.7	3.4	0.8	.365	.339	79	94	NW	4	N	2	6	8	—	41	Dull and cloudy.	
26	28.33	28.04	55.5	52.3	48.7	60.0	2.5	0.8	.370	.371	84	95	NW	4	S	4	8	10	—	43	Dull, T ☉.	
27	27.98	28.05	54.3	47.8	45.5	60.1	5.8	3.3	.276	.256	66	78	W	8	W	8	6	6	—	48	Dull, close, and warm.	
28	97	27.92	53.3	48.5	43.2	59.3	7.2	3.5	.238	.259	59	76	SW	6	SW	6	7	7	—	44		
29	27.95	28.34	54.2	45.5	41.8	57.3	4.8	2.4	.295	.250	70	83	W	4	NW	4	5	8	—	41		
30	28.40	28.49	53.7	41.3	40.0	57.5	0.4	1.8	.257	.223	62	86	W	6	NW	4	6	0	—	40	☉ showers.	
31	28.49	28.09	50.2	45.8	39.8	58.3	4.2	2.5	.263	.253	73	82	W	4	NE	6	7	10	—	38	☉ showers.	
M.	28.694	28.689	54.6	49.2	44.3	62.3	4.2	2.0	.320	.309	75	87		4.6		4.3	6.3	5.6	3.05	—	42.6	☉ showers.

## LAUDALE, ARGYLESHIRE, a.—AUGUST 1908.

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	30.24	30.32	59.3	57.5	50.5	62.2	4.0	4.5	385	346	76	73	N	†	3	W	1	10	10	—	—	—	—	—	—	Fine all day. Misty p.	
2	30.24	30.32	59.3	57.5	50.5	62.2	4.0	4.5	385	346	76	73	N	†	3	W	1	10	10	—	—	—	—	—	—	Very fine all day.	
3	30.26	30.32	63.1	58.2	52.2	67.2	2.0	0.2	509	438	77	95	N	4	NW	1	10	10	15	—	—	—	—	—	—	Fine afternoon.	
4	30.1	29.97	58.2	53.0	52.2	59.9	0.3	1.0	476	374	98	93	W	4	NW	3	100	100	08	—	—	—	—	—	—	Damp and misty.	
5	30.00	30.15	57.9	55.2	50.5	65.7	1.8	1.3	425	398	89	91	N	4	NE	3	8	4	—	—	—	—	—	—	—	Fine.	
6	30.18	30.22	67.2	56.7	54.3	67.2	4.3	0.7	509	438	77	95	N	2	NW	1	5	10	05	—	—	—	—	—	—	Misty a. and p. Fine day.	
7	30.10	29.96	60.7	57.3	55.2	64.9	4.7	1.3	387	430	73	91	W	4	W	5	10	10	—	—	—	—	—	—	—	Very fine all day.	
8	29.90	30.04	58.2	60.1	52.2	63.7	5.1	0.4	343	506	71	97	W	4	W	7	8	35	—	—	—	—	—	—	—	Misty, with ☉ showers p.	
9	30.10	29.88	52.2	49.9	49.2	60.1	2.2	2.7	332	292	85	82	W	5	N	4	6	75	—	—	—	—	—	—	—	Misty, with ☉ all day.	
10	30.11	29.99	30.18	55.2	50.1	46.1	60.2	4.5	2.9	317	290	73	80	N	4	N	2	6	20	—	—	—	—	—	—	☉ showers all day.	
11	30.19	29.99	51.0	52.2	40.2	56.2	1.5	0.2	336	385	90	89	S	1	Calm	0	10	10	15	—	—	—	—	—	—	Fine.	
12	29.95	29.94	60.5	47.2	45.1	67.3	3.2	2.3	368	398	80	85	N	1	Calm	0	10	0	—	—	—	—	—	—	—	Misty, with ☉ p.	
13	29.97	30.02	56.7	53.3	49.0	67.0	3.2	0.2	425	273	81	85	N	1	Calm	0	10	0	—	—	—	—	—	—	—	Very fine all day.	
14	30.07	30.12	58.5	53.9	52.2	68.1	1.4	0.6	446	399	91	96	S	1	Calm	0	10	6	01	—	—	—	—	—	—	Very fine all day.	
15	30.14	30.16	65.2	53.1	52.2	70.2	3.2	0.4	507	393	82	97	Calm	0	Calm	0	8	0	—	—	—	—	—	—	—	Very fine all day.	
16	30.17	30.18	60.9	57.2	47.3	71.2	4.9	2.7	384	390	72	83	Calm	0	S	4	0	0	—	—	—	—	—	—	—	Very fine all day.	
17	30.1	30.23	62.2	53.7	46.5	70.2	3.5	0.7	444	392	80	95	N	1	Calm	0	0	0	—	—	—	—	—	—	—	Very fine all day.	
18	30.19	30.19	57.9	54.7	49.2	67.3	2.7	1.4	400	389	83	91	Calm	0	Calm	0	10	5	—	—	—	—	—	—	—	Very fine all day.	
19	30.11	29.96	55.7	56.3	46.0	68.2	0.5	1.3	429	415	90	91	Calm	0	Calm	0	10	5	—	—	—	—	—	—	—	Very fine all day.	
20	29.83	70.5	58.0	54.1	30.3	61.2	1.5	0.9	436	393	90	93	Calm	0	Calm	0	10	5	—	—	—	—	—	—	—	Very fine all day.	
21	72	70	54.2	51.0	49.0	59.1	3.4	2.0	327	323	78	86	N	5	W	3	10	10	—	—	—	—	—	—	—	Dark and cloudy all day.	
22	67	66	59.2	55.1	42.2	64.5	5.1	3.6	355	336	71	77	S	1	S	1	3	10	—	—	—	—	—	—	—	☉ showers all day.	
23	60	41	36.9	36.9	50.0	63.7	1.8	0.9	409	435	89	94	W	1	S	3	100	100	40	—	—	—	—	—	—	Fine all day.	
24	34	46	39.1	56.1	52.2	62.3	2.1	1.1	435	418	87	92	N	1	W	4	10	05	—	—	—	—	—	—	—	☉ p.	
25	51	09	37.0	57.0	52.2	61.3	2.9	0.3	396	456	82	98	Calm	0	S	4	8	100	—	—	—	—	—	—	—	☉ p.	
26	09	21	57.5	55.2	49.2	60.1	4.5	1.2	346	401	73	92	W	7	W	6	7	64	—	—	—	—	—	—	—	☉ p.	
27	05	02	55.3	54.7	49.0	57.3	3.1	2.2	351	366	80	86	W	4	W	6	4	47	—	—	—	—	—	—	—	☉ showers p.	
28	20	52	50.5	52.7	48.2	57.5	0.6	3.0	352	360	95	80	NW	5	NW	5	10	100	—	—	—	—	—	—	—	☉ showers.	
29	63	70	53.2	49.2	46.5	56.7	4.0	1.9	302	303	74	87	NW	5	W	5	100	100	23	—	—	—	—	—	—	☉ showers.	
30	29.60	29.17	57.2	55.3	45.3	60.1	4.0	3.3	354	340	75	79	S	4	S	7	7	07	—	—	—	—	—	—	—	Dull and threatening.	
M.	29.878	29.858	58.2	54.5	48.8	63.9	3.0	1.5	399	385	82	90		2.5		2.5	7.5	7.1	5.17	—	—	—	—	—	—	—	



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—AUGUST 1908.

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.		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.	Min.	Max.	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.	57	53	46	65	7	7	in.	in.	%	%	†	†			ins.	hrs.	°					
2	29.90	29.92	57	53	46	65	7	7	28.3	23.8	61	59	NW	3	0	9	9	—	9.5	37	Fine and bright.			
3	30.01	30.00	66	60	51	70	7	4	406	395	64	76	Calm	0	0	6	2	—	9.5	37	Fine and bright.			
4	29.92	29.86	65	67	54	75	5	7	447	424	73	64	NW	4	0	6	9	—	13.2	40	Fine and bright.			
5	72	60	62	58	55	67	3	1	456	451	82	93	NW	5	0	6	3	—	10.7	43	Fine and bright.			
6	54	66	55	55	52	59	3	1	349	403	81	93	NW	5	0	8	8	0.20	1.5	45	Dull and windy.			
7	80	81	52	47	47	60	1	0	361	323	93	100	W	4	1	8	10	0.10	1.8	46	Dull and windy.			
8	80	84	66	57	46	69	9	1	356	434	56	93	NW	1	3	10	2	—	6.7	45	Cloudy.			
9	80	68	65	57	47	66	8	3	366	377	59	81	W	1	10	3	10	—	8.5	36	Fine and dry.			
10	63	50	62	60	55	67	7	4	347	395	62	76	SW	4	3	7	9	6.0	37	Fine and dry.				
11	34	48	55	48	48	63	2	3	375	263	87	79	W	2	4	10	4	1.90	6.5	45	Fine and dry.			
12	64	81	52	50	42	64	5	1	266	334	69	93	NW	3	1	4	10	0.20	4.5	47	showers.			
13	85	72	52	49	40	53	5	2	266	298	69	86	Calm	0	10	4	10	0.30	8.0	32	showers.			
14	58	54	57	52	42	63	5	2	327	335	70	86	NW	2	1	6	10	—	3.5	30	Fine. T			
15	58	69	54	53	50	58	2	0	360	403	86	100	NW	1	6	9	9	10.2	28	28	Fine and dry.			
16	82	81	60	51	50	65	6	0	360	403	86	100	NW	1	6	10	9	—	0.1	41	41	Fine, but dull.		
17	83	80	51	52	49	57	1	0	366	388	51	100	SE	1	2	0	10	—	11.5	43	43	Fine and dry.		
18	88	84	52	49	49	57	1	0	371	388	100	100	S	1	W	2	10	—	11.0	36	36	Fine.		
19	89	87	53	52	49	55	3	1	361	374	93	100	E	2	N	3	10	0.30	0.1	41	41	Dull and windy.		
20	78	65	52	52	49	58	1	0	322	361	80	93	N	1	W	1	10	0.20	0.6	42	42	Dull and damp.		
21	49	43	54	53	50	56	0	0	361	388	93	100	NW	1	NW	1	9	—	0.1	41	41	Dull and cloudy.		
22	39	43	58	58	48	60	3	3	393	393	81	81	SE	2	NW	2	10	0.20	0.2	42	42	Dull, with showers.		
23	34	41	54	48	43	60	4	1	310	399	74	93	NW	1	NW	1	10	0.50	—	44	44	Dull and damp.		
24	37	28	58	57	43	65	4	4	367	351	76	75	NW	4	Cal	7	1	—	4.5	45	45	Fine and dry.		
25	06	29.11	56	54	50	60	1	3	419	334	93	80	SW	1	SW	2	4	0.20	9.0	29	29	showers.		
26	29.24	28.99	58	60	50	64	5	3	342	423	71	82	SW	2	NW	3	10	0.20	2.6	29	29	Fine and dry.		
27	28.97	29.06	57	52	50	62	5	2	327	335	70	86	W	5	SW	4	2	0.20	4.5	41	41	showers.		
28	86	82	55	52	50	63	2	4	375	287	87	74	W	7	W	7	9	1.60	7.2	41	41	Fine. T		
29	28.92	29.21	53	50	46	60	2	1	347	334	86	93	W	8	N	8	7	0.20	10.0	39	39	showers.		
30	29.32	29.42	55	46	46	58	5	2	302	265	70	86	N	6	N	4	8	1.00	6.5	36	36	Cloudy.		
31	29.42	29.01	52	51	46	60	3	1	310	348	80	93	NW	3	W	5	2	1.20	7.5	35	35	Cloudy.		
M.	29.564	29.553	56.8	53.5	48.1	62.1	4.0	2.0	353	359	77	88	2.9	2.8	6.8	7.5	2.410	184	39.0					in evening.

## DOUGLAS, ISLE OF MAN, a.—AUGUST 1908.

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	30.02	30.04	56.0	55.0	48.5	65.5	1.5	0.3	495	424	90	98	W	3	NW	4	10	—	4.8	Cloudy.	
2	11	30.10	63.0	55.0	53.8	66.8	3.7	2.0	452	375	79	87	SSE	3	NW	1	3	0.23	12.6	Very fine.	
3	30.06	29.99	65.0	61.3	51.0	72.0	2.4	2.3	530	466	86	86	WSW	3-4	W	2	3	—	13.2	Very fine.	
4	29.88	29.74	57.7	54.2	54.0	62.0	2.2	1.2	412	385	86	92	WSW	3	NW	5-6	10	4	—	54	Overcast.
5	67	67	55.5	57.5	54.0	60.5	3.3	3.5	349	372	79	78	NNW	6	NE	3-4	10	10	—	2.4	Cloudy.
6	88	90	60.0	53.2	51.5	60.5	5.0	2.0	369	349	71	86	NNW	3-4	NNW	5-6	0	0.0	—	13.5	Very fine.
7	92	98	58.8	56.0	51.5	65.0	1.8	1.5	439	405	89	90	WNW	5	NNW	6	10	0	—	12.4	Misty a. Very fine.
8	92	82	60.4	57.8	51.5	64.8	4.0	2.8	401	395	76	82	NNW	4	SW	4	2	10	—	6.0	Fine.
9	76	58	60.0	58.8	51.6	65.0	4.0	1.2	395	458	76	93	W	3	SW	3-4	9	0.26	5.0	Cloudy. n.	
10	48	68	53.8	51.0	50.6	59.5	1.0	3.0	386	299	93	80	W	6	WNW	6	10	0.66	6.8	showers p. -p.	
11	79	95	53.3	50.0	47.0	57.2	4.3	3.0	296	286	72	80	WNW	6-7	NW	3	4	0.15	12.8	Very fine.	
12	97	86	54.1	52.5	47.5	57.0	3.2	0.8	331	373	79	94	W	3	WNW	3	10	0.01	0.12	showers a. Overcast.	
13	71	65	54.3	55.3	51.0	59.5	0.3	0.4	413	426	98	97	W	3	NW	4	10	0.01	2.0	Cloudy.	
14	67	74	58.8	57.2	50.6	63.8	2.8	2.2	410	403	83	86	W	3	ENE	2	1	—	13.3	Very fine.	
15	81	82	58.0	57.5	54.8	63.8	3.0	4.3	393	351	81	74	SE	4	NE	2	7	—	9.7	Fine.	
16	87	87	60.0	55.0	55.0	61.0	3.5	3.2	409	344	79	80	E	4	Calm	0	0	—	11.2	Misty a. Very fine.	
17	87	88	61.0	56.5	51.0	66.2	5.0	2.7	383	379	72	83	ENE	4	NNE	4-5	0	—	0.4	Very fine.	
18	94	95	53.0	56.2	52.8	58.0	2.0	1.5	347	408	86	90	NE	4	ENE	4	10	—	—	Overcast.	
19	95	90	54.0	55.8	52.0	58.5	2.7	2.6	342	373	82	83	ENE	4	ENE	4	10	—	0.4	Overcast.	
20	79	62	57.0	56.2	55.0	59.2	4.0	2.0	351	394	75	87	ESE	5	E	5-6	9	0.10	2.4	Dull. n.	
21	51	48	53.8	56.0	53.0	57.5	0.2	1.6	409	402	98	89	E	6	WNW	2	10	—	1.25	Overcast.	
22	55	57	56.4	49.2	48.8	59.8	3.4	1.7	359	308	79	80	NNW	4	W	3	4	0.01	8.2	Fine.	
23	43	45	53.6	54.0	48.5	59.3	3.3	1.7	323	368	78	88	W	4	SSW	3	10	—	1.65	Cloudy.	
24	46	25	57.5	55.7	53.5	61.3	1.4	0.0	432	444	90	100	WSW	4	SW	5	10	0.01	4.12	in afternoon.	
25	14	29.33	56.0	55.0	53.1	60.0	1.1	0.9	388	406	86	94	WSW	7	W	4	10	—	0.64	Dull, with showers.	
26	37	28.99	56.0	57.7	52.5	60.0	1.1	0.5	416	461	92	96	WSW	3	SSW	7-8	10	0.01	5.63	Dull, with showers.	
27	29.18	29.16	55.0	55.5	49.8	60.2	3.0	1.7	349	392	81	89	WSW	7	SW	6	3	10	—	1.92	Fine day. n.
28	28.98	28.99	55.0	52.5	50.0	59.8	3.0	1.9	349	344	81	87	SW	6	SW	6	8	—	0.90	showers.	
29	29.10	29.38	55.0	50.0	48.4	59.3	3.0	2.2	349	304	81	85	WSW	7	WNW	3	8	—	0.13	showers in afternoon.	
30	50	29.57	54.6	49.0	45.1	58.0	4.3	1.9	312	300	74	87	W	6	W	3	3	—	10.4	Fine.	
31	29.43	28.81	56.0	49.5	47.2	57.5	3.8	2.2	345	299	76	85	S	4	WSW	6-7	4	7	7.16	2.4	Dull, with n.
M.	29.668	29.635	56.9	54.7	51.1	61.2	2.8	1.9	382	377	82	88	4.5	3.9	6.7	5.9	3.235	201	48.5		

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—AUGUST 1908.

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.		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.	Min.	Max.	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.			
2	29.93	29.93	57.3	57.3	50.0	62.6	5.7	1.3	316	430	67	91	NW	9	—	3	7	6	—	39		
3	30.00	30.03	57.0	56.5	50.5	72.2	3.7	2.2	488	456	80	87	W	1	—	1	0	—	8.5	48		
4	29.99	29.91	63.0	61.9	52.7	69.9	3.6	3.4	455	444	79	80	W	7	NW	7	9	—	10.1	55		
5	78	62	62.3	59.1	57.8	63.1	2.7	1.3	471	400	84	92	W	7	W	7	9	10.23	1.5	49		
6	52	66	56.4	56.2	53.1	60.0	4.9	3.7	324	352	71	77	N	9	NNE	6	10	8	—	48		
7	76	79	57.6	57.0	53.1	66.9	4.6	2.0	346	405	73	87	NE	6	—	1	10	0	10.08	8.5	48	
8	82	84	59.0	57.8	51.9	65.8	2.3	2.4	427	407	86	84	W	7	WSW	4	4	4	—	8.7	43	
9	83	75	61.0	56.5	49.2	65.4	4.7	2.1	391	395	74	86	W	7	—	2	4	4	10.28	10.3	44	
10	68	57	59.0	61.6	54.1	64.5	1.6	3.1	448	448	90	82	WSW	7	SW	5	10.0	10	0.95	1.3	49	
11	37	56	60.0	53.4	52.3	61.6	3.0	4.2	423	300	82	73	SW	12	WNW	8	10.0	3	2.75	4.2	47	
12	71	83	49.0	51.0	47.7	57.4	3.0	4.5	276	266	79	71	NW	12	NW	7	10.0	2	—	10.2	43	
13	68	77	54.7	53.0	39.3	57.9	5.9	2.0	279	347	65	86	W	8	—	2	4	10	0.80	4.9	32	
14	61	53	55.2	55.6	51.1	61.8	2.8	1.6	357	396	82	89	WNW	8	—	0	10	0	—	3.6	47	
15	57	67	59.0	56.7	50.1	67.1	4.0	3.3	380	305	76	79	E	6	E	7	7	2	—	4.4	44	
16	73	77	59.0	59.0	48.3	66.9	4.0	5.5	380	342	76	69	E	6	E	7	7	2	—	8.3	43	
17	80	78	58.0	57.8	48.9	67.4	4.0	7.3	367	288	76	60	—	3	—	2	0	0	—	10.5	43	
18	79	81	57.8	54.0	46.3	66.9	4.8	3.0	344	334	72	80	NE	4	—	2	0	2	—	10.6	39	
19	85	87	55.2	55.5	50.3	59.0	4.2	3.3	323	349	74	79	E	4	—	2	10	10	—	—	43	
20	87	83	55.0	55.0	51.8	60.5	5.0	3.5	302	337	70	78	—	3	NE	4	10	10	—	—	47	
21	73	59	54.6	54.8	51.6	59.0	4.3	2.8	312	351	74	82	ENE	8	E	10	10	10.0	8.50	—	48	
22	42	38	53.3	57.0	52.6	60.6	3.3	2.0	318	405	78	87	NNE	4	—	2	10.0	10.0	1.08	3.5	48	
23	43	47	57.3	52.0	58.9	3.0	2.7	382	318	81	82	W	7	W	4	10	5	0.22	4.8	44		
24	37	39	53.8	50.4	45.0	58.4	3.8	2.1	312	313	75	86	W	5	—	1	8	6	1.70	5.2	37	
25	41	26	57.0	58.5	48.8	63.3	1.7	3.0	414	400	89	81	W	4	S	15	10	10.0	4.40	1.7	42	
26	11	21	56.0	57.0	53.3	59.4	2.0	2.2	391	399	87	86	SW	14	W	11	10.0	10	4.00	2.7	49	
27	32	05	58.2	59.2	54.0	61.9	4.0	1.9	369	442	76	89	WSW	10	SSW	18	8	10.0	8.20	1.6	50	
28	29.11	29.14	56.0	54.5	51.3	60.9	4.0	3.1	340	339	75	79	W	15	SW	9	8	0	3.40	9.7	46	
29	28.92	28.96	56.5	52.4	51.1	60.1	4.7	2.6	328	326	71	83	WSW	12	SW	10	8	10.0	0.60	6.4	46	
30	29.03	29.28	57.0	52.0	50.3	58.5	4.7	4.0	334	287	72	74	WSW	21	WNW	5	8	7	0.38	8.8	44	
31	43	29	55.3	50.0	46.1	56.9	4.3	3.0	323	286	73	80	W	11	W	4	7	10.0	2.15	9.2	39	
32	29.42	28.81	54.2	53.6	45.3	57.1	3.2	1.5	332	369	79	90	SW	5	S	16	9	10.0	3.40	1.2	38	
M.	29.586	29.564	57.2	55.8	50.4	62.4	3.8	2.9	363	366	77	82		8		6	7.7	6.2	4.312	17.1	—	



SHREWSBURY, SHROPSHIRE.—AUGUST 1908.

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

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	61.0	58.0	47.8	68.0	0	0	in.	in.	%	%	+	+			ins.	hrs.		
2	30.11	30.09	61.0	58.0	47.8	68.0	5.3	1.1	37.6	44.8	71	92	NNW 2-3	NW	1	7	2	02	—	46
3	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NW	1	WNW	1	7	0	—	53
4	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	WNW 1-2	W	1	0	0	02	—	47
5	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	WSW 2	WSW	1	9	10	02	—	52
6	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	NW 2-3	NW	3	10	10	01	—	54
7	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NNW 4	N	1	10	4	—	—	51
8	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	NW	1	NW 1-2	8	—	—	—	46
9	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NW	1	WNW	1	2	3	—	44
10	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	WNW 2-3	WSW 1-2	7	8	—	—	—	51
11	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SW	4	SW	1	10	0	14	48
12	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	NW	3	NW	2	3	7	03	42
13	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NW	2	NW	1	7	8	—	41
14	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	NW	3-4	NNW	3	10	0	04	51
15	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NW	1	Calm	0	9	10	—	48
16	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	SE	1	Calm	0	8	0	—	48
17	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SE	1	Calm	0	10	0	—	40
18	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	SE	1	Calm	0	10	0	—	38
19	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SE	1	Calm	0	10	10	—	43
20	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	SE	1	SE	1	10	7	—	54
21	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SE	3	SE	3	10	10	42	50
22	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	ESE	2	Calm	0	8	5	07	54
23	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	NNW	4	S	1-2	10	7	05	49
24	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	NW	2	Calm	0	10	10	44	49
25	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SSW	3	SW	3	6	10	53	49
26	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	SW	3	SW	3	7	10	04	49
27	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	WSW	2	WSW	5	10	10	42	48
28	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	W	3	WNW	2	7	2	18	47
29	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	SW	5	SW	5	6	7	07	48
30	29.97	29.83	66.0	60.0	53.9	69.8	2.6	1.6	54.3	46.6	85	90	SW	4-5	WNW	3	3	4	—	47
31	30.16	30.08	60.0	61.9	48.3	80.9	5.1	0.9	53.8	52.2	73	95	WSW	2	WSW	1	3	2	04	40
M.	29.771	29.743	53.7	56.1	49.6	66.7	3.2	1.6	407	405	81	90	SSE	3	SSE	4	9	0	64	43

CAMBRIDGE, a.—AUGUST 1908.

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

1	30°25	30°25	59°0	58°5	45°5	69°4	6°3	4°3	323	365	65	74	NW	5	N	4	9	0	—	11°6	40	Fine and sunny all day.
2	33	35	64°0	57°5	46°0	69°0	8°1	3°0	349	386	59	81	N	5	Calm	0	0	0	—	12°5	41	Fine and sunny all day.
3	32	30°22	68°0	67°5	44°0	81°2	6°2	5°0	464	492	67	73	NW	1	Calm	0	0	4	—	12°1	40	Fine and sunny all day.
4	30°16	29°99	71°0	61°9	52°5	77°1	7°0	3°7	494	434	65	98	W	2	NW	2	5	6	°01	7°0	46	Sunny a. Overcast p.
5	29°78	30°05	56°7	56°6	54°0	62°2	3°3	0°7	365	438	79	75	NW	5	NW	6	10	10	°15	0°2	54	Overcast. • showers p.
6	29°95	30°05	62°1	58°8	55°5	64°9	4°4	2°3	418	425	75	86	N	7	N	5	9	10	—	1°9	55	Overcast most of day.
7	30°11	30°14	58°4	57°8	54°7	70°0	3°4	0°8	388	454	79	94	NW	4	Calm	0	8	4	—	1°0	55	Sunny intervals.
8	30°09	29°07	57°7	56°0	50°9	65°9	1°0	0°0	447	449	94	100	Calm	0	Calm	0	10	4	—	0°5	46	≡ till 8a. Overcast.
9	30°06	29°97	67°0	64°9	50°8	75°0	7°2	3°1	419	505	63	84	Calm	0	Calm	0	7	10	—	8°9	47	Fine and sunny till 4p.
10	29°85	29°89	66°0	51°5	51°5	72°5	5°6	0°4	446	369	70	97	SW	3	NW	2	9	0	°01	5°3	51	Sunny intervals. • p.
11	30°06	30°15	58°9	52°2	45°5	65°0	6°9	4°0	309	290	61	74	W	5	NW	4	5	2	°05	10°4	41	• showers. Sunny intervals.
12	30°20	30°09	56°2	56°0	39°1	66°0	5°2	5°0	314	317	69	70	NW	2	W	4	8	10	°08	8°0	34	Sunny till 3.30 p.
13	29°93	29°85	57°1	53°5	50°5	63°0	2°3	2°6	398	339	85	82	NW	3	Calm	0	10	10	—	3°6	50	• 3a. Overcast a. Sunny p.
14	29°87	29°66	56°0	54°5	48°7	62°5	3°0	1°0	365	396	81	94	NW	4	N	2	10	0	—	1°3	40	Overcast till 5.30p.
15	30°03	30°08	56°0	49°4	47°9	70°4	1°2	1°5	413	315	92	90	N	1	Calm	0	6	0	—	0°9	39	≡ 2 a. Sunny 3.30a.-7p.
16	31°11	30°09	52°7	56°0	42°5	70°5	0°0	5°0	399	317	100	70	W	1	N	2	10	1	—	9°6	36	≡ 2 6a. Sunny 9a.-7p.
17	31°12	31°12	57°0	56°4	44°9	67°4	3°0	2°9	377	372	81	82	NW	1	N	3	9	10	—	9°8	38	Misty 6a. Sunny 8a.-6p.
18	31°14	31°16	56°0	56°3	52°9	62°5	1°2	1°8	413	401	92	88	N	2	N	3	10	7	—	—	48	Overcast all day.
19	31°16	30°13	58°0	58°7	53°0	65°6	3°8	3°7	372	384	77	77	N	2	NNE	4	10	10	—	1°5	50	Overcast all morning.
20	30°04	29°85	58°0	58°0	49°6	61°9	3°6	0°5	377	467	78	97	SW	4	NE	2	10	100°	°20	—	46	• 2p.-3p., and 7p.-11p.
21	29°74	75	63°4	56°7	56°7	74°9	1°6	1°7	527	409	91	89	SW	2	Calm	0	5	0	—	31	72	Sunny from 9a.
22	75	85	61°7	53°8	53°1	68°1	1°1	2°4	512	348	94	84	S	1	Calm	0	8	0	°05	1°9	46	• 1a.-2a. • 6a.-8a. T 1p.
23	80	77	53°0	51°2	50°9	55°1	1°0	0°2	374	371	93	99	SW	3	Calm	0	10	4	°32	—	43	• 7a.-noon, and 1p.-6p.
24	78	77	59°7	56°7	51°0	74°9	1°8	2°7	455	381	89	83	W	2	SW	1	10	8	—	8°6	45	• 3a. Sunny 9a.-6p.
25	61	66	63°4	58°2	56°0	69°7	6°3	3°7	386	377	66	78	SW	6	WSW	6	6	2	—	10°0	49	Sunny intervals.
26	75	64	63°0	62°0	52°5	68°8	7°0	3°4	361	444	63	80	W	5	SW	8	5	10	°12	4°5	49	Sunny 6a.-9.30a.
27	54	61	61°9	55°0	55°0	68°4	5°9	4°0	373	325	67	75	WSW	6	W	4	0	0	°10	8°8	57	• 6a. and 2p.
28	40	44	58°0	54°9	50°1	65°0	2°3	3°8	413	329	85	76	SW	6	SW	7	10	0	°10	3°9	44	• 6a.-7p. K° 1p.
29	55	67	61°0	54°3	51°5	66°2	6°3	3°0	351	339	66	80	SW	7	SW	2	5	1	°11	10°6	45	Fine till 3p., then K° 2.
30	81	87	57°6	46°0	46°0	66°3	3°5	0°1	374	309	79	99	SW	1	Calm	0	5	1	°05	7°2	41	T in afternoon.
31	29°87	29°36	57°5	55°0	44°0	63°2	4°6	1°2	344	397	73	92	SW	3	SW	6	9	10	°38	3°2	38	• 4p.-8p.
M.	29°42	29°25	59°9	56°3	49°9	67°8	4°0	2°5	397	385	77	81		3°2	2°5	7°5	4°6	2°04	188	45°5		

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—AUGUST 1908.

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.		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.	Min.	Max.	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.	61°8	59°7	46°5	70°6	°	°	in.	in.	%	%	W	†	†				ins.	hrs.	°	
2	30°14	30°10	61°8	59°7	46°5	70°6	°	°	371	382	67	74	W	2	NW	1	3	0	—	13°6	42	Very pleasant day.
3	'21	'18	64°9	60°9	52°5	74°7	5°3	5°3	436	373	71	70	W	1	W	1	0	0	—	12°3	47	Very pleasant day.
4	'20	30°08	68°9	68°2	52°5	82°6	4°6	4°2	531	531	75	77	Caln	0	Caln	0	0	0	—	14°1	48	Very pleasant day.
5	30°00	29°85	72°9	61°2	54°8	76°4	7°4	4°3	518	406	64	75	SW	2	Caln	0	0	10	—	8°6	60	Pleasant day.
6	29°68	'71	56°7	57°7	55°3	63°6	2°9	3°8	375	366	82	77	NW	3	N	3	7	4	'02	0°6	55	Dull, with showers.
7	'86	29°94	58°7	59°7	55°0	63°9	5°1	3°3	348	410	70	80	NE	3	NE	3	10	10	—	0°8	53	Dull day.
8	29°99	30°00	63°7	61°7	48°5	76°0	5°0	3°9	425	424	72	77	NW	1	W	1	8	2	—	9°5	43	Dull a. Fine p.
9	30°01	29°95	61°7	61°7	49°8	74°4	4°9	3°2	397	444	72	81	N	1	W	1	8	6	—	7°5	44	Bright day.
10	29°91	'82	66°3	62°1	48°7	70°8	6°6	2°6	422	470	65	84	SW	1	SE	2	7	1	—	5°7	44	Bright day.
11	'67	29°80	62°9	57°7	53°4	68°9	4°6	3°1	424	385	74	81	SW	3	W	2	10	1	'09	3°8	45	Dull. 3 p.-4 p.
12	29°95	30°01	59°7	54°5	43°4	68°4	8°1	4°7	294	393	57	71	W	4	W	2	2	3	—	12°3	38	Very pleasant day.
13	30°08	29°96	56°9	54°1	41°2	65°1	6°5	4°2	293	308	63	73	W	3	W	3	2	4	—	7°8	37	Pleasant day.
14	29°75	'71	58°3	58°5	48°3	64°9	4°7	1°0	353	459	72	93	W	2	W	1	10	10	'02	0°5	43	Dull day. 8 p.
15	'74	79	61°5	56°7	53°7	68°8	4°7	4°1	399	344	73	75	NW	2	Caln	0	3	2	—	5°0	53	Pleasant day.
16	'88	'91	57°7	57°7	52°1	69°4	4°1	5°1	360	335	75	70	NE	3	NE	3	10	0	—	5°3	48	Bright day.
17	'93	'93	59°4	60°5	47°2	71°4	4°1	6°1	382	349	75	66	NE	4	NE	1	1	0	—	12°6	41	Very pleasant day.
18	'96	29°92	62°0	58°3	43°9	72°6	7°4	5°4	339	335	61	69	W	1	NE	1	0	0	—	12°2	37	Very pleasant day.
19	'99	30°00	54°7	57°7	53°5	60°4	2°9	5°1	348	335	81	70	E	2	NW	1	10	0	—	—	49	Dull day.
20	'99	29°95	58°9	54°7	54°7	65°2	4°3	1°9	370	373	74	87	NW	1	NW	1	10	0	—	1°5	48	Dull day.
21	'78	'61	56°4	59°0	53°5	61°2	2°8	0°7	374	477	82	95	E	4	SW	1	10	10	'13	—	47	Dull. 4 p.
22	'57	'55	66°7	61°1	58°5	70°4	6°4	2°3	434	462	66	85	SW	4	SW	2	2	10	'01	7°6	55	Bright a. Dull afternoon.
23	'61	'65	60°1	55°3	55°3	64°4	2°4	3°2	441	348	85	80	W	3	SW	1	10	0	'28	2°3	56	Dull a. Pleasant afternoon.
24	'68	'61	53°1	52°7	52°7	56°2	0°7	0°1	384	396	95	99	SE	3	SE	1	10	10	'56	—	49	all day from 5a.
25	'64	'59	66°7	60°9	52°7	71°2	4°2	3°9	501	412	77	77	SW	2	SE	2	7	2	'06	9°4	53	Pleasant day.
26	'44	'53	62°7	57°2	56°0	71°4	4°6	3°4	421	370	74	80	SW	5	SE	3	6	0	'06	8°6	51	Pleasant day.
27	'52	'42	59°2	62°5	51°7	67°4	0°9	5°8	473	384	93	68	SW	1	SW	4	0	9	'32	1°0	38	Dull, with showers.
28	'40	'47	63°0	55°7	53°9	67°2	6°2	2°9	381	361	66	81	SW	5	SW	3	6	0	'41	12°3	51	Very pleasant day.
29	'22	'32	61°5	54°7	54°0	64°0	5°0	2°8	389	351	71	81	SW	4	SW	2	4	10	'27	4°0	50	Dull. T 11a. 5 p.
30	'39	'53	58°7	54°1	51°5	63°4	4°3	2°5	367	349	74	82	SW	3	SW	2	8	0	'04	10°2	48	Pleasant a. R
31	'67	'74	59°2	50°7	50°5	63°4	5°6	2°9	343	297	68	80	SW	1	SW	1	6	0	'07	8°2	44	Pleasant a.
31	29°67	29°14	56°2	52°0	49°2	57°6	4°1	2°9	338	313	75	80	SW	4	SW	5	10	3	1°08	0°1	43	Dull and stormy, with s.
M.	29°792	29°767	61°0	58°0	51°4	67°9	4°7	3°5	395	382	73	79	2°5		1°7	5°8	3°5	3°42	197	47°0		

WOOLACOMBE, DEVONSHIRE, a.—AUGUST 1908.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $4^{\circ} 12' W.$  Lat.  $51^{\circ} 10' N.$  Gravity Correction,  $+0.16$  in.

1	30°25	30°21	61°7	60°7	52°4	66°0	3°5	2°9	436	437	79	82	NW	1	N	3	1	0	—	11°4	—
2	26	29	67°1	65°3	56°0	72°2	7°1	6°5	424	410	64	65	NE	3	NE	0	0	—	12°2	—	
3	30	30°24	64°5	58°7	57°0	68°8	4°1	0°9	465	465	77	93	Calm	0	Calm	0	0	—	11°7	∞ all day.	
4	30°17	29°98	59°3	61°3	57°0	64°0	1°5	1°5	457	491	90	90	SW	2	SW	1	10	9	1°0	—	
5	29°86	29°91	57°7	59°5	55°6	63°4	3°8	5°6	367	346	77	68	N	3	N	4	9	2	5°0	—	
6	29°96	30°06	62°3	61°1	57°8	65°8	5°8	4°4	381	401	68	75	NE	3	N	2	1	1	7°5	—	
7	30°12	12	62°7	60°9	55°0	67°4	3°5	2°9	453	441	79	82	NW	3	NW	1	0	0	13°7	—	
8	13	30°09	64°1	60°1	53°0	67°0	5°3	2°3	424	444	71	85	Calm	0	NW	1	1	0	13°7	—	
9	30°06	29°97	63°9	60°7	58°0	68°4	4°3	2°1	449	462	75	87	NW	1	SW	2	1	0	11°3	—	
10	29°81	29°96	60°5	58°5	56°4	63°4	1°1	5°6	489	334	93	68	SW	3	NW	3	10	0	0°8	—	
11	30°12	30°19	56°1	57°7	55°4	61°4	3°4	4°4	355	352	79	74	NW	3	NW	3	1	1	12°0	—	
12	30°20	30°09	59°7	56°7	53°6	62°6	5°4	5°4	345	315	67	68	NW	2	NE	1	1	5	12°5	—	
13	29°99	29°86	60°7	60°9	52°2	63°0	4°0	1°1	406	496	76	93	NW	2	Calm	0	1	9	0°3	—	
14	86	91	61°5	58°7	58°7	66°0	4°8	2°0	396	431	73	87	NW	1	NE	1	9	7	4°2	—	
15	93	96	57°3	57°7	57°0	67°0	1°8	1°0	416	446	88	93	NE	1	Calm	0	10	2	4°3	—	
16	29°98	29°99	64°7	58°7	50°2	69°2	5°3	4°0	433	375	71	76	NE	2	NE	3	3	1	11°2	—	
17	30°02	30°01	65°1	58°9	53°0	69°0	7°3	7°2	386	303	62	60	NE	2	NE	1	0	0	13°3	—	
18	05	30°05	64°3	57°7	53°6	67°0	7°3	3°8	374	367	62	77	S	1	E	2	2	0	10°1	—	
19	30°03	29°99	65°1	58°5	55°0	68°0	5°5	4°4	434	362	70	74	NE	3	E	3	4	0	18	—	
20	29°76	66	57°7	60°9	54°0	63°0	1°2	2°1	439	465	92	87	SE	3	SE	2	10	5	0°3	—	
21	61	59	59°9	58°7	56°2	64°6	2°1	0°9	447	465	87	93	SW	4	E	2	8	7	2°2	—	
22	80	86	58°3	59°7	57°8	62°4	2°0	1°9	425	451	87	88	NW	4	NW	4	10	9	3°3	—	
23	74	73	60°5	60°7	56°0	62°0	1°1	0°9	489	500	93	94	SW	4	SW	5	10	10	0°5	—	
24	81	68	61°9	61°7	59°6	64°4	1°9	2°3	487	472	88	85	NW	3	SW	4	1	4	9°5	—	
25	61	71	60°7	59°5	58°6	63°2	2°9	2°3	437	434	82	85	W	4	W	4	1	2	0°5	—	
26	72	61	60°7	61°7	57°2	64°2	0°9	2°5	500	467	94	84	SW	4	SW	4	10	10	0°8	—	
27	59	58	61°3	58°3	56°8	63°6	2°5	2°6	461	409	84	84	SW	2	SW	4	8	0	30	—	
28	38	45	59°5	57°9	55°6	63°0	2°5	3°6	430	375	84	78	W	3	SW	5	8	5	19	—	
29	55	66	58°7	58°1	53°6	62°4	4°2	3°4	370	382	75	80	W	4	W	4	7	1	16	—	
30	86	91	59°7	57°7	55°0	61°0	2°7	3°4	427	377	83	80	NW	3	NW	4	5	7	0°3	—	
31	29°73	29°29	56°9	57°3	52°0	58°6	3°2	3°6	370	366	80	78	S	4	SW	5	10	1	57	—	
M.	29°91	29°89	61°1	59°5	55°5	64°9	3°6	3°1	425	414	79	81		2°5		2°6	4°9	3°9	3°21	242	—

∞ all day.  
Misty 9p.

3p.  
Rough wild day.

T 10a.  
4p.

Rough day. (gale) n.

† Beaufort Scale (0-12).



SOUTHAMPTON, HAMPSHIRE, a.—AUGUST 1908.

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° Fht. at Station Level.		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.	Min.	Max.	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	hrs.	°		
2	30.25	30.21	64.2	62.7	50.8	75.4	7.3	4.9	.372	.413	62	72	NW	2	N	2	2	1	—	13.9	43	Very fine and warm.
3	30.29	30.22	67.0	59.0	54.0	75.0	6.8	2.0	.430	.436	65	88	NE	2	SW	2	0	0	—	13.6	50	Cloudy a. and p. Very fine and warm.
4	30.31	30.22	67.0	62.3	51.1	81.4	6.0	2.0	.453	.493	68	88	SW	1	SW	1	0	0	—	12.8	43	Cloudy a. Very fine and warm.
5	30.15	30.10	71.1	63.0	55.7	80.0	5.6	3.4	.542	.462	71	80	NW	1	NW	3	1	6	—	7.4	48	Very fine and warm a.
6	29.76	29.82	62.1	59.0	57.9	63.9	5.1	3.0	.398	.407	71	82	NW	4	N	4	8	7	—	1.0	56	Dull.
7	29.90	30.01	62.2	60.6	56.8	69.9	4.1	2.3	.427	.455	77	86	NE	5	N	4	2	2	—	8.4	54	Fine, with pleasant breeze.
8	30.09	30.11	64.3	67.9	55.8	80.1	4.4	3.8	.454	.539	76	79	NE	3	N	1	0	0	—	11.3	53	Very fine and warm.
9	30.05	29.98	65.2	64.0	53.9	78.0	3.9	4.4	.485	.449	79	75	NW	1	NW	2	0	0	—	13.3	48	Very fine and warm.
10	29.86	29.98	66.0	66.2	52.3	76.1	8.4	5.6	.370	.450	58	70	NE	1	WSW	3	1	10	—	11.6	47	Very fine till 4 p., then cloudy.
11	30.10	30.18	66.6	56.0	45.9	68.0	7.6	6.7	.315	.280	60	62	NW	3	NW	2	1	2	—	4.4	47	Fine and breezy. Cloudy p.
12	30.21	30.09	58.4	56.0	45.0	67.9	7.0	4.6	.301	.326	61	72	NW	2	NW	2	1	0	—	12.5	36	Very fine.
13	29.96	29.83	61.3	65.9	47.8	71.3	6.9	3.8	.341	.500	63	79	NW	3	NW	2	1	10	—	11.5	38	Very fine.
14	29.86	29.91	63.1	62.0	52.6	70.5	6.9	4.0	.365	.402	64	73	NW	1	NE	1	0	10	—	4.3	40	Fine, but cloudy.
15	29.98	30.02	58.4	57.0	50.9	70.0	3.9	2.9	.375	.380	77	82	NE	3	SE	2	3	0	—	5.6	44	Very fine, then dull and close.
16	30.03	30.04	65.0	58.1	49.3	69.0	7.2	3.0	.385	.395	62	81	SE	2	SE	1	1	0	—	7.4	46	Fine day. Cloudy p.
17	30.08	30.06	61.9	57.7	48.8	72.0	6.7	2.7	.353	.397	63	83	NE	3	SW	1	0	0	—	8.4	41	Very fine and warm. Cloudy p.
18	30.11	30.05	57.0	57.2	50.1	61.8	3.1	2.4	.374	.397	80	85	NE	2	NE	2	10	10	—	13.0	42	Gloomy and misty. Cloudy p.
19	30.11	30.05	60.2	57.9	51.0	67.8	3.8	3.6	.404	.376	77	78	NE	2	NE	3	10	1	—	10.0	32	Fine day. Cloudy p.
20	29.87	29.75	60.2	60.2	54.3	68.1	2.0	0.8	.456	.495	88	95	ENE	4	SW	2	10	10	—	1.84	—	5 a.-6 a. and 5 p.-8 p.
21	74	71	63.2	61.0	55.7	69.2	3.4	1.8	.466	.477	80	89	SW	4	S	2	5	10	—	2.50	9.9	Cloudy p. 7 a.-7 p.-8 p.
22	70	69	63.2	58.1	57.7	69.8	2.6	3.0	.490	.395	85	81	NW	3	NW	4	8	3	—	1.18	6.0	Cloudy p. 7 a.-7 p.-8 p.
23	79	79	55.2	53.4	53.1	61.6	0.5	0.3	.422	.401	97	98	S	3	NE	5	10	10	—	5.66	—	Cloudy p. all day.
24	81	81	66.3	60.0	53.2	72.7	4.2	1.9	.495	.456	77	89	NW	4	SW	5	5	8	—	2.05	10.9	Cloudy p. at times.
25	67	73	63.2	58.4	57.0	67.8	4.5	3.3	.432	.391	75	80	W	4	NW	3	7	3	—	0.23	10.5	Cloudy p. 3 a.-5 a., and 2 p. and 4 p.
26	78	70	63.1	61.5	53.7	68.4	2.6	1.7	.489	.480	84	90	W	3	SW	6	9	9	—	3.21	2.2	Fine day.
27	60	65	63.7	57.0	56.9	66.7	3.4	0.9	.475	.437	80	94	W	4	W	1	4	0	—	0.6	1.686	Cloudy p. 3 a.-3.30 a., and 1 p.-2 p.
28	46	52	55.1	56.5	53.1	63.0	0.5	1.9	.420	.401	96	88	W	6	SW	6	10	0	—	2.70	3.1	Cloudy p. 2 a.-11 a. 1 p.
29	61	73	61.1	54.1	53.7	64.7	5.7	0.8	.367	.396	68	94	WSW	5	WNW	1	5	0	—	1.76	10.1	Cloudy p. noon and 1.30 p.
30	84	92	57.7	51.1	49.3	65.8	2.4	1.1	.406	.347	85	92	WNW	2	W	1	7	0	—	1.50	8.7	Cloudy p. 2 p., 3 p., and 5 p.
31	29.88	29.36	57.5	58.1	46.8	60.5	2.3	0.0	.405	.484	85	100	SW	3	SW	8	9	10	—	9.50	0.3	Cloudy p. 3 p.-10 p.
M.	29.935	29.921	62.3	59.3	52.6	69.8	4.7	2.8	.416	.423	74	84	2.9	2.7	4.3	4.0	4.909	235	46.7			

PLYMOUTH, DEVONSHIRE, a.—AUGUST 1908.

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

1	30.21	30.18	66.0	62.8	52.1	67.7	7.1	5.6	*403	*397	64	60	—	3	N	4	2	0	—	13.8	48	Fine and sunny.	
2	.22	.27	69.0	60.2	52.7	73.1	4.7	1.8	.527	.463	75	80	E	4	0	0	0	0	—	13.6	49	Fine and sunny.	
3	.27	.21	68.3	61.8	51.0	70.3	9.2	3.8	.387	.429	55	78	—	0	—	3	0	0	—	13.8	55	Fine and sunny.	
4	30.15	30.03	66.0	62.4	53.1	73.4	5.2	0.2	.458	.567	72	89	—	0	N	5	6	7	—	5.7	51	Fine and sunny.	
5	29.83	29.85	58.0	59.7	55.7	63.0	4.1	7.6	.365	.304	76	60	N	15	N	5	7	0	—	5.0	53	Cloudy, with sunny intervals.	
6	29.92	30.01	64.8	63.5	54.4	69.1	7.9	7.3	.367	.361	62	68	N	16	—	2	5	6	—	9.9	50	Fine and sunny.	
7	30.08	.12	69.8	69.8	53.0	75.9	9.0	8.7	.416	.423	57	58	N	5	N	5	0	0	—	13.5	51	Very fine and sunny.	
8	.12	30.08	67.2	59.8	55.0	74.7	6.0	2.6	.457	.432	68	84	—	2	NW	10	3	2	—	13.5	50	Very fine and sunny.	
9	30.05	29.98	60.6	63.0	52.1	73.1	0.9	5.9	.499	.390	94	68	—	0	S	4	8	9	—	1.7	49	Cloudy.	
10	29.84	29.96	63.2	56.0	53.2	67.9	5.0	4.8	.418	.322	72	71	WNW	9	—	2	8	0	—	3.9	48	Fine.	
11	30.11	30.17	60.9	59.9	48.3	64.7	9.1	7.8	.287	.302	53	59	NW	17	—	3	3	0	—	12.1	42	Fine.	
12	30.18	30.12	62.1	55.0	53.9	66.0	8.8	5.0	.307	.302	55	70	NNW	5	N	7	5	7	—	8.0	49	Fine.	
13	29.97	29.87	62.2	63.6	47.1	68.1	7.1	9.3	.348	.316	62	54	N	9	NNW	8	3	7	—	10.1	49	Fine.	
14	.85	.87	65.1	62.3	59.3	69.9	4.9	4.1	.402	.429	73	76	NW	8	NW	5	7	7	—	3.7	57	Fine.	
15	.91	.94	60.5	58.1	57.8	63.4	4.4	1.9	.392	.426	75	87	SE	11	ESE	4	10	8	—	0.4	51	Overcast.	
16	.94	29.97	63.2	58.2	52.8	68.0	5.3	4.2	.409	.364	71	75	E	12	E	6	7	0	—	10.3	45		
17	29.99	30.01	64.0	56.3	55.7	69.9	7.1	6.5	.374	.288	63	63	E	16	S	6	0	0	—	13.3	46	Very fine.	
18	30.02	30.01	61.2	58.2	53.4	66.4	4.2	4.3	.408	.363	76	75	SE	13	ENE	13	7	0	—	7.5	42	Fine.	
19	29.99	29.94	64.5	61.2	56.8	68.1	5.6	4.3	.422	.405	70	76	ENE	17	NE	15	5	7	—	5.0	8.3	50	Fine.
20	.72	.65	59.3	59.0	57.5	62.8	0.4	0.9	.493	.470	97	95	E	19	SE	13	10.0	7	—	1.7	—	56	Dull, with ●.
21	.61	.51	59.0	58.7	57.8	61.4	2.1	0.6	.433	.473	87	96	S	28	SE	15	10	10	—	1.0	55	Dull, with ●.	
22	.78	.90	57.6	58.8	58.0	65.2	1.7	2.7	.440	.413	89	84	NW	15	W	10	10	9	—	14	8.0	56	● showers.
23	.81	.79	57.6	61.2	55.9	64.9	1.6	1.2	.426	.500	80	93	W	19	SW	19	10.0	10	—	10.2	0.5	55	● showers.
24	.82	.75	63.0	62.7	59.0	67.9	4.8	3.1	.420	.466	73	82	WNW	11	SSW	24	7	10	—	10.4	9.3	56	Fine.
25	.64	.75	63.2	64.2	59.6	67.6	4.1	7.4	.444	.369	77	61	SW	20	W	10	6	0	—	10.4	9.3	56	● showers.
26	.77	.60	61.6	62.3	57.1	66.6	1.3	1.8	.503	.500	92	89	SW	18	S	36	9.0	10	—	1.4	8.3	52	Squally, with ● showers.
27	.59	.61	61.8	58.0	57.9	66.1	2.8	1.5	.459	.436	83	90	SW	16	S	13	7.0	0	—	1.31	7.8	51	● showers.
28	.40	.50	54.2	59.7	53.9	63.6	0.3	5.4	.412	.355	98	69	WSW	18	SW	23	10.0	8	—	14	6.7	52	R <sup>0.2</sup> early α. Squally.
29	.57	.72	61.0	55.5	55.1	65.1	4.8	2.5	.388	.370	73	84	SW	18	WSW	8	4	3	—	10.6	11.4	50	● showers.
30	.83	.93	60.4	53.3	51.2	64.7	5.7	2.7	.358	.333	68	82	W	10	W	6	6.0	0	—	10.7	9.9	44	● showers.
31	29.77	29.37	57.7	56.7	48.9	60.0	2.9	5.5	.392	.313	82	67	S	29	SW	19	10	0	—	10.8	0.4	43	Stormy, with ●.
M.	29.902	29.892	62.4	60.1	54.5	67.4	4.8	4.2	.413	.396	74	76		12		10	6.0	4.1	3.95	235	50.3		

\* Miles per hour.

† Beaufort Scale (0-12).

ARMAGH, a.—AUGUST 1908.

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.		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.	Min.	Max.	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.		
	ins.	ins.							in.	in.	%	%	*	*			ins.	hrs.	°		
1	30°10	30°13	58°7	59°5	52°8	70°9	0°5	2°5	478	429	97	85	WSW	4	—	1	100°0	0	—	2°3	46
2	30°10	30°16	59°6	61°0	56°2	73°2	1°4	2°0	466	470	91	88	—	2	—	2	10	0	—	8°0	51
3	30°15	30°06	68°5	63°0	57°0	79°0	4°0	2°0	543	506	78	88	—	2	—	2	0	4	—	11°5	53
4	29°94	29°88	58°4	55°2	55°2	64°5	1°8	2°8	433	357	89	82	SW	4	—	2	10	10	—	—	55
5	29°84	29°96	54°6	51°0	51°0	61°7	2°8	2°0	350	323	82	86	N	4	—	2	10	1	—	3°6	49
6	30°01	30°02	54°8	52°6	47°0	69°0	1°1	1°4	399	358	93	90	—	2	—	2	10	0	—	8°3	40
7	30°06	30°09	61°4	59°1	50°7	70°0	2°8	1°8	453	444	84	89	—	2	—	0	10	10	—	6°0	43
8	30°00	29°88	62°0	59°0	52°0	64°5	2°3	3°2	478	402	86	81	—	2	—	2	9	10	—	0°6	47
9	29°81	29°58	60°6	61°6	53°9	69°0	4°6	2°0	388	482	74	88	SW	4	SW	7	9	10	28°7	1°7	51
10	29°55	29°82	56°5	48°2	48°2	62°5	3°5	2°7	358	272	78	82	—	2	—	1	5	0	0°23	9°0	45
11	29°94	30°08	51°5	47°8	46°0	63°7	1°9	2°9	331	265	87	80	—	2	—	1	10	0	0°12	7°6	42
12	30°06	29°96	53°3	54°7	44°9	60°2	1°9	3°0	354	346	87	80	—	2	—	2	10	10	0°90	1°0	39
13	29°79	29°76	58°7	57°3	52°7	65°0	0°1	1°8	491	416	100	88	—	2	—	2	10	10	0°10	—	52
14	79	84	63°0	49°2	49°2	71°3	6°4	4°0	377	257	65	73	—	2	—	2	1	0	—	13°1	40
15	86	88	54°6	53°7	46°3	64°8	1°0	1°9	398	360	93	88	—	1	ESE	4	10	0	—	2°4	39
16	92	95	62°6	54°0	43°0	68°5	4°1	3°9	434	312	77	75	—	2	—	2	2	0	—	10°0	39
17	29°98	29°97	57°4	53°0	45°0	71°2	2°4	1°5	400	361	84	90	—	2	—	2	10	1	—	10°9	39
18	30°02	30°02	54°7	54°3	48°1	59°3	1°4	2°8	388	344	91	81	—	2	—	2	10	10	—	0°7	43
19	30°03	29°98	54°4	55°5	51°4	60°5	1°9	3°5	370	344	88	78	—	2	—	2	10	10	—	0°8	44
20	29°86	29°70	55°4	54°2	52°0	58°0	2°4	1°7	371	372	85	89	NE	4	NE	5	10	10	2°15	—	52
21	58	60	53°4	52°7	51°9	56°0	0°4	0°1	397	395	97	99	NE	5	—	0	100	10	—	—	52
22	65	63	56°3	51°3	49°2	64°1	0°2	3°3	339	296	74	78	—	2	—	3	1	8	—	8°0	45
23	51	43	54°8	55°0	48°5	60°0	3°2	2°2	343	370	80	86	—	2	S	9	10	10	0°65	0°8	40
24	48	23	60°5	54°6	53°7	64°5	4°0	1°3	403	389	77	91	SW	5	SW	5	9	10	1°97	3°0	52
25	21	42	60°0	55°1	53°0	64°0	3°5	2°8	409	356	79	82	W	5	W	4	9	10	1°00	5°2	51
26	37	05	58°1	53°3	49°2	63°1	0°9	0°6	455	390	93	96	S	5	NW	5	10	10	1°88	—	47
27	29°22	29°14	56°5	52°5	48°9	62°2	3°9	2°8	348	322	76	81	SW	10	SW	6	8	10	0°72	8°8	47
28	28°99	28°03	55°7	51°0	47°8	60°0	3°8	2°2	341	318	76	85	SW	8	SW	7	8	2	3°25	7°7	46
29	29°18	29°06	55°2	45°5	45°5	60°0	2°5	1°8	365	263	84	87	SW	7	—	2	7	0	2°20	3°6	43
30	58	29°66	53°6	45°2	44°8	61°2	3°0	2°0	330	255	80	85	SW	5	—	3	4	0	0°58	8°7	40
31	29°41	28°80	52°5	46°5	45°0	57°3	2°4	0°2	331	312	84	98	S	10	SW	9	9	9	4°52	1°1	42
M.	29°745	29°716	57°3	53°8	49°7	64°5	2°6	2°2	397	358	84	85		4		3	8°1	5°7	2°314	144	45°8

## MARKREE CASTLE, SLIGO, a.b.—AUGUST 1908.

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°22	30°24	60°0	56°5	53°7	62°5	1°0	0°2	485	451	94	98	SW	3	NW	2	100°	100	—	01	0°2	49	Fine.	
2	27	25	62°0	59°0	52°8	73°5	0°0	1°0	556	467	100	94	Caln	0	Caln	0	10	0	—	02	46	47	Fine.	
3	24	16	67°0	61°5	48°6	74°8	3°5	1°5	532	495	81	91	NW	1	Caln	0	7	9	—	01	8°0	47	Fine and warm.	
4	30°04	01	60°8	54°0	52°8	63°3	2°8	1°0	442	388	83	93	NW	3	N	2	10	100°	0°8	0°1	49	49	° showers.	
5	29°08	07	58°0	52°8	51°0	60°8	4°0	1°8	307	350	76	87	N	5	N	1	7	4	—	—	4°6	45	48	
6	30°10	14	58°0	57°0	51°4	62°7	3°2	0°5	388	450	80	97	NW	1	N	1	10	10	—	04	7°5	48	Overcast a. Bright p.	
7	19	30°20	59°0	57°5	54°8	63°0	2°5	1°5	422	427	85	90	N	2	Caln	0	10	10	—	09	55	55	Gloomy.	
8	30°10	29°09	61°3	58°0	53°8	67°0	3°8	1°0	422	451	78	93	S	1	SW	2	10	100°	0°4	0°8	53	53		
9	29°87	66	63°0	61°0	54°0	68°8	6°0	1°0	387	503	67	94	S	2	SW	2	8	100°	0°6	1°7	52	52	Dull. n.	
10	29°70	29°06	57°0	51°0	49°2	61°5	3°0	2°3	377	316	81	84	NW	4	N	2	5	4	—	07	10°8	44	44	Overcast, then bright.
11	30°08	30°19	57°0	47°0	46°0	59°4	6°0	1°7	304	282	65	88	NW	4	Caln	0	9	5	—	10°1	35	35	Fine.	
12	30°16	30°06	55°8	52°5	43°0	59°8	2°8	1°5	307	354	82	89	Caln	0	Caln	0	10	10	—	06	0°1	34	34	Dull.
13	29°02	29°00	59°8	55°5	51°0	59°8	0°8	0°5	488	426	95	96	Caln	0	N	1	100°	100°	0°1	0°7	48	48		
14	91	93	56°5	55°8	53°4	62°2	0°5	1°8	441	393	96	88	NW	2	Caln	0	10	9	—	—	5°5	51	51	Fine.
15	93	29°94	60°5	54°8	47°9	60°0	4°5	1°8	389	378	74	88	Caln	0	Caln	0	9	7	—	10°5	44	44	Fine.	
16	29°08	30°04	66°0	53°0	51°9	72°5	7°5	1°2	393	369	62	92	S	2	Caln	0	1	0	—	10°2	41	41	Fine.	
17	30°06	06	63°8	55°0	39°9	68°5	7°0	1°0	374	309	63	93	Caln	0	Caln	0	0	0	—	13°0	34	34	Fine.	
18	09	11	55°5	49°5	43°0	65°0	1°0	1°5	412	315	94	89	Caln	0	Caln	0	100	1	—	5°3	35	35	≡ a. Fair p.	
19	30°08	30°05	59°0	56°0	46°8	63°8	4°5	2°0	367	391	74	87	ESE	3	Caln	0	6	10	—	2°5	38	38	Fine.	
20	29°94	29°79	57°0	55°0	52°0	63°0	3°0	4°0	377	325	81	75	Caln	0	Caln	0	10	10	—	05	45	45	Dull.	
21	68	71	53°8	55°0	52°4	59°1	1°3	3°0	378	349	91	81	N	2	NW	2	10	7	—	05	—	50	50	Gloomy.
22	78	74	55°3	50°3	49°6	60°3	3°8	1°8	335	319	76	88	NW	3	W	1	9	10	—	57	44	44	Fine.	
23	60	55	54°0	50°8	48°3	59°0	3°0	0°8	334	337	80	94	Caln	0	SW	1	10	10	—	10	—	42	42	° showers.
24	51	58	58°5	53°0	51°6	62°4	1°5	1°0	443	374	90	93	S	4	SW	2	100°	7	—	66	13	46	° showers.	
25	36	57	57°0	52°5	51°7	61°5	2°0	1°5	405	354	87	80	W	4	Caln	0	100	1	—	13	4°5	43	° showers.	
26	42	22	61°8	51°2	48°9	63°3	0°8	0°3	523	368	95	98	S	3	Caln	0	100	10	—	62	—	38	°	
27	29	16	57°0	52°7	48°3	62°2	4°0	0°9	351	373	75	94	SW	4	SW	3	7	100°	23	6°6	42	42	° showers.	
28	04	13	58°0	50°8	46°0	62°0	6°0	1°8	318	325	66	87	SW	4	SSW	3	5	4	—	24	7°0	40	▲° showers.	
29	33	61	55°4	46°8	45°0	58°4	2°4	1°8	371	277	85	87	NW	2	Caln	0	100	5	—	09	7°4	36	° showers.	
30	67	76	55°5	44°8	43°0	59°0	5°5	1°8	298	255	87	86	NW	4	Caln	0	9	1	—	8°3	32	32	° showers a. Fine p.	
31	29°38	28°88	54°0	46°3	42°8	57°6	2°5	1°3	347	283	83	91	SE	4	S	2	10	10	—	65	1°0	34	° from noon.	
M.	29°836	29°817	58°6	53°6	49°2	63°4	3°2	1°4	400	376	81	90		2°2		0°9	8°5	6°9	3°84	144	43°2			

\* Miles per hour.

† Beaufort Scale (0-12).



## DUBLIN (PHENIX PARK), a.—AUGUST 1908.

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.		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.	Min.	Max.	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.	59.1	59.8	54.9	71.7	0.6	0.3	.483	.505	96	98	SW	6	—	0	10	3	ins.	hrs.	51	Overcast and cloudy.	
2	30.18	30.16	59.6	59.1	54.9	64.7	1.6	0.4	.459	.393	90	97	—	3	—	0	10	0	—	2.0	51	Overcast and cloudy.	
3	30.23	30.13	61.2	63.7	46.2	76.9	1.1	2.1	.503	.516	94	88	WSW	5	—	2	10	0	—	4.2	45	Fine, but cloudy.	
4	30.04	29.93	60.5	59.7	57.3	67.8	2.5	4.3	.446	.383	84	74	WSW	6	WNW	6	10	0	—	10.6	42	Fine.	
5	29.87	29.98	57.5	56.5	52.9	62.2	4.2	2.4	.354	.387	75	85	NW	9	NNW	6	7	8	—	1.6	54	Overcast and cloudy.	
6	30.04	30.05	58.7	53.4	46.9	69.6	2.9	0.3	.406	.401	82	98	N	5	—	0	7	1	—	5.2	50	Fine, but cloudy.	
7	30.11	30.14	62.0	58.2	50.9	67.8	2.8	2.3	.462	.415	83	85	NW	4	—	1	10	1	—	12.4	43	Fine and bright.	
8	30.09	29.98	60.9	59.8	50.9	65.4	3.7	2.6	.417	.432	78	84	WSW	5	WSW	4	10	9	—	2.5	44	Overcast and cloudy.	
9	29.91	29.73	63.1	63.4	56.7	69.2	4.2	2.6	.439	.495	76	85	SW	6	SW	9	9	9	—	2.3	44	Overcast and cloudy.	
10	29.64	29.88	55.8	49.9	49.6	63.9	1.9	1.9	.392	.310	87	87	W	6	SW	5	5	1	—	3.3	53	Cloudy. 3p.	
11	30.04	30.15	56.4	49.8	43.7	61.9	5.1	1.5	.319	.320	70	89	W	9	—	1	3	3	—	19.0	95	Cloudy. 3p.	
12	30.14	30.03	54.0	54.8	42.7	63.0	2.9	1.4	.337	.390	81	91	SW	6	—	1	10	9	—	5.4-6.30a	44	Cloudy. 3p.	
13	29.88	29.81	54.9	60.8	49.9	66.2	0.3	2.8	.422	.442	98	83	SW	8	NW	5	10	10	—	3.3	35	Cloudy. 3p.	
14	84	87	61.9	50.6	50.6	70.4	4.6	0.6	.409	.353	74	96	WNW	5	—	0	6	3	—	0.2	46	Cloudy. 3p.	
15	90	29.93	58.7	57.7	41.9	65.5	1.4	1.2	.449	.441	91	93	—	0	E	4	8	10	—	12.4	43	Cloudy. 3p.	
16	29.95	30.00	62.2	47.4	45.1	66.0	3.7	0.8	.439	.308	79	94	E	5	—	0	4	0	—	2.8	37	Fine, but cloudy. = n.	
17	30.02	30.01	62.7	51.0	41.0	68.6	6.1	0.1	.380	.371	69	99	—	3	—	0	0	0	—	13.2	39	Beautiful day.	
18	04	06	57.7	56.1	44.9	59.9	2.4	2.1	.406	.390	85	86	NE	6	NE	6	10	10	—	12.8	35	Beautiful day.	
19	30.05	30.01	57.3	55.4	53.9	60.2	1.7	2.2	.418	.377	80	86	ENE	5	NE	4	10	10	—	40	35	Overcast.	
20	29.87	29.68	57.7	55.1	52.9	58.8	2.8	0.2	.395	.429	82	98	ENE	6	NE	9	10	10	—	0.1	49	Overcast.	
21	59	65	56.1	56.0	54.8	64.1	0.1	0.2	.447	.443	99	99	NE	4	—	3	10	10	—	0.7	52	Cloudy. 3p.	
22	74	75	58.0	51.8	49.1	63.3	3.4	3.0	.383	.309	79	80	W	5	WSW	4	6	10	—	1.9	53	Cloudy. 3p.	
23	59	53	53.9	58.7	51.0	59.1	0.5	0.9	.401	.465	97	95	SW	5	SSW	4	10	8	—	0.75	46	Cloudy. 3p.	
24	60	37	61.1	55.6	54.3	66.8	3.8	2.1	.418	.383	78	86	SW	8	SW	4	8	3	—	8.3	46	Overcast.	
25	38	54	56.0	55.8	54.2	62.3	1.8	1.4	.397	.405	88	91	WSW	12	WSW	6	10	10	—	145	48	Overcast.	
26	49	17	61.7	56.8	50.0	67.1	1.0	1.3	.316	.423	94	92	SW	9	SW	16	10	10	—	300	50	Cloudy. 3p.	
27	35	27	58.7	53.6	49.0	63.9	4.1	1.2	.374	.378	75	92	SW	12	—	1	6	10	—	162	45	Overcast.	
28	13	17	57.7	51.4	50.8	60.9	3.2	1.0	.384	.353	80	93	SW	11	SW	9	6	1	—	0.96	45	Overcast.	
29	32	59	56.3	51.1	50.0	61.7	1.7	0.9	.404	.352	89	93	SW	13	—	1	8	1	—	105	47	Overcast.	
30	69	29.78	52.1	48.6	46.3	60.6	1.4	0.8	.352	.323	90	95	SW	8	W	4	9	0	—	290	45	Cloudy. 3p.	
31	29.51	28.97	54.6	48.3	46.1	55.7	0.8	0.7	.404	.322	95	95	S	9	SW	14	10	3	—	8.2	41	Overcast and cloudy.	
M.	29.822	29.792	58.3	55.0	49.7	64.7	2.5	1.5	.413	.394	85	91	7	4	8.1	5.6	2.878	165	45.0				

## BIRR CASTLE, KING'S COUNTY, a.b.—AUGUST 1908.

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	30.17	30.15	62.3	64.8	56.0	72.0	0.6	0.9	.541	.579	96	W	2	NW	2	10	10	—	5.7	—	Cloudy.		
2	20	20	61.7	63.5	51.4	70.7	1.4	1.5	.502	.532	92	N	1	NW	1	9	0	.004	6.5	—	Fine and warm.		
3	19	30.14	64.5	62.1	53.6	75.7	0.6	0.3	.584	.548	96	Calm	0	SW	1	8	10	—	7.9	—	Cloudy.		
4	30.02	29.96	61.7	57.9	56.6	64.9	0.8	1.0	.523	.450	95	W	2	W	1	10	10	—	0.7	—	Overcast.		
5	29.91	29.98	57.5	52.7	52.0	63.8	2.5	0.9	.399	.373	84	W	4	WNW	4	N	2	9	6	—	3.1	—	Cloudy.
6	30.02	30.04	55.9	60.6	42.8	69.5	2.0	1.7	.391	.474	87	N	1	NW	1	10	4	.010	7.5	—	Fine.		
7	10	30.14	60.7	62.6	53.6	63.9	1.7	4.9	.474	.412	90	73	WNW	3	NW	2	10	7	—	0.4	—	Overcast.	
8	30.07	29.97	60.5	59.0	50.2	63.9	2.9	0.6	.434	.480	83	96	W	2	W	3	10	10	.013	0.4	—	Overcast, with showers.	
9	29.89	29.72	62.7	61.7	56.6	67.0	1.4	0.5	.521	.532	92	97	W	2	W	3	10	10	.338	0.7	—	showers.	
10	29.65	29.91	56.0	51.8	50.0	61.9	2.9	1.5	.368	.346	82	89	WSW	4	WNW	3	9	4	.028	9.5	—	showers.	
11	30.06	30.13	56.9	49.7	43.8	61.7	3.3	1.7	.368	.313	80	88	WNW	4	W	1	6	4	—	10.3	—	—	
12	30.16	30.02	57.7	57.6	42.2	61.5	4.0	2.6	.363	.398	76	83	WNW	2	W	2	5	10	.002	2.3	—	Cloudy.	
13	29.88	29.82	60.5	59.9	47.8	63.9	1.2	1.0	.487	.484	93	94	SSW	3	SW	2	10	10	.027	—	—	Overcast, with showers.	
14	84	86	57.7	61.6	54.0	64.8	0.7	1.9	.455	.485	95	88	NW	2	N	1	10	10	—	0.5	—	Gloomy.	
15	85	84	60.4	60.5	48.6	69.7	0.6	1.2	.505	.487	97	93	Calm	0	SE	2	6	10	.010	6.6	—	Cloudy.	
16	89	94	65.0	55.1	52.3	69.9	4.4	2.2	.466	.391	76	85	S	2	SSE	1	2	3	—	8.0	—	—	
17	97	29.96	61.7	59.0	43.0	70.7	2.6	1.9	.463	.439	85	89	SSE	1	Calm	0	1	7	—	10.8	—	—	
18	99	30.00	55.7	54.7	47.8	67.0	0.6	0.9	.426	.403	96	95	E	3	E	3	10	10	—	7.2	—	—	
19	99	29.96	61.5	55.5	50.4	65.1	2.4	1.4	.466	.400	86	91	E	2	E	4	7	10	—	3.5	—	Cloudy.	
20	83	62	55.9	54.1	48.6	58.7	0.7	0.2	.426	.414	95	98	E	1	NNE	4	10	10	.390	—	—	Overcast. n.	
21	56	64	55.5	55.7	53.1	56.1	0.3	0.8	.432	.422	97	95	NNE	1	N	2	10	10	.021	—	—	Overcast, with showers.	
22	72	75	57.6	53.8	48.8	59.7	2.1	0.9	.413	.389	86	93	NW	3	W	1	8	10	.602	5.3	—	showers.	
23	56	52	54.7	59.1	52.2	62.9	0.2	0.2	.423	.496	99	98	Calm	0	W	2	10	10	.578	—	—	Overcast, with showers.	
24	55	35	59.9	55.9	53.8	62.7	1.9	0.9	.454	.420	89	94	SW	3	W	3	10	10	.522	1.4	—	showers.	
25	39	51	58.5	53.7	53.3	59.7	3.6	0.9	.383	.387	94	94	SW	5	W	2	8	10	.081	4.1	—	showers.	
26	45	20	63.3	55.7	51.2	63.7	0.6	0.6	.560	.426	96	96	W	4	SW	2	10	10	.151	0.3	—	showers.	
27	33	22	58.5	52.7	48.8	62.6	2.2	0.7	.423	.378	86	95	SSW	4	SSW	2	4	10	.175	9.0	—	showers. $\wedge$ 8p.	
28	04	16	56.7	52.7	49.2	60.2	2.6	1.6	.384	.354	84	89	SSW	3	SW	4	6	10	.125	6.9	—	showers. $\wedge$ 5p.	
29	30	56	55.9	53.6	49.1	60.5	1.1	1.5	.416	.369	94	90	SW	2	NW	2	6	10	.087	6.5	—	showers.	
30	67	29.73	54.7	51.3	45.3	59.5	2.7	1.2	.352	.347	82	92	SW	3	SW	2	3	10	.002	7.9	—	showers. $\wedge$ 7p.	
31	29.40	28.99	54.8	48.7	47.6	56.0	1.0	0.9	.402	.322	94	94	SSW	4	W	2	10	10	.593	2.0	—	—	
M.	29.795	29.773	58.9	56.7	50.1	64.2	1.8	1.3	.445	.427	89	92	2.4	2.1	8.0	8.5	3.759	135	—	—	—	—	

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—AUGUST 1908.

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.	
1	D. V.	D. V.	D.	V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.	D. V.	D. V.	D. V.	D.	V.	Hour.
2	27, 18	27, 16	27, 19	15	28, 11	8, 7	10, 4	—	27, 12	8	28, 8	30, 8	30, 8	—	3	30, 10	14, 15
3	23, 13	23, 18	22, 19	15	7, 5	8, 7	10, 4	—	24, 7	23	32, 13	1, 14	32, 7	—	3	32, 15	11
4	25, 25	27, 12	25, 25	13	26, 10	26, 12	28, 10	26, 7	26, 14	11, 12	—	3, 13	12, 32	31, 4	14, 12	13, 15	
5	23, 15	25, 16	24, 18	15	26, 9	26, 9	26, 9	24, 7	26, 14	11, 12	25, 4	22, 10	30, 10	—	2	24, 10	14
6	31, 18	30, 15	30, 18	6, 7, 8, 11	32, 18	32, 19	32, 20	32, 17	32, 21	10	27, 8	32, 10	1, 21	2, 19	1, 23	16	
7	26, 15	26, 14	26, 18	11	32, 15	32, 12	32, 12	32, 18	32, 18	8	31, 10	32, 11	30, 7	31, 4	2, 24	2, 5	
8	26, 15	26, 15	26, 18	13	—	3, 6	—	—	5, 8	14	4, 4	8, 7	14, 7	19, 5	14, 11	16, 17	
9	20, 13	20, 15	20, 18	13	27, 4	23, 7	24, 7	25, 7	27, 22	10	—	3, 10	7, 12	10, 14	12, 10	18	
10	16, 8	13, 21	13, 21	18, 19	24, 8	24, 10	22, 12	20, 15	20, 19	24	—	3, 10	7, 12	10, 14	9	16, 17	
11	23, 15	25, 12	29, 21	19	26, 10	25, 8	26, 11	26, 9	20, 18	6, 7	22, 11	21, 12	22, 9	26, 10	20, 29	12, 19	
12	28, 10	30, 16	28, 18	16	26, 11	3, 7	—	2, 27, 5	28, 14	11	26, 15	25, 15	28, 6	25, 7	26, 16	15	
13	30, 13	31, 13	30, 18	11	1, 5	2, 6	—	3	28, 11	2	28, 9	29, 10	31, 4	28, 5	29, 11	12	
14	29, 20	29, 18	30, 22	11	30, 12	2, 12	1, 12	31, 7	32, 15	19	27, 10	29, 10	31, 4	28, 7	26, 14	8	
15	29, 8	32, 4	29, 14	4	1, 15	32, 12	32, 10	32, 7	32, 16	2, 7	28, 12	32, 14	32, 10	32, 11	32, 14	13, 14, 15	
16	13, 4	10, 5	14, 10, 7	9, 10, 15, 16, 17	9, 8	8, 10	10, 7	—	3	10, 10	8, 9	7, 14	6, 15	6, 15	7, 19	6	
17	30, 6	32, 8	1, 10	23, 24	2, 8	8, 10	9, 4	32, 5	8, 10	13	1, 12	32, 15	31, 10	31, 9	32, 16	14	
18	31, 15	31, 14	31, 17	11	32, 12	32, 11	32, 12	32, 12	32, 13	17	29, 8	29, 9	29, 5	28, 5	30, 9	5, 6, 12, 13, 16	
19	30, 13	30, 9	30, 14	11, 8	32, 12	1, 8	—	3	32, 4	9	3, 9	2, 7	31, 5	31, 4	2, 10	16	
20	32, 7	28, 8	30, 7	1, 8	32, 12	1, 7	6, 10	6, 7	9, 13	23	2, 8	3, 10	4, 10	4, 7	3, 11	17	
21	27, 4	1, 6	31, 7	11	1, 9	1, 7	—	—	6, 10	6	5, 13	6, 16	6, 18	6, 23	6, 23	19, 20, 21	
22	11, 7	11, 4	10, 8	9	7, 9	5, 4	7, 4	—	2	10, 14	26, 4	13, 7	16, 8	19, 5	7, 15	1	
23	26, 11	—	25, 12	12	26, 5	27, 14	25, 11	24, 12	27, 28, 14	13, 14	20, 4	23, 8	26, 7	27, 7	14, 23, 11	12, 15	
24	28, 14	28, 10	29, 15	16	26, 8	3, 7	4, 6	5, 4	23, 26, 8	2, 9	12, 10	22, 4	25, 7	24, 5	24, 11	17	
25	10, 7	11, 8	8, 14	24	20, 7	5, 5	21, 12	18, 10	19, 18	24	12, 7	25, 8	13, 13	10, 22	7, 12	14	
26	7, 15	6, 11	8, 17	1	19, 18	22, 15	24, 10	24, 12	20, 21	10	22, 16	22, 18	20, 12	22, 9	22, 18	13	
27	16, 4	12, 10	11, 21	23	27, 14	23, 10	20, 17	18, 16	19, 28	23	24, 12	22, 15	22, 15	19, 15	18, 20	24	
28	22, 31	21, 16	22, 34	12	23, 18	23, 15	21, 18	21, 16	19, 23	1	25, 17	22, 11	22, 11	20, 6	19, 23	4	
29	17, 14	19, 4	17, 20	6	23, 9	24, 12	21, 10	21, 10	19, 23, 17	2, 17	18, 17	20, 17	21, 12	20, 13	20, 18	14	
30	25, 16	25, 21	26, 23	16	21, 16	24, 18	26, 8	26, 8	23, 18	11, 12	22, 15	22, 15	21, 13	22, 9	22, 18	14, 15	
31	23, 24	22, 21	23, 26	12, 14	25, 12	24, 14	24, 12	24, 8	24, 15	12	24, 6	24, 7	23, 11	22, 5	23, 11	18	
	24, 11	9, 4	24, 21	1, 3	26, 4	19, 15	15, 15	12, 30	12, 33	22	21, 8	15, 13	16, 10	14, 32	14, 32	21	

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. Hourly Run.	Time of Max.	
1	D. V.	D. V.	D.	V.	hr. min.	D. V.	D. V.	D. V.	D. V.	hr. min.	D. V.	D. V.	D. V.	D. V.	D.	V.	Hour.
2	— 10	— 5	— 18	19. 25	— 10	— 10	— 4	— 3	— 21	6. 20	6, 6	5, 6	5, 7	5, 6	3, 8	16, 17	
3	— 11	— 1	— 24	13. 55	— 16	— 15	— 10	— 2	— 26	8. 50	10, 11	7, 8	7, 9	7, 6	10, 13	11	
4	— 9	— 2	— 14	13. 45	— 3	— 5	— 7	— 5	— 13	20. 45	10, 6	— 3	3, 6	3, 6	2—3	19, 20, 22, 24	
5	— 17	— 2	— 17	12. 35	— 7	— 8	— 7	— 9	— 19	14. 10	30, 5	30, 4	27, 7	26, 10	28, 20	22	
6	— 14	— 12	— 29	17. 10	— 16	— 13	— 14	— 24	— 37	20. 15	32, 20	32, 22	2, 21	3, 18	32—2	11, 12, 13, 17	
7	— 14	— 9	— 26	15. 25	— 29	— 30	— 27	— 26	— 46	11. 50	2, 17	2, 17	2, 18	2, 12	3, 20	10	
8	— 7	— 11	— 20	19. 35	— 22	— 18	— 11	— 4	— 32	8. 10	2, 9	2, 10	2, 10	32, 10	2, 12	16, 17	
9	— 8	— 5	— 12	13. 10	— 2	— 6	— 6	— 1	— 15	15. 20	31, 10	2, 6	29, 5	— 1	31, 10	9	
10	— 14	— 18	— 28	18. 5	— 4	— 11	— 10	— 3	— 17	15. 50	— 2	27, 4	26, 4	— 1	28—30	6	
11	— 14	— 10	— 30	8. 40	— 9	— 21	— 20	— 16	— 32	14. 25	24, 14	29, 17	30, 18	30, 16	30, 19	14	
12	— 12	— 10	— 19	13. 25	— 11	— 11	— 11	— 15	— 31	10. 20	32, 11	32, 11	32, 8	31, 7	31, 16	3, 4	
13	— 11	— 13	— 25	15. 25	— 12	— 12	— 17	— 7	— 29	17. 45	2, 4	28, 6	31, 6	2, 4	30, 8	14	
14	— 10	— 11	— 21	16. 50	— 21	— 19	— 11	— 4	— 31	9. 20	1, 8	3, 6	3, 6	— 3	32, 10	18	
15	— 7	— 8	— 23	8. 25	— 14	— 16	— 16	— 10	— 25	17. 30	— 3	— 0	10, 9	11, 13	11, 14	17	
16	— 21	— 14	— 29	13. 20	— 12	— 15	— 15	— 10	— 24	10. 20	10, 16	10, 13	10, 19	10, 19	10, 21	20	
17	— 13	— 9	— 27	10. 20	— 14	— 10	— 8	— 7	— 21	15. 5	10, 28	10, 29	9, 23	9, 15	10, 29	19	
18	— 13	— 17	— 30	17. 25	— 6	— 9	— 10	— 4	— 18	15. 35	10, 24	10, 31	10, 27	10, 26	10, 32	13, 14	
19	— 21	— 22	— 38	16. 5	— 11	— 13	— 11	— 8	— 19	13. 20	10, 27	10, 23	10, 22	10, 21	10, 27	12, 14	
20	— 19	— 18	— 33	8. 50	— 16	— 10	— 11	— 10	— 23	7. 45	10, 29	13, 25	16, 22	16, 24	10, 12	9, 12	
21	— 29	— 30	— 39	16. 10	— 13	— 18	— 5	— 0	— 25	11. 15	18, 22	24, 25	28, 21	28, 25	27, 29	16	
22	— 15	— 13	— 34	10. 20	— 15	— 10	— 14	— 4	— 32	16. 10	28, 16	27, 15	27, 21	26, 21	28, 23	1, 7	
23	— 19	— 18	— 34	7. 40	— 5	— 9	— 3	— 2	— 21	13. 15	* 23	24, 29	24, 22	23, 21	24, 31	15	
24	— 18	— 16	— 37	23. 35	— 12	— 23	— 20	— 13	— 31	13. 50	25, 13	22, 17	22, 22	22, 21	24, 28	24	
25	— 20	— 16	— 37	0. 40	— 20	— 24	— 21	— 11	— 44	8. 15	26, 21	26, 20	26, 25	26, 25	25, 28	2	
26	— 21	— 25	— 53	22. 20	— 15	— 21	— 25	— 22	— 36	23. 55	23, 16	21, 20	19, 23	19, 29	21, 34	23	
27	— 13	— 15	— 53	0. 10	— 14	— 17	— 16	— 13	— 56	4. 10	24, 14	24, 16	23, 17	22, 17	26, 32	1	
28	— 22	— 20	— 53	4. 5	— 33	— 30	— 22	— 16	— 49	9. 10	23, 23	24, 33	24, 29	24, 24	24, 33	13, 14, 16, 17	
29	— 18	— 13	— 37	10. 40	— 17	— 25	— 15	— 15	— 37	13. 55	25, 26	24, 21	25, 23	26, 20	25, 26	8, 9	
30	— 13	— 13	— 27	15. 10	— 9	— 15	— 14	— 3	— 29	13. 5	27, 21	26, 16	26, 22	25, 17	26, 24	3	
31	— 42	— 32	— 67	16. 25	— 10	— 20	— 23	— 32	— 57	22. 55	15, 23	15, 35	26, 39	25, 39	26, 47	22	



## 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	28, 4	— 3	29, 9	9	27, 16	25, 15	25, 12	26, 10	— 25	4. 5	24, 9	25, 7	21, 5	21, 5	— 15	0. 5
3	— 2	26, 4	25, 6	17	— 3	28, 12	29, 12	28, 4	— 18	16. 30	30, 4	32, 10	30, 5	— 2	— 15	3. 15
4	24, 11	25, 8	24, 11	11, 13	22, 7	24, 14	25, 10	24, 8	— 19	14. 5	20, 7	20, 7	18, 10	17, 6	— 19	5. 50
5	24, 10	24, 7	24, 11	12, 14	24, 16	25, 19	23, 19	24, 22	— 34	23. 50	24, 12	14	21, 7	24, 11	— 23	6. 15
6	31, 6	1, 10	2, 10	14, 15, 16	32, 16	32, 18	32, 12	32, 17	— 41	0. 10	30, 26	32, 25	32, 22	1, 18	— 37	9. 15
7	8, 6	— 3	2, 8	2	32, 12	28, 11	29, 14	30, 9	— 22	0. 45	3, 20	2, 14	28, 9	28, 6	— 26	10. 40
8	25, 10	25, 10	25, 10	13, 17	25, 12	26, 16	27, 19	28, 23	— 29	20. 45	29, 6	27, 8	29, 7	30, 7	— 18	6. 30
9	24, 10	24, 7	27, 24, 10	12, 13, 14, 16	26, 14	25, 13	25, 18	23, 18	— 22	17. 45	26, 6	21, 9	19, 12	19, 9	— 19	23. 35
10	23, 10	23, 6	23, 10	11	22, 18	23, 14	20, 15	19, 14	— 23	10. 45	19, 7	18, 15	18, 16	18, 15	— 25	20. 5
11	23, 6	26, 11	20, 13	7	22, 22	21, 17	27, 21	27, 26	— 51	18. 5	26, 4	25, 14	27, 18	26, 18	— 35	7. 30
12	26, 17	27, 15	26, 18	15	25, 31	25, 29	27, 31	28, 24	— 45	10. 25	24, 22	25, 21	27, 20	32, 9	— 31	15. 5
13	26, 12	27, 6	26, 12	13	28, 15	26, 16	26, 16	26, 19	— 27	22. 5	26, 10	25, 9	21, 9	21, 12	— 17	20. 10
14	25, 5	— 3	26, 8	9	26, 18	27, 18	27, 10	28, 12	— 25	0. 50	23, 14	23, 14	32, 7	30, 7	— 23	8. 20
15	— 1	7, 7	7, 7	18	— 1	28, 11	4, 9	9, 8	— 18	0. 20	30, 8	30, 7	29, 4	31, 4	— 14	6. 20
16	10, 7	10, 5	10, 9	11	10, 12	11, 9	10, 6	9, 8	— 18	8. 40	8, 4	25, 10	26, 8	— 1	— 18	5. 5
17	5, 4	— 2	2, 5	2, 4, 5, 6	11, 9	7, 5	7, 10	1, 1	— 15	17. 30	9, 4	27, 4	6, 8	— 2	— 16	16. 5
18	6, 5	— 3	8, 4	8, 19	13, 4	25, 8	32, 6	8, 10	— 18	14. 45	28, 4	30, 7	1, 10	1, 4	— 15	0. 40
19	— 2	— 3	3, 8	5	7, 11	9, 9	6, 7	8, 7	— 15	10. 15	5, 21	7, 20	6, 20	7, 15	— 28	17. 5
20	7, 8	7, 10	7, 13	20	7, 6	2, 6	7, 6	8, 5	— 11	5. 0	8, 15	6, 11	6, 14	6, 12	— 24	15. 45
21	5, 5	9, 6	5, 8	6	7, 9	7, 15	7, 14	8, 15	— 23	12. 45	7, 22	6, 23	7, 23	7, 26	— 37	21. 15
22	25, 12	24, 10	25, 12	13	7, 9	6, 12	7, 10	7, 6	— 19	15. 30	8, 5	31, 7	32, 9	32, 14	— 33	0. 5
23	25, 10	24, 4	25, 10	13	28, 19	25, 21	24, 20	25, 21	— 25	20. 20	27, 15	26, 10	22, 7	23, 10	— 26	23. 35
24	23, 10	19, 8	16, 15	22	24, 15	26, 16	24, 6	11, 4	— 29	10. 20	21, 12	25, 11	17, 4	15, 7	— 40	19. 50
25	23, 21	24, 12	23, 21	13	23, 12	21, 16	18, 15	15, 15	— 36	23. 25	20, 15	18, 19	16, 23	19, 20	— 39	8. 0
26	20, 6	20, 11	17, 22	23	21, 30	22, 31	23, 27	23, 26	— 45	10. 35	21, 26	22, 20	22, 23	23, 26	— 40	20. 20
27	22, 16	21, 11	23, 18	15	21, 15	17, 12	18, 19	16, 19	— 37	1. 10	18, 13	18, 20	18, 23	18, 25	— 45	20. 20
28	22, 16	22, 15	22, 16	12, 13	22, 29	21, 27	19, 20	18, 16	— 43	0. 20	20, 21	19, 23	18, 18	19, 19	— 43	24. 0
29	23, 19	23, 10	22, 21	9	22, 29	21, 27	19, 20	18, 16	— 37	1. 10	18, 13	18, 20	18, 23	18, 25	— 45	20. 20
30	23, 13	24, 10	23, 15	14	22, 36	23, 31	24, 22	27, 18	— 45	8. 45	20, 20	18, 21	20, 19	20, 22	— 43	1. 25
31	17, 15	10, 13	14, 22	20	22, 36	23, 31	24, 22	27, 18	— 45	8. 45	21, 23	21, 21	24, 13	27, 8	— 35	11. 15
					23, 20	24, 22	23, 21	24, 20	— 29	16. 25	23, 16	23, 18	24, 12	25, 18	— 26	20. 15
					15, 12	14, 17	10, 28	18, 30	— 46	18. 55	17, 13	15, 20	15, 29	21, 22	— 54	17. 40

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	24, 10	24, 8	22, 24, 11	11, 15, 16	24, 15	25, 10	— 1	— 1	24, 17	10	— 0	— 2	— 7	— 4	—	18
2	20, 4	21, 8	20, 23, 9	16, 17	6, 6	6, 4	8, 5	— 2	6, 8	11	— 14	— 8	— 7	— 0	—	17
3	24, 12	24, 8	24, 12	13	26, 8	13, 7	15, 5	22, 9	23, 16	23	— 2	— 12	— 6	— 0	—	17
4	21, 11	23, 10	25, 13	19	24, 15	25, 16	24, 15	27, 20	24, 27	2	— 1	— 10	— 17	— 19	—	15
5	32, 10	2, 5	32, 12	14	28, 18	32, 25	31, 17	30, 17	31, 27	11	— 22	— 30	— 23	— 19	—	31
6	27, 4	21, 7	23, 8	19	1, 12	3, 12	7, 4	— 1	2, 4, 14	10, 12	— 17	— 14	— 3	— 9	—	44
7	25, 14	25, 14	25, 14	13, 14, 16, 18	29, 9	3, 4	— 0	— 1	26, 16	3	— 15	— 13	— 12	— 7	—	27
8	23, 12	21, 7	24, 13	14	27, 7	26, 7	24, 9	23, 12	24, 15	24	— 0	— 10	— 14	— 9	—	24
9	23, 15	25, 12	19, 17	24	23, 8	21, 14	20, 10	20, 15	22, 18	15, 16, 22	— 9	— 12	— 10	— 8	—	19
10	26, 12	25, 11	26, 14	1, 2	25, 21	26, 23	28, 19	24, 16	26, 26	14	— 25	— 29	— 25	— 14	—	14
11	24, 4	25, 7	25, 7	18	26, 23	26, 23	28, 15	26, 13	25, 28	11	— 15	— 17	— 17	— 15	—	26
12	23, 6	26, 7	23, 8	14	24, 14	24, 10	26, 9	24, 8	24, 16	10	— 2	— 6	— 7	— 10	—	23
13	7, 4	6, 10	5, 12	17	23, 26	26, 16	27, 14	26, 12	23, 27	10	— 6	— 8	— 16	— 22	—	44
14	5, 7	6, 8	6, 8	18	— 2	11, 12	15, 7	14, 7	25, 13	3	— 11	— 7	— 6	— 0	—	10
15	— 2	4, 8	4, 9	20	13, 9	11, 12	10, 4	— 1	11, 12	13	— 12	— 8	— 6	— 13	—	27
16	4, 5	6, 6	6, 8, 7	19-22	— 0	9, 4	— 1	— 0	12, 14	10	— 14	— 17	— 11	— 9	—	17
17	8, 7	9, 4	8, 7	13, 16, 17, 19	5, 12	4, 16	4, 15	5, 20	7, 23	15, 16	— 11	— 15	— 5	— 10	—	24
18	— 2	— 3	5, 7	21	8, 14	8, 12	6, 14	6, 13	6, 16	20	— 14	— 17	— 11	— 8	—	11
19	6, 10	6, 11	16, 18	2, 5, 8, 9	10, 7	10, 6	3, 10	2, 11	8, 23	1	— 9	— 20	— 15	— 11	—	30
20	4, 9	6, 7	4, 10	16	8, 18	7, 19	5, 22	7, 25	8, 28	11	— 14	— 14	— 17	— 14	—	27
21	25, 12	24, 12	22, 14	20	24, 16	25, 14	27, 13	23, 12	25, 20	11	— 16	— 17	— 21	— 22	—	11
22	2, 4	8, 7	9, 7	16	23, 4	8, 7	15, 4	15, 8	24, 23	24	— 9	— 20	— 15	— 11	—	50
23	19, 10	13, 10	17, 12	16	20, 18	17, 16	21, 16	20, 15	22, 32	4	— 14	— 17	— 18	— 8	—	12
24	24, 7	24, 10	25, 13	16	23, 29	23, 30	23, 22	23, 21	23, 32	7	— 17	— 18	— 13	— 1	—	10
25	21, 6	18, 12	16, 18	22	22, 18	20, 20	16, 21	23, 25	23, 25	21	— 16	— 29	— 16	— 14	—	9
26	20, 19	19, 12	20, 19	9, 13	21, 19	21, 22	20, 13	16, 11	22, 26	14, 15	— 18	— 17	— 21	— 7	—	12
27	20, 16	19, 12	20, 18	11	21, 19	22, 19	22, 21	21, 18	22, 24	14	— 14	— 20	— 13	— 11	—	15
28	24, 12	20, 12	20, 18	3	22, 23	22, 22	25, 15	27, 10	22, 26	10, 11	— 18	— 19	— 18	— 25	—	34
29	24, 12	20, 12	20, 18	15	23, 21	25, 21	23, 16	23, 17	25, 22	16	— 13	— 20	— 18	— 14	—	13
30	24, 13	25, 11	24, 15	23	22, 23	22, 22	25, 15	27, 10	22, 26	10, 11	— 19	— 12	— 5	— 5	—	35
31	15, 10	10, 12	6, 20	23	17, 15	16, 28	23, 37	21, 17	11, 43	16	— 16	— 18	— 11	— 8	—	10
											— 30	— 28	— 19	— 19	—	11

\* No Record. † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cup, 9 inches; Factor 2.2.  
 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  $V^2 = 3.15 B^2$ ) 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.—SEPTEMBER 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.							
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								9 a.m.	9 p.m.					
1	ins.	ins.	51.8	47.8	46.0	53.8	1.8	3.3	33.8	25.6	87	78	NE	20	NW	17	8	8	ins.	hrs.	—	4.6	—	Fair, breezy, and cold.		
2	29.20	29.35	51.8	47.8	46.0	53.8	1.8	3.3	33.8	25.6	87	78	NE	20	NW	17	8	8	1.8	5.6	—	—	—	• showers from 3p.		
3	36	64	51.0	48.0	42.7	55.0	3.0	1.9	29.9	28.7	80	87	NNW	14	N	12	9	2	0.5	6.5	—	—	—	• showers.		
4	74	78	48.2	45.0	43.5	51.5	3.2	2.2	26.1	24.9	78	84	NNW	11	W	4	8	1	—	4.8	—	—	—	—	Fine, bright, and cold.	
5	84	90	47.8	44.1	42.8	49.8	3.9	2.4	24.4	23.7	73	81	NW	11	W	4	8	1	—	4.8	—	—	—	—	• showers from 11a.	
6	73	47	49.2	50.8	48.0	52.1	3.0	0.8	27.8	35.1	79	94	SSW	18	WSW	7	10	100	20	—	—	—	—	—	Fine day. • in evening.	
7	48	55	51.4	51.0	47.8	55.8	3.0	3.5	30.5	28.8	80	77	W	16	W	9	100	10	—	4.2	—	—	—	—	• in evening.	
8	55	53	51.7	49.5	46.3	51.0	2.7	1.0	31.4	32.8	82	93	SW	4	E	10	6	100	100	1.7	32	—	—	—	• from 4p.	
9	45	34	50.5	48.0	47.3	50.5	1.3	1.0	33.3	30.9	90	93	NE	20	NE	31	100	100	—	—	—	—	—	—	• till 6p.	
10	10	12	46.0	49.6	45.0	50.0	1.0	0.6	28.7	34.0	93	96	N	34	N	27	100	100	—	4.75	—	—	—	—	Breezy.	
11	32	54	50.5	46.0	43.3	52.3	2.4	3.0	30.7	24.4	84	79	NNW	29	NW	20	100	100	—	0.75	1.3	—	—	—	Breezy.	
12	58	70	47.0	46.0	43.0	51.8	2.0	1.7	27.5	27.2	86	88	NW	16	NW	16	9	9	—	0.9	0.9	0.9	0.9	0.9	• showers all day.	
13	72	81	46.2	44.3	43.1	48.3	1.2	1.8	28.5	25.2	92	86	NW	15	NW	7	8	9	—	0.25	2.6	—	—	—	Mild, with •.	
14	78	74	48.0	51.3	43.0	52.8	1.0	0.3	30.9	37.0	93	98	SSW	7	S	9	100	100	—	3.25	—	—	—	—	• Very fine from 10a.	
15	63	65	53.5	51.0	48.8	57.0	0.7	1.0	33.0	34.8	95	93	W	12	SE	6	9	10	—	0.9	7.7	—	—	—	Fine from 9a.	
16	54	66	51.0	47.8	46.0	53.8	0.8	1.6	35.3	29.3	94	88	—	2	W	7	100	2	—	2.0	—	—	—	—	Fair and breezy. • 4p.—5p.	
17	69	41	50.1	52.0	43.6	52.8	1.9	1.2	31.3	35.6	86	92	S	10	S	19	8	10	—	3.4	0.7	—	—	—	Fair. Gorgeous sunset.	
18	31	60	57.3	51.1	50.6	62.8	1.3	1.9	43.0	32.7	91	86	S	12	SE	12	100	10	—	0.8	—	—	—	—	Fine from 10a.	
19	76	71	55.0	54.6	49.5	57.8	1.0	1.3	40.3	38.9	93	91	SSE	13	SE	6	7	2	—	1.6	—	—	—	—	∞. Fine all day.	
20	83	85	55.0	58.0	52.0	58.1	1.0	0.7	40.3	46.0	93	95	SE	17	S	9	100	100	—	0.7	—	—	—	—	≡ 2 all day. • 5p.—7p.	
21	89	93	53.0	52.8	51.7	53.8	0.5	0.0	38.4	40.0	96	99	SE	10	ESE	9	100	100	—	0.1	—	—	—	—	≡ 2 all day.	
22	92	85	53.8	53.0	51.7	54.8	1.6	1.8	35.5	35.2	88	87	SE	15	SE	19	1	100	—	3.9	—	—	—	—	∞ p.	
23	82	88	53.2	53.0	51.6	53.8	1.0	1.7	37.7	35.5	93	88	SE	17	SE	14	100	100	—	—	—	—	—	—	∞ all day.	
24	89	87	53.0	52.5	51.5	53.8	1.0	2.3	37.4	33.3	93	84	SE	7	SE	14	10	10	—	—	—	—	—	—	∞ all day.	
25	79	61	52.8	53.0	50.8	54.0	1.5	0.9	35.8	37.7	89	94	SE	17	SE	17	10	10	—	0.4	—	—	—	—	Overcast, with ∞. < p.	
26	51	54	52.2	50.2	50.8	53.8	0.9	0.2	36.6	35.8	94	99	SE	12	—	3	10	3	—	—	—	—	—	—	Fair and mild.	
27	64	72	51.1	50.0	48.0	53.8	0.1	0.4	37.3	35.0	99	97	—	2	E	8	10	6	—	2.3	—	—	—	—	Fine all day.	
28	64	59	52.0	53.7	49.0	54.3	1.0	0.7	36.1	39.2	93	95	SE	23	S	9	10	8	—	0.5	—	—	—	—	Dull and breezy.	
29	58	58	56.4	57.6	52.8	59.0	0.6	1.6	43.7	42.6	97	89	S	10	S	18	8	10	—	0.5	—	—	—	—	Dull and mild.	
30	29.67	29.78	58.3	56.0	53.8	59.8	0.9	1.7	45.8	39.9	94	89	S	11	WSW	6	9	10	—	0.5	—	—	—	—	—	• showers p. Gorgeous sunset.
M.	29.617	29.649	51.6	50.7	47.6	54.2	1.5	1.4	34.6	33.7	90	90	—	14	—	12	8.6	7.9	3.68	65	—	—	—	—	—	



TILLYPRONIE, ABERDEENSHIRE.—SEPTEMBER 1908.

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, +.030 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	46.3	42.5	40.0	59.1	0.8	1.2	.295	.246	95	90	NE	†	8	NE	6	10	0	ins.	hrs.	°		
2	28.07	28.40	46.3	42.5	40.0	59.1	0.8	1.2	.295	.246	95	90	NE	†	8	NE	6	10	0	ins.	hrs.	°	Dull, with cold wind. ● showers.	
3	'41	'64	44.5	44.0	38.0	56.3	3.5	2.2	.219	.240	74	83	NW		6	N	6	7	9	'04	—	37	36	Cold, with ● showers.
4	'73	'76	45.3	41.1	40.5	49.1	2.5	1.1	.247	.234	82	91	NW		6	NW	4	8	8	'01	—	38	38	Cold and dull.
5	'83	'92	44.2	37.8	35.3	51.5	2.7	1.3	.232	.202	80	90	N		4	W	4	10	6	—	—	34	34	Cold.
6	'83	'62	43.8	41.5	33.5	57.3	2.7	1.5	.228	.230	79	88	W		4	W	6	9	8	'02	—	32	32	Cold.
7	'55	'60	57.4	53.8	48.8	61.4	3.4	2.5	.373	.345	79	83	W		4	NW	6	8	6	'32	—	47	47	Dull and mild. ● showers.
8	'39	'17	51.3	48.8	48.5	57.8	0.8	0.8	.357	.350	95	95	W		4	S	4	10	10	'78	—	45	45	Dull and raw. ●
9	'02	'13	47.8	42.2	40.3	51.7	0.7	0.9	.314	.250	95	92	N		4	N	8	10	10	'72	—	47	47	≡. ●
10	'34	'51	45.3	45.5	36.5	52.3	0.8	1.4	.284	.272	94	90	N		8	NW	6	10	8	'11	—	45	45	Cold, with ● showers.
11	'59	'09	43.2	42.3	39.8	52.1	2.3	0.9	.230	.251	82	93	NW		6	NW	4	6	5	'08	—	37	37	Cold, with ● showers.
12	'73	'82	46.0	39.5	35.5	53.0	3.7	1.7	.231	.209	75	86	NW		6	NW	2	5	4	'04	—	34	34	
13	'81	'30	46.8	49.5	37.1	54.2	2.2	1.5	.268	.315	84	89	N		4	NW	4	10	9	'07	—	37	37	Dull and cloudy.
14	'70	'55	55.5	52.3	47.6	64.9	1.2	0.5	.406	.379	92	97	W		4	NW	4	10	10	'23	—	46	46	Sunny and warm.
15	'57	'75	52.0	40.5	38.9	53.4	3.5	0.5	.299	.241	77	96	NW		4	N	4	9	0	'22	—	38	38	Dull. ● showers.
16	'74	'52	45.0	52.8	36.3	54.1	1.8	1.4	.257	.361	86	90	NW		4	SW	6	7	10	'34	—	36	36	Dull. ● showers.
17	'47	'66	62.1	52.4	50.5	67.3	4.6	3.3	.412	.304	74	77	SW		8	SW	4	4	3	'02	—	49	49	
18	'68	'72	50.3	54.8	50.2	63.5	2.1	1.3	.393	.393	86	92	SW		4	SE	8	8	9	—	—	49	49	Dull, cloudy, and close.
19	'78	'83	56.1	49.5	51.0	64.1	0.9	0.7	.424	.336	93	95	S		4	S	4	9	8	—	—	49	49	Dull, cloudy, and close.
20	'83	'83	56.8	48.7	41.3	58.5	1.8	0.8	.408	.324	88	94	SW		6	SW	4	9	9	'07	—	41	41	Dull. ≡. ● showers.
21	'85	'88	55.0	52.1	48.5	62.0	0.7	0.6	.412	.374	95	96	NW		4	NW	4	8	9	'06	—	46	46	Dull. ≡. ● showers.
22	'87	'80	50.2	49.8	48.5	54.8	0.7	0.8	.346	.337	96	94	NE		6	SE	8	10	9	'03	—	47	47	≡ <sup>2</sup> . Drizzling ●.
23	'77	'81	51.4	51.1	47.3	52.8	0.6	0.6	.364	.360	96	96	SE		6	SE	4	10	10	'06	—	46	46	≡ <sup>2</sup> . Drizzling ●.
24	'86	'84	49.3	48.3	47.0	51.8	0.8	0.9	.331	.316	95	94	SE		4	SE	4	10	9	'02	—	46	46	≡ <sup>2</sup> . Drizzling ●.
25	'75	'60	51.3	50.1	46.5	54.9	1.1	0.6	.349	.347	92	96	SE		6	SE	6	6	9	'04	—	45	45	≡ <sup>2</sup> . Drizzling ●.
26	'47	'53	50.6	49.3	45.3	52.5	0.6	0.5	.353	.339	96	97	SE		6	SE	4	8	8	'07	—	44	44	Dull. ≡ <sup>4</sup> . ● showers.
27	'63	'70	53.1	46.2	42.5	58.8	2.3	1.7	.341	.274	84	89	S		4	S	4	6	3	'01	—	42	42	
28	'65	'65	49.8	59.0	43.0	60.2	0.8	1.9	.337	.439	94	80	SE		6	SE	6	8	7	'05	—	41	41	
29	'67	'71	60.3	60.3	56.1	60.8	1.6	1.9	.471	.462	90	88	SW		8	SW	8	7	8	'01	—	55	55	Fresh  Fine.
30	28.78	28.85	61.0	60.3	57.5	72.0	2.2	1.8	.464	.465	87	89	SW		8	SW	4	8	3	—	—	55	55	Fresh  Fine.
M.	28.630	28.658	50.9	48.6	44.0	57.3	1.8	1.3	.333	.317	88	91			5.3		5.0	8.3	7.1	3.99	—	42.5		

LAUDALE, ARGYLESHIRE, a.—SEPTEMBER 1908.

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°30	29°62	55°5	50°7	49°0	60°5	3°6	2°5	343	307	77	83	SE	3	N	3	7	18	—	—	Fine and breezy.
2	67	88	50°2	49°8	42°0	53°3	2°0	1°8	312	312	86	87	NW	6	NW	4	8	10	23	—	Stormy, with ☉ showers.
3	29°92	29°92	50°1	48°3	39°7	50°7	2°0	2°1	311	282	86	84	Calm	0	S	1	10	10	—	—	Dull and overcast.
4	30°03	30°12	52°2	49°1	37°0	59°5	4°0	1°1	290	321	74	92	Calm	0	N	1	6	6	23	—	Very fine all day.
5	29°97	29°79	48°2	58°2	40°0	59°0	0°0	2°1	338	421	100	87	SW	4	W	7	100	100	195	—	Misty, with ☉ showers.
6	80	82	57°3	57°6	52°2	59°3	1°2	2°6	433	398	92	83	W	6	W	6	100	100	45	—	Misty, with ☉ showers.
7	65	54	57°8	50°3	52°0	59°5	0°8	0°3	454	444	94	98	Calm	0	SW	1	10	100	50	—	Misty, a. and p. ☉p.
8	45	25	57°2	50°0	55°1	60°3	0°7	1°3	447	411	96	91	S	1	SW	3	100	100	112	—	Misty, with ☉.
9	28	52	50°0	49°3	46°2	56°6	3°8	4°3	269	252	75	71	N	4	N	6	100	100	12	—	Misty, with ☉ showers.
10	65	78	51°3	47°9	46°2	55°0	2°3	2°0	319	285	84	86	N	6	N	4	8	8	02	—	Stormy, with ☉ showers.
11	83	29°90	49°9	45°9	40°0	55°3	2°7	1°4	292	278	82	91	N	2	N	1	6	4	—	—	Fine, but cold.
12	99	29°92	53°7	55°0	45°0	57°3	0°7	1°0	392	297	87	99	Calm	0	NW	1	4	8	05	—	Very fine.
13	88	76	58°0	54°6	52°1	57°3	4°1	2°3	305	361	76	85	NW	4	S	4	10	100	86	—	Misty, with ☉ all day.
14	77	91	53°2	40°1	45°1	57°3	1°3	0°1	368	310	91	99	NW	4	Calm	0	8	1	—	—	Fine till 6p., then ☉.
15	82	59	54°5	57°2	42°1	59°2	0°0	1°1	381	434	100	93	S	5	S	3	10	100	02	—	Dull a. ☉ in evening.
16	56	76	63°5	57°7	52°3	65°4	3°5	3°0	467	390	79	81	S	6	S	5	10	90	22	—	Stormy, with ☉ all day.
17	76	79	60°2	59°5	55°0	65°2	3°0	1°3	426	467	82	92	S	1	S	5	10	100	05	—	☉ showers a.
18	87	98	60°5	58°5	54°0	63°7	3°6	2°5	414	414	79	84	S	5	S	1	6	10	05	—	Fine a.
19	89	93	62°0	55°1	54°7	63°2	3°8	0°0	433	435	78	100	S	1	Calm	0	100	100	30	—	Damp and misty.
20	98	89	56°1	60°2	53°3	67°3	0°2	1°1	445	485	98	94	Calm	0	Calm	0	10	10	—	—	Damp and misty.
21	94	86	59°2	52°2	50°0	60°2	2°2	0°0	433	391	87	100	S	1	S	1	10	3	03	—	Dull and misty.
22	85	93	58°8	56°1	50°0	59°9	2°8	1°1	410	418	83	92	S	1	Calm	0	10	100	38	—	Dull till 6p.
23	97	94	56°2	54°9	52°0	61°1	0°1	1°0	450	403	100	94	Calm	0	Calm	0	7	100	—	—	Dull and overcast.
24	81	64	50°9	58°0	52°5	59°7	3°2	4°7	370	359	80	73	S	5	S	7	10	100	40	—	Dull.
25	56	69	53°9	51°5	50°9	58°3	1°0	0°0	387	381	93	100	S	1	Calm	0	10	10	14	—	∞ all day.
26	82	54°5	50°7	48°0	60°0	1°5	1°6	381	329	90	89	S	2	S	1	8	3	—	—	☉ showers.	
27	71	76	58°5	57°3	49°2	61°1	2°6	0°3	411	461	83	98	S	6	S	1	100	10	60	—	Fine, but cloudy.
28	75	81	62°2	61°1	56°0	62°3	0°7	1°1	535	501	96	93	S	6	W	6	10	10	50	—	Dark a. ☉p.
29	85	29°93	62°5	64°5	57°7	65°0	0°8	2°3	538	524	95	86	S	5	SW	5	100	100	46	—	Dull and misty. ☉p.
30	29°775	29°804	55°7	54°2	48°5	60°1	2°0	1°5	390	382	87	90	2°9	2°6	8°8	8°6	9°88	—	—	☉ a. and p.	

† Beaufort Scale (0—12).

DUNDEE, FORFARSHIRE, c.d.—SEPTEMBER 1908.

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.		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.	Min.	Max.	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.	49.8	47.8	47.0	56.5	0.8	1.8	337	288	94	87	NE	9	NE	4	10	10	ins.	hrs.	0	☉ till 11a.	
2	29.40	29.40	49.8	47.8	47.0	56.5	0.8	1.8	337	288	94	87	NE	9	NE	4	10	10	☉	—	—	Cloud and sunshine. ☉ showers.	
3	46	69	49.5	47.5	41.7	57.0	4.4	2.5	252	269	71	82	W	4	W	1	10	7	☉	—	—	Dull.	
4	78	78	49.6	46.0	39.0	54.9	3.6	1.2	269	283	76	92	NW	1	NW	1	10	10	—	—	—	Dull.	
5	87	96	48.8	43.3	39.2	54.5	3.2	1.8	270	242	83	86	W	1	NE	1	10	10	—	—	—	Dull.	
6	90	65	46.0	54.7	36.0	55.4	2.5	1.4	255	388	83	91	SW	1	W	4	10	10	☉	—	—	Dull. ☉ from 11.30a.	
7	62	65	59.6	56.8	54.6	66.0	2.8	2.8	423	380	83	82	W	4	W	5	5	10	☉	—	—	Cloud and sunshine.	
8	53	43	54.2	53.2	53.0	58.6	0.4	0.2	409	400	98	99	SE	1	SE	1	10	10	☉	—	—	☉ n. and day. ☉ Dull.	
9	29.38	29.38	55.7	54.5	45.2	59.3	0.5	0.7	429	405	96	96	E	1	NE	1	10	10	☉	—	—	☉ from 8.30a. ☉	
10	29.35	29.35	58.4	46.9	46.5	54.5	1.2	2.2	360	269	91	85	N	2	NW	3	5	10	☉	—	—	Dull and cloudy.	
11	64	71	49.7	45.5	38.7	57.2	3.7	1.9	268	261	75	86	NW	1	NW	1	5	5	☉	—	—	Dull, with ☉.	
12	78	85	47.0	44.5	36.4	58.0	2.2	1.6	271	257	85	88	SW	1	NW	1	7	5	☉	—	—	Cloud and sunshine. ☉ showers.	
13	88	84	47.2	51.7	38.2	57.2	0.4	1.2	315	352	98	92	SW	1	SW	1	10	10	☉	—	—	Cloud and sunshine.	
14	73	61	57.9	55.0	50.0	61.9	1.7	0.1	428	430	89	99	SW	2	SW	1	10	10	☉	—	—	☉ 6.30a.-9a. Dull.	
15	59	74	52.9	46.2	46.0	62.4	1.6	0.2	356	308	89	99	SW	2	SW	1	5	5	☉	—	—	Dull and cloudy. ☉ from 5.30p.	
16	79	53	47.7	52.2	39.5	52.9	0.7	0.2	313	385	95	99	SW	1	SW	1	10	10	☉	—	—	Cloud and sunshine. ☉ showers.	
17	53	68	61.0	55.9	52.0	67.1	1.1	0.2	500	441	93	91	SW	3	W	2	5	10	☉	—	—	Dull and cloudy. ☉ showers.	
18	82	72	57.2	55.2	52.8	64.0	1.3	1.4	429	395	91	91	SW	1	NE	1	10	10	☉	—	—	Dull and cloudy. ☉ n.	
19	84	80	56.9	53.6	52.3	65.9	0.7	0.6	441	394	95	96	E	1	SE	1	10	10	☉	—	—	Dull and cloudy. ☉ 7.30p.-9.30p.	
20	86	89	54.5	53.8	52.0	56.0	0.3	0.3	416	407	97	98	NE	1	NE	1	10	10	☉	—	—	Cloud and sunshine.	
21	85	77	52.5	53.4	51.9	54.8	0.2	0.2	390	403	98	98	NE	3	NE	1	10	10	☉	—	—	Dull. ☉ 1.30p.-1.0p.	
22	75	80	53.8	53.0	51.4	54.5	0.3	0.0	407	403	98	100	NE	1	NE	2	10	10	☉	—	—	Dull, with ☉.	
23	86	84	52.5	51.5	51.0	54.2	0.1	0.5	393	367	99	96	E	2	NE	1	10	10	☉	—	—	Dull, with ☉. ☉ 6a.-9.30a.	
24	76	58	53.7	52.8	50.6	55.3	0.8	0.2	390	394	94	98	SE	1	SE	1	10	10	☉	—	—	Dull.	
25	46	52	52.4	50.0	49.8	56.8	0.2	0.2	388	356	98	99	SE	1	NW	1	10	10	☉	—	—	Dull. ☉ from 4.30p.	
26	65	74	50.5	51.2	44.7	61.9	0.3	0.4	360	368	97	98	W	1	SE	1	5	5	☉	—	—	Dull. ☉ showers.	
27	68	67	51.7	56.8	45.7	57.2	0.2	0.3	379	453	99	98	NE	1	NE	1	10	10	☉	—	—	Cloud and sunshine.	
28	72	75	62.5	62.0	50.6	66.0	1.5	1.8	513	494	91	89	SW	3	SW	3	10	10	☉	—	—	Dull. ☉ 7.30a.-9a. ☉	
29	82	82	63.5	62.0	60.8	67.8	1.8	1.7	523	497	89	90	SW	2	SW	2	10	7	☉	—	—	Cloud and sunshine.	
30	29.82	29.85	63.5	62.0	60.8	67.8	1.8	1.7	523	497	89	90	SW	2	SW	2	10	7	☉	—	—	Dull and cloudy.	
M.	29.653	29.678	53.2	51.8	47.2	58.6	1.3	0.9	376	366	91	94	1.9	1.6	8.9	9.0	4.80	—	—	—	—	—	—

GLASGOW, LANARKSHIRE, a.—SEPTEMBER 1908.

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

1	28°59'	29°43'	52°7'	50°5'	46°7'	58°8'	3°3'	4°2'	3°12'	2°66'	78	73	N	NW*	4	10	9	—	7°4'	41	Squally, with $\alpha^2$ a.	
2	51	71	50°9'	49°8'	43°1'	57°4'	5°7'	2°4'	2°98'	4	84	W	12	—	3	9	4	—	3°8'	35	Cloudy and squally.	
3	75	74	50°2'	47°5'	45°4'	52°3'	4°6'	2°5'	2°55'	2°69'	71	82	E	ENE	6	10	2	—	—	37	Dull.	
4	85	95	49°5'	49°3'	44°7'	50°9'	6°2'	4°4'	2°17'	2°50'	62	71	N	—	2	0	5	0°25'	71	31	Cloudy.	
5	89	68	48°5'	55°2'	40°7'	55°3'	2°8'	0°9'	2°74	410	81	94	SW	7	WSW	16	10	100°0	246	32	Overcast, with $\alpha$ .	
6	66	69	56°5'	56°2'	54°9'	60°8'	1°2'	2°5'	4°21'	3°80	92	84	WSW	19	WSW	9	100°0	9	294	2°0	53	Squally, with $\alpha$ a.
7	48	40	59°4'	57°8'	54°0'	60°1'	1°1'	0°8'	4°71'	4°54	94	94	SW	16	SSW	12	100°0	100	647	—	52	Overcast, with $\alpha^2$ .
8	29°32'	27	57°1'	53°8'	53°8'	58°2'	0°8'	2°4'	4°42'	348	94	84	S	11	SE	7	10	6	346	—	49	Overcast, with $\alpha^2$ .
9	28°99'	28	53°7'	46°6'	46°0'	54°2'	3°4'	3°7'	3°22'	235	78	74	NW	5	W	12	9	8	070	1°3	41	Cloudy.
10	29°43'	59	50°1'	48°3'	45°7'	57°4'	2°4'	3°1'	3°01'	205	83	78	WNW	4	—	3	100°0	8	042	2°0	39	$\alpha$ a. and p. T 5.15p.
11	65	71	48°4'	44°9'	41°7'	54°9'	4°1'	2°2'	2°46'	249	73	85	—	2	—	1	4	3	—	7°4	32	Fine.
12	78	88	47°1'	45°5'	37°6'	55°3'	4°1'	2°1'	2°32'	257	72	85	N	4	NW	4	2	9	007	9°5	28	Fine and clear. $\square$ 10p.
13	87	82	50°3'	53°5'	44°5'	54°3'	1°2'	1°4'	3°34	370	92	90	SW	8	SW	6	10	10	172	—	36	$\alpha$ 5.30a. and from 11p.
14	75	59	56°1'	55°9'	53°3'	56°9'	2°8'	0°9'	3°72	420	82	94	S	W	8	SSW	13	10	472	—	52	Overcast, with $\alpha^2$ .
15	60	76	53°8'	48°5'	48°3'	58°0'	2°3'	2°3'	3°51	285	85	83	SW	7	W	4	6	0	—	6°9	39	$\alpha$ a. Clear evening.
16	74	47	50°4'	58°8'	45°1'	59°0'	2°7'	0°6'	2°98	477	82	96	S	7	SSW	6	10	100	427	—	36	Overcast. $\alpha^2$ from 4p.
17	50	65	62°3'	56°6'	55°4'	64°6'	3°0'	0°6'	4°61	440	82	96	S	15	SE	4	9	100	561	1°3	54	Cloudy a. $\alpha^2$ p.
18	66	68	57°5'	58°8'	56°1'	61°0'	0°8'	2°6'	4°49	416	95	84	S	8	—	3	100	100	026	—	54	$\alpha^2$ a. $\alpha$ p. Overcast.
19	76	85	60°1'	54°9'	54°9'	65°0'	1°8'	1°3'	4°62	394	89	92	S	6	—	2	10	4	—	3°6	45	Cloudy, then fine.
20	78	75	56°5'	59°1'	53°1'	63°1'	1°5'	0°8'	4°12	428	90	95	NE	4	ENE	5	10	10	068	—	47	$\alpha$ 2p.-5p. Overcast.
21	81	93	57°2'	56°0'	55°5'	60°3'	0°9'	0°7'	4°40	476	94	95	NE	5	E	4	10	100	205	0°6	55	$\alpha$ 6.30p.-10p.
22	78	69	55°2'	55°1'	54°3'	56°3'	0°6'	0°4'	4°19	423	96	97	E	4	E	7	10	10	076	—	53	$\alpha$ a. and in afternoon.
23	68	76	54°6'	56°2'	53°0'	59°3'	0°4'	0°9'	4°15	425	97	94	E	4	NE	4	10	10	298	—	52	$\alpha$ a. $\alpha^2$ 5p.-6p.
24	80	79	55°1'	53°3'	52°9'	57°2'	1°0'	1°4'	4°05	367	93	90	ENE	6	ENE	7	10	10	038	—	52	Overcast. $\alpha$ 11p.
25	67	50	55°3'	56°2'	51°9'	59°4'	3°1'	2°8'	3°51	374	80	82	E	7	SE	5	10	10	125	0°1	51	$\alpha$ showers a. Dull p.
26	40	54	53°4'	51°0'	51°0'	56°5'	2°2'	1°4'	3°47	338	85	90	—	2	W	6	8	9	418	1°8	46	$\alpha^2$ showers. T 11a.
27	65	69	53°3'	51°1'	48°9'	59°1'	2°6'	2°0'	3°36	303	82	80	W	4	—	3	9	5	010	7°0	41	Fine, but cloudy.
28	61	65	52°1'	60°1'	47°9'	62°4'	1°4'	0°8'	3°52	493	90	95	ENE	6	S	6	100	100	160	—	47	$\alpha$ showers. $\alpha^2$ n.
29	69	73	61°6'	62°1'	59°5'	64°2'	2°7'	1°8'	4°60	490	84	89	SSW	16	SW	9	9	9	010	0°8	58	$\alpha$ early a. Dull.
30	29°79'	29°86'	62°9'	61°1'	59°5'	67°3'	2°3'	2°4'	4°95	460	87	85	S	15	SW	8	10	1	—	0°1	56	Dull. Clear n.
M.	29°628	29°657	54°4'	53°8'	49°9'	58°9'	2°4'	1°9'	3°63	369	84	87			8	6	8°8'	7°7'	4°743	63	44°8'	

\* Miles per hour.

† Beaufort Scale (0—12).



COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—SEPTEMBER 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.		
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	†	†			ins.	hrs.	°		
2	28°70	29°21	53	50	45	56	4	4	299	265	74	74	W	5	N	6	4	9	53	40	
3	29°31	30°41	55	49	46	65	9	4	223	255	52	73	N	6	N	5	4	4	300	85	41
4	61	62	52	44	41	66	5	1	266	265	69	92	E	2	NE	1	3	5	—	30	43
5	62	78	49	46	46	52	3	2	276	265	79	86	NW	3	NW	2	6	4	—	38	41
6	78	58	47	53	37	53	4	2	233	347	73	86	NW	5	NW	9	9	7	010	—	37
7	54	55	59	56	52	60	3	1	407	419	82	93	NW	8	Cal	0	9	7	050	72	39
8	43	38	59	59	54	64	0	2	500	436	100	88	SW	6	SW	5	10	8	020	01	43
9	29°27	30°3	59	56	54	62	3	2	407	391	82	87	SW	2	SE	6	8	10	020	17	42
10	28°73	30°2	51	46	46	56	2	2	323	265	86	86	W	3	NW	8	7	10	060	13	34
11	29°18	33	49	48	43	52	3	1	276	309	78	93	N	5	NW	4	10	9	160	01	32
12	45	48	49	40	40	52	5	2	235	207	67	84	NW	3	NW	3	4	2	010	10	34
13	58	67	49	44	40	55	4	3	255	224	73	77	N	2	W	2	2	2	010	95	28
14	73	72	49	50	39	56	2	0	298	361	86	100	W	4	SW	2	9	10	010	05	27
15	64	51	55	54	50	60	1	2	403	360	93	86	SW	3	W	5	9	9	080	—	41
16	44	55	53	43	43	62	3	2	322	234	80	84	NW	5	W	2	7	2	030	45	49
17	65	43	50	50	40	53	2	0	309	361	86	100	SW	3	S	2	9	10	270	—	29
18	46	58	60	58	50	68	1	1	485	451	94	93	S	2	W	2	8	4	005	50	41
19	58	59	55	55	50	60	1	0	403	433	93	100	SW	2	Cal	0	8	10	270	01	40
20	64	70	63	60	52	71	3	2	474	453	82	88	W	2	Cal	0	2	10	—	85	40
21	66	62	56	55	50	64	0	0	449	433	100	100	SE	4	Cal	0	10	100	480	—	39
22	66	69	57	56	50	62	0	0	465	449	100	100	Cal	0	Cal	0	10	100	07	46	
23	64	56	54	54	53	57	0	0	418	418	100	100	Cal	0	SE	1	100	100	220	—	46
24	55	56	56	54	53	60	0	0	449	418	100	100	SE	1	NE	1	100	100	020	44	45
25	64	64	53	53	52	55	1	1	374	374	93	93	NE	1	SE	1	10	10	010	—	45
26	55	43	56	52	50	58	1	0	419	388	93	100	NE	1	SE	2	8	10	160	28	43
27	29	36	54	50	48	56	2	1	360	334	86	93	SE	3	SW	3	8	8	150	22	40
28	49	56	54	47	45	60	3	0	334	323	80	100	NE	2	Cal	0	4	4	020	58	35
29	63	55	52	63	42	63	0	3	388	474	100	82	SE	2	SW	4	10	3	—	40	30
30	63	66	65	58	57	73	4	2	478	421	78	87	SE	2	Cal	0	8	3	—	69	45
31	29°72	29°75	66	61	55	74	5	3	464	439	73	82	SW	2	SW	1	4	3	—	99	44
M.	29°489	29°517	54°6	52°1	47°4	60°2	2°5	1°4	366	359	84	90		3°0	2°6	7°3	7°0	3°225	106	39°3	

## DOUGLAS, ISLE OF MAN, a.—SEPTEMBER 1908.

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°51'	29°38'	52°0'	52°0'	45°0'	58°0'	27°	3'2	318	305	82	79	NNW	6-7	NW	6	9●	3	025	5'2	41	Cloudy, with ● showers.
2	29°51'	50°4	51°2	52°0'	47°0'	55°5	3'7	2'2	286	307	76	85	W	5	NW	6	4	1	—	9'2	43	Fine.
3	52	55	53°8	48°0'	43°8	54°0'	2°8	1'2	337	304	81	92	E	3	E	6	9●	10●	343	0'3	39	Cloudy a. ● p.
4	71	89	51°0	45°0'	42°0	56°0'	4°0	2°5	276	243	74	82	NE	5	NW	3	8	0●	—	8'2	45	Fine.
5	90	77	50°5	55°0'	42°0	55°0'	3°8	1°8	275	381	75	88	NW	3	WSW	7	10	10	—	0'3	38	Fine a.
6	75	70	55°9	57°0	53°8	62°1	1°5	0°5	404	450	91	97	WSW	7	SW	4	10	10	013	1'8	49	Dull.
7	56	29°45	57°0	55°1	55°0	58°8	0°1	0°8	462	411	99	94	SSW	5-6	SSW	7	10	9	121	—	47	Dull and misty. ● showers p.
8	29°28	29°58	55°1	53°6	52°8	56°0	0°1	2°9	432	333	99	80	S	5-6	SSE	7	10●	9●	692	0'2	52	Dull and stormy, with ●.
9	29°28	29°31	53°6	49°0	47°6	57°0	2°6	3°8	339	259	82	74	WNW	4	WNW	7	8	6	379	3'6	47	Stormy, with ● showers.
10	29°38	51	48°0	50°0	45°0	55°5	0°5	2°8	322	291	97	81	WNW	6-7	NW	5	10●	4	095	4'8	42	● showers a. Fine p.
11	55	61	49°9	44°5	44°0	55°2	2°4	0°9	299	273	85	93	NNE	3	NW	2	9	0	028	8'8	43	Fine, then ● showers.
12	70	83	52°0	46°8	40°0	55°0	4°0	1°7	287	279	74	88	WNW	3	NW	1	2	7	106	6'6	35	— a. Fine. p. p.
13	83	82	53°3	54°6	46°0	57°0	2°8	0°7	331	407	81	95	SW	3	SSW	3	8	10	134	2'4	40	Fine a. p. p.
14	75	63	54°8	54°5	53°5	57°3	0°1	0°5	428	410	99	96	SW	4	SW	5	10●	10	344	—	52	Dull and stormy, with ●.
15	57	75	54°4	47°6	47°5	57°5	2°4	1°4	356	295	84	90	W	3	W	2	8	2	235	4'7	48	● noon.
16	71	53	53°5	56°8	45°5	57°0	2°6	0°1	339	459	82	99	SSW	4	SW	5	9●	10●	1225	—	40	● a. Stormy, with ●.
17	56	62	57°3	57°0	55°9	58°3	0°3	0°6	461	446	98	96	SW	5	S	4	10	10	—	50	Dull, squally, and misty.	
18	60	59	56°0	56°7	55°2	59°2	0°6	0°7	431	438	96	95	SE	3	ESE	2	10	10	132	—	54	Dull, dry, and misty.
19	69	74	56°2	56°8	55°0	59°0	0°4	1°6	440	414	98	89	SSW	3	ESE	2	9	9	—	8'1	55	Fine.
20	65	67	58°2	57°0	56°0	58°2	0°4	0°2	473	459	98	99	ESE	1	WNW	2	10●	9●	025	—	51	● a. Dull, with ■.
21	70	74	55°2	50°8	50°0	59°1	0°0	0°5	436	359	100	96	SW	1	SSE	1	10●	0	149	1'7	54	■ a. Fine afternoon.
22	67	57	52°8	54°8	49°8	60°8	0°4	3°0	389	348	97	81	ESE	2	ESE	2	9	0●	—	6'5	54	■ a. Very fine.
23	55	64	55°0	55°2	51°5	59°3	8°0	1°4	375	395	87	91	E	3	W	2	10	10	—	—	54	Dull and damp, with ■.
24	67	65	58°7	54°9	51°1	62°0	2°5	1°4	417	391	84	92	SSW	1	ESE	1	7	10	—	6'4	51	Very fine.
25	58	38	53°0	54°7	52°5	57°5	0°7	1°5	383	385	95	90	SSW	3	SE	5	10●	10●	270	0'7	48	■ a. Fine. ● from 7p.
26	37	52	52°5	52°2	50°8	57°0	2°5	1°0	328	363	83	93	W	6	W	4	8	6	118	3'0	49	Fine a. ● showers p.
27	58	59	56°8	54°9	51°1	58°6	3°0	1°4	359	391	77	92	SSE	3	E	3	4	10	115	8'2	43	Very fine.
28	55	64	56°8	58°3	54°9	59°0	0°0	0°0	462	487	100	100	SSE	3	S	5	10●	10●	012	—	54	Damp, with ■.
29	69	74	58°6	58°6	57°8	62°0	0°6	0°7	473	470	96	96	SSW	4	SSE	3	9	10	—	1'7	56	Fine.
30	29°79	29°81	60°0	57°6	57°2	63°5	1°5	1°0	469	445	91	93	SSW	4	W	2	10	0●	—	1'4	57	Fine.
M.	29°577	29°607	54°4	53°3	50°0	58°0	1°7	1°4	380	373	89	91		3°8		3°8	8°7	6°8	4°455	98	47°5	

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—SEPTEMBER 1908.

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.		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.	Min.	Max.	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.	53.0	53.0	44.3	56.7	4.4	5.8	in.	in.	%	%	—	—	3	NW	4	9	4	ins.	hrs.	°	
2	28.71	29.24	53.0	53.0	44.3	56.7	4.4	5.8	2.90	2.61	72	65	—	—	3	NW	4	9	4	0.35	5.1	35	● showers all day.
3	29.39	30.51	51.7	51.4	47.7	54.9	3.7	3.6	2.91	2.90	76	70	W	7	NW	11	10	0	—	5.9	41	Bright and fresh.	
4	30.58	31.46	50.7	49.6	39.7	53.3	4.2	3.6	2.69	2.69	73	76	—	2	NE	9	10	10.0	1.35	0.4	31		
5	31.57	32.78	49.0	48.6	45.8	54.8	4.0	3.6	2.55	2.58	73	75	NNE	5	—	2	10	4	—	1.6	41	Misty a. Fine but cloudy.	
6	32.83	33.75	50.0	53.0	39.9	54.9	3.0	3.4	2.86	3.13	80	78	W	4	WSW	8	10	10	—	0.8	29	Cold wind. Cloudy.	
7	33.71	34.67	50.3	55.6	51.5	57.7	3.3	2.9	3.61	3.62	79	81	WSW	12	WSW	5	10	3	0.12	—	48	Cloudy.	
8	34.53	35.43	60.2	57.9	53.6	64.4	2.5	2.6	4.41	4.03	85	84	SW	12	SW	6	10	1	—	0.2	48	Fine.	
9	35.28	36.36	56.4	53.7	48.0	59.7	3.4	2.7	3.59	2.91	79	70	S	11	S	17	10	3	0.860	1.9	39	● showers.	
10	36.15	37.05	50.6	49.5	47.7	57.3	1.6	3.8	3.27	2.65	89	74	SW	15	NW	12	10.0	10.0	3.55	3.9	42	● a. ● showers p.	
11	37.26	38.38	48.4	47.5	44.3	53.9	1.7	1.5	2.98	2.91	88	89	WSW	15	—	0	10.0	10.0	0.60	0.8	39	● showers all day. T 6p.	
12	38.45	39.51	48.6	46.0	39.3	54.3	3.2	4.0	2.67	2.25	78	73	—	0	—	2	9	3	—	4.5	29	Fine and sunny.	
13	39.78	40.72	49.0	44.2	35.1	54.7	3.7	2.2	2.61	2.42	75	83	—	2	—	2	0	1	0.47	11.0	25	Fine and sunny.	
14	40.71	41.62	50.0	52.1	41.3	54.7	1.8	2.1	3.14	3.34	87	85	—	3	—	3	10.0	4	0.198	—	32	● ga.-10a., then fine.	
15	41.51	42.54	54.0	54.0	51.2	56.7	2.0	3.0	3.60	3.34	86	80	SW	6	SW	8	10.0	10	0.590	—	46	● 7a.-noon.	
16	42.51	43.51	55.3	51.0	50.2	58.1	2.5	3.0	3.67	2.99	84	80	WSW	6	NW	5	8	1	0.050	2.4	42	● a. ● showers.	
17	43.51	44.51	51.0	56.0	42.8	56.0	2.0	1.0	3.23	4.19	86	93	—	2	SW	7	10	10.0	0.790	—	33	● noon-10p.	
18	44.51	45.51	62.0	59.0	55.3	67.1	3.0	3.1	4.56	4.04	82	81	SW	10	SW	4	8	3	—	5.7	48	Fine and sunny.	
19	45.51	46.51	59.0	57.5	51.3	60.2	4.0	1.9	3.80	4.16	76	88	—	2	—	3	10	10	0.730	—	40	● from noon.	
20	46.70	47.62	58.8	55.3	66.7	63.3	2.4	4.7	4.42	81	85	S	10	—	2	5	0	0.060	6.4	44	Misty, then fine.		
21	47.59	48.60	60.0	56.6	60.9	67.0	2.0	1.0	4.56	4.85	88	94	NE	4	—	1	10	10	0.690	—	44	●	
22	48.63	49.52	61.6	51.6	60.0	67.0	1.2	1.6	4.64	3.40	93	89	—	2	—	1	10	0	0.020	0.1	41	Overcast and misty.	
23	49.60	50.51	50.2	54.3	42.2	59.7	1.2	1.3	3.32	3.84	92	91	—	3	—	0	4	8	—	3.9	38	Fine.	
24	50.55	51.53	54.0	53.0	58.4	64.0	1.0	1.0	3.74	3.88	93	93	—	3	—	3	9	0	—	—	45	Dull and overcast.	
25	51.59	52.53	54.0	47.2	59.6	64.0	1.0	1.0	3.77	3.88	93	93	—	3	—	2	8	10.0	0.005	0.5	42	Mild and misty.	
26	52.39	53.43	54.5	52.3	59.7	64.0	1.9	1.5	3.68	3.81	87	90	—	1	S	5	10	8	0.323	0.7	45	Very dull and misty.	
27	53.44	54.20	52.6	50.0	55.8	64.0	0.5	0.6	3.75	3.80	97	96	SW	13	SW	10	9	10.0	1.95	2.3	46	● showers all day.	
28	54.54	55.40	52.0	48.0	58.3	64.0	1.7	2.6	3.68	3.20	88	82	—	2	—	2	6	0	0.005	7.1	44	Fine.	
29	55.62	56.72	62.3	51.0	67.2	64.0	0.7	0.6	4.47	5.41	96	96	S	5	SW	4	10.0	6	0.078	0.2	45	● 5p.	
30	56.68	57.71	63.0	64.0	61.4	71.4	3.0	2.5	4.74	5.09	82	85	S	10	S	4	6	0	—	9.4	59	Very warm and sunny.	
31	57.77	58.78	65.0	65.5	59.8	73.7	2.5	2.3	5.27	5.43	86	86	S	7	—	3	0	0	—	8.8	54	Fine and very warm. T 7p.	
M.	29.515	29.548	54.6	54.1	48.5	59.4	2.5	2.5	3.64	3.59	84	84		6		5	8.4	5.0	5.238	84	41.2		

## HILLINGTON, NORFOLK, a.b.—SEPTEMBER 1908.

Height above Mean Sea Level, 89 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long.  $0^{\circ} 33' E.$  Lat.  $52^{\circ} 48' N.$  Gravity Correction, +.021 in.

1	29	29	51	52	47	56	05	13	361	362	96	91	SW	3	W	5	100	9	34	30	42	● a. and p. $\mathcal{K}$ 2.45p.	
2	'66	'75	52	47	46	59	22	23	340	327	85	83	N	4	N	2	7	0	'07	55	41	● afternoon. $\mathcal{K}$ p.	
3	'87	29	52	48	41	56	23	07	335	321	84	95	NE	1	W	1	10	10	'11	20	42	● early a.	
4	29	30	51	48	47	54	14	14	348	309	90	89	NE	4	NE	1	10	8	'06	—	41	● a.	
5	30	'05	52	53	37	59	48	34	277	323	70	78	SW	2	SW	2	10	8	—	41	32	● fine. Overcast p.	
6	'03	'00	57	54	48	63	38	25	361	357	77	83	SW	3	SW	1	7	2	—	49	44	Sunny and cloudy.	
7	'91	29	61	59	51	68	39	31	416	415	77	81	SW	3	SW	1	5	9	—	36	43	Sunny and cloudy.	
8	'64	'49	59	58	45	72	43	04	382	482	74	97	S	2	SW	6	0	8	'01	71	37	Very fine and sunny. ● p.	
9	'40	'45	57	51	50	59	63	24	303	323	64	83	SW	6	SW	5	6	10	'04	34	45	Very fine and sunny. ● p.	
10	'61	'63	52	49	42	57	55	18	293	312	66	88	SW	3	SW	1	5	8	—	71	40	Very fine and sunny.	
11	'68	'75	53	40	43	56	32	07	318	235	79	94	N	2	NW	1	9	1	—	34	40	Overcast a. Sunny p. T 2p.	
12	29	29	50	38	33	56	55	05	235	221	64	95	NW	2	NW	1	8	2	—	76	28	Sunny and cloudy.	
13	30	30	48	50	31	56	22	11	317	321	92	88	NW	4	NW	1	8	2	'02	20	27	Sunny a. Overcast p.	
14	30	29	48	50	31	56	22	11	317	321	92	84	SW	2	SW	1	9	0	—	04	41	Overcast.	
15	30	29	48	50	31	56	22	11	317	321	92	88	SW	2	SW	2	9	2	'09	—	38	Overcast all day.	
16	30	'05	'84	53	46	44	56	17	05	366	302	88	96	SW	2	SW	3	10	10	'12	13	35	Sunny a. Overcast p.
17	'95	'91	51	50	41	58	21	07	357	353	92	95	SW	2	SW	3	10	10	—	80	45	Fine, sunny, and warm.	
18	'95	'93	60	55	50	69	30	10	428	403	82	93	W	2	W	1	6	3	—	95	47	Sunny and cloudy. Very warm.	
19	'91	'97	62	56	43	76	40	39	434	437	77	77	S	2	SW	1	4	9	—	58	38	Very fine. Sunny and warm.	
20	'97	30	62	60	51	73	26	22	473	402	84	86	S	1	N	1	4	0	—	94	—	Very fine. Sunny and warm.	
21	'92	29	66	67	62	56	70	41	524	500	77	88	NE	2	E	3	5	0	—	95	—	Very fine. Sunny and warm.	
22	'93	'96	62	54	54	65	17	04	507	418	89	97	S	1	W	1	9	4	'20	—	—	● at times.	
23	'86	'82	56	54	49	56	04	03	436	422	97	98	W	1	W	1	10	10	'59	—	—	● greater part of day.	
24	'79	'78	59	56	47	62	16	05	454	437	90	96	SE	2	E	3	5	10	'10	26	—	Sunny at times. ● n.	
25	'75	'82	60	51	53	69	07	05	505	365	95	96	E	2	E	1	9	10	'08	43	—	Sunny and cloudy. $\mathcal{K}$ 1p. ● p.	
26	'82	'76	55	54	50	56	04	24	421	360	97	83	SE	1	SE	1	10	10	'05	—	—	Overcast and chilly. ● p.	
27	'74	'79	58	56	50	52	03	39	377	329	76	89	SW	5	SW	3	4	4	—	83	—	Very fine and sunny.	
28	'83	'88	58	48	47	63	17	13	340	295	88	90	SW	2	SW	1	8	0	—	75	—	Very fine and sunny.	
29	29	29	58	53	62	44	05	10	456	543	93	97	S	3	SW	1	10	10	—	02	—	Overcast.	
30	30	30	65	62	60	74	07	26	535	531	85	95	SW	3	SW	2	8	0	—	86	—	Very fine and sunny.	
	30	30	66	61	58	78	25	12	546	512	85	93	SW	2	SW	2	0	0	—	95	—	Very fine, sunny and warm.	
M.	29	29	57	53	47	63	27	14	393	375	83	90	25			19	72		53	188	129	—	

\* Miles per hour.

† Beaufort Scale (0—12).



SHREWSBURY, SHROPSHIRE.—SEPTEMBER 1908.

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

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.							in.	in.	%	%	W	†			ins.	hrs.			
2	28.84	29.46	50.0	51.0	46.3	57.3	0.3	1.7	.353	.331	98	88	NW	3	NW	1	8	0	ins.		
3	29.60	.72	54.1	49.5	42.7	58.0	2.4	2.8	.351	.285	83	81	NW	2	NW	2-3	9	3	.09		
4	.72	.55	49.5	47.0	40.0	53.1	1.6	0.0	.314	.323	89	100	SE	1	SE	1-2	10	10	.31		
5	29.69	.93	48.0	44.0	43.5	56.8	0.2	0.0	.330	.288	99	100	NNE	1	WNW	1	10	0	.01		
6	30.03	.66	50.5	53.0	35.0	58.9	2.0	1.9	.317	.350	87	87	WSW	2	WNW	2	9	10	—		
7	29.93	.89	57.9	58.0	52.6	64.9	3.4	2.0	.382	.421	79	87	SW	3	SW	2	9	10	—		
8	.77	.63	59.8	55.0	54.0	65.0	1.4	2.0	.469	.375	91	87	SW	3-4	SSW	2	10	0	.01		
9	.49	.31	55.2	52.2	47.8	60.0	2.3	2.5	.370	.326	85	83	SSW	1	S	4	10	0	—		
10	.17	.41	52.9	49.0	49.0	56.2	2.9	2.4	.323	.289	81	83	SSW	7	SW	3	10	6	.06		
11	.54	.56	51.1	47.9	41.7	56.4	4.6	0.7	.265	.315	71	95	WNW	5	NW	2	4	10	.44		
12	.59	.66	51.1	43.9	43.2	54.1	2.8	0.4	.305	.278	81	97	NW	1	WNW	1	7	7	.13		
13	.77	.90	48.7	47.0	32.1	59.0	2.3	0.8	.289	.310	84	95	WNW	2	WNW	2	3	4	.01		
14	.97	.97	50.7	53.0	59.1	58.9	2.6	1.8	.305	.352	83	87	SW	2	W	2	9	9	.01		
15	.93	.83	58.0	52.5	50.0	62.5	3.0	2.0	.393	.341	81	87	SW	3	SW	2	8	6	—		
16	.69	.79	58.7	49.9	49.8	66.2	1.9	0.9	.435	.335	88	94	SW	2	NW	1	3	0	.02		
17	.90	.74	51.8	58.5	43.8	58.8	1.7	2.0	.341	.429	88	87	SW	1	SE	3	10	3	.05		
18	.77	.70	62.9	57.2	54.9	70.0	3.5	1.1	.456	.434	79	93	SSW	2	SSE	2	8	0	—		
19	.74	.55	57.7	50.0	61.0	1.6	0.3	.388	.468	89	98	ESE	2	SSE	1	9	6	.19	—		
20	.82	.53	60.0	57.2	54.9	68.0	2.0	0.0	.453	.468	88	100	SE	1	Calm	0	7	0	.08		
21	.73	.74	58.4	57.0	54.0	62.9	0.2	0.0	.483	.465	99	100	Calm	0	SE	1	10	7	.43		
22	.80	.31	55.5	46.2	45.7	65.7	0.7	0.0	.421	.313	96	100	SW	2	SW	1	10	0	—		
23	.76	.66	46.6	52.9	38.2	62.1	0.4	0.9	.308	.375	97	94	SE	1	SE	1	7	0	—		
24	.63	.66	54.0	56.0	52.1	60.7	1.0	0.4	.388	.437	93	97	SE	1	SE	1	10	0	—		
25	.73	.73	55.8	55.0	53.1	61.1	1.6	0.0	.399	.433	89	100	SE	1	Calm	0	8	10	—		
26	.70	.60	52.8	54.0	50.0	62.0	0.5	1.7	.386	.379	96	89	ESE	1	SE	3	10	10	.02		
27	.58	.65	57.0	52.0	48.3	61.0	3.1	1.5	.374	.348	80	90	WNW	3-4	WNW	2	10	10	.12		
28	.69	.68	54.0	55.7	47.9	62.8	2.4	0.7	.350	.423	84	95	SE	1	SE	2	9	10	—		
29	.78	.78	61.4	64.5	55.0	72.0	1.4	2.5	.497	.517	92	85	S	2-3	Calm	0	6	10	—		
30	29.95	29.94	64.7	63.5	58.6	74.1	3.3	1.6	.495	.530	81	90	SSW	3	SSW	2	2	0	—		
			65.3	63.7	59.0	78.8	2.3	0.7	.539	.505	86	96	S	3	S	1	2	0	—		
M.	29.702	29.725	55.1	53.5	47.7	62.3	2.0	1.2	.383	.383	87	92				1.6	7.8	4.8	1.77	—	43.5

CAMBRIDGE, a.—SEPTEMBER 1908.

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	29'07	29'53	53'8	55'2	48'5	60'0	2'2	5'5	3'53	2'94	85	68	SW	5	NW	4	100	1	16	4'1	43	☉ showers.
2	75	85	57'0	48'9	47'0	61'6	5'7	3'4	3'11	2'67	67	78	NW	3	SW	3	1	0	04	8'5	42	R ☉ 1p.-2p.
3	93	29'72	52'2	49'5	40'1	57'1	3'0	1'5	3'13	3'15	80	89	W	1	SE	3	6	100	13	1'0	34	☉ from 4p.
4	29'74	30'06	51'7	47'8	47'5	54'0	0'7	1'3	3'65	3'01	95	91	NE	3	NW	2	100	1	05	—	47	Overcast, with ☉.
5	30'21	1'5	53'8	52'8	38'1	59'4	4'0	2'9	3'08	3'24	75	80	SW	2	SW	2	1	2	—	4'6	32	Fine.
6	30'11	30'08	60'2	57'0	49'6	67'9	4'8	2'7	3'77	3'85	72	83	SW	3	SW	2	2	8	—	10'5	45	Fine and sunny.
7	29'99	29'87	61'8	53'3	49'1	70'5	5'8	2'8	3'74	3'31	68	81	SW	3	SW	1	0	0	—	10'5	42	Fine and sunny.
8	71	57	63'2	59'3	43'8	71'9	5'5	2'8	4'04	4'18	70	83	SW	1	SW	3	1	6	—	6'7	45	☉ 6a. ☉ in evening.
9	50	56	60'0	51'9	51'2	62'8	6'9	2'9	2'98	3'11	62	81	SW	8	SW	4	2	9	05	7'2	45	
10	71	72	53'0	51'9	43'1	59'4	5'5	4'1	2'67	2'85	67	74	WSW	3	SW	2	2	7	—	10'5	38	Fine and sunny.
11	73	29'80	52'2	47'2	44'5	57'3	3'5	1'2	3'01	2'95	77	92	NW	2	NNE	2	9	8	33	3'0	41	Sunny a.
12	29'89	30'06	50'6	40'6	33'6	58'4	4'4	0'3	2'63	2'47	71	97	NW	2	Calm	0	0	1	—	9'0	41	☉ early a. Fine and sunny.
13	30'17	1'9	53'0	52'0	35'0	58'9	3'2	2'4	3'17	3'25	79	84	W	1	S	3	4	9	—	4'3	32	Sunny a.
14	30'17	30'07	55'5	53'5	51'8	64'4	3'5	2'5	3'44	3'40	78	83	SW	4	SW	3	10	0	—	2'1	47	Overcast till 2.30p.
15	29'94	29'92	55'5	48'0	46'0	58'0	2'9	0'0	3'60	3'35	82	100	S	2	Calm	0	100	1	10	0'2	37	Overcast all day.
16	30'12	30'01	53'1	54'2	42'2	60'1	2'2	1'7	3'44	3'72	84	89	W	1	S	5	8	10	04	1'9	36	☉ 2p.-5p., and 6p.-8p.
17	30'02	30'02	62'5	54'0	53'0	71'0	4'5	1'0	4'20	3'88	74	93	SE	3	Calm	0	3	0	—	10'6	45	Fine and sunny.
18	29'96	29'92	63'5	61'8	42'8	75'5	5'0	1'8	4'23	4'90	72	89	SE	3	Calm	0	7	7	01	5'7	37	☉ 6a. Sunny till 1p.
19	30'04	30'05	58'7	61'0	50'2	73'1	0'7	1'1	4'71	5'00	96	93	SW	1	Calm	0	10	0	—	6'0	45	☉ 6a. Sunny from 10a.
20	29'95	29'94	68'6	64'6	50'2	76'0	4'6	1'6	5'24	5'50	75	90	SE	3	SE	2	7	90	—	6'4	46	☉ 6a. Sunny 8a.-4p.
21	99	30'03	61'6	50'5	50'0	65'1	2'4	0'0	4'69	3'68	85	100	SW	4	Calm	0	10	0	05	—	55	Overcast, with ☉.
22	94	29'87	49'0	54'0	42'0	59'1	0'0	0'5	3'48	4'03	100	97	SW	1	Calm	0	100	10	—	40	—	☉ 6a. Overcast.
23	82	82	61'0	58'0	48'1	66'0	3'5	1'6	4'25	4'33	80	89	SE	4	NE	2	2	4	33	4'2	42	Sunny intervals.
24	85	88	56'7	54'0	53'9	66'3	0'7	0'2	4'38	4'12	95	99	NW	2	Calm	0	100	0	02	2'3	49	☉ in afternoon.
25	89	85	55'1	53'7	53'0	58'8	1'2	0'6	3'99	3'96	91	96	NW	1	SW	2	10	0	03	0'5	48	Overcast and gloomy.
26	82	87	58'0	54'0	52'0	64'0	3'5	2'9	3'80	3'37	79	81	SW	5	SW	4	5	10	—	8'8	47	Sunny from 7a.-4p.
27	90	29'92	55'5	54'6	47'0	65'0	3'5	1'0	3'44	3'98	78	93	SW	3	SW	1	6	2	01	6'5	44	Sunny from 9a.-4p.
28	29'95	30'06	59'9	64'2	53'0	70'0	1'0	1'4	4'84	5'50	94	92	SE	2	SE	2	10	10	—	1'5	49	Fine.
29	30'12	1'6	67'2	62'4	60'0	73'9	3'2	0'5	5'40	5'46	82	97	SW	3	SE	3	8	0	7'3	52	Sunny and very warm.	
30	30'20	30'17	66'4	62'0	56'4	77'1	3'3	0'6	5'27	5'34	82	96	S	2	SE	2	2	0	9'5	48	Sunny and very warm.	
M.	29'906	29'923	57'6	54'4	47'4	64'8	3'4	1'8	3'83	3'82	80	89		2'7		1'9	5'8	4'2	1'35	153	42'8	

† Beaufort Scale (0—12).

CHELTENHAM, GLOUCESTERSHIRE, a.—SEPTEMBER 1908.

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.		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.	Min.	Max.	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.	54.0	50.2	49.5	59.4	3.4	2.4	.327	.303	78	83	SW	5	SW	3	10	8	ins.	hrs.	°	
2	28.91	29.46	54.0	50.2	49.5	59.4	3.4	2.4	.327	.303	78	83	SW	5	SW	3	10	8	.02	2.2	44	☉ early a. Fine day.
3	29.65	.78	57.7	46.1	46.1	59.9	5.1	1.6	.335	.274	70	88	S	3	SW	2	9	0	.06	7.7	39	Bright a. ☉ 1.30p.
4	.77	.51	52.7	51.7	40.4	54.3	4.1	1.9	.294	.334	74	87	SW	3	SW	2	10	8	.24	0.7	36	Dull, with ☉.
5	29.63	29.97	49.7	48.0	43.6	54.2	0.8	2.1	.335	.284	94	84	NE	3	S	3	10.0	3	.02	—	41	☉ a. Fine from noon.
6	30.08	30.02	53.7	51.7	38.1	59.4	4.1	3.9	.330	.315	74	81	SW	3	SW	2	7	2	—	6.2	32	Bright day.
7	29.99	29.95	60.7	56.7	51.7	64.9	5.7	2.1	.361	.399	68	86	SW	4	SW	4	3	4	—	10.6	46	Very pleasant day.
8	.83	.70	62.4	56.7	52.9	65.4	4.1	3.9	.430	.351	76	86	SW	3	Caln	0	4	0	—	4.2	49	Pleasant day.
9	.51	.42	57.9	56.8	45.6	64.4	3.5	3.2	.377	.369	78	80	SW	2	SW	2	3	2	.13	3.0	37	Fine a., then ☉ showers.
10	.33	.49	55.7	51.7	49.6	59.4	2.7	3.5	.366	.295	82	77	SW	5	SW	3	0	3	.10	2.8	46	Bright and windy a., then
11	.64	.61	52.2	51.0	43.6	57.9	6.5	4.1	.238	.273	61	73	NW	4	N	2	7	3	—	7.7	38	Dull a. Fine p. [showers]
12	.62	.65	52.0	50.9	43.2	59.9	4.4	4.0	.278	.274	72	73	NW	3	W	1	8	3	—	6.2	40	Dull a. Fine p.
13	29.77	29.97	48.9	46.9	40.6	60.2	3.1	2.0	.272	.274	78	85	W	1	NW	2	0	9	—	6.8	38	Bright day.
14	30.04	30.09	55.9	55.4	36.8	58.6	5.3	5.6	.306	.294	68	67	W	3	SW	2	0	3	—	3.2	34	Pleasant day.
15	30.02	29.90	57.7	58.0	54.6	62.8	4.9	2.6	.340	.404	71	84	SW	3	W	3	9	0	—	3.9	48	Dull a. Bright afternoon.
16	29.73	.80	55.2	51.7	47.6	63.4	2.4	2.3	.367	.324	84	84	SE	2	SW	1	10	8	.12	4.4	42	Dull a. ☉ 3p.-3.15p., then fine
17	.96	.87	50.7	57.5	43.6	60.1	1.3	3.0	.336	.384	91	82	W	2	W	4	3	10	.04	1.2	36	Fine a., then ☉ showers.
18	.86	.84	62.0	56.7	56.7	69.4	3.9	2.2	.428	.396	77	86	SW	1	W	1	3	0	—	7.9	49	Very pleasant day.
19	.80	.82	59.7	56.5	50.7	63.4	3.9	3.3	.394	.362	70	80	S	1	S	1	9	3	.07	0.1	44	Dull a. ☉ showers.
20	.86	.88	60.2	58.7	56.5	67.4	2.4	0.9	.444	.405	85	93	S	1	SE	1	0	10	.07	1.5	51	Dull a. Pleasant day.
21	.72	.78	63.0	60.7	58.7	68.0	1.5	0.2	.522	.524	90	99	S	1	Caln	0	10	10	.10	—	53	Dull and stormy.
22	.89	.81	55.2	58.1	54.3	65.1	1.8	1.5	.385	.436	88	90	W	2	S	1	10	0	—	7.1	51	Dull a. Very pleasant.
23	.75	.66	53.5	55.1	45.5	58.1	3.3	2.9	.323	.353	78	81	SW	1	SE	2	10	8	.04	—	38	Dull day.
24	.64	.66	57.7	55.7	45.5	60.9	3.2	1.0	.382	.415	81	93	SE	3	S	1	7	10	.08	—	43	Dull damp day.
25	.71	.74	56.7	58.2	54.3	59.4	0.3	2.6	.451	.407	98	84	W	2	SW	1	10	10	—	—	53	Dull day.
26	.74	.62	56.7	53.3	53.3	60.2	0.8	1.6	.412	.334	89	84	SW	1	SW	4	10	10	.34	4.6	50	Dull a. Pleasant day.
27	.67	.72	56.7	51.5	51.1	60.7	2.8	1.9	.378	.331	82	87	SW	3	SE	2	0	0	.05	2.3	46	Pleasant day.
28	.74	.71	56.5	55.7	47.5	60.2	3.7	0.9	.353	.416	77	93	S	2	SE	4	9	4	—	0.2	41	Mild and dry.
29	.77	.82	61.7	61.7	55.5	68.4	1.8	2.2	.487	.475	89	86	SW	1	S	2	9	3	—	1.8	55	Dull a. Warm and pleasant.
30	29.95	29.98	65.1	64.5	60.8	72.6	3.6	3.5	.491	.483	80	80	S	4	SE	1	7	3	—	9.1	56	Very pleasant day.
31	30.00	29.97	69.7	67.2	60.8	77.5	4.0	3.4	.568	.539	78	81	SE	2	S	3	0	0	—	10.5	54	Very pleasant day.
M.	29.751	29.772	57.0	55.2	49.3	62.6	3.3	2.5	.376	.370	79.6	83.5	2.5	2.0	6.6	4.5	1.48	116	44.2			

WOOLACOMBE, DEVONSHIRE, a.—SEPTEMBER 1908.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +.016 in.

1	29°20	29°69	56°7	58°7	53°0	59°8	3°0	2°0	373	431	81	87	NW	6	NW	4	10	0	'11	1°8	—
2	79	'92	57°3	52°7	52°4	60°4	2°6	4°0	394	496	84	74	NW	4	Calm	0	7	0	'02	7°8	—
3	73	29°57	53°7	59°7	46°0	60°8	3°0	0°9	333	482	80	93	SE	4	W	3	9	100°	'09	—	
4	29°72	30°07	52°3	53°7	51°2	60°0	0°9	4°0	307	308	93	75	NE	3	NE	2	100°	0	0°5	—	
5	30°22	'17	55°7	57°1	46°0	59°8	4°0	2°0	334	407	75	87	SW	1	SW	4	5	6	9°0	—	
6	30°17	30°09	59°3	57°9	57°0	61°6	2°6	1°6	424	431	84	89	W	3	W	2	4	5	3°1	—	
7	29°97	29°82	59°3	55°1	53°0	65°2	2°3	1°4	431	394	85	90	SE	3	S	1	9	6	6°0	—	
8	58	'54	58°3	50°5	48°8	63°0	2°0	3°8	425	351	87	76	S	3	SW	5	9	0	'18	3°3	
9	52	'67	56°5	54°7	52°2	57°4	3°8	3°4	351	335	76	78	W	5	W	4	9	6	'12	1°5	
10	78	'77	53°7	53°7	51°0	57°0	4°8	3°0	290	333	70	80	NW	4	NW	3	3	6	0°0	5°0	
11	75	29°76	53°7	50°7	50°0	56°6	3°8	3°4	313	286	76	77	NW	2	NE	1	5	0	'09	5°2	
12	29°93	30°06	54°5	53°1	48°0	58°2	4°6	4°8	305	283	71	70	NW	1	N	2	3	1	—	9°6	
13	51	'16	57°1	56°9	50°0	60°0	5°0	4°0	329	351	71	75	SW	2	W	3	2	9	—	7°7	
14	30°12	30°02	56°9	52°7	52°6	62°0	4°0	1°8	351	449	75	88	SW	2	NE	2	9	1	'02	7°2	
15	29°86	29°97	56°5	55°7	51°6	61°0	1°0	3°0	427	360	93	81	SW	2	NW	2	100°	1	'01	6°8	
16	30°07	'99	57°1	58°9	51°0	60°0	3°4	1°5	369	449	80	89	SW	3	SW	3	9	10	0°5	—	
17	29°96	'89	61°7	57°9	57°2	67°0	2°7	2°2	461	413	83	86	SW	2	NE	4	8	—	6°7	—	
18	'82	'82	60°7	59°5	54°6	66°6	1°1	1°7	492	454	93	89	SE	2	NE	3	9	2	1°0	—	
19	'90	'91	62°9	60°5	56°0	70°8	2°1	1°5	500	477	87	90	S	2	E	3	1	1	'14	6°5	
20	78	'91	62°9	57°1	57°0	63°8	1°1	1°6	533	419	93	89	S	2	SW	2	9	9	—	—	
21	'97	'92	58°7	55°5	55°0	61°8	3°4	1°0	391	410	80	93	S	2	SE	3	1	9	'10	7°1	
22	77	'68	57°3	56°9	55°0	60°0	2°4	1°2	399	427	85	92	E	2	NE	1	9	10	'13	2°5	
23	'69	'77	57°7	57°7	55°6	61°0	1°0	1°0	446	446	93	93	S	1	Calm	0	100°	10	'08	—	
24	'84	'87	58°5	57°7	57°0	62°0	1°1	1°0	456	446	92	93	N	1	NW	1	10	10	—	2°5	
25	'82	'65	55°7	56°7	54°6	62°0	1°8	1°0	391	430	88	93	S	2	SE	4	9	10	'28	4°2	
26	77	'85	57°1	57°3	55°6	61°0	3°4	2°4	367	399	80	85	W	4	SW	3	4	8	'01	4°3	
27	77	'77	58°9	59°3	52°8	62°4	1°1	0°7	462	482	92	95	SE	4	Calm	0	80°	100°	'03	2°4	
28	29°85	29°93	63°9	63°1	58°6	68°6	0°9	1°7	560	516	94	89	S	2	SE	3	9	9	—	—	
29	30°01	30°01	66°7	62°9	60°0	75°6	0°9	0°9	546	541	83	94	S	3	E	4	1	0	—	9°2	
30	30°03	30°03	68°7	63°9	61°4	79°0	3°9	2°1	552	518	78	87	S	3	E	3	1	0	—	10°5	
M.	29°850	29°874	58°3	57°1	53°5	62°8	2°7	2°2	412	407	83	86		2°7		2°5	6°7	5°3	1°47	136	—

† Beaufort Scale (0-12).



SOUTHAMPTON, HAMPSHIRE, a.—SEPTEMBER 1908.

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 Station Level.		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.	Min.	Max.	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.	57.0	54.5	51.6	61.7	2.9	1.3	in.	in.	%	%			SW	8	W	2	100	0	ins.	hrs.	46	☉ showers. ☉ p.
2	'81	'90	59.6	51.5	49.0	63.7	4.2	2.2	'380	'387	82	91	SW	3	NW	2	5	0	003	8.9	41	☉ a. and p. Fine.		
3	'29	'61	52.2	58.5	49.0	59.5	2.9	0.1	'316	'487	81	99	NW	1	SW	2	10	10	450	1	31	☉ a. ☉ 11a.-6p.		
4	29.67	30.04	54.0	49.2	49.0	59.9	0.9	1.3	'391	'318	94	91	NE	3	NE	2	10	0	070	1	44	Dull. ☉ p.		
5	30.23	'21	51.9	53.0	40.2	62.9	2.4	1.0	'324	'374	85	93	NW	1	NW	1	1	1	—	8.4	34	☉ a. and p. Fine.		
6	'18	30.13	60.0	54.1	48.1	66.0	4.7	0.6	'377	'402	73	96	SW	2	SW	1	1	2	005	4.8	40	☉ a. and p. Fine.		
7	30.04	29.87	60.0	55.0	47.9	67.0	4.0	0.7	'395	'412	76	95	SW	2	SW	2	2	1	005	10.7	40	☉ early a. Fine and bright.		
8	29.71	'65	55.4	55.0	48.4	66.0	0.2	2.0	'433	'375	98	87	SW	1	SW	3	10	4	'120	1.8	40	☉ early a. ☉ 3p.-5p.		
9	'62	'69	58.9	52.0	51.9	62.4	5.7	2.9	'336	'313	67	81	SW	6	SW	4	2	3	—	9.3	48	Fine.		
10	'79	'78	54.8	47.3	43.5	60.5	5.0	2.3	'300	'271	70	84	NW	3	NW	3	1	0	—	10.9	34	Fine and bright p.		
11	'75	29.77	55.1	48.2	45.1	60.0	4.5	1.9	'315	'290	72	87	NW	2	NE	3	1	1	—	6.9	38	☉ a. and p. Fine. T 5p.		
12	29.92	30.08	52.6	48.0	43.5	61.0	3.9	1.0	'297	'309	75	93	NW	2	NW	2	1	0	—	8.6	39	☉ a. Fine.		
13	30.19	'22	53.5	50.1	39.4	60.1	3.4	1.2	'319	'331	78	91	NW	1	SW	2	1	00	1	—	3.9	30	☉ a. Fine.	
14	30.21	30.08	58.0	50.9	45.8	63.0	4.9	0.6	'345	'357	72	96	SW	1	SW	2	2	0	—	8.0	35	☉ a. and p. Fine.		
15	29.92	29.95	52.5	50.0	42.9	60.3	0.4	1.0	'384	'334	97	93	SW	2	SW	1	10	0	070	1.5	33	☉ early a. ☉ mid-day.		
16	30.16	30.08	56.9	56.6	43.6	61.9	5.2	1.7	'321	'403	69	88	SW	1	NW	4	2	0	005	4.1	34	Fine a. Dull afternoon.		
17	30.06	30.00	61.0	54.2	54.2	65.5	3.8	0.6	'416	'403	78	96	SW	3	SW	1	2	0	000	—	10.2	46	☉ a. and p. Fine and bright.	
18	29.91	29.90	62.9	58.1	49.9	65.4	3.7	0.8	'450	'458	78	94	SE	4	SE	1	8	0	100	1.4	43	☉ p.		
19	30.02	'99	62.0	60.9	56.4	66.9	3.1	0.6	'528	'515	82	97	SE	2	SW	1	5	10	'120	0.3	49	☉ 11a.-3p.		
20	29.86	29.94	66.1	60.9	56.4	66.9	1.4	0.9	'507	'470	92	95	SE	1	SW	1	10	000	—	5.7	49	☉ a. and p. Fine and bright.		
21	30.01	30.01	55.0	51.8	51.3	66.2	1.4	1.3	'392	'351	91	91	SE	1	SW	1	5	0	—	8.0	42	Dull, with ☉.		
22	29.89	29.79	53.2	55.1	46.4	58.2	1.8	0.3	'355	'426	88	98	NE	2	SE	3	10	10	'080	0.1	53	Dull. ☉ 6p.-9p.		
23	'74	'77	57.6	57.7	54.9	63.5	1.9	0.7	'418	'455	87	95	SE	2	NE	2	10	10	—	0.2	50	Dull.		
24	'83	'87	57.1	55.0	54.8	62.0	1.8	0.4	'413	'421	88	97	NE	1	NE	1	10	000	—	0.1	50	Dull.		
25	'88	'81	53.5	55.3	52.7	62.7	0.2	1.4	'405	'397	98	90	NW	1	SW	2	10	5	'260	0.8	46	Dull.		
26	'85	'90	59.9	54.5	49.8	64.8	4.8	1.2	'373	'390	72	92	SW	1	SW	1	1	5	005	7.9	40	☉ shower 5p.		
27	'90	29.84	57.3	58.2	50.8	58.5	1.3	0.1	'430	'483	91	100	SW	2	SE	2	10	100	'140	0.1	45	☉ from 9a.		
28	29.94	30.06	61.9	62.0	56.7	65.0	0.6	0.6	'533	'534	97	96	SW	2	SW	2	10	9	'005	—	56	Dull and close. ☉ 1p.		
29	30.11	'14	63.9	60.9	59.0	69.0	1.3	0.3	'548	'524	93	99	SE	4	SE	2	8	10	005	2.9	54	Fine. ☉ n.		
30	30.16	30.13	67.0	61.3	57.8	73.9	2.0	1.1	'585	'505	88	93	SE	1	SE	1	000	0	—	10.2	52	☉ a. and p. ☉. Very fine and [warm.]		
M.	29.915	29.928	57.7	54.6	49.3	63.6	2.8	1.1	'399	'401	83	93					5.7	3.1	1.743	140	42.4			

PLYMOUTH, DEVONSHIRE, a.—SEPTEMBER 1908.

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°31'	29°71'	56°0'	59°0'	53°8'	62°1'	3°1'	5°6'	363	340	80	68	W	32	W	15	100	0	'04	2'5	48	● showers.
2	'81	'91	59°0'	54°0'	53°1'	63°0'	4°8'	2°8'	359	339	72	81	W	13	—	3	7	0	'08	6'9	49	Fine.
3	'74	29°60'	55°0'	58°3'	48°8'	60°7'	0°7'	0°2'	412	481	95	99	SE	22	SW	14	100	6	'19	—	46	Dull, with ●.
4	29°65'	30°05'	58°1'	50°0'	49°9'	58°3'	1°8'	0°2'	429	356	88	99	NW	4	N	6	100	0	'01	1'9	47	Dull, then fine.
5	30°20'	'21	56°0'	54°8'	48°9'	61°1'	0°6'	1°8'	431	378	96	88	—	2	WSW	6	2	7	—	9'4	35	Very fine, but cool.
6	30°18'	30°11'	59°9'	55°0'	52°8'	62°8'	3°7'	1°7'	402	383	78	89	WSW	14	SW	4	9	2	—	8'6	41	Fine and sunny.
7	29°97'	29°82'	59°0'	53°0'	50°0'	65°1'	3°9'	1°1'	383	371	77	92	S	5	—	1	7	0	—	9'3	41	Fine and sunny.
8	'64	'62	58°8'	59°7'	45°7'	60°9'	2°1'	6°5'	431	329	87	64	S	18	SW	25	10	6	'13	3'8	42	● showers. Sunny intervals.
9	'63	'74	59°0'	56°3'	53°9'	61°7'	6°8'	4°8'	312	325	62	71	W	27	NW	12	7	8	'04	7'6	53	● showers.
10	'78	'80	53°4'	49°0'	45°3'	59°0'	4°4'	2°8'	295	280	72	80	W	4	NW	6	8	8	'00	9'9	45	● showers.
11	'77	'77	59°0'	50°7'	47°0'	56°8'	2°0'	2°6'	309	260	86	71	NW	5	NW	9	100	7	'04	4'5	46	Fair.
12	29°90'	30°07'	53°9'	47°9'	42°5'	60°1'	0°2'	2°7'	411	269	99	81	NW	4	—	3	2	2	—	10°3	40	Fine and sunny.
13	30°15'	'18	59°0'	56°1'	39°2'	60°2'	6°0'	5°4'	304	309	66	69	—	2	SW	7	4	7	—	8°2	40	Fine and sunny.
14	30°15'	30°03'	57°0'	55°1'	53°2'	60°0'	2°3'	2°0'	397	377	85	87	S	14	S	11	9	7	'08	7°0	47	Fine and sunny.
15	29°87'	29°98'	50°1'	58°7'	54°8'	62°8'	0°1'	7°3'	448	298	99	60	SW	15	NW	7	100	0	'03	6'6	48	Dull a.
16	30°09'	30°03'	57°2'	59°0'	48°8'	60°3'	3°2'	1°7'	375	445	80	90	SW	14	SSW	18	8	10	—	1°5	40	Fine, but dull.
17	29°98'	29°92'	58°2'	60°7'	56°8'	62°1'	1°2'	2°4'	448	452	92	85	S	16	NE	7	8	7	'01	3'9	48	Fine.
18	'82	'83	60°0'	59°9'	55°3'	62°3'	1°5'	0°6'	469	406	91	97	SE	8	S	10	100	10	'13	—	51	Dull, with ●.
19	'91	'88	59°7'	62°0'	50°9'	65°0'	0°2'	2°1'	506	484	99	87	SE	10	E	12	100	8	'49	1'0	57	≡ a.
20	'85	'93	61°1'	53°0'	52°8'	62°0'	0°1'	1°1'	535	371	99	92	E	4	NW	6	100	0	—	—	49	≡. Fine evening.
21	'95	'90	59°0'	57°1'	45°7'	61°7'	2°2'	1°4'	430	424	87	90	—	3	SE	16	6	100	'28	6'3	40	≡. Fine a.
22	'76	'67	55°0'	55°7'	53°1'	57°0'	3°1'	1°5'	347	401	80	90	ESE	23	S	8	100	10	'27	—	52	Overcast, with ●.
23	'67	'75	56°4'	50°0'	54°2'	61°8'	0°3'	1°1'	447	416	98	92	N	4	NW	4	100	7	'02	—	49	Dull, with ≡●.
24	'82	'87	59°0'	55°7'	55°1'	63°1'	2°1'	1°5'	433	401	87	90	NW	8	NW	5	9	8	—	2°0	50	Fine.
25	'85	'66	56°0'	57°2'	53°8'	59°2'	3°1'	1°9'	363	412	80	88	W	8	S	34	7	100	'31	1'5	47	Fine. ● in evening.
26	'82	'87	59°0'	55°7'	55°3'	62°9'	3°9'	2°6'	383	371	77	84	WSW	10	SW	8	4	0	'10	8'5	49	Fine and sunny.
27	'79	'79	56°1'	57°5'	55°0'	60°0'	0°2'	0°3'	445	464	98	97	S	14	SW	5	100	10	'27	—	50	Dull, with ●.
28	'88	29°96'	59°2'	59°0'	56°2'	60°7'	0°1'	0°2'	501	493	99	99	SE	9	SSW	11	10	10	'12	—	57	Dull and overcast.
29	29°98'	30°03'	65°2'	61°2'	52°2'	76°0'	2°2'	0°5'	541	524	87	97	SE	18	E	11	3	0	—	10°3	56	Very fine and sunny.
30	30°06'	30°01'	69°2'	59°9'	60°2'	73°7'	3°8'	1°2'	563	477	79	93	SE	5	SE	4	1	0	—	10°4	53	Very fine, sunny, and warm.
M.	29°86'	29°88'	57°9'	56°2'	51°8'	62°1'	2°3'	2°3'	416	391	86	86	—	11	—	10	7°7	5°7	3°24	142	47°2	

\* Miles per hour.

† Beaufort Scale (0—12).

ARMAGH, a.—SEPTEMBER 1908.

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.		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.	Min.	Max.	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.																				
2	29.12	29.53	55.6	48.4	42.7	62.2	3.6	1.4	in.	in.	%	%	*	*					ins.			
3	.67	.78	55.0	42.8	42.8	60.0	4.2	2.0	.320	.233	74	85	—	3	—	0	10	9	.055	5.7	35	
4	.71	.66	45.7	47.4	39.3	52.0	0.5	0.4	.295	.317	97	96	—	2	—	0	2	0	—	9.1	36	
5	.85	.99	53.4	45.0	43.8	59.9	2.4	2.2	.342	.249	84	84	—	0	—	3	10	10	.140	—	33	
6	.93	.81	51.1	55.5	40.0	57.2	3.4	2.8	.291	.362	77	82	SSW	5	SW	10	10	10	—	5.7	37	
7	.80	.72	58.0	59.0	45.5	63.7	3.3	2.9	.385	.410	80	83	SW	10	SW	6	10	10	.030	1.3	54	
8	.51	29.41	62.0	58.0	57.0	63.0	2.4	2.8	.475	.399	86	82	SW	10	S	6	10	10	.355	—	56	
9	.23	28.94	58.5	52.4	52.4	64.8	1.0	2.6	.459	.326	94	83	SSE	8	S	4	10	10	.110	1.9	50	
10	.12	29.51	52.0	43.6	43.6	54.0	0.6	2.6	.372	.228	96	80	—	1	—	2	10	5	.030	2.8	41	
11	.57	.67	51.0	46.7	39.2	50.0	2.4	2.2	.313	.268	84	85	—	2	—	3	10	9	.080	3.5	35	
12	.67	.74	49.2	41.2	41.0	57.1	3.2	1.5	.274	.227	78	89	—	2	—	1	2	2	.015	5.4	35	
13	.82	.91	51.6	47.6	37.8	57.2	1.9	2.9	.333	.262	87	80	—	1	—	2	10	10	—	1.1	32	
14	.89	.83	51.2	55.6	46.2	59.0	2.4	2.6	.316	.369	84	83	SW	5	S	7	10	10	.020	0.2	39	
15	.74	.66	57.5	50.7	47.9	61.0	0.9	1.0	.446	.345	94	93	SSW	6	—	3	10	10	.120	—	53	
16	.65	.82	51.8	45.7	45.7	59.1	1.1	1.6	.356	.270	92	99	—	2	—	2	10	0	.282	4.4	39	
17	.63	.50	49.6	60.5	49.9	62.0	1.2	0.9	.324	.497	92	95	S	11	S	10	10	10	.398	—	38	
18	.48	.55	64.6	58.8	57.0	65.3	4.0	0.6	.472	.477	78	96	S	10	S	6	8	10	.250	1.9	56	
19	.60	.55	57.1	55.0	55.0	65.7	1.3	0.8	.427	.409	91	94	—	3	S	9	10	0	.087	5.4	54	
20	.78	.76	55.0	55.5	52.1	62.8	0.4	0.5	.421	.426	97	96	—	3	SSE	7	10	10	.820	0.5	52	
21	.68	.76	57.6	54.2	54.2	60.0	0.2	0.2	.470	.415	99	99	—	2	—	2	10	10	.153	—	54	
22	.78	.77	54.3	49.3	49.3	56.0	0.2	0.4	.417	.341	99	97	—	2	—	2	10	0	.620	—	47	
23	.70	.61	54.6	52.2	44.2	60.9	1.0	1.8	.3													
24	.62	.74	54.0	53.0	45.2	61.0	0.6	0.9	.400	.377	96	94	—	2	—	0	10	9	—	—	40	
25	.79	.73	51.4	50.0	50.0	62.0	0.9	0.8	.356	.339	94	94	—	1	—	1	10	2	—	0.7	42	
26	.58	.30	53.0	53.2	47.3	58.1	1.7	1.4	.355	.366	88	91	SSE	12	S	10	10	10	.183	2.5	38	
27	.46	.61	53.6	48.0	48.0	62.0	3.0	2.1	.330	.283	80	85	SW	6	SW	4	8	0	.315	3.2	46	
28	.60	.59	59.6	54.6	46.5	60.0	6.0	2.1	.301	.367	66	87	SE	7	SE	7	0	10	—	4.3	43	
29	.48	.57	59.6	60.5	60.4	69.0	1.6	1.0	.459	.494	90	94	S	9	S	12	3	10	.167	1.7	52	
30	.60	.69	60.7	62.4	60.0	64.8	2.1	2.7	.462	.473	88	84	S	13	S	5	10	10	.053	0.1	57	
30	29.74	29.80	64.5	59.6	59.6	71.0	2.9	2.4	.505	.434	84	85	S	8	S	7	0	8	—	6.4	59	
M.	29.623	29.648	55.0	52.2	48.1	60.9	2.0	1.7	.381	.354	87	89		5		5	8.1	7.0	4.283	70	44.1	

MARKREE CASTLE, SLIGO, a.b.—SEPTEMBER 1908.

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

1	29°35	29°66	56°0	50°8	44°4	59°5	4°5	0°8	329	351	73	94	N	3	SE	2	7	10°	°61	44	Fine day.		
2	°80	°87	52°0	42°0	41°0	56°9	4°2	0°5	°283	°256	73	96	N	3	Caln	0	4	2	10°2	32	Fine cool day.		
3	75	77	47°7	48°0	37°9	51°4	1°7	1°5	°289	°297	88	90	Caln	0	NE	3	10°	°02	—	30	°° showers. Cool.		
4	29°98	30°10	52°5	48°5	37°3	56°8	4°5	0°6	°282	°326	71	95	N	3	Caln	0	8	3	—	29	Fine cool day.		
5	30°01	29°93	54°0	57°0	37°5	58°5	3°7	2°0	°317	°405	76	87	S	3	S	3	10	°10	°04	32	Gloomy day.		
6	29°91	°75	59°0	59°0	55°9	64°2	3°0	1°0	°407	°467	82	94	WNW	3	S	3	9	10	°27	21	°° all day.		
7	°56	°44	60°0	57°5	56°9	61°0	1°0	0°5	°485	°458	94	96	SW	4	SW	3	10°	10°	°54	—	54	Gloomy a. ☐. °° most of day	
8	°28	°03	57°0	54°0	52°0	64°0	0°5	0°0	°450	°418	97	100	Caln	0	NW	3	10°	2°00	°29	42	°° showers. Cool.		
9	°37	°68	48°8	46°8	44°9	55°9	1°0	4°0	°321	°231	93	73	NW	4	NW	3	10°	°7	°29	42	°° showers. Bright intervals.		
10	°74	°82	49°0	47°5	44°0	55°0	0°5	1°0	°335	°304	97	93	NW	4	N	3	10	10°	°23	5°0	34	°° showers a. Fine p.	
11	°81	°88	49°0	42°4	38°8	55°7	2°0	0°4	°282	°262	86	97	Caln	0	Caln	0	9	7	°03	5°5	35	Cloudy day.	
12	°93	°99	50°5	48°3	37°7	55°3	3°5	1°3	°281	°306	77	91	NNW	2	Caln	0	9	10	—	0°7	29	Overcast day.	
13	°96	°87	56°0	57°3	45°8	60°7	2°5	2°3	°378	°401	84	85	SW	3	SE	4	9	10	°23	0°6	40	°° all day.	
14	°79	°73	58°8	48°5	47°8	60°0	0°8	0°5	°470	°328	95	96	SW	3	Caln	0	10°	10	°40	—	37	°° a. Fine p.	
15	°78	°91	50°9	44°5	43°5	58°0	0°9	1°0	°349	°271	94	92	NW	1	Caln	0	10°	10	°08	6°7	33	°° all day.	
16	°63	°54	52°5	61°0	43°0	61°6	1°0	1°6	°368	°483	93	90	S	4	S	6	10°	10	°53	—	40	°° a. °° showers p. Mild.	
17	°59	°60	59°0	57°0	54°4	61°0	3°0	0°7	°407	°443	82	95	SE	3	S	1	10	10	°02	0°8	43	Gloomy a. Fine p.	
18	°65	°58	59°0	55°5	50°2	66°3	3°0	2°7	°407	°365	82	83	SE	2	SSE	2	10	3	°01	7°5	42	Cloudy day. ° n.	
19	°78	°81	56°5	53°8	50°0	64°0	3°5	0°8	°358	°391	78	94	SW	1	Caln	0	9	1	°10	5°3	37	Gloomy a. Bright p.	
20	°79	°87	53°0	48°5	47°3	59°3	0°5	1°5	°389	°303	97	89	NW	2	Caln	0	10°	0	°09	0°5	36	°° most of day. Cool.	
21	°89	°82	53°0	48°5	42°6	59°9	0°5	0°5	°389	°328	97	96	SSE	4	SE	2	10	10	°02	0°8	33	Gloomy day. Mild.	
22	°71	°66	55°8	54°8	40°8	60°3	0°8	2°8	°422	°351	94	82	Caln	0	Caln	0	10	0	—	—	36	Gloomy day.	
23	°71	°86	55°3	47°5	45°3	55°3	1°8	0°7	°386	°311	88	95	E	1	SE	1	0	7	—	77	29	≡ a. Fine day.	
24	°90	°79	50°5	50°0	33°0	62°8	1°5	1°0	°328	°334	89	93	S	5	SW	1	10	10	°31	0°3	44	°° showers.	
25	°52	°32	55°5	49°9	47°7	58°9	3°2	1°4	°352	°323	80	91	S	1	Caln	0	10	10	°04	1°5	41	Cloudy day.	
26	°57	°71	52°0	47°9	46°0	58°8	1°0	0°9	°361	°310	93	94	SE	4	S	4	5	—	3°0	39	Gloomy a. ° p. Mild.		
27	°63	°62	55°0	57°0	45°0	59°8	3°0	1°0	°349	°343	81	93	S	3	SE	4	10	10	°23	—	42	Gloomy a. ° showers p.	
28	°54	°37	60°8	62°3	50°2	63°3	0°9	1°3	°503	°516	94	92	S	6	SE	3	10	10°	°75	—	58	°° showers.	
29	°55	°68	64°5	62°0	60°3	65°5	2°7	1°0	°511	°520	85	94	S	4	SE	4	10	10	°15	0°2	59	☐. °° showers p.	
30	29°78	29°80	65°0	61°0	60°4	66°9	2°0	1°0	°544	°503	88	94	S	4	SE	4	10						
M.	29°708	29°721	55°0	52°3	46°1	59°9	2°1	1°2	378	367	87	92		2°6		1°8	8°9	8°0	7°37	78	397		

\* Miles per hour.

† Beaufort Scale (0—12).



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—SEPTEMBER 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	°			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.	9 p.m.	
1	ins.	ins.	53.6	51.4	46.9	62.3	1.2	0.7	in.	in.	%	%	WNW	10	—	3	9	4	ins.	hrs.	°		
2	29.18	29.62	53.6	51.4	46.9	62.3	1.2	0.7	37.8	36.1	92	95	WNW	10	—	3	9	4	.022	8.5	43	Fine day.	
3	29.73	29.85	51.6	41.2	40.9	59.2	2.0	0.1	33.0	25.7	86	99	W	5	—	0	7	1	—	7.7	34	Fine day.	
4	29.63	29.63	52.4	49.6	36.2	53.3	1.9	0.6	34.3	34.0	88	96	E	5	NE	8	10	10	.214	—	32	Overcast day.	
5	29.89	30.05	52.0	44.0	43.7	50.3	0.6	0.0	37.2	28.8	96	100	NE	9	—	0	5	7	—	8.0	38	Fine day.	
6	29.96	29.96	49.2	55.5	43.4	59.0	0.9	3.1	32.7	35.4	94	80	SW	5	SW	11	10	9	—	0.6	38	Cloudy day.	
7	29.68	29.84	59.9	60.3	54.0	66.2	4.0	2.2	39.4	45.2	76	87	SW	14	WSW	8	8	9	—	7.0	51	Fine day.	
8	32	32	62.7	57.9	57.7	67.1	3.1	2.9	46.6	39.4	82	82	SSW	13	SSW	15	8	10	.345	2.5	56	Cloudy day.	
9	32	32	58.7	52.6	51.0	64.5	1.6	0.6	44.3	38.0	90	96	SE	5	SW	12	100	100	.575	2.0	49	Cloudy day.	
10	32	32	52.6	45.0	44.9	53.8	1.0	2.1	36.9	25.1	93	84	W	6	W	5	100	8	.080	1.9	40	Cloudy day.	
11	32	32	49.9	40.4	38.6	56.1	3.3	0.6	27.9	27.5	78	88	WSW	9	—	2	8	5	.025	6.8	35	Cloudy day.	
12	32	32	51.2	42.5	41.1	56.1	3.3	0.6	29.5	25.9	78	95	NW	6	—	1	4	8	.050	7.6	34	Fine day.	
13	32	32	49.9	43.2	41.1	56.1	3.3	0.6	27.8	26.6	88	95	W	4	—	0	6	9	—	3.5	30	Cloudy day.	
14	32	32	54.6	56.0	42.1	61.2	3.8	2.4	32.7	38.1	77	85	SW	9	SSW	9	6	10	.026	2.3	36	Cloudy day.	
15	32	32	57.4	55.9	55.2	60.1	0.9	0.3	44.5	43.8	95	98	SW	12	SW	8	100	10	.125	—	52	Overcast day.	
16	32	32	52.6	62.2	41.9	63.0	0.3	0.5	38.9	54.2	98	97	S	6	—	3	8	1	.175	4.8	36	Cloudy day.	
17	32	32	64.0	61.1	58.1	65.4	1.5	2.0	34.3	47.2	91	88	SSW	11	SSW	16	100	100	.225	—	36	Overcast day.	
18	32	32	58.8	58.6	57.1	62.9	0.6	1.3	47.7	45.1	96	92	—	20	ENE	5	10	3	.430	4.2	58	Cloudy day.	
19	32	32	59.3	57.2	44.1	66.3	0.3	0.5	39.1	45.3	77	97	E	5	SE	6	7	10	.060	1.0	55	Cloudy day.	
20	32	32	57.7	54.3	54.1	60.0	0.3	0.5	46.8	40.8	98	97	E	5	WSW	4	10	10	.380	3.5	40	Cloudy day.	
21	32	32	52.6	44.7	42.7	58.8	0.7	0.1	37.7	29.4	95	99	WSW	5	—	2	10	2	.065	—	54	Overcast day.	
22	32	32	55.3	57.4	43.9	59.6	0.6	1.6	42.0	42.3	96	90	ESE	5	—	3	7	10	.175	2.4	35	Cloudy day.	
23	32	32	56.7	56.3	48.4	59.7	0.4	0.5	44.8	43.9	97	97	E	4	—	2	10	10	.065	2.5	36	Cloudy day.	
24	32	32	51.3	43.7	43.4	61.1	0.5	0.1	40.3	40.7	93	99	E	4	—	3	7	10	—	—	42	Cloudy day.	
25	32	32	55.0	53.4	35.9	58.8	1.0	0.1	40.3	40.7	93	99	ESE	5	S	9	8	9	.070	2.3	34	Cloudy day.	
26	32	32	54.6	50.2	48.1	60.3	0.4	0.4	41.5	35.4	97	98	SW	10	—	3	7	8	.012	7.0	41	Fine day.	
27	32	32	54.6	56.5	42.1	60.8	0.4	0.5	41.5	44.1	97	96	—	3	E	6	9	10	.008	1.5	36	Cloudy day.	
28	32	32	64.7	63.7	55.2	69.0	2.7	2.2	51.4	51.3	84	87	SSW	8	S	10	7	10	.014	2.5	52	Cloudy day.	
29	32	32	66.5	62.0	59.4	69.5	5.0	2.0	47.4	48.7	73	88	S	10	SSW	10	8	10	—	8.3	56	Fine day.	
30	29.86	29.89	66.5	55.1	71.2	3.2	0.2	53.3	44.3	82	99	SSW	12	—	2	4	0	—	—	6.5	49	Fine day.	
M.	29.711	29.738	55.9	52.9	46.8	61.2	1.7	1.0	40.2	38.1	89	93	7	6	8.0	7.8	3.076	109	42.3				

## BIRR CASTLE, KING'S COUNTY, a.b.—SEPTEMBER 1908.

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	29.25	29.61	57.4	52.9	46.3	61.7	1.2	1.0	435	372	92	93	WNW	6	WNW	2	8	10	002	6.8	—	Cloudy and squally.	
2	29.73	29.80	53.7	46.3	45.8	58.7	1.7	0.9	304	293	88	94	NW	2	SE	1	8	10	122	6.8	—	Cloudy and squally.	
3	29.62	29.59	51.1	49.5	42.6	51.6	0.6	1.8	360	309	96	88	ESE	2	ENE	4	10	10	211	—	—	Overcast, with ●.	
4	29.86	30.03	53.7	44.7	44.3	57.6	2.5	0.5	343	284	83	96	NNW	3	NNW	1	1	1	—	8.1	—	Fine.	
5	30.04	29.97	52.0	56.5	38.3	59.0	2.1	1.6	333	409	85	89	SSW	2	SSW	3	10	10	—	0.4	—	Cloudy and overcast.	
6	29.94	29.80	57.9	61.7	48.8	65.0	0.6	0.8	401	523	96	95	WSW	2	W	1	10	6	—	1.9	—	Cloudy.	
7	32	32	64.0	57.7	56.7	64.9	1.1	0.5	557	461	93	96	SW	3	SSW	4	10	10	268	0.4	—	Cloudy and overcast.	
8	32	32	60.0	52.0	51.2	64.5	0.7	0.3	495	380	96	98	SW	1	W	4	10	100	587	0.8	—	showers.	
9	32	32	65.4	49.9	45.1	44.7	54.9	0.9	0.3	335	293	94	97	W	6	WNW	2	100	6	081	2.3	—	showers.
10	32	32	50.3	47.5	40.0	56.7	3.3	1.5	283	291	78	89	NW	3	NW	2	10	9	070	5.6	—	showers.	
11	32	32	51.3	42.1	41.8	54.7	2.1	1.1	324	244	85	91	NW	1	NW	2	6	6	070	4.8	—	showers.	
12	32	32	49.9	49.6	34.0	54.1	2.2	2.4	304	296	86	83	NW	2	SE	2	4	10	—	1.8	—	Cloudy.	
13	32	32	54.7	57.0	45.0	60.7	2.8	2.5	351	391	81	84	SW	1	SSW	3	9	10	124	1.3	—	Cloudy.	
14	32	32	59.0	53.7	52.4	59.0	1.6	1.2	448	379	90	92	SW	3	SW	2	10	10	548	—	—	showers.	
15	32	32	52.1	48.6	47.6	58.7	0.6	2.5	374	282	96	83	WSW	3	SW	2	10	10	262	5.9	—	showers.	
16	32	32	53.8	62.5	46.0	62.9	0.9	1.7	389	506	93	90	S	1	SW	4	100	10	270	—	—	Overcast, with ●.	
17	32	32	58.7	59.7	57.6	64.5	2.7	0.8	496	487	84	95	SW	4	SSW	4	10	100	579	1.7	—	Overcast, with ●.	
18	32	32	58.7	54.3	52.0	68.1	0.6	2.2	475	360	97	85	SSW	1	SE	1	10	8	108	8.0	—	Fine and warm.	
19	32	32	57.0	51.9	50.1	61.7	0.7	1.0	443	359	95	93	S	1	Calm	0	6	100	134	0.5	—	showers.	
20	32	32	52.6	53.9	49.1	58.7	0.7	1.7	377	367	95	88	WNW	1	WNW	2	10	10	—	0.3	—	Cloudy.	
21	32	32	52.2	47.8	47.8	60.7	0.8	1.7	369	291	95	88	Calm	0	Calm	0	8	7	185	3.9	—	showers.	
22	32	32	58.7	50.0	46.6	58.7	2.8	2.1	378	388	82	86	SE	4	SE	4	9	10	102	1.9	—	showers.	
23	32	32	55.3	54.7	54.0	58.8	0.5	0.6	423	411	97	96	SE	1	Calm	0	10	10	098	—	—	Overcast, with ●.	
24	32	32	75.7	50.9	39.8	61.7	0.5	1.1	316	346	96	93	Calm	0	S	1	100	6	—	7.4	—	Cloudy.	
25	32	32	52.8	50.7	49.1	59.0	2.8	1.6	395	329	82	89	SE	4	SE	3	9	3	178	0.2	—	Gloomy, with ●.	
26	32	32	56.7	49.6	48.1	58.0	1.6	1.5	367	317	89	90	SW	2	SW	2	9	10	004	3.7	—	Cloudy.	
27	32	32	56.8	55.8	46.8	63.0	2.1	0.7	400	425	86	95	SSE	2	SSE	1	9	10	040	0.3	—	showers.	
28	32	32	63.1	62.7	55.2	67.8	1.4	1.7	529	510	91	90	SW	4	SW	3	10	100	372	1.8	—	Squally and overcast.	
29	32	32	69.1	62.0	58.8	64.7	1.6	1.2	499	513	91	93	S	6	SE	5	10	100	003	0.9	—	Cloudy.	
30	29.76	29.79	64.7	60.3	59.1	66.2	1.9	1.2	542	483	89	93	SSE	4	S	3	10	10	—	2.2	—	Cloudy.	
M.	29.671	29.692	55.8	53.3	48.0	60.5	1.5	1.3	406	377	90	91	2.5	2.3	8.9	8.7	5.418	80	—	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—SEPTEMBER 1908.

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	32, 22	29, 20	32, 26	11	20, 12	27, 10	31, 20	30, 12	31, 26	16	17, 18	24, 21	27, 9	26, 20	24, 27	13, 22
2	30, 18	30, 19	31, 25	15	26, 11	26, 16	31, 9	28, 10	26, 16	13, 17	24, 12	27, 11	22, 7	25, 10	27, 14	1
3	30, 17	2, 10	30, 17	1, 13	32, 7	5, 6	6, 9	6, 9	6, 10	19	27, 7	—	1, 12	10, 14	8, 23	24
4	30, 13	27, 7	30, 13	13	1, 10	32, 15	32, 9	31, 7	32, 16	12	5, 26	2, 19	31, 12	31, 10	5, 29	8
5	16, 22	23, 11	16, 23	14	24, 10	23, 10	21, 18	22, 15	22, 21	23	26, 10	23, 10	22, 6	20, 7	23, 10	13, 16
6	23, 21	24, 14	23, 24	15	23, 22	23, 22	23, 18	24, 11	22, 24	24	23, 15	24, 15	24, 4	20, 5	24, 17	14, 15
7	15, 4	10, 4	7, 12	23, 24	20, 19	21, 26	21, 21	20, 12	21, 26	13-16	21, 11	21, 11	16, 5	19, 7	21, 12	12
8	6, 23	5, 26	4, 36	23	17, 10	19, 12	18, 11	17, 18	21, 18	22	20, 5	15, 11	19, 12	19, 15	19, 15	21
9	32, 36	32, 34	31, 37	15	20, 23	25, 12	20, 10	20, 10	19, 26	7	20, 21	21, 25	21, 23	22, 21	21, 25	13
10	30, 29	30, 23	31, 32	6	26, 10	28, 11	29, 10	29, 7	28, 14	12	20, 15	23, 17	23, 9	23, 8	20, 18	10
11	30, 15	30, 21	31, 22	16	32, 10	32, 12	32, 7	30, 5	32, 12	12, 13	27, 7	32, 10	30, 4	27, 6	30, 32, 10	12, 13
12	28, 17	27, 10	28, 18	11	29, 10	32, 10	—	2, 19, 7	28, 13	4	27, 12	27, 11	28, 5	27, 7	27, 12	9, 11
13	18, 7	15, 7	15, 12	22	24, 7	24, 10	23, 8	21, 8	24, 10	11, 13	24, 7	24, 7	—	3, 21, 5	24, 13	11
14	23, 15	—	25, 18	11	23, 9	20, 12	21, 18	21, 18	21, 22	19	21, 11	22, 12	—	3, 19, 8	22, 13	11
15	27, 14	26, 7	27, 15	14	24, 10	23, 9	27, 7	29, 8	20, 19	1	20, 9	21, 10	20, 7	24, 4	21, 10	10, 11
16	14, 16	13, 21	14, 21	18, 19	21, 8	18, 15	18, 17	20, 15	19, 18	16, 19	24, 8	23, 10	19, 7	20, 11	19, 21, 12	22, 24
17	15, 14	20, 15	16, 20, 23	12, 15	21, 23	20, 23	21, 15	19, 10	20, 23	9, 13	20, 9	20, 10	17, 8	17, 8	20, 10	13, 14
18	17, 5	8, 8	13, 18	23	17, 7	9, 7	15, 7	10, 6	17, 11	8	14, 10	14, 10	13, 8	14, 8	12, 14	16
19	13, 7	13, 8	13, 20	3	19, 10	20, 9	—	1	2, 19, 10	9	—	1, 14, 4	—	2	15, 9	1
20	13, 15	13, 15	12, 17	9, 11	12, 10	12, 7	12, 5	—	2, 12, 10	9, 15	10, 14	11, 13	11, 9	13, 6	10, 15	8, 10, 11
21	10, 10	10, 10	10, 14	23	27, 4	—	2	0	1, 25, 5	8	22, 5	—	2, 26, 4	26, 7	26, 7	21, 22
22	10, 15	11, 15	12, 19	21, 23, 24	32, 5	9, 5	10, 8	11, 9	10, 12	22	32, 4	26, 4	24, 4	—	32, 26, 4	8, 9; 12, 13
23	12, 15	11, 15	12, 18	10, 11	16, 7	10, 10	11, 4	—	2, 10, 13	13, 14	5, 9	10, 8	7, 12	4, 15	4, 15	21
24	11, 13	11, 12	12, 14	21, 22	5, 4	1, 7	34, 7	6, 7	7, 32	8	—	6, 7	—	2	3, 5, 10	8
25	11, 15	11, 18	12, 19	10	—	2, 8, 4	12, 11	16, 6	14, 11	18	—	2, 23, 4	—	3, 17, 5	17, 8	23
26	11, 12	10, 7	12, 15	3	18, 16	24, 10	22, 8	—	19, 17	11	19, 10	23, 9	22, 5	21, 7	22, 12	11
27	—	—	9, 9	22	24, 10	27, 6	18, 6	15, 8	24, 10	4, 9	24, 9	25, 6	—	1, 22, 5	22, 24, 9	2, 4; 9-11
28	13, 23	16, 11	13, 25	12	17, 14	18, 14	18, 10	21, 16	20, 20	23	14, 15	14, 11	15, 4	—	3, 14, 18	6, 8
29	16, 19	16, 23	16, 24	17	20, 21	20, 23	15, 10	18, 10	20, 23	13	19, 7	14, 13	17, 9	18, 13	14, 15	12
30	16, 11	22, 8	16, 14	10, 11	19, 10	20, 15	22, 7	19, 11	20, 21	11	16, 7	15, 11	15, 5	15, 5	15, 11	12, 13

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. Hourly Run.	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	— 25	— 16	— 57	7. 10	— 36	— 32	— 19	— 16	— 70	11. 5	26, 54	27, 42	26, 35	27, 32	25, 56	8
2	— 15	— 7	— 27	13. 15	— 8	— 10	— 10	— 12	— 38	16. 0	27, 20	26, 19	26, 14	27, 4	26, 28	5
3	— 9	— 13	— 38	10. 25	— 3	— 7	— 20	— 10	— 32	18. 10	22, 13	24, 19	23, 16	23, 19	12, 34	6
4	— 17	— 11	— 30	15. 40	— 9	— 20	— 17	— 16	— 32	16. 15	30, 24	2, 23	3, 19	2, 15	2, 26	14
5	— 12	— 9	— 22	16. 55	— 10	— 3	— 10	— 8	— 22	6. 5	25, 7	26, 10	24, 13	24, 14	26, 24	13, 22
6	— 15	— 12	— 22	12. 50	— 12	— 14	— 9	— 9	— 25	10. 55	—	11, 22	12, 20	9, 20	6	14
7	— 5	— 3	— 11	8. 15	— 11	— 17	— 3	— 0	— 24	12. 50	16, 8	19, 10	18, 6	16, 7	17-20	10, 11, 12, 13, 14
8	— 30	— 20	— 41	12. 30	— 12	— 14	— 19	— 24	— 39	20. 40	17, 23	25, 33	24, 35	24, 35	24, 36	14, 19, 22
9	— 28	— 16	— 48	13. 40	— 32	— 36	— 28	— 18	— 53	15. 50	26, 33	26, 37	26, 33	27, 26	25, 38	3, 4
10	— 11	— 9	— 21	15. 50	— 10	— 15	— 9	— 6	— 34	0. 35	30, 12	30, 11	30, 12	28, 13	28, 17	1, 2, 22
11	— 8	— 11	— 28	10. 50	— 7	— 0	— 21	— 6	— 34	17. 50	31, 9	28, 13	28, 13	30, 12	27, 20	2
12	— 12	— 8	— 21	13. 15	— 14	— 13	— 9	— 6	— 25	18. 0	30, 8	30, 6	29, 8	27, 9	31, 11	6
13	— 11	— 11	— 18	15. 0	— 1	— 9	— 2	— 4	— 19	13. 45	23, 8	20, 9	17, 11	19, 9	17, 11	17, 18
14	— 14	— 9	— 19	11. 20	— 5	— 16	— 11	— 2	— 25	15. 0	18, 10	18, 13	18, 10	19, 14	17, 15	11, 12
15	— 13	— 10	— 26	15. 10	— 8	— 10	— 11	— 7	— 18	17. 0	27, 16	28, 25	28, 20	27, 14	28, 25	13, 15
16	— 18	— 21	— 27	19. 40	— 13	— 16	— 3	— 0	— 30	4. 10	16, 14	15, 12	13, 15	14, 14	17, 18, 19	19
17	— 11	— 8	— 24	3. 15	— 13	— 6	— 3	— 2	— 19	22. 20	13, 11	15, 11	15, 13	20, 10	15, 14	2, 3, 5
18	— 5	— 5	— 25	0. 5	— 7	— 1	— 3	— 1	— 13	0. 5	14, 9	14, 14	14, 12	11, 8	14, 17	17
19	— 14	— 9	— 21	23. 35	— 1	— 3	— 1	— 3	— 19	7. 5	27, 25	26, 20	26, 20	25, 10	27, 25	12, 14
20	— 6	— 10	— 23	0. 15	— 4	— 7	— 8	— 1	— 11	7. 5	16, 7	14, 17	13, 17	13, 24	13, 24	20, 21
21	— 12	— 17	— 27	15. 30	— 4	— 1	— 1	— 1	— 12	0. 55	11, 29	24, 14	24, 10	20, 7	11, 41	5
22	— 22	— 11	— 40	11. 45	— 0	— 3	— 3	— 1	— 13	10. 30	26, 27	28, 26	29, 33	29, 24	28, 33	17, 18
23	— 8	— 7	— 13	11. 55	— 2	— 3	— 2	— 1	— 10	3. 0	29, 13	28, 11	28, 9	27, 9	29, 20	1
24	— 8	— 7	— 20	5. 35	— 2	— 3	— 0	— 4	— 12	14. 40	15, 15	16, 20	23, 24	22, 16	16, 26	17
25	— 14	— 25	— 44	21. 25	— 8	— 19	— 12	— 9	— 27	14. 55	25, 11	24, 13	24, 7	21, 6	24, 19	1, 4
26	— 16	— 10	— 25	13. 50	— 8	— 19	— 12	— 9	— 23	13. 20	19, 16	23, 18	24, 9	15, 10	13, 22	7
27	— 15	— 10	— 27	10. 35	— 4	— 12	— 4	— 6	— 15	19. 25	17, 14	16, 14	16, 14	15, 14	14, 20	24
28	— 7	— 11	— 20	23. 55	— 6	— 10	— 8	— 6	— 18	9. 35	15, 18	15, 17	15, 10	14, 12	14, 24	4
29	— 10	— 11	— 28	8. 45	— 10	— 12	— 1	— 4	— 12	0. 10	12, 16	14, 13	12, 10	13, 14	12, 16	9
30	— 7	— 3	17	23. 50	— 2	— 2	— 0	— 0	—							



## 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.
2	28, 15	29, 14	29, 20	15	32, 5	28, 42	28, 24	27, 26	—	54	29, 29	28, 32	27, 26	28, 26	—	47
3	24, 18	24, 12	24, 18	13	28, 19	27, 27	27, 30	27, 24	—	43	28, 18	28, 20	28, 20	28, 19	—	25
4	8, 6	8, 9	8, 3	9	11, 10	10, 10	8, 10	6, 10	—	21	11, 4	7, 7	7, 31	7, 31	—	43
5	2, 5	—	3	4	1, 14	32, 14	32, 12	3, 6	—	21	4, 15	2, 21	31, 14	32, 7	—	40
6	22, 13	22, 11	22, 14	14, 24	19, 12	23, 21	21, 24	21, 26	—	34	24, 16	20, 14	20, 18	20, 13	—	29
7	22, 12	23, 9	22, 14	10	21, 25	21, 24	20, 18	19, 12	—	40	20, 15	19, 18	18, 16	19, 18	—	33
8	20, 15	19, 7	20, 15	13	19, 17	19, 23	19, 14	15, 8	—	35	19, 21	18, 25	17, 20	16, 21	—	37
9	16, 8	17, 15	16, 23	24	14, 15	13, 15	16, 16	16, 15	—	42	15, 19	14, 22	18, 27	17, 31	—	57
10	24, 16	27, 12	16, 26	1	22, 24	24, 26	27, 29	27, 30	—	54	24, 21	26, 28	27, 32	27, 32	—	59
11	27, 9	26, 4	23, 15	5	24, 34	27, 25	24, 10	14, 4	—	45	26, 29	27, 25	29, 17	29, 24	—	37
12	32, 4	30, 4	29, 7	16	5, 4	27, 11	29, 15	1, 8	—	20	5, 8	1, 7	30, 10	31, 12	—	32
13	26, 8	24, 4	25, 10	15	—	1	27, 10	25, 11	26, 14	—	29, 11	28, 8	27, 9	25, 10	—	17
14	24, 9	22, 7	24, 9	13	22, 14	22, 18	19, 10	18, 8	—	27	22, 14	20, 18	20, 18	20, 17	—	32
15	21, 9	20, 8	20, 18	16, 17, 22	19, 15	19, 18	17, 14	16, 11	—	38	19, 18	19, 23	17, 21	18, 23	—	40
16	24, 4	25, 4	23, 8	11	21, 12	24, 6	27, 15	27, 19	—	23	23, 10	22, 14	29, 13	28, 7	—	26
17	19, 11	19, 6	19, 17	13	15, 9	16, 15	15, 13	19, 19	—	29	18, 22	17, 20	19, 23	19, 22	—	46
18	20, 15	21, 4	21, 15	12	18, 14	19, 24	16, 11	16, 8	—	36	18, 23	17, 20	17, 15	16, 16	—	44
19	16, 11	—	2	6	12, 13	13, 11	12, 11	11, 10	—	24	16, 13	16, 10	16, 8	16, 10	—	26
20	4, 4	—	1	5	15, 13	14, 12	12, 5	11, 7	—	23	16, 14	16, 12	—	2, 10, 9	—	23
21	20, 4	—	2	5	12, 6	11, 10	12, 5	25, 4	—	15	9, 10	18, 11	20, 6	23, 4	—	19
22	—	—	1	4	11, 7	22, 10	—	0, 14, 4	—	18	—	2	19, 10	18, 5	18, 5	17
23	6, 4	2, 4	2, 5	6	—	2	15, 7	—	3	12	11, 4	3, 7	—	2, 14, 4	—	15
24	—	3	2, 4	6, 8	5, 7	11, 11	5, 7	6, 5	—	20	—	1	32, 4	29, 7	—	11
25	14, 4	—	3	23	13, 6	13, 9	12, 8	13, 11	—	13	32, 6	32, 6	30, 10	—	2	13
26	22, 12	21, 10	22, 16	11	22, 29	21, 26	21, 25	23, 21	—	24	16, 12	17, 15	15, 21	14, 22	—	36
27	—	—	1	3	17, 6	31, 4	11, 5	12, 7	—	9	22, 23	22, 21	22, 14	23, 15	—	37
28	16, 11	20, 4	16, 17	12, 13	13, 12	14, 13	17, 16	17, 12	—	26	15, 7	14, 10	9, 4	9, 4	—	16
29	15, 15	16, 12	16, 17	15	13, 14	14, 21	14, 13	14, 16	—	34	16, 14	17, 15	17, 12	16, 18	—	32
30	18, 9	—	14, 12	1	14, 13	15, 13	—	13, 8	—	23	16, 18	17, 15	17, 7	17, 7	—	30

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.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D.	V.
2	32, 15	30, 5	32, 18	11	27, 26	27, 25	26, 19	24, 15	27, 26	8, 9, 11, 16	—	36	—	18	—	60
3	25, 14	26, 10	25, 18	12	26, 12	28, 14	29, 12	26, 9	28, 16	12	—	13	—	10	—	27
4	4, 5	5, 8	4, 5, 6, 8	14-18	11, 21	8, 22	7, 29	7, 26	6, 32	23	—	27	—	19	—	38
5	28, 4	28, 4	30, 5	19	2, 21	3, 11	—	1, 7, 5	4, 30	1, 2, 3	—	24	—	16	—	31
6	18, 12	20, 10	22, 18	23, 24	22, 7	22, 15	20, 15	22, 19	23, 28	24	—	3	—	15	—	29
7	19, 18	21, 12	22, 26	11	22, 19	21, 15	20, 12	18, 7	22, 29	6	—	6	—	14	—	25
8	22, 15	19, 14	20, 17	10	19, 25	19, 24	21, 9	14, 7	19, 29	11	—	21	—	19	—	33
9	14, 8	16, 9	18, 12	1	15, 19	16, 16	18, 19	21, 26	22, 29	23	—	18	—	30	—	45
10	28, 7	32, 4	24, 15	10, 24	24, 25	26, 30	26, 24	24, 23	22, 32	1	—	25	—	25	—	44
11	30, 7	32, 6	31, 7	15	24, 26	24, 23	26, 10	26, 19	25, 29	10	—	12	—	15	—	29
12	23, 7	27, 7	24, 11	15	29, 13	1, 7	24, 9	27, 12	24, 22	1	—	12	—	14	—	28
13	20, 7	20, 7	20, 10	11, 12, 14	25, 15	29, 10	24, 9	23, 8	24, 15	3, 5, 6, 8	—	6	—	9	—	19
14	—	2	18, 14	1	20, 11	20, 13	18, 11	19, 15	20, 18	12	—	13	—	14	—	20
15	24, 10	25, 8	25, 12	14, 16	18, 23	19, 16	17, 16	20, 15	18, 23	9	—	22	—	24	—	32
16	10, 18	15, 12	16, 12	12	21, 13	24, 18	28, 11	24, 7	24, 27, 18	12, 13, 14	—	12	—	26	—	44
17	18, 15	17, 5	18, 19	12	16, 18	17, 18	15, 12	16, 12	20, 23	22	—	31	—	18	—	37
18	15, 7	14, 5	16, 12	3	14, 9	15, 16	15, 12	16, 12	16, 25	10	—	21	—	10	—	25
19	15, 10	23, 5	15, 10	13	15, 4	16, 17	16, 11	15, 11	15, 18	17	—	2	—	8	—	19
20	5, 6	7, 5	5, 8	14	—	2	25, 10	24, 16	24, 15	13	—	3	—	5	—	22
21	5, 9	7, 7	6, 10	16	24, 11	14, 4	14, 9	—	10, 18	24	—	12	—	9	—	?
22	6, 9	6, 9	6, 10	24	12, 11	12, 9	9, 15	12, 11	10, 21	3, 4	—	*	—	8	—	?
23	—	3	6, 12	2, 3	14, 5	—	1	2, 27, 7	26, 12	24	—	21	—	19	—	42
24	5, 10	7, 8	6, 10	13, 15	24, 14	18, 11	—	2, 5, 4	25, 15	4, 6	—	13	—	25	—	35
25	10, 7	12, 7	9, 9	4	15, 17	15, 24	15, 25	16, 6	25, 26	19	—	10	—	10	—	18
26	—	2	9, 10	4	22, 21	22, 21	20, 15	22, 12	22, 23	11	—	30	—	44	—	57
27	18, 5	15, 4	20, 7	12	13, 9	14, 12	15, 10	14, 10	16, 18	24	—	14	—	9	—	24
28	16, 5	18, 5	18, 9	24	10, 12	15, 11	17, 19	15, 12	16, 23	10	—	19	—	7	—	30
29	17, 10	19, 10	17, 18	10	17, 26	17, 29	17, 23	17, 24	17, 29	7, 12, 13	—	10	—	10	—	31
30	16, 12	18, 10	16, 15	9	14, 7	14, 14	14, 10	13, 11	16, 22	1	—	24	—	25	—	33
											—	16	—	14	—	25

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, 15	30, 5	32, 18	11	27, 26	27, 25	26, 19	24, 15	27, 26	8, 9, 11, 16	—	36	—	30	—	60
2	25, 14	26, 10	25, 18	12	26, 12	28, 14	29, 12	26, 9	28, 16	12	—	13	—	10	—	27
3	4, 5	5, 8	4, 5, 6, 8	14-18	11, 21	8, 22	7, 29	7, 26	6, 32	23	—	27	—	19	—	38
4	28, 4	28, 4	30, 5	19	2, 21	3, 11	—	1, 7, 5	4, 30	1, 2, 3	—	24	—	16	—	31
5	18, 12	20, 16	22, 18	23, 24	22, 7	22, 15	20, 15	22, 19	22, 28	24	—	3	—	15	—	29
6	22, 18	21, 12	22, 26	11	22, 19	21, 15	20, 12	18, 7	22, 29	6	—	6	—	14	—	25
7	19, 15	19, 14	20, 17	10	19, 25	19, 24	21, 9	14, 7	19, 29	11	—	21	—	19	—	33
8	14, 8	10, 9	18, 12	1	15, 19	16, 18	18, 19	21, 26	22, 29	23	—	18	—	30	—	45
9	28, 7	26, 10	31, 25, 14	10, 24	24, 25	26, 30	26, 24	24, 23	22, 32	1	—	25	—	23	—	44
10	30, 7	32, 4	24, 15	1	24, 26	24, 23	26, 10	26, 19	25, 29	10	—	12	—	15	—	29
11	26, 7	32, 6	31, 7	15	29, 13	1, 7	24, 9	27, 12	24, 22	1	—	12	—	14	—	28
12	23, 7	27, 7	24, 11	15	25, 15	29, 10	24, 9	23, 8	24, 15	3, 5, 6, 8	—	6	—	9	—	19
13	20, 7	20, 7	20, 10	11, 12, 14	20, 11	20, 13	18, 11	19, 15	20, 18	12	—	13	—	14	—	20
14	—	2, 17, 13	18, 14	22	18, 23	19, 16	17, 16	20, 15	18, 23	9	—	22	—	24	—	32
15	24, 10	25, 8	25, 12	14, 16	21, 13	24, 18	28, 11	24, 7	24, 27, 18	12, 13, 14	—	12	—	26	—	44
16	16, 10	18, 6	19, 14	23	16, 15	16, 19	19, 20	19, 21	20, 23	22	—	31	—	18	—	37
17	18, 15	17, 5	18, 19	12	16, 18	17, 18	15, 12	16, 12	16, 25	10	—	21	—	10	—	32
18	15, 7	14, 5	16, 12	3	14, 9	15, 16	15, 12	16, 5	15, 18	17	—	2	—	8	—	19
19	15, 10	23, 5	15, 10	13	15, 4	16, 17	16, 11	15, 11	16, 17	13	—	3	—	5	—	22
20	5, 6	7, 5	5, 8	14	—	2, 25, 10	24, 16	24, 15	24, 18	16	—	12	—	9	—	?
21	5, 9	7, 7	6, 10	16	24, 11	14, 4	14, 9	—	3	24	—	*	—	8	—	?
22	6, 9	6, 9	6, 10	24	12, 11	12, 9	9, 15	12, 11	10, 21	3, 4	—	21	—	19	—	42
23	—	3, 29, 4	6, 12	2, 3	14, 5	—	1	2, 27, 7	26, 12	24	—	13	—	25	—	35
24	5, 10	7, 8	6, 10	13, 15	24, 14	18, 11	—	2, 5, 4	25, 15	4, 6	—	10	—	10	—	40
25	10, 7	12, 7	9, 9	12	15, 17	15, 24	15, 25	16, 6	15, 20	19	—	30	—	44	—	50
26	—	2, 22, 6	9, 10	4	22, 21	22, 21	20, 15	22, 12	22, 23	11	—	14	—	9	—	35
27	18, 5	15, 4	20, 7	12	13, 9	14, 12	15, 10	14, 10	16, 18	24	—	19	—	7	—	5
28	16, 5	18, 5	18, 9	24	16, 12	15, 11	17, 19	15, 12	16, 23	10	—	10	—	10	—	30
29	17, 16	19, 10	17, 18	10	17, 26	17, 29	17, 23	17, 24	17, 29	7, 12, 13	—	24	—	25	—	50
30	16, 12	18, 10	16, 15	9	14, 7	14, 14	14, 10	13, 11	16, 22	1	—	16	—	14	—	40

\* 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), 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.—OCTOBER 1908.

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 Station Level.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	Min.	Temp. on Grass.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	57.2	55.1	52.8	62.8	0.9	1.1	440	402	94	92	SSE	5	SSE	4	9	3	0.6	⊙. Very fine p.	
2	29.78	29.90	57.2	55.1	52.8	62.8	0.9	1.1	440	402	94	92	E	5	SSE	4	10	0	3.6	Very fine p. ⊙ p.	
3	29.78	29.90	57.2	55.1	52.8	62.8	0.9	1.1	440	402	94	92	SSW	4	S	5	4	1	8.6	Mildest October day for 20 years.	
4	29.88	30.08	61.0	58.5	51.2	66.1	2.0	1.5	470	443	94	79	NW	21	NW	4	10	8	1.3	Very fine. ⊙ p.	
5	30.14	30.10	49.7	52.0	47.0	52.1	2.9	1.0	286	361	81	93	SE	14	SE	18	10	10	—	Very fine a.	
6	29.92	29.83	53.4	52.2	51.1	56.1	0.4	0.2	397	385	97	99	SSE	18	S	9	9	9	0.7	Fine. ⊙ p.	
7	29.80	29.86	56.0	55.2	52.0	57.8	1.0	0.9	419	410	93	94	S	10	N	4	9	9	4.0	Very fine p.	
8	29.81	29.85	55.5	52.0	52.0	55.8	1.0	0.0	412	388	94	100	SE	10	SE	21	8	10	0.4	Very fine till 5 p., then ⊙.	
9	29.57	29.41	54.5	53.2	51.8	55.6	3.1	3.5	339	313	79	77	WSW	5	S	20	10	9	3.5	⊙ early a.	
10	29.34	29.44	55.0	46.0	46.0	57.0	2.5	2.0	362	265	84	86	S	16	SW	16	3	1	5.0	⊙ showers.	
11	29.49	29.51	53.4	54.0	46.0	55.6	1.0	2.0	380	360	93	86	SSW	16	S	23	10	10	—	⊙ early a.	
12	29.54	29.70	57.0	54.0	53.2	58.8	3.2	2.0	372	360	80	86	S	19	S	13	9	3	6.0	Very fine.	
13	29.78	29.70	57.0	54.0	53.2	57.0	2.1	1.0	363	361	85	93	S	12	S	11	1	0	7.6	Very fine. p p.	
14	29.60	29.69	52.0	51.0	49.8	52.8	0.6	1.0	380	348	96	93	SSE	18	S	4	4	1	0.35	⊙	
15	29.88	29.92	52.0	51.0	47.3	52.2	0.1	0.0	369	388	92	93	N	6	E	7	7	10	2.3	Very fine p. ⊙ from 11 p.	
16	29.89	29.84	50.8	52.0	47.3	52.2	0.7	1.0	383	348	95	93	SSE	22	SE	27	10	10	—	⊙	
17	29.86	29.81	53.0	51.0	49.7	53.5	0.7	1.0	383	348	95	93	SE	25	SE	29	9	10	1.6	⊙ a.	
18	29.93	29.93	52.3	52.0	50.3	53.3	1.0	1.5	365	348	93	90	SE	30	SE	35	10	10	—	Rough sea.	
19	29.97	29.90	51.3	50.0	49.0	52.8	1.3	2.0	344	309	91	86	SE	33	SE	32	10	10	—	Rough sea.	
20	29.80	29.82	51.0	49.8	48.2	52.8	2.0	3.0	263	285	86	81	SSE	31	SSE	31	8	0	—	—	
21	29.96	30.14	50.0	47.7	47.3	51.9	4.0	3.3	255	254	74	78	S	26	S	16	1	9	2.5	Very dry and bracing. ⊙ ⊙.	
22	30.26	30.27	48.2	48.0	45.2	48.8	3.7	2.8	251	267	75	80	S	13	S	7	2	1	0.7	Very fine. "Mackerel" sky.	
23	29.24	29.11	48.0	46.2	43.0	50.8	2.4	2.0	276	267	83	86	S	17	S	16	9	9	0.3	Very dry and breezy.	
24	29.17	29.11	48.0	46.0	45.0	48.8	4.0	4.0	243	225	73	73	S	16	S	7	1	0	8.4	Fine, dry, and clear.	
25	29.09	29.20	47.0	45.2	43.0	49.0	4.6	2.0	222	255	69	85	ESE	6	ESE	15	10	10	0.7	Very fine.	
26	29.25	29.21	48.2	49.7	43.8	50.0	2.7	1.9	272	309	82	88	SE	22	SE	23	10	10	0.9	Dull a. ⊙ 2p.-3p.	
27	30.12	30.00	49.2	48.3	46.4	50.0	3.2	1.5	274	301	78	90	E	12	W	4	10	10	2.0	⊙ till 1p.	
28	29.82	29.80	49.7	48.0	45.0	49.8	0.7	1.0	338	309	95	93	—	1	SSE	6	9	9	0.2	Dull and muggy.	
29	29.87	29.94	50.0	50.0	45.0	52.6	1.0	1.0	334	334	93	93	SE	20	SE	23	10	8	4.0	⊙ a.	
30	29.82	29.70	51.2	52.0	49.0	52.8	0.2	1.2	371	356	99	92	—	1	SW	4	10	2	1.8	⊙ till 9a. ⊙ till 6p.	
31	29.78	29.87	51.3	48.3	47.0	53.0	0.3	1.3	370	306	98	91	—	—	—	—	—	—	—	—	
M.	29.876	29.881	52.2	50.7	48.2	54.3	1.8	1.6	346	331	88	89	15	15	7.8	6.5	1.5	15	68	—	



## TILLYPRONIE, ABERDEENSHIRE.—OCTOBER 1908.

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.		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.	Min.	Max.	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.	61.8	56.9	55.3	74.5	4.5	2.4	in.	in.	%	%	SW	†	SW	†	—	hrs.	°	Sunny and very warm.	
2	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	54	Sunny and very warm.
3	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	51	Sunny and very warm.
4	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	52	Sunny and very warm.
5	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	46	Sunny and very warm.
6	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	44	Cold wind. ∞
7	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	44	Dull, with ∞.
8	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	47	Dull, with ∞.
9	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	49	Dull, with ∞ ● showers.
10	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	46	☽
11	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	40	Warm and windy.
12	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	40	Dull, with cold breeze.
13	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	50	Dull, with ☽.
14	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	44	—
15	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	44	—
16	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	43	Dull and cloudy. ∞°
17	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	43	Dull and cloudy. ∞°
18	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	47	Dull and cloudy. ∞°
19	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	47	☽.
20	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	43	Cold wind. ☽ ☽ showers.
21	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	40	Cold wind. ☽ ☽ showers.
22	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	37	Dull, with cold wind.
23	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	33	—
24	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	32	—
25	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	28	Frosty.
26	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	27	Frosty.
27	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	30	Dull, with ☽ ☽.
28	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	42	Dull, with ☽ ☽.
29	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	39	—
30	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	40	—
31	28.85	28.91	61.8	56.9	55.3	74.5	4.5	2.4	410	392	75	85	SW	6	SW	4	7	8	—	42	—
M.	28.879	28.886	50.9	48.1	43.4	57.0	2.7	1.7	314	302	83	88	3.8	4.4	6.6	4.8	1.32	—	42.0		

## LAUDALE, ARGYLESHIRE, a.—OCTOBER 1908.

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	30.05	60.0	60.5	50.0	69.8	0.8	0.6	.492	.507	95	96	S	5	S	5	7	1	—	—	—	Fine and breezy.	
2	30.05	30.06	60.5	60.2	57.2	71.9	3.0	3.5	.516	.556	83	81	S	5	S	1	8	0	—	—	—	Fine and squally. ∞	
3	30.08	30.04	62.2	62.1	58.2	76.9	1.0	2.1	.524	.486	94	87	S	1	W	1	1	0	—	—	—	Very fine.	
4	30.13	30.02	62.2	62.3	51.1	68.2	1.2	0.3	.517	.495	93	98	Calm	0	Calm	0	10	10	—	—	—	Calm and misty.	
5	30.15	30.15	58.9	60.3	57.2	67.5	1.0	2.3	.465	.466	94	86	SE	4	S	5	5	2	—	—	—	Fine and windy. ∞	
6	30.06	29.99	60.7	60.5	57.2	65.5	3.0	1.2	.435	.487	82	93	S	7	S	5	10	10	—	—	—	☉ showers.	
7	29.98	29.98	59.9	59.7	57.1	62.2	1.7	2.6	.401	.430	90	85	S	2	S	1	10	10	—	—	—	Misty, with ☉ showers.	
8	29.91	29.94	59.9	62.7	57.3	63.5	2.8	2.6	.427	.481	84	85	S	5	S	8	10	10	—	—	—	Squally and misty.	
9	29.74	29.61	54.1	57.1	51.0	64.1	1.9	1.9	.365	.410	86	87	S	4	S	5	9	10	—	—	—	Squally, with ☉ showers.	
10	29.58	29.76	52.2	52.2	49.0	57.2	1.5	2.2	.350	.332	90	85	W	5	W	3	10	10	—	—	—	☉ showers.	
11	29.50	29.76	51.7	57.3	50.7	60.2	1.7	1.1	.339	.436	88	92	W	5	W	6	10	10	—	—	—	Dull and squally.	
12	29.83	29.91	58.5	57.9	56.3	63.7	2.8	0.9	.406	.452	82	94	W	5	SW	6	10	9	—	—	—	Fair, but squally.	
13	29.82	29.86	56.5	57.5	55.5	62.2	0.5	0.4	.441	.461	96	97	S	6	S	5	9	8	—	—	—	Fine all day.	
14	29.76	29.88	57.0	54.5	52.2	60.3	2.0	0.0	.405	.426	87	100	S	4	W	1	10	10	—	—	—	Dull and misty.	
15	29.99	29.98	54.9	57.5	47.3	60.7	1.0	1.2	.403	.436	94	92	S	1	S	5	7	10	—	—	—	Fine all day.	
16	29.92	29.86	60.1	57.9	56.0	62.2	0.9	0.4	.490	.503	94	98	S	5	SE	5	10	10	—	—	—	Squally, with ☉.	
17	29.91	29.93	57.2	57.7	52.2	60.5	0.3	0.7	.459	.438	98	95	SE	5	S	2	10	10	—	—	—	Fine all day.	
18	29.94	29.95	59.1	58.7	52.3	59.9	1.0	0.0	.409	.495	94	100	S	5	S	6	10	10	—	—	—	Fine all day.	
19	29.85	29.88	56.1	56.0	53.0	58.7	0.0	0.0	.451	.449	100	100	SE	4	SE	5	10	10	—	—	—	Dark, squally, and misty.	
20	29.80	29.79	58.5	56.5	52.3	59.2	0.4	0.0	.478	.457	98	100	S	6	S	5	10	10	—	—	—	Dark and stormy.	
21	29.99	30.25	51.2	50.0	49.0	56.5	3.3	5.7	.295	.232	78	65	SE	6	SE	5	3	0	—	—	—	Very fine.	
22	30.44	30.44	46.2	47.9	42.3	50.3	3.5	3.8	.236	.246	76	75	E	6	E	7	10	10	—	—	—	Fine, but cold.	
23	30.41	30.47	47.0	41.9	40.5	52.2	3.8	1.0	.237	.246	74	73	E	5	E	1	4	2	—	—	—	Fine, but squally.	
24	30.30	30.25	47.2	44.5	39.9	50.9	3.3	3.0	.249	.229	77	78	Calm	0	SE	1	10	4	—	—	—	Fine all day.	
25	30.33	30.18	38.5	52.3	33.0	54.3	1.0	3.8	.213	.296	92	75	Calm	0	S	6	2	0	—	—	—	Dull and cold.	
26	30.08	29.96	52.7	53.9	46.2	54.5	4.6	4.0	.282	.310	71	74	SE	5	S	5	6	7	—	—	—	Very fine all day.	
27	29.95	29.95	53.0	51.9	47.0	53.9	3.0	3.0	.322	.311	80	80	Calm	0	S	6	10	10	—	—	—	Fine, but dull.	
28	30.04	30.00	54.2	57.2	46.0	58.9	2.2	1.2	.358	.431	85	92	S	1	S	6	10	10	—	—	—	☉ in evening.	
29	29.93	29.85	60.1	55.3	54.0	62.2	7.1	2.1	.320	.378	62	86	S	5	S	2	10	10	—	—	—	☉ in evening.	
30	29.96	30.07	49.1	50.1	42.0	56.2	1.1	2.1	.321	.308	92	85	S	1	S	2	2	3	—	—	—	Fine all day.	
M.	30.006	29.999	55.2	55.7	50.1	60.5	2.2	1.8	.385	.401	86	88	3.8	3.9	8.1	7.3	1.51	—	—	—	—	—	

† Beaufort Scale (0-12).

## DUNDEE, FORFARSHIRE, c.d.—OCTOBER 1908.

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.		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.	Min.	Max.	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.		°	°	°	°			in.	in.	%	%	+	+			ins.	hrs.	°	
1	29.90	29.91	59.9	59.5	51.4	72.2	1.1	0.7	480	486	94	96	S	1	NW	1	10	5	—	Cloud and sunshine.
2	99	96	54.8	57.0	51.5	71.9	0.3	0.8	422	440	98	94	SE	1	SE	1	5	5	—	≡ 5a.—10a. Dull.
3	95	29.88	54.9	61.2	52.2	66.6	0.2	1.4	426	493	99	92	SW	1	SW	1	10	10	—	≡ a. Cloud and sunshine.
4	29.92	30.08	59.3	53.2	52.5	71.6	1.6	2.2	454	344	90	85	S	1	SE	1	7	10	01	Fine till 4p., then dull.
5	30.17	30.10	51.5	53.8	50.2	54.4	0.3	0.8	373	391	97	94	SE	1	NE	1	10	10	01	Dull, with ∞.
6	30.01	29.92	55.0	51.8	51.2	61.0	0.7	0.8	412	364	95	94	SE	1	SE	1	10	5	09	Cloud and sunshine.
7	29.91	90	50.4	56.9	51.0	64.2	0.2	0.7	449	441	98	95	SE	1	SE	1	10	10	—	≡ to 8a. Dull and cloudy.
8	86	69	58.0	56.8	55.0	61.4	1.0	0.8	451	437	93	94	SW	1	NE	1	10	10	06	Dull and cloudy, with ∅.
9	67	57	53.2	53.0	52.0	57.0	1.5	2.4	363	337	90	84	SW	2	SW	3	10	10	—	Dull and cloudy.
10	69	62	56.5	48.0	47.2	60.0	1.5	2.4	412	276	90	83	SW	3	SW	3	5	7	05	Fine 9a.—4p., then ∅ showers.
11	75	72	54.2	56.6	47.6	57.4	2.2	3.1	358	370	85	80	SW	4	SW	5	10	10	—	Dull and cloudy.
12	74	86	56.2	53.0	52.8	58.6	2.9	1.5	370	361	82	90	SW	5	SE	2	10	7	—	Dull and cloudy.
13	87	79	49.5	50.0	43.1	61.7	0.3	0.6	347	345	97	95	NE	1	E	1	5	10	—	Cloud and sunshine.
14	72	78	50.8	51.7	45.0	59.2	0.3	0.7	365	395	98	95	NE	1	SE	1	10	10	01	Dull.
15	90	91	50.0	52.0	45.0	61.2	0.1	1.0	358	361	99	93	E	1	N	1	5	5	01	Fine.
16	89	82	54.4	52.5	50.2	54.7	0.2	0.5	418	381	98	96	NE	1	NE	1	10	10	—	Dull, with ∞.
17	85	87	53.0	52.5	52.0	55.2	0.2	0.8	397	377	99	94	SE	2	SE	2	10	10	—	Dull.
18	90	91	52.8	52.0	51.8	53.8	0.3	0.1	392	385	98	99	SE	3	SE	4	10	10	02	Dull, with ∞. ∅ from 6.30p.
19	92	86	50.2	50.0	49.8	52.9	0.2	0.2	358	350	99	99	SE	5	SE	5	10	10	82	∅ during day and n.
20	29.81	29.81	50.7	47.7	47.2	51.0	0.2	1.7	366	289	99	88	E	4	SE	5	10	10	49	∅ to 5.30p.
21	30.02	30.25	48.3	43.7	42.9	52.0	2.3	1.7	282	247	84	86	S	3	SE	4	5	7	—	Cloud and sunshine.
22	39	38	35.2	41.5	35.0	48.3	0.4	0.2	198	258	96	98	SW	1	NE	1	10	10	—	Dull and cloudy.
23	35	26	39.9	38.9	34.0	45.2	0.3	0.2	239	233	98	99	NW	1	SW	1	10	10	—	Dull and cloudy. ≡ to 8.30a.
24	23	16	42.5	38.7	37.6	47.3	0.6	0.7	259	221	95	94	N	1	SE	1	5	10	02	Dull and cloudy. ∅ showers.
25	15	20	36.6	37.0	31.0	48.4	0.6	0.4	205	212	95	96	SW	1	N	1	10	7	—	Fine.
26	19	30.13	45.5	47.7	31.4	49.8	0.3	0.2	297	326	97	99	NE	3	SE	1	10	10	08	Dull. ∅ from 1p.
27	30.02	29.88	47.9	49.7	46.7	50.0	0.3	0.1	325	354	98	99	SE	3	SE	4	10	10	47	∅ during day, and n.
28	29.80	88	47.7	44.2	43.0	50.9	0.3	0.2	324	285	98	98	NW	1	W	1	10	5	02	Dull to 11.30a., then fine.
29	95	95	46.8	51.7	44.2	53.2	0.3	0.3	314	376	98	98	SW	1	NE	1	10	10	—	Cloud and sunshine.
30	83	76	52.2	50.0	48.5	56.0	0.6	0.1	374	358	96	99	SE	1	N	1	5	5	11	Fine from 8a. ∞ after sunset.
31	29.82	29.94	51.0	46.6	45.5	55.7	0.2	0.4	369	308	99	97	SW	1	NW	1	10	7	01	≡ to 9a., then fine.
M.	29.935	29.927	50.8	50.3	46.4	56.9	0.7	0.9	360	348	95	94	1.8	1.9	8.8	8.5	2.81	—	—	



COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—OCTOBER 1908.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar, 7 feet. Therms, 4 feet. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 41'$  W. Lat.  $55^{\circ} 13'$  N. Gravity Correction,  $+0.026$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	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.	71	61	55	74	0	0	in.	in.	%	%	†	†			ins.	hrs.	°				
2	29.75	29.74	70	62	58	72	7	2	494	470	65	88	Calm	0	NW	1	4	4	—	8.4	42	Fine and bright.	
3	79	81	62	58	53	72	2	2	487	421	88	87	Calm	0	Calm	0	3	3	—	8.2	40	Fine and bright.	
4	81	75	64	61	51	71	3	2	492	470	82	88	SW	2	NW	1	3	3	—	9.4	39	Fine. ∞	
5	77	87	63	54	53	73	3	1	474	388	82	93	NW	2	NW	1	3	3	0.10	9.5	43	Fine.	
6	98	94	53	53	51	55	1	1	374	374	93	93	SE	1	SE	1	10	3	—	—	44	Dull.	
7	98	79	52	52	48	59	3	2	310	335	80	86	SW	2	SE	2	9	4	—	3.5	39	Dull and cloudy.	
8	75	74	56	52	43	67	2	0	391	388	87	100	Calm	0	NW	1	10	2	—	3.3	33	Fine a. Dull.	
9	70	58	55	52	45	61	1	1	403	361	93	93	S	1	SW	2	9	10	0.80	1.5	35	Dull.	
10	54	51	55	49	44	59	1	2	403	298	93	86	SW	1	SE	1	10	10	—	1.2	45	Dull and damp.	
11	40	55	52	51	48	54	2	2	335	323	86	86	SE	2	W	2	9	4	—	5.5	32	Fine.	
12	68	69	55	54	44	58	3	3	349	334	81	80	SW	2	SW	3	9	10	—	—	32	Fine, but dull.	
13	66	70	51	52	44	62	2	1	323	361	86	93	SE	2	SE	1	8	10	—	7.2	33	Fine.	
14	71	64	51	51	41	58	0	0	374	374	100	100	SE	2	Calm	0	10	4	0.10	2.5	31	Dull and damp.	
15	58	62	51	53	43	63	1	1	348	374	93	93	SW	2	NW	1	8	9	—	2.2	31	Fine. ∞	
16	74	72	57	50	45	63	1	0	434	361	93	100	W	1	SE	3	4	8	—	4.9	34	Fine and bright.	
17	69	65	50	52	41	56	0	0	361	388	100	100	SE	1	SE	3	10	10	—	0.6	31	Dull. ≡	
18	65	69	51	52	50	55	0	0	374	388	100	100	SE	3	SE	6	10	10	0.30	—	40	Dull.	
19	73	73	53	52	51	53	0	0	403	388	100	100	SE	3	SE	4	10	10	34.0	—	42	Dull and damp.	
20	72	66	51	50	49	53	0	0	374	361	100	100	SE	4	SE	6	10	10	0.60	—	41	Windy, with ●.	
21	67	29.64	50	47	41	50	1	2	334	275	93	86	SE	4	E	3	10	10	0.10	—	41	Dull and windy.	
22	29.80	30.05	47	44	42	50	3	2	253	244	79	84	SE	4	SE	1	6	7	—	6.4	31	Fine.	
23	30.18	16	45	45	42	50	2	1	253	275	85	92	SE	1	Calm	0	10	9	—	4.9	30	Fine.	
24	30.10	30.07	45	42	41	47	2	1	253	245	85	92	Calm	0	NW	2	10	7	0.40	0.1	28	Fine.	
25	29.96	29.92	45	39	39	46	4	2	214	199	72	84	E	5	SE	2	8	9	0.40	7.5	27	● showers.	
26	94	96	42	39	35	50	0	1	267	218	100	92	NW	3	NW	1	2	4	0.30	5.0	21	Fine and bright.	
27	88	86	49	44	38	49	1	1	322	265	93	92	NE	2	NE	2	10	10	2.35	—	24	●	
28	72	62	50	50	42	50	0	1	361	334	100	93	SE	3	SE	3	10	10	1.65	—	38	●	
29	68	72	48	52	42	52	3	4	263	287	79	74	SW	3	SE	1	9	10	1.40	6.1	32	Fine a.	
30	77	78	52	51	46	57	1	4	361	276	93	74	Calm	0	Calm	0	6	10	0.10	3.0	31	Fine a.	
31	66	59	47	49	43	55	1	1	298	322	93	93	SW	1	SW	2	8	6	1.30	2.5	31	Fine a.	
30	29.65	29.77	53	46	43	58	1	1	374	287	93	93	W	2	W	2	6	4	—	5.0	32	●	
M.	29.758	29.758	52.5	50.2	44.9	57.4	1.6	1.3	357	335	89	91		1.9	1.9	7.9	7.2	1.960	108	34.6			

## DOUGLAS, ISLE OF MAN, a.—OCTOBER 1908.

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

1	29°80	29°84	64°2	58°0	57°0	68°0	37	0°9	474	454	79	94	SSE	2	WNW	2	0	0	—	9°4	53	Fine.	
2	85	85	60°2	62°3	55°5	69°7	0°2	1°1	515	523	99	93	E	2	ENE	2	10≡	0	—	6°0	48	Fine.	
3	86	86	56°0	59°2	53°4	67°7	0°0	1°2	449	404	100	93	E	2	WNW	2	10≡	0	—	5°7	52	Fine.	
4	29°90	29°92	59°2	54°8	54°5	66°0	0°0	0°0	504	430	100	100	SW	2	E	2	10≡	10≡	017	2°5	49	Fine mid-day.	
5	30°02	30°02	55°59	56°7	53°3	61°2	0°1	0°2	444	454	100	99	E	4	E	4	10≡	10≡	—	3°0	53	Fine mid-day.	
6	29°87	29°87	52°4	50°0	58°0	53°3	58°3	0°8	0°8	394	457	94	94	ESE	4	SSE	4	10≡	0	055	—	52	Dull. <i>n.</i>
7	80	80	57°4	58°0	56°0	58°8	0°2	2°8	405	399	98	82	SSE	3	S	2	10≡	10≡	020	—	53	● showers <i>a.</i>	
8	72	72	53	55°7	58°0	54°8	58°8	0°5	1°1	429	448	96	92	ESE	3	SE	4	10	9	111	—	52	● showers most of day.
9	59	59	53	54°2	55°8	50°7	61°6	2°5	1°8	350	393	83	88	SSW	2	S	5	8	9	—	5°0	47	Fine, but squally.
10	50	50	66	55°0	57°0	51°9	58°5	2°8	2°3	354	397	82	85	WSW	6	WSW	5	3	0	—	8°4	49	Fine, but squally.
11	78	78	73	56°0	56°0	51°8	59°0	2°0	1°2	391	413	87	92	S	6	S	6	9	9	—	1°7	47	Fine, but squally.
12	72	72	75	56°4	55°2	54°9	60°0	1°4	0°4	413	425	91	98	S	5	SSE	2	10	4	—	4°2	53	Dull and squally <i>a.</i> Fine <i>p.</i>
13	73	73	68	56°1	55°3	52°0	58°0	0°9	0°3	424	429	93	98	E	2	SSE	2	8	10≡	—	1°0	48	Dull.
14	63	63	69	56°0	55°8	54°8	59°5	1°0	0°5	419	431	93	96	S	3	SW	1	9	10≡	—	0°7	48	Dull.
15	75	75	71	54°8	59°0	52°0	63°0	0°1	1°8	428	442	99	89	SE	2	ESE	2	10	10≡	025	1°6	47	Fine, but dull.
16	66	66	73	56°0	55°5	55°2	59°5	0°8	0°5	425	426	94	96	ESE	3	ESE	4	9	10≡	025	—	53	Dull, with ● showers.
17	65	65	63	54°2	55°2	53°8	58°0	0°4	0°2	409	430	98	99	ESE	4	ESE	3	10	10	198	—	52	Dull, with ● showers.
18	69	69	70	54°2	55°0	53°5	56°0	0°0	0°2	421	427	100	99	ESE	6	ESE	4	10≡	10	595	—	51	● all day.
19	67	67	62	54°5	55°8	54°0	58°2	0°3	0°0	416	446	97	100	ESE	5	SE	6	10≡	10≡	075	—	52	Dull, with ● showers.
20	60	29°57	54°5	51°8	51°2	56°2	0°3	0°5	416	372	97	96	SE	6	ESE	7	10	10≡	078	—	53	Gloomy, with ● showers.	
21	29°73	30°03	48°8	46°2	46°0	51°8	0°8	3°0	325	246	94	79	ESE	6	ESE	6	10	7	—	0°4	47	Fine, but dull.	
22	30°19	20	45°9	48°8	45°0	50°2	2°9	3°3	245	268	80	78	ESE	5	ESE	6	8	8	—	4°0	41	Fine.	
23	16	30°11	48°8	45°0	44°8	49°3	3°6	2°8	261	237	75	79	SE	4	ENE	2	6	10	—	0°3	41	Fine.	
24	93	29°09	45°5	43°2	43°0	49°9	4°7	3°4	207	209	68	76	ENE	2	SE	2	6	0	—	3°0	40	Fine. Cold <i>n.</i>	
25	30°00	29°02	43°8	41°5	35°0	53°0	2°2	1°5	239	230	83	88	WNW	2	NE	1	2	0	—	8°2	28	Fine. Cold <i>n.</i>	
26	29°90	29°79	49°2	52°0	38°2	54°0	1°1	2°5	322	323	93	83	NE	5	E	6	9	8	048	1°7	33	Fine. Squally <i>n.</i>	
27	70	63	50°4	50°0	38°3	55°2	0°4	1°2	356	329	97	92	E	4	ENE	3	8	10	018	0°9	47	Dull, with ● showers.	
28	73	73	51°5	56°2	38°4	57°0	2°7	0°0	312	452	82	100	SSW	2	S	4	6	10≡	595	3°5	43	Fine. ● showers <i>n.</i>	
29	83	75	55°4	54°8	54°2	57°0	0°0	0°8	439	406	100	94	SSW	2	ESE	2	10≡	2	—	0°2	48	Fine, but dull.	
30	63	64	53°8	55°0	52°8	57°8	1°0	0°2	386	427	93	99	ESE	4	SSW	2	6	10≡	073	2°0	48	Fine. <i>n.</i>	
31	29°74	29°86	50°0	49°5	48°0	58°0	1°0	0°0	334	355	93	100	NW	2	NNE	1	0	9	—	7°0	42	— <i>a.</i> Fine.	
M.	29°788	29°781	53°8	54°0	50°2	58°4	1°2	1°2	386	392	92	92	3°5	3°4	8°0	7°1	1°933	80	47°4				

† Beaufort Scale (0—12).

STONYHURST, LANCASHIRE, a.—OCTOBER 1908.

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.		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.	Min.	Max.	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.							in.	in.	%	%	*	*					ins.	hrs.	°	Bright and warm all day.
2	29.75	29.76	65.0	62.0	59.5	73.9	3.0	1.0	.510	.520	83	94	—	1	—	2	0	0	.008	7.7	53	≡ <sup>2</sup> , then sunny.
3	.78	.80	58.2	62.3	53.5	70.2	8.2	0.3	.273	.551	56	98	—	3	—	3	0	0	—	4.9	52	Very fine and sunny.
4	.81	.78	58.0	61.0	51.5	73.0	1.0	1.8	.451	.477	93	89	—	3	—	10	≡	.005	8.3	51	≡ till noon. ≡ <sup>2</sup> n.	
5	.84	.87	57.0	57.0	53.9	67.0	0.0	1.0	.465	.434	100	93	—	1	—	0	0	.008	4.0	48	Fine and sunny.	
6	.93	.92	56.3	55.6	54.2	60.7	0.9	1.3	.427	.405	94	91	—	3	E	6	2	2	—	5.8	46	Fine.
7	.85	.78	55.0	54.3	48.6	62.2	2.0	2.3	.375	.357	87	84	E	4	—	2	4	4	—	2.1	43	Calms and misty.
8	.75	.74	53.0	54.0	45.5	62.7	2.0	0.8	.347	.394	86	94	—	2	—	2	2	10	4.7	43	Dull. ● 8.30p.	
9	.70	.56	50.0	61.0	49.7	61.5	0.6	1.2	.431	.496	96	93	SE	6	SE	9	10	10	.230	1.0	44	● early a. Cloudy.
10	.56	.51	54.5	53.0	52.4	61.2	0.5	1.8	.410	.352	96	87	SW	4	—	3	10	5	—	4.7	43	Fine and sunny.
11	.50	.62	53.0	52.4	47.7	57.8	1.0	0.4	.358	.382	89	97	SSW	11	SW	5	8	7	—	4.8	43	Bright and fresh.
12	.76	.74	.50	52.0	47.0	59.5	1.1	1.5	.339	.348	92	90	S	4	SSW	6	6	0	—	1.1	40	Fine and sunny. ∞
13	.70	.71	54.0	53.0	48.1	60.0	1.7	2.0	.368	.347	88	86	S	13	—	2	4	0	—	8.4	43	Misty, then fine and sunny.
14	.68	.64	49.6	51.4	46.3	62.2	0.4	0.6	.346	.394	97	96	NE	5	—	1	0	1	—	5.3	39	Cloudy and mild.
15	.57	.62	56.1	56.0	49.5	61.0	1.1	1.0	.418	.419	92	93	S	6	E	2	10	6	—	2.0	41	Fine. ∞
16	.68	.67	54.3	57.0	51.5	62.4	0.3	1.0	.413	.434	98	93	NNE	4	—	4	8	0	—	2.7	43	Dull and misty. ● 2p.-4p.
17	.63	.59	56.8	54.2	54.2	59.8	3.8	1.8	.354	.399	76	88	NE	4	E	5	10	0	.008	—	42	Gloomy and misty.
18	.60	.63	.50	55.2	51.9	55.4	1.1	0.8	.371	.413	92	95	E	5	—	2	10	7	—	4.9	49	
19	.66	.65	50.0	55.7	51.2	57.0	1.7	0.7	.399	.423	89	95	E	8	—	3	8	10	.585	0.5	45	
20	.63	.62	54.0	54.6	53.0	56.0	1.0	0.6	.388	.409	93	96	E	6	E	7	10	10	.290	—	52	
21	.60	.58	51.5	47.6	47.2	54.6	1.5	1.6	.341	.290	89	89	ESE	9	E	9	10	10	.423	—	46	
22	29.72	29.99	43.3	40.7	39.5	50.0	1.6	2.2	.246	.210	88	83	E	11	NE	6	10	0	—	4.9	34	
23	30.14	30.13	45.4	44.8	36.7	49.4	2.9	2.8	.240	.235	80	79	E	6	—	2	8	3	—	4.4	30	Fine. Sunny afternoon.
24	30.09	30.02	45.0	44.0	42.6	47.9	3.0	2.5	.233	.234	78	81	—	2	—	2	10	4	—	4.0	30	Fair, but cloudy.
25	29.91	29.88	44.3	44.0	36.5	46.9	2.4	2.0	.230	.182	81	83	NNE	4	—	2	9	0	—	5.7	25	
26	.91	.93	40.0	38.2	33.9	49.0	2.0	1.8	.207	.195	84	85	—	3	—	3	0	0	—	8.1	25	— a. Fine and sunny.
27	.77	.70	50.0	49.0	36.7	51.7	1.0	0.6	.334	.332	93	96	ENE	7	NE	10	10	10	.010	0.2	26	Cloudy and threatening.
28	.62	.53	49.8	47.0	46.5	51.0	1.5	1.0	.320	.298	89	93	E	5	—	2	10	10	.147	—	44	● showers.
29	.68	.72	42.3	53.5	38.5	53.5	1.3	0.5	.242	.395	90	96	—	1	S	4	0	9	.355	5.2	31	Sunny a. Cloudy afternoon.
30	.78	.73	57.0	54.8	52.5	60.6	0.7	2.4	.443	.362	95	85	E	5	—	2	10	7	—	0.8	45	Mild and misty.
31	.60	.57	51.2	54.0	47.4	60.7	2.0	2.0	.325	.360	86	86	E	5	—	2	0	8	.270	4.7	42	Sunny day. ☞ 11p.
31	29.66	29.78	53.6	47.2	47.2	57.9	0.4	1.0	.400	.300	97	93	—	2	—	2	10	4	—	4.7	37	Cloudy a.
M.	29.737	29.734	52.3	52.2	47.6	58.6	1.7	1.4	.355	.364	89	90		5		4	6.4	4.7	2.339	102	41.6	

HILLINGTON, NORFOLK, a.b.—OCTOBER 1908.

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, +.021 in.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
30°08	30°05	65°8	59°7	52°7	76°8	1°8	0°8	'566	'485	89	94	S	2	S	1	0	0	—	9°1	—	Very fine and sunny.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'08	'08	63°6	55°6	48°0	78°8	0°9	1°0	'554	'412	94	93	SW	1	SW	1	0	0	—	8°7	—	Very fine, sunny, and warm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'11	'06	66°6	54°8	50°0	79°0	4°6	1°1	'487	'397	75	92	SW	1	SW	1	3	0	'01	9°2	—	Beautiful day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'14	'11	55°3	53°3	47°2	73°0	0°3	0°5	'428	'393	98	96	SE	3	SE	1	10	5	'01	4°7	—	≡ early. Fine and sunny.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'22	'23	57°6	48°8	48°2	61°8	2°4	0°7	'403	'327	85	95	SE	3	SE	2	8	0	'01	5°7	—	Fine and sunny.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'19	'11	55°2	47°8	43°7	64°3	2°6	0°4	'362	'323	83	97	SE	2	SE	2	3	3	'01	6°4	—	Overcast a. Fine and sunny p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'07	30°05	55°7	49°3	41°2	68°8	0°8	0°7	'419	'333	94	95	S	2	S	1	8	5	'01	8°9	—	Very fine and sunny.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
30°06	29°95	53°0	50°8	45°5	59°0	0°5	0°4	'388	'449	96	97	S	1	SW	2	10	9	—	—	≡ all day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
29°87	29°84	61°6	59°8	55°2	64°9	1°7	0°5	'489	'498	89	96	SW	2	SW	1	9	10	'20	—	—	Overcast and gloomy. ● n.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
29°82	30°00	54°8	48°3	62°3	62°3	0°3	0°5	'421	'327	98	96	SW	2	SW	1	10	0	'02	1°6	—	Overcast.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
30°14	'13	49°3	50°7	42°1	61°6	0°4	1°1	'342	'342	97	92	SW	1	SW	2	10	2	'01	6°3	—	Very fine and sunny.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'10	'30	51°8	52°3	46°0	64°8	0°3	0°6	'377	'375	98	96	SW	1	SW	1	10	0	'02	4°9	—	Misty a.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
30°00	29°95	52°6	54°6	47°4	56°0	0°4	0°4	'385	'415	97	97	SW	1	S	1	10	10	—	—	—	Misty a. Overcast and gloomy.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
29°94	'94	54°6	57°0	51°2	62°0	0°2	2°5	'421	'391	99	84	SW	1	S	2	1	9	—	4°2	—	Overcast ; improving later.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'99	'99	59°6	53°4	51°1	71°9	1°9	0°9	'449	'382	88	93	S	2	S	1	7	0	6°7	—	—	Very fine, sunny, and warm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
'97	'91	54°0	49°8	48°0	58°2	0°4	0°5	'406	'345	97	96	SE	2	SE	1	10	0	'25	—	40	—	Very dull.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
'90	'95	53°6	55°3	48°4	57°2	0°0	2°4	'412	'369	100	84	SE	2	SE	1	10	0	'04	—	—	41	—	Very dull and dreary.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
'99	'98	55°9	56°6	50°7	59°0	0°3	0°8	'437	'434	98	94	SE	1	SE	3	10	10	—	—	46	—	Very dull.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
'96	'99	52°6	52°8	52°0	57°4	0°6	2°1	'379	'343	96	85	SE	3	SE	4	10	8	—	—	51	—	Very dull.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
29°98	29°95	49°3	47°0	41°1	53°1	2°7	1°9	'285	'277	81	86	SE	4	SE	3	10	0	—	2°7	34	—	Overcast a. Fine and sunny p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
30°04	30°21	45°0	38°6	35°0	48°7	2°6	1°8	'241	'199	81	85	SE	3	SE	3	10	0	—	8°0	29	—	Very fine and sunny, but chilly.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
'41	'44	46°4	43°3	37°5	49°8	3°4	0°7	'238	'265	76	94	SE	2	SE	2	10	5	'01	1°4	31	—	Overcast a. Sunny p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
'32	'23	48°8	42°0	38°5	52°4	3°7	2°4	'258	'217	74	81	SE	2	SE	1	5	8	'33	4°3	36	—	Overcast a. Fitful sunshine.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
'09	'07	40°8	30°9	30°2	45°4	0°4	0°3	'246	'166	97	95	E	2	NE	1	9	5	'10	6°3	24	—	● early. Fine and sunny. ● p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
30°06	30°06	38°2	48°6	28°5	49°1	2°4	1°0	'185	'317	80	92	E	1	E	5	7	10	'06	0°9	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

\* Miles per hour.

† Beaufort Scale (0-12).



## SHREWSBURY, SHROPSHIRE.—OCTOBER 1908.

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.		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.	Min.	Max.	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.	60.4	60.9	53.6	76.6	0.4	0.6	in.	in.	%	%	SSE	1	S	†	†	ins.	hrs.	
2	29.91	29.89	60.4	60.9	53.6	76.6	0.4	0.6	in.	in.	%	%	SSE	1	S	†	†	ins.	hrs.	48
3	29.96	29.92	53.9	54.0	52.0	73.8	0.0	0.0	0.417	0.500	100	100	SSE	1	SSE	1	9	0	—	51
4	30.00	30.01	53.9	59.0	51.9	76.0	0.0	0.0	0.407	0.499	98	98	SSE	1	Calm	0	10	2	—	50
5	30.05	30.02	53.9	59.0	51.9	76.0	0.0	0.0	0.407	0.499	98	98	SSW	1	Calm	0	10	10	—	52
6	30.00	29.93	53.3	48.0	47.5	62.1	0.8	0.0	0.385	0.335	95	100	ESE	1	ESE	1	10	10	—	49
7	29.91	29.90	51.0	52.4	40.2	63.0	1.0	0.1	0.348	0.391	93	99	SE	3	W	1	10	2	—	44
8	29.85	29.73	50.0	61.2	52.0	63.0	1.0	1.7	0.467	0.484	94	90	SE	1	SE	1	4	10	—	39
9	29.74	29.70	56.0	51.1	51.1	62.0	1.8	0.4	0.397	0.365	88	97	SW	2	SW	3	10	10	06	53
10	29.66	29.62	53.7	49.0	45.9	63.5	1.7	0.9	0.364	0.325	88	94	SW	1	ESE	1	10	4	—	46
11	29.55	29.52	53.9	51.5	45.8	63.5	2.0	0.9	0.359	0.357	87	93	SW	1	W	1	6	7	01	40
12	29.89	29.85	56.1	48.8	48.8	63.9	2.1	0.0	0.390	0.345	86	100	SSE	2-3	SE	1	6	0	—	42
13	29.85	29.80	51.6	52.0	47.0	55.9	2.4	0.5	0.369	0.375	96	97	SE	1	SE	1	10	0	—	42
14	29.76	29.77	54.1	55.2	46.5	64.6	0.4	0.2	0.408	0.430	97	99	SE	2	SSE	1	8	0	—	42
15	29.82	29.80	57.5	57.8	53.4	70.3	1.0	2.2	0.443	0.412	94	86	SE	2	SE	1	8	5	01	44
16	29.77	29.73	57.9	56.0	55.0	62.3	2.9	1.9	0.394	0.394	82	88	SE	1	SE	1	9	10	01	49
17	29.75	29.77	54.7	54.6	53.0	59.0	0.3	0.6	0.410	0.409	98	96	SE	1	Calm	0	10	10	—	51
18	29.80	29.78	51.8	56.0	51.5	59.0	0.4	0.0	0.375	0.449	97	100	SE	3	Calm	0	10	10	—	49
19	29.76	29.74	55.0	57.1	53.0	57.3	0.0	0.1	0.433	0.404	100	99	SE	1	SE	3	10	10	70	47
20	29.75	29.70	52.6	49.0	48.9	57.2	0.2	0.5	0.392	0.335	99	97	SE	2	SE	4	10	10	24	55
21	29.81	29.79	45.5	37.1	36.3	49.2	0.6	0.3	0.292	0.215	96	97	SE	4	ESE	1	10	10	42	50
22	30.28	30.27	34.3	40.1	28.9	49.0	0.8	0.2	0.182	0.244	92	98	SE	1	ESE	1	10	0	01	32
23	30.23	30.21	41.0	43.0	34.7	49.0	0.3	0.4	0.250	0.268	98	97	NW	1	Calm	0	9	0	—	29
24	30.06	30.02	44.0	43.0	31.8	48.1	2.1	0.0	0.242	0.182	83	100	NW	2-3	Calm	0	10	0	—	34
25	30.05	30.06	34.5	30.9	29.0	50.0	2.3	0.2	0.155	0.215	77	98	Calm	0	Calm	0	0	0	—	28
26	29.88	29.82	45.4	49.0	35.6	51.1	0.4	1.0	0.294	0.322	97	93	N	3	SE	2-3	10	0	—	27
27	29.75	29.69	47.1	41.9	41.4	49.4	1.0	0.0	0.300	0.266	93	100	E	3	SE	2	10	10	03	31
28	29.84	29.80	37.0	32.1	34.0	47.0	1.0	0.4	0.200	0.406	91	97	S	1	SE	1	8	0	04	41
29	29.95	29.87	55.3	52.0	49.0	65.3	0.3	1.0	0.429	0.361	98	93	SE	3	SE	1	8	0	—	29
30	29.76	29.71	50.8	55.5	47.0	62.0	0.8	1.0	0.351	0.412	94	94	S	3	S	1	7	0	—	40
31	29.84	29.92	54.1	44.3	43.4	62.5	0.2	0.0	0.414	0.291	98	100	SSW	3	Calm	0	7	10	06	39
M.	29.889	29.878	51.3	50.8	45.5	60.6	0.9	0.5	0.365	0.368	94	96		1.7	1.1		8.5	5.2	1.59	42.4

## CAMBRIDGE, a.—OCTOBER 1908.

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	30.11	64.0	59.4	49.5	76.9	2.7	0.6	.502	.487	84	97	SE	2	SE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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† Beaufort Scale (0—12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—OCTOBER 1908.

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.		Air Temperature.					Humidity.			Wind Direction and Force (0—12) or Velocity (miles per hour).	
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## SOUTHAMPTON, HAMPSHIRE, a.—OCTOBER 1908.

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.		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.	Min.	Max.	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.	h.	Min.		
1	ins.	ins.	66.0	60.0	54.9	72.0	2.5	0.4	547	505	86	98	SE	2	SE	1	2	ins	hrs.		
2	30.09	30.07	66.0	60.0	54.9	72.0	2.5	0.4	547	505	86	98	SE	2	SE	1	2	0.000	0.000		
3	30.10	30.08	62.1	60.5	51.3	72.0	1.9	0.9	493	497	88	95	SE	1	SE	1	0.000	0	0	Δ a. and p. Very fine.	
4	30.10	30.08	65.0	60.9	54.8	72.0	4.0	1.6	478	481	78	91	SE	2	SE	2	0	0	0	Δ a. and p. Very fine.	
5	30.15	30.15	59.9	60.1	50.0	76.7	2.0	0.6	452	500	88	96	Calms	0	SW	1	0.000	0	0	Δ a. and p. Very fine.	
6	30.17	30.17	60.8	55.4	50.5	69.0	0.9	0.9	503	413	94	95	SE	1	NE	3	2	0	0	Δ a. and p. Very fine.	
7	30.15	30.09	58.0	53.2	52.9	65.5	3.1	1.8	390	355	81	88	NE	1	NE	2	1	0	0	Δ a. and p. Fine.	
8	30.07	30.09	54.3	58.1	46.7	61.3	0.3	0.1	413	480	98	99	NE	1	SE	2	10	10	10	Δ a. and p. Fine.	
9	30.06	29.96	60.2	62.1	57.7	64.0	0.6	1.5	502	506	97	91	SE	2	SE	1	10	8	0	Misty, then fine.	
10	29.93	29.87	60.2	58.2	57.9	63.4	0.2	0.2	515	479	99	99	SW	1	NW	1	10	10	10	Δ a. and p. Fine.	
11	29.91	30.06	58.5	56.0	51.1	65.0	1.4	0.7	446	428	91	95	WNW	2	WNW	2	2	0	0	● showers 5a.-9a. ● from 3p	
12	30.22	30.16	55.2	55.3	43.7	63.3	1.3	0.7	398	417	91	95	Calms	0	S	1	2	0	0	Δ a. and p. Fine.	
13	30.09	30.01	58.2	55.0	48.8	64.9	1.3	1.3	445	395	91	91	SE	1	SE	1	0	0	0	Misty a. Fine. Δ p.	
14	30.00	29.97	59.7	56.2	54.7	63.3	1.8	1.1	455	419	89	93	SE	3	SE	1	10	1	0	Δ a. and p. Fine.	
15	29.96	29.97	52.3	55.0	47.2	65.4	0.3	0.4	384	421	98	97	SE	1	SE	1	10	1	0	Δ a. and p. Fine.	
16	29.97	29.93	59.1	60.0	49.4	66.5	1.5	3.0	454	423	91	82	SE	1	SE	2	5	0	0	Δ a. and p. Fine.	
17	29.90	29.85	62.8	59.5	58.3	68.0	4.7	1.9	420	448	74	89	SE	2	SE	2	5	8	0	Δ a. and p. Fine.	
18	29.90	29.91	59.0	53.1	53.1	65.4	1.1	0.7	464	385	93	95	Calms	0	SE	2	5	0	0	Δ a. and p. Fine.	
19	29.91	29.92	57.9	57.2	56.8	60.8	0.9	0.9	452	439	94	89	SE	2	SE	5	10	10	10	Δ a. and p. Fine.	
20	29.90	29.89	54.8	52.9	51.8	57.7	1.8	0.6	378	384	88	96	SE	4	SE	3	10	10	10	Δ a. and p. Fine.	
21	29.90	30.14	49.8	41.6	41.3	54.8	1.5	3.2	320	200	89	77	E	3	NE	4	10	0	0	● 10.30 a. and 4p.-5p.	
22	30.32	30.36	43.5	42.0	35.2	52.4	2.5	1.9	229	227	80	86	NE	4	NE	3	0	0	0	● 6a. Cold wind. Δ p.	
23	30.32	30.26	44.9	42.5	39.5	51.0	1.8	1.5	257	239	87	88	NE	4	NE	4	5	0	0	Δ a. Fine, but with cold wind	
24	30.15	30.10	43.5	34.5	34.4	48.9	1.4	1.5	251	170	89	84	N	3	NE	3	8	0	0	Fair.	
25	30.13	30.08	40.2	45.7	33.2	47.9	3.2	4.0	187	222	75	72	NE	3	NE	4	0	4	0	● 11a. and 2.30p. Cold wind	
26	29.87	29.90	50.1	44.1	44.1	52.4	0.7	0.9	344	269	95	93	NE	3	NE	2	10	0	0	Δ a. Fine.	
27	29.80	29.91	44.2	36.5	36.4	47.0	1.2	0.3	263	210	91	97	SE	4	NW	2	9	0	0	Dull, with ● showers. Δ p.	
28	30.03	30.15	58.0	58.2	34.5	62.3	0.8	0.7	457	464	94	96	SW	2	SE	2	10	9	0	● showers a. ● 6.30 p.	
29	30.15	30.01	57.9	56.0	53.4	65.0	1.9	1.9	422	394	88	88	SE	3	SE	2	2	0	0	Δ a. and p. Fine.	
30	29.93	29.93	57.8	55.7	50.9	63.2	1.8	1.7	424	440	88	89	SE	2	SE	2	0	10	0	Fine and mild.	
31	30.03	30.09	56.9	55.0	54.4	63.8	1.3	0.8	424	409	92	94	SW	2	SE	2	10	10	0	Fine and mild.	
M.	30.039	30.036	55.8	53.6	48.3	62.3	1.6	1.3	408	389	89	91		2.1	2.2	5.4	3.6	1.684	125	42.3	

## PLYMOUTH, DEVONSHIRE, a.—OCTOBER 1908.

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	29.99	30.00	66.1	63.0	58.2	75.2	2.2	1.1	56.0	53.7	87	93	SE	5	NE	8	0	0	—	9.1	53	Exceptionally warm and humid.	
2	29.99	30.00	67.9	63.1	57.3	78.1	3.1	2.0	56.4	56.8	82	88	SE	10	NE	12	3	0	—	10.3	51	Exceptionally warm and humid.	
3	29.98	30.03	62.4	60.0	59.8	73.4	1.2	0.3	52.1	50.8	93	98	NE	13	E	9	4	0	—	9.6	53	Exceptionally warm and humid.	
4	30.09	30.10	60.9	65.2	59.7	73.1	2.1	6.1	46.6	41.9	88	68	—	0	SE	6	3	0	—	9.9	46	Exceptionally warm and humid.	
5	30.06	30.04	64.0	60.9	52.7	70.0	3.0	5.3	49.2	47.3	82	71	E	14	ENE	23	3	10	—	9.4	50	Exceptionally warm and humid.	
6	30.01	30.01	61.0	57.2	56.8	69.1	1.0	0.3	50.3	45.9	94	98	SE	17	ESE	11	9	10	—	4.1	57	Sunny intervals.	
7	30.01	30.01	55.0	59.9	54.4	62.9	0.1	1.2	43.0	47.7	99	93	SE	6	SE	8	10	10	—	4.6	57	Overcast and dry.	
8	29.95	29.85	61.0	61.1	58.0	63.9	1.0	1.0	50.3	50.4	94	94	SE	17	S	18	10	9	30	0.7	57	Fine.	
9	29.88	29.85	57.4	54.7	54.3	62.8	1.1	0.8	43.8	40.6	93	95	—	1	—	1	10	8	—	0.1	45	● early a. Dull and dry.	
10	29.85	30.04	60.0	54.3	51.0	64.1	2.2	1.3	44.7	38.4	87	91	SW	12	NW	7	5	0	—	6.7	44	Sunny intervals.	
11	30.14	30.07	58.1	55.2	45.3	62.1	2.9	1.1	39.8	40.4	81	93	S	12	SE	12	7	2	—	8.9	41	Fine and sunny.	
12	29.97	29.89	60.5	56.2	54.9	63.8	2.6	0.9	44.3	42.8	84	94	SE	18	E	15	3	0	—	9.8	49	Fine and sunny.	
13	29.88	29.91	61.2	56.6	54.9	64.0	1.9	1.6	47.7	41.1	89	89	ESE	8	—	2	5	9	—	4.1	49	Sunny intervals.	
14	29.85	29.87	58.5	59.0	50.2	67.0	0.6	2.1	47.1	43.3	96	87	NE	10	E	7	3	10	—	2.1	44	Fine.	
15	29.85	29.82	60.2	61.3	56.2	62.0	1.2	1.9	48.2	47.9	93	88	E	14	E	11	10	10	—	2.7	0.8	45	● showers.
16	29.78	29.86	60.4	58.0	57.9	62.7	1.3	0.7	48.2	47.2	93	95	SE	7	SE	6	8	10	—	0.9	0.7	52	● showers.
17	29.83	29.86	57.7	58.0	55.8	63.1	0.9	1.2	45.0	44.5	95	92	S	5	E	14	9	9	—	7.0	3.2	50	Dull and unsettled.
18	29.82	29.83	59.1	58.0	57.1	61.0	0.2	0.1	49.6	47.9	98	99	S	12	—	0	10	10	—	0.1	0.6	51	●
19	29.82	29.83	59.0	58.6	56.2	64.4	0.8	1.2	47.4	45.4	95	93	SE	5	S	6	10	6	—	—	58	Dull and dry.	
20	29.76	29.76	59.0	57.1	51.7	60.8	1.3	0.2	45.8	46.1	92	98	S	14	S	10	8	8	4.6	1.4	46	● showers. Sunny intervals.	
21	29.80	30.03	54.0	46.0	45.8	59.3	0.9	4.1	39.1	22.3	94	72	—	3	NE	11	10	8	—	0.4	44	Fine.	
22	30.21	30.24	43.4	45.9	38.8	60.0	3.4	3.1	21.1	24.2	75	79	NE	18	NE	11	2	0	—	8.4	37	Fine and sunny. Cold n	
23	30.10	30.12	44.8	43.0	39.2	48.7	2.8	4.4	22.6	24.3	73	71	N	7	NE	6	3	0	—	8.0	39	Fine and sunny.	
24	30.10	30.12	44.8	43.0	39.2	48.7	2.8	4.4	22.6	24.3	73	70	N	7	NE	13	10	0	—	1.7	33	Dull a. Fine afternoon.	
25	29.88	29.79	46.9	43.7	33.6	49.8	4.7	3.9	20.2	20.4	67	72	ENE	12	N	9	2	0	—	8.8	25	— a. Fine and sunny.	
26	29.82	29.82	45.2	46.3	43.3	49.5	2.1	3.7	25.3	23.3	85	73	NNW	15	E	12	10	7	0.1	—	35	Overcast, dull, and cold.	
27	29.93	30.02	57.7	58.8	44.1	59.8	0.5	1.9	45.8	43.5	95	75	N	5	N	5	7	8	0.1	1.2	37	Fine.	
28	29.93	29.90	58.2	55.7	53.3	64.7	1.9	1.8	42.7	39.3	88	88	E	10	E	15	7	3	—	6.9	48	Overcast, with ● showers.	
29	29.03	29.90	58.2	55.7	53.3	64.7	1.9	1.8	42.7	39.3	88	88	E	10	E	15	7	3	—	6.9	48	Fine and sunny.	
30	29.78	29.83	60.3	57.0	55.7	61.0	2.5	0.2	44.3	45.9	85	99	E	11	SE	12	3	10	—	0.5	3.6	50	Fine and sunny.
31	29.97	30.00	50.7	53.4	43.7	61.7	0.3	3.1	36.2	39.6	98	81	—	1	SE	4	10	0	—	0.1	4.8	39	Sunny intervals.
M.	29.946	29.954	56.8	56.0	51.0	62.7	1.8	2.1	42.1	40.1	88	87		10	—	6.7	5.1	1.96	135	45.6			

\* Miles per hour.

† Beaufort Scale (0—12).

‡ No Record.

## ARMAGH, a.—OCTOBER 1908.

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.		
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## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHOENIX PARK), a.—OCTOBER 1908.

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 Station Level.		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.	Min.	Max.	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.							in.	in.	%	%	*	*			ins.	hrs.	°				
2	29.87	29.93	63.4	52.7	51.0	72.8	3.9	0.1	454	395	78	99	NNW	4	—	0	5	0.03	—	8.2	44	Fine.	
3	29.93	29.96	62.7	54.3	52.1	69.9	0.9	0.1	539	416	95	98	NE	4	—	0	8	0.03	—	5.9	45	Fine.	
4	30.05	30.06	65.3	52.5	50.8	68.6	2.3	0.1	541	393	87	99	—	2	—	1	0	0.05	0.05	9.3	45	Fine and bright.	
5	30.04	29.95	58.2	59.2	48.3	63.7	0.4	0.5	473	487	98	97	WSW	4	—	1	10	6	—	0.2	45	Fine, but overcast. $\equiv n$ .	
6	29.91	29.89	62.0	57.1	54.9	65.6	0.1	2.2	443	473	99	87	E	6	ESE	8	10	—	—	3.1	50	Cloudy.	
7	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	N	5	—	2	9	5	0.05	0.2	49	Overcast. $\odot p$ .	
8	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	S	5	SE	5	9	9	0.165	0.5	46	Overcast.	
9	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	11	8	12	10	10.0	0.05	0.1	55	5.40a.-7a. Overcast.	
10	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SW	10	SW	14	8	3	0.05	0.1	55	Cloudy.	
11	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SSW	12	8	13	5	10	0.17	5.4	39	$\odot p$ .	
12	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	10	—	3	9	1	—	1.5	47	Cloudy.	
13	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	3	—	2	5	8	—	5.8	40	Fine, but cloudy.	
14	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SSE	4	—	1	4	8	—	6.5	38	Fine, but cloudy.	
15	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	2	—	1	2	10	0.18	3.4	41	Cloudy.	
16	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	2	—	2	10	10	0.228	0.6	36	5.40a.-6.40a. Overcast.	
17	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	ESE	4	—	1	10.0	10	0.125	—	52	Overcast.	
18	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	5	SE	9	2	2	0.115	8.6	43	Fine and sunny.	
19	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	0	—	0	10	0.03	0.065	3.1	37	2a. Cloudy. 7.10p.-9.45p.	
20	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	5	SE	8	6	2	0.157	6.6	34	Cloudy.	
21	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	5	—	3	10	5	0.273	0.4	47	a. Cloudy.	
22	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	0	—	0	10	—	—	0.4	38	2a. early a. Fine, but cloudy.	
23	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	6	SE	4	3	0	—	8.7	32	Beautiful day.	
24	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	0	—	0	9	10	—	0.5	27	Overcast.	
25	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	1	—	1	0	0	—	—	33	Fine, but overcast.	
26	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	E	4	ENE	10	10	10	0.10	0.2	26	Fine and sunny.	
27	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	ENE	5	—	1	8	10	—	2.5	41	Cloudy.	
28	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	1	—	2	10	10	0.145	0.1	28	a. and p.	
29	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	4	E	6	9	10	—	0.8	47	Overcast.	
30	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	SE	16	—	2	9	1	0.075	0.4	38	Overcast. $\odot p$ .	
31	29.91	29.88	63.2	58.7	53.5	63.9	3.7	2.2	457	426	79	86	—	0	—	1	2	3	—	6.2	29	Fine, but cloudy.	
M.	29.878	29.878	55.2	52.2	46.1	60.7	2.0	1.2	388	365	87	92	5	4	7.3	5.5	1.418	109	40.1				

## BIRR CASTLE, KING'S COUNTY, a.b.—OCTOBER 1908.

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.

1	29.81	29.81	61.7	60.9	57.2	66.8	1.6	1.0	.495	.501	91	94	S	2	S	1	10	10	.003	0.2	—	● showers.
2	.84	.87	61.9	61.5	55.4	67.7	1.5	1.6	.503	.493	91	90	S	2	SE	2	8	7	—	3.6	—	Cloudy.
3	29.86	29.90	64.7	61.7	58.4	73.5	2.0	1.5	.539	.499	88	91	Calm	0	SSE	2	3	4	.003	9.4	—	—
4	30.00	30.00	61.5	58.7	57.4	64.7	0.8	0.6	.519	.475	95	97	S	1	Calm	0	10	6	—	—	—	Overcast.
5	29.95	29.86	59.7	61.7	51.0	65.0	0.7	0.7	.489	.523	96	96	Calm	0	SE	2	3	10	—	2.0	—	Cloudy.
6	.82	.80	60.1	60.7	58.6	66.2	1.2	1.7	.481	.474	92	90	SSE	3	S	3	10	10	—	4.3	—	Gloomy a.
7	.82	.76	59.9	59.7	57.1	64.9	0.8	2.5	.490	.433	96	85	S	1	SSE	3	10	10	.168	3.2	—	● showers.
8	.59	.48	59.9	57.9	56.8	61.7	1.0	3.4	.484	.382	94	79	SSE	4	SSE	5	10	10	.054	0.7	—	Overcast, with ●.
9	.62	.52	55.7	56.5	46.2	60.9	2.8	2.7	.366	.378	82	83	S	2	S	6	3	6	.003	7.5	—	—
10	.63	.79	54.3	52.9	49.5	58.1	1.9	1.9	.368	.348	87	87	SW	3	SW	1	4	10	—	3.8	—	Cloudy.
11	.80	.70	57.0	57.7	49.8	60.4	2.3	2.9	.397	.392	85	82	S	3	SW	5	8	10	—	1.2	—	Cloudy and squally.
12	.67	.71	60.1	54.3	50.2	63.9	2.9	2.1	.428	.363	82	85	S	3	SSE	2	9	0	.003	4.4	—	Cloudy.
13	.72	.70	58.7	58.7	50.2	63.7	2.4	1.0	.404	.462	84	94	SSE	2	SSE	1	7	10	—	8.2	—	—
14	.63	.78	58.7	49.5	47.0	61.7	0.9	2.5	.465	.292	95	83	S	2	SW	1	9	10	—	6.5	—	—
15	.80	.71	49.7	59.7	40.2	60.7	0.6	1.6	.340	.460	96	91	Calm	0	SW	1	9	10	—	4.71	0.2	● showers.
16	.62	.61	59.6	54.7	52.8	61.9	0.9	1.8	.482	.377	94	88	Calm	0	S	2	10	10	.014	0.2	—	● a. Overcast.
17	.64	.66	55.7	54.6	52.6	63.5	0.3	1.6	.435	.380	98	89	SSE	1	S	2	3	8	.020	5.4	—	● showers.
18	.71	.72	50.7	46.9	45.6	59.1	0.6	0.7	.354	.304	96	95	SSE	1	SE	2	9	4	—	5.8	—	Cloudy.
19	.65	.56	54.8	57.5	44.6	59.1	1.8	1.6	.378	.425	88	89	SE	3	S	6	10	10	.520	2.5	—	Cloudy.
20	.53	29.48	56.8	54.9	54.0	58.7	0.6	0.8	.443	.408	95	95	S	1	SE	2	10	10	.090	0.3	—	● n. ● showers.
21	29.72	30.01	53.7	52.4	47.1	58.7	1.1	2.2	.381	.335	92	85	S	1	S	1	7	4	—	7.4	—	—
22	30.22	.22	40.9	39.7	38.1	54.7	3.0	0.7	.253	.230	80	94	S	1	Calm	0	6	10	—	2.5	—	Cloudy.
23	.22	.18	40.3	45.7	35.1	53.6	0.4	3.7	.242	.227	97	74	Calm	0	SSE	2	7	10	—	5.6	—	—
24	.13	.06	44.4	41.6	37.2	47.9	1.6	1.5	.257	.231	88	89	Calm	0	Calm	0	9	10	—	0.3	—	Cloudy.
25	.04	30.10	45.7	38.1	39.4	51.7	2.7	1.2	.247	.205	81	89	SSE	1	Calm	0	3	10	.033	4.3	—	Cloudy, with ●.
26	30.03	29.83	38.6	50.9	30.0	51.5	0.7	0.8	.221	.351	95	95	SSE	1	Calm	0	8	10	—	2.8	—	Cloudy.
27	29.74	.70	50.7	41.3	39.8	56.1	0.8	1.2	.350	.234	94	91	E	2	Calm	0	9	7	—	4.1	—	Cloudy.
28	.75	.74	45.7	56.7	34.2	57.0	0.5	1.0	.295	.430	96	94	SE	1	SSE	1	10	7	.156	0.4	—	Overcast, with ●.
29	.81	.69	57.6	56.9	45.2	59.7	0.3	1.0	.466	.433	98	94	S	2	SSE	4	10	10	.015	1.3	—	● showers.
30	.49	.71	57.7	57.5	47.4	60.0	0.9	1.4	.450	.430	95	91	SE	5	S	2	10	7	.010	0.7	—	● showers.
31	29.82	29.87	49.7	52.7	41.8	58.1	0.8	1.2	.336	.395	94	92	SSE	1	SSE	2	6	6	.004	6.3	—	—
M.	29.795	29.791	54.6	54.0	47.3	60.4	1.3	1.6	.399	.382	91	89	1.6	2.0	7.7	8.1	1.567	105	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0—12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—OCTOBER 1908.

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.
1	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.	D. V.	D. V.	D. V.	D. V.	D. V.	Hour.
2	14, 4	14, 4	14, 7	7	— 2	12, 8	19, 6	— 3	14, 10	15	— 3	14, 9	14, 5	— 3	14, 9	13
3	10, 4	— 3	14, 7	14	— 2	26, 4	— 2	— 1	8, 5	15	— 2	13, 5	— 2	13, 4	15, 13, 5	5, 12, 13
4	17, 5	— 2	25, 11	23	21, 7	19, 10	19, 8	21, 6	19, 11	10	— 0	13, 4	13, 4	19, 4	13, 7	12, 15
5	28, 18	29, 12	25, 27, 21	8, 9	24, 12	26, 12	27, 7	6, 12	24, 12	9	23, 5	24, 7	— 1	— 3	24, 7	13-15
6	12, 17	13, 15	14, 19	22, 23	8, 7	12, 14	13, 12	14, 13	12, 14	13	5, 13	6, 11	6, 15	8, 20	8, 20	21
7	15, 13	15, 8	14, 18	1, 7, 8	17, 16	18, 18	16, 4	16, 5	18, 19	10, 12	11, 17	11, 15	11, 14	11, 13	10, 19	19
8	17, 13	17, 4	16, 11	11, 7	21, 6	— 2	21, 6	— 2	20, 19	7	13, 4	13, 9	14, 5	15, 4	13, 11	14, 15
9	13, 15	13, 16	13, 21	21	21, 12	19, 18	10, 17	15, 19	20, 12	12	— 1	15, 10	16, 7	16, 9	15, 11	22, 23
10	15, 12	15, 16	14, 24	4	17, 7	20, 11	20, 9	— 3	21, 15	23	20, 7	21, 5	— 2	— 2	22, 10	12
11	16, 16	20, 18	14, 23	1	20, 18	22, 15	22, 9	21, 10	20, 20	8	26, 7	23, 6	21, 4	21, 5	26, 8	7, 8
12	18, 21	17, 18	16, 26	4	20, 15	21, 23	18, 7	19, 15	21, 23	12, 13	23, 6	21, 7	16, 7	18, 8	19, 10	11
13	16, 21	17, 13	17, 20	4	18, 14	20, 18	18, 11	18, 7	18, 18	11	16, 5	14, 8	12, 9	10, 8	10, 10	19, 20
14	15, 15	15, 9	15, 15	13	18, 10	19, 10	19, 10	19, 14	19, 14	21, 22	— 2	— 3	— 3	14, 4	15, 7	15, 16
15	15, 18	17, 10	14, 21	5, 6	19, 9	18, 11	19, 7	19, 4	19, 12	5	8, 7	24, 9	— 2	26, 4	24, 9	13, 14
16	2, 4	5, 7	30, 9	4, 5, 6	— 2	— 2	— 3	— 1	10, 7	12	21, 4	11, 6	11, 7	14, 6	11, 10	17
17	13, 15	13, 21	14, 23	24	— 1	11, 10	13, 12	13, 9	13, 12	19	10, 16	10, 12	8, 10	11, 15	10, 16	9
18	13, 20	13, 26	12, 32	20, 21	12, 9	12, 15	12, 8	12, 13	12, 15	12, 13, 24	10, 18	9, 20	8, 5	8, 5	9, 20	13
19	13, 32	13, 33	13, 35	22	12, 15	12, 18	12, 16	12, 22	12, 23	22	8, 12	9, 14	10, 21	10, 23	11, 24	23
20	13, 34	14, 32	13, 34	21, 24	12, 24	12, 25	13, 23	13, 19	12, 26	10, 11, 15	10, 26	10, 26	10, 30	11, 31	11, 31	21
21	14, 31	14, 30	13, 36	8, 16, 17, 24	13, 21	13, 21	13, 21	15, 24	15, 24	21	10, 29	11, 22	11, 28	11, 29	9, 11, 29	7, 22
22	15, 23	16, 18	15, 29	10	14, 21	12, 27	12, 21	12, 17	12, 27	13	9, 34	8, 31	8, 35	8, 32	7, 37	17
23	16, 12	16, 7	16, 15	2, 8, 11	17, 7	12, 12	10, 12	11, 12	12, 15	2	8, 26	7, 21	6, 22	4, 19	8, 34	5
24	16, 18	16, 16	15, 21	6	9, 9	6, 4	— 2	5, 4	10, 15	2	3, 11	3, 11	3, 19	2, 15	3, 19	17, 18
25	16, 15	17, 8	17, 21	11	8, 22	8, 14	4, 7	4, 10	8, 22	8, 9	6, 29	5, 23	4, 12	5, 18	6, 32	7, 8
26	8, 12	9, 15	11, 16	23, 24	31, 4	4, 32	8, 1	8, 32	9, 6, 32, 4	2, 22, 24	2, 20	1, 17	1, 23	2, 26	2, 26	21
27	11, 21	11, 21	11, 23	10, 16, 21	6, 17	6, 12	7, 18	8, 17	7, 18	19, 24	6, 29	8, 19	7, 16	8, 19	5, 34	7
28	13, 10	23, 5	10, 21	3	8, 21	9, 18	10, 18	10, 21	8, 10, 21	5, 7, 9, 21, 22	10, 24	13, 20	13, 29	16, 11	12, 30	12
29	15, 4	15, 4	12, 13	23, 24	20, 12	20, 14	18, 9	17, 7	20, 15	8	16, 7	17, 9	16, 7	18, 6	17, 10	12
30	12, 22	12, 19	12, 26	19	13, 10	15, 11	13, 7	19, 10	13, 11	12	16, 7	15, 7	15, 8	14, 6	15, 10	12
31	— 2	15, 6	15, 13	1	— 2	— 2	— 2	26, 6	20, 12	6	— 2	24, 4	— 0	7, 12, 4	15, 5	5



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

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.
1	21, 4	26, 5	16, 8	11	12, 12	15, 7	19, 4	— 1	16, 18	2	— 12	— 6	— 7	— 8	—	hr. min.
2	19, 4	— 2	3, 19, 4	10, 13, 14	16, 10	9, 12	9, 5	9, 4	13, 14	4, 15	— *	— 8	— 8	— 14	—	9. 20
3	— 4	24, 4	24, 4		13, 7	10, 11	14, 4	14, 6	13, 12	15	— 17	— *	— *	— *	—	22. 55
4	23, 7	26, 5	7, 12	22	25, 4	15, 7	— 3	12, 4	25, 9	4	—	— 4	— 5	— 4	—	*
5	6, 9	6, 9	7, 12	4	10, 10	13, 14	14, 11	15, 12	15, 18	23	—	— 15	— 21	— 23	—	*
6	21, 4	14, 4	10, 7	8	15, 15	16, 15	18, 4	14, 13	16, 23	11	—	— 12	— 13	— 15	—	36 16. 45
7	21, 5	19, 4	17, 8	9	15, 8	16, 13	16, 12	15, 10	16, 16	24	—	— 12	— 13	— 18	—	22 15. 40
8	13, 6	12, 4	17, 12	24	15, 16	15, 21	15, 29	16, 16	15, 32	16, 17	—	— 29	— 34	— 31	—	33 23. 20
9	18, 14	16, 7	18, 16	14, 23	16, 12	16, 20	17, 17	17, 12	16, 20	11, 13, 15	—	— *	— *	— *	—	43 15. 10
10	21, 16	22, 11	20, 16	11, 13	20, 16	21, 9	21, 10	20, 12	22, 21	11	—	— *	— *	— *	—	*
11	20, 17	19, 15	20, 17	10, 12, 13, 19	17, 13	18, 16	17, 16	17, 17	17, 26	23	—	— 24	— 28	— 27	—	35 18. 30
12	20, 16	16, 10	19, 17	8	16, 11	15, 12	16, 6	14, 5	16, 18	1	—	— 25	— 23	— 23	—	32 1. 30
13	18, 6	17, 5	18, 8	14	14, 7	15, 14	17, 7	14, 6	15, 14	13	—	— 12	— 14	— 13	—	40 4. 20
14	18, 13	19, 5	18, 14	12	15, 10	18, 7	17, 6	26, 4	16, 13	4, 5, 7	—	— 7	— 10	— 4	—	20 0. 15
15	— 2	18, 6	7, 9	20, 23	— 2	— 0	— 0	10, 9	10, 9	21	—	— 10	— 16	— 16	—	25 16. 30
16	8, 9	10, 10	10, 10	18	15, 14	15, 19	15, 11	15, 13	13, 20	11	—	— 2	— 7	— 9	—	17 20. 50
17	9, 5	10, 6	6, 9	7	16, 10	12, 15	12, 16	22, 10	22, 21	21	—	— 11	— 24	— 16	—	36 15. 10
18	10, 5	10, 7	8, 10, 7	2, 6	14, 8	— 2	11, 4	— 0	16, 18	1	—	— 3	— 17	— 24	—	*
19	9, 9	8, 8	10, 10	16, 24	14, 6	12, 15	14, 12	14, 14	12, 16	14	—	— 22	— 28	— 29	—	40 19. 20
20	12, 10	11, 8	12, 12	14	15, 15	13, 12	15, 15	15, 15	14, 29	3	—	— 14	— 17	— 24	—	34 18. 25
21	9, 9	8, 9	9, 12	10	— 2	13, 13	14, 7	14, 13	16, 15	1	—	— 4	— 17	— 24	—	*
22	11, 5	— 3	7, 14, 6	1, 14	19, 5	15, 10	15, 8	16, 10	14, 12	11, 23	—	— 15	— 24	— 14	—	28 12. 50
23	11, 4	— 2	11, 4	13	12, 10	14, 8	12, 7	— 2	13, 11	10, 11	—	— 15	— 11	— 15	—	26 1. 5
24	8, 5	8, 4	9, 7	12	24, 11	25, 7	22, 8	10, 4	10, 12	22	—	— 6	— 2	— 3	—	16 8. 15
25	— 2	— 3	— 3	18	18, 5	18, 4	— 2	9, 10	8, 10	21, 23, 24	—	— 14	— 11	— 7	—	20 11. 30
26	7, 10	7, 11	7, 15	24	5, 19	5, 20	8, 26	8, 26	8, 29	20, 22	—	— 8	— 11	— 11	—	26 23. 35
27	7, 11	7, 11	7, 15	5	12, 10	12, 13	14, —	1, 8	8, 23	1	—	— 9	— 12	— 6	—	24 0. 25
28	21, 4	15, 5	6, 7	1, 2	19, 4	15, 18	16, 11	17, 8	15, 18	13	—	— 22	— 27	— 17	—	35 12. 45
29	5, 4	10, 5	6, 7	23	16, 11	12, 10	12, 19	15, 8	12, 19	18	—	— 14	— 18	— 18	—	33 23. 30
30	8, 4	12, 6	7, 11	8	15, 17	16, 17	28, 6	— 2	16, 24	7	—	— 30	— 10	— 3	—	44 10. 15
31	21, 5	— 2	21, 10	14	— 0	13, 7	15, 9	— 2	16, 10	16, 19	—	— 11	— 13	— 20	—	29 23. 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), 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.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.	51.0	47.4	46.8	53.6	1.0	0.3	34.8	31.9	93	98	S	4	—	2	8	10.0	ins.	3.6	°	Very fine. Visibility.			
2	29.93	29.96	48.8	49.2	46.0	49.2	1.0	0.2	32.1	34.5	93	99	SE	12	SE	12	10	10.0	—	—	—	Dull a. m. p.			
3	29.94	29.95	49.7	49.2	48.0	50.2	1.0	1.2	33.1	31.9	93	92	SE	14	ESE	10	10	9	—	—	—	Mild and muggy.			
4	29.98	30.02	49.0	45.0	43.6	49.6	2.0	2.2	29.8	24.9	86	84	ESE	9	ESE	16	6	10	32	0.1	—	Fair and dry.			
5	29.99	29.99	45.0	43.8	42.6	45.8	1.2	1.0	27.1	26.4	91	92	SE	16	ESE	15	10.0	10.0	18	—	—	—	● <sup>0</sup> all day.		
6	30.02	29.97	44.5	45.2	42.4	45.2	3.5	3.6	21.9	22.4	74	75	SE	15	SE	9	10	10.0	—	—	—	Dull, cold, and dry.			
7	29.84	29.84	47.5	44.2	41.7	40.2	2.5	3.2	23.6	20.1	81	77	E	8	E	4	10	2	0.3	—	—	—	Fine all day.		
8	29.70	29.61	42.6	44.6	39.5	46.2	2.6	1.6	21.9	25.8	81	88	—	1	SSW	5	9	10	—	—	—	—	Fine all day.		
9	29.61	29.63	43.0	42.4	40.4	45.8	1.9	2.4	23.6	22.1	85	82	W	4	SW	6	9	8	—	—	—	—	Fine all day.		
10	29.58	29.47	41.2	43.1	40.2	45.8	1.4	3.7	22.9	20.3	89	73	SW	8	S	9	8	7	—	—	3.6	—	⊕ a. ⊕ p.		
11	29.48	29.31	45.0	50.0	40.7	50.0	2.4	1.0	24.5	33.4	82	93	SW	4	SE	25	3	10	4.0	1.9	—	—	Very fine a. ● <sup>0</sup> from 11 p.		
12	29.36	29.59	48.2	47.0	41.8	51.3	2.2	1.5	28.3	28.7	85	90	SW	15	S	7	1	1	—	6.2	—	—	—	● <sup>0</sup> till 3 a. Fine p.	
13	29.47	29.68	46.3	48.5	45.4	49.8	2.3	2.2	26.1	28.7	84	84	SSW	21	S	12	1	3	0.35	5.2	—	—	—	Very fine p. ⊕ p.	
14	29.77	29.88	47.5	47.3	44.8	49.8	1.7	1.8	28.7	28.3	88	88	S	7	S	12	6	8	—	2.9	—	—	—	Very fine. Rough sea.	
15	29.84	29.67	48.6	49.3	46.0	49.6	3.6	2.3	25.8	29.4	75	84	S	22	S	21	10	10	—	—	—	—	—	Dull and breezy. Rough sea.	
16	29.54	29.38	49.4	42.2	40.8	50.6	1.6	3.4	31.2	20.2	90	76	SW	15	WSW	32	10	1	26.5	0.7	—	—	—	● <sup>0</sup> showers p.	
17	29.41	29.72	41.0	41.2	38.8	45.6	2.0	3.6	21.5	18.9	84	73	W	27	WNW	17	3	1	5.0	1.0	—	—	—	● <sup>0</sup> showers all day. ⊕	
18	29.50	29.42	49.0	42.2	39.0	49.0	1.0	1.2	32.2	24.3	93	90	WSW	23	NNE	15	10	5	2.5	0.3	—	—	—	● <sup>0</sup> showers all day.	
19	29.71	29.85	37.2	36.2	32.8	42.8	1.0	2.4	20.2	17.0	91	79	NW	23	WNW	10	8	8	5.5	2.0	—	—	—	● <sup>0</sup> a. ▲ showers p.	
20	29.58	29.45	37.0	41.0	34.6	44.8	2.6	1.0	17.2	23.5	78	92	S	12	N	27	10	4	3.7	—	—	—	—	● <sup>0</sup> a. ● <sup>0</sup> 10 a.-2 p.	
21	29.48	29.18	41.0	42.8	39.0	43.6	1.5	1.4	22.5	24.5	88	89	W	13	S	4	10	10	3.8	—	—	—	—	● <sup>0</sup> till 6 p.	
22	29.73	29.65	46.0	42.0	40.0	48.0	3.0	1.2	24.4	24.1	79	91	W	23	N	19	5	10.0	3.6	1.2	—	—	—	● <sup>0</sup> till 2 p., and 3 p.-5 p.	
23	29.22	29.72	39.0	39.5	36.2	43.2	3.2	3.5	17.8	17.6	76	73	NW	27	S	6	3	7	0.6	3.2	—	—	—	Fair p.	
24	29.08	29.08	48.0	42.2	38.8	51.0	1.8	4.0	29.0	19.1	87	72	S	25	WSW	29	10	0	5.0	0.2	—	—	—	● showers. 13 p.-8 p.	
25	29.22	29.08	48.0	39.5	36.2	43.2	3.2	3.5	17.8	17.6	76	73	NW	27	S	6	3	7	0.6	3.2	—	—	—	● showers a.	
26	29.99	29.88	38.3	39.7	34.2	50.8	1.3	1.5	20.5	21.4	89	88	SSW	29	W	22	9	8	10	1.45	2.2	—	—	—	● showers a.
27	29.44	29.78	41.8	38.0	35.8	43.6	3.5	2.8	19.0	17.6	75	77	NW	23	—	2	3	10	0.3	1.1	—	—	—	● <sup>0</sup> 10 a.-2 p.	
28	29.58	29.43	46.5	48.8	37.0	49.0	1.0	1.8	29.3	30.0	93	87	S	15	S	21	8	10	0.3	1.1	—	—	—	—	● <sup>0</sup> 1 p.-3 p.
29	29.29	29.45	50.2	44.0	42.8	50.8	1.2	2.0	33.2	24.4	92	84	S	23	SW	16	10	2	1.0	—	—	—	—	—	Fine all day.
30	29.69	29.78	44.0	50.8	41.0	50.8	2.2	1.5	24.0	33.3	83	89	SW	21	SW	26	5	10	0.8	0.3	—	—	—	—	—
31	29.93	30.09	50.3	47.2	46.4	50.8	1.8	1.0	31.9	30.0	88	93	W	25	WSW	7	5	2	—	0.1	—	—	—	—	—
M.	29.601	29.613	45.1	44.4	40.8	48.1	2.0	2.0	26.0	25.2	86	85	16	14	7.3	6.9	4.35	3.6	—	—	—	—	—	—	—



## TILLYPRONIE, ABERDEENSHIRE.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.	47.6	43.2	37.3	58.7	3.8	1.2	244	253	74	90	SW	2	W	2	4	8	ins.	hrs.	°	
2	28.94	28.95	47.6	43.2	37.3	58.7	3.8	1.2	244	253	74	90	SW	2	W	2	4	8	ins.	hrs.	°	
3	28.93	28.94	44.1	47.8	39.8	49.3	2.3	0.6	239	317	82	95	NW	2	NW	1	8	9	05	—	34	
4	28.90	28.91	47.5	47.3	45.0	48.8	0.8	0.8	309	307	94	95	W	2	S	4	9	9	04	—	39	☉ = 2
5	28.92	28.96	45.3	43.8	43.0	48.1	0.7	0.8	286	267	95	94	SE	4	S	1	10	8	04	—	44	Dull, with ☉
6	28.94	28.95	45.2	44.5	41.5	46.3	0.7	0.9	285	273	95	93	S	2	SE	2	10	10	14	—	43	Dull, with ☉ = 2
7	28.97	28.90	42.5	41.5	36.5	44.8	0.5	1.2	261	237	96	90	SE	2	NE	2	10	7	07	—	41	Dull, with ☉ = 2
8	28.80	28.72	40.3	41.5	36.9	49.0	0.8	0.7	234	248	94	94	N	1	N	1	0	8	—	35	Dull, with ☉ = 2	
9	28.65	28.64	39.0	33.2	33.0	45.5	0.6	1.1	231	167	95	88	N	1	NW	1	9	0	—	36	Dull, with ☉ = 2	
10	28.64	28.65	35.8	36.0	31.0	44.2	1.2	0.5	189	203	90	96	N	1	N	1	4	6	—	31		
11	28.61	28.50	35.5	35.0	31.0	43.3	2.3	1.8	164	168	79	82	SW	1	S	4	6	8	—	29	Sunny and frosty.	
12	28.50	28.35	42.0	45.5	34.0	47.6	1.4	0.3	237	297	89	97	SW	4	SW	1	8	10	07	—	28	∞. Sunny and frosty.
13	28.45	28.47	42.8	42.8	38.8	52.5	2.7	2.7	236	219	80	80	SW	1	SW	1	3	8	01	—	31	∞
14	28.54	28.67	40.7	35.5	35.0	50.5	2.5	0.5	204	198	81	95	SW	4	SW	6	5	0	03	—	36	
15	28.72	28.89	41.1	35.6	34.9	46.2	1.1	0.5	234	199	91	96	SW	4	SW	6	9	0	01	—	32	
16	28.91	28.80	44.0	44.8	34.0	47.4	3.5	3.8	215	216	74	73	SW	3	SW	6	8	9	01	—	31	Dull.
17	28.66	28.43	43.6	42.0	40.5	50.5	2.6	5.2	228	171	80	65	SW	4	SW	4	6	0	02	—	37	∞
18	28.61	28.42	40.2	39.2	33.4	45.2	2.7	1.9	196	188	79	79	NW	2	N	2	6	0	—	31	☉ showers.	
19	28.68	28.54	44.0	38.0	37.0	51.2	2.1	1.8	242	194	83	85	SW	1	N	2	7	0	13	—	34	Fine. *
20	28.72	28.53	44.0	38.0	37.0	51.2	2.1	1.8	242	194	83	85	SW	1	N	2	7	0	13	—	28	* showers.
21	28.65	28.34	30.0	34.2	27.0	43.6	0.8	0.7	145	184	86	93	N	2	N	1	6	8	10	—	25	Dull. * showers.
22	28.54	28.21	33.8	34.2	32.5	40.7	0.8	0.3	178	224	91	98	SW	4	NW	4	3	10	17	—	30	*
23	28.76	28.74	44.0	38.5	35.4	49.5	3.2	1.5	220	203	76	87	N	4	N	1	7	9	03	—	33	Milder.
24	28.54	28.74	33.5	32.2	31.0	41.2	0.5	0.4	182	174	94	95	SW	2	N	1	7	9	22	—	28	* showers.
25	28.56	28.24	35.6	38.5	29.6	53.0	1.6	3.2	179	173	85	74	SW	2	SW	4	9	0	02	—	30	Squally, with ☉ showers.
26	28.21	28.29	34.0	34.3	31.0	40.5	1.2	1.3	172	172	87	86	NW	6	NW	4	2	0	27	—	30	* showers.
27	28.78	28.37	36.0	30.4	40.6	2.2	3.8	169	145	81	68	NW	4	NW	1	6	8	—	28	Sunny and frosty. ☉		
28	28.64	28.53	44.8	47.2	30.2	49.0	3.6	1.9	220	280	74	87	SW	6	SW	9	8	9	01	—	30	
29	28.40	28.52	47.8	42.2	41.6	52.7	0.8	2.4	312	219	94	83	SW	1	SW	9	9	9	—	40	∞. Dull and mild.	
30	28.79	28.93	39.5	44.3	35.4	46.0	3.7	2.2	174	243	72	83	SW	1	SW	4	3	3	—	32	Sunny day.	
31	29.04	29.11	45.8	38.1	36.7	55.0	2.8	1.1	246	207	80	90	SW	1	SW	1	2	0	—	35	Sunny day.	
M.	28.663	28.656	40.8	39.7	35.1	47.3	1.8	1.6	221	217	86	87	2.5	2.9	6.5	5.5	1.52	—	33.1			

## LAUDALE, ARGYLESHIRE, a.—NOVEMBER 1908.

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	30.08	30.07	50.0	52.2	46.0	54.9	0.8	2.2	339	332	94	85	S	5	S	1	6	10	—	—	Dull day.
2	30.02	30.02	52.2	54.7	48.3	56.1	2.2	2.8	332	351	85	81	S	1	S	1	10	10	—	—	Dull day.
3	30.00	29.99	51.0	51.1	44.2	58.7	1.1	2.2	346	320	92	84	SE	1	S	1	2	10	—	—	Very fine day.
4	30.03	30.09	52.5	49.6	47.0	57.7	4.4	2.9	284	284	72	81	E	1	W	1	7	10	—	—	Very fine day.
5	30.12	30.09	51.1	47.0	46.7	53.3	2.4	0.5	315	311	83	97	SW	2	Calm	0	100	1000	—	—	Dull day.
6	30.10	30.07	50.1	48.6	42.1	53.7	1.2	1.9	331	297	91	87	Calm	0	Calm	0	1000	10	—	—	Dull day.
7	29.97	29.86	43.8	38.9	37.9	48.6	0.7	0.9	269	219	95	93	Calm	0	Calm	0	8	10	—	—	Dull day.
8	29.82	29.80	39.9	36.6	34.0	42.3	0.7	0.6	231	205	95	95	Calm	0	Calm	0	4	10	—	—	Very fine day.
9	29.83	29.79	39.1	45.2	33.0	47.5	0.9	3.2	221	231	93	77	E	2	S	5	6	10	—	—	Overcast all day
10	29.75	29.59	43.5	45.2	40.1	45.6	3.6	2.7	208	241	74	81	S	5	S	6	100	9	—	—	Stormy day.
11	29.60	29.36	49.1	57.0	44.0	57.0	1.1	2.3	321	397	92	85	S	5	S	5	10	54	—	—	Stormy day.
12	29.63	29.52	52.2	52.2	46.1	57.2	5.0	3.2	268	308	69	79	W	5	W	5	8	47	—	—	Dull, with ☉ showers.
13	29.74	29.82	47.5	45.3	44.0	54.7	2.5	1.7	269	263	82	87	W	1	W	1	3	10	—	—	Overcast all day.
14	29.94	30.08	55.0	40.7	34.1	47.2	0.0	0.7	208	239	100	94	Calm	0	W	1	0	8	—	—	Fine day.
15	30.10	30.00	49.0	50.9	39.3	51.2	0.8	3.1	327	295	94	80	S	4	S	5	10	40	—	—	Overcast all day.
16	29.81	29.81	53.2	47.3	43.0	53.9	2.2	5.6	344	207	85	64	S	5	W	7	10	30	—	—	Coarse ☉ showers all day.
17	29.95	30.07	45.1	48.9	40.0	49.9	4.0	1.8	315	302	72	88	W	6	W	4	7	10	—	—	Coarse ☉ showers all day.
18	29.87	29.78	51.5	42.9	42.9	51.9	2.3	1.0	221	255	84	92	W	5	W	5	10	22	—	—	Squally, with ☉ showers.
19	30.04	30.10	41.9	36.9	36.0	44.9	2.7	1.0	212	200	81	92	NW	4	N	1	6	6	—	—	Fair day.
20	29.77	29.78	47.7	43.9	30.9	47.9	1.6	2.4	292	236	89	82	W	5	N	5	10	10	—	—	☉ showers all day. ▲ 2 m.
21	29.81	29.29	47.8	47.2	40.7	50.2	3.6	0.3	249	318	75	98	W	4	W	3	10	10	—	—	Misty, with ☉ all day. [p.]
22	29.87	29.89	42.2	45.3	43.0	53.9	2.9	2.2	234	266	79	84	NW	5	NW	6	10	10	—	—	☉ (severe gale) ▲ 2 showers.
23	29.53	29.47	52.0	43.7	41.5	53.9	1.7	4.5	343	195	88	68	SW	1	S	3	4	30	—	—	Fine, but cold all day.
24	29.41	29.46	45.1	45.1	38.7	47.3	3.4	6.0	226	182	75	61	W	7	W	7	10	40	—	—	Misty. ☉ ☉ ☉
25	29.84	29.82	42.2	48.9	38.0	49.0	2.0	1.7	227	304	85	88	NW	3	W	4	9	10	—	—	☉ ☉

† Beaufort Scale (0-12).

## DUNDEE, FORFARSHIRE, c.d.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.		
2	29.98	29.97	41.7	43.3	35.7	48.5	0.2	0.7	.260	.265	98	95	SE	1 NW	1	5	10	02	—	Dull. ≡
3	'94	'92	46.2	49.9	41.0	51.2	0.2	0.2	.308	.354	99	99	SW	1 W	1	0	10	01	—	Dull. ≡●
4	90	29.91	49.2	49.7	48.5	51.5	0.2	0.2	.345	.352	99	99	SE	1 SE	1	10	10	04	—	Dull.
5	95	30.00	49.0	47.7	46.4	52.0	0.2	0.2	.343	.326	99	99	SE	1 SE	1	10	10	—	—	Dull.
6	99	29.94	46.2	47.0	44.5	49.3	0.2	0.1	.308	.321	99	99	SW	1 W	1	10	10	02	—	Dull. ∞
7	99	'95	47.9	45.8	45.0	48.7	0.2	0.5	.328	.297	99	94	SE	1 SE	1	10	10	—	—	Dull.
8	'84	'73	44.0	39.8	38.0	48.0	0.0	0.1	.288	.242	100	100	NE	1 NW	1	10	5	—	—	Dull. ∞ at sunset.
9	'69	'68	40.5	36.6	33.3	45.2	0.3	0.2	.245	.213	98	99	NW	1 NW	1	10	10	—	—	Dull.
10	'72	'70	31.4	33.8	29.2	40.4	0.2	0.3	.173	.188	97	97	SW	1 NW	1	5	02	—	—	Cloud and sunshine. ≡ from 4p.
11	'69	'59	29.8	33.0	27.6	35.6	0.9	1.0	.142	.167	85	89	NW	1 SW	1	10	10	02	—	∞
12	'58	'37	38.0	49.0	32.6	49.4	0.0	0.2	.228	.343	100	99	SE	1 NE	1	10	10	14	—	Dull. ● n.
13	'51	'67	47.2	40.0	39.8	51.2	0.7	0.2	.308	.243	96	98	1	SE	1	0	5	20	—	Fine. ∞ from 4.30p.
14	'63	'72	41.2	39.7	37.8	48.6	0.2	0.2	.255	.241	98	98	SW	1 SW	1	10	5	19	—	Fine from 8a. ∞ from 4p.
15	29.74	'96	45.0	40.7	39.2	48.5	0.2	0.2	.294	.250	98	98	NE	3 NW	1	10	7	02	—	● till 9.30a. Fine from 11a.
16	30.04	'92	39.4	44.9	33.6	46.2	0.1	1.2	.240	.270	99	92	W	1 SW	1	10	10	—	—	Fine 10.30a.-3p.
17	29.74	'63	47.8	43.7	43.2	50.4	1.0	1.2	.308	.258	93	90	SW	3 SW	3	10	5	—	—	Cloud and sunshine.
18	'73	'86	41.5	41.0	39.0	47.4	1.7	1.2	.227	.231	87	90	SW	2 NW	1	7	0	—	—	Fine.
19	'72	'56	46.6	42.2	40.9	50.4	1.1	2.3	.292	.221	93	83	SW	2 W	1	10	5	—	—	Dull a. Cloud and sunshine p.
20	'79	'92	40.0	35.5	34.0	44.6	1.3	1.6	.220	.178	90	86	NW	1 N	1	0	5	—	—	Cloud and sunshine from 11a.
21	'72	'61	33.0	39.0	27.8	42.3	0.3	1.3	.181	.212	96	90	NE	1 NW	2	10	5	02	—	● then cloud and sunshine.
22	'69	'29	41.7	42.0	34.7	43.6	0.7	0.1	.249	.265	94	99	W	1 SW	1	10	25	—	—	Dull. ● 3p.-8p.
23	'64	'28	48.5	41.4	40.5	49.2	1.8	1.4	.297	.231	87	89	SW	3 SW	2	10	10	03	—	Dull. ● 3p.-5p.
24	'63	'29	38.3	39.0	35.0	34.8	44.0	2.5	0.3	.190	.198	81	97	NW	3 W	1	5	—	—	Fine.
25	'49	'33	48.3	42.8	34.3	52.8	1.1	1.8	.311	.236	92	86	SW	4 SW	7	5	10	36	—	Dull. / from 2p.
26	'37	'30	37.3	39.9	33.9	44.3	0.3	1.3	.216	.220	97	90	SW	5 W	2	10	5	25	—	● showers.
27	'65	'32	38.0	34.8	33.4	43.2	1.4	0.3	.201	.196	88	97	SW	2 NW	1	10	0	01	—	Dull to 11a., then fine.
28	'75	'60	45.8	48.9	34.5	49.6	1.4	1.4	.277	.312	90	91	SW	2 SW	1	10	10	05	—	Dull.
29	'46	'29	49.8	46.2	45.7	52.5	0.5	1.2	.345	.285	96	92	SW	3 SW	2	10	10	03	—	Dull. ● shower. ∞ 5p.
30	29.92	'30	41.8	45.8	40.2	48.2	1.0	1.3	.245	.279	92	91	SW	1 SW	1	5	10	—	—	Cloud and sunshine.
31	30.13	'17	45.3	41.0	41.0	48.3	1.1	0.2	.277	.263	92	98	SW	1 NW	1	5	5	—	—	Cloud and sunshine.
M.	29.734	29.704	42.7	42.0	37.7	47.5	0.7	0.7	.263	.255	94	94	1.7	1.4	7.9	7.4	1.68	—	—	



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—NOVEMBER 1908.

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

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	°	Fine.  Overcast. Fine, but overcast. Fine. Dull. Fine and bright. Fine. Fine. Fine, but cloudy. Fine. showers. Dull, with ∞. Dull. Fine, but cloudy.  Frosty. Fine, but cold.  showers. showers.  T during day. Fine, but cloudy. Fine and bright. Fine and bright.		
2	29.79	29.79	50	47	40	51	2	0	309	323	86	100	W	1	Calm	0	4	10	25		1.5	26
3	78	78	51	50	46	52	0	0	374	361	100	100	SE	1	SE	2	10	10	10		29	
4	76	69	48	48	41	50	1	1	309	309	93	93	SW	1	SE	1	10	10	—		39	
5	75	82	49	47	45	50	0	1	348	298	100	93	NW	2	SE	1	10	10	—		39	
6	81	76	47	47	43	49	1	2	298	275	93	86	SE	1	NW	1	9	10	—		34	
7	77	78	48	44	42	48	1	1	309	265	93	92	SW	1	SW	3	10	10	—		28	
8	67	56	44	34	32	46	2	2	244	156	84	79	SE	1	NW	2	5	6	—		31	
9	48	46	36	35	29	40	1	0	193	204	91	100	NW	2	NW	1	3	4	—		22	
10	52	54	36	37	30	43	2	1	175	200	82	91	NW	2	SW	2	2	6	—		17	
11	54	43	29	35	27	37	1	2	130	164	82	80	SW	2	S	2	5	9	—		18	
12	40	29	42	47	31	48	1	0	245	323	92	100	SW	1	SE	3	9	10	—		16	
13	42	54	48	45	39	52	1	2	309	253	93	85	W	4	SW	3	7	8	—		19	
14	47	54	45	42	39	50	0	1	299	245	100	92	NW	2	SE	1	9	10	—		25	
15	47	72	47	48	40	51	0	1	323	309	100	93	W	1	NW	2	10	6	—		30	
16	87	81	48	41	42	50	0	1	335	235	100	92	S	2	SW	3	10	3	—		25	
17	67	54	45	45	38	51	1	2	275	253	92	85	SW	3	W	6	8	2	—		30	
18	63	78	44	44	40	47	2	2	244	244	84	84	NW	7	W	7	4	2	—		25	
19	66	45	44	42	42	49	2	3	285	224	86	77	W	6	NW	7	9	2	—		27	
20	52	72	42	35	34	44	1	2	245	164	92	80	NW	6	NW	3	7	3	—		31	
21	62	42	32	40	29	43	2	2	137	207	75	84	NW	1	NW	6	9	3	—		26	
22	29.52	29.12	39	42	30	44	1	0	218	267	92	100	NW	5	S	3	8	10	—		18	
23	28.83	28.60	50	42	39	52	3	1	286	245	80	92	W	6	W	6	9	3	—		23	
24	29.37	29.66	40	35	33	45	2	2	207	164	84	80	NW	7	NW	3	4	5	—		28	
25	41	19	49	48	33	53	1	1	322	309	93	93	SW	3	W	7	9	10	—		27	
26	31	33	43	42	38	48	3	2	215	225	78	85	SW	6	W	8	8	2	—		20	
27	60	70	42	40	37	45	1	1	245	226	92	92	W	5	SW	2	10	3	—		20	
28	65	57	47	47	38	49	1	1	298	298	93	93	SW	1	S	4	10	10	—		26	
29	40	49	48	45	43	54	1	1	309	275	93	92	SE	3	NW	2	9	10	—		24	
30	81	29.92	42	40	36	48	1	1	245	226	92	92	W	2	W	1	4	2	—		32	
30	29.96	30.00	41	38	36	43	1	1	235	208	92	91	NW	3	NW	2	4	2	—	22		
M.	29.578	29.566	44.0	42.5	37.0	47.7	1.2	1.2	266	249	90	90	2.9	3.1	7.5	6.3	1.51	71	25.9			

## DOUGLAS, ISLE OF MAN, a.—NOVEMBER 1908.

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

1	29.83	29.80	51.0	52.1	49.0	53.3	0.0	0.2	374	384	100	98	E	2	E	1	10≡	10	—	—	43	Dull, with ≡. T
2	76	74	52.3	51.6	51.0	54.0	0.3	0.9	384	358	98	94	ESE	3	ESE	4	10	10	—	—	49	Dull and dry, with ≡.
3	74	72	47.8	49.2	47.8	53.1	0.6	1.5	317	313	95	90	ENE	3	NE	2	10	0L	—	3.7	47	≡. n.
4	79	84	49.0	51.0	46.0	51.5	1.3	1.5	115	336	91	90	E	4	E	4	10	0	—	—	43	Fine and mild.
5	88	82	49.2	49.0	47.5	53.5	1.0	1.0	324	322	93	93	ESE	2	S	1	9	9	—	1.3	46	Dull and dry.
6	82	80	50.0	49.3	45.3	50.8	1.8	1.3	314	318	87	91	E	2	ESE	5	10L	9	—	—	42	Fine, dry, breezy, and cold.
7	70	54	44.9	42.2	41.0	50.0	2.4	2.9	245	210	83	79	ESE	5	E	6	9	0	—	0.5	42	Cold, dry, and breezy.
8	51	53	42.6	44.9	39.2	46.0	3.3	2.9	206	234	76	79	ESE	5	ESE	6	2	3	—	7.7	36	Cold, dry, and breezy.
9	59	59	46.2	44.6	40.9	49.0	1.7	3.1	274	228	89	78	ESE	4	S	5	4	—	—	4.6	39	Cold and breezy. ● 4p.
10	54	44	43.2	47.0	40.0	49.0	3.0	0.4	217	313	78	97	S	4	S	5	5	10	47.5	2.0	36	showers.
11	44	28	52.8	53.2	46.0	54.2	0.0	1.0	400	377	100	93	S	4	SSW	4	100	0	0.37	—	39	Fine and mild. ● from 6p.
12	56	54	51.0	52.3	47.5	56.0	2.4	0.6	313	376	84	96	WSW	3-4	S	5	3	5	114	5.9	43	Fine and mild a. ● n.
13	59	40	46.8	48.2	45.0	53.3	1.0	0.0	296	338	93	100	W	3	ESE	7	3	100	575	3.4	41	Fine, dry, and cold. n.
14	56	85	48.6	45.2	43.5	51.5	0.7	1.2	325	273	95	91	NNW	5	N	1	8	0L	—	5.0	43	u. a. Fine. p.
15	94	90	45.3	48.5	39.8	52.8	1.3	1.5	272	303	90	89	W	2	SW	2	4	4p	—	3.8	35	Fine a. ● p.
16	78	73	50.0	47.4	44.8	51.8	2.3	2.1	302	277	84	85	SW	4	W	6	9	0	128	—	39	Fine and dry.
17	86	96	47.6	48.0	44.5	50.6	1.9	2.0	284	285	87	86	W	5	W	5-6	5	8	—	3.2	40	showers a. ● p.
18	85	61	48.8	46.2	43.0	50.7	1.0	2.0	321	267	93	86	WSW	5-7	WNW	7	9	8	433	—	42	showers.
19	68	95	45.0	44.0	40.5	48.5	2.0	1.5	255	255	85	88	NNW	5-6	NNW	2	0	100	020	6.1	38	● 2p-7p.
20	72	65	44.0	45.5	40.3	48.4	0.2	2.5	283	248	98	82	SW	3	WNW	6-8	9	0	0.35	—	34	● 2p-7p.
21	70	29.18	45.1	53.5	43.0	54.0	1.1	0.5	274	395	91	96	WSW	2	W	6-8	8	10	572	—	38	● 2p-7p.
22	11	28.94	50.1	42.8	42.0	54.5	0.2	0.6	357	261	98	96	W	5-7	W	9-10	9	3	108	2.0	43	● 2p-7p.
23	56	29.78	45.3	45.3	42.7	49.2	4.0	1.5	218	268	72	89	NW	6-8	SW	1	3	9	116	4.9	40	● 2p-7p.
24	54	45	51.6	46.5	42.0	53.3	0.8	4.3	361	223	95	71	SW	4	W	7-8	8	100	0.59	—	40	Squally p. ▲ 6.20 p.
25	51	49	44.2	45.0	41.9	47.0	2.2	2.0	242	253	83	85	WSW	6-8	W	7-9	8	0	230	1.6	38	showers a. (
26	65	82	48.3	49.0	44.1	51.3	0.3	1.0	331	322	98	93	W	5-7	WSW	3	9	10	015	1.0	39	Squally, with ● showers.
27	74	56	49.8	51.1	47.8	52.8	0.8	1.1	337	347	94	92	SSW	5	S	5	9	10	020	—	42	Dull, with ●.
28	42	29.64	52.2	46.3	45.0	53.5	0.0	0.3	391	307	100	98	S	5	W	2	100	5	—	6.1	35	u a and n. Fine.
29	29.90	30.05	44.1	42.2	40.0	51.0	1.0	0.7	266	254	92	94	WNW	2	WNW	2	0L	—	—	3.1	31	u a. n.
30	30.09	30.09	38.0	48.3	37.2	50.0	0.5	0.3	218	331	96	98	NW	2	ENE	1	0L	10≡	—	—	—	—
M.	29.678	29.655	47.5	47.6	43.6	51.5	1.3	1.4	300	299	91	90	4.0	4.4	6.8	5.6	2.962	66	40.3			

† Beaufort Scale (0-12).

## STONYHURST, LANCASHIRE, a.—NOVEMBER 1908.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., -12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.23 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	Min.	Max.	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.	46.3	51.0	40.5	55.0	0.8	0.6	295	358	95	96	NNE	4	—	3	10	10	—	ins.	hrs.	34	Fine and frosty.
2	29.77	29.74	46.3	51.0	40.5	55.0	0.8	0.6	295	358	95	96	NNE	4	—	3	10	10	—	0.4	34	39	Overcast, mild, and misty.
3	76	66	45.0	44.0	42.7	50.5	1.0	0.9	275	267	92	93	E	4	—	3	8	0	—	4.1	37	37	— a. Fine p.
4	71	79	49.0	45.2	43.5	51.5	2.0	1.0	298	278	86	93	E	4	—	3	8	0	—	1.9	36	36	Fine and mild.
5	81	75	45.2	47.0	41.0	51.0	1.0	1.8	278	280	93	87	NNE	4	—	1	10	0	—	—	—	31	Fine, but cloudy.
6	74	75	46.7	47.0	45.2	48.0	2.1	3.4	270	245	85	77	E	2	E	8	10	10	—	—	—	42	Dull and overcast.
7	65	47	40.7	39.0	37.5	47.0	3.5	3.1	187	179	74	76	E	7	E	7	10	0	—	0.1	31	31	Overcast and very cold.
8	42	46	34.8	35.7	31.0	44.0	2.5	1.6	155	180	76	85	N	6	N	5	0	0	—	8.0	26	18	— a. Bright and clear.
9	52	55	36.0	36.2	31.7	45.0	1.4	2.9	186	161	87	75	N	4	—	3	3	0	—	3.6	21	18	— a. ☐ 9.30p.
10	54	45	32.2	39.6	29.5	40.5	2.7	1.6	125	211	69	87	E	2	S	7	2	100	378	1.6	18	18	— a. ● 8p.-10p.
11	42	29	45.3	54.0	38.5	54.7	0.3	1.6	295	371	98	89	E	0	S	21	100	100	0.70	—	37	37	● a. ● 10.30p.
12	49	54	47.0	48.7	45.5	54.4	0.6	2.7	308	279	96	81	SW	7	S	7	0	100	705	5.7	37	38	Fine all day.
13	47	49	47.0	45.4	43.4	50.0	0.2	1.1	318	278	99	92	E	2	E	4	7	6	170	2.6	38	38	● 4a.-5a., then sunny.
14	40	72	48.0	44.1	42.2	51.2	1.7	1.8	292	249	88	85	E	2	—	3	100	0	—	1.2	33	33	Fine afternoon.
15	88	36	42.2	40.5	36.4	46.7	0.4	0.7	261	237	96	94	E	2	—	2	10	0	—	—	30	30	Overcast.
16	75	65	41.4	45.7	39.0	48.2	0.8	1.2	244	280	94	92	W	1	W	6	9	0	—	165	31	31	Dull. ● 5p.-6.30p.
17	77	88	46.0	48.0	42.3	49.5	2.0	2.0	265	285	86	86	WSW	12	W	10	10	8	0.15	1.6	37	37	showers a. ● 5p.
18	78	54	48.2	46.0	45.5	48.5	1.3	1.2	305	283	91	92	WSW	12	WSW	9	10	4	4.10	—	41	41	“Mackerel” sky a. ● 2p.
19	54	74	42.8	39.3	34.7	46.4	3.4	2.3	206	166	75	82	NNW	12	—	2	5	0	—	4.2	28	28	Fine and bright.
20	69	54	33.2	43.3	30.5	46.7	1.2	2.1	165	235	87	84	W	2	W	10	10	3	123	—	23	23	— a. ● noon, < n. [mid
21	29.60	29.13	43.7	45.5	40.0	46.8	1.7	0.3	247	297	86	97	W	9	SW	9	8	100	1580	0.9	33	33	“Mackerel” sky a. ● 2p.
22	28.97	28.80	51.9	45.8	42.5	52.0	0.9	2.1	362	261	94	85	W	26	W	29	100	100	3.10	0.9	40	40	showers all day. < n.
23	44	29.73	44.0	39.8	36.5	47.1	2.7	2.6	320	195	79	80	W	7	W	4	8	4	0.10	5.8	29	29	Fine.
24	54	30	47.5	47.4	38.1	52.5	0.5	0.4	316	317	96	97	SW	14	W	10	10	100	445	—	34	34	showers.
25	49	43	44.0	44.0	40.6	47.8	3.0	2.2	224	240	77	83	SW	15	W	18	10	8	3.00	—	34	34	▲ 2p.
26	59	76	46.0	44.0	42.2	50.0	1.0	1.0	287	309	93	93	WSW	11	WSW	7	10	6	180	—	40	40	Overcast.
27	72	60	47.0	47.1	45.7	48.5	1.2	2.1	293	274	92	85	SSW	12	S	18	8	10	—	—	43	43	Very dull.
28	46	56	48.7	45.3	45.0	53.9	2.1	0.3	293	295	85	98	SSW	8	—	3	10	100	085	0.1	44	44	● 6p.-10p.
29	29.85	29.99	44.0	35.7	35.7	46.8	0.1	0.7	286	196	99	94	—	0	—	0	6	0	—	3.0	30	30	Fine.
30	30.03	30.02	29.5	37.0	28.5	39.0	1.2	0.7	131	206	81	94	—	2	—	3	2	0	0.10	1.2	24	24	— a. Misty.
M.	29.612	29.597	43.8	44.1	39.4	48.9	1.5	1.6	259	259	88	88	6	7	7.5	4.6	4.964	47	33.4				



## SHREWSBURY, SHROPSHIRE.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.	50.5	54.9	43.6	56.0	0.5	0.7	354	410	96	95	SSW	1	Calm	0	10	ins.	hrs.	0	Cloudy.	
2	29.92	29.88	50.5	54.9	43.6	56.0	0.5	0.7	354	410	96	95	SE	2	SSE	1	10	—	—	42	Dull. Misty evening.	
3	'86	'85	49.6	48.9	47.8	55.0	0.6	0.5	340	333	96	97	SE	2	SE	1	10	—	—	42	Misty a. and p.	
4	'84	'79	44.2	41.0	40.6	51.5	0.3	0.0	284	257	98	100	SE	1	Calm	0	10	—	—	34	Cloudy.	
5	'87	'91	42.2	36.1	35.6	48.0	0.1	0.0	267	214	99	100	SSE	1	Calm	0	10	10≡2	—	31		
6	'96	'91	41.1	44.0	35.7	48.1	0.0	0.0	258	288	100	100	SSE	1	Calm	0	10	10	—	36		
7	'90	'87	44.0	44.0	41.0	51.7	0.1	1.0	286	265	99	92	NE	1	NE	1	10	10	—	36	☐ 7.15p.	
8	'79	'62	39.0	35.0	34.2	46.9	1.5	0.8	209	188	88	92	SE	1	SE	1	6	3	—	28	Fine and frosty.	
9	'56	'59	31.1	29.4	25.0	45.9	0.0	0.0	175	163	100	100	N	1	Calm	0	0	0	—	18	Bright and bracing.	
10	'67	'70	29.0	28.7	23.8	47.2	0.0	0.0	160	158	100	100	ESE	1	SE	1	0	0	—	20	≡2 4p.-5p.	
11	'71	'62	25.8	41.0	20.0	42.4	1.0	1.0	106	235	76	92	SE	1	SSE	2	5	2●	'06	16	Sunny intervals. ● from 8p.	
12	'62	'50	48.8	55.4	39.6	58.5	0.8	1.6	325	393	94	90	S	2-3	SSE	6	10	10	'24	36	Dull. ●2 10p.-11p.	
13	'71	'73	47.0	48.0	44.0	57.2	2.0	2.0	275	335	86	100	S	1	SE	2-3	0	4	'42	38	Sunny intervals. ●2 from 11	
14	'66	'63	47.0	47.8	45.8	53.8	0.0	1.1	323	306	100	92	Calm	0	S	2	9	10	'04	39	●1 till 8.30a.	
15	29.96	29.87	47.8	46.1	46.0	53.0	1.5	0.2	296	308	89	98	S	2	NNW	2	9	0	'02	40	●1 a. Sunny intervals p.	
16	30.04	30.05	42.3	34.1	34.1	47.0	0.0	0.0	270	197	100	100	NNE	1	NNW	1	10	≡2	0	—	31	≡2 till 9.30a. Sunny interval
17	29.98	29.85	32.7	48.0	30.0	49.0	0.7	1.0	171	309	92	93	S	1	SW	2	10	≡2	8	—	28	≡2 a. Brilliant sunset.
18	30.01	30.09	45.0	46.1	30.0	52.0	2.6	2.0	241	266	81	86	W	2	NNW	2	8	0	—	35	Sunny intervals. Fine sunse	
19	30.04	29.77	49.0	47.0	45.1	51.0	2.8	0.5	280	311	80	97	WNW	3-4	NNW	2-3	9	1	'36	38	●0 1.15 p. Sunny intervals.	
20	29.69	'91	42.2	37.0	35.6	49.0	1.0	1.0	247	200	92	91	SW	3	NW	2-3	7	0	'06	31	●2 till 8a. Sunny intervals.	
21	'88	'77	37.4	46.1	34.0	51.0	0.6	2.8	212	249	95	80	SW	1	NW	3-4	6	2	'02	31	Cloudy a. ●3 3.30p.	
22	'82	'42	44.9	49.0	34.0	49.5	2.2	1.0	249	322	85	93	NW	3-4	NW	2	7	10	'06	38	Cloudy a. ● p.	
23	'27	'20	55.7	48.1	46.4	57.1	2.0	4.1	388	242	87	72	W	3-4	WNW	6	10	6●	'03	41	●4a. ● showers.	
24	'63	'92	48.0	41.9	39.8	49.9	4.0	2.1	243	224	73	85	NW	4	NW	2	5	7	—	37	Fine and bracing.	
25	'80	'58	48.4	54.0	38.9	55.8	1.4	1.7	305	368	90	88	SSW	3-4	SSW	3	10●	10●	'11	37	● showers 3.30p. and 8.30p.	
26	'75	'70	41.7	46.0	37.0	54.1	1.8	2.5	227	255	87	83	W	2	W	2-3	8	0●	'02	33	Cloud and sunshine. ( 3p.	
27	'82	'97	49.1	48.2	45.4	53.1	2.1	1.2	297	307	85	92	W	3	S	1	5	0	'01	40	Cloudy a. ● shower 3.30p.	
28	'94	'79	48.2	47.0	45.0	50.0	2.2	2.0	283	275	85	86	SW	2	SSW	3-4	10	10	—	41	Cloudy and overcast.	
29	29.68	29.71	49.9	52.0	46.8	55.8	1.7	0.0	315	388	88	100	S	2	S	3-4	8	10●	'14	44	Cloudy and overcast. ● p.	
30	30.02	30.16	39.4	32.6	32.0	52.7	0.0	0.0	242	186	100	100	Calm	0	Calm	0	10	≡4	10	—	31	≡4 till 10a. and from 4.30p.
M.	29.806	29.784	43.3	44.1	37.6	51.2	1.1	1.0	262	275	91	93	1.8	1.9	7.7	5.4	1.59	—	34.1	32	Cloudy and cold.	

## CAMBRIDGE, a.—NOVEMBER 1908.

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	30.12	30.09	49.0	49.2	42.2	58.0	0.0	0.2	348	345	100	99	S	1	Calm	0	9.5 <sup>2</sup>	30 <sup>10</sup>	—	0.2	40	Cloudy day.	
2	'08	'07	49.0	48.8	46.0	54.9	0.4	0.8	338	325	97	94	SE	2	SE	2	10 <sup>10</sup>	10 <sup>10</sup>	—	0.6	40	Overcast all day.	
3	'04	'00	47.1	46.2	46.0	50.0	0.3	0.0	317	313	98	100	SE	2	SE	2	10	10	—	0.4	45	Overcast till 3p.	
4	'04	'09	45.5	49.1	45.0	56.0	0.0	1.1	305	321	100	92	SE	2	N	2	8	10	—	3.2	46	2 a. Sunny till noon.	
5	'14	'10	49.0	48.0	47.5	54.0	1.6	2.0	308	285	89	86	N	1	Calm	0	9.00	10	—	0.7	39	Overcast most of day.	
6	'09	30.10	37.8	43.0	32.2	53.0	0.8	1.9	210	236	93	85	Calm	0	E	3	5.5 <sup>2</sup>	10	—	1.1	33	Cloudy day.	
7	30.00	29.81	38.0	36.9	35.0	46.3	2.0	2.0	190	182	83	84	SE	2	N	2	7 <sup>10</sup>	10	—	2.9	33	Bright noon-4p.	
8	29.70	'74	36.9	36.3	33.0	49.0	3.0	1.3	165	190	76	89	E	2	N	1	2	10	—	7.9	29	— a. Bright day.	
9	'86	'90	35.2	29.8	29.8	47.5	1.2	1.1	182	137	88	82	SE	1	Calm	0	0	10	—	7.5	25	Bright day.	
10	'95	'92	28.0	31.5	18.0	45.0	0.1	1.5	150	141	98	80	Calm	0	Calm	0	3	10	—	5.8	20	Bright 10a.-4p.	
11	'88	'84	46.1	54.0	31.0	56.1	0.8	1.3	293	380	94	91	SSE	2	S	3	10	9	—	0.1	24	Dull day. ● n.	
12	'91	'99	50.2	45.2	41.9	58.9	0.3	0.5	356	290	98	97	SW	1	Calm	0	0	10	—	0.7	36	Continuous sunshine.	
13	'86	'93	52.0	44.1	41.0	57.0	0.6	0.1	372	287	96	99	S	1	W	1	9	10	—	0.5	37	Bright 11.30a.-3.30p.	
14	29.83	29.99	49.5	47.8	43.4	53.0	2.0	0.8	304	312	87	94	SW	1	NW	2	6	10	—	1.0	36	● 6a.-7a. Cloudy day.	
15	30.20	30.23	46.9	45.9	41.0	48.5	0.0	0.9	322	288	100	94	Calm	0	Calm	0	10	10 <sup>10</sup>	10 <sup>10</sup>	—	—	34	Overcast all day.
16	'18	'06	43.0	45.5	42.5	48.4	0.0	0.5	277	293	100	96	SW	1	SW	2	10 <sup>10</sup>	10 <sup>10</sup>	—	—	43	Overcast all day.	
17	'17	30.27	42.2	39.0	37.5	51.2	1.0	0.5	247	228	92	96	W	2	Calm	0	0	10	—	3.7	31	Sunny till noon.	
18	30.24	29.99	43.0	47.1	39.0	50.0	1.3	0.9	249	302	90	93	SW	1	SW	4	9	10	—	0.3	33	Overcast all day. ● p.	
19	29.76	30.07	43.9	37.1	37.0	48.0	2.1	2.1	242	181	84	82	WNW	5	NW	3	6	0	—	3.1	40	Fine day.	
20	30.08	29.87	31.0	45.2	26.5	48.0	1.0	2.0	148	255	85	85	SW	1	W	4	4.00	0	—	3.3	25	Bright 11.30a.-2.30p.	
21	29.93	'72	42.5	44.0	40.2	48.9	1.9	0.5	232	277	85	96	W	2	SW	3	2	10 <sup>10</sup>	—	3.6	29	Bright 9a.-1p. ● from 7p.	
22	'40	29.34	56.0	46.0	43.9	58.5	2.9	4.0	368	225	82	73	W	4	SW	7	6	0	—	0.8	0.3	38	Cloudy day. ● 2p.
23	29.68	30.11	46.9	34.5	34.0	48.7	4.9	1.5	215	170	68	84	W	4-5	W	1	1	0	—	4.0	39	Bright 8.30a.-11a.	
24	30.09	29.88	41.8	52.2	29.5	52.9	1.8	2.0	227	337	86	86	SW	2	SW	4	10	7	—	0.6	26	Overcast all day.	
25	29.98	29.93	41.2	43.0	37.4	54.0	1.5	2.0	227	234	89	84	SW	2	S	4	0	0	—	2.5	31	Sunny till 11a.	
26	30.05	30.19	47.0	42.5	42.0	53.9	1.8	0.6	280	259	87	95	SW	2-3	Calm	0	9	0	—	0.1	0.5	35	Overcast most of day.
27	'21	'09	46.3	42.1	39.5	53.4	1.3	0.6	283	255	91	95	SW	1	S	3	9.5 <sup>2</sup>	0	—	3.5	32	Bright noon-4p.	
28	'00	'02	47.0	48.0	39.2	52.3	1.9	1.0	277	309	87	93	SE	3	SE	4	10	0	—	0.2	32	Overcast all day.	
29	'20	'33	48.4	48.2	47.0	50.0	0.3	0.2	332	332	98	99	W	2	N	2	10 <sup>10</sup>	10 <sup>10</sup>	—	—	40	Overcast all day.	
30	30.37	30.39	47.0	48.9	46.5	49.9	0.0	0.5	323	333	100	97	Calm	0	S	1	10 <sup>10</sup>	10	—	—	46	≡ <sup>2</sup> all day.	
M.	30.001	30.001	44.2	44.0	38.5	51.8	1.2	1.1	270	267	91	91	1.7	2.0	6.4	5.5	0.77	66	34.5				

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.	%	%	SW	†	†								
2	29.93	29.88	53.0	54.7	50.5	58.2	0.4	1.1	.391	.396	97	92	SW	1	S	4	10	10	8.05	48	● 9a.-10a. Dull.		
3	'87	'85	54.5	49.7	47.3	56.6	0.9	1.8	.399	.399	93	88	SE	3	NE	3	10	0	—	1.6	43	Dull a. Fine p.	
4	'86	'82	44.7	43.0	43.0	54.4	1.3	0.1	.265	.275	89	99	SE	2	S	1	10	0	—	5.3	35	Dull a. Fine p.	
5	'88	'92	43.4	42.7	36.3	51.6	0.5	1.0	.270	.252	96	92	N	1	E	1	10	0	—	2.7	33	Dull a. Fine p.	
6	'97	'91	48.7	47.9	41.0	52.6	1.1	2.2	.316	.280	92	84	E	1	E	1	7	10	—	3.9	32	Bright day.	
7	'91	'87	48.3	44.9	44.6	51.6	2.9	0.6	.269	.284	79	95	S	1	E	2	3	10	—	5.0	41	Very bright day.	
8	'76	'59	41.4	40.1	38.7	45.0	2.7	1.4	.206	.219	79	88	E	3	NW	2	2	2	—	3.1	37	Bright day.	
9	'51	'59	35.7	39.7	33.6	45.9	2.8	2.5	.157	.195	75	79	NNW	2	N	3	1	0	—	7.6	27	Very bright day.	
10	'67	'73	33.7	32.9	29.9	46.5	0.7	2.3	.179	.140	92	74	E	1	Cal	0	0	0	—	6.8	25	Very bright day.	
11	'74	'66	34.7	42.1	25.2	44.1	4.1	2.2	.128	.220	64	83	SE	2	SE	5	0	10	—	6.4	21	Very bright day. ● 8p.	
12	'68	'56	54.7	48.0	42.1	56.4	1.8	1.3	.375	.303	88	90	SW	1	SW	2	10	10	—	0.5	40	Dull, but pleasant. ● 8p.-9p.	
13	'77	'85	51.7	52.7	47.6	57.4	1.1	1.6	.355	.355	92	89	SW	1	SW	3	0	7	'09	5.2	39	Bright day.	
14	'71	'70	51.0	51.7	49.1	56.4	0.6	1.1	.358	.355	96	92	SW	1	S	4	7	6	'03	4.3	41	Dull a. Bright p.	
15	29.64	29.88	53.9	49.0	49.0	55.3	1.8	1.4	.305	.311	88	89	NE	2	NE	2	7	10	'02	0.7	46	Dull day.	
16	30.04	30.06	46.7	46.7	45.1	49.4	1.2	2.0	.290	.272	91	85	NE	2	NE	1	10	10	—	—	43	Dull day.	
17	'00	29.91	44.7	48.9	44.6	49.1	0.9	2.3	.275	.289	93	83	SW	1	SW	3	10	10	—	0.4	44	Dull day.	
18	'06	30.14	46.9	44.1	39.5	52.1	2.4	2.4	.205	.237	89	82	W	2	W	1	0	0	—	4.8	31	Very pleasant day.	
19	30.10	29.93	48.7	47.0	42.6	50.1	4.0	0.9	.251	.301	73	93	W	3	W	1	10	10	'14	—	35	Dull day.	
20	'73	'93	41.7	37.5	37.2	47.1	1.4	1.9	.234	.187	88	84	W	2	W	1	10	3	—	2.7	29	Dull a. Fine p.	
21	'91	'79	41.7	44.7	33.9	48.4	1.0	2.7	.242	.237	92	80	W	1	W	1	10	0	—	1.8	26	Bright day.	
22	'85	'52	42.7	46.7	38.3	48.7	2.0	1.0	.231	.295	84	92	W	1	W	5	4	10	'25	0.5	30	Bright a. ● 5.30p.	
23	'30	'52	57.5	47.9	47.1	58.4	3.7	5.2	.366	.220	77	66	W	5	WNW	7	10	0	'04	—	42	Dull. (gale).	
24	'67	'98	48.7	37.7	36.5	50.4	5.0	4.1	.231	.152	67	67	NW	2	SW	2	9	3	—	4.0	35	Dull a. Pleasant p.	
25	'89	'83	49.2	50.0	35.7	54.4	2.5	0.8	.288	.339	82	94	SW	3	SW	4	10	3	'08	—	29	Dull a. Pleasant p.	
26	'83	29.83	44.9	49.0	39.5	50.0	4.2	0.9	.211	.324	71	93	SW	1	SW	3	10	7	—	2.8	30	Bright day.	
27	29.91	30.03	50.7	45.2	44.1	53.6	2.9	2.8	.297	.239	80	79	SW	2	SE	4	9	7	—	0.1	36	Dull, but pleasant.	
28	30.01	29.84	48.5	47.2	43.8	52.0	2.5	3.0	.280	.255	82	79	SE	2	SE	4	9	7	—	3.0	34	Bright day.	
29	29.76	29.78	51.2	49.3	47.2	55.4	2.4	0.7	.315	.333	83	95	SE	4	SW	3	10	3	'13	0.5	45	Dull day.	
30	29.92	30.18	47.7	48.5	46.6	49.4	1.0	1.7	.306	.298	92	88	NNE	1	Cal	0	10	10	'01	—	46	Dull and damp a. Misty 9p.	
31	30.20	30.21	46.7	46.7	45.8	49.4	0.5	1.0	.306	.295	96	92	SW	1	SW	1	10	10	—	—	45	Dull, with ≡ a. Dry p.	
M.	29.834	29.835	46.9	45.9	41.5	51.7	2.0	1.8	.281	.272	85	86	1.9	2.4	7.2	5.7	0.84	74	36.2				



SOUTHAMPTON, HAMPSHIRE, a.—NOVEMBER 1908.

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 Station Level.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Min.	Max.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.											
1	ins.	ins.	55.0	53.6	52.8	62.5	0.9	1.9	.406	.358	94	87	NE	†	SE	†	1	3	1	ins	hrs.	0	
2	30.05	30.01	49.6	47.0	45.8	55.8	0.8	0.7	.335	.306	95	95	SE	2	SE	2	10	2	—	—	2.9	45	Fine and mild.
3	30.00	29.99	49.6	47.0	45.8	55.8	0.8	0.7	.335	.306	95	95	SE	2	SE	2	10	2	—	—	2.4	41	and mist, a. and p.
4	29.98	29.93	45.0	44.5	40.8	57.0	3.8	0.7	.218	.277	73	94	NE	2	SE	3	2	0	.003	.66	3.0	34	and mist, a. and p.
5	29.98	30.03	46.8	46.5	38.5	55.0	0.7	0.9	.303	.295	95	93	NE	4	NE	2	10	3	.003	.30	3.0	36	Dull and misty a. Fine p.
6	30.08	30.03	43.5	48.9	39.4	52.9	0.8	1.6	.264	.307	94	86	NE	2	NE	2	0	10	—	—	2.9	35	a. Fine day.
7	30.02	29.99	44.3	44.5	40.4	52.4	1.7	1.9	.254	.251	87	86	NE	2	NE	3	0	1	—	.74	3.4	36	a. and p. Fine day.
8	29.87	.67	40.9	38.0	37.8	48.1	1.8	3.5	.218	.165	86	72	NE	3	NE	3	4	0	—	.46	3.3	37	Fine day. Cool wind.
9	.56	.63	40.9	39.0	32.5	49.0	3.9	2.4	.181	.192	71	81	NE	3	NE	4	0	1	.005	.83	2.7	38	Fine day. W p.
10	.76	.81	39.5	34.0	33.2	47.4	2.3	2.3	.198	.150	82	77	NE	2	NE	3	0	0	—	.76	2.5	39	a. Fine day.
11	.88	.87	35.9	44.5	28.4	48.0	3.7	2.4	.146	.240	69	82	NE	3	SW	3	00	10	.010	.63	1.8	40	a. Fine day.
12	.88	.83	54.6	55.7	44.3	57.0	0.5	1.5	.413	.401	97	90	SW	1	SW	4	10	10	.110	—	.40	41	Dull, damp day. • noon-1 p.
13	.93	.97	52.0	52.1	49.1	61.0	0.7	0.2	.369	.384	95	98	WSW	1	SW	1	1	1	.070	5.0	3.8	42	Fine day.
14	.87	.90	54.1	53.0	50.1	61.4	1.9	0.2	.365	.397	86	99	SW	2	SW	1	2	5	.090	5.2	3.8	43	Cloudy day.
15	29.86	29.94	49.2	50.0	48.2	55.3	1.9	1.4	.303	.324	87	90	SW	3	NW	1	8	10	—	.04	4.5	44	Cloudy day.
16	30.16	30.19	47.2	48.0	46.0	51.0	1.0	1.0	.280	.309	87	93	NE	4	NE	3	2	10	.020	1.8	4.3	45	Dull day.
17	.15	.09	46.0	47.9	45.4	48.9	0.0	0.9	.289	.310	94	94	NE	2	SE	1	8	2	.010	0.1	4.4	46	Dull day.
18	30.30	.32	44.2	42.5	42.3	53.0	0.9	1.2	.270	.246	93	90	NW	3	NW	3	5	0	—	.40	3.5	47	a. and p. Fine day.
19	30.30	.38	45.2	48.5	37.7	52.0	1.3	1.0	.271	.316	90	93	NW	2	SW	3	10	10	.120	—	.31	48	Dull day. • 5.30p.-9p.
20	29.82	30.11	44.6	37.7	37.4	50.8	2.3	0.9	.243	.209	82	92	NW	4	NW	3	3	0	—	.45	2.9	49	• 3a.-8a. Fine day. a p.
21	30.09	29.94	36.0	45.5	33.8	51.0	0.3	0.4	.206	.295	97	97	NW	1	NW	2	2	≡	0	—	1.7	27	Fine day.
22	30.06	.79	43.0	47.2	39.9	51.3	1.6	0.3	.242	.318	87	98	NW	2	SW	4	2	100	.460	2.6	3.3	30	Fine day. • from 7 p.
23	29.54	29.52	56.2	48.6	47.1	58.0	1.6	3.9	.405	.252	90	73	NW	4	NW	5	10	0	.130	0.2	4.3	31	• 2p. and 5p.
24	29.79	30.13	50.1	41.3	41.0	53.0	4.1	2.2	.264	.215	73	83	NW	5	NW	3	2	0	—	.57	3.3	32	Fine day.
25	30.12	29.96	49.8	53.0	36.1	54.4	2.7	0.9	.290	.377	82	94	SW	2	SW	4	10	50	.170	0.3	3.0	33	Dull day. • 3p.-5p.
26	.03	30.02	45.0	44.4	43.9	54.4	0.9	1.5	.277	.259	83	89	W	2	SW	3	2	0	—	1.9	3.5	34	• till 4a. Fine day.
27	.13	.22	49.9	46.9	43.9	55.2	2.3	1.6	.301	.283	85	89	SW	2	W	2	6	1	—	.34	3.8	35	Fine day. a p.
28	30.19	.05	50.0	45.8	43.3	53.0	1.8	1.2	.314	.281	87	92	SE	2	SW	1	1	0	—	.56	3.5	36	a. and p. Fine day.
29	29.98	.02	51.5	51.0	45.2	53.2	2.0	0.9	.329	.351	87	94	SSE	2	SW	4	3	6	.025	—	38	37	Overcast day.
30	29.16	.29	53.0	51.0	50.1	53.5	0.6	0.6	.386	.358	96	96	SW	2	SE	1	100	10	.020	—	38	38	Dull, misty day.
31	30.35	30.35	48.2	48.9	46.9	52.0	0.3	0.9	.330	.322	98	94	Calm	0	SE	2	10	≡	1	—	43	39	≡ n. and a.
M.	29.992	29.989	47.0	46.7	42.0	53.6	1.7	1.4	.289	.292	88	90		2.4		2.6		4.5	3.6	1.246	94	35.8	

## PLYMOUTH, DEVONSHIRE, a.—NOVEMBER 1908.

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	29'96	29'92	56'0	57'0	49'2	58'9	0'9	0'2	422	459	94	89	ESE	9	SE	5	10	10	—	—	43	Dull and overcast. ☹		
2	'86	'84	57'6	56'2	52'1	60'7	0'1	2'4	473	383	100	85	E	7	NE	20	5	0	—	6'1	48	Fine day.		
3	'85	'84	52'3	53'4	50'1	56'2	2'4	3'2	330	322	83	79	E	13	NE	14	3	0	—	7'7	46	Fine day.		
4	'85	'92	51'0	49'4	49'4	56'9	2'1	3'1	321	279	85	79	E	15	NE	9	3	0	—	2'7	40	Fine day.		
5	'96	'94	52'0	49'2	49'2	55'7	3'5	3'1	299	276	77	79	E	6	E	8	6	3	—	5'9	41	Fine day.		
6	'90	'84	50'4	48'5	44'2	51'0	5'0	4'8	249	234	68	68	E	12	E	13	8	4	—	1'3	37	Dull day.		
7	'71	'49	49'1	43'5	43'5	57'7	2'2	1'4	295	251	84	89	E	16	E	20	4	4	—	5'7	34	Fine day.		
8	'43	'49	41'4	43'2	36'0	46'8	3'3	7'1	195	151	75	54	NE	19	NE	17	2	0	—	0'5	32	Fine day.		
9	'63	'70	45'0	47'2	37'0	49'3	3'0	9'7	233	145	78	44	ENE	11	E	10	3	0	—	7'4	33	Fine day.		
10	'75	'73	48'1	54'0	38'0	54'0	4'4	0'8	236	394	70	94	SE	18	SSE	17	8	9	—	2'2	41	☹ a. Fine day. ☉ showers [32]		
11	'78	'68	55'9	56'9	50'3	58'6	0'3	0'8	438	439	98	95	SSW	11	SSW	28	10	10	—	10'2	10	Dull, with ☉ showers.		
12	'88	'87	51'5	55'6	49'3	58'7	0'6	0'4	364	431	95	97	—	0	SSW	14	6	10	—	10	0'8	38	Cloudy and unsettled.	
13	'84	29'75	54'9	55'9	50'1	59'1	1'5	1'0	388	419	91	94	—	2	S	26	3	9	—	10	4'0	43	Fine a. Dull p.	
14	29'87	30'01	50'8	51'0	48'7	55'9	4'0	3'6	274	285	74	76	W	15	NNW	12	8	7	—	2'3	42	Sunny a., then overcast.		
15	30'10	'19	49'0	48'7	44'0	52'0	3'1	5'5	274	223	78	64	N	7	ENE	4	0	0	—	6'1	37	Fine day.		
16	'09	'06	44'1	48'0	37'9	49'6	1'1	1'2	264	304	91	92	—	3	—	3	9	0	—	10	1	30	Overcast all day. ☹	
17	'22	'30	45'0	50'0	39'9	52'0	1'0	4'0	275	265	92	74	—	0	NW	4	10	≡	—	9	1	30	Overcast day.	
18	30'29	'11	49'7	51'0	48'4	52'3	3'5	1'8	272	326	76	87	NW	8	WSW	14	8	8	—	10	2'2	45	Cloudy day.	
19	29'34	29'12	48'6	44'5	43'9	53'0	5'6	2'3	220	242	64	83	NW	21	—	3	3	3	—	10	6'8	33	Fine, bright day.	
20	30'06	29'98	44'0	50'0	39'9	52'9	1'2	3'4	261	278	90	78	—	1	NNW	6	10	≡	—	10	0'3	0'4	30	Dull, with ☉ showers.
21	30'04	'76	48'2	52'1	46'9	53'0	3'0	0'4	265	379	79	97	—	3	SW	22	10	10	—	10	0'8	2'9	39	Overcast. Steady ☉ p.
22	29'61	29'64	55'2	54'8	51'0	56'9	1'4	1'6	395	384	91	89	W	20	SW	12	10	9	—	10	4'0	—	50	Dull and squally, with ☉.
23	29'86	30'11	50'3	44'2	43'7	57'1	4'8	1'7	252	253	69	87	NW	21	—	1	1	0	—	10	5'4	32	☉. Fine and bright.	
24	30'06	29'91	53'0	54'5	41'0	54'8	2'2	0'6	342	408	85	96	SSW	17	SW	24	10	10	—	10	0'7	—	35	Overcast. ☉ p.
25	'00	30'02	47'2	48'3	46'5	54'5	2'4	1'8	269	294	84	88	W	5	WSW	10	3	0	—	10	4'0	40	Fine, pleasant day.	
26	'14	30'18	51'0	49'2	46'8	56'8	2'0	1'3	323	318	86	91	W	9	—	3	6	3	—	10	5'6	38	Fine and sunny.	
27	30'08	29'96	52'3	52'8	47'4	54'4	2'3	3'2	331	318	84	80	SSE	27	SE	26	9	8	—	10	1'6	39	Fine a., then dull.	
28	29'86	29'90	54'2	55'2	41'8	56'8	1'3	1'8	363	384	91	88	SSE	27	S	23	10	9	—	10	3'2	—	39	☉
29	30'05	30'21	51'1	51'8	47'8	55'2	0'3	0'3	368	378	98	98	N	5	—	0	10	≡	—	10	4'9	—	49	Dull day.
30	30'24	30'25	49'8	49'3	48'5	56'6	1'0	1'1	333	323	93	92	E	5	ENE	10	2	0	—	7'1	42	Beautifully fine. ☹		
M.	29'930	29'923	50'3	50'8	45'5	54'9	2'3	2'5	311	318	84	84		12		13	6'3	5'0	1'21	93	39'3			

\* Miles per hour.

† Beaufort Scale (0—12).

ARMAGH, a.—NOVEMBER 1908.

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.		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.	Min.	Max.	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.	50°4	52°3	38°0	55°0	0°4	1°0	in.	in.	%	%	*	*			ins.	hrs.	°			
2	29°85	29°84	50°4	52°3	38°0	55°0	0°4	1°0	356	365	97	93	—	2	SSE	6	10	100	050	35		
3	81	79	55°4	52°0	51°3	58°0	1°2	1°0	404	361	92	93	—	2	—	2	10	10	—	02	51	
4	78	78	50°3	49°4	49°4	56°9	0°7	0°9	347	330	95	94	—	3	—	2	10	10	—	34	48	
5	83	88	49°0	44°1	44°1	52°8	0°9	0°6	325	276	94	95	—	2	—	0	10	10	005	—	40	
6	92	88	44°5	43°2	39°3	53°0	0°2	0°8	288	262	98	93	—	1	—	0	10	10	012	07	36	
7	88	84	46°0	46°0	39°8	49°9	0°2	1°7	306	272	99	88	—	1	—	2	10	10	—	—	36	
8	72	59	46°3	36°2	36°2	49°3	1°4	0°8	281	199	90	93	E	4	NE	4	10	0	—	32	32	
9	56	58	35°7	33°0	31°5	46°2	1°1	2°0	190	147	90	78	—	2	—	1	0	0	—	76	25	
10	63	60	32°3	36°5	28°3	50°0	1°0	2°8	162	165	88	77	—	0	—	3	3	6	—	50	22	
11	50	40	38°8	48°0	32°2	49°7	1°1	1°2	215	304	91	92	—	3	S	7	10	8	190	04	26	
12	40	26	52°8	54°2	47°2	57°3	1°1	2°9	369	340	92	81	SSE	9	S	13	10	9	057	14	45	
13	58	46	46°0	51°0	45°0	55°0	1°7	3°4	272	298	88	78	S	7	S	15	3	10	050	30	44	
14	65	47	43°3	45°4	39°0	52°3	1°5	2°0	248	258	88	86	SSW	4	NE	7	0	10	485	36	37	
15	29°78	96	44°3	38°5	38°5	55°0	1°3	1°9	261	196	90	85	—	2	—	2	2	0	—	70	33	
16	30°00	92	44°0	47°0	36°0	50°9	2°0	3°4	244	245	84	77	—	2	S	8	0	10	—	36	31	
17	29°77	29°84	49°3	46°2	46°0	53°0	1°7	4°0	308	227	88	73	SSW	10	S	4	10	10	053	17	45	
18	97	30°06	45°6	45°5	41°9	52°0	1°3	1°7	276	266	90	88	—	3	SW	7	9	10	—	27	40	
19	90	29°74	47°6	41°7	41°7	51°1	1°0	2°7	305	249	93	94	SW	10	S	6	10	7	575	—	41	
20	89	95	43°3	40°6	38°6	50°9	1°5	2°0	248	212	88	85	NW	4	—	3	0	10	010	58	35	
21	80	84	43°6	40°5	40°5	48°8	0°1	2°5	282	202	99	80	SW	5	—	2	10	2	—	03	38	
22	77	30	44°0	50°6	40°3	50°6	0°7	0°6	272	353	94	86	SW	4	WSW	7	10	10	355	—	38	
23	19	13	48°2	45°0	44°0	55°0	2°7	3°2	272	229	82	77	W	9	W	15	10	10	280	27	42	
24	78	78	41°0	44°8	39°7	50°0	1°7	1°6	221	260	86	88	W	4	S	8	0	10	012	43	34	
25	48	52	51°5	38°2	38°2	55°0	1°7	0°5	336	220	89	96	SSW	20	WSW	8	10	0	183	—	37	
26	55	60	41°2	39°3	35°8	48°5	1°6	1°4	225	213	88	89	SW	15	SW	10	8	9	300	35	35	
27	74	86	47°6	40°5	39°3	49°9	0°9	1°5	308	281	94	89	SSW	7	SSW	9	9	10	018	—	39	
28	69	46	48°0	51°7	40°0	52°3	2°4	2°8	276	313	83	81	S	15	S	15	9	10	430	01	44	
29	44	29°70	47°7	42°2	42°2	54°0	0°2	1°2	326	243	99	90	—	2	SW	7	10	8	—	—	40	
30	29°98	30°13	39°4	38°6	37°6	48°8	1°4	1°8	214	199	89	85	—	2	S	4	0	0	—	67	36	
31	30°16	30°13	33°5	37°5	32°3	45°2	0°5	0°9	182	207	94	92	—	1	—	0	10	0	—	57	26	
M.	29°733	29°708	45°0	44°2	40°0	51°9	1°2	1°8	277	256	91	87		5		6	6°4	7°6	3°065	72	37°0	

MARKREE CASTLE, SLIGO, a.b.—NOVEMBER 1908.

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

1	29°88	29°86	52°5	53°0	47°6	55°4	1°5	0°5	'354	'389	89	97	S	4	SE	4	10	10●	'24	—	44	● <sup>2</sup> afternoon.	
2	'87	'83	54°0	50°0	48°4	60°4	0°5	1°0	'403	'334	97	93	Calm	0	Calm	0	10	10	—	1'3	40	Fine and mild.	
3	'82	'82	53°3	50°0	44°9	58°4	1°8	1°0	'357	'334	88	93	SE	2	Calm	0	7	9	—	1'7	39	Fine and mild.	
4	'91	'96	50°0	42°7	41°3	55°0	1°2	0°7	'329	'259	92	94	SE	1	Calm	0	6	8	—	2'9	34	Fine day.	
5	'99	'95	46°5	45°4	36°3	51°1	0°5	0°4	'304	'294	96	97	SE	1	Calm	0	10	9	—	—	32	Overcast day.	
6	'94	'90	49°0	47°5	39°0	51°3	1°6	0°5	'308	'316	89	96	SE	2	SE	2	10	10	—	—	31	Dull day.	
7	'77	'65	46°8	38°0	37°9	52°5	1°8	1°2	'277	'204	87	89	Calm	0	E	1	9	0	—	1'4	29	Fine day.	
8	'61	'64	42°0	30°8	29°9	48°0	3°0	0°8	'207	'152	78	88	Calm	0	Calm	0	0	0	—	7'3	21	⌋. Fine cool day.	
9	'66	'62	38°5	38°0	27°0	48°4	2°5	1°5	'185	'199	80	87	SE	3	SSE	4	7	1	—	3'8	19	⌋. Fine cool day.	
10	'48	'45	42°0	49°9	35°4	52°0	2°0	1°0	'235	'333	85	93	SE	5	SSE	2	10	7	'09	'05	30	● <sup>1</sup> showers.	
11	'41	'35	54°5	52°0	40°9	58°2	2°0	3°0	'368	'310	87	80	S	4	S	3	10	10	'02	'05	43	● <sup>1</sup> showers.	
12	'67	'54	48°0	47°7	39°3	55°0	2°0	1°4	'285	'297	86	90	S	2	SW	3	2	9	'02	'26	29	Fine day.	
13	'72	'58	39°0	43°8	31°4	49°3	0°7	0°8	'224	'267	84	94	Calm	0	NE	1	5	7	'29	'10	24	⌋. Fine day. ● p.	
14	29°93	30°03	48°8	37°7	33°8	53°4	1°8	3°7	'300	'159	87	70	Calm	0	Calm	0	7	0	—	3'3	26	Fine day.	
15	30°04	29°95	44°0	49°8	31°4	51°0	1°5	2°5	'255	'295	88	83	S	4	S	3	10	10	'09	'05	26	⌋. Gloomy day.	
16	29°86	29°95	50°0	45°0	44°0	53°7	1°0	3°0	'334	'233	93	78	NW	1	NNW	3	10	3	'02	'40	37	Fine day.	
17	30°12	30°17	48°5	47°3	43°9	52°3	2°5	1°6	'280	'287	82	89	NW	2	SSW	3	10	9	'05	—	36	Gloomy. ● <sup>1</sup> showers.	
18	29°95	29°88	50°8	47°0	45°4	53°0	0°8	3°5	'351	'243	94	76	NW	2	WSW	3	10	10	'25	'07	40	● <sup>2</sup> showers A. Fine p.	
19	30°03	30°06	47°5	43°4	41°7	50°9	5°0	1°9	'220	'241	67	85	NW	3	Calm	0	7	10	'20	'53	37	Fine day. ●A n.	
20	29°94	29°98	49°9	46°0	41°0	50°5	3°9	3°0	'266	'244	74	79	NW	3	W	1	10	10	'03	'01	37	Overcast day.	
21	'84	'45	47°0	54°0	43°8	55°0	2°0	1°0	'275	'388	86	93	S	1	SSW	3	10	10	'61	—	39	● <sup>2</sup> all day.	
22	'37	'36	49°0	45°5	44°0	55°5	3°6	0°5	'263	'293	75	96	W	3	WNW	8	9	10	'27	'28	40	Fine A. ⌋ ● <sup>1</sup> showers.	
23	'93	'80	47°3	46°5	43°4	50°8	4°3	1°5	'230	'281	71	89	Calm	0	SSE	4	3	10	'14	'10	33	Fine till 6p. ● n.	
24	'52	'63	53°0	39°0	37°5	55°4	1°5	2°0	'361	'190	90	84	S	4	NW	3	10●	9●	'24	—	30	● showers. ⌋ evening g.	
25	'67	'74	42°0	43°0	35°0	47°3	1°5	1°0	'235	'255	86	86	SW	3	Calm	0	4	7	'17	'32	31	● showers.	
26	'91	'91	50°3	48°0	42°0	56°3	2°0	2°0	'314	'285	86	86	N	1	SSE	3	10	10	—	0'7	37	Mild day.	
27	'71	'41	50°0	52°9	46°0	54°5	3°0	1°9	'286	'348	80	87	SE	4	S	7	10	10	'26	—	43	S.E. ⌋ all day. ● <sup>2</sup>	
28	29°55	29°80	43°0	35°3	34°0	54°3	0°5	0°5	'266	'198	96	95	Calm	0	Calm	0	7	0	—	—	27	⌋. Dull day.	
29	30°07	30°20	33°0	36°7	28°0	50°0	1°5	0°7	'157	'204	83	94	Calm	0	Calm	0	3	0	—	5'3	22	⌋. Fine day.	
30	30°24	30°19	30°0	43°5	26°2	44°1	0°5	1°0	'153	'260	92	92	Calm	0	Calm	0	10≡	10	—	2'8	19	≡ n. Bright a. ≡ p.	
M.	29°813	29°788	46°7	45°0	38°9	52°8	1°9	1°5	'279	'270	86	89	1°8				2°0	7°9	7°3	2°99	53	32°5	

\* Miles per hour.

† Beaufort Scale (0-12).



DUBLIN (PHŒNIX PARK), a.—NOVEMBER 1908.

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

Long.  $6^{\circ} 21' W.$  Lat.  $53^{\circ} 22' N.$  Gravity Correction,  $+0.22$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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 (°F.)	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	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.	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	ins.	hrs.	°	Overcast day.	
2	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.40	—	34	Cloudy day. Clear n.	
3	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	2.3	42	Cloudy day.	
4	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	1.8	42	Cloudy day.	
5	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	36	Overcast day. ≡ p.	
6	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	30	≡ a. Fine day.	
7	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	30	Dull and overcast.	
8	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	33	Fine day.	
9	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	26	Fine, bright day.	
10	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	24	Fine, bright day.	
11	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	—	—	24	Overcast day.	
12	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.45	0.3	24	Overcast day.	
13	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.50	0.5	40	° 1 a. and p.	
14	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.40	—	38	° 9.40a.—10.40a.	
15	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	3.6	38	° 5.30p.—8p.	
16	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
17	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
18	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
19	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
20	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
21	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
22	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
23	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
24	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
25	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
26	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
27	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
28	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
29	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
30	29.87	29.91	53.8	52.7	40.8	56.5	2.1	1.0	3.56	3.70	86	93	E	7	ESE	5	10	10	0.25	2.8	27	Fine, bright day.	
M.	29.846	29.818	46.3	45.5	39.6	52.9	2.2	1.9	2.70	2.68	84	86	6	6	6.9	5.6	1.295	80	33.4				

BIRR CASTLE, KING'S COUNTY, a.b.—NOVEMBER 1908.

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° 80	54° 5	50° 7	49° 51	55° 0	0° 6	0° 9	408	403	96	95	SSE	2	SSE	3	100	10	—	274	—	—	Overcast, with ●.
2	79	75	55° 0	50° 9	47° 1	57° 0	0° 5	1° 0	418	348	97	93	SSE	3	SE	2	10	7	—	0° 1	—	—	Overcast day.
3	73	75	55° 3	46° 5	44° 8	57° 9	2° 5	1° 3	367	286	84	90	SE	1	SSE	1	8	10	—	0° 1	—	—	Overcast day.
4	80	86	40° 6	44° 7	39° 1	57° 0	0° 6	1° 1	303	271	96	92	S	2	SE	1	8	10	10	—	1° 1	—	≡ a. Cloudy day. ☐ p.
5	90	88	42° 7	42° 0	38° 8	54° 5	0° 5	0° 5	259	256	94	96	Calm	0	SE	2	9	10	—	1° 5	—	—	Cloudy day. ☐ p.
6	85	81	49° 5	46° 7	40° 2	50° 9	2° 5	1° 4	292	286	83	90	ESE	1	SE	2	10	10	—	—	—	—	Overcast day.
7	68	54	47° 4	40° 6	38° 7	48° 3	2° 6	0° 8	267	236	83	93	SE	2	SE	2	3	2	—	1° 0	—	—	Cloudy day.
8	51	54	36° 7	36° 7	32° 0	47° 7	0° 8	2° 2	202	177	93	82	Calm	0	Calm	0	2	3	—	7° 3	—	—	Fine day.
9	59	58	43° 3	39° 7	26° 4	49° 9	2° 3	0° 6	231	232	82	95	SE	3	SE	4	3	4	—	7° 0	—	—	Fine day.
10	41	43	45° 7	48° 7	38° 8	51° 9	1° 1	1° 0	282	319	93	93	S	4	S	1	8	4	—	0° 5	1° 6	—	● a. Cloudy, with ● shower
11	43	35	54° 7	52° 0	46° 3	57° 1	1° 0	2° 6	400	320	94	82	S	2	S	3	8	6	—	0° 35	—	—	Overcast, with ● showers.
12	62	45	47° 7	51° 9	42° 8	55° 9	2° 1	1° 0	293	359	85	93	S	2	S	1	7	100	—	0° 86	2° 5	—	Cloudy day. ● n.
13	68	29° 37	41° 0	47° 5	36° 6	53° 4	0° 4	1° 4	248	294	97	90	S	1	SSE	2	10	10	—	3° 58	0° 6	—	Cloudy day. ● n.
14	29° 85	30° 02	43° 7	37° 7	36° 7	51° 7	0° 8	0° 8	267	211	93	93	W	2	Calm	0	6	10	—	5° 5	—	—	● showers a. Fine day.
15	30° 04	29° 97	38° 1	46° 8	31° 8	51° 9	0° 4	1° 7	221	279	96	88	SE	1	S	1	3	10	—	0° 05	4° 5	—	Fine day. ● n.
16	29° 87	29° 93	51° 3	47° 0	42° 8	53° 6	2° 0	2° 1	327	273	86	85	S	3	S	2	10	7	—	0° 12	1° 1	—	Cloudy day. ●° showers n.
17	30° 09	30° 17	48° 7	47° 6	44° 6	50° 9	2° 6	1° 7	281	289	82	88	SSW	2	SW	2	9	8	—	0° 04	—	—	Overcast day.
18	05	29° 90	48° 7	47° 7	44° 8	52° 0	0° 9	1° 9	322	285	94	87	WSW	3	SW	3	10	10	—	1° 52	—	—	Overcast, with ●.
19	30° 00	30° 03	39° 7	43° 9	38° 0	48° 8	0° 7	1° 9	230	245	94	85	WNW	2	SW	3	3	10	—	0° 21	6° 2	—	Fine day.
20	29° 92	29° 95	47° 7	43° 5	40° 9	50° 0	1° 0	1° 6	307	248	93	87	W	2	WSW	3	4	3	—	1° 2	—	—	● showers early a.
21	88	49	47° 7	54° 0	40° 8	54° 8	2° 8	1° 1	266	385	81	92	W	3	W	6	9	100	—	3° 56	—	—	Overcast, with ●.
22	39	42	51° 7	49° 7	45° 0	57° 0	2° 8	3° 8	313	267	81	74	W	6	WNW	7	10	10	—	0° 09	2° 9	—	Squally. ● showers. < p.
23	88	85	43° 8	48° 5	41° 8	52° 8	2° 0	3° 3	243	263	84	77	NW	1	S	1	2	100	—	0° 03	2° 3	—	Squally a. Cloudy day.
24	63	67	53° 9	43° 7	42° 0	55° 8	2° 1	2° 6	357	229	87	80	SW	4	WSW	4	10	10	—	1° 84	—	—	Overcast, with ●.
25	71	75	44° 7	45° 0	37° 0	47° 7	2° 8	1° 3	235	268	79	90	WSW	4	WSW	2	100	10	—	1° 86	2° 0	—	● showers.
26	88	92	50° 7	49° 7	44° 6	51° 7	1° 8	2° 8	325	288	88	81	SW	3	S	2	10	10	—	0° 02	—	—	Overcast day.
27	72	49	50° 7	53° 7	45° 7	54° 6	2° 7	1° 6	302	367	82	89	SSW	1	SW	6	10	10	—	0° 82	—	—	Overcast day. ●° n.
28	29° 51	29° 78	48° 7	41° 7	40° 8	55° 7	0° 5	0° 8	332	248	96	94	W	1	Calm	0	10	10	—	0° 10	—	—	Overcast day.
29	30° 02	30° 14	36° 0	34° 6	32° 8	46° 8	0° 2	1° 5	208	171	98	85	Calm	0	Calm	0	2	6	—	5° 8	—	—	Fine day.
30	30° 16	30° 11	28° 7	48° 7	27° 1	49° 7	0° 2	1° 6	153	304	96	89	Calm	0	S	1	7	10	—	0° 13	—	—	Overcast day.
M.	29° 780	29° 757	46° 5	46° 2	39° 9	52° 8	1° 5	1° 6	289	280	90	88		2° 0	2° 2	7° 4	8° 3	2° 467	55	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

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

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. Hourly Run.	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	— 7	— 5	— 19	5. 55	— 5	— 2	— 1	— 1	— 10	5. 30	14, 13	12, 12	11, 12	11, 13	11, 20	6
2	— 19	— 37	— 11. 10	— 4	— 4	— 3	— 3	— 6	— 8	16. 40	10, 29	9, 25	10, 25	10, 22	10, 29	9
3	— 20	— 11	— 35	8. 55	— 2	— 2	— 1	— 3	— 6	9. 25	10, 30	9, 32	10, 26	10, 23	9, 32	12, 13
4	— 16	— 6	— 32	11	— 3	— 9	— 6	— 5	— 15	11. 40	10, 20	10, 19	9, 27	10, 27	9, 29	20
5	— 15	— 9	— 29	11. 40	— 2	— 1	— 7	— 3	— 13	17. 30	10, 20	10, 20	9, 20	9, 21	10, 25	1
6	— 14	— 11	— 30	23. 25	— 5	— 9	— 11	— 13	— 24	18. 30	10, 24	11, 20	9, 19	10, 22	9, 25	8
7	— 19	— 22	— 45	15. 35	— 15	— 15	— 19	— 19	— 30	17. 55	10, 32	10, 34	10, 32	9, 33	10, 35	12
8	— 20	— 18	— 43	12. 15	— 30	— 25	— 25	— 22	— 45	9. 30	8, 24	9, 23	8, 17	7, 10	8, 28	2
9	— 14	— 12	— 30	0. 5	— 18	— 10	— 12	— 13	— 30	6. 40	10, 28	11, 24	11, 24	11, 23	10, 32	5
10	— 22	— 15	— 29	11. 30	— 10	— 6	— 11	— 13	— 24	22. 30	14, 27	15, 34	19, 12	19, 13	15, 34	13
11	— 18	— 31	— 38	19. 35	— 12	— 15	— 16	— 14	— 31	23. 0	17, 17	17, 28	19, 26	18	17, 30	16, 19
12	— 10	— 13	— 23	23. 40	— 10	— 6	— 7	— 2	— 32	1. 20	0, 18	11, 17	17, 14	18, 13	18, 15	24
13	— 4	— 19	— 42	22. 55	— 8	— 10	— 1	— 6	— 24	10. 25	22, 6	16, 11	17, 18	23, 20	25, 28	22, 23
14	— 15	— 13	— 32	11. 50	— 15	— 6	— 1	— 4	— 25	8. 35	29, 20	30, 18	31, 18	32, 18	26, 31	4
15	— 8	— 4	— 22	0. 10	— 8	— 10	— 9	— 6	— 18	4. 40	32, 9	5, 5	— 3	7, 4	32, 14	1, 2
16	— 2	— 0	— 9	3. 15	— 6	— 5	— 2	— 5	— 11	13. 5	— 0	15, 25	9, 23	11	27, 32	15, 23
17	— 5	— 4	— 15	14. 25	— 6	— 13	— 3	— 4	— 22	11. 5	32, 12	32, 9	30, 7	28, 7	32, 30	2, 5
18	— 13	— 13	— 25	23. 45	— 3	— 8	— 14	— 15	— 28	33. 40	25, 9	25, 17	26, 27	26, 26	26, 31	24
19	— 22	— 7	— 43	6. 35	— 9	— 24	— 25	— 12	— 47	15. 20	31, 29	31, 26	31, 17	30, 13	29, 37	7
20	— 7	— 10	— 21	17. 10	— 1	— 6	— 13	— 12	— 36	23. 45	26, 12	28, 15	32, 19	30, 17	30, 20	17
21	— 8	— 16	— 39	20. 30	— 23	— 15	— 4	— 10	— 37	9. 5	29, 10	24, 16	22, 24	24, 39	24, 39	21, 22, 23, 24
22	— 21	— 15	— 43	1. 35	— 11	— 15	— 21	— 14	— 36	17. 55	25, 36	25, 37	27, 45	27, 44	27, 51	24
23	— 17	— 3	— 50	2. 0	— 29	— 28	— 10	— 9	— 60	7. 0	28, 28	28, 20	25, 10	22, 9	27, 51	1, 2
24	— 25	— 20	— 35	13. 0	— 8	— 18	— 22	— 23	— 45	22. 20	20, 14	21, 20	22, 26	22, 23	25, 27	22
25	— 13	— 12	— 22	0. 0	— 6	— 8	— 12	— 15	— 37	0. 5	26, 20	26, 20	25, 26	25, 23	25, 26	18, 20
26	— 11	— 5	— 19	11. 25	— 16	— 12	— 14	— 14	— 29	12. 20	24, 16	24, 13	24, 6	17, 7	25, 21	4
27	— 24	— 28	— 34	20. 35	— 0	— 15	— 14	— 17	— 26	8. 35	15, 21	16, 22	16, 22	15, 26	15, 30	20
28	— 26	— 25	— 33	12. 0	— 17	— 19	— 20	— 14	— 29	17. 55	16, 26	17, 31	18, 24	1, 11	17, 31	13
29	— 4	— 0	— 27	0. 5	— 6	— 6	— 9	— 5	— 24	1. 30	5, 9	6, 8	8, 6	9, 5	3, 15	1
30	— 13	— 12	— 23	16. 55	— 5	— 4	— 1	— 1	— 8	8. 55	12, 12	13, 10	13, 4	10, 8	10, 15	6

\* No Record.  
 † Robinson Cup Anemometer; Arms 2 feet; Diameter of Cups 9 inches; Factor 2.2.  
 ‡ Robinson Cup Anemometer; Arms 1 foot; Diameter of Cups 5 inches; Factor 2.8.  
 § Dines Pressure Tube Anemometer.  
 The velocities at fixed hours are means for the interval from 30 minutes before to 30 minutes after the hour. The hours are numbered 1<sup>h</sup> to 24<sup>h</sup>. Time is referred to Greenwich Mean Time, except at Kingstown and Roches Point, where Dublin Mean Time is used. Directions are not specified if the velocity is less than 4 miles per hour.



## 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.	Hour.	D.	V.	D.	V.	D.	V.	hr. min.	D.	V.	D.	V.	D.	V.	hr. min.	
1	—	2	3	4	3	8	7	12	7	13	7	15	11	4	—	2	—	7	1	
2	—	3	4	6	3, 3	12, 14	11	13	9	12	10	26	—	1	12	—	2	8	3	
3	3	4	2	6	2	20	21	11	11	13	9	0	—	2	—	0	—	14	23	
4	—	8	7	8	4	10	9	11	6	11	9	10	1	—	1	—	3	2	0	
5	—	2	—	1	2	8	9	8	7	16	10	14	7	12	17	4	—	24	9	
6	—	3	7	4	7	21	10	5	8	5	8	9	—	8	10	10	8	17	35	
7	7	5	4	4	8	14	15	10	9	11	14	8	—	10	8	12	8	7	16	
8	7	10	32	6	10	12	10	5	14	7	12	8	—	11	5	10	6	26	32	
9	—	2	—	3	32	4	8	8	17	5	10	7	—	8	23	8	17	8	17	
10	15	10	14	10	15	11	13	17	13	16	13	15	—	8	9	12	5	12	15	
11	16	6	15	12	15	21	13	13	15	13	14	17	—	15	18	14	20	15	21	
12	22	10	—	3	22	11	21	14	21	14	15	8	—	17	15	16	20	16	22	
13	21	5	—	2	17	12	—	2	28	6	10	8	—	20	10	18	10	15	13	
14	—	3	32	7	13	15	10	5	29	14	31	11	—	28	7	—	2	10	13	
15	—	2	—	2	19	4	12	5	14	9	15	10	—	26	3	30	23	18	25	
16	18	7	20	8	17, 17, 23	9	14	11	15	13	22	19	—	29	2	16	6	18	7	
17	24	18	21	8	22	18	25	25	25	26	24	22	—	31	20	16	20	25	21	
18	21	14	24	14	22	15	23	25	22	27	25	23	—	10	25	24	20	24	21	
19	30	8	—	3	23	14	31	19	29	15	31	5	—	21	23	21	25	23	13	
20	19	6	25	13	27	15	15	7	23	27	27	27	—	30	29	31	18	29	21	
21	21	7	18	10	23	19	26	20	24	19	17	14	—	21	12	26	23	27	27	
22	24	18	23	23	23	29	24	27	25	38	25	46	—	24	18	22	13	19	25	
23	27	12	—	3	27	28	30	33	29	27	30	8	—	23	23	24	37	24	45	
24	19	9	20	15	24	17	16	13	19	24	19	26	—	29	32	29	26	27	7	
25	21	17	22	15	23	18	22	34	21	32	22	32	—	20	23	19	28	19	26	
26	25	17	23	11	23	18	23	23	24	25	23	15	—	21	27	22	28	22	29	
27	18	12	16	12	23	18	15	13	16	12	12	11	—	22	22	23	24	23	13	
28	16	15	18	14	15	17	14	18	16	16	28	16	—	18	22	17	21	26	23	
29	—	2	—	1	20	4	18	7	20	8	18	8	—	16	25	17	21	28	4	
30	—	3	—	1	14	15	11	7	6	4	9	8	—	2	4	11	6	—	3	

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.	Hour.	D.	V.	D.	V.	D.	V.	Hour.	D.	V.	D.	V.	D.	V.	hr. min.
1	—	*	—	*	*	15	9	13	11	15	8	13	11	14	13	11	21	8	5
2	7	6	8	6	18	14	4	13	7	13	4	13	4	11	12	8	15	19	17
3	8	6	7	4	14	15	9	9	6	5	23	4	17	10	10	14	27	12	25
4	—	2	—	2	12	14	—	0	14	7	15	4	—	9	17	16	*	*	*
5	7	6	7	7	18	—	1	9	12	10	12	11	—	17	17	13	17	17	30
6	—	2	—	2	23	—	11	18	12	7	8	20	—	22	22	19	19	16	5
7	—	1	10	4	16	—	8	15	7	15	8	21	—	25	27	18	17	23	35
8	—	1	—	3	24	—	13	15	14	12	18	4	—	10	22	11	20	20	11
9	11	4	11	9	18	—	15	18	*	*	*	?	—	25	23	24	29	39	25
10	—	—	—	—	19	20	—	16	22	15	15	12	—	35	*	*	*	*	*
11	4	4	15	9	6	11	15	10	17	14	16	14	—	33	41	25	16	49	12
12	21	12	19	7	3	—	23	4	18	7	12	24	—	10	26	30	23	44	20
13	32	4	—	3	6	11	20	26	29	15	24	15	—	5	28	26	24	55	15
14	—	7	19	10	20	11	—	2	21	5	19	4	—	28	21	11	9	41	0
15	22	16	22	15	20	22	17	13	21	23	22	25	—	8	7	7	*	*	10
16	24	17	24	10	10	—	23	24	23	20	22	21	—	15	15	12	*	28	13
17	23	15	24	10	11	—	22	19	21	20	24	23	—	*	*	*	*	*	15
18	27	6	27	5	15	—	24	24	26	15	24	12	—	11	16	18	16	30	40
19	27	15	28	10	14	—	23	19	25	23	22	24	—	18	26	8	8	49	25
20	21	10	18	10	22	23	22	14	20	11	21	32	—	14	18	20	10	35	4
21	24	18	23	18	16	—	32	32	35	33	37	23	—	10	12	24	28	43	35
22	26	10	—	3	2	—	24	25	25	13	19	7	—	19	33	28	30	61	15
23	21	18	24	16	15	—	19	25	18	21	24	18	—	17	12	10	21	61	50
24	22	18	23	12	6	11	22	34	22	32	32	31	—	22	31	17	12	45	30
25	24	7	—	3	1	—	22	24	22	16	20	11	—	12	20	11	12	33	12
26	20	12	18	20	23	24	15	17	14	7	18	16	—	8	15	16	17	34	35
27	24	6	21	9	8	9	23	14	—	2	19	5	—	31	35	35	31	45	12
28	22	11	21	9	16	—	—	3	17	7	—	2	—	6	—	—	—	50	1
29	20	6	22	4	1	3	15	4	—	—	—	?	—	9	7	3	6	12	5

## 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.	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	7	6	8	6	15	9	13	11	15	8	11	14	13	11	—	7
3	8	7	7	8	14	4	13	7	13	4	12	12	10	11	—	12
4	8	6	7	4	9	9	6	5	23	4	17	10	16	10	—	14
5	—	2	—	2	—	0	14	7	15	4	—	2	14	9	—	12
6	7	6	7	7	18	1	9	12	10	12	11	18	10	19	—	20
7	—	2	—	2	11	18	12	7	8	20	8	25	19	20	—	32
8	—	1	10	4	8	15	7	15	8	21	10	20	10	23	—	41
9	—	1	3	10	13	15	14	12	18	4	17	10	12	21	—	36
10	11	4	11	9	15	10	17	14	16	14	—	20	18	10	—	39
11	4	15	9	16	23	4	18	7	12	24	20	8	10	31	—	28
12	21	12	19	7	23	15	23	23	22	16	23	26	7	—	—	13
13	32	7	—	3	23	4	18	7	12	24	20	8	10	31	—	49
14	21	7	—	3	20	26	29	15	24	15	23	14	25	32	—	35
15	20	7	19	10	—	2	21	5	19	4	26	10	1	—	—	10
16	22	16	22	15	17	13	21	23	22	25	22	21	22	25	—	8
17	24	17	24	10	23	24	23	20	23	22	16	23	26	7	—	18
18	23	15	24	10	22	19	21	20	24	24	22	12	22	33	—	24
19	27	6	27	5	22	24	26	15	24	12	22	12	25	30	—	14
20	27	15	28	10	23	14	20	11	21	32	23	31	25	25	—	22
21	21	10	18	10	23	32	23	35	37	37	24	45	22	45	—	17
22	24	18	—	3	24	25	23	35	37	37	24	45	22	45	—	1
23	26	10	—	3	24	25	23	35	37	37	24	45	22	45	—	12
24	21	18	24	16	22	24	22	16	20	18	11	18	11	23	—	7
25	22	18	23	12	22	24	22	16	20	18	11	18	11	23	—	12
26	24	7	—	3	23	14	7	18	16	17	21	18	27	17	—	17
27	20	12	18	17	23	14	—	2	19	5	20	4	15	22	—	2
28	24	6	21	9	—	3	17	7	—	3	—	2	20	11	—	4
29	22	11	21	9	—	1	15	4	—	—	—	—	—	—	—	7
30	20	6	22	4	—	—	—	—	—	—	—	—	—	—	—	5

\* 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.—DECEMBER 1908.

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.		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.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		Min.	hrs.			
1	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	Very fine all day.			
2	30.08	30.05	45.3	46.5	43.6	48.0	1.0	1.3	279	286	92	90	WSW	5	WSW	4	8	05	0.1	Muggy and mild.			
3	29.99	30.04	49.6	49.0	43.8	50.8	0.6	0.2	340	343	96	99	W	15	—	2	10	—	—	≡ a. Muggy day.			
4	30.03	29.97	48.2	48.5	47.0	49.0	0.2	0.5	332	328	99	96	—	3	SE	12	9	10	—	Mild and muggy.			
5	29.88	29.83	45.5	45.5	42.5	48.6	1.5	0.6	270	292	89	96	S	13	SSW	7	10	5	—	Dull day. • showers.			
6	68	37	47.8	49.0	44.8	50.8	0.8	2.0	312	298	84	86	S	10	SW	20	10	16	—	T. • showers.			
7	49	62	42.0	42.0	39.0	49.2	2.0	2.2	225	221	85	84	SW	21	W	15	9	6	20	0.8	Overcast, with •.		
8	54	17	41.0	48.0	37.0	48.6	2.5	0.7	206	317	81	95	WSW	19	S	22	10	23	—	1.8	Fair, cold and dry.		
9	07	29.08	44.4	38.0	37.2	49.6	2.3	1.8	242	194	83	85	WSW	15	SW	12	4	1	—	1.8	—		
10	28.79	28.84	39.0	39.3	36.8	42.3	2.2	1.9	195	204	83	85	SSW	23	SW	21	5	7	10	0.5	—		
11	28.61	28.79	37.1	39.0	35.5	41.0	1.1	2.0	199	199	90	84	SW	8	NE	12	1	3	—	2.5	—		
12	28.92	28.92	43.4	39.6	37.2	43.8	2.6	1.3	226	217	80	89	N	28	N	21	10	100	1.67	—	Fine day. [times.		
13	29.19	29.24	40.1	38.3	37.2	42.0	0.9	0.9	229	213	93	93	NW	4	SW	4	5	3	—	1.2	• from 1p. Very heavy at		
14	28.92	28.92	40.1	38.3	37.2	42.0	2.0	1.5	225	230	85	88	S	23	SW	12	10	5	07	1.1	• till 2a.		
15	29.14	29.14	40.1	38.3	37.2	42.0	2.0	2.1	234	257	84	85	S	15	SSE	18	5	6	19	1.0	• a. Fair day.		
16	28.90	28.90	40.1	38.3	37.2	42.0	1.0	1.0	204	250	92	92	E	7	SW	4	9	5	07	0.1	Fair day.		
17	29.22	29.09	41.5	44.0	39.0	45.0	0.5	1.8	251	248	96	86	—	1	S	27	4	8	—	2.1	• showers p.		
18	28.91	28.95	47.2	45.0	43.0	47.8	1.2	2.2	295	249	92	84	SSE	29	S	16	6	0	—	—	Very fine all day.		
19	29.06	29.35	43.0	41.8	40.0	45.0	1.8	2.7	238	211	86	80	SSW	14	W	24	2	3	095	1.7	Very fine.		
20	63	07	42.0	44.3	40.5	44.8	1.0	2.6	245	235	92	80	W	5	S	17	8	10	—	—	Fair day.		
21	52	32	42.0	44.3	40.5	44.8	2.0	0.8	309	273	86	94	S	23	SW	11	4	0	06	0.5	Very fine all day.		
22	82	67	44.7	49.0	41.6	50.0	1.6	1.8	259	303	88	87	S	12	S	21	2	9	08	1.4	Fine day. • p.		
23	77	56	46.2	49.0	44.8	49.4	0.4	1.0	304	322	98	93	—	2	S	19	10	100	22	—	Muggy day. • 8.30 p.		
24	89	88	40.0	45.7	39.4	49.5	1.0	1.7	226	268	92	88	—	2	SE	21	2	10	—	2.8	Very fine a.		
25	81	83	47.0	44.6	43.0	47.8	2.0	2.6	275	237	86	80	SE	23	SE	24	10	9	—	—	—		
26	91	88	43.0	44.0	41.0	46.3	30	40	215	205	78	71	SE	18	SSE	18	10	0	—	—	—		
27	81	83	43.0	37.2	37.2	44.6	30	09	215	204	78	71	SSE	33	SE	39	100	100	26	—	—	Very fine all day.	
28	85	82	31.0	29.0	28.0	38.6	10	10	148	130	85	82	SE	30	ESE	25	10	10	10	—	—	• 4p.-11p.	
29	69	62	29.0	26.6	26.0	31.8	00	06	160	125	100	87	S	37	SE	44	10	10	20	—	—	• all day.	
30	34	55	32.0	33.7	26.2	37.5	00	15	182	163	100	84	SSE	48	SSE	36	10	10	20	—	—	• 2.1	
31	74	55	37.5	38.0	33.7	40.8	36	10	146	208	69	91	SSE	39	SSE	51	3	10	18	—	—	• 2.1	
31	29.62	29.93	42.0	40.5	37.0	42.8	1.9	1.0	227	231	86	92	SW	20	SSW	6	10	0	—	1.1	—	• from 5p.	
M.	29.482	29.478	42.2	42.2	38.7	45.5	1.5	1.5	241	241	88	88	—	18	—	—	19	7.3	6.7	4.08	19	—	—



## TILLYPRONIE, ABERDEENSHIRE.—DECEMBER 1908.

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.		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.	Min.	Max.	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.	40.0	40.5	34.5	48.3	2.4	3.0	200	193	81	77	SW	1	SW	1	7	0	ins.	hrs.	°		
2	29.08	29.05	40.0	40.5	34.5	48.3	2.4	3.0	200	193	81	77	SW	1	SW	1	7	0	—	—	—	Fine and mild.	
3	29.00	28.96	44.0	39.0	38.5	48.3	0.8	0.5	270	228	94	96	SW	1	S	1	8	9	—	—	—	Fine and mild.	
4	28.90	28.88	34.5	38.0	31.0	45.7	0.9	0.4	182	220	91	96	S	1	S	1	8	7	—	—	—	Dull, with ∞.	
5	75	49	45.2	45.3	38.0	49.4	1.2	2.8	273	241	91	80	S	2	SW	6	9	9	—	—	—	∞ showers.	
6	55	71	35.5	33.8	33.0	47.4	1.2	1.8	185	158	89	81	SW	1	SW	1	2	6	—	—	—	Sunshine.	
7	66	37	37.5	44.2	31.5	45.4	2.5	1.9	177	248	79	85	SW	2	SW	4	7	8	—	—	—	Sunshine.	
8	17	28.19	43.1	33.5	33.5	49.3	2.1	0.5	233	161	83	84	NW	1	NW	6	8	0	—	—	—	Sunshine.	
9	28.13	27.98	34.5	35.0	32.0	39.7	2.9	0.5	145	194	72	95	SW	2	SW	6	0	0	—	—	—	Sunshine.	
10	27.83	27.82	33.2	35.2	31.2	38.1	0.6	1.3	177	181	93	88	S	1	NW	2	8	8	—	—	—	Frosty.	
11	27.57	27.89	35.5	35.8	33.7	38.5	1.3	0.6	183	199	88	95	N	4	N	1	9	10	—	—	—	Frosty.	
12	28.26	28.27	35.2	29.0	27.0	39.4	1.2	1.7	182	113	88	72	N	4	N	1	7	0	—	—	—	Dull, * showers. Cold.	
13	27.98	27.98	32.5	35.0	32.0	41.4	0.5	1.2	174	180	94	88	SW	1	W	1	5	0	—	—	—	Cold wind. Sunshine.	
14	28.15	28.15	36.5	38.0	32.0	40.0	1.3	0.5	191	218	89	96	S	2	S	2	8	10	—	—	—	* showers.	
15	27.87	27.87	31.1	38.0	36.2	32.0	40.2	0.9	1.8	210	180	92	85	SW	1	SW	1	9	0	—	—	—	Dull, ∞.
16	28.26	28.13	32.0	35.2	30.0	42.8	0.4	0.4	172	198	94	96	SW	1	SW	2	0	9	—	—	—	Dull, ∞.	
17	27.96	27.99	34.1	38.5	34.9	45.7	1.3	2.4	250	187	89	81	SW	2	SW	1	9	0	—	—	—	Sunshine. Frosty.	
18	28.12	28.42	37.2	34.8	33.2	40.3	1.2	2.6	198	153	89	75	S	1	W	4	5	0	—	—	—	Dull, ∞. Cold wind.	
19	67	70	34.0	37.2	30.0	39.5	1.6	0.3	164	216	83	97	NW	1	NW	1	0	9	—	—	—	Sunshine. Frosty.	
20	64	87	47.5	42.4	35.0	52.0	1.5	2.4	291	221	89	82	SW	2	SW	1	4	0	—	—	—	Sunshine. Frosty.	
21	87	79	38.2	46.4	35.0	47.8	2.2	0.6	188	301	82	96	NW	1	NW	2	4	9	—	—	—	Fresh breeze. Fine day.	
22	77	67	47.0	46.3	45.5	49.7	0.5	2.3	311	261	97	84	S	1	NW	1	8	8	—	—	—	Frosty.	
23	89	86	36.0	40.2	35.6	49.4	0.8	0.2	197	245	93	98	SE	4	SE	4	9	10	—	—	—	Dull, with ∞.	
24	79	78	37.3	35.0	33.6	43.5	0.3	0.8	216	188	97	92	SE	4	SE	4	10	10	—	—	—	Dull, with ∞.	
25	83	86	35.4	35.6	34.0	37.5	0.9	1.3	190	185	92	88	SE	2	SE	4	7	8	—	—	—	Dull, ∞. Cold.	
26	80	80	36.2	32.5	31.5	39.0	3.4	0.5	153	174	71	94	SE	2	SE	8	7	10	—	—	—	Dull, with ∞.	
27	75	72	27.6	25.0	23.2	36.8	0.3	0.4	142	120	94	89	SE	8	NE	8	10	10	—	—	—	Dull, * ∞.	
28	68	67	21.5	21.2	21.0	34.5	0.5	0.2	107	85	94	SE	4	SE	4	8	10	10	—	—	—	* +	
29	42	57	21.6	20.9	20.3	28.5	0.6	0.9	105	81	93	SE	10	SE	2	10	7	7	—	—	—	* +. Hard frost.	
30	79	74	26.0	23.6	20.4	31.7	0.8	0.6	113	106	80	84	S	2	S	4	7	8	—	—	—	* +. Hard frost.	
31	28.73	28.99	39.5	29.8	25.0	44.5	1.9	0.8	205	144	85	86	SW	2	SW	2	3	6	—	—	—	Milder. Thawing.	
M.	28.513	28.521	36.5	35.8	31.6	42.8	1.3	1.2	195	190	88	88	2.3	2.8	6.6	6.1	2.45	—	29.6	—	—	—	—

## LAUDALE, ARGYLESHIRE, a.—DECEMBER 1908.

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	30.30	30.25	45.1	50.9	39.0	51.7	2.0	2.4	254	313	85	85	S	2	SW	3	10	10	—	—	—	Overcast most of day.	
2	25	21	49.1	49.3	47.2	51.0	0.6	1.4	334	316	96	90	SE	0	SE	1	10	6	—	—	—	Overcast most of day.	
3	16	12	45.9	43.5	39.0	49.3	2.0	1.0	265	260	86	92	SE	5	SE	1	5	4	01	—	—	Dull day.	
4	30.06	30.05	49.1	49.9	40.9	51.7	1.0	2.8	324	289	93	82	W	1	W	5	10	10	43	—	—	Dull and overcast.	
5	29.82	29.70	51.1	49.2	45.0	52.2	2.1	3.5	322	268	85	76	S	6	S	5	10	6	1.50	—	—	* showers.	
6	83	94	45.6	43.5	39.3	49.2	3.9	2.5	223	229	73	80	W	5	W	2	4	7	0.12	—	—	* showers.	
7	84	55	45.7	51.9	38.9	51.9	2.2	1.0	258	359	85	93	W	4	W	7	10	10	0.65	—	—	Snow on hills.	
8	39	37	45.5	39.9	37.2	52.2	2.6	2.9	247	190	81	77	W	3	W	5	9	10	0.70	—	—	Snow on hills.	
9	29.26	29.17	41.2	43.5	35.2	44.9	1.2	4.4	233	194	91	69	W	4	W	7	10	10	0.56	—	—	Snow on hills.	
10	28.89	28.71	39.9	34.5	31.0	44.1	0.9	0.8	227	184	93	92	SE	2	SE	1	6	1	0.09	—	—	Snow on hills.	
11	28.94	29.26	41.1	41.2	30.0	43.2	2.1	2.0	214	217	83	85	N	4	NE	7	6	10	0.59	—	—	Snow on hills.	
12	29.50	35	35.2	38.3	32.0	41.2	0.2	2.2	202	189	98	82	N	1	N	3	1	10	0.62	—	—	Snow on hills.	
13	14	21	39.9	44.0	36.0	44.9	0.4	1.8	238	248	97	86	W	2	S	4	10	8	0.22	—	—	Snow on hills.	
14	23	06	44.7	41.2	40.0	45.1	0.2	0.2	251	255	86	98	SE	4	S	2	10	10	0.24	—	—	Snow on hills.	
15	06	30	40.0	38.7	35.3	42.5	0.3	0.5	241	225	98	96	Calm	0	W	1	10	2	0.08	—	—	Snow on hills.	
16	41	15	42.9	45.9	36.0	46.0	1.0	2.0	255	265	92	86	SE	4	S	6	10	4	0.30	—	—	Snow on hills.	
17	03	11	46.9	45.3	44.1	48.3	1.0	3.2	298	233	93	77	S	5	S	3	10	2	0.08	—	—	Snow on hills.	
18	40	71	40.7	41.0	38.7	47.2	2.7	3.1	257	195	81	76	NW	5	NW	2	5	4	0.30	—	—	Snow on hills.	
19	87	29.88	43.2	46.9	36.0	47.7	1.7	0.0	243	322	87	100	S	4	S	3	10	10	0.48	—	—	Snow on hills.	
20	29.82	30.05	51.5	48.0	45.1	53.2	2.5	1.8	316	290	83	87	W	5	W	2	10	3	0.01	—	—	Snow on hills.	
21	30.02	29.91	49.0	53.9	42.2	53.9	1.0	2.4	322	349	93	85	S	5	S	5	10	10	1.30	—	—	Snow on hills.	
22	29.89	77	51.5	51.9	46.0	53.9	1.5	1.0	341	359	89	93	S	4	S	5	10	10	0.62	—	—	Snow on hills.	
23	30.02	94	43.2	51.7	42.1	52.2	2.2	1.3	232	349	83	91	SE	2	S	5	3	9	—	—	—	Snow on hills.	
24	29.87	29.93	48.0	37.2	35.5	51.7	1.8	1.3	290	196	87	88	S	5	S	4	10	10	—	—	—	Snow on hills.	
25	30.05	30.00	30.2	35.4	29.2	39.2	0.2	1.4	163	180	97	87	Calm	0	SE	3	1	0	—	—	—	Snow on hills.	
26	29.90	29.85	40.2	39.2	35.0	42.1	3.3	1.2	185	216	74	90	SE	4	SE	3	10	0.08	—	—	—	Snow on hills.	
27	83	82	35.2	31.2	30.0	38.9	1.1	0.0	184	176	89	100	SE	4	SE	2	10	3	—	—	—	Overcast day.	
28	81	60	30.2	27.9	26.7	32.2	0.0	0.0	168	152	100	SE	4	SE	2	10	3	—	—	—	Overcast day.		
29	43	71	28.2	29.2	24.0	31.3	1.2	0.0	119	101	77	100	S	7	S	9	10	10	0.25	—	—	Blizzard n.	
30	88	29.81	36.1	42.7	28.9	43.0	1.2	0.5	190	203	89	96	S	7	S	5	10	10	0.12	—	—	* showers.	
31	29.94	30.20	49.0	38.5	38.0	49.9	2.3	0.5	291	223	84	96	W	5	W	1	9	3	0.70	—	—	* (sleet) showers.	
M.	29.672	29.667	42.9	42.8	36.9	46.6	1.6	1.6	248	247	88	88	3.8	3.9	8.1	7.2	9.71	—	—	—	—	—	Dull, with ▲ showers.



## COCKLE PARK (NEAR MORPETH), NORTHUMBERLAND.—DECEMBER 1908.

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.		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.	Min.	Max.	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.	%	%	W	+			ins.	hrs.	°				
2	30.00	29.95	37	37	32	45	1	1	200	200	91	91	W	2	SW	1	4	2	5.5	21	Fine and bright.		
3	29.92	29.89	36	39	33	48	1	1	193	218	91	92	NW	1	NW	1	4	4	6.0	20	Fine and bright.		
4	87	85	39	33	32	46	0	0	238	188	100	100	SW	1	W	1	10	10	0.2	20	Overcast day.		
5	80	80	37	41	28	46	0	1	220	235	100	92	SW	2	SW	2	10	5	0.3	20	Cloudy day.		
6	65	49	46	47	38	50	1	1	287	298	93	93	SE	3	SW	2	10	10	0.1	25	Overcast day.		
7	54	62	42	37	32	48	1	1	245	200	92	91	SW	1	NW	1	3	10	—	4.0	27	Fine and bright.	
8	66	43	34	44	30	46	1	1	176	265	89	92	NW	3	SW	4	4	9	—	3.8	18	Fine and bright.	
9	14	17	49	39	38	50	0	3	348	181	100	77	SW	3	W	4	10	3	0.7	22	Overcast day.		
10	29.18	29.01	36	36	32	41	0	1	212	193	100	91	SW	2	S	3	10	3	0.8	2.5	19		
11	28.69	28.28	37	38	30	40	0	0	220	228	100	100	SE	3	NW	4	10	10	1.1	21	Overcast day.		
12	28.32	28.61	38	39	32	40	3	2	173	199	75	84	NW	6	NW	7	8	10	1.0	25	Overcast day.		
13	29.11	29.17	39	33	32	40	3	1	181	167	77	89	NW	5	NW	3	6	2	0.5	26	Cloudy day.		
14	28.93	29.01	37	38	31	45	1	2	200	190	91	83	S	2	SW	2	4	8	0.5	21	Fine day.		
15	29.06	28.88	36	42	32	43	1	1	193	245	91	92	SE	3	SE	4	8	9	0.2	1.0	20	∞. ≡ 3p-7p.	
16	28.72	29.03	39	37	34	43	0	1	238	200	100	91	S	3	S	2	9	4	1.3	23	Fine day.		
17	29.16	29.06	37	42	30	43	1	1	200	245	91	92	SW	3	SE	3	3	10	0.2	1.5	19	Fine day.	
18	28.88	28.91	45	40	39	47	0	2	299	207	100	84	S	4	SW	3	10	3	0.6	—	20	Overcast day.	
19	29.09	29.45	35	35	32	44	0	2	204	164	100	80	SW	2	NW	4	8	2	—	3.3	20	Fine day.	
20	59	59	37	41	32	41	2	0	182	257	83	100	W	3	SE	2	7	10	0.1	0.1	21	Cloudy day. ≡ p.	
21	59	76	51	47	40	52	2	1	323	298	86	93	SW	4	SW	3	9	3	0.2	—	24		
22	74	65	48	47	41	50	1	1	247	245	100	92	W	4	S	1	8	4	—	3.3	24	Fine day.	
23	73	70	46	43	42	48	1	0	309	298	93	93	SE	2	SW	3	7	10	0.3	24	Cloudy day.		
24	68	68	34	37	32	43	1	2	287	277	93	100	W	2	SE	2	9	10	0.2	—	34	Cloudy and misty.	
25	71	73	38	37	30	39	2	2	176	182	89	83	S	4	SW	3	10	10	—	—	26	Overcast day.	
26	68	63	37	35	33	38	2	2	190	182	83	83	Calm	0	SW	3	10	10	—	—	25	Overcast day.	
27	58	64	29	26	25	35	1	0	130	141	82	100	SE	4	S	3	10	10	29	—	25		
28	61	61	25	25	23	27	0	0	135	135	100	100	SW	3	SW	4	10	10	55	—	21	*	
29	45	44	21	21	20	26	0	0	113	113	100	100	SE	6	SW	2	10	10	71	—	21	*	
30	75	78	21	28	16	28	0	0	113	153	100	100	SW	3	SW	7	9	10	27	—	20	*+*	
31	29.75	29.94	35	39	26	39	0	0	204	238	100	100	SW	5	S	3	6	9	13	1.5	20	Fine day.	
M.	29.432	29.436	37.5	37.6	31.6	42.5	0.8	1.0	213	210	93	92	3.0	2.9	7.9	7.4	2.89	39	22.2				

## DOUGLAS, ISLE OF MAN, a.—DECEMBER 1908.

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	30.08	30.05	45.1	44.0	42.0	48.3	0.0	0.0	300	288	100	100	SE	2	SE	1	10	—	33	Dull day. Misty.		
2	30.01	29.96	43.5	42.0	40.8	44.5	0.9	0.7	262	252	93	94	E	1	ESE	1	10	—	39	Dull day. Misty.		
3	29.93	29.91	40.9	48.0	39.8	48.7	0.6	1.0	243	309	95	93	E	1	S	2	10	065	38	Dull day. ☼ showers p.		
4	87	91	48.0	47.2	46.8	49.0	0.0	0.2	335	320	100	99	SE	3	W	2	10	144	39	Dull day ☼.		
5	77	59	50.5	47.9	46.9	51.5	0.2	0.9	362	310	98	94	SSW	3-4	W	3-4	9	393	44	Dull, with ☼ showers.		
6	67	71	42.7	41.5	39.4	48.2	1.0	2.0	252	221	92	85	W	2	NE	1	3	6	56	37	Fine day.	
7	80	60	38.0	48.5	35.5	48.8	1.0	0.6	208	326	91	95	WNW	1	SW	6-7	7	9	173	29	☼ showers afternoon.	
8	27	30	50.3	41.3	37.0	51.0	0.0	3.3	365	195	100	75	SW	8-9	W	2	10	0	33	33	☼ showers.	
9	29.23	29.11	40.7	43.0	39.2	44.9	1.7	1.5	218	245	86	88	WSW	3-4	SW	5-6	4	8	406	30	Cold day. Squally n.	
10	28.60	28.43	43.0	42.0	40.8	46.0	0.0	1.0	277	245	100	92	E	4-5	W	5-6	9	6	080	05	☼ showers.	
11	28.63	28.94	42.3	43.5	39.1	46.2	3.0	3.4	209	212	78	75	NW	7-8	NW	7-9	3	7	015	41	☼. ☼☼ showers.	
12	29.27	29.16	41.5	41.0	37.0	44.2	1.5	1.0	230	235	88	92	WNW	4-5	S	6	6	10	240	14	Squally a. ☼ showers. ☼ p.	
13	04	29.06	43.6	41.1	39.9	49.3	1.6	1.1	248	234	87	91	WSW	4	WSW	1	3	0	200	18	Fine day.	
14	29.03	28.82	45.5	46.0	40.9	48.3	0.5	0.5	293	299	96	97	SSE	4-5	S	5-6	10	10	877	02	☼ showers 10a. ☼ showers.	
15	28.86	29.10	43.0	39.0	37.0	46.3	0.8	0.8	259	222	94	94	WSW	4-5	NW	1	9	0	—	30	38	Fine day.
16	29.22	29.04	42.1	48.0	35.6	48.9	0.5	0.5	257	322	96	97	E	1	S	4	4	10	552	29	☼ showers p. ☼	
17	28.90	28.99	46.3	43.0	41.0	49.5	0.8	1.0	295	255	95	92	WSW	2	W	3	6	0	085	28	☼ showers 11a. Fine day.	
18	29.27	29.59	42.9	42.5	39.5	45.0	1.7	1.5	239	239	87	88	W	4-6	W	6	0	7	—	50	30	Fine day.
19	68	73	44.2	50.1	39.5	50.7	0.7	0.1	275	360	95	99	SW	1	WSW	2	9	10	310	34	☼ 10a.-5p.	
20	73	88	49.0	46.7	45.5	52.2	0.0	0.4	348	310	100	97	SW	3	NW	1	9	0	017	02	☼ showers a.	
21	90	84	48.0	49.9	42.5	50.3	0.5	0.0	322	360	97	100	S	3	S	5-6	9	10	084	39	☼. Squally n.	
22	79	70	49.9	49.4	43.7	50.2	0.0	0.0	360	353	100	100	S	5-6	S	5-6	10	10	326	43	Gloomy, with ☼ showers.	
23	76	73	48.2	46.2	46.0	50.6	0.0	0.0	338	313	100	100	ENE	2	ESE	4	10	10	102	44	☼ showers.	
24	65	64	41.0	37.2	35.3	47.0	2.0	1.2	215	198	84	89	ESE	5-6	ESE	5-6	9	10	—	35	Cold, dry, and squally.	
25	75	77	37.2	39.1	36.2	39.8	1.1	1.1	200	217	90	91	E	4-5	E	3-4	9	10	—	34	Cold, dry, and squally.	
26	70	62	37.4	37.5	36.0	40.0	1.2	0.7	200	211	90	94	SE	5-6	E	6-7	9	10	252	33	Cold, dry, and squally.	
27	53	51	35.0	30.7	30.0	37.6	0.3	0.7	198	154	97	80	SE	6-7	ESE	7-8	10	10	115	29	☼. ☼.	
28	60	52	30.5	30.5	29.0	32.3	1.3	1.1	138	143	80	84	ESE	7-8	ESE	9-10	9	10	110	23	☼. ☼.	
29	25	52	28.6	28.4	27.6	33.4	0.0	0.2	157	150	100	96	ESE	9-10	E	4	10	10	100	24	* till 5p. ☼. ~	
30	80	76	30.2	44.0	28.0	44.8	1.2	0.5	137	177	81	96	ESE	4-5	S	5-6	10	10	216	25	☼. ☼ 11a.-4p., and n.	
31	29.85	30.04	46.6	47.1	43.5	49.3	0.6	0.1	303	322	96	99	SW	1	WSW	1	9	10	046	28	☼ showers. ☼ n.	
M.	29.497	29.500	42.4	42.8	38.7	46.3	0.8	0.9	259	261	93	93	3.9	4.0	7.9	7.8	4.955	28	34.2			

† Beaufort Scale (0—12).

## STONYHURST, LANCASHIRE, a.—DECEMBER 1908.

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.		Air Temperature.					Humidity.	
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## SHREWSBURY, SHROPSHIRE.—DECEMBER 1908.

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.		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 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.							in.	in.	%	%	+	+			ins.	hrs.	°
2	30.18	30.14	41.9	40.0	39.3	45.5	0.0	0.3	.266	.241	100	98	S	1	S	1	10	—	41
3	30.11	30.05	41.9	40.0	39.3	47.9	0.0	0.3	.198	.185	100	100	S	1	Calm	0	10	—	32
4	30.03	30.03	41.1	40.0	31.0	45.0	0.0	0.0	.258	.247	100	100	SE	1	SE	1	10	0	31
5	30.00	30.00	42.3	41.8	37.8	47.2	0.0	0.6	.270	.251	100	96	S	1	NW	2	10	0	33
6	29.96	29.80	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
7	30.00	30.00	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
8	30.00	30.00	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
9	29.94	29.77	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
10	29.84	29.68	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
11	29.74	29.58	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
12	29.64	29.48	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
13	29.54	29.38	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
14	29.44	29.28	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
15	29.34	29.18	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
16	29.24	29.08	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
17	29.14	28.98	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
18	29.04	28.88	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
19	28.94	28.78	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
20	28.84	28.68	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
21	28.74	28.58	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
22	28.64	28.48	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
23	28.54	28.38	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
24	28.44	28.28	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
25	28.34	28.18	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
26	28.24	28.08	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
27	28.14	27.98	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
28	28.04	27.88	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
29	27.94	27.78	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
30	27.84	27.68	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
31	27.74	27.58	46.0	46.2	41.8	51.2	1.2	1.2	.283	.285	92	92	SE	2	SSW	2	8	10	0
M.	29.644	29.650	39.5	38.8	35.0	46.5	0.8	0.9	.231	.221	92	91	1.9	1.8	8.5	6.6	2.07	—	32.8

## CAMBRIDGE, a.—DECEMBER 1908.

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	30.39	30.36	43.8	37.7	37.0	50.1	0.1	0.0	283	226	100	100	SW	1	S	1	10	10 <sup>≡2</sup>	—	—	45	Overcast day.	
2	30.33	30.36	34.5	28.8	28.2	39.0	0.0	0.0	200	159	100	100	SE	1	Calm	0	10	0	—	—	38	Overcast day.	
3	25	25	35.0	37.2	25.5	39.4	0.0	0.2	204	218	100	98	Calm	0	SE	1	10 <sup>≡2</sup>	0	—	—	26	Overcast day.	
4	27	23	30.3	42.4	35.5	43.0	0.1	0.1	212	269	99	99	SW	1	SE	2	10	10 <sup>≡3</sup>	10	—	37	• 3p.-9p. <sup>≡2</sup> after 7p.	
5	19	30.08	45.0	45.0	42.0	40.9	0.0	0.7	299	282	100	94	SE	1	SE	2-3	10	10	10	10	10	39	Overcast day.
6	00	29.97	47.0	43.2	43.0	47.9	0.6	0.1	308	277	96	99	SW	1	NE	1	10 <sup>≡4</sup>	10 <sup>≡4</sup>	06	—	41	• 7.30a.-10a.	
7	30.08	30.12	35.6	37.8	34.4	44.1	0.0	0.0	208	226	100	100	Calm	0	SW	1	10 <sup>≡4</sup>	10	—	—	33	<sup>≡2</sup> 9a.-1p. <sup>≡2</sup> 4p.	
8	29.89	29.65	43.0	47.6	35.5	51.0	2.0	1.0	234	305	84	93	SW	4	S	2-3	8	10 <sup>≡2</sup>	06	1.4	32	Sunny a.	
9	67	29.63	36.0	36.1	33.2	48.4	0.0	0.2	212	209	100	98	W	1	SW	1	9	0	05	2.4	32	Bright noon-2.30p.	
10	29.12	28.74	43.8	43.5	36.0	52.9	1.2	1.1	259	258	91	91	S	6-7	SW	2	10 <sup>≡</sup>	10	0.1	1.3	28	Overcast till 1.30p.	
11	28.74	29.00	35.8	41.1	32.0	44.9	0.5	3.2	201	194	96	76	W	1	W	7	6	9	02	3.7	28	Sunny 11.30a.-3p.	
12	29.36	62	42.0	36.0	36.0	43.2	3.7	1.0	195	193	74	91	NW	5	W	1	9	4	16	1.5	31	Sunny 11a.-1p.	
13	46	49	43.7	41.0	34.0	52.0	0.7	0.4	269	253	94	97	S	2	Calm	0	9	5	24	0.1	31	• 3a.-4a. • 2p. ☼	
14	50	34	46.2	45.2	39.0	49.2	0.2	0.2	308	297	99	99	SW	1	S	2	10	0	21	—	32	Overcast. • 2p.-7p. • n.	
15	31	42	45.0	46.0	43.5	50.0	1.6	1.1	262	285	88	92	SW	3	SE	3	8	0	—	1.4	36	Sunny a., then overcast.	
16	56	53	41.9	46.3	37.9	47.1	0.0	0.4	266	305	100	97	SE	1	SE	1	10 <sup>≡3</sup>	10	06	—	31	Overcast day.	
17	37	33	46.7	46.0	40.0	51.0	1.0	0.1	296	247	93	100	SE	2	SW	1	10 <sup>≡2</sup>	0	1.4	—	39	• 2p.-4p.	
18	29.58	29.87	34.0	36.3	31.9	45.0	0.1	0.8	194	197	99	93	SW	1	Calm	0	2	0	01	2.5	29	Sunny 9.30a.-noon.	
19	30.03	30.10	40.8	42.0	34.8	45.9	1.2	0.1	230	265	91	99	W	2	SE	1	9	100 <sup>0</sup>	01	—	29	Overcast day.	
20	15	23	44.9	47.4	41.9	48.0	0.7	0.2	281	322	95	98	SE	2	SW	1	10	10	—	—	38	Overcast day. <sup>≡2</sup> 3p.	
21	28	27	47.5	47.1	46.8	50.3	0.2	0.3	324	317	98	98	SE	1	SW	1	10	10	—	—	43	<sup>≡2</sup> a. Overcast day.	
22	25	20	42.0	38.9	37.0	48.0	1.0	1.0	245	206	92	88	SE	2	SW	1	10	10	—	—	42	Overcast day.	
23	18	30.13	35.0	36.3	32.0	40.4	0.1	1.2	202	192	99	90	SE	1	SW	2	9	10	—	—	36	Overcast day.	
24	05	29.94	35.5	37.9	35.0	39.0	2.0	1.2	190	191	83	89	S	1	E	2	10	10	—	—	36	Overcast day.	
25	01	30.07	38.0	36.2	35.0	38.1	1.2	1.7	185	195	89	86	SE	3	NE	2	10	10	—	—	35	Overcast day.	
26	30.04	29.94	35.4	35.2	34.2	37.3	1.4	1.0	180	186	87	90	SE	1	E	2	10	100 <sup>0</sup>	—	—	35	Overcast day.	
27	29.90	29.88	29.9	27.0	26.5	36.0	1.0	0.7	140	123	84	85	SE	2	E	2	10 *	9	—	—	31	* 7.30a.-11.30a.	
28	94	30.03	21.0	25.5	19.0	27.9	0.0	0.0	113	138	100	100	N	1	Calm	0	5	2	0.4	2.2	21	Sunny 10.30a.-0.30p.	
29	29.79	29.76	22.9	23.0	19.9	26.5	0.0	0.2	123	115	100	94	SE	3	N	3	10 *	10 <sup>⊗</sup>	23	—	21	<sup>≡2</sup> Overcast day.	
30	30.17	30.37	17.8	7.0	7.0	24.2	0.0	1.0	097	040	100	67	Calm	0	Calm	0	0	9	3.8	27	☼ Sunny 11a.-3p.		
31	30.35	30.39	34.0	39.0	7.0	39.2	0.0	0.0	156	238	79	100	SSE	2	SSW	2	100 <sup>0</sup>	10	05	—	14	☼ Sharp, sudden thaw.	
M.	29.877	29.877	38.1	37.9	33.0	43.4	0.7	0.6	222	223	94	94	1.7	1.5	8.8	7.4	1.47	20	32.6				

† Beaufort Scale (0-12).

## CHELTENHAM, GLOUCESTERSHIRE, a.—DECEMBER 1908.

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.		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.	Min.	Max.	Dep. of Wet.		Vapour Pressure.		Percentage.	9 a.m.	9 p.m.	9 a.m.					9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.													
1	ins.	ins.	41.9	38.9	37.0	47.6	0.3	0.2	.259	.232	97	98	SW	1	SW	1	10	10	ins.	hrs.	°	Dull, damp, and cold.	
2	'14	'08	39.9	42.1	35.8	44.1	1.4	0.6	.218	.255	88	95	NE	1	SE	1	10	10	—	—	37	Dull.	
3	'06	'07	42.4	39.1	39.0	42.9	0.7	0.4	.255	.231	94	97	SE	1	SE	2	10	10	—	—	35	Dull.	
4	'05	30.05	42.7	43.9	39.0	47.6	1.4	0.1	.243	.285	88	99	SE	2	Calm	0	10	10≡	'09	—	37	Dull a. ● 11a. to 3.30p.	
5	30.02	29.88	42.7	42.7	39.0	49.1	0.2	1.0	.270	.252	98	92	S	1	SW	1	3	3	'10	1.8	33	Bright a. Dull p.	
6	29.84	'83	44.7	40.5	40.5	49.2	0.3	0.8	.288	.235	98	94	SW	1	SW	1	3	10	—	4.0	35	Bright and sunny.	
7	'95	'92	38.7	41.7	37.4	44.4	0.0	1.0	.158	.242	100	92	SE	1	SE	1	10	0	—	0.5	31	≡. Fine. ☐	
8	'65	'50	43.7	42.0	41.5	51.0	2.2	0.5	.237	.256	83	96	SW	4	SW	1	10	9	'35	0.3	36	Dull and stormy. ●	
9	29.48	29.35	41.9	42.7	33.9	45.6	2.2	1.0	.219	.252	83	92	SSW	2	SW	4	8	10	'19	2.7	29	Bright.	
10	28.80	28.63	49.4	42.7	40.3	52.1	0.8	2.8	.331	.216	94	78	SW	3	SW	3	10	10	'10	2.0	36	● early a. Dull. ● 6p.—8p.	
11	28.70	29.05	40.2	42.0	38.1	44.2	1.3	1.5	.222	.235	89	87	NW	2	W	2	3	8	—	4.1	36	Bright.	
12	29.35	'41	40.2	41.2	37.5	44.1	3.5	3.5	.182	.190	73	74	SW	2	SW	3	0	10	'06	4.9	33	Very pleasant. ● from 10.30p.	
13	'25	'30	50.7	43.5	38.5	52.7	2.1	1.6	.316	.247	85	87	SW	1	SW	1	7	3	'05	2.6	37	Bright a. ● 1p. and in evening.	
14	'26	'08	45.7	45.7	43.1	48.2	1.0	1.8	.284	.266	92	87	S	3	SW	3	10	0	'17	—	37	Dull. ● 1p. Dry n.	
15	'11	'24	44.7	45.2	44.6	50.2	2.2	0.5	.246	.289	83	96	SW	1	SW	1	3	3	'04	0.6	40	Pleasant.	
16	'37	'26	45.0	46.3	43.6	49.2	0.5	0.6	.287	.299	96	95	SW	2	SW	1	10	7	'10	2.4	40	Dull a. Fine p.	
17	'13	'16	47.7	40.0	39.6	50.4	1.0	1.3	.306	.220	92	89	SW	1	SW	1	4	3	—	1.1	39	Bright a.	
18	'46	'78	40.7	39.0	35.5	47.7	1.0	1.6	.232	.206	92	86	SW	1	SW	2	10	0	'09	3.0	28	Dull a. Fine p.	
19	'87	'29.92	42.7	46.7	39.0	47.6	1.0	1.0	.252	.295	92	92	S	1	S	1	10	0	'04	—	35	●. Dull.	
20	29.96	30.03	49.7	50.5	42.9	51.0	0.7	0.5	.339	.355	95	96	S	1	Calm	0	10	100 <sup>0</sup>	'02	0.2	42	Dull.	
21	30.09	'08	51.7	50.5	45.1	53.6	1.1	0.7	.355	.349	92	95	SW	1	S	1	10	3	'03	1.2	38	Fine. ● <sup>0</sup> n.	
22	30.03	30.00	48.9	42.5	42.4	50.5	1.0	1.3	.321	.243	92	89	S	2	S	1	10	10	—	—	41	Dull.	
23	29.97	29.89	42.3	39.9	39.5	44.9	1.6	1.4	.236	.218	87	88	S	1	SE	2	10	10	—	—	38	Dull.	
24	'80	'71	36.1	36.3	34.9	40.0	1.3	1.4	.187	.187	88	87	SE	3	E	2	10	10	—	—	32	Dull and cold, with dry winds.	
25	'81	'88	36.9	34.7	32.6	37.2	1.5	2.1	.190	.160	86	80	NE	2	NE	2	10	10	—	—	33	Chilly a. Dull.	
26	'84	'74	32.7	34.1	32.2	34.7	0.9	1.5	.166	.166	89	84	NE	3	SE	1	10	10	'01	—	32	Chilly a. Dull.	
27	'66	'62	32.0	26.7	24.8	34.7	0.4	1.1	.172	.110	94	76	SE	1	NE	4	10	0	'05	—	26	* <sup>0</sup> till 3p.	
28	'77	'80	23.7	25.7	22.1	26.7	0.9	1.1	.095	.103	75	73	NE	3	NE	3	7	10	'05	0.6	15	Cold.	
29	29.43	29.61	23.3	21.7	21.1	25.7	0.1	0.3	.121	.105	97	91	SE	5	Calm	0	10	10	'30	—	21	* early a. and till 5p.	
30	30.03	30.11	20.7	27.7	20.7	29.6	0.6	0.6	.089	.133	81	87	NE	1	SE	1	10	10	'18	1.3	10	Bright and sunny.	
31	30.11	30.24	40.9	44.2	22.3	46.6	0.4	0.5	.247	.278	97	96	SE	1	Calm	0	10	0	'18	—	19	Dull and mild.	
M.	29.685	29.699	40.8	40.0	36.2	44.6	1.1	1.1	.236	.229	90	89	1.8	1.5	8.3	7.1	2.20	33	32.7				



## SOUTHAMPTON, HAMPSHIRE, a.—DECEMBER 1908.

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.		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.	Min.	Max.	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.	40.4	42.2	41.2	50.2	0.9	0.3	in.	in.	%	%	†	†			ins	hrs.			
2	30.34	30.31	40.4	42.2	41.2	50.2	0.9	0.3	29.4	26.3	94	97	NE	3	NE	2	3	1.8	0	Fine day.	
3	26	20	43.5	45.2	41.9	47.9	0.9	1.3	260	271	92	90	NE	3	NE	4	10	—	41	Misty a. Dull day.	
4	20	23	40.2	38.9	38.5	45.8	0.9	0.6	230	225	92	95	NE	2	NE	2	10	—	39	Misty a. and p. Dull day.	
5	23	22	41.1	47.0	38.2	47.9	0.1	0.2	256	318	99	99	NE	2	NW	2	10=0	—	37	Dull and gloomy.	
6	30.20	30.08	38.0	46.5	37.6	47.9	0.0	0.1	228	291	100	92	NW	2	NW	1	10=2	10	37	≡ most of day. ☐ p.	
7	29.95	29.92	48.8	41.0	40.2	51.0	0.9	0.7	323	242	93	94	SW	1	SW	2	10=	10	37	☐ 6a-9.30a.	
8	30.07	30.14	37.5	36.7	34.7	42.1	0.0	0.1	224	216	100	99	NE	2	NE	2	10=0	10	32	☐ till 3p., then ≡.	
9	29.92	29.67	48.9	45.9	33.9	51.2	3.8	0.7	258	292	75	95	SW	5	NW	4	10	100	30	≡ 7p.-10.30p.	
10	65	29.66	37.4	37.1	36.6	47.1	0.1	0.7	221	207	99	94	NW	2	SW	3	10=2	0	29	☐ till noon, then fine.	
11	29.06	28.84	50.0	42.0	36.6	54.5	0.1	1.7	358	231	99	87	SW	6	SW	4	10=	2	30	☐ till 10a., then fine. ☐ p.	
12	28.77	29.17	41.2	41.0	39.9	47.0	1.4	2.3	220	210	89	82	NW	3	NW	4	1	0	4.9	35	Fine day.
13	29.47	63	41.1	38.4	38.0	45.6	3.6	1.4	188	204	74	88	NW	5	SW	2	0	2	4.2	32	Fine day. ● showers p.
14	40	51	51.0	47.5	37.9	54.0	0.0	0.6	374	314	100	95	SW	1	SW	2	9	0	1.1	35	● till 6a. ● showers p.
15	45	28	49.1	47.9	46.5	51.0	1.1	1.9	321	286	92	87	SW	1	SW	4	10	3	40	Misty a. ● 11a.-5p.	
16	31	36	48.0	49.5	45.3	53.0	2.1	1.9	283	306	85	87	SW	3	SE	4	8	3	1.4	40	● showers a.
17	51	48	48.0	48.9	43.1	53.1	0.5	1.8	322	302	97	88	SE	3	SE	3	8	10	1.9	36	Misty a. Fine day.
18	32	34	50.4	43.9	43.8	52.1	0.8	0.9	206	266	94	93	SW	2	SW	3	10	5	1.8	37	● showers till noon.
19	29.62	29.95	36.0	38.8	33.4	48.3	0.4	1.3	204	211	96	90	SW	3	WNW	3	1	0	4.7	37	☐. Fine day.
20	30.05	30.06	41.3	45.7	36.1	46.0	0.2	0.4	255	299	99	97	WNW	3	SE	3	10=0=2	10=0	30	47	Dull, with ☐.
21	13	20	48.0	48.9	45.6	51.1	0.4	0.7	325	329	97	95	SE	1	SE	1	10=2	10=0=2	45	45	Dull day.
22	26	23	48.0	49.0	46.9	51.1	0.2	0.1	330	345	99	99	Calm	0	SE	2	10=2	10	43	40	☐ 11a.-4p.
23	21	17	46.0	42.3	41.9	49.4	1.0	1.9	287	230	93	86	SE	2	SE	2	10	10	1.6	40	Dull till 10a.
24	30.14	30.05	42.0	40.2	39.9	43.1	1.7	1.7	231	215	87	87	SE	2	SE	4	10	10	—	34	Dull and overcast.
25	29.94	29.79	39.3	37.9	37.6	42.9	1.4	0.9	213	209	89	92	SE	4	NE	4	10	0	0.4	28	Dull and overcast.
26	88	30.00	36.0	37.0	33.2	42.1	0.9	1.7	195	187	92	85	NE	3	NE	3	3	10	—	43	☐ a. Fine day.
27	96	29.87	37.0	33.7	32.6	37.8	1.7	1.6	167	161	85	83	NE	2	NE	1	10	10	—	32	☐ a. and p. Dull day.
28	80	76	33.2	29.2	28.4	34.8	1.1	1.0	167	133	88	83	NE	2	NE	2	10=0	10=0	28	38	☐ 9.30a.-10p. ☐
29	88	95	24.9	27.9	23.9	29.8	0.2	0.1	127	150	95	98	NE	2	NE	4	2	10	1.0	19	☐
30	29.63	29.60	27.1	20.2	20.2	31.0	0.0	0.1	148	106	100	97	SE	5	NE	1	10*	1	16	5	☐. * 4a.-6p.
31	30.17	30.33	18.2	26.4	16.2	27.0	0.1	0.6	096	124	97	87	NE	1	NE	1	2	10	1.9	5	☐. Fine day.
31	30.42	41.0	38.9	26.2	44.1	0.1	0.0	255	237	99	100	SE	2	Calm	0	10=	10=2	1.35	25	5	☐. ● 5.30a.-10a. ≡.
M.	29.84	29.84	41.2	40.5	36.6	45.8	0.9	1.0	250	238	93	92	2.5	2.5	8.0	7.0	3.809	36	32.7		

## PLYMOUTH, DEVONSHIRE, a.—DECEMBER 1908.

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°23	30°20	49°9	45°0	44°0	53°9	1°8	1°5	315	264	88	89	E	11	ENE	8	5	9	—	6°4	32	Fine and sunny.
2	16	11	48°9	50°6	44°0	50°6	1°9	0°8	299	349	87	95	ESE	8	ENE	6	9	10	—	38	32	Dull day.
3	10	11	49°5	51°3	45°9	52°2	1°6	1°6	314	337	89	89	ESE	6	SSE	15	9	9	0°6	38	34	Overcast day.
4	11	20	52°0	46°0	45°0	55°3	0°6	1°0	372	287	96	93	SE	15	—	1	10	0	0°1	33	33	☉ a., then fine.
5	30°16	30°00	40°4	52°2	36°6	52°2	0°2	0°6	245	374	98	96	—	0	S	17	8	10	0	12	29	
6	29°95	29°90	44°0	49°0	42°2	53°7	0°1	1°8	286	303	90	87	—	2	—	1	3	10	6	12	33	
7	30°05	30°10	41°0	38°6	37°7	50°7	1°5	1°2	225	211	88	91	—	2	—	1	10	10	6	16	38	
8	29°78	29°64	50°0	44°0	36°4	52°1	0°3	0°8	353	270	98	94	SW	30	—	0	10	9	3	16	30	
9	60	29°60	40°9	48°0	37°0	49°5	0°6	3°7	242	249	94	75	—	1	SW	18	7	7	35	03	30	
10	29°09	28°92	52°4	44°8	43°7	54°4	2°6	3°4	326	225	83	76	W	16	W	17	8	5	01	32	32	☉ ☉ showers.
11	28°90	29°27	45°6	45°2	42°4	47°8	2°5	5°1	250	198	83	66	NW	19	NW	14	9	2	04	30	30	Fine and sunny.
12	29°56	53	42°1	48°0	41°0	48°0	3°3	2°3	203	278	76	84	NW	6	SSW	26	6	10	39	01	38	☉ ☉ showers.
13	41	44	52°7	50°5	46°4	53°9	0°7	3°5	378	281	95	77	SW	15	SW	13	8	5	—	39	49	Squally, with ☉ a., then fine.
14	36	19	50°2	47°7	47°0	52°6	1°4	1°9	327	286	91	88	S	22	SW	19	10	2	12	31	31	Cloudy day.
15	19	18	49°0	52°6	45°7	52°6	1°5	3°0	310	317	90	80	S	30	SE	30	10	10	05	38	42	Fine afternoon.
16	40	38	50°5	50°0	49°5	52°9	1°5	1°1	328	332	89	92	SE	15	SW	11	10	10	31	39	39	Gloomy day.
17	27	31	50°1	46°2	44°1	52°9	1°8	1°6	316	276	87	89	SW	12	SW	7	8	10	02	44	44	Dull and overcast.
18	64	29°94	42°0	44°4	39°9	49°0	0°8	2°4	249	240	94	82	—	3	W	7	7	7	13	35	35	Fine day.
19	29°97	30°04	51°0	51°5	42°0	54°5	0°2	0°8	360	359	99	94	W	6	WNW	7	10	10	04	37	29	Fine day.
20	30°09	21	49°6	52°5	49°6	53°0	0°6	0°2	341	390	96	98	—	1	SW	4	9	10	01	—	33	Dull day.
21	18	15	51°5	50°8	50°1	52°9	0°3	0°3	370	365	96	98	SW	5	S	9	10	10	10	—	39	Dull day. ☉
22	09	30°05	50°0	49°0	48°4	50°8	0°9	1°3	337	315	94	91	S	11	SE	14	10	10	—	—	—	Dull day. ☉
23	30°06	29°93	44°5	43°0	41°2	50°9	0°9	2°2	273	230	93	83	SE	7	ESE	18	10	10	—	—	—	Very dull day.
24	29°80	62	42°3	48°7	41°0	48°7	2°3	4°1	222	249	83	73	E	22	E	23	10	10	—	0°1	—	Very dull day.
25	75	87	40°9	41°8	40°0	48°8	1°3	1°6	227	232	90	89	ENE	22	NE	15	10	8	—	3°0	—	
26	84	76	43°7	42°4	40°0	44°7	1°9	1°0	245	251	85	93	ENE	11	ENE	12	10	10	29	—	—	Dull, cold day.
27	72	57	36°4	34°0	32°6	42°4	1°3	0°0	192	196	90	100	N	12	NW	15	10	10	38	07	—	Dull, with ☉ (sleet).
28	72	78	33°5	36°0	30°5	36°3	1°3	0°8	166	197	86	93	ENE	16	E	29	10	10	56	05	—	Cold day. ☉
29	29°38	29°66	37°4	38°3	33°0	38°8	0°4	0°7	216	223	97	95	NE	16	NNW	5	10	2	22	—	—	Dull, with ☉.
30	30°06	30°15	30°9	43°5	28°6	44°0	0°9	0°5	150	272	87	97	NE	4	NE	7	4	10	24	02	—	Dull, cold day.
31	30°22	30°37	51°3	50°8	42°7	53°8	0°1	0°4	373	361	98	97	SW	8	SW	7	10	9	01	04	—	Dull day.
M.	29°768	29°780	45°6	46°4	41°6	50°1	1°2	1°7	284	281	91	89	II	12	8°8	8°1	4°65	41	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

## ARMAGH, a.—DECEMBER 1908.

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.		Air Temperature.					Humidity.			Wind Direction and Force (0-12) or Velocity (miles per hour).		Cloud Amount and Weather.
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## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## DUBLIN (PHENIX PARK), a.—DECEMBER 1908.

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.		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.	Min.	Max.	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.	34.1	37.5	32.2	47.7	0.2	0.1	193	222	98	99	—	0	—	0	4	10	ins.	hrs.	0.7	29	Cloudy day.	
2	30.20	30.18	34.1	37.5	32.2	47.7	0.2	0.1	193	222	98	99	—	0	—	0	4	10	0.05	—	—	29	Overcast day.	
3	30.04	30.03	33.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	—	1	5	4	—	—	—	29	Overcast day.	
4	29.99	30.07	33.7	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	—	2	6	10	1.50	0.7	29	Overcast day.		
5	29.86	29.80	32.1	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	SW	6	10	10	—	—	—	35	Overcast day.	
6	29.84	29.85	33.5	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	9	WSW	5	10	10	1.15	—	—	43	Overcast day.	
7	30.00	30.00	34.1	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	2	SW	14	9	10	1.38	5.3	30	Fine day.		
8	29.49	29.49	34.1	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	7	SW	7	10	9	1.00	0.2	28	0.0	4p.-midt.	
9	29.41	29.29	33.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	7	SW	7	10	0	1.00	0.2	28	0.0	0.0	
10	28.82	28.62	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	9	SW	12	0	10	0.80	4.8	29	0.0	0.0	
11	28.95	29.29	33.6	37.5	33.6	51.0	0.2	0.2	226	292	98	83	W	7	SW	12	10	6	0.62	0.4	34	0.0	0.0	
12	29.51	29.51	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	W	8	W	9	0	0	—	5.1	31	0.0	0.0	
13	29.17	29.17	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	W	5	ESE	6	2	10	0.40	1.8	27	0.0	0.0	
14	29.09	28.93	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	11	ESE	5	3	0	0.15	1.4	32	0.0	0.0	
15	29.03	29.28	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SSE	7	—	3	9	10	0.22	0.2	29	0.0	0.0	
16	29.03	29.28	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	—	0	7	0	—	0.7	29	0.0	0.0	
17	29.03	29.28	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	SE	7	9	10	0.05	—	23	0.0	0.0	
18	29.03	29.28	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	8	SW	4	2	0	0.16	4.7	30	0.0	0.0	
19	29.03	29.28	31.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	WSW	8	WSW	6	2	1	0.08	3.2	31	0.0	0.0	
20	29.89	30.05	32.1	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	6	SW	7	10	0	—	—	32	0.0	0.0	
21	30.01	29.94	33.6	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	9	—	1	3	0	—	1.2	29	0.0	0.0	
22	29.90	29.81	33.3	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	0	S	10	7	8	—	1.0	26	0.0	0.0	
23	29.88	29.80	32.7	37.5	33.6	51.0	0.2	0.2	226	292	98	83	S	7	SW	13	9	5	—	3.50	—	48	0.0	0.0
24	29.70	29.70	32.7	37.5	33.6	51.0	0.2	0.2	226	292	98	83	1	ESE	7	10	10	—	2.0	45	—	39	0.0	0.0
25	29.86	29.85	32.9	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SE	12	ESE	8	10	10	—	—	—	39	0.0	0.0
26	29.74	29.72	31.5	37.5	33.6	51.0	0.2	0.2	226	292	98	83	E	5	SE	4	10	0	—	—	—	24	0.0	0.0
27	29.70	29.69	31.5	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SE	13	WSW	5	10	10	—	—	—	24	0.0	0.0
28	29.60	29.63	31.6	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SE	14	SE	18	10	10	0.26	—	21	0.0	0.0	
29	29.26	29.40	32.3	37.5	33.6	51.0	0.2	0.2	226	292	98	83	—	1	W	4	10	7	0.16	0.2	30	0.0	0.0	
30	29.93	29.86	32.7	37.5	33.6	51.0	0.2	0.2	226	292	98	83	W	6	SSW	14	10	10	—	—	—	22	0.0	0.0
31	30.03	30.21	32.8	37.5	33.6	51.0	0.2	0.2	226	292	98	83	SW	6	SW	8	10	10	—	—	—	39	0.0	0.0
M.	29.643	29.636	41.3	42.2	35.8	48.2	1.5	1.5	234	243	88	88	5	6	6.9	6.1	1790	37	30.6					

## BIRR CASTLE, KING'S COUNTY, a.b.—DECEMBER 1908.

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	30.09	30.09	46.9	44.9	44.0	50.0	0.9	0.4	299	289	94	97	S	†	SE	†	7	003	2.1	—	Cloudy.	
2	30.07	29.99	42.7	41.9	38.2	46.8	0.5	1.0	263	246	96	93	Calm	0	SSE	1	10	10	0.7	—	≡ a. Cloudy.	
3	29.93	29.91	44.7	49.7	35.8	50.3	0.3	1.7	288	313	97	88	SSE	1	SSE	3	10	10	0.2	—	Cloudy.	
4	29.95	30.01	45.5	47.0	42.8	50.8	1.6	1.1	268	296	88	92	W	3	S	1	2	10	0.41	1.5	Cloudy.	
5	29.80	29.75	50.9	45.8	44.0	51.9	1.6	1.2	332	281	89	92	S	3	SW	3	10	7	131	—	Overcast, with ●.	
6	29.79	29.71	36.7	36.7	34.6	47.8	0.6	0.6	206	206	95	95	S	1	Calm	0	0	10	0.90	2.6	Cloudy, with ● showers.	
7	29.75	29.68	35.1	47.8	30.0	49.1	0.2	0.9	201	311	98	93	SSW	2	SW	3	10	10	0.24	—	Overcast, with ● showers.	
8	29.45	29.39	45.7	37.7	34.6	50.9	1.8	1.6	267	195	87	86	SW	2	S	3	10	3	116	1.1	Cloudy, with ● showers.	
9	29.35	29.23	37.0	39.0	32.6	42.7	1.2	0.6	196	226	89	95	S	2	S	2	6	100	2.02	3.0	● showers.	
10	28.81	28.61	43.3	40.7	36.8	47.1	0.4	0.8	272	237	97	93	WSW	2	WSW	3	10	100	0.30	0.8	● showers.	
11	28.97	29.34	37.7	36.8	36.8	45.7	1.2	0.9	203	201	90	93	WSW	2	W	2	10	8	310	4.5	Cloudy, with ● showers.	
12	29.50	29.13	30.7	45.7	29.6	46.7	0.6	1.4	157	275	91	90	WNW	1	S	2	7	100	0.170	—	Overcast, with ●.	
13	29.07	29.07	39.7	45.7	36.8	48.9	0.8	0.6	220	234	94	95	S	3	SSW	1	4	8	0.61	3.5	Cloudy.	
14	29.00	28.84	42.7	43.7	38.4	46.8	0.8	0.7	257	269	93	94	S	3	S	4	7	10	0.035	2.1	Cloudy. ≡ n.	
15	28.94	29.22	35.7	33.3	31.8	44.9	0.5	0.6	200	180	96	94	S	1	Calm	0	8	10	0.013	4.7	Cloudy.	
16	29.29	29.02	33.3	44.7	30.6	45.9	0.4	0.8	182	276	96	94	WSW	1	S	2	7	6	0.041	0.7	Cloudy, with ●.	
17	28.98	28.98	35.7	37.7	34.7	47.5	1.1	0.8	243	196	91	93	S	2	S	1	4	10	0.320	2.5	● showers.	
18	29.57	29.76	40.6	40.5	34.6	43.7	1.7	2.6	218	200	87	80	SW	2	Calm	0	8	10	1.112	1.6	Cloudy.	
19	29.77	29.86	52.0	52.6	38.8	52.6	0.3	1.6	380	353	98	89	WSW	1	WSW	1	10	10	0.010	—	Overcast, with ● showers.	
20	29.83	29.96	52.9	40.7	38.6	53.1	0.8	0.8	378	237	95	93	SW	2	SW	2	10	10	0.011	1.5	Cloudy.	
21	29.91	29.83	51.5	53.7	38.8	53.9	0.8	1.0	359	384	94	93	S	2	S	4	8	10	0.120	—	Dull.	
22	29.75	29.74	51.7	49.7	47.8	53.8	0.8	1.1	362	329	94	92	S	2	S	2	10	10	0.113	—	Overcast, with ●.	
23	29.80	29.80	43.7	44.5	42.8	51.7	0.7	3.3	269	223	94	75	SE	1	SE	5	6	10	—	0.1	—	Cloudy.
24	29.53	29.54	44.7	43.3	40.8	49.7	2.0	2.0	251	237	86	84	SSE	6	SSE	2	8	10	—	—	—	Cloudy.
25	29.78	29.67	41.7	38.1	34.8	50.7	1.5	1.2	232	205	89	89	SE	1	SE	1	8	10	0.003	0.8	—	Cloudy.
26	29.56	29.66	44.7	37.7	35.4	46.5	0.9	2.2	275	185	93	81	SSE	3	Calm	0	10	10	0.116	—	—	Overcast, with ●.
27	29.67	29.55	33.6	33.2	30.8	38.7	0.7	0.5	179	179	92	94	W	1	SW	2	2	10	0.104	1.1	—	Overcast, with ● showers.
28	29.49	29.36	30.7	43.3	30.8	43.3	0.6	1.3	206	252	95	90	S	1	SSE	4	100	100	0.882	—	—	Overcast, with ●.
29	29.20	29.64	43.7	36.7	33.9	49.5	1.8	1.0	246	198	86	91	W	2	W	1	100	10	0.088	3.1	—	● a.
30	29.83	29.76	39.5	49.8	34.0	50.3	1.4	0.9	214	335	89	93	Calm	0	S	2	10	10	0.020	—	—	Overcast, with ● showers.
31	29.94	30.13	48.7	50.7	45.8	51.8	1.5	1.6	306	329	89	89	SW	2	S	1	100	10	0.050	—	—	● showers. ~ 11a.
M.	29.568	29.556	42.4	42.8	36.7	48.5	1.0	1.2	256	254	92	91	1.8	1.9	7.5	9.3	3.181	38	—	—	—	—

\* Miles per hour.

† Beaufort Scale (0-12).

## RESULTS OBTAINED FROM ANEMOGRAPH STATIONS.—DECEMBER 1908.

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	— 2	22, 4	22, 9	1	23, 8	26, 7	25, 7	24, 7	24, 9	11, 20	— 2	— 3	— 2	20, 4	23, 18, 20, 4	6, 8, 14, 21
2	25, 15	27, 9	24, 18	10	24, 9	25, 4	25, 4	25, 5	24, 9	6, 7, 9, 10	23, 4	— 2	25, 4	25, 5	24, 25, 5	10, 12, 21
3	12, 7	12, 12	15, 17	24	24, 7	23, 7	19, 4	21, 6	24, 7	9, 10, 13	— 2	24, 4	25, 6	25, 9	25, 9	21
4	17, 12	— 3	16, 19	3, 5	21, 7	21, 10	21, 8	21, 7	21, 10	22, 23	— 2	3, 18, 4	— 2	— 2	24, 8	3
5	15, 23	16, 23	15, 26	15	21, 6	19, 17	20, 16	16, 14	19, 18	23	— 2	— 3	19, 7	18, 7	17, 10	24
6	20, 21	21, 18	21, 25	15	21, 7	22, *	26, *	27, *	?	?	18, 9	21, 5	— 0	— 2	18, 10	1, 4, 5, 7
7	18, 29	17, 24	18, 31	14	25, 21	20, 20	20, 20	23	20, 29	20	— 3	27, 5	22, 7	20, 9	21, 10	22
8	19, 18	19, 17	17, 28	4	21, 23	23, 12	21, 7	22, 6	20, 29	6	18, 13	18, 17	17, 15	18, 18	18, 18	14
9	17, 26	18, 28	18, 28	15, 18	19, 7	19, 19	19, 12	19, 19	19, 13	13	24, 4	21, 4	19, 7	21, 7	18, 14	1
10	17, 30	31, 27	31, 35	1, 2, 3	18, 10	— 3	25, 10	24, 11	19, 15	4	16, 19	15, 24	20, 10	22, 11	15, 29	12
11	30, 31	32, 27	31, 35	15	27, 22	28, 22	29, 21	29, 21	29, 23	1, 2	23, 9	26, 13	25, 18	25, 23	26, 25	22
12	25, 8	— 3	14, 18	24	29, 12	26, 7	26, 6	22, 6	29, 20	6	27, 20	27, 15	27, 12	25, 9	27, 23	2, 6
13	18, 14	19, 9	15, 31	4	19, 10	21, 4	18, 7	19, 4	18, 20	6	16, 13	19, 11	22, 6	22, 10	16, 15	7, 8
14	16, 15	17, 13	21, 24	24	19, 10	20, 11	16, 11	16, 14	17, 12	2	16, 4	16, 4	16, 6	16, 7	16, 10	24
15	13, 4	— 2	13, 23	1	19, 8	23, 8	20, 6	28, 4	17, 12	21, 23	17, 15	17, 12	17, 14	16, 14	17, 15	3, 4, 11, 12
16	18, 7	16, 18	14, 29	20	23, 5	21, 4	18, 11	18, 15	18, 16, 15	5	19, 4	— 2	2, 17, 8	16, 10	16, 12	19
17	14, 23	16, 18	14, 29	7	18, 12	18, 13	20, 10	21, 10	18, 22	21, 23	16, 18	16, 18	16, 9	18, 7	15, 19	12
18	19, 15	25, 20	23, 26	24	21, 10	24, 12	25, 12	23, 10	20, 14	15	23, 7	23, 8	24, 8	24, 10	24, 11	24
19	21, 5	17, 11	24, 28	1	24, 7	— 3	20, 6	19, 10	20, 12	24	23, 7	26, 7	— 2	— 2	25, 12	6
20	22, 21	— 3	15, 23	10	20, 7	20, 13	20, 7	21, 4	19, 14	12	16, 7	16, 10	16, 7	18, 8	16, 10	12, 13, 14
21	15, 17	16, 19	16, 22	20	21, 5	20, 10	19, 11	19, 10	20, 18	23	17, 6	17, 5	16, 4	17, 7	18, 16, 8	17, 24
22	— 2	16, 17	15, 21	19	17, 10	19, 15	16, 15	17, 16	18, 22	20	16, 7	16, 8	16, 9	16, 9	16, 10	12
23	16, 4	13, 22	13, 22	18	20, 11	20, 9	18, 5	16, 6	18, 18	1	— 2	17, 3	12, 10	12, 12	12, 12	21
24	12, 26	13, 27	13, 29	14	18, 14	17, 11	18, 10	18, 9	18, 15	8	10, 18	10, 16	11, 13	9, 10	10, 18	9
25	15, 16	14, 18	14, 25	23	— 2	13, 7	18, 7	18, 9	18, 10	23, 24	7, 12	7, 10	6, 12	6, 12	6, 12	23
26	14, 33	13, 37	12, 39	20, 21	17, 10	15, 12	16, 10	12, 15	12, 26	24	10, 25	8, 27	6, 27	6, 23	8, 24	23
27	10, 33	8, 20	12, 34	1, 3	17, 11	16, 10	16, 12	17, 11	12, 26	1	— 5	8, 26	8, 26	8, 23	7, 34	3
28	13, 43	12, 41	13, 53	24	12, 23	17, 12	17, 9	17, 11	12, 23	9	7, 23	7, 18	7, 30	8, 34	8, 36	23
29	14, 40	14, 38	13, 50	3	16, 20	17, 18	18, 9	20, 6	16, 26	2	12, 27	11, 26	9, 21	8, 17	11, 31	7
30	14, 41	14, 48	14, 54	19	20, 9	17, 15	16, 15	17, 23	17, 23	22	4, 12	5, 12	8, 11	8, 13	4, 18	8
31	20, 19	20, 13	15, 40	1	20, 22	20, 17	21, 7	21, 7	18, 26	4	15, 12	16, 13	16, 9	17, 4	15, 17	11

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. Hourly Run.	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	— 13	— 5	— 25	12, 45	— 2	— 4	— 1	— 1	— 7	11, 35	12, 9	12, 10	10, 6	9, 6	12, 12	4, 6
2	— 8	— 10	— 17	18, 40	— 1	— 3	— 4	— 1	— 9	16, 40	— 3	12, 6	13, 6	13, 5	11, 8	17
3	— 5	— 10	— 20	22, 50	— 4	— 3	— 4	— 1	— 9	17, 20	14, 11	12, 12	14, 17	14, 18	14, 20	23, 24
4	— 3	— 3	— 21	7, 55	— 3	— 4	— 4	— 1	— 7	4, 20	28, 18	28, 17	28, 8	25, 8	14, 21	1, 2
5	— 12	— 12	— 24	23, 20	— 9	— 10	— 11	— 9	— 19	23, 35	18, 10	19, 13	17, 13	18, 13	17, 31	16
6	— 0	— 7	— 18	2	— 15	— 12	— 9	— 10	— 27	7, 50	28, 4	21, 7	26, 19	28, 11	27, 23	23
7	— 3	— 1	— 22	23, 55	— 12	— 13	— 1	— 2	— 22	8, 5	30, 14	29, 9	22, 9	20, 18	20, 23	24
8	— 37	— 5	— 51	10, 55	— 26	— 32	— 34	— 34	— 45	11, 15	19, 25	19, 30	28, 17	24, 13	29, 33	24
9	— 8	— 13	— 34	23, 10	— 1	— 4	— 13	— 6	— 45	2, 30	27, 17	24, 20	23, 19	22, 22	19, 28	24
10	— 14	— 20	— 51	3, 30	— 33	— 30	— 24	— 18	— 55	9, 10	24, 34	25, 35	26, 47	26, 47	26, 52	15, 16
11	— 23	— 11	— 47	5, 5	— 8	— 18	— 13	— 19	— 41	22, 20	29, 43	29, 35	28, 34	29, 34	26, 55	1, 2
12	— 7	— 5	— 36	3, 55	— 27	— 18	— 22	— 14	— 34	3, 15	29, 14	24, 6	16, 22	18, 14	29, 39	1
13	— 18	— 12	— 37	11, 35	— 16	— 12	— 22	— 21	— 37	6, 5	— *	20, 18	22, 14	19, 16	23, 29	14, 15
14	— 23	— 24	— 41	19, 25	— 19	— 18	— 22	— 19	— 49	23, 5	19, 20	21, 24	25, 29	24, 30	24, 31	24
15	— 35	— 27	— 49	12, 55	— 29	— 26	— 21	— 19	— 49	2, 5	17, 29	17, 27	12, 6	10, 20	24, 30	21
16	— 14	— 18	— 29	23, 55	— 4	— 8	— 9	— 12	— 28	23, 10	— 0	25, 6	20, 11	18, 20	18, 20	21, 22
17	— 12	— 11	— 33	2, 40	— 20	— 25	— 14	— 9	— 40	10, 40	23, 23	24, 27	25, 29	26, 25	26, 33	23, 24
18	— 9	— 5	— 26	14, 25	— 9	— 7	— 4	— 5	— 18	23, 50	29, 27	27, 30	28, 20	26, 20	26, 41	2
19	— 12	— 7	— 16	11, 55	— 10	— 12	— 10	— 11	— 19	14, 30	22, 12	24, 13	24, 10	24, 7	24, 20	1
20	— 7	— 4	— 14	16, 45	— 8	— 9	— 7	— 9	— 15	7, 25	17, 11	17, 14	17, 11	16, 11	16, 16	24
21	— 8	— 6	— 14	14, 20	— 7	— 8	— 5	— 6	— 15	0, 40	15, 19	17, 15	15, 19	16, 20	16, 25	22
22	— 19	— 17	— 25	14, 20	— 6	— 5	— 7	— 8	— 15	23, 5	15, 16	13, 24	12, 23	13, 23	13, 28	22
23	— 11	— 17	— 31	23, 35	— 9	— 11	— 15	— 7	— 21	18, 15	12, 34	12, 34	11, 34	11, 33	12, 37	11, 12
24	— 21	— 21	— 38	18, 50	— 12	— 10	— 10	— 11	— 21	2, 5	9, 25	8, 21	8, 10	11, 18	10, 30	3
25	— 18	— 10	— 40	8, 15	— 11	— 15	— 15	— 12	— 28	15, 50	12, 23	12, 22	12, 18	19, 27	29, 34	22
26	— 10	— 7	— 25	22, 5	— 9	— 14	— 12	— 16	— 24	19, 25	28, 25	27, 23	28, 35	30, 27	30, 17	17
27	— 3	— 10	— 28	21, 30	— 16	— 19	— 18	— 16	— 29	5, 50	11, 28	14, 35	14, 41	14, 37	14, 41	18
28	— 18	— 25	— 47	23, 15	— 11	— 10	— 11	— 10	— 18	3, 50	25, 28	29, 39	29, 40	29, 34	29, 41	17
29	— 8	— 9	— 47	0, 45	— 13	— 10	— 9	— 6	— 17	15, 10	25, 12	23, 11	20, 12	20, 18	20, 21	24
30	— 8	— 6	— 23	23, 50	— 13	— 14	— 16	— 12	— 27	16, 55	23, 15	23, 16	22, 11	21, 13	24, 22	5
31	— 12	— 5	— 23	3, 25	— 13	— 14	— 16	— 12	—							



## 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	—	1	—	3	12, 11	13, 9	12, 11	12, 9	—	17	—	2	—	3	—	8	
2	—	2	—	2	12, 8	14, 7	14, 7	12, 8	—	15	6, 8	7, 4	9, 8	9, 4	—	12	
3	1, 4	—	1	5	10, 8	10, 10	13, 10	13, 9	—	15	9, 10	13, 4	15, 10	15, 7	—	16	
4	—	2	—	3	13, 15	13, 12	12, 7	13, 4	—	21	15, 11	15, 10	26, 18	24, 10	—	22	
5	16, 8	17, 7	16, 8	13, 23	13, 8	15, 11	16, 11	16, 13	—	21	18, 20	17, 21	18, 22	19, 21	—	39	
6	21, 4	—	21, 4	1	19, 9	21, 10	12, 6	10, 7	—	18	23, 7	21, 4	11, 7	20, 6	—	29	
7	24, 4	21, 5	19, 15	24	16, 7	17, 9	18, 12	19, 22	—	30	28, 9	21, 10	19, 21	19, 23	—	42	
8	22, 11	20, 7	19, 18	9	19, 27	24, 18	20, 15	24, 22	—	39	19, 29	22, 14	23, 21	21, 12	—	50	
9	18, 10	19, 10	19, 12	20	16, 14	20, 19	18, 12	16, 11	—	29	22, 15	20, 20	21, 21	21, 20	—	45	
10	24, 19	26, 9	24, 19	13	12, 17	27, 19	27, 26	25, 29	—	45	22, 30	22, 20	24, 34	24, 31	—	44	
11	27, 18	27, 19	27, 20	19, 20, 24	29, 26	28, 35	28, 45	28, 43	—	57	28, 33	28, 34	27, 38	27, 43	—	57	
12	25, 7	—	1	1, 4	30, 27	28, 24	20, 7	15, 10	—	55	28, 26	27, 14	18, 9	15, 20	—	50	
13	20, 6	20, 7	16, 13	4	16, 9	18, 13	15, 12	14, 10	—	34	21, 19	20, 15	21, 20	20, 16	—	43	
14	11, 4	15, 10	14, 13	16	13, 15	13, 16	13, 15	13, 15	—	27	14, 19	10, 28	15, 13	14, 16	—	42	
15	18, 7	—	18, 14	6	20, 14	15, 10	8, 5	5, 4	—	34	22, 7	14, 9	—	3	—	36	
16	—	3	15, 10	24	8, 7	15, 12	14, 13	15, 16	—	24	—	2	15, 12	15, 15	—	33	
17	19, 7	21, 4	16, 15	3	15, 12	19, 14	17, 9	17, 9	—	29	19, 12	20, 12	21, 10	22, 9	—	33	
18	24, 17	25, 7	24, 17	13	27, 16	25, 29	26, 28	25, 25	—	35	26, 29	26, 27	24, 23	24, 21	—	39	
19	—	2	1	25, 9	18, 6	14, 12	15, 8	21, 10	—	28	0. 15	16, 10	19, 7	24, 12	19, 7	—	24
20	21, 4	21, 5	20, 21, 19	12, 16, 18, 19	14, 5	17, 9	21, 12	21, 11	—	21	15. 0	19, 15	20, 13	20, 8	12, 5	—	33
21	17, 4	18, 4	16, 9	19, 22	16, 8	15, 7	15, 10	15, 12	—	18	20. 35	15, 12	16, 14	16, 18	17, 17	—	31
22	15, 11	16, 16	16, 16	18	15, 13	15, 14	14, 16	15, 16	—	28	20. 20	16, 17	16, 18	16, 20	15, 21	—	36
23	—	1	18, 8	1	12, 11	13, 13	13, 13	13, 12	—	22	0. 55	15, 17	15, 15	16, 10	17, 10	—	28
24	10, 8	9, 9	13, 13	6	13, 18	12, 18	12, 14	11, 15	—	32	4. 55	13, 13	14, 6	—	3	—	27
25	—	2	7, 6	1, 2	7, 7	10, 5	10, 7	11, 9	—	15	23. 50	8, 15	—	3	2, 9, 4	—	25
26	10, 9	—	12, 11	12	10, 10	12, 14	12, 13	11, 13	—	25	14. 10	14, 7	11, 9	10, 6	10, 6	—	17
27	11, 13	8, 9	11, 15	22	11, 14	11, 20	11, 19	11, 22	—	32	20. 50	15, 14	15, 13	13, 11	10, 13	—	25
28	11, 7	11, 4	11, 18	24	12, 11	12, 14	12, 17	12, 19	—	39	23. 40	10, 15	11, 11	12, 23	13, 27	—	53
29	9, 10	8, 5	10, 18	4	11, 27	12, 27	11, 15	10, 9	—	56	2. 15	14, 20	13, 13	10, 12	8, 6	—	56
30	—	2	14, 14	21	12, 17	13, 19	13, 24	13, 25	—	40	20. 15	12, 7	15, 18	16, 19	16, 21	—	37
31	—	3	16, 14	1	15, 16	13, 12	14, 8	14, 6	—	38	0. 50	19, 10	19, 14	20, 12	20, 12	—	37

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

Anemometer dismantled for alterations.

\* 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), 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.