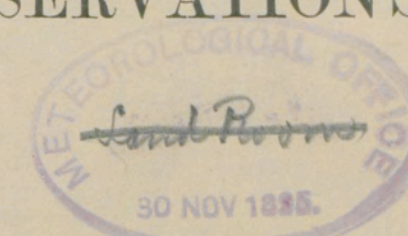


Official, No. 117.

METEOROLOGICAL OBSERVATIONS

AT



STATIONS OF THE SECOND ORDER

For the Year 1891.

With Frontispiece Map, and Appendix giving Results for
certain Stations for the 15 years 1876-1890.

Published by Direction of the Meteorological Council.



LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

And to be purchased, either directly or through any Bookseller, from
EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; or
JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, and
90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

1895.

Price Thirty Shillings.

E 85601.

STATIONS OF THE SECOND ORDER 1891

STATIONS OF THE SECOND ORDER

For the Year 1891

With Frontispiece Map and Appendix giving details of certain Stations for the years 1870-1890.

ERRATUM.

Page 1, paragraph 3, insert after "introduction of", "Rounton (Yorks.), Plymouth and".

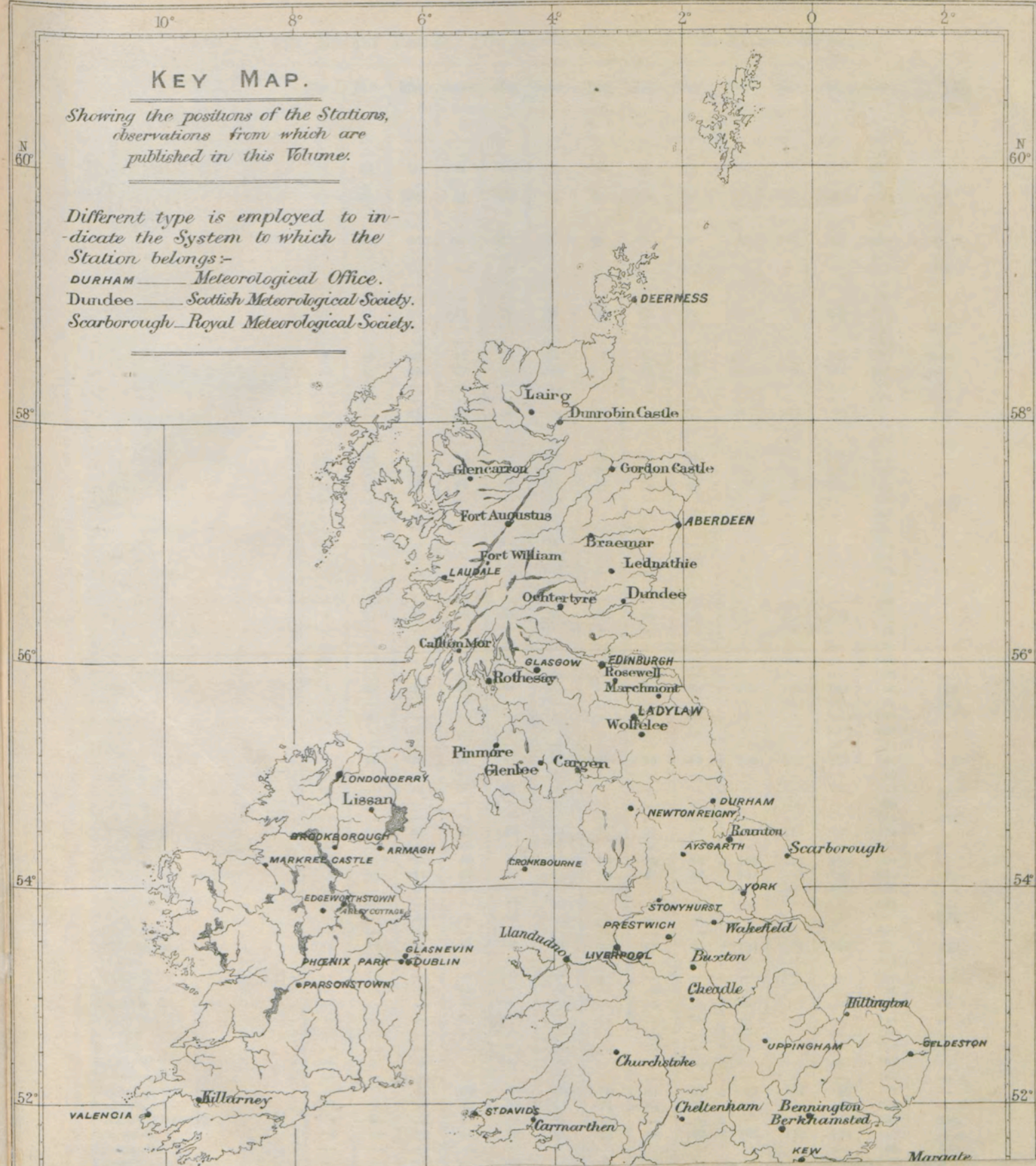
STATIONS OF THE SECOND ORDER 1891.

KEY MAP.

Showing the positions of the Stations, observations from which are published in this Volume.

Different type is employed to indicate the System to which the Station belongs:-

DURHAM — Meteorological Office.
Dundee — Scottish Meteorological Society.
Scarborough — Royal Meteorological Society.



MEMORANDUM

Dec. 10 1895.

From EYRE and SPOTTISWOODE,

HER MAJESTY'S PRINTING OFFICE,

East Harding Street, E.C.

To

R. H. Scott, Esq.

Stations of the Second Order, 1891

Dear Sir,

We have compared your signed proof with one of the copies & regret to find that the errors are ours. We have reprimanded the persons concerned & shall be glad to correct any of the copies you can let us have if you will kindly let us know when we may send for them.

C.P.

TABLE OF CONTENTS, 1891.

MONTHLY AND YEARLY TABLES. (The figures under the months indicate the pages.)

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR.	15 Years 1876-1890.
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	136	-
Arley Cottage, Mount Nugent	-	-	-	-	-	-	-	-	-	-	-	-	176	-
Armagh	-	12	23	33	44	54	65	75	86	96	107	117	128	174
Aysgarth (Yorkshire)	-	-	-	-	-	-	-	-	-	-	-	-	-	152
Babbacombe	-	11	22	32	43	53	64	74	85	95	106	116	127	170
Bennington	-	-	-	-	-	-	-	-	-	-	-	-	-	162
Berkhamsted	-	-	-	-	-	-	-	-	-	-	-	-	-	164
Braemar	-	5	15	26	36	47	57	68	78	89	99	110	120	138
Brookeborough	-	-	-	-	-	-	-	-	-	-	-	-	-	174
Buxton	-	-	-	-	-	-	-	-	-	-	-	-	-	158
Calton Mor	-	-	-	-	-	-	-	-	-	-	-	-	-	142
Cargen	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Carmarthen	-	10	20	31	41	52	62	73	83	94	104	115	125	164
Cheadle	-	-	-	-	-	-	-	-	-	-	-	-	-	158
Cheltenham	-	-	-	-	-	-	-	-	-	-	-	-	-	162
Churchstoke	-	9	20	30	41	51	62	72	83	93	104	114	125	160
Cronkbourne (Isle of Man)	-	8	18	29	39	50	60	71	81	92	102	113	123	152
Currygrane (Edgeworthstown)	-	-	-	-	-	-	-	-	-	-	-	-	-	176
Dartmoor	-	-	-	-	-	-	-	-	-	-	-	-	-	170
Deerness (Orkney)	-	-	25	35	46	56	67	77	88	98	109	119	134	186
Dublin (Botanic Gardens)	-	-	-	-	-	-	-	-	-	-	-	-	-	176
" (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	178
" (Phoenix Park)	-	13	24	34	45	55	66	76	87	97	108	118	129	178
Dundee	-	6	16	27	37	48	58	69	79	90	100	111	121	140
Dunrobin Castle	-	4	15	25	36	46	57	67	78	88	99	109	120	134
Durham	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Eastbourne	-	-	-	-	-	-	-	-	-	-	-	-	-	168
Edgeworthstown	-	-	-	-	-	-	-	-	-	-	-	-	-	176
Edinburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	142
Falmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	172
Fort Augustus	-	-	-	-	-	-	-	-	-	-	-	-	-	138
Fort William	-	-	-	-	-	-	-	-	-	-	-	-	-	138
Geldeston	-	-	-	-	-	-	-	-	-	-	-	-	-	160
Glasgow	-	6	17	27	38	48	59	69	80	90	101	111	122	144
Glasnevin (Dublin)	-	-	-	-	-	-	-	-	-	-	-	-	-	176
Glencarron	-	-	-	-	-	-	-	-	-	-	-	-	-	136
Glenlee	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Gordon Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	136
Hillington	-	9	19	30	40	51	61	72	82	93	103	114	124	158
Kew	-	-	-	-	-	-	-	-	-	-	-	-	-	164
Killarney	-	-	-	-	-	-	-	-	-	-	-	-	-	180
Ladylaw	-	-	-	-	-	-	-	-	-	-	-	-	-	146
Lairg	-	-	-	-	-	-	-	-	-	-	-	-	-	134
Laudale	-	5	16	26	37	47	58	68	79	89	100	110	121	140
Lednathie	-	-	-	-	-	-	-	-	-	-	-	-	-	140
Lissan	-	-	-	-	-	-	-	-	-	-	-	-	-	172
Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	156
Llandudno	-	-	-	-	-	-	-	-	-	-	-	-	-	156
Londonderry	-	12	22	33	43	54	64	75	85	96	106	117	127	172
Marchmont	-	-	-	-	-	-	-	-	-	-	-	-	-	146
Margate	-	10	21	31	42	52	63	73	84	94	105	115	126	166
Markree Castle (Sligo)	-	13	23	34	44	55	65	76	86	97	107	118	128	174
Newton Reigny	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Ochertyre	-	-	-	-	-	-	-	-	-	-	-	-	-	142
Orkneys	-	-	-	-	-	-	-	-	-	-	-	-	-	186
Parkstone	-	-	-	-	-	-	-	-	-	-	-	-	-	168
Parsonstown	-	14	24	35	45	56	66	77	87	98	108	119	129	178
Pinmore	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Plymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	170
Prestwich	-	-	-	-	-	-	-	-	-	-	-	-	-	156
Rosewell	-	-	-	-	-	-	-	-	-	-	-	-	-	144
Rothsay	-	-	-	-	-	-	-	-	-	-	-	-	-	144
Rounton	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Rousdon	-	-	-	-	-	-	-	-	-	-	-	-	-	168
St. Davids	-	-	-	-	-	-	-	-	-	-	-	-	-	162
St. Leonards	-	-	-	-	-	-	-	-	-	-	-	-	-	166
Scarborough	-	7	18	28	39	49	60	70	81	91	102	112	123	152
Southampton	-	11	21	32	42	53	63	74	84	95	105	116	126	166
Stenness (Orkney)	-	4	14	25	-	-	-	-	-	-	-	-	-	134
Stonyhurst	-	8	19	29	40	50	61	71	82	92	103	113	124	154
Uppingham	-	-	-	-	-	-	-	-	-	-	-	-	-	160
Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	180
Wakefield	-	-	-	-	-	-	-	-	-	-	-	-	-	154
Wolfelee	-	7	17	28	38	49	59	70	80	91	101	112	122	146
York	-	-	-	-	-	-	-	-	-	-	-	-	-	154

ANNUAL SUMMARY, FOR ALL STATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	PAGE 182-83
SUNSHINE TABLE	-	-	-	-	-	-	-	-	-	-	-	-	-	184
MAP OF STATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	Frontispiece.

OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER, 1891.

Part I.—Detailed Observations.

In the present volume the "A" stations, or stations the observations from which are published *in extenso* on the international Form A., are the same as for the years 1886 to 1890, except that the Orkney station was changed in March from Stenness to Deerness, about 16 miles to the Eastward, owing to the removal of Mr. Spence to the latter place. They number 21, and are as follow, arranged in the order of latitude, beginning with the most Northerly, but starting afresh for the Irish Stations:—

Stations.	Observers.
Stenness and Deerness, Orkney -	M. Spence.
§ Dunrobin Castle - - -	D. Melville (for the Duke of Sutherland, K.G.).
§ Braemar - - -	James Aitken, J.P.
Laudale - - -	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
§ Dundee - - -	The late W. Ross McKelvie.
Glasgow - - -	The late Prof. R. Grant, M.A., LL.D., F.R.S.
§ Wolfelee - - -	W. Cockburn (for Sir W. Elliot, K.S.I.).
¶ Scarborough - - -	W. Robinson.
Cronkbourne, Isle of Man -	A. W. Moore, M.A., F.R.Met.Soc.
Stonyhurst College - - -	Rev. W. Sidgreaves, S.J.
¶ Hillington - - -	Rev. H. Ffolkes, M.A., F.R.Met.Soc.
¶ Churchstoke - - -	P. Wright, F.C.S., F.R.Met.Soc.
¶ Carmarthen - - -	G. J. Harder, M.D.
¶ Margate - - -	J. Stokes, F.R.Met.Soc.
Southampton - - -	J. T. Cook (for the Director General of Survey).
¶ Babbacombe (Torquay) -	E. E. Glyde, F.R.Met.Soc.
Londonderry - - -	J. Conroy, F.R.Met.Soc.
Armagh Observatory - - -	J. L. E. Dreyer, Ph.D., F.R.A.S.
Markree Castle - - -	A. Marth, F.R.A.S. (for Colonel Cooper, F.R.A.S.).
Dublin (Phoenix Park) -	Corpl. Stone (for Lieut.-Col. Kirkwood, R.E.).
Parsonstown - - -	E. Haines (for the Earl of Rosse, F.R.S.).

The stations in the above list marked with "§" and "¶" are in connexion with the Scottish Meteorological Society and the Royal Meteorological Society respectively. These Returns are published here under an arrangement which is fully detailed in the Annual Reports of the Meteorological Office.

In the "B" list (pages 132-133) the only changes in the stations as compared with those for 1890 are the re-insertion of St. Leonards, where the 9 p.m. observations are now resumed, and the introduction of Arley Cottage, Mount Nugent, Ireland.

It will be noticed that in this "B" list there are included, as in the years 1886-1890, the Observatories, or Stations of the First Order, in connexion with the Meteorological Office. Although the results from these stations, five in number (for Fort William now takes its place as an Observatory. and not as a Station of the Second Order), are already published in detail, abstracts based on two observations daily are

included in the present volume in order to make the representation therein of the meteorology of the United Kingdom as complete as possible.

The alterations which were made in the tables themselves in the volume for 1886 have been continued; thus the barometer readings and means, which previously had been reduced to the mean sea level, are now given without that reduction, that is, at station level. They are, however, corrected for instrumental error and reduced to 32° Fahrenheit as before. To give effect to the recommendation of the International Meteorological Conference that met in Munich in August 1891, the correction to be applied to the barometer readings, as printed, in order to allow for the difference of Gravity at the station, from that at Latitude 45°, is now inserted,—as in the volumes for 1889–1890,—at the head of the tables as “Gravity Correction.”

The other alterations are in the hygrometrical values, where the differences between the dry-bulb and wet-bulb readings are given under the heading “Dep. of Wet” (Depression of wet-bulb), and in the heading of the returns, where, in addition to the height of the station above the sea (which, as before, is usually the height of the ground on which the rain-gauge stands), the difference between this and the heights of the various instruments are shown.

It must be remembered also that the heights given in volumes previous to that for 1886, as those of the Irish stations above mean sea level, are in reality the heights of those stations above the datum level of the Irish Ordnance Survey, which is 7 feet lower than the Ordnance datum for Great Britain. In the present volume the heights of all the stations are referred to the mean sea level.

In other respects the general plan of the publication is the same as in previous years, including, as in the volumes from 1883, the printing of the individual barometer readings to the nearest second place of decimals only. The monthly means are, however, given to the third place of decimals as heretofore, and these monthly means having been obtained from the original readings, to three figures, they will be found occasionally to differ .001 inch from the arithmetical mean of the printed daily readings. When any such difference occurs, the mean, as printed, may be taken as that which is nearer the truth.

The examination and reduction of the observations made at the stations belonging to the Scottish Meteorological Society has been completed by Dr. Buchan, M.A., F.R.S.E., the Secretary of that Society. At these stations, the scale that was employed for wind-force is that known as the land scale, 0–6, and the entries under this head have therefore been multiplied by two to make them fairly comparable with observations under the Beaufort scale.

The forms in which the observations are published are those adopted for international use by the Meteorological Congress at Rome, 1879, but modified as stated above.

The tables used in the reductions of the barometer readings to 32° Fahrenheit are those given in the “Instructions in the Use of Meteorological Instruments,” London, 1875.

The observations of temperature are all corrected for errors of the thermometers.

The minimum and maximum thermometers have been read and set at 9 p.m. each day, and the readings entered to the day on which they were read.

The tables employed for the hygrometrical reductions are Glaisher's, 5th edition. London, 1869.

In Relative Humidity, complete saturation is represented by 100.

The Wind direction is *true*. Wind force is estimated by Beaufort's scale (except at the stations mentioned above), as follows:—

0 Calm.	5 Fresh breeze.	10 Whole gale.
1 Light air.	6 Strong breeze.	11 Storm.
2 Light breeze.	7 Moderate gale.	12 Hurricane.
3 Gentle breeze.	8 Fresh gale.	
4 Moderate breeze.	9 Strong gale.	

The Cloud amount is estimated by a scale in which 0 represents clear sky, and 10 completely overcast.

Rainfall is measured at 9 a.m. (at Stonyhurst at 10 a.m.) each morning, and the amount registered entered to the *previous* day. ~~At Wolfelee, however, the amount of snow was not always measured on the day on which it fell, and hence the number of days of precipitation in certain months is doubtful, it being uncertain in some cases whether the amount of snow reached .005 inch or not.~~

The following are the symbols adopted by international agreement and used in the “Remarks” columns:—

Rain - - - - - ●	Hoar-frost - - - - - ⊥	†Solar Corona - - - - - ⊙
Snow - - - - - *	Dew - - - - - ∩	†Solar Halo - - - - - ⊕
*Snow lying - - - - - ⊠	†Silver-thaw (“Rauh-frost,” “Duft”) - - - - - ∨	†Lunar Corona - - - - - ⊙
Snow Drifting - - - - - ⊕	Glazed Frost (“Glatteis”) - - - - - ~	†Lunar Halo - - - - - ⊕
Hail - - - - - ▲	Thunderstorm - - - - - ⚡	Rainbow - - - - - (
Soft-Hail (“Graupel”) - - - - - △	Lightning without Thunder, or } - - - - - <	Aurora - - - - - ✨
Ice Crystals - - - - - ←	Sheet Lightning - - - - - }	Dust Haze (“Höhenrauch”) - - - - - ☼
Mist, Fog - - - - - ☼	Strong Wind - - - - - ↘	

In respect of their intensity, the individual phenomena are distinguished by the figures 0 and 2, which are used as exponents of the symbols, in such a way that 0 indicates very slight, 2 strong.

e.g. ●⁰ slight Rain.

●² heavy Rain.

It is further to be remarked that Fog (mist) is only entered when the observer is quite enveloped in it.

In giving the period of occurrence of the various phenomena “m.” is never printed, hence—

a. indicates a.m.

p. ” p.m.

9a.—9p. ” 9 a.m. to 9 p.m., and further

n. is used to indicate night.

Figures printed in *italic type* are interpolations, obtained by careful comparison of the Returns from adjacent stations. These probable readings have been used in obtaining the monthly means.

The extremes of the Minimum Temperature, Maximum Temperature, Relative Humidity, and Rainfall are, as in previous years, printed in Egyptian type.

* The symbol for “snow lying” is only to be employed if more than half of the country in sight round the station is covered with snow.

† “Rauh-frost” or “Duft-anhang” is the phenomenon of the deposition of a large quantity of frozen moisture on trees when the weather suddenly becomes warm after great cold, sometimes called, as above, “Silver-thaw.”

‡ In some previous volumes (till 1887) the symbols for Solar and Lunar Halos and Coronae have been by accident transposed. They are correct as printed above.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUNDEE.—JANUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	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.	
1	ins.	ins.	38°3	37°4	36°5	38°5	1°3	1°6	ins.	ins.	SE	1	10	10	ins.	Dull day.
2	30°00	30°00	36°5	35°1	34°5	38°1	0°2	0°2	212	201	NE	1	10	10	0°10	☁️ 6p.
3	29°04	29°03	35°3	36°9	32°8	38°4	0°6	0°4	195	211	W	1	10	10	0°10	Dull, with ☁️.
4	29°03	30°09	36°9	32°0	30°9	37°8	1°1	2°2	108	133	N	1	10	7	—	Fine day.
5	30°16	32°	33°2	31°2	29°9	36°1	1°3	1°9	163	131	N	2	10	5	—	* showers 10p.
6	35	30°27	31°8	25°5	23°8	33°4	1°2	0°9	152	108	NW	1	10	7	—	Dull day.
7	30°09	29°08	29°0	28°0	23°3	33°7	1°0	1°4	130	112	NW	1	10	7	—	* showers 11a.—7p.
8	29°02	29°08	26°3	32°3	19°6	32°6	1°5	0°7	096	168	NE	1	10	10	0°	☁️
9	29°03	30°05	23°7	23°5	22°8	32°7	0°1	0°0	124	126	S	1	10	5	0°20	☁️ in past n.
10	30°18	16	29°5	36°5	21°9	36°5	0°1	0°9	161	198	W	8	10	10	—	Fine day.
11	11	16	40°2	42°5	35°5	43°8	1°7	0°7	257	87	W	1	10	5	—	Fine day.
12	32	42	43°9	43°4	42°0	49°0	0°8	0°7	268	266	W	1	10	5	0°10	Fine day.
13	39	35	40°4	41°9	37°3	48°9	2°3	4°3	205	185	W	1	10	10	—	* showers n. and during day.
14	53	58	36°4	31°8	31°0	42°1	4°0	2°2	145	131	NW	2	10	10	0°20	☁️ showers. Dull, with thaw.
15	36	06	36°2	40°4	30°3	41°7	3°4	3°4	153	153	N	1	10	10	—	Dull day.
16	10	12	33°7	31°5	30°3	40°9	0°5	1°6	184	140	N	1	10	10	—	Dull day.
17	19	30	28°6	30°9	26°8	33°6	1°0	0°3	128	166	N	1	10	10	0°10	Dull day.
18	30°22	30°03	27°7	31°1	24°8	31°4	0°6	1°5	133	138	SW	2	10	10	0°10	* showers at night.
19	29°08	29°20	33°9	37°4	30°3	37°6	1°4	1°6	167	192	SW	2	10	7	1°30	☁️ n. and ☁️ (sleet) showers.
20	10	28°06	41°5	31°4	30°7	42°6	1°8	1°3	225	146	SW	8	10	5	0°50	☁️ at night.
21	07	29°06	29°0	30°7	27°2	35°2	1°0	0°5	140	130	NW	1	10	5	1°60	* n. ☁️ during day. (gale) from 6p.
22	29°11	29°38	29°6	27°0	25°5	35°9	0°9	0°5	140	130	S	1	10	5	0°60	☁️. Cloudy.
23	28°97	28°93	33°8	40°2	23°6	42°1	0°6	3°6	182	180	SW	1	10	10	—	Dull from 1p. Thaw.
24	29°04	29°09	37°2	34°3	33°3	40°7	0°6	1°2	210	174	W	2	10	10	—	Cloudy.
25	55	48	39°4	42°7	31°3	42°7	3°4	1°3	177	246	W	2	10	10	0°30	☁️ showers n. and during day.
26	44	28	41°7	45°4	41°7	46°6	1°4	1°6	235	267	W	2	10	10	0°40	Dull, with ☁️ showers n. and during day.
27	32	55	41°1	39°6	39°1	46°3	2°0	1°1	216	221	W	4	10	10	0°10	Dull, with ☁️ showers.
28	41	50	41°8	43°4	37°7	46°7	0°3	2°0	258	238	SE	1	10	0	1°10	Dull, with ☁️ showers.
29	46	40	37°8	39°5	35°2	43°4	1°0	1°5	208	212	S	1	10	0	0°10	Dull, with ☁️ showers.
30	58	68	39°2	39°9	35°2	39°9	1°4	1°4	212	218	S	1	10	0	0°30	
31	29°33	29°47	38°6	40°6	35°7	41°6	3°5	2°6	170	201	SE	6	10	10	0°780	
Mean	29°794	29°797	35°2	35°6	31°0	39°7	1°4	1°5	181	182	1°9	2°1	7°6	7°3	0°780	

GLASGOW.—JANUARY 1891.

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.

1	29°08	29°07	36°7	37°9	35°8	38°5	1°6	1°1	186	207	NE	2	10	10	1°12	Overcast, with ☁️ (mist).
2	06	07	37°3	37°8	36°1	38°5	0°3	0°2	217	223	E	1	10	10	1°58	☁️ a. Overcast, with ☁️.
3	01	29°08	39°6	40°1	36°8	40°9	0°1	0°1	241	246	NE	1	10	0	—	Dull and overcast. Clear n.
4	29°02	30°09	37°1	32°2	31°9	40°7	1°0	3°4	201	114	E	1	10	0	—	Fine and clear.
5	30°17	30	33°8	32°0	29°9	36°3	3°8	2°5	123	127	NE	1	10	0	—	Overcast, with ☁️ (mist).
6	33	30°25	27°9	31°3	26°1	33°2	0°8	1°8	138	134	W	1	10	10	—	Fine and clear.
7	30°08	29°05	32°6	30°1	29°1	35°8	2°3	3°6	138	087	S	1	10	10	0°22	Dull and overcast. ☁️ ☁️.
8	29°52	29°52	34°1	33°5	26°6	40°0	1°9	0°5	150	182	SW	1	10	0	—	☁️ a. Dull and overcast.
9	29°00	30°04	34°2	30°2	30°2	34°7	0°8	0°0	181	168	NE	1	10	3	—	Dull and cloudy.
10	30°16	18	36°0	38°3	29°1	39°0	1°4	1°6	184	199	S	1	10	10	0°60	Dull and overcast.
11	19	23	41°1	44°9	38°2	45°6	1°5	0°8	226	278	SW	2	10	10	—	Dull and overcast.
12	35	46	45°4	45°3	44°7	47°1	0°7	0°9	287	281	SW	1	10	7	—	Dull and cloudy.
13	42	35	43°8	42°8	41°6	48°1	2°0	4°4	242	188	SW	1	10	7	—	Clear at night.
14	51	62	38°8	33°9	32°8	44°4	5°9	3°0	136	138	NW	1	10	5	—	Dull and cloudy.
15	30	07	35°8	42°6	32°3	44°1	3°6	4°6	145	184	W	1	10	8	—	
16	04	09	36°7	36°4	35°6	44°2	2°1	2°0	178	177	NW	1	10	10	—	
17	15	24	32°8	31°1	30°8	36°9	1°0	1°2	148	146	NE	1	10	10	0°30	Dull and overcast. [evening.]
18	30°17	30°01	29°9	32°4	24°4	32°6	2°2	0°5	111	173	S	1	10	10	2°45	* a. Dull and overcast. ☁️ in evening.
19	29°08	29°08	33°4	30°4	29°0	39°6	1°2	0°9	167	223	W	1	10	7	2°70	Dull and squally, with ☁️ ☁️.
20	14	28°09	42°8	31°5	30°9	43°0	0°9	0°0	255	177	SW	4	10	10	2°80	Dull and cloudy. ☁️ in evening.
21	07	30°00	28°0	32°6	27°9	33°4	0°4	0°4	141	177	W	1	10	10	2°20	☁️ showers.
22	29°07	34	32°5	27°5	26°7	37°4	1°8	0°5	146	135	W	1	10	9	1°70	Cloudy and squally, with ☁️ ☁️.
23	28°03	00	41°8	43°0	26°6	45°6	0°2	2°1	261	232	SW	1	10	9	1°70	Cloudy, with ☁️ ☁️ showers.
24	29°03	10	39°4	36°6	33°4	44°1	1°2	1°7	217	184	SW	1	10	10	0°80	Squally and overcast. ☁️ in evening.
25	58	52	37°5	43°9	34°1	44°0	1°8	1°1	189	262	S	2	10	10	2°00	Squally and overcast. ☁️ a. and p.
26	43	25	43°5	46°1	42°0	47°9	1°7	0°9	245	290	SW	1	10	9	0°84	☁️ a.
27	56	52	41°5	42°2	40°6	46°9	2°1	1°6	218	235	S	1	10	3	—	Dull and cloudy. ☁️.
28	35	48	45°7	42°3	41°0	49°0	0°6	1°2	204	244	SE	1	10	0	1°63	☁️ showers. Clear evening.
29	35	37	43°7	40°2	40°2	45°4	1°8	1°0	245	228	SW	1	10	5	0°30	☁️ a.
30	55	60	40°8	40°3	38°8	43°0	0°7	1°3	240	223	S	2	10	8	—	Squally and overcast, with ☁️.
31	29°04	29°56	39°4	38°6	38°6	44°0	0°9	1°7	223	200	S	2	10	8	—	
Mean	29°767	29°788	37°5	37°3	33°6	41°4	1°6	1°5	196	196	1°2	1°3	8°1	6°7	2°680	

WOLFELEE.—JANUARY 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.							
	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.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.
1	29°53	29°54	35°2	27°2	20°0	37°0	1°4	0°4	179	135	87	91	S	S	—	—	ins.
2	52	53	28°2	31°7	23°5	35°0	1°4	0°9	114	158	74	88	SW	SW	—	—	*030
3	49	55	37°0	37°0	31°5	39°0	0°7	0°7	206	206	94	94	SW	SW	—	—	—
4	39	53	36°7	30°2	28°0	38°0	1°4	1°9	191	121	88	72	NE	N	—	—	—
5	61	78	30°7	28°2	25°0	34°0	0°9	1°4	148	114	87	74	N	N	—	—	—
6	85	78	18°0	21°9	14°5	34°0	0°7	0°6	074	097	77	83	NE	NW	—	—	—
7	61	43	25°2	20°0	15°0	34°0	0°4	0°7	122	083	90	77	W	W	—	—	—
8	15	10	29°7	30°7	17°5	33°0	1°9	0°9	116	148	71	87	SW	SW	—	—	—
9	35	58	30°7	30°2	28°0	37°0	0°9	0°4	148	157	87	94	W	W	—	—	—
10	75	70	27°2	37°5	25°0	38°0	0°4	1°2	135	201	91	90	W	W	—	—	—
11	74	76	38°5	40°0	36°0	42°0	1°4	0°7	205	232	88	94	SW	SW	—	—	—
12	89	97	44°5	39°5	37°0	48°5	0°9	0°7	273	228	93	94	SW	W	—	—	—
13	96	29°87	32°2	39°0	29°5	48°0	0°9	2°3	163	195	89	83	W	W	—	—	—
14	98	30°05	34°2	29°7	28°0	40°0	3°4	0°4	135	154	68	94	N	N	—	—	—
15	91	29°56	32°2	36°2	27°0	41°0	0°9	0°9	163	197	89	92	NW	NW	—	—	—
16	57	61	32°6	27°8	27°8	39°5	0°3	0°5	180	137	97	90	NE	NE	—	—	*020
17	60	79	29°2	13°2	13°0	32°0	0°0	0°0	161	079	100	100	NE	E	—	—	—
18	75	59	19°8	19°9	9°0	32°0	0°5	0°6	090	087	85	81	W	E	—	—	—
19	29°46	29°33	30°0	32°2	17°0	34°0	0°7	0°4	148	174	88	95	SW	W	—	—	—
20	28°82	28°59	38°5	32°2	30°0	41°0	0°9	1°4	215	151	92	82	SW	W	—	—	*250
21	64	64	28°2	30°2	25°0	32°5	0°4	0°4	142	157	92	94	NW	NW	—	—	*030
22	59	93	30°2	19°2	18°0	35°0	0°9	0°0	145	104	86	100	NW	NW	—	—	*270
23	61	64	38°7	40°0	18°0	44°5	1°1	1°2	214	222	91	90	SW	SW	—	—	*300
24	28°64	28°69	40°2	34°7	32°0	44°0	1°6	0°9	216	184	88	92	SW	SW	—	—	—
25	29°74	29°13	35°3	42°0	31°0	42°5	2°4	1°4	159	237	78	80	NW	W	—	—	*050
26	29°07	28°93	41°5	44°0	39°0	46°0	0°9	0°9	243	207	93	93	SW	SW	—	—	*730
27	28°07	29°13	39°8	39°0	37°0	44°0	1°7	0°9	211	220	87	93	SW	SW	—	—	*100
28	29°01	29°09	41°5	42°0	37°0	46°0	0°9	1°4	245	237	93	80	SW	SW	—	—	*200
29	28°99	28°07	40°0	36°0	35°0	46°0	1°4	0°2	218	208	89	98	SW	SW	—	—	*240
30	29°13	29°24	38°0	40°5	33°0	44°5	0°4	0°9	220	233	96	93	SW	SW	—	—	*140
31	28°78	29°15	40°0	37°0	35°5	44°0	1°9	1°2	209	196	85	89	SW	SW	—	—	*300
Mean	29°341	29°355	33°7	32°5	26°7	39°5	1°1	0°8	174	172	87°5	89°5	—	—	—	—	2°660

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JANUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	38°0	39°5	34°0	40°2	1°2	1°3	ins.	ESE 4	E 4	10	10	ins.	Overcast. (mist) shower
2	30°04	30°05	40°0	38°7	38°7	41°2	0°3	0°7	241	Calm 0	Calm 0	10	10	001	Overcast, with
3	30°03	29°09	42°9	42°2	37°0	44°5	0°3	0°3	241	WSW 1	W 3	9	7	001	a. Dull day.
4	29°02	30°09	39°0	34°0	33°2	43°0	1°2	2°0	214	N 1	NE 3	2	1	—	Fine day.
5	30°20	31	34°0	33°1	29°8	37°3	1°9	2°1	158	NNE 3	N 2	0	1	—	a. Fine day.
6	30°37	30°31	30°0	25°7	25°7	36°0	1°8	0°5	120	N 1	N 2	3	3	—	a. Fine day.
7	30°18	29°05	31°0	31°0	24°0	37°2	1°2	2°0	143	NW 1	W 2	6	0	032	a. Fine day. at night.
8	29°03	29°06	37°0	38°2	23°0	39°2	0°8	0°6	204	S 5	WSW 2	10	10	272	a. Overcast.
9	29°08	30°13	38°4	31°8	30°8	39°3	0°7	0°6	218	E 2	N 1	9	4	006	showers a. Dull day.
10	30°28	33	34°8	42°0	27°5	45°0	0°8	1°5	186	N 1	SW 4	10	10	—	(mist) showers. Dull day.
11	30°37	40	44°0	45°0	40°5	46°2	2°0	1°8	244	WSW 4	W 3	9	4	—	Dull day.
12	48	46	46°0	45°0	42°7	47°7	1°2	1°8	283	W 3	NW 2	8	3	—	Dull day.
13	58	44	44°0	45°5	40°5	47°5	3°0	4°5	224	NW 4	N 3	4	3	003	Dull day.
14	60	66	41°2	34°2	33°2	45°5	3°2	4°2	196	NE 3	NE 3	2	4	—	Fine day.
15	51	14	39°4	43°5	31°0	44°5	3°1	2°3	182	NNW 2	N 4-5	3	7	044	a. Fine a. Overcast, with
16	12	15	38°6	33°5	33°0	43°5	2°8	0°5	182	Calm 0	NNE 1	7	8	—	[showers p.]
17	22	29	33°2	33°5	29°2	37°5	1°6	3°8	157	NE 1	SE 3	3	6	001	a. Fine day.
18	30	30	32°0	34°5	30°5	35°2	3°4	2°8	111	S 2	SW 4	7	10	010	Dull day.
19	30°00	29°03	36°8	40°5	33°5	41°5	0°6	1°8	206	WSW 2	W 5	10	6	034	a. Dull day. Squally
20	29°44	19	44°8	37°0	36°0	47°2	0°8	2°5	278	WSW 5-6	NW 6	10	7	098	Overcast, with squally showers.
21	23	19	35°8	38°2	34°2	39°0	2°6	2°0	162	WNW 4	W 4	7	10	032	Fine day. a. showers n.
22	28	45	38°2	35°0	33°8	41°4	2°8	2°0	178	NW 5	NW 2	2	8	292	Squally a. Fine day. n.
23	29	22	47°4	45°7	35°3	48°6	0°3	2°0	319	SW 5-6	WSW 3	10	6	176	Squally a. Overcast.
24	20	27	45°2	38°7	37°5	45°7	1°6	2°2	264	WSW 4	W 5	10	8	102	Dull with showers. Squally p.
25	75	72	42°0	45°8	37°7	45°8	2°0	1°8	235	SW 4	SW 5	4	10	021	Fine a. Dull and squally p. n.
26	61	44	42°0	47°5	43°0	47°5	0°4	0°6	281	SSW 5	SSW 6	10	10	260	Overcast, with squally
27	58	65	44°0	44°8	41°5	48°0	1°8	0°8	248	SSW 6	SW 2	10	10	118	a. Fine day.
28	53	64	47°0	46°6	43°8	48°0	0°2	0°2	318	WSW 3	SW 2	10	10	117	Squally a. Dull afternoon.
29	43	56	44°0	41°0	39°7	46°6	0°4	1°8	279	SSW 3	SW 2	10	3	100	a. showers p.
30	69	71	43°9	44°0	37°3	47°0	1°9	1°3	245	W 3	SSE 4	8	2	106	Fine day. Squally with n.
31	29°45	29°71	44°8	37°6	37°6	46°0	3°8	2°1	216	SW 8-9	NW 1	7	4	003	Squally a. Stormy. p.
Mean	29°06	29°08	40°1	39°1	34°6	43°3	1°6	1°8	218	3°2	3°1	6°8	6°3	1°842	

STONYHURST.—JANUARY 1891.

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.

Long. 2° 28' W. Lat. 50° 51' N. Graving.																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Bar.	29°79	80	81	65	29°89	30°09	29°94	52	29°63	30°07	19	24	30	27	30°21	29°83	29°34	28°98	28°99	29°02	02	51	49	34	41	45	30	48	29°34	29°47	29°685		
Therm.	29°83	83	69	78	30°01	30°08	29°74	39	29°89	30°08	19	29	30	30	29°85	29°87	30°07	29°07	29°07	29°02	01	57	49	34	41	45	30	48	29°47	29°685	34°3		
Humid.	33°9	34°1	34°5	32°4	31°4	25°6	30°8	29°1	34°9	25°9	19°9	29	29	30	34°0	34°6	24°5	15°6	32°1	34°0	41°4	37°1	38°1	40°0	40°0	41°3	42°0	39°4	39°4	40°7	34°3		
Wind	31°7	32°4	37°6	31°6	30°0	25°6	30°8	32°5	33°5	33°5	30°8	37°9	37°9	37°9	40°7	29°9	21°6	12°4	32°0	32°8	41°6	37°1	35°5	40°0	43°5	38°2	44°8	39°3	39°4	40°7	34°7		
Force	35°0	35°0	37°8	39°5	35°5	31°4	33°6	33°6	35°4	31°4	33°6	41°5	41°5	41°5	43°0	33°0	31°5	31°3	31°3	31°2	31°7	31°7	35°5	43°4	46°3	46°5	47°5	38°2	38°2	35°5	30°2		
Dir.	0°3	0°7	0°4	1°1	2°3	2°8	0°9	1°5	1°9	1°3	2°4	0°4	0°4	0°8	4°0	0°5	1°3	1°1	1°1	0°4	0°5	0°5	1°1	1°0	1°2	1°5	1°2	1°8	1°8	3°4	1°5		
Speed	175	181	187	191	188	169	117	119	165	161	117	216	219	242	107	151	089	068	055	163	207	157	166	240	257	207	226	236	236	211	208	172	
Cloud	96	92	89	94	97	92	77	83	81	84	68	94	96	94	80	64	68	72	56	86	87	90	92	85	92	91	89	93	91	86	75	83°0	
Remarks	NE 1	NE 1	NE 1	W 1	Calm 0	Calm 0	NNE 1	Calm 0	Calm 0	Calm 0	Calm 0	SWb.S1	S 2	SWb.S1	Calm 0	W 1	W 2	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	W 1	1°4	
Notes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1°2
Summary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6°9
Final	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7°0
Overall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3°086
Notes	∞ a. Cloudy day.	∞ a. Cloudy p.	∞ a. Overcast, with	Cloudy a. ∞ in evening.	Sunny a. Cloudy p. ∞ in evening.	Clear a.	Overcast. ∞ p.	Overcast.	Overcast and gloomy a. ∞ (mist)	Overcast.	Overcast. ∞ (mist) p.	∞ a. Sunny p. ∞ at n.	Sunny a. Cloudy afternoon.	Cloudy, then overcast.	Overcast, with ∞.	Sunny day.	Sunny day. ∞ p.	Overcast and gloomy. ∞ p.	Overcast, with ∞. Squally p.	∞ ∆ a. Cloudy. ∞ p.	∞ ∆ showers a. Cloudy.	Overcast, with ∞.	Overcast and gloomy.	Overcast and cloudy a. Sunny p.	Overcast. ∞ p.	Overcast. ∞ p.	Overcast a. Cloudy p.	Sunny and squally a. Cloudy p.	—	—	—		

JANUARY 1891.

HILLINGTON.—JANUARY 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	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.						
1	ins.	ins.	34°8	31°9	31°5	37°5	0°5	0°2	ins.	ins.	%	%	SE	0°5	ENE	0°5	8	0	ins.	5.30a.	
2	12	15	22°9	23°7	21°2	32°9	0°0	0°0	122	127	100	100	S	0°5	SSE	0°5	10	10	—	all day.	
3	30°13	30°01	27°4	33°4	22°0	33°4	0°3	0°0	140	191	94	100	S	0°5	SSW	0°5	10	10	077	Overcast, with (mist).	
4	29°89	29°06	34°0	33°6	32°2	36°2	0°2	0°9	191	174	98	90	NW	0°5	NNW	0°5	5	10	060		
5	30°07	30°19	27°6	29°8	26°0	34°2	1°0	4°0	119	077	80	47	NNW	0°5	NE	3	0	10	030	a. and p.	
6	29	30°28	28°8	28°0	26°9	31°3	1°0	1°3	130	115	82	75	NE	2	NE	1	9	0	050	8a. a. showers. [Mid.	
7	30°17	29°06	19°9	29°8	17°9	29°8	1°2	0°1	068	162	64	98	NW	0°5	NW	1	9	10	250	a. and p. (very heavy) 8p.—	
8	29°88	29°83	28°7	27°2	15°0	29°8	0°3	1°3	149	108	95	74	SSW	1	SW	0°5	10	0	—	Snow 6 ins. deep. Fine and sunny.	
9	30°06	30°25	24°4	24°9	17°2	29°2	0°7	1°1	106	097	82	72	SW	0°5	SW	0°5	2	10	—	Fine and sunny. Fine red sunset.	
10	42	51	10°8	11°9	9°1	26°3	0°5	0°3	058	066	83	88	SE	0°5	SE	0°5	0	0	—	Very fine and sunny. Fine sunset.	
11	57	54	23°8	28°8	8°1	27°2	0°1	0°1	124	118	97	97	S	1	SW	0°5	10	0	—	(mist) all morning. Very [fine sunset.	
12	48	51	34°2	34°0	21°1	38°5	1°4	0°2	169	191	85	98	W	0°5	SW	0°5	10	0	008	Overcast, with thaw.	
13	52	40	36°8	32°2	31°1	38°3	0°1	0°4	217	173	99	95	NW	0°5	NW	1	10	0	010	(mist). 4p.	
14	44	42	34°6	33°0	31°6	38°3	0°9	1°4	182	158	91	84	NW	3	NW	3	6	4	200	(sleet). showers.	
15	35	03	31°9	33°0	29°5	34°2	0°2	0°3	175	182	98	96	N	3	NW	1	10	10	265	Frequent showers.	
16	02	10	28°0	21°8	18°1	34°6	0°8	0°1	128	113	84	97	NE	2	NNE	0°5	2	0	080	Cold wind, with showers.	
17	21	35	24°8	9°2	8°0	28°1	0°2	0°4	126	056	95	88	NE	0°5	ENE	0°5	8	0	052	a. and p. 6p.	
18	34	25	25°0	25°9	5°2	30°4	1°0	1°9	100	083	74	60	NE	0°5	N	1	9	10	—	a. Fine sunset. 7p. 13p.	
19	30°18	30°09	9°0	27°9	6°1	28°1	0°4	0°2	055	146	87	96	SW	0°5	SW	1	1	10	—	Very fine and sunny a. Overcast from	
20	29°81	29°28	33°0	37°1	26°3	40°3	1°2	0°6	162	209	86	95	SW	3	SW	1	10	10	265	Very overcast and gloomy. 2p.	
21	30	37	31°6	27°1	27°0	38°1	1°7	0°4	139	134	78	91	SW	3	NW	0°5	1	0	040		
22	29	53	54°1	30°1	24°1	37°5	1°3	0°3	172	159	87	96	WSW	1	SW	2	7	0	032	early a. Thaw later.	
23	53	33	36°0	44°1	24°9	44°9	0°5	0°4	201	279	96	97	S	2	SW	4	10	6	143	(mist) a. U	
24	41	37	44°2	37°1	36°9	44°5	0°2	0°9	286	203	98	92	SW	2	SW	3	10	8	155	Overcast a. p. U	
25	80	97	37°3	38°2	34°2	44°3	1°5	1°0	192	210	87	92	W	2	W	2	0	10	—	Very fine and sunny a. Cloudy from 13p.	
26	93	84	39°0	40°1	35°0	48°3	0°6	1°4	225	219	95	89	SW	2	SW	3	10	10	—		
27	75	88	41°5	38°0	37°2	48°1	0°9	0°3	242	223	93	97	SW	3	SW	2	9	10	010	10.30 a.	
28	86	86	40°9	46°1	37°5	49°4	0°2	0°5	251	299	99	96	SW	1	SW	2	6	10	057	Cloudy, then fine.	
29	77	29°61	46°8	45°8	44°6	48°9	0°9	0°1	298	306	93	99	SW	3	SW	4	10	10	252	most of day.	
30	88	30°01	37°6	37°4	33°6	49°2	0°5	0°7	215	200	96	94	SW	1	SW	0°5	4	70	092	Very fine and sunny.	
31	29°84	29°88	43°0	42°8	36°6	50°4	0°8	1°1	259	251	94	92	SW	3	SW	4	6	10	320	T 3.30p.	
Mean	30°013	29°996	31°4	31°5	25°0	37°5	0°7	0°7	168	168	89°8	89°8	1°4	1°5	6°8	5°7	2°452				

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

CARMARTHEN.—JANUARY 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.	Vapour Tension.	Per-centage.										
	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.				
1	ins.	ins.	38.3	35.4	32.2	43.0	1.8	0.8	in.	in.	%	%	NE	1	Calm	0	8	6	ins.
2	29.87	29.93	38.3	35.4	32.2	43.0	1.8	0.8	1.19	1.19	85	93	Calm	0	Calm	0	5	10	☁ 9p.
3	29.97	30.00	33.6	31.7	27.7	40.8	0.3	0.4	1.16	1.16	96	95	Calm	0	Calm	0	10	10	☁ 9p.
4	30.05	29.91	33.2	37.9	30.8	38.1	1.1	0.4	1.16	1.16	88	97	Calm	0	Calm	0	10	10	☁ 9p.
5	29.87	29.91	37.1	35.9	30.8	42.5	0.5	1.3	1.11	1.11	95	89	NW	1	E	2	7	0	—
6	30.08	30.15	32.9	30.4	27.5	37.4	1.8	1.3	1.15	1.15	86	80	NE	1	NE	2	0	0	—
7	30.17	29.98	38.9	35.2	24.5	33.6	0.9	0.9	1.13	1.13	84	78	Calm	0	NE	3	0	0	—
8	29.68	29.54	34.1	37.7	16.8	37.7	2.3	4.5	1.12	1.12	87	83	Calm	0	Calm	0	10	0	—
9	29.75	30.09	35.9	33.9	32.3	37.7	0.8	0.9	1.15	1.15	92	91	SE	1	Calm	0	10	0	—
10	30.33	30.39	32.9	28.9	28.9	40.9	1.1	1.2	1.14	1.14	87	79	E	1	NE	1	8	8	—
11	30.46	30.46	28.9	31.9	25.8	41.8	1.4	1.3	1.12	1.12	97	91	E	1	Calm	0	10	0	—
12	30.53	30.49	25.1	34.4	23.5	37.5	0.4	0.4	1.12	1.12	99	100	E	1	Calm	0	8	0	—
13	30.50	30.49	38.9	38.9	34.0	44.5	0.4	1.2	1.12	1.12	97	91	NE	1	Calm	0	5	0	—
14	30.47	30.47	35.7	34.1	34.1	45.5	3.6	1.0	1.14	1.14	82	67	N	1	NE	1	0	0	—
15	30.47	30.47	35.7	34.1	34.1	45.5	3.6	1.0	1.14	1.14	78	83	N	1	N	1	5	4	—
16	30.47	30.47	35.7	34.1	34.1	45.5	3.6	1.0	1.14	1.14	85	85	Calm	0	Calm	0	5	0	—
17	30.15	30.15	22.2	24.9	10.2	32.2	1.1	0.3	0.71	0.71	66	91	Calm	0	Calm	0	5	0	—
18	29.77	29.77	16.9	19.9	10.2	32.2	1.1	0.3	0.71	0.71	98	90	E	1	Calm	0	10	10	☁ 9p.
19	30.09	30.09	21.9	31.3	15.9	31.6	0.5	0.7	0.98	0.98	82	82	SW	4	W	4	10	10	☁ 9p.
20	29.70	29.70	41.7	41.7	30.8	46.2	1.2	2.4	1.12	1.12	91	82	W	1	NW	1	7	10	☁ 9p.
21	30.31	30.31	37.6	34.9	30.7	43.8	2.4	1.1	1.18	1.18	80	90	NW	1	SW	1	7	10	☁ 9p.
22	30.39	30.39	47.7	37.4	34.5	45.5	2.9	0.9	1.12	1.12	98	93	SW	2	Calm	0	10	10	☁ 9p.
23	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	97	87	SW	1	W	2	10	8	☁ 9p.
24	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	85	95	SW	1	SW	2	1	10	☁ 9p.
25	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	85	95	SW	1	SW	2	1	10	☁ 9p.
26	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	89	93	S	2	SW	6	10	10	☁ 9p.
27	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	95	95	SW	2	S	2	10	10	☁ 9p.
28	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	98	98	S	2	Calm	0	10	10	☁ 9p.
29	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	97	97	S	6	Calm	0	10	10	☁ 9p.
30	30.40	30.40	45.8	45.2	37.3	49.3	0.3	0.3	1.12	1.12	95	91	S	1	S	2	8	0	☁ 9p.
31	29.69	29.54	42.2	42.9	41.9	48.7	0.4	0.4	1.12	1.12	96	97	SW	1	SW	1	10	10	☁ 9p.
Mean	29.930	29.930	30.2	35.7	30.5	42.6	1.2	1.1	1.195	1.195	87.0	88.5	1.2	1.1	0.6	5.8	4.250		

MARGATE.—JANUARY 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

1	30.09	30.12	36.0	35.0	27.7	37.6	1.4	1.8	1.184	1.169	NE 1	Calm	0	10	0	Fine day. Thawing.
2	30.10	30.15	30.0	31.6	26.7	35.0	0.0	0.0	1.164	1.178	NE 1	Calm	0	10	0	Dull, with ☁.
3	30.17	30.17	30.8	32.0	29.0	36.6	0.0	0.0	1.172	1.181	NE 1	Calm	0	10	0	☁ all day. ☁ p.
4	29.92	30.04	30.6	31.0	31.0	37.2	1.0	0.4	1.197	1.163	NW 3	N 1	10	0	0	☁.
5	30.06	30.16	30.0	30.0	28.0	31.0	1.0	1.0	1.140	1.140	NE 3	N 4	9	4	0	☁.
6	30.21	30.26	30.7	30.4	26.7	31.8	0.1	0.4	1.160	1.158	NE 3	N 4	9	4	0	☁.
7	30.12	29.93	30.2	30.4	26.0	32.6	0.4	0.7	1.157	1.151	NE 3	N 4	9	4	0	☁.
8	29.91	29.90	30.8	28.2	24.0	31.2	0.8	1.0	1.152	1.124	NE 3	N 4	9	4	0	☁.
9	30.04	30.23	22.6	16.1	15.6	28.5	1.8	0.1	0.66	0.66	NE 3	N 4	9	4	0	☁.
10	30.39	30.55	24.3	32.1	16.1	33.6	2.2	0.6	0.66	0.66	NE 3	N 4	9	4	0	☁.
11	30.57	30.63	26.3	22.3	22.8	32.4	0.3	0.7	1.132	0.94	NE 3	N 4	9	4	0	☁.
12	30.52	30.56	30.8	35.5	20.6	36.0	0.3	0.0	1.165	1.208	NE 3	N 4	9	4	0	☁.
13	30.50	30.48	38.0	40.0	34.0	40.3	0.0	0.5	1.197	1.174	NE 3	N 4	9	4	0	☁.
14	30.42	30.39	35.0	33.8	31.8	40.0	0.3	1.0	1.197	1.174	NE 3	N 4	9	4	0	☁.
15	30.30	30.11	32.4	32.0	31.0	33.8	1.4	1.2	1.152	1.153	NE 3	N 4	9	4	0	☁.
16	30.14	30.05	29.5	27.5	26.0	32.0	1.5	0.5	1.122	1.134	NE 3	N 4	9	4	0	☁.
17	30.10	30.09	29.0	27.0	23.7	31.0	1.1	1.2	1.129	1.114	NE 3	N 4	9	4	0	☁.
18	30.17	30.20	30.8	32.6	25.0	32.9	1.1	1.0	1.145	1.162	NE 3	N 4	9	4	0	☁.
19	30.17	30.20	30.8	32.6	25.0	32.9	1.1	1.0	1.145	1.162	NE 3	N 4	9	4	0	☁.
20	29.96	29.44	35.2	38.8	25.0	30.0	0.5	0.4	1.195	1.228	NE 3	N 4	9	4	0	☁.
21	30.39	30.43	34.7	37.2	27.6	42.2	1.7	1.2	1.168	1.198	NE 3	N 4	9	4	0	☁.
22	30.39	30.56	34.0	38.0	30.0	38.0	1.0	0.3	1.175	1.233	NE 3	N 4	9	4	0	☁.
23	30.68	30.51	36.8	47.0	33.0	47.0	0.1	1.0	1.217	1.208	NE 3	N 4	9	4	0	☁.
24	30.53	30.48	44.2	42.0	41.0	47.0	0.2	2.0	1.286	1.235	NE 3	N 4	9	4	0	☁.
25	29.90	30.06	38.2	37.5	35.7	42.0	2.1	0.7	1.190	1.210	NE 3	N 4	9	4	0	☁.
26	30.04	29.96	39.7	38.2	35.3	45.0	0.5	0.5	1.234	1.216	NE 3	N 4	9	4	0	☁.
27	29.90	29.96	40.5	43.0	35.0	46.0	0.3	0.5	1.245	1.266	NE 3	N 4	9	4	0	☁.
28	29.97	29.96	44.0	45.0	41.0	45.6	0.3	2.8	1.281	1.238	NE 3	N 4	9	4	0	☁.
29	30.11	30.11	41.4	43.0	39.0	50.0	0.4	0.1	1.252	1.257	NE 3	N 4	9	4	0	☁.
30	30.11	30.11	41.4	43.0	39.0	50.0	0.4	0.1	1.252	1.257	NE 3	N 4	9	4	0	☁.
31	29.95	29.97	42.1	43.6	39.0	50.0	0.3	0.9	1.261	1.263	NE 3	N 4	9	4	0	☁.
Mean	30.043	30.044	34.1	34.5	29.3	38.2	0.8	0.8	1.182	1.187	2.2	2.3	8.5	7.3	1.550	

SOUTHAMPTON.—JANUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.	Vapour Tension.	Per-centage.								
	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.		
1	ins.	ins.	34.4	30.7	30.4	38.7	0.4	0.4	in.	in.	ENE 1	NE 1	7	0	ins.	Beautiful day. Thawing. ☁ n.	
2	30.12	30.16	27.7	31.8	25.8	38.8	0.0	0.5	1.191	1.168	ENE 1	NE 0.5	10	0	0.08	☁ a. Beautiful day. ☁ p.	
3	30.18	30.18	31.8	35.5	28.4	37.8	0.6	0.4	1.166	1.203	WNW 1	Calm	0	10	0.05	Dull, with ☁ a. ☁ in evening.	
4	29.99	30.03	35.3	34.6	33.3	41.1	0.2	0.4	1.203	1.193	WNW 0.5	NE 1	10	10	0.05	☁ a. Beautiful day.	
5	30.14	30.21	28.6	29.9	27.3	36.1	0.6	0.9	1.139	1.142	NE 1	NW 1	0	0	—	☁ a. and p. Beautiful day.	
6	29.29	29.28	24.4	25.8	23.6	31.5	0.4	0.6	1.117	1.119	NE 1	NE 2	0	9	—	☁ a. Beautiful a. ☁ p.	
7	30.23	30.07	25.3	28.0	21.9	31.8	0.5	1.2	1.110	1.117	N 1	N 1	0	10	—	☁ a. Beautiful day, but very cold.	
8	29.97	29.83	21.1	36.3	21.1	37.8	0.0	2.6	1.114	1.167	NW 0.5	SW 3	0	9	0.05	Very cold, with ☁ a.	
9	29.97	30.26	30.2	24.9	24.9	38.7	1.9	0.0	1.178	1.134	SE 1	E 0.5	8	0	—	☁ a. Fine day. ☁ at night.	
10	30.46	30.56	20.5	23.0	19.8	34.1	0.0	0.0	1.111	1.123	NE 0.5	Calm	0	10	—	☁ a. Fine, but cold. ☁ p.	
11	30.61	30.61	23.5	22.0	19.8	32.4	0.0	0.0	1.117	1.118	NE 1.5	NE 0.5	10	0	—	☁ a. Beautiful day, but cold.	
12	30.60	30.57	23.4	38.4	19.7	39.2	0.2	1.0	1.118	1.112	WNW 1	NW 0.5	5	10	—	☁ a. Fine and milder.	
13	30.55	30.50	38.4	36.3	35.4	41.1	0.3	0.8	1.226	1.200	NNE 1.5	NW 1	10	0	—	☁ a. Thawing all day. ☁ p.	
14	30.54	30.54	34.6	32.8	32.5	42.2	1.4	2.9	1.173	1.230	NE 2	N 3	0	0	—	☁ a. Fine day. Cold wind p.	
15	30.48	30.47	28.8	35.8	28.0	36.7	1.5	1.1	1.117	1.191	N 3	NW 2	0	10	0.10	Beautiful day, with very cold wind.	
16	30.03	30.12	34.6	26.5	26.3	38.8	2.5	0.1	1.153	1.149	NNE 2	N 2	5	0	0.05	☁ showers a. and p. ☁ n. ☁ p.	
17	30.24	30.31	24.0	23.4	22.5	33.1	0.2	0.3	1.121	1.115	NE 1	NE 2	6	0	—	☁ a. and p. Beautiful day, but cold.	
18	30.37	30.38	19.9	22.3	17.3	33.1	0.1	0.1	1.104	1.116	N 1.5	N 1.5	0	0	—	☁ a. Beautiful day. ☁ p.	
19	30.25	30.30	16.5	29.7	16.0	34.1	0.0	0.8	1.092	1.144	WNW 1	SW 1	0	10	0.17	Dull and damp a. ☁ a. and p. ☁ n.	
20	29.97	29.44	40.2	44.1	29.2	44.5	1.3	0.1	1.222	1.287	SW 2	SW 4	10	10	0.23	☁ a. Beautiful day. ☁ p.	
21	30.44	30.47	32.6	32.1	29.7	45.2	0.5	0.9	1.176	1.191	W 1	WSW 1	0	1	—	☁ a. Beautiful day. ☁ n.	
22	30.48	30.65	35.3	38.6	31.3	49.1	0.4	1.8	1.190	1.169	NW 2	WSW 1.5	4	10	0.10	☁ a. Beautiful day.	
23	30.67	30.55	44.7	48.0	37.1	48.6	0.5	0.6	1.284	1.319	SW 3	SW 4.5	10	10	0.20	☁ a. and p.	
24	30.54	30.62	47.2	38.7	38.4	48.7	0.4	1.5	1.315	1.269	SW 3	W 4.5	10	0	0.40	☁ till 5 p.	
25	30.03	30.08	37.2	41.7	35.5	49.4	0.8	0.6	1.206	1.251	W 1	SW 3	2	10	0.06	☁ a. Beautiful day throughout. ☁ n.	
26	30.01	29.92	42.5	41.8	39.6	47.2	0.9	0.7	1.252	1.249	S 3	SSW 3	10	10	0.46	☁ from 4 p.	
27	29.87	29.93	44.6	44.1	41.3	46.7	1.7	0.2	1.256	1.293	SSW 3	SW 2	10	10	0.83	☁ 10 a. - 1 p. ☁ in evening.	
28	29.93	29.91	45.6	45.9	43.8	49.6	0.4	0.2	1.296	1.304	SW 3	SW 3	10	10	1.34	☁ a. and p.	
29	29.81	29.72	46.2	47.6	45.4	48.1	0.4	0.4	1.304	1.320	SW 4	WSW 1	10	10	0.15	☁ most of day. [from 10 a. ☁ n.	
30	29.96	29.86	45.7	43.6	40.1	51.3	0.1	0.4	1.272	1.274	SW 1	SW 2	10	10	0.61	☁ early a. ☁ a. Beautiful day	
31	29.95	29.86	44.9	45.5	43.0	52.7	0.2	0.9	1.293	1.284	SW 1.5	SW 4	0	10	0.25	☁ 2 a. Beautiful day. ☁ p.	
Mean	30.088	30.067	33.5	34.8	29.9	41.1	0.6	0.7	1.187	1.195	93.5	92.2	1.6	1.8	5.7	5.8	3.107

LONDONDERRY.—JANUARY 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.								Per-centage.				
	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.						
1	ins.	ins.	37.8	42.3	33.6	42.6	0.9	0.6	in.	in.	%	%	NE	1	Calm	0	10	10	ins.	0.050	☁ (mist). ● at night.
2	29.97	30.02	37.7	37.9	36.6	42.4	0.3	0.4	220	219	98	97	SW	1	SW	1	10	10	0.020	☁ (mist) all day.	
3	30.07	30.09	37.7	37.9	36.6	42.4	0.3	0.4	220	219	98	97	SW	1	SW	1	10	10	0.150	☁ showers during day and at night.	
4	30.05	29.94	37.9	39.3	36.0	41.6	0.7	0.6	213	229	94	96	NE	1	NNE	1	10	0	—	—	
5	30.24	39.2	33.7	31.7	41.7	0.7	2.0	226	153	94	79	ENE	1	ENE	1	5	0	—	0.040	Fine day.	
6	30.45	39.2	29.9	28.3	34.1	1.0	0.8	138	145	84	86	SE	1	SE	1	10	10	—	—	—	
7	30.49	30.40	35.9	30.8	24.1	31.6	1.0	1.0	107	147	76	86	SE	1	SE	1	10	10	—	—	
8	30.23	29.81	25.8	34.0	24.7	34.0	1.0	1.0	106	176	76	89	SW	1	SW	3	1	10	0.040	—	
9	29.54	29.64	35.7	31.9	30.8	37.2	1.1	0.4	190	172	90	95	S	2	SW	1	10	0	—	—	
10	30.01	30.18	29.7	30.7	28.0	31.9	0.5	0.4	151	162	92	94	SW	2	SW	1	3	0	—	—	
11	30.27	30.24	28.3	39.7	26.0	40.6	0.6	2.2	137	202	89	82	SW	1	SW	4	3	10	0.010	☁ at night.	
12	30.26	41.1	41.5	43.7	37.8	43.7	1.7	1.3	227	256	87	89	SW	3	WSW	2	10	0	—	—	
13	30.54	45.1	40.3	37.0	46.0	1.5	0.6	265	238	88	96	NW	1	SW	1	9	10	—	—	—	
14	30.64	46.7	39.0	44.1	38.2	44.4	0.9	0.6	220	170	93	59	SW	2	NW	2	0	0	0.030	● in evening.	
15	30.78	48.3	40.2	39.5	37.4	44.1	2.0	4.0	210	169	85	70	NE	3	N	2	5	10	0.070	● showers.	
16	30.66	38.3	39.7	44.7	37.4	45.0	1.2	1.0	220	273	90	93	WSW	2	N	1	6	10	0.130	● nearly all day.	
17	30.25	26.3	43.3	40.0	39.0	45.4	1.3	1.0	252	226	90	92	N	2	N	1	10	10	0.040	● at night.	
18	30.28	33.5	37.2	32.5	31.0	44.0	0.5	1.5	212	152	95	84	NE	1	NW	1	5	4	—	—	
19	30.12	30.7	33.8	29.6	38.0	3.0	1.4	104	166	61	85	SW	4	W	3	5	10	0.050	0.040	Fine, but cold. ✱ ⁰ 9p.	
20	30.07	29.86	36.6	40.3	31.6	44.0	0.7	1.1	203	227	94	92	SW	2	SW	4	10	10	0.140	—	
21	29.29	29.25	43.2	34.8	33.1	40.5	1.3	2.0	251	162	90	81	SW	5	WNW	4	10	10	0.260	Squally ✱ and ✱ ● (sleet)	
22	29.28	29.23	32.8	34.2	30.8	35.8	1.1	0.6	164	186	87	94	NW	2	NW	2	10	9	0.720	✱ showers all day.	
23	30.38	43.7	35.7	31.6	39.2	4.0	1.0	155	192	69	91	NW	2	NW	2	10	10	0.170	● in evening.		
24	30.08	20.2	45.0	42.3	34.5	47.5	1.0	1.6	275	236	92	88	SW	3	W	2	2	10	0.090	● showers. ☐ 9p.	
25	30.23	39.3	38.5	38.8	34.0	43.2	1.2	2.1	209	196	90	84	SW	3	NW	3	10	5	0.230	✱ ● and ✱ ● (sleet) showers.	
26	30.73	62.3	38.2	44.0	35.6	45.8	0.9	1.4	212	266	93	90	W	2	SW	3	6	10	0.010	● showers during day.	
27	30.47	38.3	45.3	44.8	42.5	49.5	1.6	0.5	265	285	88	96	S	3	SW	3	10	10	0.250	● noon-8p.	
28	30.55	36.3	39.7	43.7	37.2	45.4	1.5	2.1	214	240	88	84	SW	2	SW	3	2	10	0.020	—	
29	30.44	57.3	48.2	44.2	41.4	50.8	1.5	1.5	300	257	90	89	SW	3	SW	3	10	5	0.020	● showers.	
30	30.29	50.3	46.0	40.3	38.8	47.1	1.3	1.7	280	215	91	87	S	2	SW	1	10	0	0.050	● showers.	
31	29.67	38.7	44.7	35.8	35.8	45.0	1.2	2.4	212	242	91	82	SE	2	SW	3	1	10	0.070	Fine during day. ● at night.	
Mean	29.917	29.935	37.9	38.6	33.9	42.4	1.3	1.5	205	207	87.9	87.4	2.2	2.0	7.2	6.7	2.720	—	—	—	● showers a.

ARMAGH.—JANUARY 1891.

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.

1	29.84	29.89	39.0	42.8	34.4	43.5	0.4	0.3	230	268	97	98	E	1	E 1	10	10	0.070	Overcast all day.
2	29.95	30.06	41.0	39.1	38.0	43.6	0.1	0.0	255	239	90	100	SSE	0.5	SSE 0.5	10	10	0.025	Overcast all day.
3	29.95	29.84	38.5	39.3	35.5	40.8	0.5	0.5	223	231	96	96	SSW	2	SSW 2	10	10	0.028	Overcast all day.
4	29.92	30.06	38.0	34.5	34.0	42.5	0.4	2.4	220	154	96	77	NW	0.5	NNE 0.5	2	8	—	—
5	30.19	32.2	27.6	26.0	23.0	36.5	0.6	0.3	132	131	88	93	NE	0.5	SE 1	8	10	—	—
6	30.35	30.27	27.3	29.4	20.3	33.3	0.4	0.5	137	149	92	92	NNE	0.5	SE 1	8	10	—	—
7	30.12	29.79	29.4	29.0	22.0	33.4	0.6	0.1	146	157	90	98	S	1	S 2	0	10	—	—
8	29.44	29.51	34.9	32.9	28.7	37.8	0.7	0.5	189	177	93	95	S	3	SSW 0.5	9	10	—	—
9	29.85	30.06	33.0	27.2	27.2	38.7	0.5	0.2	177	145	94	96	SSW	1	SW 1	10	0	—	—
10	30.20	18.3	31.0	37.7	20.1	38.2	1.0	1.1	148	205	85	90	SSW	1	S 4	0	10	—	—
11	30.21	33.3	41.0	41.4	37.2	44.5	2.0	1.4	215	231	84	89	S	4	SSW 2	10	10	0.015	Overcast all day.
12	30.43	53.3	39.8	31.9	31.6	41.6	0.4	0.0	237	181	97	100	SSW	2	SW 1	10	10	0.015	Overcast all day.
13	30.54	51.3	37.8	41.5	27.9	45.5	1.2	2.5	204	211	90	81	SW	1	WNW 1	10	10	—	—
14	30.62	66.3	39.3	35.6	34.4	43.2	2.0	2.8	202	157	84	75	W	1	N 1	8	10	0.022	Overcast all day.
15	30.52	30.2	38.0	43.8	33.3	45.2	1.6	1.6	197	250	86	88	WSW	1	NW 1	9	10	0.015	Overcast all day.
16	30.09	12.4	40.4	35.6	35.0	47.3	0.6	0.4	239	201	95	97	NW	1	NNE 0.5	10	10	0.050	Overcast all day.
17	30.14	22.2	35.2	33.5	32.8	37.9	0.3	2.3	200	147	97	77	ESE	1	ESE 1	10	10	0.005	Overcast all day.
18	30.17	30.04	29.9	30.9	28.0	33.5	3.0	0.6	096	158	92	8	S	2	S 2	8	10	0.060	Overcast all day.
19	29.96	29.81	32.7	38.6	29.8	38.8	0.1	1.5	185	205	99	88	SSW	3	SSW 4	10	10	0.292	Overcast all day.
20	29.23	16.3	45.8	33.0	32.2	46.3	1.5	0.5	274	177	89	94	SSW	2	WSW 2	10	9	0.075	Overcast all day.
21	29.18	14.3	31.4	33.8	28.9	37.3	0.5	0.8	165	178	93	91	SW	2	SW 3	8	10	0.110	Overcast all day.
22	29.39	35.3	34.7	35.5	32.3	40.3	2.3	1.0	157	189	77	91	WSW	2	S 1	9	10	0.010	Overcast all day.
23	29.02	12.3	48.9	42.4	34.2	49.8	2.2	1.6	294	237	85	88	SSW	5	SW 3	10	10	0.120	Overcast all day.
24	29.12	31.3	40.1	35.7	33.4	43.8	1.0	1.0	227	192	92	91	SSW	1	WSW 2	10	6	0.040	Overcast all day.
25	29.68	55.3	37.8	45.0	34.8	45.9	1.3	2.3	202	247	90	83	SSW	3	SSW 4	1	10	0.030	Overcast all day.
26	29.40	38.3	46.3	45.5	41.0	51.3	2.0	1.0	268	282	86	93	S	3	SSW 3	1	10	0.030	Overcast all day.
27	29.47	48.3	41.0	42.6	37.4	46.5	2.0	1.9	215	233	84	86	SSW	3	S 3	1	10	0.030	Overcast all day.
28	29.37	48.3	47.9	42.5	41.9	51.5	1.9	1.8	286	234	87	86	SSW	3	S 3	10	2	0.198	Overcast all day.
29	29.22	40.3	44.0	40.6	39.0	51.3	2.1	1.4	220	257	84	89	S	2	SE 4	0	10	0.138	Overcast all day.
30	29.38	44.3	41.6	44.0	35.8	46.5	2.1	1.4	220	257	84	89	S	2	SE 4	0	10	0.138	Overcast all day.
31	29.25	29.69	39.5	35.3	34.8	45.9	1.7	1.6	209	176	86	85	SW	6	S 1	10	0	—	—
Mean	29.815	29.830	37.8	37.0	32.2	42.7	1.2	1.2	207	200	89.2	89.8	2.1	1.9	7.8	8.8	1.323	—	—

MARKREE CASTLE (SLIGO).—JANUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							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.	39.1	40.5	33.7	41.3	1.0	0.3	in.	in.	92	98	SE	2	SSE	1	10	10	ins.	Overcast all day.
2	29.85	29.94	39.1	40.5	33.7	41.3	1.0	0.3	219	245	92	98	SE	2	SSE	1	10	10	0.040	Overcast all day.
3	30.02	30.05	31.8	32.0	29.8	40.5	0.1	0.1	178	180	99	99	SE	1	Calm	0	10	10	0.010	Overcast all day.
4	30.03	29.92	36.0	41.1	31.1	41.4	0.2	1.0	208	236	98	92	SSW	0.5	WSW	1	10	9	—	∞ a.
5	30.13	34.7	35.4	32.9	44.1	0.6	2.0	190	169	94	82	ENE	0.5	E	1	10	9	—	—	—
6	30.30	38.2	25.2	22.2	20.8	38.2	1.0	0.2	102	112	75	94	ENE	0.5	Calm	0	1	2	—	—
7	30.35	19.2	22.4	15.2	33.7	0.0	0.2	104	113	100	94	Calm	0	Calm	0	9	3	—	—	—
8	30.17	29.81	23.0	32.9	13.4	33.0	0.3	0.5	112	177	91	95	SE	0.5	S	2	4	10	0.130	—
9	29.51	29.57	34.0	31.6	30.2	36.9	0.5	0.3	186	171	95	96	S	0.5	Calm	0	10	10	0.040	✱
10	29.90	30.12	29.7	27.7	23.5	39.0	0.7	0.6	146	133	88	88	Calm	0	Calm	0	9	10	—	—
11	30.23	22	25.3	37.9	22.2	38.6	0.2	1.7	130	195	95	86	SE	0.5	SSE	2	7	10	0.010	—
12	27	39	41.0	41.8	37.0	44.8	1.8	1.4	219	236	86	89	S	2	SSE	1	10	10	—	Overcast all day.
13	51	61	38.7	30.3	29.5	41.8	0.4	0.2	227	164	96	97	SE	0.5	Calm	0	10	10	0.010	Overcast all day.
14	63	63	32.6	44.0	26.7	48.4	0.3	3.1	180	222	97	76	Calm	0	NNW	3	8	8	0.030	Overcast all day.
15	75	79	40.0	39.9	37.9	44.3	1.7	4.0	213	172	86	70	N	0.5	N	1	7	9	0.010	Overcast all day.
16	65	35	39.1	45.0	36.3	45.0	1.0	1.5	219	264	92	89	Calm	0	NNW	3	9	10	0.100	Overcast all day.
17	20	20	42.7	38.5	38.0	46.1	1.2	0.7	248	219	90	94	N	1	Calm	0	9	10	0.010	Overcast all day.
18	21	24	33.0	34.0	31.0	42.9	0.3	1.9	181	158	96	80	Calm	0	SE	1	9	10	—	Overcast all day.
19	19	30.08	29.2	33.1	28.4	34.0	1.3	1.0	125	168	78	89	SSE	1	SE	1	10	10	0.160	Overcast all day.
20	30.06	29.89	32.1	40.2	30.9	41.6	0.2	1.1	179	226	98	91	Calm	0	SSW	1	10	10	0.260	Overcast all day.
21	29.37	28	43.1	34.9	33.4	46.1	0.4	2.2	269	159	97	79	W	6	WSW	5	10	10	0.320	Overcast all day.
22	28	24	32.1	35.2	30.3	37.2	0.5	1.2	171	182	93	88	SSW	1	WSW	1	7	9	0.320	Overcast all day.
23	40	35	38.1	35.9	34.5	40.7	3.1	0.4	172	204	74	97	W	1	SE	1	9	10	0.280	Overcast all day.
24	12	18	47.3	41.0	35.1	50.0	1.4	1.0	202	235	90	92	SW	2	SSE	1	10	10	0.050	Overcast all day.
25	21	42	37.2	40.8	33.8	43.1	1.4	2.6	194	203	87	80	S	0.5	NW	1	10	10	0.150	Overcast all day.
26	73	59	41.0	45.2	36.7	47.3	2.0	1.4	215	269	84	90	SSW	1	SW	3	10	10	0.020	Overcast all day.
27	41	34	44.9	43.2	41.3	49.2	0.9	0.9	276	260	93	92	S	3	SSW	2	10	10	0.450	Overcast all day.
28	52	47	37.8	43.4	35.0	48.0	0.6	1.6	214	247	95	87	Calm	0	SSE	3	9	10	0.050	Overcast all day.
29	40	50	46.9	41.8	41.0	51.7	1.1	0.9	295	247	93	93	SSW	1	SSE	2	10	4	0.140	Overcast all day.
30	28	45	41.9	38.0	36.8	49.3	0.9	1.0	246	208	93	91	SSW	1	SSW	0.5	10	9	0.020	Overcast all day.
31	62	43	35.1	44.1	32.0	45.9	0.2	1.3	201	260	98	89	SSE	1	SE	4	3	10	0.210	Overcast all day.
Mean	29.43	29.73	39.8	28.9	27.9	46.2	1.7	0.7	211	139	86	87	WSW	1	Calm	0	9	2	0.010	Overcast all day.

PARSONSTOWN (BIRK CASTLE).—JANUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							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°5	42°5	33°4	44°7	1°0	0°8	231	254	92	94	SE	1	Calm	0	10	10	ins.	Damp and mild, with ☼ (mist).
2	29°80	29°89	39°3	40°1	38°5	43°1	0°4	0°4	233	240	97	97	Calm	0	Calm	0	10	10	190	☼ all day.
3	29°06	30°00	33°7	39°9	31°2	41°9	0°5	0°8	184	229	94	94	Calm	0	Calm	0	10	6	—	Dull, with ☼.
4	30°04	29°03	33°7	39°9	31°2	41°9	0°5	0°8	184	229	94	94	Calm	0	Calm	0	10	7	—	☼ a. and p. Dull day.
5	29°94	30°02	35°5	35°5	34°0	40°5	0°6	0°6	197	197	95	95	Calm	0	Calm	0	10	7	—	☼ (mist) a. Fine and bright.
6	30°19	29°28	24°1	26°5	22°6	36°9	0°4	1°6	115	095	89	67	Calm	0	Calm	0	0	0	—	☼ (mist). Bright and cold a.
7	30°34	30°31	27°1	23°7	17°4	31°7	0°6	0°2	086	120	81	95	Calm	0	Calm	0	0	0	—	☼ ☼. Bright and cold.
8	30°16	29°86	21°7	31°9	15°8	32°7	0°7	1°0	092	157	80	87	Calm	0	Calm	0	0	7	218	☼ ☼. Bright day. ☼ (mist).
9	29°48	29°53	36°0	32°1	31°2	40°4	0°7	0°6	199	169	94	92	Calm	0	Calm	0	10	0	—	☼ ☼. Dull and cold with ☼.
10	29°86	30°09	29°2	29°7	27°2	32°5	0°3	0°0	153	165	95	100	Calm	0	Calm	0	10	0	—	☼ ☼. Fine and bright. ☼ p.
11	30°21	29°25	27°3	36°5	21°6	37°1	0°8	1°0	124	197	84	92	Calm	0	ESE	1	1	6	—	Dull, with ☼.
12	30°30	30°38	39°7	38°7	34°8	46°1	1°0	0°8	224	220	92	94	Calm	0	Calm	0	6	8	—	Fine and bright.
13	30°49	30°57	30°7	31°5	28°8	43°3	0°6	0°6	157	163	91	92	Calm	0	Calm	0	2	0	—	☼ ☼. ☼ a. Fine and bright.
14	30°61	30°59	27°7	42°3	24°4	43°3	0°0	0°8	151	253	100	94	Calm	0	N	1	0	9	—	☼ ☼. Fine and bright. ☼ p.
15	30°69	30°72	33°1	35°9	30°2	42°9	0°8	1°1	172	192	91	91	Calm	0	N	1	0	9	—	☼ ☼.
16	30°65	30°34	31°3	41°7	30°7	42°1	1°1	0°6	149	251	84	95	Calm	0	NW	1	0	10	128	Dull, with ☼.
17	30°17	30°13	41°3	38°1	37°6	44°1	0°6	1°4	247	202	96	88	NW	1	NW	1	10	6	040	Dull and damp.
18	30°17	30°21	34°5	31°7	31°2	40°1	0°6	1°0	188	156	94	87	Calm	0	Calm	0	9	8	—	☼ ☼. Dull with ☼.
19	30°19	30°09	29°9	31°1	27°4	35°3	1°6	1°6	125	136	75	77	SE	2	SE	1	8	8	—	☼ ☼. ☼ a. Dull day.
20	30°05	29°06	33°3	36°5	29°0	41°4	0°4	0°6	182	204	96	95	Calm	0	Calm	0	9	10	080	☼ ☼. ☼ a. Dull and gloomy, with ☼.
21	29°52	29°54	40°2	34°7	34°0	47°5	1°9	1°6	270	170	87	84	SW	2	NW	1	10	9	308	Dull, with ☼.
22	30°32	30°30	31°9	34°9	30°0	38°7	0°6	1°0	168	183	93	91	Calm	0	SW	1	7	8	040	☼ ☼. ☼ a.
23	30°41	30°37	37°7	47°5	33°8	47°9	1°6	0°6	195	314	86	95	WSW	1	W	1	8	10	300	☼ ☼. ☼ a. Dull and gloomy, with ☼.
24	30°18	30°21	50°3	43°3	44°6	50°9	1°4	1°0	329	259	90	92	SW	3	Calm	0	10	9	192	Dull and squally, with ☼.
25	30°22	30°26	37°9	37°9	35°2	44°5	1°0	2°0	209	190	92	83	NW	2	NW	2	10	2	040	Dull, with ☼.
26	30°77	30°66	38°5	43°5	35°6	47°3	1°2	1°8	209	244	90	86	Calm	0	Calm	0	6	7	—	☼ ☼. Dull day.
27	30°46	30°38	40°5	44°5	39°6	51°5	1°5	0°8	281	275	89	94	S	2	Calm	0	8	9	080	Dull, with ☼.
28	30°55	30°51	36°8	43°5	35°2	47°9	1°0	1°4	199	251	92	89	Calm	0	SE	1	1	10	036	☼ (mist) a. Fine and bright. ☼ p.
29	30°45	30°53	47°8	42°5	41°0	52°5	1°3	0°9	301	252	91	93	Calm	0	Calm	0	8	0	050	Fine and bright.
30	30°32	30°44	41°7	41°6	39°8	48°5	0°8	1°1	248	240	94	92	SW	1	Calm	0	10	5	036	Dull, with ☼ a.
31	30°62	30°40	36°8	46°1	34°0	49°5	0°9	2°2	201	262	93	84	Calm	0	SE	3	0	7	136	Fine and bright. Squally p.
31	29°52	29°66	41°3	34°5	33°8	46°9	2°4	0°9	211	182	81	91	SW	2	Calm	0	1	2	—	Fine and bright.
Mean	29°891	29°883	35°5	37°4	31°7	43°0	0°9	1°0	195	207	90°3	90°3	0°5	0°5	6°3	6°2	1°894			

STENNESS (ORKNEY).—FEBRUARY 1891.

Height above Mean Sea Level, 124 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot. Long. 3° 13' W. Lat. 58° 59' N. Gravity Correction, +.036.

1	29.82	29.97	42.2	39.7	37.0	42.8	4.0	2.5	.191	.196	72	80	WNW 4	SSW 4	3	6	1.00	
2	29.80	29.85	49.0	46.0	38.0	51.8	2.4	0.5	.289	.301	83	97	SW 7	W 4	9	10	.310	
3	30.02	30.34	42.0	41.2	40.0	47.8	0.3	1.5	.260	.227	98	89	Calm	ESE 1	10	10	—	
4	.38	.32	40.9	41.7	39.0	48.8	1.0	0.7	.235	.249	92	94	S 4	WSW 1	7	0	—	
5	.33	.30	44.0	40.8	40.0	46.8	1.7	1.0	.250	.234	86	92	NW 1	SW 2	8	0	—	
6	.21	30.18	46.1	45.0	39.0	47.8	2.1	2.5	.264	.243	85	82	WSW 6	SW 4	8	0	—	
7	.06	29.92	44.0	44.3	41.0	47.8	2.0	1.0	.244	.268	84	92	S 4	SW 6	8	10	.200	
8	30.15	30.14	41.0	41.2	38.0	45.8	2.5	2.8	.206	.203	81	79	SSW 5	W 5	3	3	—	
9	29.98	29.76	40.0	43.8	38.0	43.8	2.5	3.7	.198	.209	80	73	WSW 5	SW 9	5	1	—	Swell in Atlantic.
10	.73	.40	47.0	48.7	43.0	48.8	2.8	3.5	.257	.261	80	76	WSW 8	SW 10	9	10	.120	2 (gale), 61 miles per hour 9p.—11p.
11	29.54	29.71	39.5	34.8	32.0	48.8	1.3	3.0	.216	.146	90	72	WNW 1	N 7	10	10	1.000	4 ins. deep) noon—5p.
12	30.02	30.09	29.0	31.0	28.0	38.8	0.2	0.0	.154	.174	96	100	Calm	NE 7	3	4	—	☼
13	.35	.11	30.0	40.1	27.0	40.1	1.5	1.1	.128	.225	76	91	Calm	SW 5	7	10	.080	☼
14	.10	.18	45.8	45.4	39.0	46.8	1.2	1.4	.281	.271	92	90	W 5	WSW 4	7	10	—	
15	.17	.09	46.1	46.0	43.0	46.8	1.6	4.0	.275	.225	89	73	SW 5	SW 5	10	10	.040	Overcast all day.
16	.22	.35	46.5	46.0	44.0	48.8	0.7	1.5	.300	.276	95	90	WSW 3	SSW 2	7	9	—	☼ 9a.
17	.34	.32	45.8	40.7	39.0	47.8	2.5	1.7	.253	.218	82	86	SW 2	S 1	8	0	—	Very fine.
18	.29	.33	44.6	44.5	40.0	48.8	1.6	1.7	.258	.255	88	87	SSW 3	WSW 2	0	9	—	
19	.27	.17	50.0	44.3	39.0	55.8	5.6	3.1	.234	.225	65	76	S 3	S 1	0	0	—	Fine all day. ☼
20	.18	.14	44.0	41.0	38.0	50.8	4.5	3.2	.197	.194	68	76	S 1	Calm	0	8	—	
21	.68	.08	39.1	38.7	33.0	41.8	1.1	0.9	.217	.218	91	93	S 4	SSE 2	4	0	—	Very fine.
22	.01	.00	41.4	45.3	37.0	45.8	1.7	2.0	.226	.257	88	85	S 4	S 4	0	4	—	☼
23	.02	.12	47.6	44.5	43.0	50.8	4.6	1.0	.228	.271	69	92	SSW 5	SW 1	8	10	.040	☼ a.
24	30.09	30.02	48.0	50.2	43.0	51.8	2.8	5.2	.267	.243	80	67	S 2	S 4	5	8	—	Very fine.
25	29.83	29.79	49.0	46.8	45.0	51.8	6.7	4.8	.205	.216	59	68	S 5	S 1	0	5	—	
26	.80	.73	42.7	41.1	40.0	49.8	1.4	1.4	.244	.228	88	80	Calm	S 3	5	0	—	Ground swell in Atlantic.
27	.99	.95	42.3	40.0	37.0	45.8	1.3	1.8	.243	.211	90	86	WSW 2	S 3	3	9	—	
28	.58	29.51	43.9	43.2	38.0	48.8	4.1	3.2	.203	.213	72	77	SSW 6	W 6	10	0	.130	
Mean	30.048	30.031	43.3	42.7	38.5	47.6	2.3	2.2	.233	.231	82.8	84.0	3.4	3.7	5.6	5.6	2.020	

DUNROBIN CASTLE.—FEBRUARY 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	35.3	39.4	34.7	46.3	1.2	1.7	183	208	89	87	W	W	—	—	ins.	Clear day.
2	30.05	30.15	35.3	39.4	34.7	46.3	1.2	1.7	183	208	89	87	W	SW	—	—	1.160	☉ showers p.
3	30.12	30.15	42.9	42.9	42.3	50.7	0.4	0.6	267	263	97	95	S	SW	—	—	1.130	Dull, with ☉ a. Fair p.
4	30.54	30.44	40.6	41.2	37.7	47.5	0.1	1.9	251	219	99	85	N	W	—	—	1.130	Dull and mild.
5	30.45	30.42	45.6	39.9	36.3	48.0	1.1	2.2	281	203	92	83	N	W	—	—	1.130	Dull and mild.
6	30.40	30.36	45.4	40.4	38.3	47.7	1.1	1.4	278	222	92	89	W	N	—	—	1.130	Dull and mild.
7	30.20	30.17	43.6	47.5	38.5	49.3	1.6	2.0	248	281	87	86	SE	W	—	—	1.130	Mild a. Cold p.
8	30.39	30.35	36.8	38.6	35.7	47.5	2.3	1.8	176	199	81	85	NW	W	—	—	1.130	Clear day.
9	30.14	30.02	40.9	42.9	36.0	46.3	2.4	4.2	208	194	82	71	NW	W	—	—	1.130	Clear day.
10	29.97	29.77	45.4	48.3	42.3	48.3	3.1	2.6	236	276	78	82	W	W	—	—	1.130	Dull, with ☉ a. ☉ ☉ (sleet) p.
11	29.67	29.87	42.9	38.5	34.3	51.3	0.4	0.4	267	200	97	96	E	SW	—	—	1.130	Frosty a. Milder p.
12	30.17	30.27	32.3	36.5	31.5	41.3	2.0	1.4	141	189	76	88	N	N	—	—	1.130	Clear a. ☉ ☉ showers p.
13	30.49	30.30	37.3	28.3	37.3	37.3	0.5	1.0	156	203	93	92	N	W	—	—	1.130	Clear.
14	30.31	30.25	47.2	45.6	41.3	55.7	1.9	3.3	280	234	87	77	SW	SW	—	—	1.130	Fine all day.
15	30.40	30.47	44.4	44.4	44.3	50.7	0.3	0.9	287	273	97	93	SE	SW	—	—	1.130	Fine all day.
16	30.49	30.49	42.4	36.8	34.7	50.3	1.1	1.3	248	194	91	90	W	NW	—	—	1.130	Fine all day.
17	30.45	30.47	41.2	38.2	35.3	48.0	0.9	1.1	240	208	93	91	NW	W	—	—	1.130	Fine all day.
18	30.44	30.38	38.6	34.0	47.3	47.3	0.9	0.6	214	222	93	95	NW	N	—	—	1.130	Fine day.
19	30.32	30.30	35.3	35.5	32.5	46.5	1.2	2.2	183	166	89	80	NW	NW	—	—	1.130	Clear and frosty.
20	30.20	30.18	35.3	35.8	30.7	41.3	1.0	1.1	187	191	91	91	W	N	—	—	1.130	Dull, with ☉ ☉ a. Fine p.
21	30.12	30.16	41.4	40.6	34.3	49.0	1.7	1.1	225	292	88	93	N	W	—	—	1.130	Dull a. Fine p.
22	30.16	30.22	48.7	44.9	42.3	51.7	3.2	1.9	268	254	79	86	W	NW	—	—	1.130	Fine day.
23	30.23	30.18	42.6	47.5	40.7	54.5	1.3	2.2	245	276	80	84	NW	W	—	—	1.130	Fine and mild.
24	30.00	29.91	44.6	46.2	44.6	54.7	2.3	4.5	243	218	82	70	NE	NW	—	—	1.130	Fine day.
25	29.91	29.96	44.4	38.9	37.7	49.0	1.4	2.4	260	191	89	82	NE	W	—	—	1.130	Very fine.
26	30.15	30.14	41.2	35.8	34.3	46.7	0.9	1.3	249	197	83	80	NW	NW	—	—	1.130	Very fine.
27	30.15	30.14	41.2	35.8	34.3	46.7	0.9	1.3	249	197	83	80	NW	NW	—	—	1.130	Dull and cold.
28	29.90	29.76	43.6	44.6	34.3	50.5	3.1	1.3	219	265	77	90	W	W	—	—	1.130	
Mean	30.211	30.203	41.8	41.6	36.7	48.6	1.4	1.8	238	228	88.6	86.5	—	—	—	—	2.880	

LAUDALE.—FEBRUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	40°0	42°7	34°9	51°8	2°0	1°7	in.	in.	84	86	Calm	0	NW	2	8	10	ins.	Mild day.
2	30°06	30°21	40°0	42°7	34°9	51°8	2°0	1°7	307	237	84	86	W	4	W	7	10	10	390	Very warm. ☂ showers.
3	30°08	30°21	40°0	42°7	34°9	51°8	2°0	1°7	334	323	90	86	W	4	W	7	10	10	390	Very warm. ☂ showers.
4	30°13	30°41	40°0	42°7	34°9	51°8	2°0	1°7	320	280	87	91	W	8	Calm	0	10	10	120	☂ ☂

DUNDEE.—FEBRUARY 1891.

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.

1	29°'93	30°'13	36°'6	38°'6	31°'7	40°'6	2°'5	3°'0	*171	*178	79	77	SW	1	0	0	—	Fine day.		
2	30°'05	*05	45°'8	47°'5	38°'2	50°'7	1°'4	0°'5	*277	*316	90	96	SW	1	W	2	10	10	*010	Dull day.
3	*00	*30	49°'6	41°'6	41°'3	51°'3	2°'6	0°'6	*291	*250	82	96	W	2	E	1	10	10	*040	☉ showers n. and till 6p.
4	*47	*38	41°'8	41°'7	38°'5	47°'0	0°'6	0°'4	*251	*256	96	96	SW	1	W	1	10	10	*010	Dull day.
5	*35	*35	42°'7	44°'2	36°'4	46°'9	1°'6	0°'5	*239	*279	87	97	NW	2	W	2	10	10	—	Dull day.
6	*31	*27	43°'9	39°'8	39°'3	49°'7	0°'9	1°'3	*266	*219	93	90	W	2	W	1	10	5	—	Cloudy day.
7	*18	*05	43°'4	41°'6	33°'1	45°'6	2°'0	1°'1	*238	*240	84	92	W	1	W	1	10	10	—	Dull day.
8	*22	*27	36°'3	31°'4	30°'5	43°'7	1°'0	0°'8	*196	*157	92	89	NW	1	NW	1	5	0	—	Fine day.
9	30°'17	30°'01	34°'1	35°'4	29°'4	40°'6	0°'8	2°'7	*181	*157	91	75	W	1	W	4	5	0	—	—
10	29°'94	29°'75	40°'1	43°'0	33°'7	43°'0	2°'3	2°'8	*202	*219	81	79	W	4	W	8	10	10	—	Dull day.
11	29°'61	29°'61	48°'6	36°'9	36°'3	49°'0	2°'1	0°'9	*292	*201	86	92	W	8	NW	10	10	10	*040	☉ (gale). ▲ from 5p.
12	30°'06	30°'06	33°'5	37°'1	29°'9	41°'4	1°'9	3°'5	*153	*158	80	71	SW	1	NW	2	10	10	—	Dull day.
13	*35	30°'33	2°'2	36°'7	30°'4	38°'1	2°'0	1°'1	*149	*196	79	90	NE	1	NW	1	10	10	*020	☉ Dull day.
14	*25	*28	41°'2	43°'9	36°'2	50°'4	0°'2	1°'8	*255	*247	98	86	W	1	W	1	10	10	—	☉ 6a. Cloudy day.
15	*24	*20	45°'6	43°'6	39°'4	49°'9	1°'4	3°'1	*274	*219	90	77	W	2	W	6	5	7	—	Fine day. ☉
16	*28	*35	42°'3	44°'5	39°'1	49°'4	2°'2	1°'7	*224	*255	84	87	W	1	W	2	5	10	—	Dull from 2p.
17	*39	*34	41°'4	41°'4	39°'4	46°'2	0°'9	1°'9	*242	*222	93	86	W	1	W	2	10	7	—	Dull day.
18	*38	*36	42°'9	38°'0	35°'8	45°'8	1°'4	1°'4	*246	*201	89	88	W	2	W	1	10	0	—	Dull day.
19	*33	*23	34°'8	35°'5	31°'1	48°'6	0°'6	0°'3	*190	*202	94	97	S	1	NW	1	0	0	—	Fine day.
20	*19	*14	31°'8	37°'4	28°'7	43°'5	0°'4	0°'0	*171	*223	95	100	NW	1	E	1	10	10	*010	☉ ☼ ☼ ☼ at sunset.
21	*11	*09	35°'5	34°'5	33°'6	38°'8	0°'7	0°'3	*195	*194	94	97	NW	1	NE	1	10	7	*010	Cloudy day.
22	*06	*10	37°'0	37°'8	33°'1	45°'6	0°'5	0°'8	*210	*210	96	93	NE	1	W	1	10	10	—	☉ showers till 9a. Dull day.
23	*16	*17	34°'1	43°'0	31°'4	49°'8	0°'3	2°'3	*191	*228	97	82	S	1	W	1	10	10	—	☼ ☼ ☼ (mist) till 9.30a.
24	30°'18	30°'12	41°'6	41°'8	34°'8	54°'4	2°'1	1°'0	*220	*245	84	92	W	1	NE	1	10	10	—	☉ ☉
25	29°'08	29°'85	38°'4	35°'1	32°'0	50°'1	2°'1	0°'5	*191	*195	83	95	W	1	NE	1	7	0	—	☉ ☉
26	29°'80	29°'76	33°'6	36°'3	30°'0	46°'2	1°'0	0°'4	*172	*207	89	97	SE	1	E	1	0	5	—	☉ a. ☼ ☼ from 1.15p.
27	30°'00	30°'01	30°'0	35°'9	28°'0	44°'8	0°'0	2°'3	*167	*170	100	81	SE	1	NE	1	0	0	—	☉ ☉ ☉ at times.
28	29°'83	29°'03	39°'6	46°'0	31°'0	46°'7	0°'6	1°'5	*231	*276	95	90	SW	6	W	2	10	7	*023	☉ (gale) 11a.—8p.
Mean	30°'135	30°'112	39°'3	39°'7	34°'0	46°'4	1°'3	1°'4	*217	*219	89°'3	88°'9	1°'7	2°'1	7°'8	6°'4	0°'160			

GLASGOW.—FEBRUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	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.	35.6	38.7	34.4	44.2	1.3	1.4	183	207	88	89	W	1	S	1	0	5	ins.	—	Fine and clear.
2	30.08	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	2	10	10	0.35	—	Overcast.
3	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	2	W	1	10	10	0.05	—	Cloudy with ☉.
4	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	Caln	0	W	1	10	4	—	—	☼ (mist) a. Overcast.
5	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	1	10	10	177	—	Overcast with ☉.
6	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	W	1	10	8	0.05	—	☉ a. Cloudy day.
7	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	W	1	W	1	10	7	0.10	—	Dull and overcast.
8	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NW	1	SW	1	7	0	—	—	☼. Fine and clear.
9	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	W	1	7	9	—	—	☼. Cloudy day.
10	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	W	1	SW	2	10	10	0.07	—	Overcast.
11	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	3	W	1	10	5	167	—	Overcast with squally ☉.
12	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	W	1	10	10	—	—	☉.
13	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	E	1	SW	1	10	10	0.19	—	Dull and overcast.
14	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	W	1	W	1	5	10	—	—	☼.
15	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	1	1	6	—	—	Dull and overcast.
16	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	W	1	10	5	—	—	Dull and overcast.
17	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	1	10	10	—	—	Dull and overcast.
18	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	1	10	10	—	—	Dull and overcast.
19	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NW	1	NE	1	10	10	—	—	☼ a. and p. Clear afternoon.
20	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	E	1	E	1	10	10	—	—	☼ all day.
21	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	E	1	NE	1	10	10	—	—	Dull and overcast.
22	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NE	1	S	1	10	7	—	—	Dull and overcast. ☼.
23	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	S	1	S	1	8	8	—	—	☼.
24	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NE	1	E	1	8	10	—	—	Dull and overcast. ☼.
25	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NE	1	SE	1	10	7	—	—	☼.
26	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	E	1	NE	1	8	7	—	—	☼. Cloudy day.
27	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	NE	1	NE	1	10	10	—	—	☼. Overcast, with ☼.
28	30.01	30.13	45.6	47.9	38.6	48.9	0.9	0.8	285	313	93	94	SW	1	SW	3	10	10	110	—	Overcast. ☉. Squally ☼ in even- [ins.]
Mean	30.144	30.125	39.7	41.6	36.8	46.9	1.3	1.7	221	229	89.2	87.0	1.1	1.1	8.7	7.9	0.535				

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

SCARBOROUGH.—FEBRUARY 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.	Vapour Tension.	Per-centage.											
	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.					
1	ins.	ins.	37.2	36.9	35.8	45.2	1.7	1.5	.188	.190	85	88	SW	3	NW	1	0	ins.	Brilliant day.	
2	29.96	30.26	37.2	36.9	35.8	45.2	1.7	1.5	.210	.270	94	92	SW	4	W	5	3	0	—	Brilliant day. Gusty.
3	30.27	30.21	37.2	36.9	35.8	45.2	1.7	1.5	.286	.297	94	90	W	4	SW	2	9	1	.010	Fine a. Cloudy p.
4	30.18	30.22	37.2	36.9	35.8	45.2	1.7	1.5	.243	.247	95	93	NE	1	SW	1	10	10	—	Dull day.
5	30.48	30.42	37.2	36.9	35.8	45.2	1.7	1.5	.206	.251	94	87	SW	1	SW	1	3	9	—	Very fine. Cloudy afternoon.
6	30.43	30.41	37.0	36.9	34.5	46.6	0.7	1.6	.251	.270	90	92	SW	1	SW	1	10	9	—	Fine and mild.
7	30.40	30.35	37.0	36.9	34.5	45.0	1.2	1.2	.263	.241	98	92	SW	1	SW	1	9	10	—	Fine day. ☁
8	30.32	30.23	37.2	36.9	35.8	45.7	0.3	1.1	.231	.255	92	98	SW	2	SW	1	10	1	.010	—
9	30.22	30.29	36.8	36.9	35.1	45.0	1.1	0.3	.231	.225	96	98	E	1	SW	1	9	10	—	☁ early a., then fine.
10	30.14	30.19	35.9	38.2	36.7	41.9	0.5	0.3	.231	.225	96	98	E	1	SW	1	9	10	—	☁
11	30.11	29.96	35.8	40.5	32.0	42.4	0.1	1.2	.208	.226	99	90	SW	1	SW	3	0	0	—	☁
12	29.87	29.66	34.7	46.9	39.3	48.1	1.7	2.6	.257	.262	87	82	SW	4	SW	6	5	10	.010	Blustering.
13	30.12	30.15	38.0	37.1	36.3	45.2	2.4	1.9	.184	.184	80	84	NW	1	SW	1	1	10	—	Brilliant day.
14	30.29	30.44	37.9	36.2	33.7	40.8	1.6	1.8	.196	.179	87	85	NE	4	SW	1	4	10	.030	Brilliant day.
15	30.33	30.34	37.8	34.9	33.9	50.2	1.0	1.8	.207	.257	92	87	SW	4	SW	1	9	9	—	Fine and mild.
16	30.37	30.33	40.7	42.5	38.7	51.8	0.5	3.0	.243	.211	96	78	SW	1	SE	1	1	0	—	Brilliant day.
17	30.38	30.43	38.5	39.1	37.6	48.5	1.4	1.2	.187	.211	81	89	SW	2	W	1	2	2	—	Very fine. ☐
18	30.46	30.46	36.7	39.2	33.6	46.8	0.5	1.2	.208	.215	96	90	SW	2	SW	1	0	9	—	Very fine.
19	30.49	30.45	40.2	36.3	35.8	44.2	1.2	0.6	.225	.202	90	94	SW	2	E	1	9	0	—	Fine day. ∞ 99.
20	30.40	30.29	32.7	32.1	29.5	46.8	0.0	0.0	.186	.182	100	100	SW	3	S	2	0	0	—	Very fine. Cold ☁ at night.
21	30.25	30.20	27.3	32.6	28.3	35.4	0.0	0.0	.149	.185	100	100	SW	2	SW	1	10	10	—	☁ all day.
22	30.18	30.17	29.8	34.4	29.0	34.5	0.0	0.0	.166	.199	100	100	SW	2	SW	1	10	10	—	Cold ☁ all day.
23	30.20	30.26	32.6	33.4	30.5	38.5	0.0	0.0	.185	.191	100	100	SW	2	SW	3	8	6	—	Very fine. ☁ at night.
24	30.30	30.30	31.1	41.1	26.3	49.4	0.0	0.2	.174	.253	100	98	SW	3	SW	3	0	0	—	Very brilliant.
25	30.23	30.23	37.9	41.4	34.3	51.4	1.2	2.9	.204	.202	90	79	SW	3	SW	2	4	0	—	☁ ga. Very brilliant day.
26	30.12	30.06	37.1	39.7	31.3	50.0	0.8	1.6	.205	.212	93	87	SE	3	SW	1	5	0	—	☁ ga. Very brilliant day.
27	30.02	30.00	37.4	38.7	28.3	47.4	0.4	1.1	.215	.214	96	91	SE	2	SE	1	4	0	—	Very brilliant.
28	30.01	30.00	40.7	45.3	30.9	54.7	2.4	3.4	.206	.228	81	75	SW	2	SW	1	0	0	—	Very fine.
29	30.02	30.02	42.6	46.5	38.3	53.2	2.6	2.7	.219	.255	81	82	S	1	SW	4	0	0	.110	—
Mean	30.234	30.214	38.0	40.4	34.6	46.5	1.0	1.3	.212	.226	92.4	90.0	2.2	1.8	4.9	4.1	0.160			

CRONKBORNE (DOUGLAS), ISLE OF MAN.—FEBRUARY 1891.

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.

1	30.02	30.28	39.0	41.6	31.0	46.9	1.8	2.1	203	220	86	84	WNW 2	SW 2	3	3	—	Fine day.
2	30.31	30.29	40.1	47.0	40.6	48.4	0.8	0.5	203	211	94	97	WSW 3	W 2	8	10	☁	☁ showers at night.
3	30.26	30.28	40.0	45.7	30.7	50.7	1.0	1.0	309	334	93	93	WSW 2	NW 3	10	10	☁	☁ showers.
4	30.52	30.52	40.6	43.7	42.3	50.3	0.3	1.2	311	258	98	99	Calm 0	W 2	10	10	☁	☁ a. Overcast afternoon.
5	30.52	30.49	41.0	45.7	30.2	47.7	1.0	1.8	235	266	92	87	W 1	NW 2	7	10	☁	☁ a. Dull day. ☁ at n.
6	30.47	30.43	45.9	46.9	44.2	49.0	0.6	1.4	206	288	96	91	Calm 0	Calm 0	9	10	☁	☁
7	30.34	30.33	44.5	44.2	42.5	47.0	1.3	1.0	204	248	90	85	W 2	SW 4	10	10	☁	☁
8	30.28	30.33	44.2	36.4	34.8	46.0	1.4	3.2	259	157	89	74	N 2	NNW 1	8	0	—	☁
9	30.25	30.16	36.8	32.8	29.0	45.2	0.7	1.0	204	166	94	88	Calm 0	N 1	9	0	☁	☁ (mist) a. Cloudy day.
10	30.12	30.04	43.0	45.3	31.5	46.0	1.2	2.1	251	254	90	84	WSW 2	SW 4	9	5	☁	☁ Dull day.
11	29.93	29.83	46.9	45.0	43.8	49.0	1.9	3.3	276	227	87	76	WSW 6-7	WNW 7-9	9	2	—	☁ Dull, with squally ☁.
12	30.19	30.25	42.0	41.2	33.2	46.0	2.0	1.2	225	233	85	91	WNW 2	NW 2	6	10	☁	☁ a. Dull afternoon. ☁ at night.
13	30.39	30.41	42.1	43.0	38.0	43.0	1.4	0.2	238	273	89	98	ENE 2	SW 3	8	10	☁	☁
14	30.39	30.41	47.0	47.0	41.5	49.7	1.0	0.5	208	311	93	97	W 2	W 3	8	10	☁	☁
15	30.45	30.47	45.2	43.7	42.0	49.2	1.2	1.5	273	251	91	88	SW 3	SW 3	6	4	☁	☁
16	30.41	30.46	42.9	45.0	33.5	49.0	0.7	1.3	260	268	95	90	N 1	S 2	8	10	—	☁ a. Fine day.
17	30.49	30.47	44.8	43.5	42.5	45.7	1.5	1.5	262	249	88	83	SW 1	SW 2	10	10	—	☁
18	30.52	30.48	43.9	34.6	34.6	49.2	1.9	0.8	245	185	85	93	Calm 0	N 1	5	5	—	☁
19	30.38	30.26	34.0	36.7	29.0	48.5	0.2	1.5	192	189	98	87	Calm 0	NE 2	10	0	—	☁ a. Fine from 11a.
20	30.18	30.13	43.5	40.6	33.9	48.0	4.8	0.6	187	240	66	95	E 2	ESE 1	5	5	—	☁ a. Very fine. ☁
21	30.15	30.10	37.5	38.5	35.2	43.7	0.8	1.5	209	203	93	87	ESE 3	E 4	10	10	☁	☁ Dull, with ☁ (mist).
22	30.07	30.12	42.4	44.6	37.0	47.8	1.4	2.6	241	237	89	80	E 3	E 2	10	4	—	☁
23	30.24	30.26	43.3	46.6	37.0	51.0	1.9	1.3	239	287	85	91	E 2	ESE 1	3	10	—	☁ a. Fine day. ☁ (mist).
24	30.31	30.17	46.1	41.8	37.9	54.8	1.9	0.8	268	247	86	94	ESE 1	E 2	7	0	—	☁
25	30.02	29.89	44.4	35.6	31.0	48.8	1.6	0.4	257	201	88	97	SE 3	ENE 1	0	0	—	☁ a. and p. Very fine. ☁ (mist).
26	29.76	29.78	40.7	33.0	32.5	47.7	2.7	1.5	200	157	79	83	ESE 3	N 2	7	2	—	☁ a. and p. Very fine. ☁ (mist).
27	30.01	30.10	38.7	35.1	28.6	52.0	2.0	0.5	197	195	85	95	Calm 0	Calm 0	0	0	☁	☁ a. Very fine. ☁ (mist). ☁
28	30.02	30.01	45.2	46.5	31.2	47.4	1.0	1.7	278	277	93	88	W 2	WSW 6	8	7	☁	☁ (mist) a. Dull day. Squally ☁
Mean	30.250	30.231	43.1	42.0	36.4	48.1	1.4	1.4	249	240	89.2	89.0	1.8	2.4	7.4	5.8	0.304	

STONYHURST.—FEBRUARY 1891.

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.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	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.	35.1	37.3	33.3	43.9	1.7	0.5	in.	in.	%	%	WbyN 1	Calm	0	0	ins.	Clear a.
2	30.11	30.08	42.0	43.8	34.8	46.8	1.5	0.7	.235	.269	89	95	WbyS 1	WSW	2	10	10	☁ Overcast. ☉ in evening.
3	30.05	30.10	45.3	45.6	42.9	47.2	0.5	0.5	.291	.294	96	97	WbyS 3	W	3	10	10	☁ Overcast day. Squally p.
4	30.29	30.29	42.3	43.8	40.0	47.2	1.4	0.5	.240	.274	89	96	Calm	0	WbyS 1	10	10	☁ Overcast and gloomy. ☁ p.
5	30.29	30.25	39.1	42.0	37.8	44.0	1.0	0.8	.219	.249	92	94	W 2	WNW 2	10	10	☁ Overcast.	
6	30.23	30.19	41.8	43.3	40.3	46.1	0.3	1.1	.258	.256	98	92	W 1	W 1	10	10	☁ Overcast. ☁ p.	
7	30.11	30.02	41.8	40.3	39.9	43.3	0.9	0.8	.247	.234	93	94	W 1	Calm	0	10	10	☁ Overcast.
8	30.04	30.07	40.3	38.4	38.1	45.3	0.4	1.6	.242	.200	97	87	Calm	0	NE 1	10	0	☁ Overcast.
9	30.03	29.93	35.3	39.8	33.6	45.5	1.2	1.3	.183	.219	89	90	WbyN 1	WbyN 1	4	10	☁ Cloudy day.	
10	29.91	29.84	39.1	42.2	37.6	43.8	1.5	1.6	.209	.235	88	88	WNW 1	WSW 3	10	10	☁ Overcast.	
11	29.77	29.69	42.9	43.9	40.9	47.9	0.3	0.9	.271	.266	98	93	WSW 3	WSW 6	10	10	☁ Overcast and squally. ☉ in evening.	
12	29.95	29.98	33.0	38.3	31.9	44.4	1.5	1.8	.157	.196	83	85	Calm	0	NW 2	1	10	☁ Sunny a. Cloudy p.
13	30.12	30.20	36.9	37.9	33.7	41.8	2.1	2.6	.180	.179	83	78	Calm	0	S 1	8	10	☁ Overcast.
14	30.16	30.18	37.9	42.7	35.4	43.1	0.4	0.5	.219	.261	97	95	Calm	0	WbyS 1	10	10	☁ Overcast, with ☁ (mist).
15	30.20	30.16	41.9	37.5	37.1	48.9	0.8	2.4	.248	.179	94	80	Calm	0	Calm	0	4	☁ Sunny day.
16	30.20	30.23	37.9	38.4	33.7	49.0	2.1	2.2	.188	.188	82	82	Calm	0	Calm	0	10	☁ Overcast and cloudy.
17	30.27	30.24	38.4	40.8	34.8	43.2	0.6	1.7	.220	.219	95	87	Calm	0	Calm	0	10	☁ Overcast, and gloomy.
18	30.27	30.24	40.8	37.2	36.1	46.1	2.0	1.3	.214	.196	84	88	Calm	0	Calm	0	10	☁ Clear p. ☐ n.
19	30.17	30.05	32.1	38.5	29.1	48.9	1.7	2.3	.144	.187	78	81	NbyE 1	NE	1	0	☁ Sunny, with ☁. ☐ n.	
20	29.99	29.94	28.1	29.2	26.0	47.3	0.6	0.7	.135	.142	88	88	NE 1	NE 1	0	10	☁ ☁ early a, then clear. ☁ p.	
21	30.04	30.00	34.2	33.7	28.2	39.9	2.3	1.3	.153	.167	78	86	Calm	0	EbyN 1	10	10	☁ Overcast a. Sunny, with ☁.
22	30.00	29.98	37.4	36.5	32.3	51.0	3.5	1.8	.162	.183	72	84	NbyN 1	NbyN 1	10	0	☁ Cloudy with ☁ p.	
23	30.04	30.05	36.3	40.2	31.1	53.1	2.7	3.1	.165	.189	77	76	NbyN 1	SE 1	0	0	☁ Clear a. Sunny p.	
24	30.08	29.99	41.1	40.2	36.5	50.7	3.8	3.6	.184	.180	72	72	NNE 1	Calm	0	9	☁ Cloudy, with ☁.	
25	29.86	29.70	37.1	41.4	31.4	53.1	2.6	4.1	.173	.183	78	70	NE 1	EbyN 1	0	0	☁ Clear. ☐ n.	
26	30.06	30.08	36.1	40.6	32.2	50.5	2.9	3.8	.160	.181	75	72	NbyN 1	N 1	4	0	☁ Cloudy, with ☁. ☐ n.	
27	30.08	30.06	35.3	40.8	31.9	53.6	2.5	2.7	.158	.171	77	79	NbyE 1	swb.w 1	0	0	☁ Clear. ☐ n.	
28	29.83	29.72	36.4	42.7	32.1	48.9	1.3	0.8	.191	.257	89	93	Calm	0	swbyw 3	6	10	☁ ☁ a. Overcast. ☉ in evening.
Mean	30.033	30.017	38.1	39.9	34.7	46.9	1.6	1.7	.201	.214	86.2	86.4	0.8	1.3	6.6	6.4	0.598	

CHURCHSTOKE.—FEBRUARY 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	35.9	31.9	31.0	48.1	1.0	1.0	in.	WNW 1	W 1	0	2	ins.	Clear and sharp.
2	29.98	29.97	44.3	44.8	31.0	49.1	2.0	1.9	246	SW 1	SW 3	6	8	—	Bright, fine, and warm.
3	29.90	29.98	46.8	46.0	43.9	47.7	2.9	1.1	254	SW 4	SW 3	8	10	—	Dull day.
4	30.09	30.11	46.2	44.8	44.0	49.1	0.9	1.1	292	W 1	W 2	10	10	—	Dull and mild.
5	30.08	30.08	37.0	37.8	30.0	47.1	1.1	0.9	198	WNW 1	WNW 2	5	8	—	Bright and sharp.
6	30.05	29.99	43.0	42.8	37.1	48.3	1.7	0.7	240	W 1	W 1	10	10	—	Dull day. Birds singing.
7	29.94	29.84	41.8	42.6	39.6	46.5	0.9	1.7	245	W 1	W 1	10	10	0.07	Dull day.
8	29.85	29.86	38.8	41.1	36.0	44.1	0.6	1.2	224	W 1	Calm	8	10	0.13	☁ a. ☁ p.
9	29.80	29.75	38.8	37.8	37.0	41.7	0.3	0.7	230	Calm	Calm	10	10	—	Dull, with ☁ (mist).
10	29.77	29.69	37.0	39.8	35.1	42.1	1.1	2.4	198	NW 1	W 2	10	1	—	☁ in evening.
11	29.66	29.53	44.8	44.6	38.6	47.9	3.7	1.5	218	W 2	W 3	8	10	0.036	Sunny day.
12	29.77	29.80	37.2	33.9	33.0	47.4	1.7	1.0	188	W 1	W 1	7	2	—	Birds singing.
13	29.94	30.01	36.5	38.0	32.0	45.7	1.4	3.0	188	W 1	NW 1	5	8	—	Dull and mild.
14	30.01	30.03	41.8	41.2	36.0	45.5	2.2	0.9	218	W 1	W 1	7	9	—	☁ Bright and sharp.
15	30.02	29.99	34.5	34.9	28.4	57.0	2.6	1.0	150	W 1	W 1	2	0	—	☁ Bright and sharp.
16	30.02	30.05	35.4	36.4	29.0	53.6	2.5	1.1	160	NW 1	NW 1	6	8	—	☁ Bright and sharp.
17	30.08	30.03	33.4	32.3	26.8	51.1	1.5	0.4	160	NW 1	NW 2	3	0	—	☁ Bright and sharp.
18	30.06	30.03	34.9	32.9	26.3	54.6	2.0	1.0	105	NE 1	NE 1	0	0	—	☁ (mist). Bright day.
19	29.96	29.83	30.9	36.3	25.3	52.5	1.0	2.2	148	SE 1	SE 1	0	0	—	☁ Cold and raw. ☁
20	29.78	29.76	26.7	30.1	23.3	37.1	0.3	0.2	135	Calm	SSE 0.5	3	10	—	Mist on hills.
21	29.74	29.70	34.2	32.8	29.2	37.8	0.5	0.7	186	E 1	SE 1	10	10	—	Clear and cold. [distinctly.]
22	29.72	29.79	36.4	40.8	29.2	55.2	0.9	2.3	107	SE 2	SE 1	8	0	—	Bright day. Distant sounds heard.
23	29.85	29.88	38.0	38.6	34.0	55.3	2.5	2.0	193	SE 1	SE 1	6	0	—	Bright day. ☁ p.
24	29.89	29.90	40.0	35.9	32.0	53.8	2.8	2.0	193	SE 1	SE 1	0	0	—	Bright day. ☁
25	29.66	29.48	34.9	38.1	25.5	55.8	1.9	2.0	159	ENE 1	NNW 1	1	0	—	☁ Very sharp.
26	29.34	29.37	27.9	39.8	22.1	53.9	0.3	3.1	143	NNE 1	W 1	0	0	—	☁ Mist on hills. Bright and warm.
27	29.57	29.67	36.4	38.2	28.0	61.1	1.5	1.5	186	WNW 1	W 3	1	4	—	☁ Bright and warm.
28	29.68	29.61	41.6	46.8	28.1	61.9	2.7	4.4	208	WNW 1	W 3	1	4	—	
Mean	29.850	29.841	37.7	38.6	31.7	49.7	1.6	1.6	197			5.1	5.0	0.056	

CARMARTHEN.—FEBRUARY 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

1	30°10	30°36	46°8	35°9	35°0	51°4	4°3	0°3	*226	*205	71	97	Calm	0	0	—			
2	30°40	30°40	41°6	44°2	32°3	50°4	0°4	0°4	*254	*280	97	97	N	1	SW	2	9 10	*060	Dull, with ☁.
3	30°40	30°41	44°8	45°8	43°5	46°5	0°3	0°3	*289	*302	98	98	SW	1	SW	1	10 10	*040	Dull, with ☁.
4	30°51	30°52	45°8	43°3	42°8	49°4	0°3	0°6	*302	*267	98	96	SW	1	Calm	0	10 10	—	Dull day.
5	30°53	30°50	39°1	36°9	36°2	46°0	0°9	0°5	*220	*209	94	96	NW	1	Calm	0	10 10	—	Dull day.
6	30°49	30°40	39°9	44°7	35°8	48°0	0°7	1°2	*231	*268	95	91	Calm	0	Calm	0	10 10	—	Dull day.
7	30°32	30°24	43°5	41°5	41°0	46°2	0°8	0°7	*264	*246	94	94	Calm	0	Calm	0	10 10	—	Dull day.
8	30°26	30°22	41°2	42°7	38°9	47°1	0°5	1°2	*248	*248	97	90	Calm	0	N	1	10 10	*040	Dull day. ☁ p.
9	30°19	30°13	41°5	36°5	36°3	48°0	0°7	0°9	*246	*198	94	92	N	1	Calm	0	10 0	—	Fine day.
10	30°18	30°14	37°9	40°5	35°5	42°5	1°2	1°2	*204	*226	90	90	Calm	0	Calm	0	10 10	—	Dull day.
11	30°10	29°59	45°3	46°4	36°9	49°2	2°8	2°1	*240	*266	80	85	SW	2	SW	4	9 10	*040	
12	30°17	30°24	42°1	37°1	37°1	50°4	2°6	0°5	*214	*211	81	95	Calm	0	Calm	0	0 1	—	Fine day.
13	30°34	30°40	30°5	38°6	27°3	49°9	0°3	1°5	*162	*204	95	88	Calm	0	Calm	0	10 7	—	☁. Fine day.
14	30°43	30°42	45°3	39°1	37°9	48°8	1°8	0°4	*261	*231	87	97	NW	2	Calm	0	8 0	—	Fine day.
15	30°43	30°39	31°1	35°1	27°5	50°3	0°4	0°7	*164	*190	94	93	E	1	Calm	0	10 0	—	☁ ga. Fine day.
16	30°42	30°45	36°9	36°7	27°5	52°6	4°7	0°3	*138	*212	64	98	Calm	0	Calm	0	4 0	—	Fine day.
17	30°47	30°42	36°0	35°9	26°5	53°0	1°0	1°1	*184	*189	90	91	Calm	0	Calm	0	0 0	—	Fine day.
18	30°47	30°40	38°4	41°4	27°5	59°2	2°8	2°4	*180	*212	78	82	Calm	0	Calm	0	0 0	—	☁. Fine day.
19	30°31	30°22	38°9	42°7	34°4	60°4	3°3	0°7	*175	*259	75	94	E	1	E	1	0 0	—	☁. Fine day.
20	30°13	30°10	33°9	38°4	29°5	43°5	0°5	0°1	*184	*231	94	99	E	1	Calm	0	0 10	—	☁. Dull day.
21	30°09	30°02	41°1	38°7	38°3	52°9	0°1	0°2	*256	*231	99	98	SE	2	SE	1	10 10	—	☁. Fine day.
22	30°04	30°11	53°7	48°3	37°3	60°2	8°2	6°2	*225	*206	54	61	E	1	Calm	0	0 0	—	Fine day.
23	30°22	30°24	45°5	41°2	38°3	61°2	6°0	1°9	*185	*219	61	85	Calm	0	Calm	0	0 0	—	☁. Fine day.
24	30°28	30°16	36°7	40°9	32°3	57°7	1°4	2°4	*190	*208	88	82	Calm	0	Calm	0	6 0	—	☁. Fine day.
25	30°01	29°52	46°1	41°1	35°5	60°0	4°6	3°6	*214	*215	69	73	Calm	0	Calm	0	0 0	—	Fine day.
26	29°69	29°73	43°4	42°7	33°9	58°2	4°7	3°2	*188	*209	67	77	NE	1	Calm	0	2 0	—	☁. Fine day.
27	29°66	30°04	43°9	39°5	35°4	59°5	3°6	1°2	*214	*218	74	90	E	1	Calm	0	7 0	—	Fine day.
28	30°08	30°05	42°5	43°9	30°0	57°2	3°5	0°6	*201	*273	74	95	Calm	0	SW	1	0 10	*020	☁. Fine, then overcast.
Mean	30°249	30°231	41°2	40°8	34°7	52°1	2°2	1°3	*216	*230	84°0	90°1	0°6	0°4	5°5	4°6	0°200		

MARGATE.—FEBRUARY 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	42.0	38.0	38.0	45.0	0.8	0.7	in.	in.	94	94	SW	1	N	1	7	0	ins.	
2	29.58	30.42	34.6	44.1	32.4	51.3	0.9	2.1	182	242	92	83	SW	1	SW	2	0	10	0.010	☁ Fine day.
3	30.51	30.49	42.6	44.1	42.0	46.0	1.0	1.8	251	249	92	85	SW	1	SSW	4	10	10	—	Dull day.
4	30.53	30.60	41.1	34.2	32.2	45.0	0.3	0.2	251	193	97	98	E	1	SE	1	10	10	—	Fine day.
5	30.60	30.56	35.7	36.0	33.7	43.2	0.1	0.6	207	199	99	95	N	1	Calm	0	10	0	—	☁ a. Dull day.
6	30.52	30.51	38.6	40.7	35.1	41.2	0.8	0.1	218	252	94	99	NW	1	Calm	0	10	10	0.010	☁ all day.
7	30.46	30.38	41.0	38.0	37.0	43.0	0.0	0.0	257	229	100	100	Calm	0	Calm	0	10	10	—	☁ a.
8	30.34	30.32	32.8	36.0	32.1	38.2	0.0	1.2	186	188	100	89	E	1	E	2	10	5	—	☁ a. Dull day.
9	30.30	30.28	35.1	32.8	32.0	36.4	0.4	1.1	196	163	96	87	E	2	NE	1	10	10	0.010	Dull day.
10	30.31	30.29	33.6	34.6	31.2	37.8	0.8	0.8	176	184	91	93	SE	1	S	1	10	10	—	Dull a. Sunny p.
11	30.24	30.23	36.4	39.0	33.0	41.8	2.1	1.3	176	212	82	90	SW	3	SW	3	9	0	—	Fine day.
12	30.20	30.33	40.6	34.6	33.4	41.0	1.6	0.9	220	183	87	92	NW	1	W	1	2	0	—	Fine day.
13	30.35	30.38	37.4	34.4	32.6	41.2	0.9	1.6	206	167	93	84	NE	1	E	1	0	1	—	☁ a. Fine day.
14	30.60	30.54	34.4	37.6	29.3	41.0	2.1	0.8	158	209	79	93	SW	2	SW	2	10	10	—	Fine but cold.
15	30.53	30.51	42.0	40.0	36.9	47.7	1.0	1.2	245	222	92	90	SW	1	SW	1	10	0	—	☁ Close day. ☁ p.
16	30.55	30.57	38.6	40.0	34.3	50.1	0.7	1.7	220	213	94	86	SW	1	Calm	0	8	0	—	☁ (mist) a. Fine and bright.
17	30.59	30.53	36.4	38.6	34.1	45.6	0.4	1.3	207	208	96	90	Calm	0	Calm	0	2	0	—	☁ a. Fine day. ☁ p. [9 p.
18	30.61	30.57	29.4	32.0	27.1	39.0	0.3	0.1	154	179	95	99	Calm	0	E	1	10	10	0.010	☁ all day.
19	30.51	30.39	33.1	33.2	31.1	34.8	0.1	0.2	186	185	99	98	E	1	E	2	10	10	—	☁ a.
20	30.31	30.28	33.2	33.0	32.0	40.2	0.2	0.2	185	184	98	98	Calm	0	Calm	0	10	0	0.020	☁ a. Finer p.
21	30.27	30.26	33.6	33.0	28.0	36.9	0.0	0.1	193	186	100	99	Calm	0	E	1	10	10	0.010	☁ a. ☁ p.
22	30.33	30.37	32.7	34.6	31.0	43.0	0.1	0.0	184	200	99	100	Calm	0	Calm	0	10	10	0.010	☁ a. Fine p.
23	30.38	30.42	33.3	32.8	27.5	38.0	0.0	0.3	190	180	100	97	Calm	0	Calm	0	10	10	0.010	☁ all day.
24	30.46	30.37	31.6	38.8	27.0	39.3	0.0	1.0	178	215	100	92	E	1	E	1	10	0	0.010	☁
25	30.25	30.03	34.8	40.1	35.0	48.2	0.7	2.5	188	199	93	80	Calm	0	E	1	10	0	—	☁ a. Fine p.
26	30.01	29.96	40.0	44.1	35.0	54.8	1.6	2.8	215	229	87	78	Calm	0	Calm	0	2	0	—	☁ Warmer and finer.
27	30.10	30.19	43.0	40.0	37.0	53.5	2.2	2.0	231	207	83	84	Calm	0	Calm	0	0	0	—	☁ a. Fine day.
28	30.19	30.16	37.0	46.4	29.0	57.8	0.2	3.9	216	230	98	74	Calm	0	SW	2	0	0	—	☁ a. Fine and warm.
Mean	30.373	30.378	36.6	37.5	32.8	43.6	0.7	1.1	204	204	93.9	91.0	0.8		1.0		7.5	4.5	0.100	

BABBACOMBE.—FEBRUARY 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	43° 0'	37° 2'	37° 2'	50° 1'	2° 8'	1° 2'	in.	in.	%	%	NW 4	WNW 1	1	1	ins.	Fine day. $\overline{D}^2 p$.
2	30° 34'	35	42° 3'	44° 9'	35° 3'	51° 9'	0° 5'	1° 1'	259	272	96	92	WSW 2	WSW 2	8	10	—	$\overline{D}^2 n$. \overline{D}^0 (mist) till 11 a.
3	33	33	44° 6'	43° 7'	43° 3'	46° 6'	1° 7'	1° 3'	256	267	87	89	WSW 3	WSW 1	10	10	—	Dull day.
4	37	39	44° 0'	45° 8'	41° 1'	50° 0'	0° 8'	0° 9'	270	287	94	93	W 1	NW 1	10	10	—	$\overline{D}^2 n$. Dull a.
5	42	38	40° 3'	38° 0'	37° 3'	50° 0'	1° 1'	0° 7'	227	214	92	94	NNW 1	NW 2	10	0	—	$\overline{D}^2 \overline{D}^2 p$.
6	35	37	42° 0'	43° 8'	37° 9'	45° 0'	1° 4'	2° 1'	237	239	89	84	NNW 2	NNW 1	10	10	—	$\overline{D}^2 n$. Dull. \overline{D}^0 (mist),
7	21	12	42° 4'	40° 8'	40° 4'	44° 0'	1° 4'	0° 6'	240	241	89	95	ENE 1	NNW 1	10	10	010	Scotch \overline{D}^0 a. Dull and gloomy.
8	10	07	40° 8'	41° 8'	40° 2'	42° 8'	1° 0'	1° 9'	233	225	92	85	NNW 1	NNE 3	10	10	—	Dull and gloomy. \overline{D}^0 (mist),
9	04	03	37° 7'	37° 2'	36° 4'	41° 9'	1° 4'	2° 1'	199	182	88	82	E 3	ENE 1	10	10	—	\overline{D}^0 (mist). Dull.
10	09	30° 08'	32° 3'	33° 9'	32° 2'	45° 7'	0° 8'	1° 1'	165	172	91	88	W 1	WSW 1	10	0	—	\overline{D}^0 (mist). $\overline{D}^2 p$.
11	06	29° 08'	40° 8'	45° 0'	32° 2'	50° 8'	2° 0'	3° 3'	214	228	84	76	WSW 1	W 4	1	9	—	$\overline{D}^2 a$. \overline{D}^0 (mist). Fine day. $\overline{D}^2 p$.
12	05	30° 11'	42° 0'	40° 8'	39° 3'	53° 3'	2° 1'	2° 1'	223	213	84	84	NW 2	NNW 3	6	6	—	$\overline{D}^2 n$. Fine day. \overline{D}^0 (mist) p.
13	20	31	42° 7'	36° 8'	34° 4'	50° 0'	3° 9'	1° 3'	196	193	72	89	NNE 1	WNW 1	2	0	—	$\overline{D}^2 n$. and p. \overline{D}^0 (mist). $\overline{D}^2 p$.
14	34	34	38° 4'	37° 8'	31° 8'	51° 3'	1° 4'	1° 0'	204	207	88	91	W 1	WSW 2	10	0	—	$\overline{D}^2 n$. and p. \overline{D}^0 (mist). $\overline{D}^2 p$.
15	32	29	40° 8'	35° 1'	34° 6'	51° 2'	2° 0'	1° 1'	214	182	84	89	SW 1	WSW 1	9	0	—	$\overline{D}^2 a$. Fine day. \overline{D}^0 (mist) p.
16	32	34	42° 8'	39° 0'	32° 0'	53° 9'	1° 7'	1° 2'	238	214	87	90	WSW 1	WNW 1	1	1	—	$\overline{D}^2 a$. Fine day. \overline{D}^0 (mist) a. Fine day. $\overline{D}^2 p$.
17	35	30	40° 7'	39° 5'	29° 3'	52° 7'	1° 8'	1° 6'	217	210	85	87	Calm	Calm	2	1	—	$\overline{D}^2 a$. and p. \overline{D}^0 (mist). Very fine. ∞
18	32	26	42° 9'	41° 6'	34° 2'	50° 2'	2° 2'	2° 0'	230	221	83	85	NE 1	NE 1	0	0	—	$\overline{D}^2 n$. \overline{D}^0 (mist). \overline{D}^0 p.
19	30° 18'	30° 03'	38° 6'	39° 9'	36° 9'	41° 9'	0° 8'	1° 9'	218	208	93	85	E 3	ENE 4	10	0	—	\overline{D}^0 till 3p. Dull day.
20	29° 09'	29° 09'	37° 4'	41° 1'	36° 9'	41° 8'	0° 4'	0° 5'	222	233	82	96	ENE 3	NE 1	10	10	—	Dull, with \overline{D}^0 and \overline{D}^0 (mist).
21	08	29° 03'	42° 7'	39° 6'	38° 1'	42° 7'	2° 5'	0° 5'	222	233	82	96	ESE 3	E 3	8	10	—	$\overline{D}^2 a$. and p. $\overline{D}^2 p$.
22	29° 08'	30° 04'	44° 0'	41° 0'	39° 2'	48° 7'	0° 6'	0° 3'	280	250	95	98	NE 2	NE 2	7	0	010	$\overline{D}^2 n$. and p. $\overline{D}^2 a$. \overline{D}^0 p. Fine day.
23	30° 11'	15	41° 8'	39° 0'	39° 0'	49° 9'	0° 2'	0° 2'	261	233	98	98	ENE 1	NE 1	9	2	—	$\overline{D}^2 n$. and p. Dull with \overline{D}^0 .
24	30° 18'	30° 06'	39° 8'	38° 7'	36° 1'	40° 9'	0° 2'	0° 0'	240	235	98	100	E 1	E 1	10	10	—	$\overline{D}^2 n$. and p. $\overline{D}^2 a$. \overline{D}^0 p.
25	29° 03'	29° 03'	40° 9'	40° 5'	37° 3'	48° 6'	0° 1'	0° 7'	254	237	99	94	NE 1	NE 2	10	1	—	$\overline{D}^2 a$. Fine day. \overline{D}^0 (mist). $\overline{D}^2 p$.
26	57	62	41° 9'	42° 5'	37° 4'	49° 9'	0° 5'	0° 8'	255	254	96	94	NE 1	SE 1	7	0	010	$\overline{D}^2 n$. \overline{D}^0 (mist). \oplus a. \overline{D}^0 p.
27	82	93	44° 3'	43° 7'	34° 3'	51° 3'	1° 5'	3° 8'	257	207	88	72	NE 2	NE 1	1	2	—	$\overline{D}^2 n$. \overline{D}^0 (mist). \oplus a. \overline{D}^0 p.
28	29° 06'	29° 07'	50° 8'	46° 9'	31° 2'	62° 0'	6° 9'	5° 0'	218	214	59	67	NNE 1	WNW 2	4	6	—	$\overline{D}^2 n$. \overline{D}^0 (mist) ∞ .
Mean	30° 136'	30° 131'	41° 5'	40° 6'	36° 3'	48° 5'	1° 6'	1° 5'	231	223	88° 1'	88° 3'	1° 6'	1° 6'	7° 0'	4° 6'	0° 039	

LONDONDERRY.—FEBRUARY 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

1	30° 12'	30° 21'	36° 0'	44° 4'	33° 4'	44° 9'	1° 0'	1° 8'	193	253	91	87	SW 1	SW 3	3	10	—
2	20°	21°	48° 3'	49° 7'	43° 8'	51° 0'	1° 3'	1° 0'	306	331	91	93	SW 3	SW 3	10	10	020
3	18°	41°	49° 3'	50° 5'	48° 4'	53° 0'	0° 7'	1° 3'	334	333	95	90	W 3	W 2	10	10	020
4	53°	54°	47° 7'	41° 0'	40° 0'	51° 0'	1° 9'	1° 8'	285	229	87	90	S 2	WSW 1	10	0	—
5	55°	54°	45° 0'	46° 7'	37° 6'	48° 8'	1° 7'	1° 8'	260	277	87	87	SW 2	Calm	0	10	—
6	47°	43°	47° 2'	47° 0'	44° 0'	50° 0'	0° 8'	1° 3'	185	201	57	91	WSW 3	WSW 1	10	10	010
7	30°	22°	44° 8'	45° 7'	43° 8'	47° 4'	2° 2'	1° 5'	243	273	84	90	S 3	SW 2	10	10	070
8	40°	42°	35° 1'	37° 1'	34° 0'	47° 4'	0° 6'	1° 5'	193	192	94	87	W 2	SW 1	1	0	—
9	29°	30° 17'	31° 7'	37° 7'	30° 5'	42° 5'	1° 6'	1° 6'	143	195	79	86	SSW 2	S 1	0	0	—
10	30° 10'	29° 07'	40° 2'	40° 3'	36° 0'	46° 6'	2° 2'	2° 8'	205	252	83	81	S 1	SW 5	10	10	—
11	29° 08'	29° 07'	48° 2'	44° 6'	43° 7'	50° 1'	2° 2'	2° 9'	283	232	85	79	SW 5	SW 5	10	3	030
12	30° 26'	30° 34'	38° 3'	41° 1'	36° 0'	45° 3'	1° 3'	1° 8'	305	220	89	85	NW 1	NW 1	2	3	020
13	42°	42°	40° 7'	43° 7'	38° 4'	44° 6'	2° 0'	0° 8'	213	207	85	93	S 1	Calm	0	10	020
14	42°	42°	45° 5'	47° 0'	41° 2'	51° 2'	0° 8'	1° 3'	287	301	95	91	SW 1	SW 2	10	10	—
15	38°	33°	39° 3'	42° 8'	37° 4'	51° 6'	1° 6'	2° 1'	209	231	88	84	SW 2	Calm	0	1	—
16	40°	46°	44° 7'	47° 7'	41° 0'	48° 8'	2° 0'	3° 0'	251	261	86	80	SW 1	SW 1	10	10	—
17	50°	47°	43° 1'	45° 7'	42° 3'	48° 1'	1° 4'	2° 4'	248	254	89	83	S 1	SW 1	10	10	—
18	49°	47°	40° 7'	44° 8'	39° 0'	52° 4'	1° 5'	2° 1'	222	250	88	85	SW 1	SW 1	0	0	—
19	37°	26°	46° 1'	49° 0'	35° 4'	55° 1'	5° 3'	3° 2'	203	211	65	77	SW 2	S 1	0	0	—
20	23°	12°	35° 0'	39° 7'	33° 2'	54° 2'	1° 3'	1° 5'	178	197	87	87	S 1	SE 1	0	0	—
21	30° 10'	03°	43° 0'	48° 9'	36° 8'	47° 8'	2° 0'	2° 4'	234	226	84	83	SE 2	SE 2	10	10	010
22	29° 04'	04°	48° 5'	49° 9'	42° 0'	55° 0'	1° 8'	5° 2'	207	241	87	67	SE 3	S 3	10	0	—
23	30° 15'	17°	49° 7'	54° 7'	45° 8'	58° 2'	5° 8'	6° 0'	227	254	64	64	S 2	SW 3	10	9	—
24	30° 20'	30° 08'	53° 0'	52° 7'	45° 0'	58° 8'	7° 3'	8° 0'	233	217	58	56	SSW 1	S 2	9	9	—
25	29° 02'	29° 05'	47° 7'	49° 5'	44° 0'	57° 2'	5° 1'	5° 8'	219	225	67	64	S 2	SE 3	10	10	—
26	29° 06'	29° 06'	46° 2'	40° 2'	38° 0'	55° 0'	4° 7'	1° 5'	214	218	60	80	S 1	S 1	8	0	—
27	30° 10'	30° 15'	35° 4'	39° 0'	34° 0'	50° 4'	0° 5'	0° 6'	198	226	96	95	SE 1	SE 1	0	0	—
28	29° 09'	29° 05'	40° 7'	45° 7'	35° 0'	49° 0'	1° 9'	1° 0'	215	310	85	93	SSW 3	SW 4	10	10	—
Mean	30° 237'	30° 232'	43° 2'	45° 10'	39° 3'	50° 8'	2° 4'	2° 4'	232	240	82° 7'	83° 5'	1° 9'	1° 8'	6° 9'	6° 1'	0° 200

ARMAGH.—FEBRUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	37° 0	40° 9	30° 0	43° 6	1° 6	2° 3	in.	in.	%	%	SSW 1	S 3	0	10	ins.	— early a.
2	14	16	47° 0	49° 6	41° 8	50° 7	1° 2	1° 0	203	330	92	93	SSW 5	SSW 4	10	10	022	
3	11	31	50° 6	49° 0	48° 3	51° 9	1° 6	0° 5	327	335	89	97	SSW 5	SW 2	10	10	032	Overcast all day.
4	43	42	47° 6	39° 0	37° 7	50° 8	1° 3	1° 0	298	218	91	92	S 1	SSW 2	10	0	—	Overcast all day.
5	45	43	42° 0	44° 8	34° 1	45° 5	1° 0	1° 0	245	273	92	92	SSW 2	SW 2	10	10	—	
6	36	32	40° 6	45° 5	43° 0	50° 7	0° 8	1° 9	299	261	95	86	SW 2	SW 2	9	10	—	
7	22	14	44° 2	43° 5	42° 5	45° 8	2° 5	0° 5	236	271	81	96	S 2	S 2	10	10	014	Overcast all day.
8	27	29	42° 2	31° 2	31° 0	46° 5	3° 2	1° 2	205	146	77	83	WNW 0.5	N 1	4	0	—	
9	16	30° 04	35° 0	37° 7	24° 8	44° 5	2° 0	2° 0	164	189	80	83	N 1	S 2	0	9	—	— a.
10	30° 00	29° 02	41° 4	44° 2	34° 9	46° 6	2° 0	2° 7	220	232	85	80	SSW 2	SSW 3	8	10	—	
11	29° 18	29° 07	47° 9	43° 7	42° 8	50° 5	2° 0	3° 0	285	221	86	77	SW 4	WSW 2	10	9	014	— early a.
12	30° 16	30° 22	37° 0	37° 7	33° 0	47° 5	0° 9	1° 0	202	207	92	91	SSW 2	W 1	10	10	—	—
13	32	30	41° 8	43° 5	36° 8	45° 3	2° 0	0° 9	225	262	85	93	WSW 1	SSW 1	10	10	020	—
14	31	30	45° 0	47° 4	42° 9	49° 9	1° 1	1° 6	273	288	91	89	SSW 2	S 1	10	10	—	Overcast all day.
15	28	24	41° 0	40° 0	33° 0	52° 6	2° 0	2° 4	215	200	84	81	S 2	S 2	0	7	—	
16	31	36	43° 8	44° 0	35° 3	50° 7	2° 0	2° 9	243	235	84	79	S 2	S 2	10	10	005	
17	38	37	43° 5	45° 5	35° 4	48° 0	1° 8	2° 7	244	235	86	80	S 1	SSW 1	10	10	007	Overcast all day.
18	39	36	40° 8	41° 8	35° 0	53° 3	1° 2	0° 4	239	250	91	97	S 2	S 1	0	0	—	Fine day.
19	27	15	34° 0	38° 7	24° 0	54° 4	2° 3	2° 1	150	195	77	84	S 0.5	SE 1	0	0	—	— a. Fine day.
20	30° 09	30° 01	30° 4	37° 7	23° 9	51° 2	0° 6	1° 1	154	205	91	90	SE 1	SSE 2	10	0	—	— till 9.30 a. then fine.
21	29° 09	29° 02	43° 8	42° 2	35° 0	46° 3	2° 2	2° 4	239	219	83	83	SE 2	ESE 2	10	10	060	
22	29° 06	29° 05	50° 5	47° 7	41° 2	55° 6	2° 5	4° 9	304	223	83	68	SSE 3	SSE 3	9	4	—	
23	30° 06	30° 08	50° 6	49° 1	43° 1	57° 3	6° 0	4° 8	232	240	63	69	ENE 1	SSE 1	3	10	9	
24	30° 12	30° 01	53° 7	48° 5	41° 1	58° 5	2° 9	4° 9	334	231	81	68	S 3	S 3	3	9	8	
25	29° 14	29° 13	48° 0	46° 4	38° 9	54° 2	4° 2	5° 4	239	203	72	65	SE 3	S 2	9	9	—	
26	63	29° 12	47° 6	36° 2	34° 9	53° 2	5° 6	1° 1	209	193	64	90	SE 3	SE 0.5	4	0	—	
27	96	30° 03	33° 6	36° 9	27° 0	47° 5	1° 0	0° 2	172	215	89	98	SE 1	SE 1	10	0	005	— a.
28	29° 01	29° 07	40° 2	47° 1	32° 0	47° 7	0° 9	0° 5	230	312	92	96	SSW 2	SW 3	10	10	010	
Mean	30° 139	30° 130	43° 1	42° 9	35° 8	50° 0	2° 1	2° 0	238	237	84° 4	85° 1	2° 0	2° 0	7° 6	7° 0	0° 180	

DUBLIN (PHOENIX PARK).—FEBRUARY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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°	42°	28°	47°	1°	2°	193	220	80	81	SW 1	SSW 1	1	2	ins.	Beautiful day.
2	28	28	48°	49°	47°	51°	2°	2°	276	307	83	87	SW 2	SW 2	7	9	—	
3	27	39	49°	47°	47°	52°	2°	1°	300	318	85	90	SW 2	WSW 1	9	9	—	Dull and cloudy.
4	51	52	49°	38°	33°	52°	2°	0°	289	221	83	95	Calm	Calm	4	8	0°05	☁ p.
5	55	52	34°	45°	29°	49°	2°	2°	151	243	76	80	Calm	Calm	4	9	—	☁ till 2a. Bright a. Cloudy p.
6	46	42	45°	46°	44°	50°	2°	1°	256	274	84	89	W 1	Calm	8	9	—	
7	33	24	42°	43°	42°	46°	2°	2°	219	223	80	78	Calm	SSW 1	10	9	0°10	
8	29	33	42°	27°	26°	46°	0°	0°	253	124	94	82	Calm	Calm	8	1	—	
9	22	15	29°	27°	22°	43°	0°	0°	147	132	88	88	Calm	Calm	1	1	—	Bright a. Cloudy p.
10	30°14	30°05	42°	44°	26°	47°	2°	2°	220	231	83	79	SW 1	SW 2	7	2	—	
11	29°99	29°98	44°	42°	41°	51°	2°	2°	246	215	83	80	SW 2	W 2	4	1	0°05	Cloudy day.
12	30°24	30°30	35°	36°	31°	46°	1°	1°	184	191	89	89	WSW 1	Calm	1	4	—	Bright a. Cloudy p.
13	38	38	39°	45°	32°	47°	1°	1°	217	268	91	88	Calm	Calm	9	10	0°15	☉ shower a. Cloudy day.
14	40	40	46°	41°	40°	49°	1°	2°	290	213	93	82	Calm	Calm	9	2	—	
15	37	33	36°	41°	30°	54°	1°	3°	197	195	92	75	Calm	SW 1	1	1	—	Beautiful day.
16	40	43	44°	39°	35°	51°	2°	1°	239	218	81	91	SSW 1	Calm	4	4	—	Beautiful day.
17	47	45	44°	43°	38°	49°	2°	2°	240	232	82	80	Calm	SSW 1	8	8	—	
18	48	44	32°	32°	27°	58°	2°	0°	144	168	77	90	Calm	Calm	2	1	—	Beautiful day. ☁ p.
19	52	19	37°	37°	27°	53°	1°	2°	191	182	86	82	Calm	Calm	1	2	—	☁ a. Fine day. ∞
20	13	30°08	36°	34°	23°	50°	2°	1°	149	174	69	86	Calm	Calm	1	6	0°05	Beautiful day.
21	30°06	29°98	44°	43°	34°	49°	3°	2°	229	235	78	84	Calm	SE 2	8	8	—	
22	29°97	30°06	50°	49°	42°	59°	2°	4°	291	249	81	70	SSE 1	SE 1	6	1	—	Beautiful day. ☐
23	30°14	30°14	53°	62°	39°	64°	5°	7°	277	352	69	62	Calm	SE 1	6	6	—	
24	30°22	30°10	48°	36°	34°	62°	2°	0°	272	201	82	93	Calm	Calm	7	1	—	
25	29°92	29°82	39°	39°	26°	56°	1°	2°	226	193	92	81	Calm	Calm	4	5	—	Beautiful day.
26	29°69	29°74	42°	38°	31°	52°	2°	2°	225	189	85	82	Calm	Calm	2	1	—	Beautiful day.
27	30°00	30°09	38°	33°	28°	54°	1°	2°	205	174	89	92	Calm	Calm	8	2	—	Beautiful day. ☁ p.
28	30°04	29°98	44°	48°	27°	50°	2°	1°	247	290	84	87	Calm	WSW 2	8	10	0°20	☁ n. Cloudy day. ☉ shower p.
Mean	30°228	30°216	42°1	41°5	33°5	51°8	2°1	2°1	228	223	83°9	83°7	0°4	0°6	5°3	4°7	0°060	

PARSONSTOWN (BIRCH CASTLE).—FEBRUARY 1891.

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.

1	30.12	30.22	33.3	41.3	28.2	45.1	0.8	1.4	174	231	91	89	Calm	Calm	0	7	—	☁ n. Fine and bright. ☁ p.
2	25	26	48.7	49.5	39.6	51.7	2.2	2.0	291	304	85	87	Calm	Calm	10	6	—	Dull and mild, with ☁.
3	26	38	48.9	48.7	47.6	52.1	1.0	0.8	322	324	93	94	Calm	Calm	7	10	—	Dull day. ☁ (mist).
4	47	49	44.5	35.5	35.0	49.9	1.2	0.7	263	195	91	94	Calm	Calm	10	0	—	☁ a. Fine and bright.
5	54	50	33.0	45.3	28.0	47.4	1.0	2.4	167	249	89	82	Calm	Calm	9	10	—	☁ n. ☁
6	46	40	43.9	44.7	42.6	48.9	1.0	2.2	265	247	92	84	Calm	Calm	10	10	—	Fine and mild. ☁
7	39	21	42.8	42.7	40.4	45.7	1.9	1.2	235	248	85	90	Calm	Calm	10	10	0.082	Dull, with ☁.
8	29	31	41.4	33.5	33.0	46.1	0.6	1.0	249	172	95	89	Calm	Calm	10	0	—	☁ a. ☁ (mist).
9	22	11	26.7	39.5	23.2	44.0	0.8	1.6	120	211	83	87	Calm	Calm	1	9	—	☁ n. Dull, with ☁.
10	30.10	30.06	40.0	43.3	35.0	47.7	1.2	2.0	222	237	90	84	Calm	Calm	9	3	—	☁ a. and p. Dull day.
11	29.99	30.00	46.1	42.1	39.8	51.6	1.4	2.2	279	222	90	83	SW 2	SW 1	10	0	—	☁ (mist) a. Dull day.
12	30.22	30.27	33.8	36.3	28.8	48.1	0.5	1.4	184	188	94	88	Calm	Calm	0	2	—	☁ n. Fine, bright, and warm.
13	34	36	41.8	46.5	35.2	47.7	2.8	0.6	209	303	79	95	Calm	Calm	10	10	0.032	☁ a. Dull and damp.
14	36	35	46.7	40.1	39.6	50.5	0.6	1.2	304	223	96	90	Calm	Calm	10	0	—	☁ a. Day fine and bright.
15	32	30	41.0	41.6	30.6	53.0	1.1	1.7	233	228	91	87	SSE 1	Calm	0	4	—	☁ n. Fine and bright. ☁ (mist).
16	35	40	43.0	37.9	37.4	52.2	1.3	0.9	249	209	90	92	Calm	Calm	10	0	—	☁ a.
17	43	41	43.1	43.7	32.8	47.7	1.2	1.8	252	246	90	86	Calm	Calm	10	10	—	Dull and cold, with ☁ (mist).
18	41	38	39.7	38.7	33.8	57.7	1.0	1.2	224	212	92	91	S 1	Calm	0	0	—	☁ n. Fine, bright, and warm.
19	27	15	42.4	38.2	28.8	54.3	2.4	1.8	221	195	82	85	SE 1	Calm	0	0	—	☁ n. ☁ a. Fine, bright, and warm.
20	30.10	30.03	29.3	40.0	25.5	48.3	1.3	1.3	126	220	78	90	Calm	SE 2	0	10	—	☁ n. ☁ a. Day bright. ☁
21	29.99	29.94	44.0	43.8	38.0	49.6	2.0	2.5	244	232	84	80	SE 1	E 3	10	10	0.040	☁
22	29.85	29.95	49.6	46.9	42.8	54.8	1.0	2.4	330	265	93	84	SE 2	SE 4	8	9	—	☁ a. Dull, with squally ☁.
23	30.04	30.12	48.0	48.2	43.6	55.7	2.8	2.4	267	279	80	84	SE 3	S 3	10	10	—	☁ a. Dull and squally.
24	30.16	30.05	46.9	46.4	43.4	58.8	2.0	2.9	274	251	86	81	SE 1	S 2	3	9	—	Bright a. Day mild.
25	29.86	29.75	46.7	45.1	40.9	55.7	1.7	2.1	279	252	88	84	SSE 2	S 2	9	10	—	Bright a.
26	62	29.71	43.5	39.4	38.7	55.7	2.7	1.2	225	218	79	91	SE 1	Calm	0	6	—	Very bright and warm.
27	29.97	30.08	41.5	35.6	35.4	52.8	1.5	0.8	230	195	88	93	Calm	Calm	0	6	—	Very fine day. ☁
28	30.04	30.00	38.7	47.9	30.7	48.8	0.6	0.9	223	310	95	94	Calm	SW 3	10	10	0.016	☁ n. ☁ from 3p.
Mean	30.189	30.183	41.7	42.2	35.9	50.8	1.4	1.6	238	238	88.2	87.8	0.5	0.7	6.8	5.9	0.170	

STENNESS AND DEERNES.—MARCH 1891.

Height above Mean Sea Level, { 124 feet. 169 } Heights above Ground:—Bar., { 1 foot. 3 feet. } Therms., { 4 feet. 4 } Rain-gauge, { 1 foot. 1 }
Long. { 3° 13' W. 2° 45' W. } Lat. { 58° 59' N. 58° 56' N. } Gravity Correction, + .036.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.	29°41	49°4	47°0	42°0	51°8	2°4	2°3	in.	in.	°/o	°/o	WSW 9	WSW 8	7	9	ins.	65 miles per hour 4p.)
2	°33	°28	39°5	36°0	34°0	50°8	2°0	1°3	°204	°188	84	88	W 8	W 7	8	8	°160	Stormy	
3	°48	°81	34°2	31°5	30°0	38°8	2°0	0°5	°158	°166	80	94	WNW 8	NW 7	5	1	°270	Stormy	
4	°27	°41	46°6	40°1	31°0	47°8	1°2	2°9	°289	°192	92	77	WSW 9	W 6	10	9	°480	Stormy (61 miles per hour 1p.)	
5	°51	°35	36°4	38°7	34°0	41°8	0°9	1°7	°198	°202	92	86	WNW 6	WSW 6	8	10	°210		
6	°24	°41	32°0	28°0	27°0	49°8	0°0	0°0	°182	°153	100	100	W 6	N 4	9	10	°210		
7	°48	°58	26°8	27°7	24°0	31°8	0°0	1°0	°146	°122	100	81	N 3	N 4	6	0	°160		
8	°62	°65	27°8	28°0	21°0	28°8	2°3	3°2	°090	°073	60	49	N 4	NW 4	1	2	—		
9	°63	°57	30°0	31°0	24°0	31°8	4°0	4°0	°079	°090	47	52	NW 6	N 7	3	1	—		
10	°57	°52	28°1	28°0	26°0	33°8	1°6	3°0	°109	°076	71	51	NNE 4	NE 3	3	5	°120		
11	°51	°55	29°8	27°7	20°0	37°8	3°0	0°7	°095	°130	58	86	NE 1	Calm	0	0	—		
12	°58	°67	36°0	30°7	24°0	39°8	4°2	1°7	°130	°131	65	75	NE 1	Calm	0	1	—		
13	°70	°76	36°0	34°0	30°0	38°8	3°6	5°0	°148	°109	69	56	SSW 5	S 3	0	0	—		
14	°69	°52	35°2	36°0	30°0	36°8	3°0	3°0	°150	°158	73	74	S 3	S 6	7	0	—		
15	°25	°42	37°2	36°8	34°0	39°8	3°2	1°8	°163	°184	74	85	SSE 8	SSE 3	8	9	°030		
16	°69	29°82	38°3	34°0	33°0	41°8	3°3	1°0	°170	°176	74	89	NE 4	NE 2	10	0	—		
17	29°91	30°02	41°0	35°2	31°0	42°8	2°6	2°3	°204	°161	80	78	E 2	SE 1	1	0	°020	Fine all day.	
18	30°00	29°94	39°0	34°0	29°0	41°8	1°4	2°0	°210	°156	89	79	N 1	N 3	3	0	—		
19	29°88	°62	36°2	40°0	33°0	40°8	2°7	1°2	°165	°222	77	90	N 3	NW 5	10	7	°030		
20	°82	°83	38°0	37°1	32°0	40°8	2°4	3°1	°183	°164	80	74	Ni 6	N 5	9	5	—		
21	°81	°83	37°0	36°0	32°0	39°8	2°2	1°0	°179	°193	81	91	NE 1	NW 1	10	9	—		
22	°80	°79	41°4	39°5	35°0	44°8	3°1	2°5	°199	°198	77	82	WNW 2	S 1	8	10	°020		
23	°54	°55	40°0	—	—	—	2°5	—	°198	—	80	—	S 4	SW 6	9	10	°020		
24	29°80	29°07	—	—	—	—	—	—	—	—	—	—	SW 4	SW 2	10	10	°320	Instruments removed to Deerness, 16 miles to the Eastward, on March 24th.	
25	28°92	28°68	—	—	—	—	—	—	—	—	—	—	SW 2	WSW 4	8	6	—		
26	28°89	29°09	—	—	—	—	—	—	—	—	—	—	N 7	NW 7	0	6	°230		
27	29°13	°33	—	—	—	—	—	—	—	—	—	—	N 4	N 9	9	10	°200		
28	°49	°27	—	39°0	—	—	—	3°0	—	°181	—	77	NNW 5	N 6	10	7	°140		
29	°36	°34	39°0	32°0	25°0	41°8	0°0	0°5	°160	°170	100	94	NW 7	NNW 8	8	4	—		
30	°59	°73	35°3	38°0	31°0	41°8	2°9	2°0	°152	°190	73	83	N 5	N 4	6	1	°050		
31	29°81	29°88	40°5	37°5	34°0	43°8	4°3	3°7	°171	°158	68	71	Calm 0	E 1	0	0	—		
Mean	29°59	29°527	—	—	—	—	—	—	—	—	—	—	4°5	4°3	6°0	4°8	2°940	11p.	

BRAEMAR.—MARCH 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	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.		
1	ins.	ins.	51.8	51.8	45.4	55.2	5.1	3.9	in.	in.	69	75	SW 4	SW 6	4	8	—
2	28.59	28.44	51.8	51.8	45.4	55.2	5.1	3.9	in.	in.	69	75	SW 4	SW 6	4	8	—
3	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
4	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
5	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
6	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
7	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
8	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
9	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
10	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
11	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
12	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
13	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
14	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
15	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
16	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
17	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
18	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
19	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
20	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
21	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
22	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
23	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
24	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
25	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
26	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
27	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
28	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
29	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
30	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
31	50	46	37.6	31.4	31.0	52.0	2.9	1.7	1.72	1.37	77	77	W 4	W 4	5	10	* showers.
Mean	28.509	28.523	31.9	32.0	27.4	38.5	1.2	1.3	1.57	1.60	84.8	84.7	2.1	2.1	6.6	5.9	2.530

LAUDALE.—MARCH 1891.

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.

1	29.87	29.78	52.1	52.2	48.5	57.2	1.8	2.2	3.42	3.32	87	85	W 2	W 8	10	10	2.90	—
2	78	29.78	43.0	36.0	34.3	52.2	4.0	0.8	1.97	1.97	71	93	NW 4	N 5	10	10	3.00	—
3	97	30.12	37.7	40.7	33.5	42.3	2.7	2.1	1.76	2.11	77	83	N 5	N 6	7	10	1.040	—
4	88	29.95	49.5	45.0	35.1	54.1	1.8	2.0	3.09	2.53	88	85	SW 8	WNW 8	10	10	1.900	—
5	86	65	44.5	44.3	41.1	47.3	1.8	1.2	2.53	2.63	87	91	WNW 4	W 5	10	10	1.840	—
6	64	63	37.7	36.0	32.7	46.2	2.1	2.9	1.86	1.60	82	75	NNW 4	N 3	7	7	1.040	—
7	62	72	28.4	26.2	22.5	37.6	1.7	3.2	1.09	0.59	70	42	N 1	Calm	0	0	—	—
8	78	83	25.0	26.0	20.7	34.5	1.3	2.0	0.92	0.81	68	58	Calm	Calm	0	0	—	—
9	92	82	24.5	28.5	17.8	36.8	1.0	1.5	1.00	1.14	76	74	Calm	N 1	10	0	—	—
10	64	62	23.7	30.0	20.4	37.7	1.7	1.0	0.74	1.40	59	83	Calm	Calm	0	0	—	—
11	59	62	32.7	27.7	22.4	40.0	3.7	3.0	1.15	0.75	62	51	ENE 2	E 1	2	0	—	—
12	73	81	24.3	30.1	20.1	43.7	2.3	2.9	0.64	0.99	49	59	Calm	Calm	0	0	—	—
13	88	89	32.0	31.0	25.0	46.2	3.4	2.0	1.11	1.27	61	72	NE 2	Calm	0	0	—	—
14	83	64	36.7	38.7	30.1	42.2	4.6	4.4	1.38	1.06	64	67	SW 2	S 3	6	5	1.040	—
15	112	117	38.2	39.3	35.4	40.3	2.5	2.1	1.83	2.00	80	84	SE 7	ESE 1	10	10	2.50	—
16	52	72	41.0	40.1	34.5	42.3	4.0	4.2	1.80	1.69	70	68	SE 9	NE 6	8	10	—	—
17	29.95	29.98	40.3	43.7	34.6	44.7	3.3	4.7	1.86	1.91	74	67	NE 3	E 3	8	6	—	—
18	30.07	30.04	42.0	37.9	35.0	52.2	4.0	2.6	1.90	1.80	72	78	Calm	Calm	0	8	—	—
19	30.03	29.93	38.3	41.2	32.2	45.7	5.3	3.0	1.40	1.09	61	77	Calm	NNW 2	4	10	1.040	—
20	29.95	30.02	42.7	38.4	37.5	49.0	4.1	3.4	1.94	1.69	71	73	ENE 2	NE 2	4	1	—	—
21	97	29.98	41.7	39.0	34.7	49.6	2.4	2.3	2.15	1.94	82	82	Calm	Calm	0	10	—	—
22	96	91	38.9	40.7	31.9	44.7	2.2	3.0	1.95	1.05	83	77	Calm	Calm	0	10	1.070	—
23	76	61	43.2	41.3	37.1	47.3	2.5	3.3	2.26	1.95	81	76	SW 2	W 3	9	4	1.400	—
24	51	29.30	39.9	41.3	34.9	43.3	2.6	2.3	1.95	2.13	79	82	NW 3	NW 1	10	10	1.550	—
25	15	28.98	42.3	37.0	34.0	44.3	3.6	2.7	1.99	1.70	74	77	NW 3	NW 4	10	10	1.480	—
26	27	29.58	38.3	36.0	31.7	43.3	3.3	2.0	1.70	1.75	74	82	N 2	N 2	6	10	1.80	—
27	51	61	39.0	41.0	32.6	42.0	2.8	2.7	1.85	2.02	78	70	NW 3	SW 2	10	7	1.040	—
28	82	69	40.7	43.5	36.2	44.3	3.7	2.3	1.83	2.33	72	82	N 2	SW 2	8	10	1.100	—
29	68	79	39.0	32.2	31.4	44.0	3.1	0.5	1.79	1.72	76	94	Calm	N 3	3	4	0.60	—
30	89	99	35.0	34.0	30.2	42.4	1.3	1.8	1.68	1.60	87	81	N 4	Calm	0	7	—	—
31	29.99	29.90	36.7	39.7	26.3	48.3	2.7	4.4	1.68	1.63	77	67	Calm	Calm	0	0	—	—
Mean	29.746	29.741	37.7	37.4	31.4	44.7	2.8	2.5	1.75	1.76	73.9	75.6	2.4	2.3	6.5	5.5	6.640	—

DUNDEE.—MARCH 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	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.	51.2	52.6	44.9	55.5	2.8	2.6	in.	in.	81	82	W	10	W	8	0	10	ins.	Dull from noon. (gale) at times.
2	29.63	29.50	51.2	52.6	44.9	55.5	2.8	2.6	3.97	3.27	81	82	W	10	W	8	0	10	—	Stormy 11a.—8p. showers.
3	58	55	43.4	36.0	35.3	53.6	3.7	2.5	2.06	1.67	74	78	W	6	W	6	0	5	0.10	Stormy from 10a. showers.
4	73	89	35.4	37.4	32.5	41.8	2.5	3.6	1.60	1.59	77	72	NW	4	NW	8	5	0	0.20	Stormy n. and during day.
5	54	61	50.7	44.2	37.4	52.2	3.8	3.7	2.77	2.13	75	73	NW	8	NW	12	5	5	—	Dull day. 0.2p.
6	65	48	46.6	45.6	42.3	50.7	4.2	1.1	2.26	2.81	72	92	NW	6	W	6	5	10	1.00	Dull day. 0.2p.
7	40	44	42.0	33.3	32.2	40.8	3.3	1.7	2.02	1.56	76	82	W	4	NW	4	5	7	0.10	Stormy 11a.—4p.
8	45	54	33.2	29.9	28.0	38.3	1.4	0.5	1.61	1.53	84	92	NW	1	NE	1	7	10	—	Dull day. at night.
9	56	64	31.3	35.0	24.3	37.6	2.4	0.2	1.22	1.27	69	94	NE	2	N	2	0	0	—	Fine day.
10	72	60	27.5	28.5	19.3	30.0	3.9	1.6	0.50	1.12	40	72	NW	4	NW	2	5	0	—	Cloudy day.
11	46	34	32.4	30.8	23.1	37.8	3.2	0.2	1.18	1.07	65	97	N	1	NE	10	5	5	0.10	showers (gale) from 8p.
12	35	46	32.0	29.9	27.3	38.5	0.2	2.8	1.77	0.99	97	60	NE	10	N	4	5	5	0.10	showers n. and during day. (gale) till 11a.
13	50	64	32.8	35.5	24.3	40.8	1.9	3.4	1.47	1.47	79	70	NW	1	NW	1	10	10	—	Cloudy day.
14	76	79	33.0	32.0	25.3	47.2	2.1	0.4	1.45	1.57	77	94	SW	1	SE	1	5	0	—	Fine day.
15	75	57	34.9	32.0	27.5	42.6	3.1	1.0	1.45	1.57	72	87	SW	1	N	1	5	5	—	Cloudy day.
16	22	15	34.8	37.4	26.5	38.0	2.7	1.6	1.52	1.92	74	86	SE	6	SE	12	10	10	3.80	(gale) from 10a. till 9p.
17	39	56	38.3	35.4	34.6	38.7	1.3	0.8	2.05	1.92	89	93	E	12	E	12	10	10	950	(gale) n. and during day.
18	68	86	36.5	39.6	33.1	40.9	0.6	1.0	2.04	2.23	95	92	NE	10	NE	6	10	10	2.80	(sleet) (gale) till 2.30p.
19	95	84	40.5	38.6	33.5	44.2	2.8	2.5	1.97	1.87	79	80	NE	2	NE	4	5	5	—	Dull day.
20	82	71	37.1	35.9	34.2	43.7	3.4	2.4	1.59	1.68	72	80	NE	1	NE	1	5	5	—	Cloudy day.
21	66	76	41.0	37.1	35.6	44.0	3.0	3.0	1.97	1.66	77	75	NE	10	NE	8	5	10	0.10	Stormy, with showers from 8a.
22	78	80	37.2	35.8	35.0	40.9	3.0	0.4	1.66	2.02	76	97	NW	1	SE	1	10	10	0.10	Dull, with showers.
23	80	76	40.4	39.6	32.8	51.0	3.6	3.1	1.83	1.85	73	76	W	1	NW	1	5	10	—	Fine till 4p., then dull.
24	66	48	40.6	40.3	35.7	45.3	1.8	2.7	2.16	1.97	86	79	SW	1	SW	2	10	5	0.10	Cloudy, with showers.
25	39	29	40.6	39.4	34.0	44.7	2.8	0.7	1.98	2.28	78	95	SW	2	SW	1	10	10	0.40	showers till 9p. Dull day.
26	06	28	42.3	35.5	34.2	44.7	2.8	1.4	2.13	1.81	80	87	W	6	NW	8	5	10	1.50	showers (sleet) showers.
27	04	31	36.4	32.8	31.9	42.9	2.8	2.2	1.64	1.41	77	76	W	2	NW	2	10	0	0.10	Dull, with showers.
28	20	26	36.6	38.8	30.2	42.9	4.5	2.3	1.39	1.92	64	82	W	2	N	8	10	0	0.20	Dull day. (gale) from 6p.
29	56	39	43.0	39.6	35.7	44.0	5.5	2.2	1.74	2.01	62	82	NW	6	W	4	10	10	—	Dull day. [showers.]
30	46	49	37.8	31.2	29.9	42.0	4.2	3.7	1.53	0.98	67	56	NW	8	N	10	5	0	—	(gale).
31	58	77	38.4	35.2	29.0	44.1	6.3	3.8	1.27	1.38	55	67	N	12	NW	2	0	0	—	(gale) n. and till 2p.
Mean	29.52	29.78	41.5	33.5	31.0	40.2	3.5	0.9	1.93	1.73	74	90	NE	1	SE	1	5	10	0.10	showers till 2p.

WOLFELEE.—MARCH 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.								Per-centage.
	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.			
1	ins.	ins.	48°	49°	44°	58°	1°	1°	in.	in.	90	87	SW	SW	—	ins.	Blow <i>a.</i> and <i>p.</i> Dull <i>p.</i>
2	29° 32'	29° 21'	41°	35°	34°	55°	1°	1°	209	306	85	87	SW	NW	—	—	Blow <i>a.</i> and <i>p.</i> Cold <i>p.</i>
3	29° 35'	29° 52'	34°	37°	31°	42°	2°	2°	150	170	77	77	W	NW	—	—	Blow and cold.
4	29° 30'	29° 20'	47°	44°	35°	52°	2°	4°	255	198	80	69	W	W	—	—	✱ showers <i>n.</i> Blow and cold.
5	29° 38'	29° 18'	48°	45°	41°	50°	3°	2°	255	245	77	82	W	W	—	250	Dull <i>a.</i> (gale) during day and at night.
6	29° 03'	29° 04'	41°	31°	31°	46°	1°	0°	227	153	89	87	NW	W	—	—	✱ all day.
7	29° 00'	29° 01'	27°	30°	23°	39°	0°	1°	135	144	91	83	W	SW	—	—	Blow <i>a.</i> ✱ Clear <i>p.</i>
8	29° 03'	29° 14'	27°	22°	21°	34°	0°	0°	151	119	100	100	SW	SW	—	430	Clear and frosty <i>a.</i> ✱ <i>p.</i>
9	29° 29'	29° 14'	9°	13°	3°	38°	0°	1°	059	045	85	57	NE	E	—	—	✱ ² <i>n.</i> Frosty <i>p.</i> [Stormy <i>p.</i>
10	28° 58'	28° 84'	16°	30°	10°	33°	1°	0°	052	162	58	94	E	E	—	910	Clear and frosty <i>a.</i> ✱ during day.
11	28° 86'	28° 07'	29°	24°	22°	37°	0°	1°	154	084	94	66	E	N	—	030	Snow 1 foot deep. Frosty <i>p.</i>
12	29° 05'	29° 16'	23°	28°	9°	42°	0°	0°	113	154	89	100	NW	NW	—	—	✱ ⁰ <i>n.</i> Clear and frosty.
13	29° 27'	29° 30'	27°	28°	15°	43°	0°	0°	135	127	91	83	W	W	—	—	Dull <i>a.</i> Clear and frosty.
14	29° 25'	29° 11'	27°	30°	13°	41°	0°	0°	124	148	82	87	SE	E	—	—	Dull <i>a.</i> Fine <i>p.</i>
15	28° 71'	28° 59'	33°	34°	21°	36°	1°	0°	155	184	80	92	E	SE	—	960	Stormy
16	28° 76'	28° 07'	34°	34°	23°	37°	0°	0°	184	190	92	96	NE	NE	—	720	✱ (sleet) ● <i>a.</i>
17	29° 09'	29° 30'	36°	37°	31°	40°	0°	0°	206	216	96	96	NE	NE	—	—	✱ (mist) <i>a.</i> and <i>p.</i>
18	29° 42'	29° 33'	36°	34°	32°	40°	1°	1°	191	174	88	86	NE	NE	—	—	Dull <i>a.</i> Fine <i>p.</i>
19	29° 31'	29° 24'	35°	32°	30°	39°	2°	0°	159	174	78	95	N	N	—	040	Dull and cold <i>a.</i> Fine <i>p.</i> [day.
20	29° 12'	29° 28'	36°	36°	29°	40°	0°	1°	206	187	96	88	N	NE	—	030	✱ (sleet) ✱ <i>n.</i> Blow <i>a.</i> Dull
21	29° 28'	29° 32'	37°	34°	33°	40°	1°	1°	196	174	89	86	N	NW	—	—	Cold and blowy <i>a.</i>
22	29° 32'	29° 30'	38°	34°	27°	48°	2°	0°	187	184	81	92	WSW	S	—	—	Fine and clear.
23	29° 24'	29° 10'	35°	36°	29°	45°	2°	0°	159	200	78	92	SW	SW	—	070	Dull and cold <i>a.</i> ● showers <i>p.</i>
24	29° 00'	28° 75'	39°	41°	33°	47°	2°	0°	192	243	81	93	SW	W	—	220	Fine <i>a.</i> ● <i>p.</i>
25	28° 71'	28° 52'	41°	34°	32°	45°	2°	2°	204	146	78	73	SW	W	—	080	Cold and blowy <i>a.</i> Stormy <i>p.</i>
26	29° 68'	29° 00'	35°	32°	28°	42°	3°	2°	144	127	70	69	NW	NW	—	—	✱ ✱ <i>n.</i> Blow <i>a.</i> and <i>p.</i>
27	28° 84'	28° 82'	37°	39°	29°	40°	4°	2°	146	178	67	76	NW	NW	—	—	Cold and blowy <i>a.</i> Dull and blowy <i>p.</i>
28	29° 10'	29° 00'	39°	39°	34°	45°	4°	2°	157	196	66	81	N	N	—	020	Cold and blowy <i>a.</i> Dull and blowy <i>p.</i>
29	29° 04'	29° 06'	36°	30°	28°	44°	3°	1°	145	121	67	72	NE	NE	—	—	✱ <i>n.</i> Day bright.
30	29° 09'	29° 29'	34°	26°	25°	40°	2°	0°	156	129	77	91	NE	E	—	—	Dull, cold and blowy <i>a.</i> [frosty <i>p.</i>
31	29° 34'	29° 29'	38°	27°	23°	44°	5°	0°	139	128	61	85	E	E	—	—	Fine and clear.
Mean	29° 106'	29° 102'	34° 6'	33° 5'	26° 7'	42° 9'	1° 9'	1° 4'	169	167	81° 7'	84° 6'	—	—	—	—	3° 770

SCARBOROUGH.—MARCH 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

1	29.83	29.76	50.5	51.0	43.8	57.4	1.1	0.4	338	364	92	97	SW 5	SW 5	7	7	0.00	Stormy.
2	29.75	29.76	50.5	51.0	43.8	57.4	1.1	0.4	338	364	92	97	SW 5	SW 5	7	7	0.00	Brilliant day.
3	29.82	29.76	50.5	51.0	43.8	57.4	1.1	0.4	338	364	92	97	SW 5	SW 5	7	7	0.00	Brilliant and very clear.
4	29.85	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Brilliant with (gale.)
5	29.81	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine with (gale.)
6	29.84	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
7	29.87	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
8	29.90	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
9	29.93	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
10	29.96	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
11	29.99	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
12	30.02	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
13	30.05	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
14	30.08	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
15	30.11	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
16	30.14	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
17	30.17	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
18	30.20	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
19	30.23	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
20	30.26	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
21	30.29	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
22	30.32	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
23	30.35	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
24	30.38	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
25	30.41	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
26	30.44	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
27	30.47	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
28	30.50	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
29	30.53	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
30	30.56	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
31	30.59	29.72	45.7	51.9	35.4	52.0	1.4	5.3	275	259	90	68	W 4	W 7	10	0	0.00	Fine, but blustering. shower sp.
Mean	29.568	29.576	39.8	38.4	34.3	43.5	2.5	1.6	203	203	82.0	86.9	—	—	3.4	2.8	6.1	2.660

CRONKBORNE (DOUGLAS), ISLE OF MAN.—MARCH 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.	49.8	53.0	45.3	55.4	0.8	0.8	in.	in.	%	%	W	7-8	WSW 5	9	10	ins.	Cloudy, with squally ↘.
2	29.82	29.87	49.8	53.0	45.3	55.4	0.8	0.8	337	380	94	94	W	7-8	WSW 5	9	10	—	Cloudy, with squally ↘.
3	29.88	29.85	46.0	49.6	39.6	55.4	2.8	3.3	248	181	80	74	W	4-5	WNW 6-7	8	4	—	Cloudy, with squally ↘.
4	29.06	30.17	40.7	47.7	35.5	46.3	3.2	2.7	192	218	75	80	WNW	7-8	NW	6	1	0.85	Fine, with squally ↘. ● at night.
5	29.96	29.96	49.0	50.3	41.2	53.8	2.0	2.8	208	295	86	81	WNW	7-8	WNW 7-8	7	10	0.11	Cloudy, with squally ↘. ● showers [p.
6	.98	.88	49.5	46.7	45.7	52.5	3.0	3.0	282	251	80	79	W	7	W 5-6	10	7	0.28	Cloudy, with squally ↘.
7	.66	.60	49.5	49.6	39.6	46.7	1.1	0.9	288	225	92	93	WSW	7	Caln	0	10	350	Squally ↘ a. Overcast, with ●.
8	.64	.47	39.6	32.2	31.4	44.0	2.5	0.4	105	174	80	95	NW	4	N 1	4	3	0.14	Cloudy day. Δ showers.
9	.64	.64	32.6	30.5	30.3	37.1	1.0	0.3	164	163	89	96	NE	4	NNE 2	9	2	0.01	* showers a. Fine from 10 a.
10	.74	.63	33.0	34.1	26.2	36.8	2.0	0.1	147	195	78	99	ENE	3	E 2	2	3	—	Fine day.
11	.46	.33	34.7	34.2	30.2	37.3	1.4	0.4	174	190	86	96	E	3	NE 4-5	3	3	0.03	Cloudy day. * 7 p.
12	.37	.49	30.8	32.2	29.8	40.3	2.8	0.4	167	174	76	95	NNE	3	NNE 2	3	0	—	* showers a. Very fine day.
13	.60	.66	40.0	32.5	25.0	41.7	4.4	0.5	166	175	67	95	N	1	N 2	1	2	—	— a. Very fine.
14	.76	.78	40.5	39.0	30.0	44.0	2.9	5.0	195	149	78	63	NE	3	E 3	0	8	—	— a. Very fine.
15	.74	29.59	41.1	38.2	30.2	43.2	2.2	3.2	178	171	69	74	NNW	1	SE 3	7	8	170	Cloudy day.
16	.09	28.96	39.4	41.2	37.4	43.5	0.4	0.8	233	242	97	94	SE	6	SE 4-5	10	10	380	Overcast, with squally ↘. ●.
17	29.40	40.0	42.8	36.3	42.0	1.2	1.1	222	200	90	91	ESE	3	NE 3	10	7	—	Overcast.	
18	.55	.68	40.8	38.3	36.4	46.2	2.4	2.0	206	232	81	85	ENE	3	ENE 4	7	7	—	Cloudy day.
19	.83	.84	45.4	39.8	39.0	47.8	4.0	3.4	219	181	72	74	ENE	5-6	ENE 4-5	1	9	—	Fine, with squally ↘.
20	.86	.82	41.7	32.0	32.0	44.3	5.5	1.0	164	157	62	87	ENE	3-4	Caln	0	3	0.23	Fine day. — p.
21	.69	.83	44.1	38.0	29.0	45.9	4.7	3.9	194	159	67	69	NNE	5-6	NNE 4	1	3	—	Squally ↘. Fine day.
22	.84	.84	44.4	43.0	34.0	46.0	5.6	0.2	182	273	62	98	N	3	NW 2	3	8	—	Fine day.
23	.84	.83	40.5	38.8	38.6	43.0	1.3	1.6	225	205	90	87	E	3	E 1	10	10	—	Overcast.
24	.78	.67	44.9	42.3	37.0	46.3	2.5	2.2	242	224	82	84	SW	3	W 3	8	6	0.04	Dull day.
25	.57	.35	44.2	45.8	39.0	47.0	1.6	1.2	255	280	88	91	WSW	4-5	WSW 5	10	8	0.48	Dull day. Squally ↘. ● showers p.
26	.32	.14	45.0	38.0	36.0	47.8	1.8	2.3	257	185	86	81	WSW	6	W 7	10	10	0.94	Dull day. Squally ↘. ● Δ showers
27	.32	.55	40.0	37.0	34.1	43.0	4.0	1.8	172	186	69	85	WNW	7-8	WNW 7	7	9	0.24	Fine, with squally ↘. Δ 5 p.
28	.50	.42	39.3	41.7	34.5	43.9	2.5	1.7	192	228	81	87	WNW	6-7	NW 5	6	10	0.22	Δ a. Fine, with squally ↘.
29	.69	.64	45.0	42.0	39.8	47.0	3.7	2.0	220	225	74	85	NNW	6	NW 6-7	3	10	1.18	Squally ↘. Fine a. Dull p.
30	.63	.64	45.0	38.7	38.2	46.7	3.2	4.7	220	150	77	65	NW	6-7	NNW 7-8	4	3	0.08	Fine a. Squally ↘.
31	.71	.86	41.0	34.8	34.0	45.3	3.8	1.8	183	166	71	82	NW	7	NNW 3	4	2	—	Fine a. Squally ↘.
31	29.87	29.80	45.0	29.0	25.8	47.8	5.3	1.2	192	125	64	79	WNW	2	NNE 1	1	2	—	— a and p. Fine day.
Mean	29.660	29.651	42.1	39.0	34.9	45.4	2.8	1.8	213	205	78.8	85.1	4.7		3.8	5.5	6.1	1.383	

HILLINGTON.—MARCH 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			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°	50°	42°	59°	2°	1°	ins.	ins.	82	91	W	3	W	2	8	0	ins.	006		
2	29°07	29°93	51°	44°	43°	58°	1°	5°	248	186	90	64	WNW	4	WNW	4	5	9	—	004	Cloudy p.	
3	30°01	30°18	39°	39°	34°	46°	2°	2°	188	190	80	80	NW	5	NW	6	6	0	—	004	Cold wind.	
4	"12	"01	43°	48°	36°	56°	1°	3°	240	257	86	75	W	4	SW	6	10	0	—	004	Overcast all day.	
5	30°06	30°00	50°	45°	45°	55°	3°	3°	269	232	75	77	WNW	4	SW	5	10	9	—	004	Overcast and gloomy.	
6	29°83	29°60	42°	44°	30°	53°	3°	4°	200	213	76	71	W	6	SW	4	7	10	070	070	Much cir. Overcast from 3p. Windy	
7	"58	"56	39°	38°	37°	45°	2°	1°	0°	224	219	91	95	W	0°	SE	0°	10	10	142	142	Fine day. ☉ showers from 4p.
8	"47	"48	35°	35°	34°	39°	0°	0°	204	197	97	97	SW	3	NW	1	10	9	016	016	Overcast all day. Cold wind.	
9	"74	"62	32°	33°	31°	38°	0°	3°	170	134	93	69	NE	2	E	4	10	10	020	020	☉ a. Overcast all day.	
10	"36	"25	32°	31°	29°	34°	1°	0°	158	171	87	95	ENE	3	E	2	10	3	012	012	☉ showers till 3p.	
11	"22	"39	37°	32°	31°	41°	3°	1°	160	150	73	82	NE	3	NE	1	5	5	023	023	☉ (sleet) 10a. ☉ Δ p.	
12	"58	"67	32°	26°	25°	43°	1°	1°	154	111	82	77	NW	1	NE	0°	0	0	002	002	Much cir. p. Fine red sunset.	
13	"73	"77	35°	34°	23°	44°	1°	8°	212	162	84	80	NE	1	NE	3	10	3	—	002	002	Overcast and gloomy.
14	"74	"70	39°	35°	34°	46°	2°	0°	205	190	84	92	NE	2	E	1	0	2	—	002	002	Overcast and blustering. ☉ 11p.
15	"54	"17	35°	41°	31°	45°	0°	0°	197	245	97	96	S	1	S	6	10	10	300	300	☉ a. ☉ showers.	
16	"29	"45	40°	34°	34°	49°	3°	1°	221	179	89	89	S	0°	S	1	8	0	010	010	Squalls of ☉ (sleet) ☉.	
17	"53	"60	41°	40°	32°	50°	0°	2°	250	255	98	83	E	1	E	5	10	10	022	022	☉ a. ☉ showers.	
18	"75	"77	40°	38°	36°	47°	0°	2°	239	179	97	78	E	4	NE	4	10	6	—	020	020	☉ a. ☉ showers.
19	"74	"77	39°	34°	34°	43°	4°	3°	177	181	72	90	N	4	N	1	10	10	020	020	Squalls of ☉ (sleet) ☉.	
20	"65	"71	37°	34°	31°	44°	1°	2°	186	150	85	75	NW	2	N	1	7	0	170	170	☉ a. ☉ showers.	
21	"70	"87	36°	30°	30°	41°	1°	3°	185	103	87	60	NE	3	NE	2	4	0	—	020	020	☉ a. ☉ showers.
22	"90	"91	36°	35°	22°	45°	2°	1°	170	183	78	80	N	3	SE	1	10	10	040	040	☉ a. ☉ showers.	
23	"97	"87	34°	32°	31°	46°	3°	2°	148	127	73	70	SE	3	SSW	2	10	10	—	040	040	☉ a. ☉ showers.
24	"73	"56	42°	43°	31°	50°	3°	2°	218	221	82	76	W	3	SW	2	5	10	016	016	☉ a. ☉ showers.	
25	"51	"34	48°	45°	42°	55°	3°	1°	253	269	76	90	W	5	SW	5	8	10	042	042	☉ a. ☉ showers.	
26	"41	"56	40°	34°	33°	46°	3°	1°	182	177	73	88	NW	5	W	3	4	10	070	070	☉ a. ☉ showers.	
27	"56	"42	38°	36°	30°	45°	3°	2°	175	160	75	74	W	6	WNW	5	6	9	085	085	☉ a. ☉ showers.	
28	"53	"63	41°	35°	34°	45°	2°	0°	216	262	83	97	NW	6	N	1	3	3	104	104	☉ a. ☉ showers.	
29	"57	"56	37°	38°	34°	45°	2°	2°	197	185	89	79	N	4	N	3	10	10	045	045	☉ a. ☉ showers.	
30	"56	"77	34°	34°	29°	47°	2°	1°	158	180	77	90	NNW	4	N	1	5	4	214	214	☉ a. ☉ showers.	
31	29°89	29°92	37°	29°	29°	47°	2°	0°	178	154	80	94	N	1	N	1	3	0	—	—	—	☉ a. ☉ showers.
Mean	29°685	29°680	39°	37°	33°	47°	2°	2°	203	190	83°	82°	3°	2°	7°	5°	1°	433	—	—	—	☉ a. ☉ showers.

CHURCHSTOKE.—MARCH 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

1	29°61	29°54	50°9	53°4	44°8	50°3	2°7	1°4	*304	369	82	90	WNW	2	W	2	9	10	*010	Mild day.
2	"48	"51	49°4	39°8	37°2	54°6	1°4	2°1	*317	*204	90	84	WNW	3	WNW	3	10	4	*060	Dull and squally, with ☉ showers.
3	"70	"83	40°0	40°6	34°5	44°6	4°3	2°3	*168	*207	67	82	WNW	4	W	5	8	8	*040	Squally.
4	"72	"62	44°3	44°3	39°5	48°9	1°4	1°4	*239	*239	89	89	W	4	W	6	10	10	—	☉ a. ☉ showers.
5	"66	"58	49°6	49°6	44°3	51°9	3°7	3°7	*207	*207	75	75	WNW	5	W	3	7	1	—	Mild, with ☉.
6	"40	"20	44°0	44°0	38°7	50°2	3°6	3°6	*214	*214	73	73	W	6	W	4	7	10	*045	☉ a. ☉ in evening.
7	"07	"05	41°1	37°1	35°6	50°1	1°3	1°3	*231	*196	89	88	W	2	Calm	0	9	10	*073	Dull, with ☉ showers.
8	"02	"13	33°9	30°2	29°6	37°2	1°0	0°5	*174	*154	89	92	NNW	2	NNE	2	9	10	—	☉ a. ☉ showers.
9	29°27	29°06	28°5	31°7	26°7	35°7	0°6	0°0	*139	*179	89	100	N	1	SE	4	4	10	*015	Bitterly cold. ☉ ∞. ☉ in evening.
10	28°92	28°80	28°3	30°9	26°1	33°5	0°2	1°0	*149	*148	96	85	NE	3	E	2	10	10	*010	☉ a. (1½ ins. deep).
11	28°86	29°03	32°1	26°9	26°0	38°0	2°2	1°0	*134	*114	73	79	NNW	2	NNW	1	8	0	*010	Bright and very sharp. ☉ shower.
12	29°15	"20	26°1	29°9	15°0	41°1	1°2	1°8	*102	*119	72	72	NNW	1	NNW	1	0	0	—	☉ a. ☉ Bright day.
13	"26	"31	31°7	35°7	25°8	41°9	1°8	3°0	*138	*154	77	73	NNW	1	E	2	0	10	—	Dense fog in valley.
14	29°30	29°23	33°7	27°9	27°0	38°9	2°0	1°0	*155	*121	79	80	SE	1	SE	1	10	0	—	Dull and raw.
15	28°80	28°58	33°0	35°2	22°0	40°0	1°0	0°5	*174	*196	89	96	SE	6	SE	2	10	10	*280	☉ a. ☉ in evening.
16	28°74	28°91	35°7	34°3	30°0	45°4	1°8	0°4	*174	*189	83	96	SE	2	SE	1	10	4	*056	☉ a. ☉ (mist) ga. ☉ Raw and cold. ☉ showers. ☉ showers.
17	29°05	29°12	35°4	43°2	33°9	44°1	0°7	2°1	*193	*234	94	84	ENE	2	E	2	10	10	*090	Dull and cold. ☉ showers. ☉ showers.
18	"28	"33	42°6	36°9	36°0	50°6	1°5	2°0	*240	*182	88	84	E	4	NE	2	10	10	—	Fine and cold.
19	"35	"37	38°3	30°0	29°2	41°9	3°4	1°1	*169	*137	72	82	NE	2	NE	1	8	2	*004	Cold wind.
20	"19	"33	36°8	33°1	24°0	42°8	1°9	2°0	*182	*148	84	78	NW	2	NNE	2	10	8	*038	☉ a. ☉ (sleet) showers.
21	"36	"43	36°9	34°9	29°0	40°8	3°2	1°3	*160	*177	75	88	NNE	2	NNE	1	10	10	*020	Cold and overcast.
22	"40	"41	34°4	33°8	31°3	38°2	1°0	0°7	*179	*179	89	92	ENE	2	Calm	0	9	9	*017	Dull and cold.
23	"42	"32	35°1	38°4	29°5	43°6	1°5	1°5	*175	*203	85	88	E	1	W	2	9	5	*010	Dull and cold.
24	"23	"20	43°5	44°8	36°3	50°1	2°7	1°3	*225	*267	79	90	W	2	W	3	4	10	*052	☉ showers p.
25	"05	"28	45°6	38°2	38°0	52°4	2°8	1°0	*243	*210	81	92	W	4	W	4	9	10	*222	Squally, with ☉ ☉ storms.
26	"01	"20	37°1	33°9	32°0	43°2	2°4	1°9	*176	*157	80	80	WNW	3	W	2	8	2	*120	Squally ☉ ☉ storms.
27	"16	"06	37°8	37°1	32°0	43°7	3°6	2°2	*162	*179	71	81	WNW	3	WNW	3	2	4	*037	Cold wind, with ☉ storms.
28	"23	"26	42°3	38°8	35°8	49°1	4°6	1°9	*182	*199	68	85	NNW	3	NNW	2	6	3	*034	☉ a. ☉ storms.
29	"21	"22	43°4	38°5	38°5	50°6	2°4	2°6	*230	*184	81	79	NW	3	WNW	2	5	10	*091	Breezy and fresh. ☉ at night.
30	"27	"41	35°5	30°9	30°0	42°6	3°1	1°6	*151	*134	72	77	WNW	3	WNW	1	2	0	—	☉ a. ☉ Bright and cold.
31	29°44	29°38	37°8	30°9	23°0	47°1	1°9	1°5	*190	*137	84	78	W	2	W	1	0	1	—	☉ a. ☉ Clear and cold.
Mean	29°245	29°236	38°2	36°6	31°7	44°8	2°2	1°6	*192	*188	81°1	84°3	2°6	2°2	7°2	6°5	1°334	—	—	☉ a. ☉

CARMARTHEN.—MARCH 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.											
	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.	48°9	45°6	43°0	53°4	0°6	0°4	in.	in.	90	96	SW	1	SW	1	10	10	ins.	010	Dull day. ☁	
2	29°93	29°97	49°2	39°7	37°7	51°0	0°3	2°0	330	206	93	84	W	1	SW	1	10	6	050	050	Dull day.	
3	30°20	30°28	44°8	43°2	36°7	48°6	4°5	3°7	204	204	69	74	NW	4	NW	4	2	0	—	—	Fine day.	
4	21	10	46°4	48°8	41°5	51°6	2°4	2°8	250	276	83	80	W	3	W	4	10	1	—	—	Dull, then fine.	
5	30°16	30°05	49°9	44°6	43°7	55°3	2°6	1°3	295	254	83	92	W	2	W	3	10	0	—	—		
6	29°89	29°62	46°7	46°5	42°7	50°1	3°3	2°7	244	254	78	82	SW	3	SW	3	8	10	070	070	Dull day.	
7	51	43	45°4	40°5	39°9	49°4	2°7	1°0	245	231	81	92	W	1	SW	1	10	10	160	160	Dull day. ● from 4.30p.	
8	41	46	38°6	33°7	32°6	41°0	2°5	3°1	186	134	80	09	NE	2	N	3	8	0	—	—		
9	55	34	32°4	30°4	27°8	38°2	1°3	0°8	154	149	84	87	E	4	NE	6	7	10	160	160	Cold, with ∞. Stormy, with ✱ 9p.	
10	20	13	31°6	33°7	26°8	35°6	1°5	1°8	143	157	80	82	NE	4	E	4	10	0	—	—	✱ ✱ Cold and windy.	
11	26	38	39°6	30°9	22°7	42°7	7°2	0°8	123	152	50	88	NW	1	Calm	0	0	0	—	—	Fine day.	
12	48	50	35°4	34°9	22°7	42°5	3°8	3°3	139	143	67	70	E	3	N	1	6	0	—	—	☐. Fine day.	
13	62	65	37°3	39°2	30°5	44°0	4°4	3°1	145	165	65	70	E	2	E	2	10	10	—	—		
14	68	29°57	39°0	31°9	30°5	48°4	4°5	0°1	164	178	67	98	N	1	N	1	8	10	290	290	Fine day.	
15	09	28°95	42°0	39°0	30°0	48°4	0°7	1°4	261	218	95	89	SW	6	NW	1	10	10	250	250	Squally 9a. Dull, with ●.	
16	06	29°22	44°1	36°9	33°7	49°0	3°4	1°1	218	198	74	91	E	1	NE	1	6	9	—	—	Dull day.	
17	35	39	39°9	43°9	36°6	46°8	2°4	1°4	199	255	81	89	E	4	E	1	10	10	110	110	Dull day. ● from 5p.	
18	59	66	44°9	39°9	39°6	53°2	2°2	2°6	249	195	85	79	E	2	NE	3	10	6	010	010		
19	72	74	41°9	36°2	33°5	46°6	3°6	2°4	195	168	74	80	N	1	N	1	8	3	—	—	Fine day.	
20	62	67	37°6	37°0	25°1	47°1	5°0	4°3	139	152	62	67	W	1	N	5	10	0	030	030	☉ showers.	
21	74	80	44°4	38°4	31°0	47°6	5°9	2°7	177	182	60	79	N	1	N	1	2	10	—	—		
22	81	78	38°6	39°9	35°1	47°3	1°4	1°4	207	218	89	89	Calm	0	S	1	10	9	—	—		
23	81	72	38°9	42°9	36°4	46°5	1°6	1°4	205	245	88	89	E	1	SW	1	10	10	—	—		
24	66	51	46°4	46°6	35°2	50°0	3°3	1°6	241	279	78	80	W	1	W	3	8	10	030	030	Dull day. ●.	
25	50	30	48°8	42°6	42°2	51°4	3°3	2°3	267	225	78	83	W	3	W	6	10	10	030	030	Dull day. Squally 9p.	
26	47	67	42°7	37°1	36°1	46°5	4°7	2°5	184	174	67	79	W	2	W	3	8	0	130	130	Frequent ▲ showers.	
27	64	54	36°6	38°9	35°4	46°0	1°2	2°3	193	193	90	83	W	2	W	4	10	3	050	050	Cold wind.	
28	05	70	48°5	41°9	38°9	50°4	6°0	3°4	211	198	62	76	N	3	N	3	5	8	—	—		
29	66	63	46°2	43°2	40°7	53°3	3°4	2°4	237	228	77	82	NW	3	Calm	0	10	0	040	040		
30	69	78	38°9	34°9	34°0	46°1	2°8	2°7	184	152	79	75	N	1	N	1	9	0	—	—	Cold wind.	
31	29°85	29°73	45°4	32°7	24°5	51°3	6°9	2°4	170	137	56	74	Calm	0	Calm	0	0	0	—	—	Fine day.	
Mean	29°647	29°621	42°3	39°3	34°4	47°7	3°2	2°1	210	201	76°6	82°4	2°1	2°2	7°9	5°3	1°430					

SOUTHAMPTON.—MARCH 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.			
1	ins.	ins.	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
2	30.21	30.15	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
3	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
4	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
5	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
6	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
7	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
8	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
9	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
10	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
11	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
12	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
13	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
14	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
15	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
16	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
17	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
18	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
19	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
20	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
21	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
22	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
23	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
24	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
25	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
26	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
27	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
28	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
29	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
30	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
31	30.26	30.21	46.9	50.2	37.9	61.5	1.8	1.1	.278	.335	88	93	W 1	W 1	10	10	ins.	Dull a., then beautiful day.
Mean	30.2773	30.2752	41.2	39.2	34.5	47.7	2.0	1.5	.221	.214	84.1	87.5	2.1	2.4	7.4	5.4	2.687	

BABBACOMBE.—MARCH 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

1	30°01	29°93	48°7	52°5	42°2	59°8	1°9	1°7	.296	.349	87	88	WSW 2	W 3	9	9	—	☁ (mist) a.
2	29°88	29°92	50°0	42°9	42°5	56°0	1°2	2°1	.329	.231	92	84	W 3	W 2	7	1	.010	Dull, 1p.—4p.
3	30°12	30°24	45°3	41°6	38°0	51°7	5°3	2°1	.195	.219	64	84	NW 4	WSW 2	1	0	—	Fine day.
4	30°17	30°09	46°1	46°7	39°7	53°4	2°2	1°9	.261	.274	84	87	W 3	WNW 3	10	2	—	—
5	30°11	30°01	53°8	43°7	42°8	59°2	4°0	2°0	.309	.240	74	84	WSW 3	WSW 3	2	1	—	☁ p.
6	29°85	29°64	45°7	45°0	40°3	47°5	2°9	3°6	.242	.228	80	75	WSW 5	WSW 4	9	10	—	☁ n. Dull and gloomy.
7	30°46	30°34	48°2	43°6	43°3	50°6	2°6	0°8	.274	.266	82	93	WSW 4	WSW 1	9	10	.570	☁ (mist) a. ☁ showers.
8	30°27	30°34	37°2	36°1	36°1	44°0	0°3	1°8	.216	.178	97	84	NNE 2	NNE 2	10	8	.090	Dull day. ☁ 1p.
9	29°38	29°05	34°8	31°8	31°4	36°2	1°9	0°0	.166	.179	81	100	ENE 6	ENE 8	10	10	1°030	☁ 2 (gale) p. (terrific storm.)
10	28°89	28°87	30°9	29°6	29°4	31°9	0°0	0°0	.173	.164	100	100	ENE 7	NNE 5	10	10	1°070	☁ 2 (1 ft. on the level. ☁ 13 ft.). ☁
11	29°12	29°28	31°0	27°1	26°2	40°8	1°1	0°2	.146	.141	84	96	NNW 2	NW 1	1	1	—	☁ (gale) n. Fine day. ☁ p.
12	30°30	30°31	34°9	34°3	24°9	36°6	1°0	0°9	.183	.180	90	90	E 5	ENE 7	10	10	.250	☁ 1. ☁ (gale) p.
13	30°38	30°48	32°9	37°0	31°4	40°6	0°8	2°6	.170	.172	91	78	NE 4	NNE 4	10	9	—	☁ (gale) n. ☁ showers. ☁ 3p.
14	30°54	29°56	37°1	32°6	32°5	47°4	2°2	1°8	.179	.147	81	80	NNE 3	W 1	9	1	.030	☁ (mist). ☁ p.
15	29°22	28°94	41°0	37°1	30°8	43°2	0°3	0°4	.250	.213	98	96	SSW 5	WSW 3	10	9	.370	☁ (gale) noon. ☁ 1p., then ☁
16	28°95	29°05	39°9	41°8	33°2	47°6	1°2	1°3	.222	.237	91	90	SSE 2	E 4	9	9	—	☁ n. ☁ p.
17	29°15	29°25	40°2	40°7	39°5	45°8	0°5	0°9	.238	.235	96	92	E 5	NE 1	10	9	—	Dull day. ☁ 4p. ☁ (mist.)
18	30°42	30°47	41°6	41°9	40°2	50°9	0°9	3°0	.243	.205	93	78	ENE 3	ENE 4	9	10	.020	☁ (mist) p.
19	30°57	30°67	38°9	36°7	35°2	45°9	2°2	3°0	.194	.162	83	75	NNE 3	N 1	10	0	—	☁ 11a.—2p.
20	30°53	30°50	39°8	38°8	38°7	47°8	3°1	1°9	.186	.199	76	84	NNW 2	NE 4	3	8	.020	☁ n. ☁ 4p.
21	30°59	30°68	40°9	39°0	32°9	45°5	4°8	2°8	.167	.184	66	78	NNE 4	NNE 3	1	9	—	☁ ☁ showers, noon—3p.
22	30°72	30°69	37°9	37°2	34°4	40°0	2°2	1°3	.170	.166	81	88	SSW 1	SW 1	10	10	.060	☁ showers, 8a.—3p. ☁ showers p.
23	30°71	30°68	39°6	39°0	36°9	41°4	0°8	1°1	.227	.215	93	91	S 2	SW 2	10	6	.030	Dull, with ☁.
24	30°61	30°52	45°1	45°1	37°2	52°3	2°7	0°5	.240	.288	80	96	WSW 3	SW 3	8	10	.030	☁ showers.
25	30°49	30°34	50°2	45°9	44°9	52°6	3°4	0°8	.279	.290	78	95	W 4	WSW 8	8	10	.120	☁ showers. Squally (gale) p.
26	30°45	30°43	45°0	37°3	35°6	47°6	5°3	1°5	.193	.193	64	87	WNW 5	WNW 4	8	4	.080	☁ ☁ showers. Squally (gale) [3p.]
27	30°63	30°47	36°8	34°3	34°3	46°9	3°6	1°9	.193	.182	75	84	W 4	W 3	4	0	.150	☁ showers.
28	30°54	30°62	46°8	38°8	36°1	53°1	4°3	3°0	.226	.179	71	77	NNW 3	NNW 3	5	0	.010	☁ ☁ showers 2p.
29	30°59	30°55	46°1	44°0	35°4	52°2	2°9	1°9	.246	.246	79	85	NW 3	WNW 4	9	4	—	☁ p.
30	30°57	30°43	43°0	34°9	34°9	46°8	5°0	2°8	.181	.151	65	74	NNW 4	NNW 3	8	0	—	☁ ☁ showers.
31	29°74	29°65	43°6	34°0	29°2	47°5	4°8	1°8	.188	.160	66	81	NE 1	SSW 1	0	0	—	☁ n. ☁ a. Very fine. ☁ p.
Mean	29°547	29°529	41°8	39°2	35°5	47°2	2°4	1°7	.219	.210	82°0	86°3	3°5	3°2	7°4	5°8	3°930	

LONDONDERRY.—MARCH 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.				
	ins.	ins.							in.	in.	%	%				ins.			
1	29'84	29'84	52'7	53'7	47'4	54'6	2'0	2'5	'344	'343	87	83	SW	4	SW	6	8	10	ins. '030
2	29'89	29'90	44'8	37'7	35'6	54'2	4'8	2'0	'199	'189	67	83	W	3	NW	6	9	6	'250
3	30'15	30'22	39'7	43'8	35'2	45'5	2'0	2'1	'205	'241	84	84	NW	3	NW	4	3	10	'210
4	30'02	30'05	49'2	48'4	42'8	52'6	2'5	3'7	'280	'254	83	75	W	3	WNW	5	10	0	'050
5	29'84	29'84	49'7	48'7	33'4	51'4	1'0	3'6	'300	'259	88	76	NW	3	W	5	10	10	'230
6	'73	'61	41'6	37'7	36'2	49'2	1'8	3'1	'226	'205	86	90	WSW	2	NW	3	10	18	'220
7	'57	'64	33'7	32'5	30'4	44'0	1'5	2'7	'163	'129	84	70	W	2	NW	2	6	0	'150
8	'68	'76	30'9	30'7	27'0	40'2	1'2	2'2	'143	'120	82	70	NW	2	NE	1	10	4	'—
9	'84	'75	30'3	28'7	24'8	43'0	2'6	3'2	'108	'081	64	52	NE	2	NE	1	9	0	'010
10	'59	'51	30'1	29'7	23'8	42'6	1'4	1'0	'132	'138	78	84	NE	2	NE	1	3	0	'030
11	'52	'61	28'7	30'8	24'6	45'2	1'5	1'1	'115	'144	74	84	NE	1	E	1	0	0	—
12	'60	'78	30'1	31'7	26'5	43'5	1'4	1'0	'132	'156	78	87	E	2	E	1	2	0	—
13	'87	'86	29'4	34'8	24'8	46'2	1'7	3'0	'118	'146	73	72	SW	1	SE	1	2	1	—
14	29'50	29'50	37'8	39'5	30'0	44'6	5'1	2'0	'140	'204	62	84	S	1	SE	4	10	4	'430
15	28'98	28'97	37'7	38'0	36'5	46'3	1'4	1'0	'199	'208	88	91	S	3	S	1	8	10	'170
16	29'30	29'59	30'0	37'8	36'1	39'6	0'8	1'4	'222	'200	94	80	NE	3	NE	5	10	10	'410
17	'69	'82	39'2	41'7	36'4	42'0	0'8	1'2	'224	'239	93	91	NE	2	E	1	10	10	'010
18	'98	'94	43'7	41'0	37'5	53'0	2'0	1'3	'202	'229	85	90	NE	1	Calm	0	9	10	—
19	'96	'93	38'2	41'7	34'8	51'8	1'0	3'0	'210	'205	92	78	NE	1	N	1	5	9	'020
20	'89	'98	42'7	40'3	39'0	50'8	3'9	2'8	'198	'195	73	78	NE	2	NE	1	8	7	—
21	'98	'94	43'7	42'7	37'8	48'6	3'0	1'4	'221	'244	77	88	NW	1	NNE	1	8	10	'120
22	'92	'87	41'5	41'5	39'0	48'2	0'8	0'8	'245	'245	94	94	WSW	1	SW	1	10	10	'040
23	'79	'67	44'5	39'9	35'3	54'1	2'3	1'5	'242	'216	83	88	SW	2	SW	2	8	6	'090
24	'54	'39	43'2	43'9	37'0	49'0	1'5	1'8	'247	'247	89	86	SSW	2	W	2	10	3	'150
25	'23	'18	41'0	36'0	33'7	44'5	1'4	1'3	'227	'188	89	88	SW	4	NW	5	10	9	'390
26	'42	'63	35'5	33'9	32'3	41'3	1'1	1'0	'187	'175	90	89	N	1	W	4	9	5	'330
27	'63	'67	39'2	42'2	33'0	43'2	2'9	2'5	'184	'218	77	82	NW	2	NW	3	9	4	'190
28	'86	'78	42'1	43'7	38'0	46'6	3'4	2'2	'201	'238	75	83	NE	2	SW	4	10	5	'080
29	'77	'83	44'0	37'7	36'0	47'4	3'3	2'0	'218	'189	75	83	NW	3	NW	1	3	4	'060
30	'90	'97	40'7	35'7	34'0	45'6	5'8	2'0	'150	'173	59	83	NNW	2	N	1	6	0	'040
31	29'93	29'78	37'0	37'7	30'2	50'4	2'7	2'0	'170	'189	77	83	SW	2	SE	1	3	1	—
Mean	29'742	29'735	39'4	38'8	33'9	47'1	2'2	1'9	'200	'200	80'6	82'5	2'1		2'4	7'4	5'4	5'710	

MARKREE CASTLE, SLIGO.—MARCH 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	51.2	52.1	47.0	56.7	0.8	1.1	355	360	95	92	WSW 2	SSW 2	10	10	ins.	Overcast all day.
2	29.93	29.94	43.9	37.2	35.1	52.1	3.9	2.3	206	178	72	81	WSW 2	NW 2	10	9	2.10	
3	30.21	30.27	41.3	43.7	35.1	46.6	2.2	1.7	215	247	83	86	NW 4	WSW 2	8	10	1.40	
4	31	30.09	40.5	50.8	43.5	53.2	2.5	2.0	202	321	83	87	WSW 3	WSW 4	10	10	—	Overcast all day.
5	30.05	29.90	40.8	48.3	45.9	52.2	2.8	2.4	288	281	81	83	SSW 1	WSW 2	10	10	1.40	Overcast all day.
6	29.73	29.60	43.0	38.1	37.2	48.8	0.3	1.2	270	205	98	89	NW 2	SW 1	10	10	2.20	Overcast all day.
7	52	55	35.3	30.4	30.0	44.1	0.6	1.3	195	137	95	80	Calm	NNE 1	7	5	0.10	☁ before 9a.
8	62	68	34.4	26.0	21.4	39.9	3.3	1.2	137	101	70	72	E 1	NE 0.5	2	2	—	
9	73	64	32.4	29.2	21.5	38.1	1.5	1.3	151	125	82	78	E 1	NE 0.5	3	4	—	
10	53	44	34.1	24.4	18.9	41.0	1.2	0.3	173	121	87	93	ENE 0.5	Calm	0	2	1	
11	45	54	31.0	25.5	15.3	42.8	2.1	0.8	125	112	71	81	Calm	Calm	0	2	—	
12	64	71	34.0	26.3	16.2	43.0	3.0	0.7	138	120	71	84	Calm	Calm	0	9	2	
13	80	78	32.4	26.6	14.3	45.3	2.5	1.2	132	107	72	75	Calm	Calm	0	2	9	☼ most of night.
14	29.71	29.48	33.6	37.6	24.7	47.3	1.6	0.7	160	212	83	94	S 0.5	SE 0.5	10	10	380	☼ 9a.
15	28.93	28.78	40.8	38.0	34.2	42.8	1.9	0.6	216	216	85	95	SSW 1	SE 1	8	10	0.70	☼ showers in past n.
16	29.23	29.48	40.6	37.1	33.8	43.8	2.0	1.0	212	201	85	91	ENE 1	NE 2	10	10	0.10	Overcast all day.
17	58	68	39.7	40.3	36.1	45.2	1.9	1.3	207	223	84	90	NE 2	NNE 2	7	4	—	
18	86	87	47.0	41.9	36.1	55.7	3.4	2.0	245	226	77	86	NNE 1	ESE 0.5	7	10	—	
19	90	87	44.8	36.7	32.3	48.9	2.6	1.7	239	185	81	85	NNE 0.5	N 0.5	7	7	0.20	
20	83	92	44.8	41.0	32.0	51.1	3.9	2.9	216	199	72	78	NNW 3	NNE 2	8	8	—	
21	95	91	44.2	42.5	32.7	47.9	3.9	0.6	209	259	72	95	NNE 0.5	Calm	0	9	10	0.40
22	87	82	42.0	39.3	34.1	50.2	1.1	0.9	243	223	91	93	Calm	Calm	0	9	8	0.30
23	78	67	45.2	39.0	36.6	50.0	2.3	1.0	249	218	83	92	WSW 1	WSW 1	8	10	0.90	
24	53	42	43.0	44.3	35.8	48.8	1.2	1.5	260	258	91	88	SW 1	WSW 1	10	9	0.60	
25	24	21	45.6	33.8	31.9	46.0	2.6	0.3	248	190	81	98	SW 2	SW 1	10	8	290	☼ showers during day.
26	46	69	33.0	37.0	31.9	43.0	0.0	2.7	188	170	100	77	NW 3	NNW 5	10	10	2.70	☼ showers.
27	65	66	38.0	40.0	32.0	42.8	2.0	1.1	190	224	83	91	NNW 5	NW 2	9	10	3.30	☼ showers.
28	86	81	42.4	43.3	38.0	45.8	2.4	2.2	221	233	82	83	NW 4	NW 4	9	10	0.70	
29	77	78	46.3	41.1	40.5	48.9	3.4	2.2	239	212	76	82	NNW 3	NNW 3	9	7	—	
30	86	91	40.6	28.3	27.5	43.1	4.7	0.7	166	134	65	86	N 2	Calm	0	10	2	☼
31	29.84	29.65	39.6	41.3	20.7	49.1	4.1	4.3	168	178	70	69	SE 2	SSE 3	2	10	1.40	
Mean	29.714	29.696	40.8	37.5	31.4	46.9	2.3	1.5	211	199	81.3	85.6	1.6	1.4	7.6	7.6	2.530	

DUBLIN (PHENIX PARK).—MARCH 1891.

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.

1	30.00	29.91	51.2	52.9	47.3	55.8	1.7	1.3	333	364	89	91	SW 2	WSW 3	9	7	☁ Cloudy day.
2	29.93	29.97	40.0	37.2	35.6	53.2	3.0	1.8	244	187	79	84	W 2	W 2	7	1	☁ Cloudy a. ☁ p.
3	30.20	30.27	30.1	40.8	33.8	47.3	2.2	1.9	196	216	82	85	W 3	WSW 2	2	1	☁ Fine day.
4	30.08	30.08	48.1	49.5	39.7	52.6	2.4	2.4	277	294	83	84	WSW 4	W 2	9	9	☁ Cloudy day.
5	30.06	29.92	49.6	46.3	45.2	54.1	3.3	3.0	276	247	78	79	W 4	WSW 4	8	1	☁ Cloudy a. Bright p.
6	29.72	29.63	48.0	41.3	40.0	52.0	3.2	1.1	259	236	78	92	SW 3	W 1	7	4	☁ Cloudy with ☁ showers.
7	29.51	29.49	39.7	29.9	28.8	46.5	1.6	0.5	312	153	87	92	W 1	Calm	0	5	☁ Beautiful day.
8	29.55	29.61	32.4	27.8	25.1	38.5	0.9	0.4	165	139	89	92	W 1	Calm	0	1	☁ Beautiful day. ☁ showers.
9	29.67	29.57	36.2	35.3	27.1	39.7	0.5	3.6	204	142	95	68	E 2	ENE 2	2	10	☁ Bright a. Cloudy p.
10	29.44	29.37	36.4	29.3	28.0	39.1	1.9	1.1	180	131	84	82	N 2	N 1	5	1	☁ Beautiful day. ☁ showers p.
11	29.38	29.47	32.7	32.1	24.9	40.9	0.6	0.8	174	164	93	90	N 1	Calm	0	1	☁ Beautiful day.
12	29.59	29.67	36.4	26.5	19.1	41.5	1.5	0.6	187	125	87	87	Calm	Calm	0	1	☁ Beautiful day.
13	29.75	29.77	38.2	25.5	20.3	43.8	1.4	0.8	202	111	88	81	Calm	Calm	0	2	☁ Beautiful day.
14	29.72	29.57	35.1	39.3	23.7	47.4	1.7	2.6	171	191	83	80	Calm	SW 1	1	1	☁ ☁ a. Bright a. Cloudy p.
15	29.88	29.88	38.4	38.8	34.8	46.8	1.4	2.6	204	187	88	80	SW 1	SW 1	8	2	☁ Bright a. Cloudy, with ☁ showers p.
16	29.13	29.36	41.9	41.3	27.8	44.7	2.0	1.8	226	223	86	86	NE 1	NE 2	4	8	☁ Cloudy, with ☁ showers.
17	29.51	29.50	41.1	43.0	39.1	44.5	2.2	1.2	212	251	82	90	NE 2	NE 3	6	10	☁
18	29.78	29.82	43.8	39.1	38.1	48.8	2.4	1.4	234	211	81	88	ENE 3	ENE 1	8	6	☁ Beautiful day.
19	29.85	29.84	40.8	34.6	33.6	44.9	3.7	1.4	184	173	72	86	NE 1	Calm	0	7	☁ Cloudy a. Bright p.
20	29.73	29.83	41.9	34.8	26.7	47.3	2.5	2.1	216	161	82	80	N 2	Calm	0	8	☁ Fine day.
21	29.88	29.87	41.3	41.8	29.8	47.6	2.2	2.3	197	219	76	83	N 1	Calm	0	4	☁ Bright a. Cloudy p.
22	29.86	29.83	41.7	40.5	37.2	47.8	1.4	1.9	235	213	89	85	Calm	Calm	0	8	☁
23	29.79	29.72	44.7	39.3	37.5	51.9	3.0	1.9	231	204	78	85	WSW 1	SW 1	5	2	☁ Cloudy a. Bright p.
24	29.60	29.43	43.4	46.3	36.8	49.8	1.9	1.7	241	194	85	88	SW 2	W 2	9	7	☁ Cloudy, with ☁ showers.
25	29.33	29.22	45.2	35.1	33.9	51.4	1.8	1.6	260	173	87	84	SW 3	SW 2	9	5	☁ Squally with ☁ showers.
26	29.43	29.69	36.8	34.6	32.0	44.3	2.5	1.2	172	177	79	88	WSW 2	W 2	6	1	☁ Cloudy a. Bright p. ☁ showers.
27	29.63	29.59	35.4	37.3	30.7	43.6	1.5	1.7	179	190	87	86	W 2	W 2	7	8	☁ Beautiful day. ☁ p.
28	29.78	29.78	42.3	40.2	34.0	48.2	3.6	2.1	199	207	74	81	WNW 2	W 2	2	6	☁
29	29.72	29.73	45.1	39.4	38.7	50.8	2.3	2.7	248	190	83	79	W 2	WNW 1	7	2	☁ Cloudy, with ☁ showers.
30	29.80	29.87	40.2	30.2	29.7	43.7	3.3	1.8	185	143	74	73	N 2	Calm	0	6	☁
31	29.88	29.73	41.9	34.6	21.8	47.9	5.2	2.3	204	157	77	78	Calm	Calm	0	1	☁ Beautiful day.
Mean	29.687	29.679	41.1	37.6	32.3	46.9	2.2	1.7	216	195	83.1	84.2	1.7	1.2	5.3	3.9	1.055

PARSONSTOWN (BIRCH CASTLE).—MARCH 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.								Per-centage.
	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.		
1	ins.	ins.	50.2	50.4	46.9	53.6	0.6	0.4	348	356	96	97	SW 2	SW 3	10	10	ins. '051 ∞ a. Day dull, with ☉.
2	29.97	30.02	44.3	36.8	34.9	50.6	2.3	1.9	241	183	82	84	W 2	WSW 3	10	0	'058 Cool and squally. ☉ showers.
3	30.26	31	39.7	44.4	34.1	48.6	1.7	2.4	210	240	86	82	Calm	W 3	9	9	— '059 Cold and squally.
4	29	29.15	47.3	49.8	42.0	52.9	1.4	1.5	292	320	90	89	SW 3	W 3	10	10	'017 Squally, with ☉.
5	30.13	30.00	48.7	46.4	45.9	53.2	2.2	1.5	291	280	85	89	WSW 2	WSW 2	10	10	—
6	29.78	29.63	47.9	41.6	40.8	50.4	2.0	0.8	285	247	86	94	WSW 2	W 1	9	9	'120 Bright a.
7	51	48	39.6	28.5	28.2	44.7	1.6	0.5	211	142	87	91	Calm	Calm	9	0	'014
8	55	61	29.5	26.1	20.7	39.1	2.4	0.3	103	132	64	93	NE 1	Calm	0	0	—
9	63	53	30.7	31.3	22.8	40.8	1.4	1.5	138	140	80	79	Calm	NE 2	6	10	—
10	45	38	29.2	25.8	23.8	40.6	0.5	0.0	147	140	92	100	NE 2	Calm	0	9	—
11	40	46	36.6	27.3	17.3	42.6	0.0	1.3	145	109	100	75	Calm	Calm	0	0	—
12	57	65	30.7	27.3	19.2	42.9	0.9	0.7	148	127	87	86	Calm	Calm	0	0	—
13	74	75	27.9	28.9	17.8	46.0	1.0	0.3	122	151	80	95	Calm	Calm	0	1	—
14	70	54	34.9	35.1	21.2	48.8	1.8	0.1	167	203	82	99	Calm	Calm	0	10	—
15	00	28.84	38.0	35.8	34.0	45.6	1.1	0.6	206	199	90	95	WSW 1	SSW 2	0	1	'490 ☉ showers. ∞ ² p.
16	21	20.33	38.1	39.7	31.9	43.9	1.1	0.8	207	228	90	93	Calm	Calm	0	1	'164 Dull, with ☉ showers.
17	46	55	40.9	40.9	35.2	45.7	1.1	0.9	233	236	91	93	NE 1	NE 1	9	10	'034 ☉ n. Cool, with ☉.
18	72	80	44.0	39.9	39.4	51.9	2.0	0.7	244	231	84	95	NE 2	Calm	0	10	'020 Dull and cool, with ☉.
19	84	82	37.7	37.3	32.5	48.5	1.6	0.7	195	209	86	94	Calm	N 1	9	8	—
20	74	84	42.3	37.0	28.0	50.5	0.9	1.5	251	195	93	89	NNW 1	Calm	0	6	—
21	90	88	37.0	40.5	26.0	47.5	1.0	0.8	200	235	91	94	Calm	Calm	0	8	—
22	85	80	43.7	43.5	36.0	47.1	1.7	1.0	247	260	86	92	Calm	Calm	0	9	'018
23	78	71	43.7	40.9	37.6	51.3	0.9	0.6	265	243	92	95	WSW 1	SW 1	10	10	'025 Bright a.
24	60	47	45.3	47.1	35.9	50.1	1.4	1.4	270	290	89	90	SW 1	W 3	10	10	'026 Dark and gloomy, with ☉.
25	34	25	47.3	35.5	33.8	50.1	2.4	1.6	270	178	83	86	SW 3	W 2	8	3	'178 Bright a. Gusty, with ☉. ▲ ☉ ✱.
26	50	74	33.9	34.5	30.8	42.9	0.4	1.0	187	180	96	90	Calm	W 2	10	10	'110 Cold and cloudy, with ✱. ▲.
27	67	65	35.3	37.5	31.7	45.5	0.8	1.0	191	205	93	92	Calm	Calm	0	SW 3	—
28	81	81	43.1	40.9	32.5	47.1	3.2	1.2	212	231	76	91	NNW 1	W 1	1	10	—
29	77	77	45.8	40.3	37.0	52.1	2.1	0.4	261	242	85	97	NW 2	Calm	0	10	'046 Dull, with ☉ a. Cool and cloudy.
30	82	82	40.8	32.7	32.5	45.1	2.7	0.4	201	198	79	96	NW 1	Calm	0	0	—
31	29.81	29.63	40.8	39.5	22.8	51.3	3.9	2.6	181	192	71	79	SE 1	SE 3	0	10	'095
Mean	29.697	29.681	39.5	37.5	31.4	47.5	1.6	1.0	215	210	86.2	90.8	0.9	1.2	6.6	6.2	1.436

DUNROBIN CASTLE.—APRIL 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	42.0	40.2	34.5	42.0	2.6	2.5	.222	.200	81	81	E	E	—	—	ins.	Fine a. Cold p.
2	29.89	29.88	41.4	37.1	33.7	42.0	2.0	2.6	.203	.173	79	78	E	E	—	—	—	Clear and cold.
3	29.87	29.81	37.6	38.9	34.5	40.0	2.5	2.8	.179	.184	79	79	E	E	—	—	—	Clear and cold.
4	29.76	29.81	41.2	39.2	35.3	41.3	1.9	2.1	.219	.199	85	83	E	E	—	—	—	Clear and cold.
5	29.81	29.89	40.6	40.4	34.0	40.6	1.6	1.9	.219	.213	87	85	E	E	—	—	—	Clear and cold.
6	29.91	29.96	41.2	38.9	35.0	41.2	1.9	2.6	.219	.187	85	80	E	E	—	—	.040	Clear and cold.
7	30.05	30.11	40.4	36.1	34.7	41.3	2.0	2.3	.194	.171	78	79	NE	W	—	—	—	* showers.
8	29.19	29.21	45.4	37.6	36.1	46.3	3.1	2.3	.236	.182	78	80	NE	N	—	—	—	Clear and sunny, but cold.
9	29.19	29.21	43.9	40.6	31.3	44.5	2.4	2.3	.236	.207	82	82	NE	E	—	—	—	Clear and cold.
10	29.20	29.21	44.2	41.4	37.7	48.5	2.7	0.9	.232	.242	80	93	E	E	—	—	—	Fine and clear.
11	29.23	29.32	45.9	43.2	38.9	47.0	2.4	3.2	.226	.213	84	77	E	E	—	—	—	Fine and clear.
12	29.27	29.16	44.2	41.4	38.5	48.0	3.5	2.4	.216	.212	74	82	SE	E	—	—	—	Fine and clear.
13	29.10	29.12	43.4	40.2	38.2	44.3	2.9	1.9	.221	.211	78	85	E	E	—	—	—	Clear, with cold wind.
14	30.13	30.13	44.9	41.9	35.0	44.9	2.4	1.6	.245	.233	83	88	E	SE	—	—	.090	Fine and clear, with cold wind.
15	29.99	29.97	42.4	40.4	34.3	48.0	1.1	0.9	.248	.233	91	93	W	W	—	—	.200	Mild, with showers.
16	29.95	30.09	44.4	40.9	36.7	46.3	2.0	1.6	.230	.222	79	87	W	N	—	—	.060	
17	30.17	30.17	44.6	41.4	37.7	50.7	1.6	1.7	.228	.226	88	88	NW	W	—	—	—	
18	29.23	29.27	45.5	39.2	34.7	49.0	4.0	1.5	.249	.210	73	88	NE	NE	—	—	—	Fine day.
19	29.29	29.35	44.4	41.4	36.5	45.3	0.1	2.1	.290	.218	99	84	E	E	—	—	—	Fine day.
20	29.37	29.42	45.9	41.6	38.2	45.9	2.0	1.6	.245	.229	80	88	E	E	—	—	—	Fine day.
21	29.44	29.40	39.4	45.4	36.7	45.4	1.1	2.7	.220	.244	91	81	E	E	—	—	—	Dull day.
22	29.35	29.34	45.6	40.4	37.9	45.6	2.6	1.7	.248	.216	81	87	E	E	—	—	—	Fine and clear.
23	29.36	29.41	44.4	41.2	37.0	45.3	3.1	1.9	.226	.219	77	85	NE	NE	—	—	—	Fine, but with cold wind.
24	29.35	29.37	45.9	43.9	30.5	47.3	3.6	3.6	.232	.212	75	74	NE	NE	—	—	—	Fine a. Dull p.
25	30.16	30.09	44.9	43.4	38.9	51.5	1.9	1.7	.254	.245	86	87	W	NW	—	—	—	Fine and clear.
26	29.89	29.83	46.2	46.2	39.7	49.5	2.2	3.5	.263	.236	85	76	W	E	—	—	—	Fine day.
27	29.75	29.47	48.0	46.6	38.5	52.0	2.7	1.6	.270	.280	81	89	SW	SW	—	—	—	Fine and clear.
28	29.29	29.56	40.4	36.1	30.5	46.6	1.4	1.1	.222	.192	89	90	W	SW	—	—	.090	Blow, with showers.
29	29.54	29.42	39.9	41.2	35.7	43.3	2.6	2.2	.196	.213	79	83	W	NW	—	—	—	Fine day.
30	29.39	29.45	40.5	44.9	36.3	53.0	3.2	2.2	.277	.249	78	85	SW	SW	—	—	.060	Fine day. Milder.
Mean	30.035	30.040	43.7	41.0	35.9	45.9	2.4	2.1	.234	.216	82.2	83.9	—	—	—	—	0.540	

BRAEMAR.—APRIL 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

1	28°68	28°63	25°7	31°0	17°0	41°0	1°0	1°3	*106	*141	77	81	SE	0°5	E	0°5	7	1	°020	Fair and clear.
2	°62	°70	34°7	30°0	29°0	34°7	1°7	0°8	*168	*145	83	86	SE	2	E	1	10	10	°020	* all day.
3	°65	°64	31°5	32°7	28°8	35°0	0°8	0°2	*158	*182	89	98	SE	0°5	E	4	10	10	°320	
4	°53	°58	35°8	34°7	32°0	38°0	0°6	1°0	*199	*182	95	91	NE	2	NE	2	10	10	°270	* and * (sleet).
5	°54	°59	33°7	33°7	32°2	35°4	0°5	1°7	*184	*159	94	82	NE	2	NE	1	10	10	°270	Dull, with * showers.
6	°65	°72	34°0	32°4	31°0	34°2	1°3	1°4	*170	*153	86	83	NE	1	NE	0°5	10	10	°070	* and * (sleet).
7	°79	28°91	32°7	31°4	29°8	38°8	3°0	1°7	*125	*137	68	77	NE	1	NE	0°5	7	7	—	Fair and clear.
8	°90	29°00	36°5	35°9	30°8	42°0	3°8	2°9	*149	*158	69	75	NE	1	NE	1	5	8	—	Fair and clear.
9	°99	29°00	38°8	33°1	32°3	42°3	3°3	1°4	*175	*160	75	84	NE	0°5	SE	0°5	8	0	—	Fair and clear.
10	°99	28°98	36°9	36°7	28°2	44°8	2°2	2°8	*179	*167	82	77	SW	0°5	S	0°5	7	3	—	Fair and clear.
11	28°99	29°07	38°6	35°4	34°8	47°2	3°1	1°9	*177	*171	76	83	S	0°5	SE	0°5	6	0	—	Fair and clear.
12	29°03	28°93	35°8	36°0	23°0	43°3	4°1	0°9	*139	*195	65	92	SE	0°5	SE	0°5	2	8	—	
13	28°91	°91	36°6	32°7	32°7	43°0	2°9	1°3	*165	*159	76	85	SE	0°5	SE	0°5	8	0	—	
14	°91	°93	35°0	37°9	23°0	48°0	4°0	1°4	*133	*201	65	89	SE	0°5	SE	0°5	1	8	—	
15	°83	°81	38°8	38°4	28°8	45°4	1°8	1°9	*201	*195	85	85	SW	0°5	W	0°5	7	8	170	
16	°67	28°85	38°6	35°8	33°3	43°8	1°8	1°8	*199	*177	85	84	NW	1	N	1	8	3	200	* and * (sleet) showers.
17	°93	29°01	39°9	38°6	34°3	47°8	3°1	1°8	*187	*199	76	85	SE	1	W	0°5	5	7	°020	Fair and clear.
18	28°97	°60	41°4	39°6	37°0	47°0	3°7	2°1	*190	*203	73	83	N	1	E	1	5	7	—	Fine day.
19	29°03	°07	36°2	40°3	27°5	49°0	4°8	2°8	*132	*195	61	78	SE	0°5	SE	0°5	2	6	—	Fair and clear a. Dull p.
20	°13	°13	42°0	37°3	26°0	49°0	4°5	1°4	*182	*195	60	88	S	0°5	S	0°5	4	8	—	
21	°17	°12	38°2	39°0	30°5	45°9	2°0	2°2	*192	*195	84	83	E	0°5	E	0°5	9	9	—	Dull and cold.
22	°07	°08	39°2	35°7	34°0	47°2	3°2	0°3	*179	*203	75	98	NE	1	NE	0°5	7	5	—	* showers.
23	°09	°10	40°3	36°6	33°0	44°0	3°6	2°7	*182	*168	72	77	NE	1	NE	0°5	6	7	—	Dull and cold.
24	29°10	29°03	39°6	41°3	35°3	44°2	2°4	6°6	*197	*143	81	56	NE	1	NE	0°5	8	7	—	Dull and cold.
25	28°94	28°84	41°6	40°2	32°3	50°2	5°5	3°7	*163	*179	63	72	N	1	N	1	3	3	—	Clear and cold.
26	°70	°69	37°6	37°4	26°2	49°0	3°6	2°7	*160	*174	71	78	SW	0°5	NW	0°5	4	2	—	Fine day.
27	°53	°39	45°4	42°9	28°0	49°4	6°1	4°4	*183	*191	60	70	S	1	SW	0°5	6	8	—	Fine day.
28	°27	°38	38°6	34°7	33°2	43°4	3°9	4°6	*163	*131	70	60	W	1	SW	2	7	9	—	* showers.
29	°34	°23	38°4	36°6	30°8	41°5	4°7	0°9	*150	*199	61	92	SW	1	SW	0°5	7	8	—	Dull and damp.
30	28°22	28°30	44°6	45°6	34°0	54°2	3°8	4°1	*215	*220	73	72	SW	1	SW	0°5	7	8	270	Fine day.
Mean	28°806	28°820	37°6	36°5	30°3	44°0	3°0	2°2	*170	*176	75°4	81°5	—	0°9	—	0°8	6°5	6°3	1°630	

LAUDALE.—APRIL 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							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.	41.5	41.0	30.0	40.4	5.5	4.0	in.	in.	%	%	E	4	ESE	4	0	10	ins.	Fine day. ∞ p.
2	29.83	29.72	39.0	38.0	34.7	42.7	2.3	1.8	194	194	82	85	ESE	4	ESE	3	10	10	—	∞. Threatening appearance all day.
3	68	75	38.3	39.0	34.0	42.5	4.0	3.0	160	181	69	77	E	5	E	6	10	10	250	Squally. Very cold. ∞
4	48	55	44.3	42.2	35.9	44.9	3.6	2.0	215	210	74	79	SE	5	SSE	4	10	10	130	∞ a.
5	57	66	42.3	41.0	37.4	44.0	3.6	2.8	199	201	74	78	E	5	E	7	10	10	—	Threatening appearance all day.
6	29.75	29.88	42.7	39.0	29.7	45.5	3.6	2.7	202	186	74	79	E	5	E	3	10	10	—	all day.
7	30.01	30.11	41.1	33.7	31.2	44.9	6.4	2.2	145	151	57	78	NE	1	Calm	0	2	2	—	Fine day.
8	16	17	42.3	36.3	28.6	49.7	4.8	2.3	180	173	67	80	Calm	0	Calm	0	0	1	—	Fine all day. ☙
9	19	18	42.7	42.7	31.4	51.6	4.7	4.0	184	195	67	71	E	1	NW	1	2	1	—	∞.
10	15	11	44.0	43.0	37.3	50.7	4.3	1.7	200	210	69	86	SE	3	E	1	9	6	—	Cloudy a.
11	14	22	44.7	44.0	38.7	49.0	5.3	4.6	189	195	64	67	SE	1	SE	1	7	3	—	—
12	17	04	46.7	43.2	37.6	49.0	2.0	5.0	272	182	86	65	E	4	SE	3	2	4	—	Threatening appearance 11 a.—7 p.
13	01	10	44.5	43.7	38.0	49.0	5.0	3.3	193	216	66	75	Calm	0	Calm	0	8	10	—	—
14	12	12	43.1	39.0	57.0	48.5	2.1	2.0	233	199	83	84	Calm	0	Calm	0	10	0	100	Dull a. ☉ showers p.
15	30.05	10	47.7	42.7	36.0	52.0	0.8	1.8	311	235	94	85	Calm	0	Calm	0	0	0	250	Fine and clear. ☉ p.
16	29.98	11	46.0	41.0	40.2	52.2	3.3	3.0	238	197	77	77	NW	5	N	3	6	1	—	Fine and clear. ☙
17	30.17	17	45.0	39.7	31.0	50.9	4.2	2.7	211	192	71	78	Calm	0	Calm	0	1	0	—	Fine all day.
18	18	19	47.7	48.1	38.0	58.3	6.2	6.6	200	197	61	60	NNE	1	Calm	0	2	7	—	Fine and warm.
19	23	29	47.7	41.0	35.2	51.7	5.3	2.4	216	208	66	81	NE	1	Calm	0	5	4	—	Fine all day.
20	34	36	43.3	43.3	31.8	60.3	3.3	2.6	212	225	76	80	Calm	0	Calm	0	3	2	040	Fine and warm.
21	37	31	45.5	40.2	37.1	50.3	4.5	2.5	211	200	70	81	Calm	0	Calm	0	6	2	—	Fine and clear.
22	28	26	46.0	45.7	38.0	51.9	6.0	7.7	190	161	61	52	ENE	3	N	2	0	1	—	Fine all day.
23	30	31	47.7	43.0	31.7	54.4	6.1	4.0	201	197	62	71	E	3	E	3	0	0	—	Fine day. Very dry, east wind.
24	34	27	43.7	42.2	32.5	56.3	5.6	3.5	177	200	62	75	Calm	0	Calm	0	8	0	—	☙ a. Cloudy day.
25	30.19	30.07	44.5	40.9	38.5	50.7	4.2	2.9	207	198	71	78	Calm	0	N	1	8	0	—	Cloudy till 11 a., then clear.
26	29.96	29.82	43.7	40.7	34.0	52.7	5.0	3.3	186	190	65	75	Calm	0	Calm	0	10	2	—	Dull a. Fine p.
27	69	48	47.0	47.3	36.9	53.4	4.4	4.0	225	219	71	68	SW	3	SW	1	3	10	250	☉ showers all day.
28	45	64	43.0	36.8	33.0	48.7	5.3	2.5	177	172	63	79	N	5	N	2	7	10	090	☉ n. ☙ (gale). Cloudy and dull.
29	51	34	38.8	43.0	34.1	46.0	1.8	2.0	201	234	85	84	NE	2	Calm	0	10	10	150	Dull and cold.
30	29.39	29.38	49.0	46.7	40.7	56.0	3.3	2.0	270	272	77	86	Calm	0	Calm	0	10	10	140	☙☙☙ (mist) a. Day dull and mild.
Mean	29.98	29.96	44.1	41.6	34.6	50.2	4.2	3.2	205	200	70.9	76.1	2.0		1.5	5.7	5.1	1.800		

GLASGOW.—APRIL 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.			Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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. 29.07	ins. 29.57	36.3	40.2	29.3	45.7	4.1	3.2	142	187	66	75	E	1	E	1	0	10	ins. 0.30	Dull and cloudy.
2	53	58	38.2	36.8	35.4	42.1	2.9	2.4	176	174	76	80	E	1	E	1	10	10	0.10	Overcast. ☉.
3	53	46	37.5	38.9	34.0	40.5	3.9	3.4	154	174	69	74	E	1	E	1	10	10	0.28	Overcast.
4	41	41	42.6	40.3	38.6	44.0	2.4	1.8	223	214	82	86	SE	1	E	1	10	10	0.100	Overcast with ☉.
5	40	47	40.7	38.6	37.8	41.5	2.1	1.4	211	206	84	89	E	2	E	3	10	10	0.357	Overcast, with ☉.
6	58	70	39.7	36.1	35.8	40.4	1.2	1.0	219	193	90	91	NE	1	NE	1	10	10	0.008	Overcast, with ☉.
7	80	91	38.4	38.5	34.9	43.4	4.7	2.3	149	188	64	82	NE	1	NE	1	9	9	—	—
8	29.95	29.98	41.2	42.3	31.8	46.4	5.2	4.3	163	186	63	70	N	1	NE	1	7	8	—	—
9	30.01	30.04	41.6	40.3	35.3	45.4	4.5	3.2	178	188	68	75	NE	1	NE	1	10	10	—	Dull and overcast a. and p. Fine after- noon.
10	01	29.96	44.0	45.3	37.9	49.9	3.1	4.7	223	205	76	68	E	1	SE	1	8	10	—	Dull and cloudy.
11	00	30.07	45.3	40.6	35.5	51.5	6.2	1.3	180	226	59	90	E	1	NE	1	7	8	—	Fine day.
12	30.05	29.91	43.7	42.9	36.0	46.6	4.8	4.5	189	188	66	69	E	2	S	1	5	10	—	Dull and cloudy.
13	29.88	29.94	41.0	40.0	35.4	45.6	3.5	2.8	188	193	74	78	E	1	E	1	7	10	—	Dull and overcast.
14	96	95	42.4	41.0	36.7	50.6	4.3	1.5	187	225	70	88	N	1	SW	1	9	4	0.38	Dull and cloudy.
15	91	90	42.9	42.4	36.2	51.8	0.7	2.3	261	223	94	83	W	1	W	1	7	10	0.47	☉.
16	75	91	47.7	42.6	41.1	51.6	5.2	5.0	218	178	67	66	NW	2	NE	1	7	0	—	—
17	29.98	29.97	44.4	45.2	33.8	54.2	5.3	4.1	187	215	64	72	NW	1	E	1	3	0	—	—
18	30.01	30.04	45.0	41.6	35.1	52.9	4.0	3.7	215	190	72	73	E	1	E	1	7	4	—	—
19	08	12	43.7	40.2	36.0	49.5	3.6	3.0	211	190	74	76	E	1	E	1	6	0	—	Dull and cloudy.
20	20	20	41.1	40.5	34.8	52.3	2.6	2.0	205	212	80	85	E	1	E	1	4	2	—	—
21	19	13	44.3	38.6	32.7	49.1	4.8	1.4	195	206	67	89	E	1	NE	1	6	0	—	Cloudy day. Clear evening.
22	08	09	44.3	40.2	36.7	49.3	4.4	2.0	202	208	69	84	E	1	E	1	8	0	—	—
23	12	13	45.6	41.6	36.7	49.6	6.1	3.6	184	192	61	74	E	1	NE	1	7	9	—	—
24	14	30.07	44.2	44.4	40.3	49.7	6.8	3.2	162	225	55	76	NE	1	NE	1	10	10	—	Dull and overcast.
25	30.00	29.88	46.7	40.1	40.1	53.6	6.6	3.2	186	186	78	75	W	1	W	1	8	0	—	Cloudy day. Clear evening.
26	29.77	29.66	45.5	41.9	34.1	53.5	3.7	3.9	225	189	74	73	SW	1	SW	1	6	5	—	Cloudy day.
27	55	37	44.7	44.6	35.5	53.1	5.1	3.9	193	214	65	72	NE	1	S	1	10	9	0.020	Dull and overcast.
28	35	45	44.9	38.7	38.1	48.8	5.9	4.3	182	158	61	67	W	1	W	1	6	7	—	Cloudy day.
29	35	20	44.7	42.0	37.1	46.2	4.7	0.8	199	249	68	94	S	1	NE	1	10	10	0.118	Overcast, with ☉.
30	29.26	29.23	40.6	40.3	41.6	55.4	3.5	2.3	271	294	76	84	SW	1	SE	1	8	10	0.490	Dull and cloudy.
Mean	29.817	29.809	43.1	41.2	36.2	44.5	4.2	2.9	196	203	70.4	78.6	1.1	1.1	1.1	1.1	7.5	6.8	1.476	

WOLFELEE.—APRIL 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

1	29.26	29.16	27.7	35.2	18.0	48.0	0.4	2.4	139	150	92	78	NE	NE	—	—	120	☉ (mist) a. Dull and blowy p.
2	10	14	37.0	34.7	32.0	41.0	2.2	1.9	179	164	81	81	SE	E	—	—	030	Cold a. Dull and blowy.
3	11	08	34.2	37.0	31.0	41.5	1.4	0.7	170	206	85	94	SE	SE	—	—	090	Cold a. Dull and blowy.
4	29.01	00	40.5	39.0	36.0	42.0	1.4	1.4	222	210	89	89	SSE	SH	—	—	110	☉ a. Dull and blowy.
5	28.98	02	37.0	37.0	36.0	39.5	0.7	1.2	206	196	94	89	E	NE	—	—	090	Cold with ☉ a. ☉ p.
6	29.10	20	38.5	35.2	34.0	40.5	1.4	1.4	205	170	88	87	NE	NE	—	—	030	Dull and cold a. Dull, with ☉ showers
7	28	40	35.2	33.2	31.5	42.0	4.4	0.4	129	181	63	95	NE	NE	—	—	060	Cold and blowy a. Cloudy p.
8	40	45	37.5	36.2	30.0	44.0	0.9	0.4	207	206	92	96	NE	NE	—	—	090	Cold with ☉.
9	53	57	39.0	37.5	35.0	44.0	2.7	1.7	186	191	79	85	E	E	—	—	—	Dull day.
10	57	53	43.0	39.0	34.0	52.0	2.9	1.9	217	201	79	85	SE	SSE	—	—	—	Fine a. Dull and blowy p.
11	55	59	43.5	38.0	36.0	50.0	4.4	1.7	194	195	69	85	SSE	SE	—	—	—	Fine and bright a. Dull p.
12	57	49	40.5	35.2	28.0	46.5	2.4	1.4	204	179	81	87	NE	SE	—	—	—	Fine day.
13	44	48	39.5	34.2	27.0	49.0	3.2	1.4	181	170	75	85	SE	SE	—	—	—	Fine and clear.
14	50	49	37.5	37.0	22.5	51.0	5.2	1.2	136	196	60	89	SSE	SE	—	—	—	Fine and clear.
15	45	43	44.5	42.5	30.0	55.0	3.4	2.9	221	213	75	78	SW	SW	—	—	—	Fine and clear.
16	129	38	40.0	39.0	37.0	56.2	1.9	2.7	207	186	87	79	NW	NW	—	—	040	Dull and blowy a.
17	51	52	42.0	41.0	29.0	54.0	3.9	1.4	192	227	73	89	NNE	NW	—	—	—	Dull and cloudy a.
18	53	57	43.5	33.7	28.0	51.0	2.9	0.9	221	175	78	90	NE	NE	—	—	—	Fine and clear.
19	61	65	40.5	31.7	23.0	47.5	3.4	2.4	186	126	74	70	NE	E	—	—	—	Clear and frosty.
20	69	73	37.0	33.2	28.0	51.0	0.7	1.4	206	161	94	84	N	NE	—	—	—	Dull a. Clear and frosty p.
21	71	65	39.5	33.7	24.0	46.5	1.9	1.9	205	155	85	80	NE	NE	—	—	030	Dull and cold a. Fine p.
22	59	63	40.5	34.2	27.0	50.0	2.4	0.9	204	180	81	90	NE	NE	—	—	—	Dull a. Fine, but cold p.
23	63	63	42.0	40.0	31.0	50.0	2.9	2.4	209	200	79	81	NE	NE	—	—	010	Dull and blowy a. ☉ showers p.
24	63	60	43.0	39.5	36.0	48.8	4.4	1.4	191	214	69	89	NE	NE	—	—	—	Dull a. Fine p.
25	54	42	43.0	41.0	36.0	53.0	3.4	2.9	208	199	75	78	NW	NW	—	—	—	Dull a. Cloudy p.
26	34	23	45.0	37.0	28.0	53.5	5.9	2.2	183	179	61	81	NW	NW	—	—	—	Fine day.
27	29.13	07	44.0	39.0	33.0	57.5	4.4	2.4	198	192	69	81	SW	W	—	—	—	Fine p.
28	28.88	29.00	44.5	36.2	35.0	52.0	5.4	3.4	186	153	63	71	NW	NW	—	—	—	Fine a. ☉ p.
29	94	28.76	43.5	44.0	31.5	47.5	3.9	1.4	203	257	72	89	W	W	—	—	210	Fine and mild a. ☉ showers p.
30	28.85	28.85	48.0	48.5	30.0	59.0	2.4	1.9	276	294	83	86	W	SW	—	—	660	
Mean	29.357	29.357	40.6	37.4	30.9	48.8	2.9	1.7	198	191	78.2	84.7	—	—	—	—	1.570	

SCARBOROUGH.—APRIL 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.					
							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.	38.5	37.9	29.8	42.4	2.2	1.0	191	207	82	92	SE	1	SE	2	3	10	ins.	Brilliant day.	
2	67	63	39.1	36.4	36.4	39.4	1.5	1.7	1208	182	88	85	SE	4	SE	5	10	10	—	Cold wind.	
3	60	60	37.6	40.6	35.2	40.6	2.7	1.2	175	227	78	90	SE	3	SE	3	8	10	—		
4	61	40	39.7	40.5	37.8	40.8	0.8	1.2	228	226	93	90	SE	4	E	3	10	10	170		
5	42	46	38.9	39.9	38.1	41.0	0.6	0.2	225	241	95	99	E	5	E	4	10	10	520	Stormy, with ☉ all day.	
6	51	60	39.3	37.9	37.3	39.9	0.2	1.0	236	208	99	92	E	4	E	4	10	10	—	Dull and cold.	
7	67	79	39.5	39.0	37.3	42.6	2.2	2.4	199	192	82	81	NE	5	NE	5	7	3	140	Bright, with cold ☉ showers.	
8	73	29.79	38.4	38.7	35.3	39.7	0.4	0.4	225	227	97	97	N	7	NE	5	10	10	160	Stormy, with ☉.	
9	29.93	30.01	40.0	40.1	38.3	40.8	1.1	0.4	225	239	91	97	NE	4	NE	3	10	10	—	Dull and cold.	
10	30.04	05	41.4	39.7	39.0	45.2	0.5	0.7	250	230	96	94	E	1	NE	2	10	5	—	Dull, then fine.	
11	04	30.06	45.2	39.7	36.5	45.2	0.1	0.9	299	225	100	92	NE	3	NE	1	1	0	—	Brilliant day.	
12	30.05	29.99	41.7	39.2	39.0	47.0	1.6	1.2	231	215	88	90	NE	2	NE	1	8	3	—	Fine and bright.	
13	29.92	94	39.7	39.7	37.5	44.5	2.8	1.8	190	208	77	85	NE	2	N	1	10	2	010	Very fine.	
14	94	98	41.1	40.5	37.3	42.6	1.5	0.8	225	235	88	94	NE	2	N	1	10	10	020	Dull and raw.	
15	96	92	44.7	45.9	36.0	49.2	1.8	0.4	254	223	87	72	SW	1	SW	2	1	10	030	Fine and bright. ☉ showers.	
16	93	29.78	49.6	39.7	38.5	53.7	3.3	0.6	225	231	78	95	W	3	NW	4	5	6	320	☉ showers. ☉ in evening.	
17	29.92	30.00	43.8	39.2	37.6	45.9	2.3	1.4	235	212	82	88	N	5	W	1	3	0	—	Brilliant day, with cold wind.	
18	30.00	05	45.7	41.5	35.3	46.3	3.0	1.2	240	237	79	90	NW	3	N	2	5	6	—	Very fine.	
19	09	14	42.7	39.8	36.1	46.3	1.5	0.9	241	226	88	93	N	4	N	1	4	3	010	Brilliant day.	
20	17	20	45.9	40.2	32.7	46.3	2.6	0.7	250	234	82	94	N	2	NE	3	5	10	130	Fine a. then ☉.	
21	19	14	42.2	40.9	37.7	45.1	1.4	1.6	238	222	90	87	N	3	NE	2	7	8	—	Fine day.	
22	07	05	41.6	41.7	39.3	48.0	1.2	1.7	238	229	91	87	N	2	NE	2	6	0	—	Cloudy a. Brilliant afternoon.	
23	06	07	46.5	41.3	40.0	47.0	2.9	2.7	250	205	80	79	NE	2	NE	2	0	7	010	Brilliant day, with cold wind.	
24	06	30.03	43.9	42.4	39.6	46.6	2.1	1.3	240	242	84	90	N	3	N	2	7	7	010	Fine but with cold wind.	
25	30.02	29.93	43.4	38.0	36.5	47.3	2.8	2.1	222	188	79	82	N	3	N	1	9	0	—	Fine but cold.	
26	29.84	75	45.8	39.7	32.5	49.5	4.7	1.8	238	208	69	85	NE	2	NE	3	2	5	—	Brilliant a. Fine day.	
27	68	51	45.9	41.7	34.5	50.1	4.1	1.4	221	234	72	89	SE	3	SE	1	3	0	—	Brilliant day.	
28	35	47	49.4	43.7	40.3	56.1	3.6	6.4	267	195	76	57	SW	2	SW	3	0	0	—	Brilliant day.	
29	50	31	44.7	46.9	36.5	56.8	3.4	2.1	223	272	75	86	SE	3	SW	1	10	10	060	Fair, then ☉.	
30	29.35	29.40	51.4	55.5	44.6	60.7	1.0	2.3	353	346	93	84	SW	1	SW	3	7	9	150	Fine a. and in evening. ☉ in after- noon.	
Mean	29.831	29.828	43.0	40.9	37.1	46.2	2.0	1.6	236	225	85.3	87.9	3.0	2.4	6.4	6.1	1.750				

STONYHURST.—APRIL 1891.

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.

Day.	Barometer at 32° Fah.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.	37.4	39.2	29.9	43.9	2.6	3.1	176	181	78	79	NEBYN1	ESE 1	0	10	ins.	∞ a. Overcast and gloomy p.
2	33	32	34.4	36.5	33.9	40.0	0.9	1.8	181	183	91	84	EbyS 3	EbyS 2	10	10	10	✱ a. Overcast. ∞ p.
3	26	27	38.6	39.1	35.0	44.9	3.7	1.7	166	206	71	86	E 4	E 3	8	10	297	Overcast. ∞ in evening.
4	26	15	39.9	41.1	38.2	46.2	1.0	1.2	226	232	92	90	E 2	NE 3	10	10	199	∞ a. and p. Overcast.
5	12	18	42.1	41.8	39.2	44.2	1.6	0.8	234	247	88	94	ENE 2	NE 1	10	10	10	Overcast and gloomy. ∞ p.
6	25	36	41.5	37.9	37.3	43.0	1.3	1.7	234	195	90	86	ENE 1	NEBYE1	10	10	10	Overcast. ∞ p.
7	47	62	39.4	36.2	35.0	45.1	3.8	2.8	171	163	71	76	NNE 2	NE 1	9	1	1010	Overcast and cloudy.
8	56	61	38.5	39.0	32.0	42.3	2.0	2.5	194	190	84	81	NNW 2	N 3	10	10	—	✱ 7.30 a. Overcast day.
9	71	77	41.0	40.2	37.3	45.9	3.5	2.2	189	205	74	83	NEBYN2	NNE 1	10	10	—	Cloudy a. Overcast p.
10	80	78	44.0	42.7	38.4	50.0	2.9	3.2	226	209	78	77	NEBYE1	NNE 1	10	10	—	Overcast and cloudy.
11	79	82	42.0	39.1	34.1	48.0	3.6	2.9	197	184	74	77	E 2	NbyE 1	3	1	—	Sunny, then cloudy a. Overcast p.
12	81	75	44.2	37.7	34.1	46.5	4.2	2.2	203	185	70	81	NEBYE1	Calm 0	6	7	—	Cloudy and overcast. [Clear evening.
13	68	73	42.0	40.1	32.9	45.3	4.1	3.6	188	180	71	72	E 1	Calm 0	4	9	—	Cloudy, with ∞ a. Overcast and
14	76	77	42.9	40.7	31.5	48.7	3.8	1.9	200	215	73	85	Calm 0	Calm 0	2	10	—	Sunny, then overcast. [threatening p.
15	77	77	43.4	43.5	37.7	50.5	1.2	2.5	255	229	91	80	SSW 1	WhyS 1	10	10	10	∞ a. Overcast and cloudy. Cir. p.
16	60	66	47.0	42.1	41.2	48.8	1.8	3.2	280	204	87	76	WSW 5	WhyN3	10	3	10	Overcast, with ∞ a. Sunny and squally
17	78	80	43.5	37.7	35.8	50.6	5.3	2.2	179	185	63	81	Nwb.N2	Calm 0	3	7	—	∞ a. Overcast and gloomy p.
18	70	80	41.7	37.7	29.9	49.2	5.2	1.6	201	195	77	86	NNW 1	NNE 1	0	6	—	Overcast and cloudy.
19	84	89	44.3	42.6	34.0	49.8	4.1	4.5	207	187	70	70	NE 1	NE 1	5	10	—	Overcast and cloudy.
20	94	96	43.8	37.2	31.3	47.5	4.3	1.3	199	196	70	88	NbyE 1	NbyE 1	7	7	—	Overcast and cloudy.
21	93	88	40.6	39.1	34.9	46.6	1.6	2.5	219	191	87	80	NEBYN1	NE 2	10	7	—	Overcast and threatening a.
22	81	79	41.7	40.8	34.8	48.9	3.0	3.2	205	193	78	76	NEBYE3	NbyE 2	4	0	—	Overcast and cloudy. Clear evening.
23	82	86	43.4	37.1	33.6	51.6	6.5	2.4	192	176	59	80	NEBYN3	NbyE 1	2	0	—	Sunny, then cloudy. Clear evening.
24	87	85	43.1	42.5	34.9	48.3	3.4	3.4	209	204	75	75	NbyE 1	NNE 1	10	10	10	Overcast and cloudy.
25	82	71	44.6	41.6	39.2	50.7	6.5	3.7	170	191	58	74	N 1	Calm 0	10	4	—	Overcast.
26	62	49	46.0	45.2	32.0	51.8	3.8	5.6	229	190	74	63	Calm 0	Calm 0	7	10	—	Overcast.
27	41	23	46.3	48.5	38.4	54.8	4.8	5.4	213	222	68	65	EbyS 1	Calm 0	10	10	—	∞ a. Overcast.
28	18	31	47.0	39.3	36.3	49.2	4.0	3.3	233	178	73	75	WSW 3	WhyS 1	10	8	10	Overcast, then clear a. Sunny p.
29	22	09	41.1	44.4	36.1	52.6	1.1	4.4	234	202	91	69	SE 1	swbys 2	10	10	10	Overcast, with ∞ p.
30	29.15	29.16	48.1	51.6	43.0	54.9	0.3	1.7	329	338	98	88	SW 2	swbys 1	10	10	10	Overcast.
Mean	29.598	29.593	42.6	40.7	35.4	48.0	3.1	2.8	211	202	77.5	79.1	1.7	1.2	7.3	7.7	2.069	

HILLINGTON.—APRIL 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

1	29°88	29°76	41°5	36°0	25°8	51°0	3°6	1°1	192	189	74	90	SE 2	SE 1	0	10	—	∞ ² a. Very fine and sunny.
2	73	69	43°2	36°4	33°0	48°4	4°5	1°2	190	191	68	90	SE 3	SE 4	5	10	—	Cloudy and cold.
3	57	69	40°5	39°1	34°1	40°8	3°3	1°3	188	213	75	89	E 4	E 3	10	0	—	Cloudy and cold.
4	66	46	45°2	43°0	35°8	51°3	2°7	1°3	241	248	81	90	SE 3	SE 3	0	10	174	Cloudy a. Overcast p. [● ² sp.
5	46	48	44°6	45°9	42°1	51°4	0°8	0°6	276	295	94	96	S 1	ESE 2	10	10	177	Overcast all day, with ● showers.
6	59	55	48°0	41°5	41°5	51°0	0°8	0°5	315	251	94	96	SW 2	NE 1	10	10	128	Overcast all day. ● ⁹ showers.
7	61	81	39°0	37°5	37°5	44°8	0°2	1°4	233	197	98	88	NE 4	NW 4	10	6	1037	Overcast all day. ● ⁹ showers.
8	74	29°72	38°3	40°1	33°9	42°4	1°6	0°9	199	229	87	93	NW 2	N 2	10	10	1070	Gloomy and overcast all day, with ● ⁹ .
9	29°89	30°01	39°8	39°5	37°8	42°3	0°5	1°2	234	218	96	90	NE 4	NE 2	10	10	—	Overcast and cold all day.
10	30°07	30°07	42°8	37°2	37°2	48°9	1°0	1°0	253	202	92	91	E 1	E 1	10	0	—	Overcast a. Sunny p.
11	05	07	42°0	35°1	32°8	50°4	1°2	1°1	240	182	91	89	E 3	E 1	10	0	018	— a. Cloudy, but sunny.
12	30°06	30°05	40°8	37°0	34°5	49°0	0°9	1°8	236	186	93	85	NE 3	NE 2	10	0	020	
13	29°98	29°99	41°3	35°4	31°7	48°9	2°8	1°1	204	184	79	90	NE 1	NE 1	8	4	—	[showers.]
14	30°01	30°04	40°2	40°0	32°8	45°4	0°9	1°2	230	222	92	90	NW 2	NW 1	10	6	007	Overcast and cold all day. ●
15	00	30°04	45°0	43°1	37°6	56°2	2°9	1°9	236	237	79	85	NW 1	W 1	8	5	040	Sunny 11a.—2p., then overcast.
16	00	29°85	48°6	42°6	37°9	54°2	1°7	2°5	301	221	88	82	SW 3	NW 4	8	4	—	Blustering wind.
17	00	30°08	43°0	37°2	37°1	52°2	2°7	0°5	221	212	80	95	N 4	N 1	10	0	—	[wind.]
18	09	10	46°8	38°5	31°2	52°5	4°0	1°6	231	202	73	87	N 1	N 1	6	4	—	Very fine and sunny, but with cold
19	12	17	43°2	38°3	29°0	49°6	4°4	1°1	192	210	69	91	NE 2	E 3	10	10	—	∞ ² a. Cloudy and sunny.
20	23	22	44°2	38°2	35°8	49°5	3°3	0°5	220	220	75	96	NE 1	NE 1	10	7	—	Remarkable mixed cirrus clouds 4p.
21	30	14	47°1	38°1	38°1	50°7	3°9	1°2	236	205	73	89	NE 3	NE 4	5	6	—	Fine and sunny. Swallow seen.
22	07	03	46°9	41°6	37°1	51°0	3°0	1°4	252	233	80	90	E 2	SE 3	5	8	—	Sunny till 5p., then cloudy.
23	05	09	49°5	38°2	38°2	52°9	4°8	1°4	242	203	69	88	ENE 4	NE 2	0	0	—	Gloriously sunny day, but with chilly
24	09	09	46°1	41°2	30°8	48°5	4°4	2°3	217	211	70	82	NE 4	NE 2	8	2	—	[Nightingale heard.]
25	30°05	30°00	45°5	34°0	34°0	52°0	3°8	0°1	224	193	73	99	NE 2	NE 1	10	0	—	Cloudy, then sunny. ∞ ² . U 11.30p.
26	29°93	29°83	44°8	37°2	29°2	49°6	3°4	1°4	224	191	76	87	SE 1	SE 2	8	0	—	Sunny, then cloudy.
27	74	54	50°1	44°3	28°5	58°5	5°2	1°4	241	259	67	89	SE 2	SE 2	4	0	—	∞ ² a. Much cir. all day.
28	41	58	55°7	43°9	34°8	62°4	8°0	4°2	248	202	56	71	NW 1	NW 2	2	0	—	Very fine and sunny. Much cir. p.
29	65	46	49°5	51°2	32°2	55°4	5°9	1°5	223	238	63	90	SW 1	SW 5	10	10	122	Overcast nearly all day.
30	29°51	29°58	53°7	56°1	48°2	65°4	0°3	2°4	404	379	98	84	SW 3	WSW 4	10	10	010	● ⁹ a. Cuckoo heard.
Mean	29°884	29°872	44°9	40°2	35°0	50°9	2°9	1°4	238	224	80°1	89°1	2°3	2°2	7°6	5°1	0°743	

CHURCHSTOKE.—APRIL 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	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.	40.1	40.7	25.3	48.1	4.7	6.2	162	145	64	57	NW 3	S 2	6	10	ins. 296	∞. Threatening and raw.
2	29.29	29.03	36.5	33.9	33.8	41.3	0.8	1.0	199	174	93	89	SSE 3	SE 4	10	10	100	Cold wind, with ☼.
3	28.98	28.98	39.0	42.8	32.0	43.1	2.3	0.9	193	255	82	93	SE 4	SE 6	9	10	270	Cold ☼ showers.
4	29.02	.04	48.7	40.3	38.4	53.3	2.0	0.9	204	231	86	93	SSE 3	SE 2	8	8	350	Bright day. ☼ ² p.
5	28.01	28.97	45.9	43.6	38.8	56.6	1.2	1.2	280	257	93	90	SE 1	SW 1	10	5	070	☼ showers.
6	29.08	29.12	45.9	40.6	39.4	56.3	2.0	0.9	263	234	86	93	W 2	ENE 2	9	10	110	☼ showers.
7	.25	.42	36.1	37.3	35.1	41.1	1.2	2.4	188	177	89	80	NNE 3	NE 2	10	10	—	Raw and gloomy.
8	.41	.42	36.5	37.3	39.0	38.7	2.4	1.0	171	203	79	92	NNW 3	NNE 2	10	10	286	Cold wind, with ☼ ² .
9	.49	.57	37.8	40.0	36.0	40.8	1.6	1.6	196	214	87	87	NNE 3	N 1	10	10	—	Gloomy and overcast.
10	.59	.55	41.6	40.2	37.8	44.0	1.7	0.3	227	242	87	97	E 1	Calm 0	10	10	—	Dull and overcast. ∞ Cuckoo seen.
11	.55	.57	41.6	41.8	35.4	47.3	3.5	2.7	194	209	75	80	E 1	E 2	4	8	—	—
12	.60	.54	38.8	34.9	27.0	46.5	2.0	1.8	182	168	78	82	NE 1	Calm 0	2	0	—	☼ ⁰ ☼ ⁰ (sleet).
13	.42	.53	41.1	38.8	32.8	49.6	2.2	0.9	213	218	82	93	SE 2	SE 1	10	10	012	Cool, with ∞.
14	.57	.60	39.8	40.3	37.0	49.1	1.4	1.9	217	212	89	85	SE 1	NW 2	10	9	035	Dull, with ☼ ⁰ .
15	.61	.63	45.6	40.8	31.8	53.6	2.7	1.9	245	216	81	85	W 2	W 1	9	1	002	Breezy and warm.
16	.59	.53	47.9	42.8	39.2	50.9	3.0	1.1	263	351	80	92	NW 2	NW 3	9	2	054	Fresh, with ☼ showers.
17	.61	.62	45.0	34.9	32.2	54.5	5.6	2.5	187	156	62	76	NW 1	NW 1	4	0	—	Bright and fresh.
18	.58	.56	41.8	41.6	28.0	56.0	2.9	1.9	206	224	79	86	NW 1	SE 2	3	9	—	∞ a. Bright, with cold wind.
19	.60	.66	40.8	39.8	35.9	48.7	2.4	3.7	207	176	81	72	E 2	E 1	10	9	—	Dull, cold, and variable.
20	.73	.72	38.8	39.8	30.5	43.2	2.7	2.6	185	194	79	80	E 2	Calm 0	10	9	—	Dull, cold, and variable.
21	.69	.60	39.3	39.0	30.2	48.7	1.2	0.8	216	221	91	94	ENE 1	SSE 2	10	10	535	Cold, with ∞. ☼ ² sp.—mid.
22	.55	.51	38.7	39.0	34.8	48.7	1.7	3.7	202	170	86	72	E 2	E 2	10	5	—	Dull and raw.
23	.54	.58	40.5	39.0	36.7	53.1	5.1	3.9	208	166	66	71	ENE 4	E 2	1	0	—	Bright, cold, and breezy. House-martins seen.
24	.63	.62	40.3	41.8	28.8	48.4	3.4	2.9	184	206	73	79	NE 3	E 1	9	10	—	—
25	.60	.52	43.8	41.8	37.2	46.7	5.0	4.2	187	184	65	71	E 2	E 1	10	10	—	Dull and overcast.
26	.41	.28	44.3	37.3	30.0	52.6	5.4	1.2	184	199	63	90	ENE 1	Calm 0	5	0	—	Bright and warm.
27	.18	.13	44.8	42.5	34.9	57.2	3.9	1.6	215	238	72	87	SE 2	Calm 0	8	9	—	∞. Cuckoo heard. Swallow seen.
28	.01	29.16	49.5	40.1	32.0	50.8	4.6	3.2	247	186	70	74	WNW 2	NW 1	3	9	—	Mild and overcast.
29	.06	28.95	52.0	47.9	37.0	59.1	3.1	1.5	307	296	79	90	SW 3	W 4	5	10	120	☼. ☼ ² sp.
30	29.01	29.04	53.7	52.0	47.0	61.9	1.9	1.8	360	340	88	87	W 3	W 4	10	7	256	Mild, with ☼ ☼ ² showers.
Mean	29.386	29.384	42.7	40.4	34.1	49.7	2.8	2.1	219	212	79.5	83.9	2.1	1.7	7.8	7.2	2.460	

MARGATE.—APRIL 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	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	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	1	7	0	ins.	—	Fine day.
2	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Dull day.
3	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
4	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
5	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
6	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
7	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
8	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
9	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
10	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
11	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
12	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
13	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
14	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
15	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
16	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
17	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
18	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
19	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
20	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
21	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
22	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
23	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
24	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
25	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
26	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
27	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
28	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
29	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
30	29.85	29.83	39.5	36.8	30.4	48.8	0.5	1.8	194	184	80	85	S	1	S	2	0	10	—	—	Fine day.
Mean	29.883	29.879	44.1	43.0	37.3	48.7	2.4	1.8	239	241	82.5	85.9	1.6	1.6	6.7	5.7	0.300				

SOUTHAMPTON.—APRIL 1891.

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.

1	29.86	29.78	41.1	39.4	27.6	48.6	2.6	2.2	205	199	80	83	SSE 1.5	SE 2	9	10	—	early a. Beautiful day.
2	29.86	29.78	43.3	38.6	38.3	47.1	3.4	1.4	210	207	75	80	SE 2	ESE 3	10	10	—	from 6p.
3	29.86	29.78	43.1	43.9	38.0	47.6	1.8	1.1	239	263	85	91	ESE 3	SE 2.5	10	10	—	Dull and cold a. p.
4	29.86	29.78	46.9	44.0	43.5	53.6	0.2	0.5	316	277	99	96	SE 1	SE 1	10	2	640	a. and p. Fine evening.
5	29.86	29.78	47.4	46.0	40.4	54.6	0.4	1.7	317	281	97	88	SW 2	SW 2	10	10	—	2 till 8a. Beautiful day.
6	29.86	29.78	45.2	43.0	40.1	51.7	1.0	0.3	278	270	93	98	SW 1	NE 1	8	10	—	Fine afternoon. ☁ 9p.
7	29.86	29.78	41.6	40.7	40.0	45.3	1.4	1.9	233	215	90	85	N 3	NE 3.5	10	10	—	Dull, cold, and dry.
8	29.86	29.78	45.4	40.3	33.6	49.3	5.4	0.9	194	231	64	93	NNW 3	NW 2	1	10	—	Beautiful day, but with cold wind.
9	29.86	29.78	41.1	41.7	38.3	44.8	1.1	0.8	234	248	91	94	NE 2.5	NE 2	10	10	—	Dull and raw, with 0 showers.
10	29.86	29.78	42.2	46.1	40.6	52.1	1.9	2.9	239	247	86	79	NNE 2	E 1	10	10	—	
11	29.86	29.78	41.2	41.2	37.0	53.8	1.5	3.0	227	300	89	77	NE 2	NE 1.5	10	1	—	Beautiful day.
12	29.86	29.78	47.2	42.7	34.6	53.0	4.1	2.7	233	218	73	80	NNE 3	NE 1	1	10	—	Beautiful day.
13	29.86	29.78	44.2	41.8	36.2	45.7	3.2	2.0	222	225	76	85	SE 3	SW 0.5	10	10	—	
14	29.86	29.78	45.0	44.5	37.7	49.6	1.8	2.0	257	249	86	85	NNW 2	Calm 0	10	10	—	
15	29.86	29.78	46.9	46.3	38.8	60.5	3.0	1.3	253	283	80	91	NW 1.5	WSW 0.5	7	0	070	Fine a. ☁ 2.50p.—3.10p.
16	29.86	29.78	56.0	47.6	40.2	58.1	5.9	2.6	297	268	66	82	NW 3	NW 3.5	4	7	—	Beautiful day throughout.
17	29.86	29.78	50.0	45.9	39.1	60.3	5.5	2.6	236	252	66	82	NNE 3	SW 1	0	0	—	Beautiful day throughout.
18	29.86	29.78	49.1	43.6	34.6	53.6	4.4	1.7	248	247	71	87	SE 1	SE 1.5	9	10	—	Beautiful day.
19	29.86	29.78	45.7	43.2	36.4	53.6	3.5	2.4	231	228	75	82	ENE 1	ENE 3	10	0	—	Beautiful day, but with cold wind.
20	29.86	29.78	51.2	42.8	37.2	52.9	5.1	2.0	256	233	68	85	ENE 3	NE 1	3	3	—	Beautiful day, but with cold wind.
21	29.86	29.78	52.2	46.6	37.7	50.2	4.0	5.3	279	243	74	77	NE 2	ENE 3	7	1	—	Beautiful morning. [Large ☁ 9p.
22	29.86	29.78	47.4	44.6	39.1	55.5	3.4	2.6	249	237	77	80	ENE 3	ENE 3	9	10	—	Beautiful day.
23	29.86	29.78	51.8	45.7	42.2	59.6	5.8	5.7	248	192	65	62	ENE 3.5	ENE 4	7	0	—	Beautiful day, but very dusty.
24	29.86	29.78	50.5	44.1	34.8	59.2	7.4	4.1	206	204	57	70	ENE 4	NE 2	0	0	—	Beautiful day, but with cold wind.
25	29.86	29.78	46.2	45.0	34.1	52.6	4.8	3.0	212	233	68	78	ENE 2	E 2	9	10	—	
26	29.86	29.78	48.5	43.8	35.4	53.8	5.5	2.6	220	230	64	80	E 2.5	E 2.5	7	0	—	Beautiful day.
27	29.86	29.78	55.0	51.5	35.7	61.2	6.2	5.9	276	285	64	75	ENE 1.5	E 0.5	6	10	—	Beautiful day. Evening overcast.
28	29.86	29.78	58.0	46.2	39.5	66.6	7.9	4.0	288	227	57	73	NW 2	W 1.5	0	5	—	Beautiful day.
29	29.86	29.78	48.1	47.9	39.3	52.2	1.1	0.9	308	310	92	94	SW 3	SW 3.5	10	10	—	Beautiful day.
30	29.86	29.78	52.0	53.0	47.1	55.3	0.3	1.3	380	366	95	91	SW 3	SW 3.5	10	10	—	0 a. and p.
Mean	29.895	29.888	47.5	44.4	37.0	53.6	3.5	2.2	253	246	77.5	83.7	2.3	2.0	7.2	6.7	0.999	0 a. and p.

BABBACOMBE.—APRIL 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
								9 a.m.	9 p.m.								
	ins.	ins.	°	°	°	°	°	°	°	%	%						
1	29.55	29.48	44.8	42.5	31.1	49.8	2.6	3.7	.239	.198	81	74	SSE 3	SE 3	9	10	ins. —
2	32	32	41.3	42.9	40.2	43.4	2.3	0.1	.213	.274	82	99	SSE 5	NNE 1	10	10	500
3	31	30	45.4	44.3	39.9	46.8	0.4	0.0	.272	.292	97	100	E 2	SSE 3	10	10	Dull and gloomy, with
4	32	26	47.8	44.8	44.1	51.4	0.0	1.1	.333	.271	100	92	SSW 2	SW 3	10	6	270
5	319	36	49.9	43.0	43.0	54.7	1.7	1.3	.316	.248	88	90	WSW 4	SW 2	9	0	080
6	36	33	46.6	43.6	41.2	53.8	0.9	0.6	.269	.270	94	95	ENE 2	N 1	8	2	—
7	47	65	41.0	40.8	40.0	46.0	1.6	2.2	.224	.210	87	83	NNE 3	NNW 2	10	10	—
8	71	67	44.7	40.1	37.1	50.8	5.9	1.5	.180	.218	61	88	NNE 2	N 3	2	9	010
9	69	79	40.8	41.7	38.9	43.0	1.9	1.1	.216	.230	85	91	NNE 3	NNE 2	10	10	010
10	85	81	41.8	40.7	40.0	50.7	1.0	1.4	.243	.225	92	88	ENE 2	NW 1	10	9	—
11	76	77	39.6	42.3	37.4	46.9	0.8	2.0	.227	.236	93	84	ENE 3	NE 2	10	10	—
12	85	81	46.2	39.9	34.6	51.8	4.5	3.0	.217	.188	70	76	ENE 2	WSW 2	1	8	—
13	68	81	41.0	38.5	37.2	46.6	2.2	1.1	.212	.211	83	91	SE 3	NE 1	10	2	—
14	88	88	44.5	41.8	35.0	49.6	2.1	1.1	.246	.240	84	92	WSW 2	NW 2	10	2	130
15	92	97	52.6	44.0	39.1	57.8	4.8	2.2	.277	.239	70	83	NNW 1	NW 3	1	2	—
16	96	89	55.9	44.8	39.2	59.2	7.0	2.2	.270	.247	61	83	WNW 2	WSW 2	3	1	—
17	88	88	54.0	43.8	43.2	54.9	4.7	2.3	.296	.238	71	83	E 1	NW 2	7	2	—
18	85	82	44.8	43.9	37.3	53.1	0.7	0.3	.280	.279	94	98	ENE 1	E 1	9	1	—
19	84	86	44.7	42.6	42.1	47.8	1.0	2.0	.272	.251	92	85	E 3	E 4	9	1	—
20	93	93	40.8	43.5	39.2	49.6	1.5	1.6	.224	.247	88	87	E 4	NE 2	10	5	—
21	88	78	47.1	44.6	40.3	50.9	2.5	1.2	.265	.267	82	91	NE 2	ENE 2	2	4	030
22	70	67	40.9	43.9	40.6	44.9	0.9	1.0	.237	.264	93	92	E 5	E 4	10	10	220
23	66	70	44.0	46.8	41.4	49.8	2.2	6.0	.239	.196	83	61	E 5	ENE 5	10	1	—
24	80	84	46.8	45.2	39.3	54.6	4.3	2.8	.226	.239	71	80	ENE 4	NE 3	1	0	—
25	84	74	45.9	43.0	38.9	50.0	4.1	2.3	.221	.228	73	82	E 3	ENE 1	1	10	—
26	65	53	43.9	42.9	42.2	48.6	3.5	1.4	.214	.245	74	89	ESE 3	ENE 2	9	3	—
27	42	29	45.4	44.8	42.1	52.1	1.5	1.0	.269	.273	89	92	E 3	ENE 1	10	2	—
28	33	49	57.0	45.0	40.4	61.6	8.0	3.1	.263	.231	57	77	NNW 2	NNW 1	0	9	010
29	45	40	49.5	48.5	44.2	53.8	0.3	0.6	.346	.325	98	95	SSW 4	SW 5	10	10	100
30	29.40	29.44	52.7	51.2	48.2	53.9	0.0	0.2	.399	.371	100	99	WSW 6	SW 5	10	10	120
Mean	29.643	29.645	40.3	43.5	30.0	50.0	2.1	1.8	.268	.248	81.1	80.1					Dull and gloomy, with

ARMAGH.—APRIL 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.		
1	ins.	ins.	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	SE 2	ESE 4	10	10	ins.
2	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
3	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
4	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
5	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
6	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
7	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
8	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
9	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
10	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
11	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
12	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
13	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
14	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
15	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
16	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
17	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
18	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
19	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
20	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
21	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
22	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
23	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
24	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
25	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
26	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
27	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
28	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
29	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
30	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	E 2	ESE 4	10	10	0°05
Mean	29°54	29°32	38°0	38°3	34°0	41°5	2°0	0°5	190	221	83	90	1°7	1°4	8°9	7°1	1°840

MARKREE CASTLE (SLIGO).—APRIL 1891.

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.

1	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SSE 4	SE 1	10	10	390	● ² showers.
2	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	ESE 1	ESE 2	10	10	100	
3	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	ESE 3	SE 2	10	9	220	
4	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SSE 1	SE 1	9	6	310	
5	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	Calm	Calm	10	5	090	
6	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	NNE 0°5	NNE 0°5	10	10	—	Overcast all day.
7	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	E 1	Calm	9	10	—	
8	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	Calm	Calm	3	2	—	
9	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SE 1	SE 1	8	10	—	
10	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SE 2	SE 2	10	9	—	
11	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SE 2	SSE 2	10	9	—	Overcast all day.
12	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SE 2	SSE 4	9	10	380	
13	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	Calm	Calm	10	8	—	
14	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	NNW 0°5	SSE 0°5	7	10	100	
15	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	NW 1	NW 2	10	10	040	
16	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	WNW 2	NW 2	10	10	020	
17	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	NW 1	Calm	10	10	—	
18	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	NE 0°5	SE 0°5	8	4	—	
19	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	ESE 3	E 0°5	4	10	—	
20	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SE 1	Calm	10	4	—	
21	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	ENE 2	NE 0°5	7	8	—	
22	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	E 2	E 1	9	10	—	
23	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	E 4	E 1	4	3	—	
24	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	E 1	E 0°5	10	4	—	
25	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	ESE 1	SSE 2	9	10	—	
26	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SSW 1	Calm	9	10	—	
27	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	SSE 1	SSW 1	9	10	060	
28	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	Calm	Calm	8	10	020	
29	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	Calm	Calm	10	10	100	
30	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	S 1	S 1	9	10	090	
Mean	29°51	29°33	40°0	41°8	36°5	42°2	0°8	0°4	230	256	94	97	1°4	0°9	8°7	8°4	1°620	

DUBLIN (PHENIX PARK).—APRIL 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	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.				
1	ins.	ins.	39°7	43°3	29°1	48°8	1°4	1°9	216	239	88	85	SE 1	SE 1	9	10	ins.	Cloudy, with ☉ ⁰ showers.	
2	29°59	29°39	39°7	43°3	29°1	48°8	1°4	1°9	216	239	88	93	Calm	E 2	8	10	045	Cloudy day.	
3	29°58	29°38	39°7	43°3	29°1	48°8	1°4	1°3	217	261	89	90	E 2	SE 1	9	5	350	Dull, with ☉ ⁰ all day. ☉ ² p.	
4	29°59	29°39	39°7	43°3	29°1	48°8	1°4	2°5	268	238	91	80	E 1	SE 1	2	8	100	Cloudy, with ☉ ⁰ showers. ☉ ² p.	
5	29°59	29°39	39°7	43°3	29°1	48°8	1°4	2°1	310	249	93	85	Calm	Calm	9	5	035	Cloudy, with ☉ ⁰ showers.	
6	29°59	29°39	39°7	43°3	29°1	48°8	1°4	1°1	256	244	92	91	Calm	NE 1	9	10	070	Dull and cloudy, with ☉ ⁰ .	
7	29°59	29°39	39°7	43°3	29°1	48°8	1°4	3°0	211	185	170	77	81	NNE 2	N 1	9	1	005	☉ ⁰ ☉ ¹ a. Cloudy day.
8	29°58	29°38	39°7	43°3	29°1	48°8	1°4	3°8	5°1	196	173	73	75	N 1	Calm	4	1	—	Beautiful day.
9	30°01	30°02	39°7	43°3	29°1	48°8	1°4	3°6	0°9	198	165	75	89	NE 2	Calm	6	1	—	
10	29°59	29°39	39°7	43°3	29°1	48°8	1°4	3°1	1°9	252	242	78	85	Calm	SE 1	2	5	—	
11	30°01	30°01	39°7	43°3	29°1	48°8	1°4	1°9	1°0	251	181	86	91	SE 1	Calm	9	1	—	
12	30°00	29°59	39°7	43°3	29°1	48°8	1°4	4°7	4°2	228	187	69	70	SE 1	SE 1	5	10	075	Beautiful day.
13	29°58	29°58	39°7	43°3	29°1	48°8	1°4	1°6	1°1	209	248	88	91	ESE 1	Calm	9	10	015	Cloudy, with ☉ ⁰ showers.
14	30°02	30°02	39°7	43°3	29°1	48°8	1°4	1°3	1°4	239	231	91	89	W 1	Calm	4	1	—	☉ ⁰
15	30°05	30°05	39°7	43°3	29°1	48°8	1°4	3°7	2°4	266	259	75	84	W 1	W 1	4	1	005	Beautiful day.
16	30°04	30°04	39°7	43°3	29°1	48°8	1°4	2°5	2°0	228	294	80	86	W 2	W 1	9	8	060	Cloudy day.
17	30°05	30°05	39°7	43°3	29°1	48°8	1°4	4°1	1°7	231	259	72	88	Calm	Calm	2	7	005	Beautiful day.
18	30°01	30°01	39°7	43°3	29°1	48°8	1°4	2°5	0°9	282	233	83	93	Calm	Calm	4	1	—	Cloudy a. Bright p.
19	30°00	30°00	39°7	43°3	29°1	48°8	1°4	1°8	1°2	255	241	87	92	ENE 1	Calm	7	5	—	Cloudy a. Bright p.
20	30°15	30°15	39°7	43°3	29°1	48°8	1°4	4°0	1°2	235	191	73	89	E 1	Calm	2	1	—	Beautiful day.
21	30°11	30°03	39°7	43°3	29°1	48°8	1°4	2°9	1°6	230	240	79	88	NE 2	E 1	6	2	115	Cloudy a. Bright p.
22	29°57	29°53	39°7	43°3	29°1	48°8	1°4	2°4	2°8	213	233	82	79	E 2	NE 2	8	6	—	
23	29°59	30°03	39°7	43°3	29°1	48°8	1°4	3°1	2°1	238	235	79	84	NE 4	NE 2	1	1	—	Beautiful day, with squally ☉ ⁰ .
24	30°10	30°08	39°7	43°3	29°1	48°8	1°4	3°1	1°2	228	191	78	89	ENE 2	Calm	5	4	—	Cloudy a. Bright p.
25	30°04	29°54	39°7	43°3	29°1	48°8	1°4	4°4	1°2	210	169	69	87	SE 1	Calm	7	1	—	Cloudy a. Bright p. ☉ ⁰ n.
26	29°58	29°52	39°7	43°3	29°1	48°8	1°4	3°6	1°3	214	176	73	87	Calm	Calm	9	1	—	☉ ⁰ a.
27	29°57	29°55	39°7	43°3	29°1	48°8	1°4	3°3	1°1	227	222	76	91	Calm	Calm	9	1	015	Beautiful day.
28	29°50	29°55	39°7	43°3	29°1	48°8	1°4	4°1	2°6	205	217	71	81	NNW 1	Calm	4	7	005	Bright a. Cloudy p.
29	29°33	29°32	39°7	43°3	29°1	48°8	1°4	4°1	2°6	204	264	74	90	SW 2	SW 2	10	8	080	Dull and cloudy.
30	29°30	29°29	39°7	43°3	29°1	48°8	1°4	3°7	3°01	324	78	82	Calm	S 1	7	5	055	Cloudy a. Bright p.	
Mean	29°59	29°58	39°7	43°3	29°1	48°8	1°4	2°8	1°8	238	230	80°2	86°2	1°1	0°6	6°2	4°6	1°285	

DEERNESS.—MAY 1891.

Height above Mean Sea Level, 169 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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			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. 29.08	ins. 29.02	39.3	41.3	38.0	41.8	1.0	1.1	in. 221	in. 236	92	92	NE 6	N 6	10	10	ins. 0.00	
2	27	40	44.5	38.5	38.0	46.8	3.0	1.0	229	214	78	92	NNW 4	WNW 1	10	0	0.20	
3	41	54	42.3	40.3	36.0	46.8	1.7	2.3	234	204	87	82	W 2	N 1	5	3	0.40	
4	69	90	44.8	41.5	36.0	47.8	3.6	2.3	220	215	74	83	NNW 3	Calm 0	3	0	—	
5	96	93	46.8	44.0	39.0	47.8	2.8	1.6	255	252	80	87	SE 5	SSE 7	2	10	—	
6	91	85	44.3	44.0	43.0	46.8	2.0	2.8	247	228	84	78	SSE 6	SSE 6	10	10	—	Overcast all day.
7	73	64	44.8	43.0	42.0	46.8	0.8	1.0	278	255	94	92	SSE 5	SE 5	10	10	—	∞ a. and p.
8	65	79	46.8	45.0	41.0	48.8	1.8	1.5	277	264	87	89	ESE 4	E 2	10	10	—	∞ a. and p.
9	29.93	29.90	51.2	46.5	44.0	53.8	3.5	3.7	290	235	77	75	E 3	ESE 1	1	0	—	Fine all day.
10	30.03	30.04	52.8	44.5	43.0	53.8	6.3	0.8	250	275	63	94	ESE 2	E 1	0	0	—	∞ p.
11	07	30.13	43.6	45.8	42.0	50.8	0.5	0.8	272	289	96	94	SSE 2	SSE 1	10	0	—	∞ (mist) ga. Parhelion p. Red sunset.
12	30.00	29.96	51.6	49.0	40.0	60.8	3.8	2.7	287	283	75	81	SSW 4	W 0	2	10	0.70	
13	29.87	85	45.7	45.3	44.0	50.8	1.4	2.2	275	252	90	84	WNW 3	WNW 4	10	1	1.70	
14	59	24	45.0	42.0	42.0	50.8	1.0	3.0	275	207	92	78	SW 5	W 7	10	9	2.40	
15	24	50	42.3	38.2	36.0	46.8	2.3	3.9	222	160	83	69	N 8	N 8	5	7	0.40	* in past n.
16	52	44	36.8	34.1	32.0	40.8	3.0	2.1	164	155	75	78	NNW 8	N 3	2	9	1.10	* showers all day.
17	32	30	35.0	41.0	30.0	41.8	0.8	2.5	183	206	92	81	NNW 6	NNE 4	10	8	1.20	* ga.
18	32	54	45.5	40.6	36.0	46.8	3.5	1.6	229	219	76	87	ESE 2	E 2	7	3	1.60	
19	28	39	46.0	43.7	36.0	48.8	3.8	2.9	229	223	74	78	N 6	N 5	1	1	0.60	
20	39	44	46.2	42.3	40.0	48.8	3.2	1.8	242	232	78	87	N 5	NNW 3	5	5	—	
21	46	47	46.8	41.3	37.0	48.8	4.2	1.0	227	239	72	92	NW 4	NNE 1	5	0	—	
22	45	50	48.0	44.2	38.0	51.8	3.0	2.4	263	238	79	82	N 2	Calm 0	2	1	—	Fine all day.
23	50	64	47.3	44.2	41.0	48.8	3.1	2.2	254	242	78	83	SE 3	ESE 1	1	1	—	Fine all day.
24	75	81	47.7	43.0	39.0	50.8	3.7	2.8	246	219	75	79	N 3	N 3	3	1	—	
25	75	75	47.0	43.0	40.0	49.8	4.0	2.8	233	219	73	79	N 5	N 6	7	2	—	
26	66	51	47.0	46.0	42.0	47.3	2.9	0.7	255	204	80	95	N 6	NNE 6	10	10	7.00	
27	43	47	45.0	43.7	43.0	47.8	1.0	0.7	275	269	92	94	NE 6	NE 3	10	10	1.80	
28	45	50	44.2	46.0	43.0	48.8	1.2	1.0	263	287	91	93	SE 3	E 3	10	10	1.60	Overcast all day.
29	49	50	47.8	46.8	42.0	50.8	1.1	1.4	305	287	92	90	ESE 5	SE 5	10	10	0.20	∞ p.
30	57	70	47.0	45.5	45.0	48.8	0.7	0.7	306	289	95	95	SE 5	E 4	10	2	1.20	∞ ga. ∞ p.
31	29.81	29.87	46.0	43.5	43.0	46.8	0.8	0.3	292	276	94	97	ESE 2	ESE 3	10	10	—	∞ all day. ∞ p.
Mean	29.599	29.626	45.5	43.2	39.7	48.7	2.4	1.9	252	241	82.8	85.8	4.3	3.5	6.4	5.3	2.270	

DUNROBIN CASTLE.—MAY 1891.

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

1	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	● a. Dull day.
2	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Mild and cloudy.
3	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine and mild.
4	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine day. Cool wind.
5	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine and clear.
6	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine a.
7	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull day.
8	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull and cold.
9	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine and clear.
10	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine day.
11	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine a. ● showers p.
12	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull day.
13	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Mild, with ● showers.
14	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Cold day.
15	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	* ∞ showers.
16	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull, with ∞ (mist).
17	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine a. ● 2 showers p.
18	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine a.
19	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine day.
20	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine day.
21	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine a. ∞ 2 showers p.
22	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine and mild.
23	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine day.
24	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull day.
25	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull and cold.
26	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull, with ● showers.
27	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Fine p.
28	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull, with ●.
29	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	Dull day.
30	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	
31	29.25	29.30	44.6	41.6	39.2	45.0	1.3	0.9	265	244	90	94	W	W	—	—	300	
Mean	29.283	29.826	47.6	45.6	41.1	51.4	2.6	2.4	271	255	82.5	83.0	—	—	—	—	2.220	

BRAEMAR.—MAY 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long, 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.			9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.										
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	27.96	28.02	47.0	40.6	39.8	48.0	1.5	2.1	.287	.211	90	84	SW	1	E	0.5	8	9	ins. 470	
2	28.28	.44	38.6	37.8	35.0	42.7	2.9	1.3	.180	.202	78	90	SE	0.5	N	0.5	9	7	.010	Cold, with ☉ showers.
3	.42	.54	39.6	39.8	34.2	49.0	4.1	2.5	.168	.197	70	80	SW	0.5	NE	0.5	7	8	—	Clear and cold.
4	.66	.85	44.6	42.6	31.4	51.3	5.3	4.1	.189	.194	64	72	NE	0.5	SW	1	4	7	—	Clear and cold.
5	.91	.93	46.5	43.9	30.4	51.8	4.7	2.4	.216	.236	60	82	S	1	SW	1	7	8	—	
6	.86	.86	45.8	43.6	41.6	53.2	4.3	3.6	.218	.209	71	74	S	0.5	S	0.5	8	7	.020	Fine day.
7	.70	.60	46.5	42.6	37.4	51.3	2.7	2.3	.255	.225	82	83	SW	2	SE	0.5	8	8	—	☼ (mist) all day.
8	.52	.70	41.6	42.6	38.0	44.3	0.9	0.9	.244	.253	94	93	NE	1	NE	0.5	5	5	.020	☼ (mist) all day.
9	.85	.96	47.3	44.6	41.0	55.5	1.3	4.1	.294	.210	91	71	NE	0.5	NE	0.5	5	0	—	Fine and clear.
10	28.95	28.08	52.9	47.3	29.8	61.0	7.6	3.8	.237	.240	57	74	NE	1	E	0.5	5	0	—	Fine and clear.
11	29.03	29.11	55.1	50.5	31.0	65.0	8.9	5.0	.226	.250	53	68	E	0.5	S	0.5	2	3	—	Fine and clear.
12	.03	29.03	60.4	55.5	35.1	68.2	9.2	5.8	.278	.292	53	66	SW	2	SW	0.5	3	7	—	Fine and clear.
13	29.00	28.90	54.5	46.4	45.3	59.8	3.2	5.9	.337	.195	79	62	SW	1	W	1	7	6	—	Fine and clear.
14	28.72	.48	45.6	36.0	36.0	49.3	4.4	1.3	.214	.188	70	88	W	1	SW	1	7	7	.140	Fine a. ✱.
15	.30	.49	40.6	34.7	34.0	43.8	3.1	1.8	.193	.166	76	82	NW	1	N	2	9	9	.350	Stormy, with ✱ showers.
16	.59	.51	32.2	36.0	29.3	36.7	2.4	1.3	.151	.188	72	88	N	4	NW	2	7	9	.120	✱ showers all day.
17	.36	.23	36.4	36.6	28.0	43.0	3.4	1.1	.154	.196	72	91	NW	1	NE	2	4	10	.270	Fine a. ✱.
18	.27	.28	41.0	36.6	28.0	45.0	4.0	2.1	.180	.178	70	83	NE	0.5	NE	0.5	6	6	—	Fine day.
19	.24	.30	40.9	41.1	33.2	47.5	3.2	3.8	.194	.184	77	72	N	2	NE	0.5	5	6	—	Fair, but cold.
20	.42	.42	44.1	39.6	37.5	52.9	5.4	2.1	.182	.203	63	83	W	2	S	0.5	4	9	.040	Fair, but cold.
21	.46	.45	46.0	40.7	37.0	51.9	5.5	2.2	.190	.210	64	83	SE	1	NE	0.5	6	3	—	Fine, but cold.
22	.41	.44	43.5	43.1	39.0	53.0	4.2	2.1	.197	.233	70	83	NE	1	NE	0.5	4	9	—	
23	.43	.53	49.4	40.0	38.2	55.0	7.3	2.5	.198	.198	56	80	S	1	SW	0.5	2	9	—	Fine day.
24	.66	.72	44.5	39.7	35.7	55.0	4.2	2.2	.207	.202	70	82	SE	0.5	E	0.5	8	4	.040	☼ showers.
25	.66	.67	44.5	39.6	37.5	55.0	5.0	2.1	.193	.203	65	83	N	0.5	NE	1	5	7	.950	☼ showers.
26	.56	.46	42.8	42.4	37.6	47.7	2.1	1.9	.231	.231	84	86	NE	2	E	0.5	6	8	.170	Very cold, with ☉ showers.
27	.34	.39	46.3	42.1	41.0	57.0	6.8	2.2	.180	.222	57	83	NE	0.5	E	0.5	9	7	.080	Very cold, with ☉ showers.
28	.36	.34	44.7	42.6	40.1	47.8	3.2	1.0	.227	.251	77	93	NE	0.5	E	0.5	7	9	.180	Very cold, with ☉ showers.
29	.32	.46	44.6	44.7	41.0	52.4	2.0	1.7	.250	.257	85	87	SE	1	S	0.5	8	9	.160	Mild and damp.
30	.51	.62	46.2	47.8	34.8	65.0	2.8	2.7	.250	.267	81	81	SE	0.5	S	0.5	8	4	—	Mild and damp.
31	28.71	28.75	52.1	48.7	35.2	59.9	3.7	3.2	.295	.268	75	79	NE	1	SE	0.5	8	9	—	Mild and damp.
Mean	28.560	28.590	45.3	42.3	35.9	52.0	4.2	2.6	.219	.218	72.1	80.8		1.1	0.7	6.2	6.7	2.120		

DUNDEE.—MAY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind-Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	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.	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SW	1	NE	1	10	10	ins.	750	☉ n. ☉ showers from S.
2	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	NE	1	NE	1	10	10	ins.	750	☉ n. and during day.
3	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SW	1	SE	1	10	10	ins.	750	☉ showers n. and during day.
4	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SW	1	SE	2	5	10	ins.	750	☉ Cloudy day.
5	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	5	10	ins.	750	☉ Dull day.
6	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	1	10	10	ins.	750	☉ Cloudy day.
7	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
8	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
9	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
10	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
11	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
12	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
13	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
14	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
15	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
16	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
17	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
18	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
19	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
20	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
21	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
22	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
23	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
24	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
25	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
26	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
27	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
28	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
29	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
30	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
31	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.
Mean	29.04	29.00	50.3	40.7	40.3	6	1.1	2.2	in.	in.	9.2	9.5	SE	1	SE	4	10	10	ins.	750	☉ Dull day.

GLASGOW.—MAY 1891.

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.

1	28°99	29°01	49°6	44°3	44°1	53°9	1°1	1°9	328	249	92	85	S	1	SW	2	10	10	230	Overcast, with ☉ ⁰ .
2	29°31	47	40°6	39°6	38°7	40°4	1°7	2°3	218	198	87	82	NW	2	SW	2	10	7	520	Overcast, with ☉ ² Δ ² showers.
3	50	54	41°3	43°0	37°2	50°2	1°5	2°7	228	221	89	80	S	2	NW	1	10	0	033	Cloudy day. ☉ ⁰ Δ ⁰ showers.
4	72	87	48°3	43°7	36°1	54°9	4°7	2°4	233	233	69	82	W	1	SW	1	4	0	—	
5	91	89	49°4	51°5	38°2	58°9	5°5	3°8	220	284	65	76	SE	1	SE	1	7	10	010	Dull and overcast. ☉ ⁰ .
6	90	81	49°9	51°4	46°5	50°8	4°4	4°9	256	261	72	69	S	1	NW	1	10	10	135	Dull and overcast. ☉ ⁰ .
7	71	48	50°2	47°3	40°5	57°9	2°4	1°8	303	283	84	88	S	1	NE	2	10	10	257	Overcast, with ☉ ² .
8	40	66	44°5	46°3	41°8	49°9	0°8	1°4	275	281	94	90	NE	2	E	1	10	10	065	☉ ⁰ a. Overcast.
9	81	89	50°1	48°8	45°6	50°6	2°0	4°7	311	238	86	69	NE	1	NE	1	8	0	—	
10	29°01	29°07	56°0	47°7	42°6	61°5	8°7	3°3	238	255	53	78	NE	2	E	1	2	0	—	Fine day.
11	30°06	30°10	51°2	52°8	42°5	62°6	5°7	7°5	243	231	65	58	E	1	NE	1	10	8	—	Dull and overcast.
12	30°07	30°06	57°7	55°7	43°8	69°8	7°2	5°6	288	297	60	67	NE	1	W	1	9	5	—	
13	29°06	29°05	53°1	48°8	48°6	59°5	2°5	3°9	336	254	83	74	W	1	W	1	10	2	—	Dull and cloudy.
14	81	58	48°7	43°4	41°4	54°3	4°0	3°3	251	214	73	76	W	2	W	2	10	7	140	Cloudy, with ☉ ⁰ .
15	33	55	46°0	41°0	38°7	51°1	4°0	3°2	224	194	73	76	NW	2	NW	1	8	8	100	Cloudy, with ☉ ⁰ .
16	65	56	40°6	36°6	34°6	45°0	6°0	3°0	147	162	58	75	NW	2	NW	1	7	0	099	Fine day. ✱ ⁰ Δ ¹ .
17	37	27	42°4	40°7	32°6	49°8	7°3	4°8	142	166	53	65	NW	1	W	1	7	7	059	
18	25	29	46°3	45°0	38°6	52°8	5°9	5°3	193	192	62	64	N	1	NE	1	7	10	016	
19	24	41	49°3	44°1	39°6	54°2	7°5	2°0	193	244	55	84	NW	1	SW	1	6	8	—	
20	43	41	47°8	45°0	38°0	51°3	5°2	2°8	219	237	67	79	SW	1	NW	1	6	10	008	Dull and cloudy. ☉ ⁰ .
21	44	44	48°2	45°5	38°8	54°7	5°1	4°3	225	214	67	71	NE	2	NE	1	6	8	—	Fine day.
22	45	47	49°5	46°3	36°8	54°5	7°1	3°2	202	242	57	78	NE	1	S	1	7	10	—	Dull and cloudy.
23	43	51	50°2	46°6	38°4	53°6	4°0	3°1	267	247	74	79	SE	1	E	1	7	5	330	Overcast, with ☉ ⁰ ☉ ² Δ ⁰ ✱ ⁰ ☉ ⁰ (sleet).
24	67	72	48°1	46°0	41°5	54°8	4°2	3°8	190	247	72	80	NE	2	NE	1	10	6	—	Dull and cloudy.
25	68	65	48°7	46°7	39°1	56°1	7°3	6°8	192	185	56	58	NE	1	NE	1	8	2	005	Dull and cloudy.
26	55	46	48°6	44°4	41°2	51°5	5°2	1°3	226	203	66	90	NE	1	NE	1	10	10	047	Overcast. ☉ ⁰ .
27	34	34	49°3	47°3	43°4	53°5	2°8	2°8	253	261	81	81	NW	1	E	1	10	10	098	Overcast, with ☉ ⁰ ☉ ⁰ in afternoon.
28	30	34	48°6	46°6	44°8	54°6	3°7	1°3	286	287	75	91	SE	1	E	1	9	10	096	Overcast, with ☉ ² ☉ ⁰ in afternoon.
29	32	45	48°2	47°2	43°8	54°6	1°8	3°3	293	249	87	77	SE	1	S	1	10	7	110	Overcast, with ☉ ⁰ .
30	49	62	51°8	50°6	44°1	60°9	5°7	4°3	250	265	65	73	S	2	S	1	10	10	—	
31	29°69	29°71	50°6	47°5	43°9	62°0	2°5	1°1	305	302	83	92	E	3	E	3	8	10	—	Cloudy and squally.
Mean	29°569	29°596	48°5	46°2	41°0	55°2	4°4	3°4	245	240	71°7	77°0	1°4		1°2	8°3	6°8	2°568		

WOLFELEE.—MAY 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			
------	------------------------	--	------------------	--	--	--	-----------	--	--	--

CRONKBORNE (DOUGLAS), ISLE OF MAN.—MAY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
2	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
3	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
4	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
5	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
6	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
7	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
8	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
9	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
10	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
11	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
12	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
13	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
14	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
15	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
16	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
17	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
18	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
19	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
20	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
21	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
22	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
23	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
24	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
25	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
26	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
27	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
28	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
29	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
30	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
31	29.10	29.22	48.9	43.6	42.1	51.8	0.2	0.3	in.	in.	%	%	SSW 5	WSW 3	10	4	ins. 0.44	☼☼☼ (mist) a. Dull day. ● showers.
Mean	29.622	29.643	50.3	46.1	40.8	55.0	3.0	2.4	29.4	26.2	80.4	83.7	3.9	2.3	6.7	5.7	1.565	

STONYHURST.—MAY 1891.

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.

1	28°94	28°97	51°3	46°9	46°3	53°7	1°1	1°1	349	295	92	93	S	SSW 3	10	10	450	Overcast with ☉.
2	29°19	29°32	46°5	41°0	40°2	48°6	3°7	1°9	234	217	75	85	WSW 3	WhyS 1	8	1	—	Cloudy a. Sunny and breezy p.
3	29°41	29°39	48°9	45°8	38°9	50°2	4°4	0°9	218	210	70	94	swb.S 3	swb.S 2	10	10	080	Overcast. ☉ in evening.
4	29°53	29°69	49°8	45°2	41°2	54°6	4°1	3°7	262	223	73	74	WhyS 2	Calm 0	6	0	—	Cloudy a. Sunny p.
5	29°74	29°74	49°0	47°9	42°9	53°0	2°8	4°4	280	235	80	71	NbyE 1	ENE 2	10	10	—	Overcast and gloomy.
6	29°74	29°67	49°2	50°6	40°0	59°8	4°0	4°6	257	259	73	70	NNE 1	NbyE 1	6	10	—	Sunny day. ∞ p.
7	29°57	29°31	51°0	53°8	42°1	62°1	4°0	4°8	276	290	74	70	Calm 0	E by N 1	7	10	276	Cloudy, with ∞. ☉ ⁰ in evening.
8	29°18	29°30	48°9	47°7	44°8	57°8	2°4	2°5	289	272	84	82	Calm 0	NNE 2	9	9	—	Cloudy p.
9	29°46	29°51	49°1	46°4	43°7	51°0	1°7	2°0	307	269	88	86	NNE 1	N 2	10	10	—	Overcast.
10	29°55	29°61	53°6	48°2	45°5	60°9	5°8	1°4	268	302	65	91	NbyE 2	N 1	10	10	162	Overcast and cloudy. ☉ in evening.
11	29°75	29°85	60°5	53°5	48°1	67°6	6°3	5°4	344	274	65	67	NNE 1	NNE 1	6	1	—	Cloudy a. Sunny p.
12	29°87	29°86	62°4	55°0	43°2	71°7	6°4	3°2	368	344	65	80	Calm 0	SW 1	0	1	—	Fine and sunny.
13	29°80	29°76	61°2	50°9	45°4	62°7	5°5	1°2	374	343	70	92	swb.W 2	swb.S 2	0	4	—	Fine a. Overcast and cloudy p.
14	29°70	29°53	52°0	45°5	44°9	52°9	5°4	4°1	258	218	67	71	swb.W 3	WhyN 3	7	0	298	Overcast.
15	29°21	29°30	44°8	42°1	38°4	50°6	2°8	2°6	235	215	79	81	WhyS 5	WhyN 3	10	9	175	Overcast, with ☉. K 4 ^{30p} . ▲.
16	29°40	29°39	42°1	34°9	34°8	44°1	5°6	1°6	166	171	62	84	swb.N 2	swb.N 1	7	1	120	Cloudy, with ☉ ⁰ a. and p.
17	29°22	29°11	35°5	34°0	30°6	45°2	1°0	0°7	189	182	91	92	WhyN 1	Calm 0	10	0	—	Overcast, with ☉ ⁰ a.
18	29°03	29°10	43°5	41°1	26°0	52°6	5°0	2°5	184	207	65	80	NbyE 1	NE 1	0	9	010	Fine and sunny a. Overcast p.
19	29°08	29°22	48°6	42°2	34°6	50°8	4°1	1°3	248	241	72	90	SW 1	Calm 0	9	8	166	☉ showers a. ▲ a. Cloudy day.
20	29°26	29°21	43°8	42°9	35°1	52°7	2°3	1°4	237	246	82	89	Calm 0	NbyE 1	10	10	238	Overcast, with ☉ a. and p. T 6p.
21	29°13	29°17	46°3	41°0	40°3	50°8	2°1	2°8	265	228	85	78	NbyE 1	NNE 1	10	10	—	Overcast.
22	29°25	29°32	47°0	43°5	39°8	51°8	4°6	1°0	222	260	69	92	NNE 1	Calm 0	10	10	142	Overcast. ☉ p.
23	29°30	29°27	51°5	45°1	39°9	58°9	4°7	1°0	267	276	71	92	S by E 1	swb.N 1	4	10	047	Overcast p. T 7p.
24	29°33	29°39	47°5	43°6	43°0	52°8	3°5	3°4	248	213	76	75	NE 3	NbyE 2	10	9	100	Overcast, with ☉.
25	29°39	29°38	42°2	44°7	41°3	49°2	1°8	4°6	231	201	87	68	NW 2	swb.N 1	10	6	070	☉ ⁰ a. and p. Overcast.
26	29°27	29°20	45°0	43°5	39°9	49°6	2°6	1°8	241	244	81	86	NW 1	NW 1	10	10	053	Cloudy a. Overcast, with ☉ p.
27	29°16	29°17	49°1	45°2	40°9	54°6	3°3	1°1	271	275	77	92	S 1	Calm 0	10	10	410	Overcast. ☉ p.
28	29°14	29°16	49°8	47°5	43°0	50°6	3°3	1°6	278	290	79	88	sebyS 2	ESE 1	9	10	184	Overcast. ☉ p.
29	29°23	29°29	48°2	47°0	45°0	55°7	3°3	1°3	259	291	77	91	S 3	Calm 0	6	9	064	Cloudy, with ☉ showers.
30	29°34	29°44	52°8	50°0	46°3	61°5	5°8	2°1	259	307	65	85	S by W 1	Calm 0	5	1	—	Cloudy, with ∞.
31	29°47	29°49	57°6	57°6	45°9	67°1	5°5	3°2	351	332	69	80	E 3	EbyS 1	7	2	—	Cloudy, with ∞.
Mean	29°375	29°390	49°1	46°0	41°0	55°0	3°8	2°4	266	260	75°1	82°9	1°6	1°2	7°6	6°8	3°045	

HILLINGTON.—MAY 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	50.1	51.2	50.5	58.6	3.5	3.0	in.	in.	%	%	SSW 6	SW 7	10	5	ins. '113 Overcast a. ☉ ² noon. Double [2p.]	
2	'53	'61	48.7	41.9	41.5	54.7	2.0	2.2	'294	'219	86	85	SW 2	NW 1	10	1	'308 Cloudy day.	
3	'78	29.78	47.1	47.6	36.0	57.1	3.3	3.8	'248	'243	77	74	W 2	SW 1	6	7	—	
4	29.85	30.01	52.9	48.0	41.5	61.4	3.4	2.1	'312	'284	78	85	NW 0.5	SE 2	8	10	—	
5	30.10	30.08	51.4	40.9	40.9	56.5	4.7	1.2	'265	'230	70	91	SE 3	SE 1	7	0	—	
6	30.03	29.97	51.3	43.6	37.2	59.3	2.6	0.9	'311	'263	82	93	NE 2	ENE 1	2	0	—	
7	29.85	'68	50.4	47.1	37.0	62.5	6.4	1.5	'288	'287	63	89	NNE 1	ENE 0.5	5	4	—	
8	'51	'56	58.0	48.5	40.2	63.1	5.0	2.0	'342	'292	71	86	S 1	NE 3	6	0	'032 a. Very fine and sunny. Much cir. ☉ ² 2p.	
9	'66	'67	48.6	46.1	42.0	50.0	0.2	0.3	'338	'305	99	98	NE 2	N 2	10	10	'113 ☉ ² till 8a. Overcast all day.	
10	'71	29.81	46.6	47.7	45.5	49.3	0.4	0.5	'307	'318	97	96	NNE 4	NE 4	10	8	'220 Overcast all day. T 11a. ☉ ² 9p.	
11	29.95	30.09	53.6	45.7	45.3	58.0	2.8	0.5	'335	'301	81	98	NE 4	NE 1	4	0	—	
12	30.14	30.13	57.6	50.0	43.1	66.5	3.9	1.2	'364	'339	77	92	NNE 3	NNE 0.5	0	0	—	
13	30.05	29.96	63.5	56.3	42.3	75.5	5.8	2.3	'400	'385	69	85	NE 1	NW 3	2	5	—	
14	29.98	'77	57.1	48.6	47.0	63.4	5.6	2.3	'315	'286	68	84	NW 2	NW 3	4	6	—	
15	'60	'53	50.2	43.5	38.2	55.4	5.0	2.6	'246	'227	68	79	NW 5	NW 5	6	7	—	
16	'67	'64	43.5	35.9	35.5	46.3	1.8	2.1	'243	'171	86	81	N 4	NE 1	5	1	'047 Blustering ☉. ▲ ² ☉ ² 2p. T 3p.	
17	'55	'45	43.3	35.1	29.0	47.3	3.6	0.0	'204	'204	74	100	NW 5	NW 1	7	10	'088 Squally. ▲ ² * ² 11a. ▲ ² ☉ ² 3p.	
18	'25	'38	38.2	35.1	32.2	44.6	2.5	0.5	'183	'194	80	95	WNW 2	NE 0.5	10	8	'004 ☉ ² 10a. ▲ ² * ² 2p. ▲ ² ☉ ² 6p.	
19	'43	'54	48.9	44.0	28.0	57.3	4.3	1.8	'246	'248	72	86	W 3	WSW 1	2	10	'003 ☉ ² * ² ▲ ² till 1a. Much cir. p. ☉ ² 1a.	
20	'55	'55	49.2	44.0	36.0	57.4	3.0	0.3	'277	'281	79	98	SW 2	NE 1	10	10	'297 T ☉ ² 3p.	
21	'35	'37	46.4	44.6	42.8	47.4	0.5	0.1	'393	'293	96	99	NE 4	N 1	10	10	'185 ☉ ² nearly all day. ☉ ² 10p.	
22	'53	'59	46.5	45.1	43.0	52.6	0.4	0.3	'306	'293	97	97	E 2	E 1	10	10	—	
23	'63	'61	47.2	47.4	43.1	58.6	2.4	0.8	'268	'307	84	94	NW 0.5	SE 0.5	6	10	—	
24	'59	'57	51.0	43.0	42.9	54.3	2.9	0.1	'301	'275	81	99	ENE 4	NE 1	9	10	'385 Fine day. ☉ ² p.	
25	'57	'54	43.0	43.2	41.0	46.5	0.4	0.2	'268	'275	97	98	NW 0.5	NW 3	10	10	'288 showers all day.	
26	'53	'50	43.0	45.9	39.8	49.6	0.9	1.1	'257	'284	93	93	W 2	SW 1	10	10	—	
27	'50	'49	49.8	44.5	39.9	56.4	3.1	0.6	'281	'279	80	95	SW 0.5	W 0.5	8	6	'034 Overcast.	
28	'53	'59	48.1	47.6	42.6	59.5	2.2	2.9	'281	'262	84	80	SW 1	SW 1	10	1	—	
29	'67	'65	54.6	52.1	43.1	59.4	4.9	2.4	'299	'327	71	83	SW 3	S 0.5	8	10	'380 Much cir.	
30	'66	'76	53.1	51.9	47.1	64.3	1.4	0.3	'365	'378	90	98	SW 0.5	SE 0.5	4	0	—	
31	29.83	29.86	58.0	53.1	43.0	70.5	5.2	0.4	'386	'393	80	97	SE 1	SE 2	3	3	—	
Mean	29.678	29.681	50.4	45.8	40.6	56.9	3.0	1.3	'296	'252	80.9	90.6	2.4	1.7	6.8	5.9	3.207 Very fine and sunny. ☉ ² p.	

CARMARTHEN.—MAY 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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.	49.0	48.8	48.4	53.6	0.3	1.4	ins.	ins.	98	90	SW	2	10	10	ins.	Overcast, with ☉ all day. Fine a. Dull p. Fine day. Fine day. ☉ from 6p. ☉ till 3p. Dull day. Fine day. Fine day. Fine day. Fine day. ☉ ✱ ☉ (sleet). Overcast. ☉ p. Dull day. Frequent ☉ showers. Potatoes [severely frosted] ☉ p. ☉ showers. Dull day. ☉ from 5p. Overcast. ☉ all day. Frequent ☉ showers. Frequent ☉ showers. Fine day. Fine a. ☉ p.
2	29.17	29.30	49.0	48.8	48.4	53.6	0.3	1.4	29.17	29.30	98	90	SW	2	10	10	17.80	
3	29.45	29.64	50.3	49.8	49.2	55.1	4.8	1.1	29.45	29.64	99	92	N	1	10	10	10	
4	29.71	29.87	52.1	49.8	49.2	53.2	6.3	1.3	29.71	29.87	99	91	W	3	10	10	10	
5	29.77	29.88	54.2	49.9	49.3	56.6	5.2	2.1	29.77	29.88	99	91	W	3	10	10	10	
6	29.90	29.90	55.0	49.8	49.3	57.3	4.0	2.3	29.90	29.90	99	91	W	3	10	10	10	
7	29.90	29.90	55.0	49.8	49.3	57.3	4.0	2.3	29.90	29.90	99	91	W	3	10	10	10	
8	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
9	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
10	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
11	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
12	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
13	29.93	29.93	55.3	50.3	49.4	60.5	0.7	0.7	29.93	29.93	99	95	S	1	10	10	10	
14	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
15	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
16	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
17	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
18	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
19	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
20	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
21	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
22	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
23	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
24	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
25	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
26	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
27	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
28	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
29	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
30	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
31	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	
Mean	29.94	29.98	57.5	47.3	45.4	59.0	7.1	1.6	29.94	29.98	99	89	N	2	10	10	10	

MARGATE.—MAY 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

1	29°59	29°66	53°1	51°1	50°0	62°4	1°6	3°1	°360	°298	89	79	SW	3	SW	3	10	0	—	☞
2	°65	°65	51°1	46°8	46°0	60°0	1°1	1°8	°346	°277	92	87	SW	2	W	1	10	10	°080	—
3	°85	29°87	51°1	44°8	39°3	57°1	5°3	1°8	°250	°256	67	86	W	2	NW	2	2	0	—	Very fine.
4	29°89	30°00	52°1	49°6	39°2	58°7	4°3	1°6	°281	°315	72	89	SW	1	Calm	0	2	10	—	Bright and sunny.
5	30°12	30°03	46°3	45°8	45°2	50°7	1°3	1°0	°284	°285	91	93	E	1	E	1	10	8	—	—
6	29°98	29°94	48°3	47°0	44°3	50°4	1°5	1°0	°302	°298	90	93	SE	1	E	1	10	3	—	Fine day.
7	°86	°70	49°0	47°2	45°2	57°8	2°4	3°6	°288	°242	83	76	N	1	S	1	9	0	—	Very bright day.
8	°52	°50	56°2	50°9	42°0	62°8	5°4	1°8	°307	°327	68	88	S	1	S	1	7	10	—	—
9	°62	°62	49°3	47°0	47°0	51°8	1°3	0°0	°318	°323	91	100	NE	1	E	2	10	10	°090	☉ p.
10	°64	29°73	46°9	49°4	45°5	49°5	0°1	0°5	°319	°340	99	96	N	1	NW	2	10	10	—	☉ a. and p.
11	29°87	30°05	50°8	48°1	47°0	52°5	1°6	0°8	°330	°316	88	94	N	3	NW	2	10	0	—	—
12	30°11	°12	55°4	50°3	46°1	58°3	2°5	1°3	°367	°331	84	91	NW	1	NE	1	0	0	—	Fine day.
13	30°07	30°00	59°4	58°8	46°0	69°0	3°4	3°6	°403	°388	80	78	SW	1	Calm	0	2	0	—	Very bright day.
14	29°98	29°81	48°0	51°3	47°7	59°1	1°2	3°3	°316	°295	92	78	N	4	Calm	0	10	10	—	☉ a.
15	°59	°52	52°1	46°4	43°8	57°5	7°1	2°4	°227	°259	59	83	W	2	Calm	0	0	10	°120	Fine day. ☉ ² 9p.
16	°63	°63	45°3	41°0	40°5	49°6	3°6	3°8	°225	°184	74	71	NW	3	E	1	10	1	°060	Dull day. ☉ ▲
17	°62	°50	43°2	38°4	37°0	50°7	3°2	0°2	°212	°228	77	99	SW	2	SW	1	3	10	°630	☐ p. ☉ at night.
18	°18	°41	49°0	41°2	37°0	51°8	0°3	2°3	°340	°212	98	82	SW	4	W	2	10	10	°290	☞ a. ☉ ²
19	°48	°64	40°4	44°3	36°0	53°6	0°9	1°2	°231	°264	93	91	N	1	W	3	10	0	°040	☉ a. Sunny p.
20	°65	°56	52°1	48°3	41°2	55°8	4°0	1°5	°288	°302	74	90	SW	4	Calm	0	8	10	°800	☉ p.
21	°24	°36	47°0	48°2	45°1	50°7	0°2	0°9	°320	°315	99	94	N	1	N	1	10	10	°030	☉ ² a.
22	°48	°61	50°1	45°0	44°1	56°8	3°1	0°0	°285	°299	79	100	W	2	W	2	9	0	°040	Fine day.
23	°66	°63	43°1	47°9	37°2	54°8	1°4	1°2	°302	°304	91	92	SSW	1	SE	1	10	10	—	Much finer.
24	°57	°53	48°6	45°2	45°0	53°0	1°6	0°1	°302	°299	89	99	SE	1	Calm	0	10	0	°210	☉ a. Sunny p. <
25	°59	°66	43°1	43°4	43°0	49°0	1°2	0°7	°306	°266	91	95	SE	1	SW	2	10	10	°100	☉ a. ☉ ⁰
26	°62	°58	49°9	43°5	41°0	54°7	4°9	0°5	°245	°271	68	96	W	2	SSW	2	9	5	°270	Dull day. ☉
27	°53	°58	49°3	44°5	42°2	54°8	4°0	1°4	°257	°261	73	89	SSW	1	SSW	2	6	8	°040	☉ noon.
28	°62	°66	49°4	49°7	42°3	56°1	4°3	2°7	°252	°290	72	82	SSW	2	SW	1	7	10	°080	☉ showers.
29	°73	°67	55°3	50°8	42°6	61°0	5°3	1°2	°298	°339	68	91	S	3	S	1	5	10	°060	☉ showers.
30	°68	°79	53°9	50°9	49°0	65°3	1°8	0°9	°365	°349	88	94	Calm	0	S	1	10	2	—	Very fine.
31	29°85	29°86	60°7	53°4	44°1	62°1	7°6	3°1	°317	°325	59	80	S	1	E	2	0	0	—	Very fine.
Mean	29°691	29°795	50°4	47°4	43°2	56°0	2°9	1°6	°299	°292	81°9	88°9	1°7	1°3	7°4	5°7	3°000			

SOUTHAMPTON.—MAY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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.	53.7	51.1	50.1	56.8	1.5	1.4	ins.	ins.	89	90	SW	5.5	SW	5.5	10	10	ins.	☉ showers a. Fine afternoon.
2	29.57	29.74	50.0	45.1	45.1	57.6	0.4	1.7	370	340	97	87	SW	2.5	Calm	0	10	4	100	☉ showers.
3	29.89	29.87	54.3	48.0	37.3	56.7	5.8	1.4	276	299	66	90	W	1	SW	2	8	8	—	Beautiful day.
4	29.92	30.01	56.5	51.4	44.6	58.5	5.3	2.0	315	328	68	87	WNW	1	SW	0.5	7	10	—	Beautiful a. Dull p.
5	30.06	30.05	55.1	48.1	46.8	60.0	4.2	1.3	322	303	74	91	SSE	3	Calm	0	5	0	—	Beautiful day throughout. ☐ n.
6	30.03	30.96	51.8	54.3	38.1	64.4	3.1	4.2	307	310	79	74	NE	1.5	W	1	1	7	—	☐ a. Beautiful day.
7	29.89	29.72	59.8	49.0	48.0	67.1	6.7	1.4	325	312	64	90	SSW	1	SW	2	3	1	0.80	☐ a. and p. Beautiful day.
8	29.50	29.54	58.5	49.9	47.0	60.4	6.3	3.8	318	268	64	75	SW	2	NE	1.5	5	3	—	Beautiful day.
9	29.65	29.70	59.7	50.3	47.9	65.6	6.1	1.8	338	319	66	88	NE	3.5	NE	2.5	9	10	0.08	Beautiful a. Cold wind p.
10	29.71	29.81	50.2	49.8	47.4	56.0	1.4	0.9	327	335	91	93	NNE	1.5	NE	2.5	10	10	—	Cold wind.
11	29.90	30.07	62.1	54.0	48.4	77.3	5.4	1.3	390	380	71	91	NNE	3.5	Calm	0	1	0	—	Beautifully fine and warm.
12	30.15	30.14	61.7	67.0	46.7	80.6	4.2	4.5	417	490	76	76	NE	1	NNE	0.5	0	0	—	Beautifully fine and very warm.
13	30.10	30.01	72.2	65.6	55.8	81.8	9.3	5.3	449	448	56	72	NNW	1	N	1.5	0	9	—	Very warm all day.
14	30.01	29.88	62.2	54.3	51.3	69.7	5.5	5.1	389	290	70	69	NE	2	N	2	10	1	—	Beautiful day, but much cooler.
15	29.68	29.61	56.2	43.6	42.9	59.5	7.5	1.0	266	261	58	92	NNW	4.5	NW	2	8	2	1.64	Frequent ☉ showers. ▲ 3.30p.
16	29.70	29.74	48.8	37.2	37.0	53.6	5.1	1.0	231	202	67	91	NW	2.5	NW	1.5	9	2	0.72	☉ showers. ▲ 6p. * and * [elect] 7p.
17	29.68	29.49	50.7	45.7	30.5	53.6	6.8	3.9	219	224	60	73	WNW	1	SW	3.5	4	10	385	☉ showers. ▲ 4p.
18	29.19	29.45	44.3	41.1	40.8	50.2	0.9	1.5	270	226	93	88	NNE	3	NE	1	10	10	0.22	Cold, with ☉ showers.
19	29.51	29.65	53.5	45.9	39.1	58.4	5.9	1.9	264	266	64	87	NW	1.5	SW	1	7	1	0.05	Beautiful day, but with cold wind.
20	29.64	29.53	52.1	49.4	42.8	55.6	3.4	3.1	302	279	77	79	SW	1	SSE	1.5	9	10	1.18	Fine and pleasant. [☐ 6p. ☐ 10p.
21	29.34	29.42	49.5	48.0	43.2	53.2	2.4	0.7	294	317	84	95	NE	3	NW	0.5	10	10	1.50	☉ showers.
22	29.53	29.63	53.5	44.5	40.1	56.2	4.8	0.6	287	280	70	95	SW	1	NW	0.5	9	0	2.02	☉ showers.
23	29.68	29.62	50.6	49.5	38.8	60.1	2.6	1.8	393	309	82	88	S	1	SW	3	9	10	2.70	Beautiful day.
24	29.48	29.54	45.7	46.8	44.1	55.2	0.6	0.9	293	299	95	93	ESE	3	SW	1	10	10	2.74	☉ a.
25	29.66	29.74	44.7	45.3	41.0	53.6	2.0	1.0	251	279	86	92	NNW	2.5	WNW	1	10	10	1.15	Dull and cold a. Frequent ☉ showers.
26	29.65	29.57	54.4	45.3	39.2	57.0	5.1	1.0	292	279	69	92	WNW	1	SW	1	7	10	0.80	Frequent ☉ showers. [▲ 4p.
27	29.54	29.57	54.1	48.4	39.1	56.6	5.4	1.5	281	303	68	89	SW	2	SW	1.5	9	10	0.73	Fine and pleasant afternoon.
28	29.59	29.62	52.5	48.8	42.2	56.7	5.2	2.0	267	297	68	86	SW	3.5	SW	3	8	5	1.14	☉ shower 7a. Day fine and dry.
29	29.69	29.66	56.9	50.1	48.6	57.7	4.8	1.4	331	326	71	90	SW	4	SE	2	8	10	0.38	Fine and pleasant.
30	29.70	29.79	58.4	50.8	49.8	63.8	3.3	1.1	391	344	80	92	NW	1.5	SW	0.5	9	0	—	Beautiful day.
31	29.81	29.78	61.4	60.9	40.5	69.3	6.5	5.1	352	380	65	71	SE	4	ESE	3	2	5	—	Beautiful day throughout.
Mean	29.707	29.722	54.7	49.7	43.5	60.7	4.4	2.1	316	368	73.8	86.0	2.3		1.6	7.0	6.1	2.504		

LONDONDERRY.—MAY 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
2	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
3	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
4	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
5	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
6	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
7	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
8	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
9	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
10	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
11	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
12	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
13	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
14	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
15	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
16	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
17	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
18	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
19	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
20	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
21	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
22	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
23	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
24	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
25	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
26	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
27	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
28	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
29	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
30	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
31	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.
Mean	29.08	29.28	48.7	44.7	43.0	51.4	1.0	2.0	in.	in.	93	85	S	1	NW	3	10	5	ins.	● showers during day.

ARMAGH.—MAY 1891.

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.

1	28°06	29°17	52°9	42°0	38°5	54°5	3°1	1°2	320	249	80	91	SSW	2	WSW	1	9	4	550
2	29°43	29°57	45°9	39°5	37°0	54°8	4°1	1°7	223	209	72	86	NNW	1	NW	1	9	9	012
3	29°49	29°58	46°4	42°6	37°2	54°9	4°9	2°0	212	231	68	85	SW	3	W	1	10	1	050
4	29°73	29°80	52°4	48°8	37°4	58°2	6°1	4°3	249	247	64	71	WSW	1	SSE	3	7	8	—
5	29°82	29°81	51°7	47°9	46°0	54°5	6°5	2°2	234	280	61	85	SSE	3	SE	2	10	10	—
6	29°78	29°73	52°9	50°5	46°1	57°4	3°1	0°7	320	350	80	95	S	4	S	1	10	10	240
7	29°64	29°55	52°7	46°8	43°2	54°5	3°0	0°6	320	306	80	95	SSW	1	S	1	8	10	440
8	29°30	29°59	47°0	46°7	41°4	54°6	3°0	1°0	253	296	79	93	SW	1	NNE	1	10	10	—
9	29°77	29°81	51°9	49°4	44°0	60°7	2°0	1°6	334	312	87	89	N	1	NNE	1	10	9	—
10	29°85	29°88	56°4	50°6	41°1	64°0	6°0	3°9	299	274	65	74	NNE	1	NE	1	9	0	—
11	29°98	30°03	58°0	55°0	39°7	67°2	6°0	2°6	318	359	66	83	NNE	1	ENE	1	4	0	—
12	30°07	30°09	64°6	54°9	44°2	75°0	7°6	2°9	370	350	61	81	ENE	0°5	NNE	1	0	10	—
13	30°03	30°03	54°0	48°7	48°0	58°8	2°1	2°8	357	277	85	81	WSW	1	N	0°5	10	7	—
14	29°91	29°76	50°1	44°7	41°9	57°5	2°2	3°5	306	221	84	74	SW	1	W	1	10	3	105
15	29°51	29°67	48°7	38°6	38°0	52°6	3°7	2°1	257	194	75	83	NNW	1	NW	1	10	8	053
16	29°73	29°70	41°8	37°7	33°8	47°0	3°0	1°8	205	192	79	84	NNW	1	NW	1	9	8	021
17	29°43	29°31	41°0	35°0	32°9	49°6	1°2	2°4	231	157	90	77	W	1	N	0°5	10	2	—
18	29°24	29°33	48°5	40°7	30°4	52°7	4°5	0°9	239	235	70	92	NNE	1	WNW	0°5	10	9	142
19	29°31	29°41	40°8	41°5	36°0	51°3	3°3	0°7	246	248	78	94	NW	1	W	0°5	10	9	047
20	29°43	29°40	49°6	43°5	32°7	52°5	4°0	2°5	262	229	74	80	N	1	NNE	0°5	9	8	032
21	29°36	29°42	49°9	42°8	32°0	53°3	3°7	1°2	270	249	75	91	NNE	1	NE	1	10	9	035
22	29°47	29°48	51°0	45°1	39°7	58°5	5°5	1°4	246	207	66	89	NE	0°5	NNE	1	8	9	040
23	29°30	29°37	47°5	43°8	36°0	49°7	3°8	2°0	242	243	74	84	S	2	ESE	2	10	10	026
24	29°56	29°68	48°0	45°8	43°3	56°5	2°6	2°5	272	253	82	82	NE	2	N	1	10	9	—
25	29°71	29°67	53°4	40°2	39°4	54°5	6°9	1°2	245	224	60	90	N	1	NNW	0°5	9	7	—
26	29°57	29°46	51°4	44°7	37°0	53°7	6°4	0°9	232	275	61	93	N	1	N	0°5	8	10	052
27	29°36	29°32	54°0	46°2	43°1	55°8	5°3	0°4	282	304	68	98	NNW	0°5	SW	0°5	10	10	170
28	29°25	29°22	47°6	46°3	44°4	54°5	0°6	1°7	315	274	96	88	SW	0°5	ESE	1	10	9	157
29	29°28	29°37	48°4	44°1	43°0	55°5	2°8	0°9	273	269	81	93	SW	2	SSW	1	10	8	030
30	29°36	29°53	54°0	51°9	39°7	58°2	5°0	3°4	288	301	69	78	S	4	S	1	9	8	120
31	29°51	29°51	55°7	53°4	44°6	59°5	6°6	1°0	278	380	62	93	SE	4	SE	3	10	10	303
Mean	29°55	29°52	50°8	45°5	39°7	56°2	4°1	1°9	274	266	73°9	86°2	1°5	1°1	9°0	7°5	2°65		

▲ shower 1p.

✱ shower ga. ▲ 2p.

MARKREE CASTLE (SLIGO).—MAY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	53.1	43.8	42.0	53.1	3.1	2.2	in.	in.	0	0	SSW	1	WNW	1	10	10	ins.
2	29.02	29.31	53.1	43.8	42.0	53.1	3.1	2.2	321	239	79	83	SSW	1	WNW	1	10	10	470
3	56	66	45.9	41.2	39.1	49.3	2.9	2.3	245	212	80	82	NW	1	SW	1	9	10	—
4	56	67	49.8	44.7	38.3	50.8	3.4	1.0	276	273	77	93	SW	2	SSW	1	10	8	120
5	81	85	50.0	48.2	37.6	57.6	5.0	2.1	245	285	68	86	N	0.5	SSE	0.5	7	10	—
6	83	79	52.0	50.0	44.3	57.4	4.0	2.7	287	293	74	82	SSE	4	SSE	3	10	10	040
7	79	79	51.0	48.0	46.3	59.2	0.9	1.0	362	309	94	93	S	1	Calm	0	10	9	070
8	70	43	49.0	42.1	38.9	51.9	1.7	0.2	305	264	88	98	SSE	0.5	WSW	0.5	10	10	370
9	33	68	44.7	48.0	39.0	57.6	1.7	2.9	257	265	87	80	Calm	0	N	1	10	9	030
10	84	89	58.2	47.0	38.8	63.1	4.4	0.5	360	311	74	97	N	2	Calm	0	7	9	—
10	29.92	29.94	58.2	50.4	41.3	66.9	7.9	2.2	279	310	57	85	ESE	2	Calm	0	6	5	—
11	30.04	30.09	60.4	53.2	37.3	70.1	8.0	2.3	304	343	58	84	Calm	0	Calm	0	6	5	—
12	13	18	65.3	50.1	39.5	66.6	5.8	0.2	429	357	70	98	NW	0.5	NNW	1	5	10	—
13	13	30.14	55.1	47.0	46.3	56.9	2.1	1.1	374	296	86	92	W	1	NNE	0.5	10	3	—
14	30.00	29.88	51.0	45.2	39.7	55.7	2.9	2.1	301	253	81	85	WSW	1	WNW	0.5	10	9	150
15	29.66	82	48.8	42.0	39.5	50.6	3.7	3.1	259	205	75	77	NW	6	NNW	4	10	9	100
16	86	81	41.9	36.1	33.5	46.0	2.6	0.8	214	198	81	93	NNW	4	NNW	0.5	9	10	200
17	54	40	40.4	36.3	35.0	47.4	2.2	0.7	207	165	83	77	N	1	NNE	1	10	5	—
18	35	44	47.7	42.0	27.8	51.2	4.6	2.0	229	225	70	85	NNW	2	Calm	0	8	8	140
19	4	53	44.0	40.9	38.7	47.4	2.3	0.8	238	238	82	94	NNW	1	N	0.5	10	10	060
20	52	48	43.1	42.0	37.8	52.5	0.6	2.0	265	225	95	85	N	2	Calm	0	10	8	—
21	45	52	48.9	42.0	28.0	56.2	4.9	0.8	236	249	68	94	NNE	1	NNE	0.5	8	9	140
22	56	57	49.4	40.1	32.0	52.6	5.1	1.1	237	225	67	91	N	1	Calm	0	7	7	080
23	37	36	42.8	44.1	31.2	46.2	1.1	1.2	251	262	92	90	S	3	ESE	1	10	10	120
24	61	79	51.8	45.9	43.1	57.0	3.8	1.8	290	268	75	88	ENE	2	Calm	0	10	8	040
25	83	79	50.7	44.9	41.1	52.3	4.8	1.9	257	254	69	86	NNW	2	NNE	0.5	9	10	—
26	68	58	47.3	45.5	37.3	52.1	4.4	2.4	229	250	70	83	NNE	1	N	1	8	9	010
27	47	39	50.2	46.5	40.1	53.9	2.4	1.1	302	291	84	92	NW	1	N	0.5	9	10	—
28	31	27	54.9	46.2	44.5	55.2	4.8	0.2	305	308	71	99	SE	0.5	Calm	0	9	10	800
29	36	39	51.8	43.0	42.2	55.2	5.0	1.0	265	255	70	92	WSW	1	SE	1	9	9	060
30	36	53	52.1	50.1	40.5	59.3	4.3	1.2	282	331	72	91	SW	4	SE	1	7	8	010
31	29.45	29.44	53.6	53.3	46.3	55.9	3.3	1.2	323	373	78	92	SE	4	SE	3	10	8	310
Mean	29.629	29.660	50.5	45.2	38.9	55.1	3.7	1.6	282	269	76.6	88.6	1.7	0.8	8.8	8.5	3.320		

PARSONSTOWN (BIRCH CASTLE).—MAY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.		
							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.	51.7	42.7	41.8	54.7	1.9	2.0	in.	in.	%	%	SW	2	Calm	0	10	10	ins.	Dull, with showers.
2	29.04	29.31	47.5	39.7	36.0	51.7	3.6	2.8	2.34	2.31	87	84	NE	1	Calm	0	8	4	0.42	Fine and bright.
3	51	66	48.7	45.7	35.0	55.9	3.2	2.2	2.46	2.58	78	85	SW	2	Calm	0	10	8	—	n. Dull day.
4	60	66	50.7	50.7	37.9	56.1	5.3	3.8	2.47	2.77	67	75	Calm	0	Calm	0	9	10	—	n. Fine, bright and warm.
5	79	83	52.1	49.7	40.8	58.7	4.8	2.6	2.71	2.92	70	83	SE	2	Calm	0	10	10	0.22	Dull a. in evening.
6	82	81	54.7	48.1	40.9	56.7	2.6	1.0	3.55	3.11	84	93	SE	1	Calm	0	10	2	0.32	Gloomy day. showers. (mist)
7	79	78	49.7	43.3	41.0	57.2	1.6	1.4	3.16	2.50	89	89	Calm	0	Calm	0	10	10	0.42	Dull, with showers.
8	67	41	46.0	46.0	34.8	55.9	3.0	3.0	2.44	2.52	79	79	Calm	0	Calm	0	10	4	—	Fine, bright and warm.
9	78	81	48.9	53.5	43.9	59.5	2.0	4.2	2.97	3.19	86	78	Calm	0	Calm	0	10	10	—	Fine and bright.
10	85	20.88	50.7	51.7	41.8	64.9	3.0	4.2	2.95	2.80	80	74	Calm	0	Calm	0	10	3	—	Fine, bright and warm.
11	29.99	30.03	56.0	56.7	37.2	68.3	6.3	2.6	2.97	3.84	64	84	Calm	0	Calm	0	5	0	—	Bright and warm. (mist) 9p.
12	30.10	12	60.7	59.7	42.2	74.7	4.4	5.3	3.95	3.57	75	70	Calm	0	Calm	0	10	8	—	Fine, bright and warm.
13	74	30.11	50.9	51.9	44.8	62.7	1.0	2.0	3.47	3.34	93	86	Calm	0	Calm	0	10	10	—	Dull day.
14	30.02	29.91	52.7	45.7	41.7	56.0	4.6	3.8	2.82	2.25	72	74	W	1	W	1	8	0	0.35	Fine, bright and warm.
15	29.09	79	47.9	41.3	40.6	52.7	4.7	2.4	2.29	2.11	69	81	W	2	NW	2	10	0	0.70	Dull, with a. in evening.
16	83	81	43.7	38.1	37.2	48.5	3.8	2.2	2.06	1.87	72	81	NW	1	NW	1	10	3	0.30	Cloudy, with a. in evening.
17	53	31	44.9	38.7	32.9	46.7	3.7	2.4	2.19	1.89	74	81	W	2	Calm	0	10	9	0.58	Dull, with a. in evening.
18	30	35	43.3	41.9	28.8	53.3	2.8	1.6	2.22	2.32	79	88	Calm	0	Calm	0	10	10	0.04	Dull, with a. in evening.
19	42	47	43.3	41.5	33.4	48.7	2.1	0.9	2.35	2.43	84	93	NE	1	Calm	0	10	10	0.07	— n. Dull and gloomy with a.
20	47	42	47.9	44.8	34.0	51.5	3.4	1.9	2.54	2.53	77	85	Calm	0	Calm	0	8	10	0.05	Cloudy, with a.
21	39	44	50.5	42.8	35.8	55.3	5.8	0.9	2.30	2.55	64	93	Calm	0	Calm	0	5	10	0.10	Fine, bright and warm. p.
22	52	55	50.5	44.3	34.2	54.7	3.6	2.1	2.79	2.45	76	84	Calm	0	Calm	0	8	4	0.00	Fine, bright and warm. showers p.
23	40	28	45.3	45.7	35.2	48.3	1.4	0.6	2.70	2.93	80	96	Calm	0	Calm	0	10	10	0.40	Dull and gloomy, with a.
24	47	70	50.7	45.9	41.9	55.3	4.6	2.0	2.60	2.64	71	86	NE	2	Calm	0	10	8	0.18	— n. Dull and cloudy.
25	77	75	50.3	42.7	37.2	55.1	4.6	2.8	2.56	2.16	71	79	Calm	0	Calm	0	8	4	—	Fine and bright.
26	64	53	47.9	44.7	33.0	52.9	4.5	1.6	2.33	2.59	70	88	Calm	0	Calm	0	10	10	—	Dull and gloomy.
27	45	36	49.7	47.2	38.6	54.5	2.8	0.3	2.88	3.18	81	98	Calm	0	Calm	0	10	10	0.30	2 all day.
28	29	23	49.1	46.7	43.0	54.9	1.9	0.6	3.02	2.95	86	96	Calm	0	Calm	0	10	10	0.70	Dull, with a.
29	37	48.5	44.9	41.6	54.7	54.7	3.6	2.3	2.57	2.48	75	84	Calm	0	Calm	0	9	10	0.15	Gloomy, with a.
30	38	50	54.0	49.9	40.9	59.9	3.9	2.0	3.12	3.08	75	86	Calm	0	SE	1	10	10	0.100	Gloomy, with a.
31	29.40	29.46	51.7	52.9	40.2	60.1	1.8	2.6	3.37	3.31	87	83	SE	5	SE	2	10	10	0.160	Gloomy, with a.
Mean	29.604	29.620	49.7	46.5	38.5	56.2	3.4	2.2	2.77	2.68	77.4	84.3	0.7		0.2	9.0	7.3	3.109		

DEERNESS.—JUNE 1891.

Height above Mean Sea Level, 169 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.

1	29°03	29°04	45°8	45°0	42°0	47°3	0°4	0°4	*299	2°89	97	97	ESE 3	E 2	10	10	—	all day.
2	29°05	30°01	49°0	45°0	43°0	49°8	0°5	0°0	*335	*299	97	100	ENE 5	ENE 3	0	10	*020	p.
3	30°02	29°09	46°0	43°8	43°0	48°8	2°0	2°8	*265	*226	86	78	NE 6	NE 5	10	8	—	
4	29°04	29°07	46°4	46°0	42°0	47°8	2°6	1°0	*256	*287	82	93	NE 6	NE 4	10	9	—	
5	30°04	30°09	46°0	44°5	42°0	48°8	4°0	3°7	*225	*216	73	74	NE 3	NE 2	10	10	—	Overcast all day.
6	30°06	29°04	45°5	44°0	43°0	47°8	3°4	2°0	*231	*244	77	84	N 2	NNW 4	10	10	—	
7	29°07	30°03	48°8	45°0	42°0	50°8	3°4	3°9	*265	*216	76	73	NNE 4	NE 3	4	3	—	
8	30°09	30°05	50°8	46°0	43°0	52°8	3°0	1°1	*296	*285	80	92	E 2	SE 1	3	1	—	
9	29°02	29°83	48°8	45°0	41°0	48°8	4°2	3°0	*249	*233	72	78	NW 2	N 2	8	10	—	
10	30°00	30°00	46°8	44°1	43°0	52°8	4°5	2°3	*222	*239	70	82	NNE 5	N 2	9	1	—	
11	29°07	29°09	46°0	46°0	40°0	49°8	2°0	4°0	*295	*235	86	73	NW 5	NNW 3	10	10	—	Overcast all day.
12	30°15	30°11	47°7	47°3	43°0	49°8	4°6	3°3	*229	*250	70	77	NW 2	W 2	10	10	—	
13	29°08	29°76	48°0	49°4	46°0	49°8	2°7	0°4	*270	*342	81	97	WSW 2	W 4	10	10	*150	
14	29°8	29°78	47°5	45°7	45°0	50°8	1°3	1°7	*297	*268	91	88	NW 5	WNW 1	10	6	*050	Cir. clouds in bands W. to E.
15	29°61	29°66	49°0	46°1	44°0	51°8	1°4	1°4	*312	*279	90	90	W 3	NNW 2	10	6	—	
16	29°84	29°84	48°6	48°0	43°0	50°8	3°8	1°2	*254	*304	74	92	SE 2	SSE 2	9	10	—	
17	29°75	29°79	54°0	53°8	47°0	58°8	0°9	0°3	*391	*406	94	98	S 3	WSW 3	10	10	*130	p.
18	29°90	29°00	52°7	52°8	52°0	61°8	0°2	0°8	*393	*377	99	94	S 1	WNW 1	10	9	*150	all day.
19	30°11	30°11	50°3	49°5	49°0	52°8	0°5	0°5	*352	*341	97	97	SE 2	S 1	10	2	—	a.
20	29°19	29°23	50°5	47°0	46°0	54°8	0°3	0°2	*360	*318	98	99	SSE 1	E 1	10	10	—	all day.
21	29°20	29°20	51°2	51°0	45°0	52°8	1°0	0°9	*350	*351	93	94	SE 3	SE 3	10	0	—	a.
22	29°24	29°25	55°8	48°2	47°0	55°8	2°3	0°2	*380	*332	85	99	SE 4	E 2	0	10	—	a. and p.
23	29°23	29°16	51°0	47°3	45°0	56°8	1°0	0°2	*348	*322	93	99	N 2	NE 1	0	10	—	p.
24	29°10	29°08	59°0	54°0	45°0	61°8	4°0	1°8	*380	*366	76	87	ENE 4	E 2	0	1	*080	
25	30°00	29°88	57°8	54°1	53°0	64°8	3°6	1°1	*374	*387	78	92	E 3	ENE 2	10	0	—	
26	29°77	29°65	60°0	53°0	51°0	61°8	3°4	0°7	*412	*383	80	95	ENE 4	ENE 3	0	0	*210	
27	29°52	29°46	51°2	51°0	48°0	53°8	0°1	0°0	*373	*374	99	100	ENE 4	NE 2	10	10	*480	● 2. K
28	29°58	29°58	50°2	49°0	48°0	51°8	1°9	1°3	*315	*315	87	91	NE 3	E 3	10	10	*150	p.
29	29°43	29°38	53°4	52°0	48°0	59°8	0°3	0°0	*400	*388	98	100	E 3	E 3	10	10	—	a. and 9 p.
30	29°31	29°29	57°5	54°3	51°0	58°8	1°5	1°5	*428	*378	90	90	SE 4	SSE 3	3	9	—	
Mean	29°915	29°907	50°5	48°3	45°3	53°5	2°2	1°4	*318	*308	85°6	90°1	3°3	2°4	7°5	7°2	1°420	

DUNROBIN CASTLE.—JUNE 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.								Per-centage.	
	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.	47°	48°	45°	50°	1°	1°	in.	in.	%	%	E	E	—	—	ins.	Fine, but with cold wind.
2	30°02	30°10	47°	48°	45°	50°	1°	1°	304	310	93	91	E	E	—	—	—	Fine, but with cold wind.
3	30°04	30°14	47°	48°	45°	50°	1°	1°	359	268	76	76	E	E	—	—	—	Dry, with cold wind.
4	30°20	30°15	48°	45°	45°	49°	2°	1°	296	264	86	88	E	E	—	—	—	Dull, with cold wind.
5	30°11	30°11	47°	51°	44°	51°	2°	2°	261	316	81	84	E	E	—	—	—	Dull, with cold wind.
6	30°19	30°25	48°	43°	43°	51°	1°	1°	312	245	92	85	E	NE	—	—	—	Dull, with cold wind.
7	30°24	30°24	47°	47°	41°	49°	2°	2°	260	276	81	84	E	NW	—	—	—	Fine and mild.
8	30°19	30°20	45°	46°	45°	49°	2°	3°	259	232	86	74	NW	NE	—	—	—	Cold wind.
9	30°23	30°21	51°	48°	45°	52°	2°	2°	314	270	82	81	SE	SE	—	—	—	Fine and clear. Cold wind.
10	30°14	30°01	54°	49°	39°	56°	4°	2°	318	284	75	81	SE	NW	—	—	—	Fine day.
11	30°08	30°20	51°	46°	45°	51°	5°	1°	261	287	69	91	NE	E	—	—	—	Fine day. Milder.
12	30°18	30°31	50°	49°	41°	61°	1°	2°	419	291	93	84	W	NE	—	—	—	Fine day.
13	30°33	30°28	50°	50°	48°	60°	3°	3°	275	286	75	80	W	W	—	—	—	Dull a. Fine p.
14	30°18	30°08	51°	50°	46°	58°	2°	0°	310	368	81	100	W	NW	—	—	—	Dull day.
15	30°05	30°07	52°	52°	44°	59°	2°	2°	341	328	87	84	W	NW	—	—	—	Dull a. Fine, but colder, p.
16	30°18	30°09	54°	51°	50°	56°	3°	3°	342	299	80	80	W	W	—	—	—	Fine p.
17	30°02	30°04	52°	50°	49°	57°	4°	0°	289	366	73	99	W	W	—	—	300	Fine a. Dull, with showers p.
18	30°06	30°09	60°	58°	49°	62°	2°	1°	461	442	87	90	W	W	—	—	350	Fine a. Dull p.
19	30°05	30°17	57°	58°	55°	64°	1°	2°	420	428	89	87	W	W	—	—	—	Dull day.
20	30°27	30°31	55°	58°	50°	59°	2°	1°	367	451	85	92	SE	NE	—	—	—	Fine and warm.
21	30°35	30°37	59°	58°	48°	62°	0°	2°	482	418	84	86	SE	E	—	—	—	Fine and warm.
22	30°35	30°36	60°	58°	50°	60°	2°	1°	457	458	88	94	E	E	—	—	—	Fine and dry.
23	30°36	30°38	55°	55°	52°	63°	1°	2°	406	342	92	77	E	E	—	—	—	Fine and dry.
24	30°41	30°33	53°	53°	51°	55°	2°	3°	351	343	85	84	E	NE	—	—	—	Dull, with (mist).
25	30°22	30°24	60°	55°	49°	62°	3°	1°	427	410	82	93	NE	E	—	—	—	Fine a. Dull p.
26	30°14	30°03	61°	58°	54°	67°	2°	2°	467	420	87	85	E	E	—	—	—	Fine, dry, and breezy.
27	30°01	30°08	63°	59°	58°	66°	3°	1°	454	403	78	92	NE	NE	—	—	560	Fine, dry, and breezy.
28	30°07	30°06	57°	57°	54°	59°	0°	1°	445	421	95	89	SE	NE	—	—	630	⌚ a. and p.
29	30°05	30°08	54°	53°	51°	57°	1°	2°	390	346	92	84	E	E	—	—	230	—
30	30°02	30°03	58°	60°	51°	64°	1°	3°	434	428	88	82	E	E	—	—	050	Fine and warm.
31	30°47	30°48	60°	59°	55°	61°	2°	1°	433	454	83	90	E	E	—	—	—	Dull day.
Mean	30°08	30°08	54°	52°	48°	58°	2°	2°	364	350	84°	86°	—	—	—	—	1°680	—

LAUDALE.—JUNE 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.				Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	60.0	62.0	50.1	69.3	6.3	7.3	.337	.340	95	61	N	3	SE	1	8	5	ins.	Fine and very warm.
2	58.7	59.5	65.5	64.0	51.7	69.6	10.5	11.8	.316	.271	50	46	E	5	E	4	1	3	—	Very dry and warm.
3	59.8	59.6	65.0	65.0	46.0	70.5	9.7	9.0	.327	.223	52	52	E	4	E	5	2	0	—	Fine and very warm.
4	29.92	29.94	59.2	53.0	47.0	66.0	6.2	5.3	.328	.271	65	68	E	5	E	5	1	2	—	Fine day.
5	30.03	30.11	57.3	55.3	48.1	66.2	7.4	7.0	.279	.264	60	61	E	4	ESE	2	1	2	—	Fine day.
6	12	10	58.2	50.7	44.2	66.0	7.8	2.7	.281	.302	58	82	E	2	Calm	0	0	2	—	Fine and warm.
7	06	13	54.0	48.9	42.7	68.9	9.7	6.2	.273	.213	66	61	SE	2	NE	4	7	0	—	Fine and clear from 10a.
8	14	30.14	56.3	52.5	40.9	63.9	5.3	5.0	.233	.272	51	70	E	4	SW	4	2	0	—	Fine all day. at night.
9	03	29.97	57.0	56.9	52.2	63.5	7.1	4.2	.281	.345	61	74	Calm	0	Calm	0	0	2	—	Fine and clear.
10	00	30.10	54.0	56.0	37.2	65.5	6.3	8.0	.261	.254	63	56	E	4	NE	4	1	0	—	a. Fine day.
11	15	26	55.1	52.2	39.5	63.5	8.0	4.3	.242	.283	56	73	NE	2	Calm	0	1	0	—	a. Fine day.
12	33	23	52.8	49.3	38.7	65.2	4.7	3.1	.281	.277	71	79	ESE	4	ESE	4	0	4	—	
13	32	18	51.0	51.0	41.0	54.7	2.0	2.0	.323	.323	86	86	ESE	4	NW	3	10	10	0.70	(mist). Dull and cold.
14	30.11	30.02	54.0	54.2	45.1	57.7	1.8	6.2	.366	.266	87	63	Calm	0	Calm	0	10	10	.250	showers.
15	29.82	29.86	52.2	52.5	47.7	58.5	1.2	1.0	.358	.368	92	94	Calm	0	Calm	0	10	10	.120	a. (mist) all day.
16	29.99	30.05	53.0	54.0	48.2	58.1	1.2	1.8	.369	.366	92	87	Calm	0	Calm	0	10	10	.060	showers. (mist) a. and p.
17	30.01	30.07	59.5	57.0	49.5	62.2	1.5	1.7	.460	.474	91	89	W	2	W	3	10	10	.110	showers a. (mist) p.
18	10	20	58.0	56.0	55.0	59.0	1.5	0.7	.436	.428	90	95	W	3	Calm	0	10	10	.260	showers. (mist).
19	27	30	56.4	58.4	54.1	69.3	0.4	2.0	.443	.428	97	87	Calm	0	Calm	0	10	1	—	(mist) a. Fine and clear from 2p.
20	30	31	66.1	60.5	50.5	72.8	3.2	2.5	.525	.446	83	85	Calm	0	Calm	0	2	0	—	Fine and very warm.
21	37	26	71.7	66.5	56.2	79.0	7.6	5.5	.489	.459	62	71	Calm	0	Calm	0	0	2	—	Fine and very warm.
22	29	30	69.1	63.0	55.7	78.7	10.8	5.3	.359	.405	51	71	Calm	0	Calm	0	0	4	—	
23	28	17	70.5	70.5	54.9	79.5	6.5	7.5	.501	.470	67	63	Calm	0	ENE	3	0	0	—	Fine and warm. Squally n.
24	06	30.07	68.7	67.5	62.0	73.5	7.7	4.8	.433	.499	61	75	E	5	NE	5	10	6	—	Fine p. Distant T 3p.
25	30.01	29.84	67.9	70.2	63.0	76.5	5.9	7.0	.471	.480	68	65	E	5	SE	5	2	5	—	
26	29.69	64	67.1	65.3	62.0	76.0	2.1	2.6	.583	.530	88	86	SE	3	SE	1	10	10	.230	showers.
27	62	64	61.4	57.6	54.0	69.0	4.4	2.6	.406	.398	75	83	SE	2	SE	2	8	8	.010	
28	69	62	61.0	60.0	48.7	63.6	3.6	2.5	.422	.438	79	85	Calm	0	S	2	10	5	.160	most of day. Cold.
29	52	43	57.6	56.7	54.0	61.3	2.6	1.7	.398	.409	83	89	SE	5	SW	2	10	10	.520	10a.—6p.
30	29.37	29.47	58.3	58.3	54.7	60.3	3.4	3.3	.386	.389	80	80	SW	2	SW	1	10	8	.350	10a.—4p.
Mean	30.007	30.006	59.9	57.8	49.8	66.9	5.2	4.5	.372	.361	71.7	74.6	2.3	2.0	5.2	4.6	2.1	1.0		

DUNDEE.—JUNE 1891.

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.

1	29.89	29.87	45.4	47.9	43.2	55.2	0.0	1.4	.304	.299	100	91	E	1	SE	1	10	0	—	Dull till 11a., then fine.
2	82	91	57.1	51.5	46.4	62.9	4.7	2.3	.336	.321	72	84	SE	6	NE	2	5	0	—	Fine day.
3	91	88	62.7	45.4	45.0	65.5	5.3	2.6	.402	.246	70	82	E	2	SE	4	0	0	—	Fine day.
4	84	29.84	52.8	48.6	38.5	58.6	5.1	1.2	.274	.312	69	92	E	6	E	6	7	10	—	/ at times.
5	29.96	30.04	47.5	43.2	43.0	55.8	1.7	1.1	.287	.355	88	91	E	6	NE	1	10	7	—	Dull till 2p., then cloudy.
6	30.03	30.01	46.5	43.5	39.2	52.8	3.5	1.0	.238	.260	76	92	E	2	NE	1	10	7	—	Dull till noon.
7	29.92	29.98	46.0	44.9	40.5	53.8	0.8	2.3	.292	.247	94	84	E	1	NE	4	10	10	.030	Dull, with showers.
8	30.01	30.04	51.6	46.3	43.7	56.7	4.3	1.2	.277	.285	73	92	E	4	SE	1	10	5	—	Cloudy day.
9	29.91	29.79	56.7	45.7	38.8	68.0	6.3	1.2	.296	.280	64	92	W	1	SE	1	5	5	—	Fine day.
10	84	29.99	52.9	47.2	43.4	63.6	4.2	1.3	.294	.294	73	91	NE	2	SE	1	10	7	—	Fine day.
11	29.98	30.09	59.6	48.3	37.8	71.8	6.7	1.7	.323	.296	64	88	SW	1	SW	1	0	5	—	Fine day.
12	30.18	30.16	55.6	46.1	46.0	62.5	5.2	1.5	.307	.277	69	89	SW	1	NE	1	10	0	—	Dull till 10.30a.
13	30.01	29.91	58.0	55.1	38.8	65.3	4.0	4.6	.367	.313	76	72	SW	1	W	2	10	10	—	Dull day.
14	29.88	83	55.4	50.4	50.3	63.7	4.4	1.9	.322	.318	73	88	NW	8	SE	1	5	10	.050	Cloudy day.
15	66	69	51.4	52.6	46.0	56.6	1.7	0.6	.336	.380	89	96	NW	1	SE	1	10	10	.470	6a.—7p.
16	85	91	49.4	51.7	48.4	59.3	2.5	1.3	.292	.349	83	91	SE	1	SE	1	10	10	—	Dull day.
17	89	29.92	59.5	61.5	51.0	69.7	2.5	3.5	.429	.439	85	80	W	1	W	6	10	10	—	Dull day.
18	29.94	30.04	62.9	60.5	56.9	69.0	2.3	2.9	.495	.434	87	83	W	1	W	1	10	10	—	Dull day.
19	30.10	16	64.0	55.1	55.1	69.7	4.1	0.9	.473	.408	77	93	SW	1	NE	1	10	10	—	Cloudy day.
20	20	23	64.0	53.6	48.7	65.8	4.5	1.2	.446	.378	75	92	SE	1	NE	1	0	5	—	Fine day.
21	21	20	61.1	48.9	47.5	63.7	4.8	0.5	.390	.333	73	97	SE	1	SE	1	5	10	—	(mist) till 6p.
22	20	20	64.3	51.4	42.6	69.6	5.4	1.0	.424	.353	71	93	SE	1	SE	1	0	7	—	Fine day. (mist) from 8p.
23	12	30.04	64.1	63.0	48.0	74.8	3.6	6.6	.471	.371	80	65	NE	1	NE	6	0	5	—	Fine day.
24	30.01	29.99	58.0	57.5	57.3	68.9	2.6	1.9	.404	.416	83	88	E	6	E	2	10	10	—	Dull day.
25	29.91	80	65.9	58.0	53.3	73.1	4.5	2.4	.478	.410	75	85	SE	6	SE	1	5	5	—	Cloudy day. Gustly till 4p.
26	67	58	63.4	55.4	55.0	72.7	3.4	0.5	.469	.425	80	97	NE	4	SE	1	10	10	.060	from 6.30p.
27	50	47	66.8	58.0	54.2	73.2	2.9	1.1	.550	.448	84	92	W	1	W	1	5	10	.050	Cloudy day. 4p.—6.30p.
28	56	54	64.2	59.4	53.1	65.9	3.7	3.3	.474	.405	79	81	W	2	W	1	10	10	.070	Cloudy day. 1p.—3p.
29	44	36	65.7	58.0	55.1	72.7	5.1	1.3	.457	.442	72	91	W	1	W	1	5	10	.030	Cloudy day. showers, 8p.—8p.
30	29.34	29.39	61.9	58.5	54.6	66.4	3.5	2.4	.440	.417	79	85	SW	6	SW	6	10	10	—	Cloudy day.
Mean	29.892	29.895	57.8	52.2	47.4	64.9	3.8	1.9	.378	.347	77.8	87.9	2.6	2.0	7.1	7.3	0.760			





GLASGOW.—JUNE 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	50.1	49.4	40.1	62.5	5.0	1.4	.311	.317	86	90	E	2	SE	2	10	10	ins.	Cloudy and squally.
2	*69	*82	58.3	52.6	46.6	64.6	5.0	2.8	.345	.323	71	82	NE	2	NE	2	7	6	—	Cloudy and squally.
3	*85	*82	52.2	47.0	46.3	57.9	2.4	2.6	.328	.262	84	82	E	1	E	4	8	10	—	Cloudy and squally.
4	76	*77	47.8	50.0	43.7	55.0	3.4	3.0	.254	.286	77	80	E	3	NE	2	8	10	—	Cloudy and squally.
5	*90	*98	49.6	47.0	45.7	56.0	2.6	2.6	.290	.262	82	82	NE	1	NE	1	10	4	—	
6	*98	*96	47.6	45.8	43.0	55.8	3.6	2.6	.247	.249	75	82	NE	1	E	1	9	0	—	Dull a. Fine and bright p.
7	*91	29.93	49.0	48.3	40.2	56.9	2.8	3.2	.279	.263	80	78	NE	1	NE	1	10	10	*057	Dull and cloudy.
8	*96	30.00	51.6	48.1	44.6	55.0	4.8	3.0	.266	.265	70	79	NE	2	E	1	7	3	—	Cloudy.
9	*90	29.74	54.6	50.0	45.2	64.7	7.2	4.4	.251	.257	59	72	N	1	NE	1	3	4	—	
10	*83	29.96	51.7	50.3	44.0	62.4	4.1	4.9	.281	.250	74	69	NE	1	NE	1	10	5	—	
11	29.99	30.04	56.4	51.2	40.4	60.5	5.5	3.9	.308	.280	68	75	W	1	E	1	4	0	—	
12	30.16	30.14	53.5	53.1	43.6	67.6	3.4	4.3	.331	.294	78	73	W	1	SW	1	10	7	—	
13	30.04	29.97	53.0	51.6	45.1	56.7	2.0	2.5	.348	.318	86	83	W	1	W	2	10	10	—	Dull and overcast.
14	29.92	*84	56.4	50.1	49.7	57.8	5.0	2.9	.319	.289	70	81	W	1	W	1	8	8	*148	Dull and overcast.
15	*66	*69	53.4	53.3	48.0	58.7	1.5	1.9	.366	.355	90	87	W	1	W	1	10	10	*014	Overcast, with ☉.
16	*85	*92	53.2	55.5	51.2	62.0	1.6	3.4	.361	.346	89	79	W	1	SW	1	10	10	—	Dull and cloudy.
17	*90	29.95	50.5	50.1	55.3	63.5	2.2	2.6	.439	.421	87	85	W	1	W	1	10	10	*027	Dull and overcast.
18	29.98	30.06	58.4	57.8	56.3	63.0	2.5	1.0	.443	.447	84	94	SW	1	SW	1	10	10	—	Dull and overcast.
19	30.13	*12	60.3	62.2	56.6	70.9	1.9	2.8	.461	.465	89	83	W	1	Calm	0	10	6	—	Dull and cloudy.
20	*15	*14	67.2	61.8	51.8	77.7	5.1	5.5	.482	.382	73	70	Calm	0	NE	1	0	8	—	☼ (mist) a.
21	*16	*14	62.3	57.2	50.1	73.8	6.8	5.4	.357	.322	63	68	E	1	E	2	0	6	—	Fine and clear.
22	*15	30.13	63.0	61.7	48.3	73.6	8.9	5.3	.318	.386	55	71	NE	1	E	1	4	4	—	Fine and clear.
23	30.09	29.97	65.3	58.0	49.6	74.5	8.2	4.6	.366	.352	58	73	E	1	NE	2	0	4	—	Fine and clear.
24	29.91	*92	59.3	58.6	55.3	69.9	3.1	1.8	.409	.436	82	88	E	1	NE	1	10	10	—	
25	*84	*68	60.0	58.7	55.2	70.7	3.2	2.6	.431	.415	82	83	E	2	NE	2	10	6	*156	
26	*60	*49	57.3	57.3	55.8	65.7	0.7	1.0	.449	.439	95	93	E	1	NE	1	10	10	*550	☼ ☉ ☼ a.
27	*49	*48	60.3	57.4	54.7	68.5	3.0	2.4	.428	.400	82	85	S	1	SW	1	10	4	—	☉ early a. Overcast day.
28	*58	*51	59.8	58.7	55.5	66.0	4.3	3.5	.384	.380	75	79	SW	1	S	1	10	6	*066	Dull and cloudy.
29	*40	*31	61.0	57.2	52.0	62.4	6.4	4.7	.348	.338	65	72	S	1	S	2	7	10	*055	Dull and overcast.
30	29.28	29.36	58.2	57.5	55.7	63.5	3.6	2.7	.379	.394	75	83	S	1	S	2	10	7	*053	Cloudy, with ☉.
Mean	29.861	29.853	56.4	54.2	49.2	64.2	3.9	3.2	.351	.340	76.9	80.0	1.2		1.4	7.8	6.9	1.126		

SCARBOROUGH.—JUNE 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	40.7	50.4	43.3	54.2	0.7	1.2	302	334	95	91	NE 1	NE 1	5	0	ins.	Sea  till noon, then bright.
2	73	81	54.6	50.8	47.8	57.2	2.2	1.6	365	330	86	88	SE 2	NE 1	5	0	—	Very fine.
3	81	74	58.6	50.9	48.3	59.7	4.1	1.9	371	324	76	87	NE 2	NE 1	1	0	—	Very fine.
4	72	71	54.4	50.4	48.5	57.9	2.5	0.8	353	344	83	94	NE 3	NE 1	5	10	—	Very fine. Evening overcast.
5	81	93	53.6	47.6	47.3	55.0	2.8	0.6	335	315	81	96	E 3	NE 3	3	1	—	Very fine.
6	93	95	51.6	47.1	47.1	54.3	2.4	2.6	321	263	84	82	NE 4	NE 4	3	9	0.10	Very fine a.
7	87	85	46.7	47.6	45.0	51.3	0.4	0.9	309	307	97	94	E 3	NE 3	10	10	—	Fair p.
8	86	93	50.1	48.8	46.6	53.6	0.9	0.7	338	327	93	95	NE 2	E 2	10	9	—	Dull a. Fair p.
9	88	76	49.6	45.4	45.3	50.5	1.4	2.7	319	243	90	81	NE 2	W 1	10	3	—	Bright early a, then dull.
10	80	29.91	48.9	46.7	43.0	51.3	2.6	2.9	281	253	82	81	N 3	NW 4	10	9	—	Fine day.
11	29.99	30.06	49.1	47.1	46.0	54.3	3.3	1.3	270	293	77	91	N 3	NW 2	8	5	—	Very fine, but with cold wind.
12	30.19	30.19	50.1	46.9	46.0	55.2	4.3	2.0	260	274	72	86	NW 3	S 1	9	1	—	Brilliant and warm.
13	30.09	29.95	50.9	50.9	45.0	59.2	8.5	2.6	382	388	58	84	SW 2	W 4	1	9	—	Dull, then fine.
14	29.92	29.85	55.8	55.3	50.0	58.5	4.3	4.5	328	317	74	72	W 4	W 3	10	5	0.10	early a, then fair.
15	74	29.67	55.5	53.6	48.3	65.6	2.3	1.9	374	358	85	87	W 1	NW 2	9	10	0.06	Very fine.
16	29.86	30.02	50.6	51.6	49.1	58.6	1.6	2.0	338	330	89	86	NW 3	S 1	10	4	—	Fine day.
17	30.02	30.07	59.5	62.4	47.5	70.0	3.8	2.3	393	483	77	87	SW 4	SW 2	5	4	—	Brilliant day.
18	07	10	66.6	61.6	59.6	74.5	4.7	4.4	483	409	75	75	SW 4	SW 2	7	8	—	Very fine and warm.
19	14	17	67.3	56.7	56.1	70.3	5.9	1.3	459	421	69	92	SW 3	Calm	4	3	—	Very fine and warm.
20	20	20	52.9	52.2	51.2	57.3	1.1	0.7	370	371	93	95	NW 2	NE 2	8	10	0.10	Very fine and warm.
21	21	12	50.5	55.9	49.0	58.2	0.0	5.6	367	301	100	67	NE 3	NW 2	10	4	—	Very fine from 6p.
22	30.10	30.07	58.3	56.2	50.0	61.5	1.6	1.3	437	413	89	91	N 4	NE 5	10	3	—	Very fine.
23	29.92	29.88	59.0	54.1	53.1	60.3	3.1	0.2	404	413	81	98	NW 6	N 2	2	10	1.70	Brilliant, then dull with  .
24	88	90	56.5	55.9	52.0	62.0	0.7	0.6	436	430	96	96	NW 3	N 1	10	3	—	Very fine.
25	79	71	58.1	56.1	55.0	60.3	1.7	0.6	431	433	88	96	NW 2	NE 1	10	10	—	Fair, then dull.  9p.
26	64	60	63.0	66.1	55.5	71.3	1.6	3.3	518	522	90	81	SW 1	S 2	5	5	—	Fine day.
27	60	65	63.8	66.6	56.0	68.3	4.6	3.4	439	421	74	80	SW 4	SW 5	8	8	0.20	Fine day.
28	60	66	62.4	64.1	53.0	71.3	4.2	2.9	427	496	76	82	SW 3	SW 2	7	10	1.20	Fine, then  .
29	49	49	63.1	63.6	54.0	73.3	4.9	4.4	526	443	74	75	SW 2	SW 2	5	5	—	Fine day.
30	29.50	29.58	64.6	60.1	56.0	71.8	5.6	3.4	424	413	70	80	SW 5	SW 2	5	3	—	Very fine.
Mean	29.876	29.875	56.5	54.1	49.6	61.2	2.9	2.2	378	366	82.5	86.3	2.9	2.1	6.8	5.7	0.400	

CRONKBORNE (DOUGLAS, ISLE OF MAN).—JUNE 1891.

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.

1	29.75	29.66	59.6	56.8	52.0	66.2	5.1	3.9	361	352	71	76	ENE 5	ENE 4	7	2	0.47	☉ showers a. Cloudy day.
2	72	78	55.2	56.2	51.0	61.7	2.2	1.2	373	416	86	92	SSE 2	ENE 3	8	10	0.08	(gale) ☉ showers a. Cloudy day.
3	75	69	60.2	56.8	53.3	65.9	4.4	1.8	388	408	74	88	E 4-5	ENE 4	7	10	1.56	Fine, with squally ☉ p. 8p.
4	63	65	53.8	51.0	50.2	56.8	0.3	0.8	406	353	98	94	ENE 5-6	ENE 6-7	9	10	0.578	Overcast, with squally ☉.
5	81	93	52.8	40.6	48.0	56.3	2.2	1.1	340	327	85	93	ENE 5-6	ENE 2	9	8	0.22	Squally a. Overcast, with ☉ showers.
6	92	93	55.2	46.8	37.4	58.3	3.6	1.4	337	287	78	90	E 3	ENE 4	6	3	—	Fine day.
7	89	90	51.0	49.8	41.4	54.7	2.6	3.4	309	275	82	77	E 4	E 3	7	8	0.001	Cloudy day.
8	92	94	55.0	53.0	45.0	59.5	4.4	4.3	316	292	73	73	ENE 5	ENE 3	3	1	—	☉ a. Fine day.
9	92	81	57.0	51.7	47.0	61.4	2.0	4.1	405	282	87	74	E 2	NW 3	2	7	—	Fine day.
10	29.87	29.98	58.5	48.0	47.0	60.2	3.5	3.2	387	259	79	78	NNW 4	NW 2	4	8	—	Very fine.
11	30.05	30.11	57.0	51.0	43.1	63.7	5.4	1.0	320	348	68	93	ENE 2	NW 2	3	1	—	Very fine.
12	24	23	57.3	48.0	46.6	65.0	3.9	1.0	358	309	76	93	E 2	Calm	4	2	—	Very fine. ☉ p.
13	17	30.10	54.7	50.2	43.3	63.4	1.1	1.2	396	332	93	92	W 3	NW 2	10	3	—	Dull day.
14	30.05	29.93	55.2	51.6	49.2	60.0	3.6	0.8	337	361	78	95	NW 3-4	NW 1	7	7	0.11	Fine day. ☉ showers n.
15	29.76	29.79	59.6	52.8	50.0	61.8	4.4	1.4	379	361	74	90	WNW 3	NNW 4	4	4	—	Cloudy day.
16	29.96	30.03	56.2	54.0	50.8	62.3	3.2	0.8	362	394	80	94	WNW 2	WNW 1	9	8	—	Dull a. Fine afternoon.
17	30.04	30.08	58.8	54.8	51.8	61.6	1.2	4.8	458	394	83	71	WSW 2	SW 3	10	4	—	Dull day.
18	12	16	60.3	54.2	49.4	64.8	2.7	2.4	437	353	84	84	WSW 3	Calm	4	4	—	Fine day. ☉ p.
19	19	18	63.3	57.4	48.0	69.0	4.1	1.2	445	435	77	92	SE 1	NNW 1	2	2	—	☉ (mist) a. Very fine. ☉ p.
20	19	18	64.2	61.5	49.0	74.9	5.5	3.7	420	427	70	79	ESE 2	E 2	3	3	—	☉ (mist) a. Very fine. ☉ p.
21	19	13	62.8	56.4	50.4	73.3	9.8	2.4	294	385	52	85	ESE 2	NW 1	0	3	—	Very fine.
22	12	30.09	69.3	63.8	50.0	72.6	8.1	6.4	432	389	60	66	ENE 3	ENE 4	4	4	—	Very fine.
23	30.02	29.89	70.0	59.0	57.4	74.2	9.8	2.2	397	430	54	87	NE 5	NE 6	1	7	—	Fine, with squally ☉.
24	29.84	29.84	64.7	61.0	56.3	73.0	3.0	0.8	505	510	83	95	ENE 4-5	N 2	6	10	0.540	☉ a. Fine day. ☉ p.
25	77	63	62.0	61.0	59.0	68.8	0.7	0.2	531	530	96	99	NE 2	E 3	10	10	0.986	☉ (mist) a. Dull day. ☉ showers p.
26	63	58	63.7	53.0	52.8	66.0	2.1	0.0	516	403	88	100	Calm	NE 1	9	3	0.338	☉ (mist) a. Dull day. ☉ showers p.
27	51	64	55.0	56.0	52.4	61.3	0.2	0.3	427	440	99	98	SE 4	SW 4	10	10	0.192	☉ (mist) a. Dull day. ☉ showers p.
28	63	58	57.7	54.2	53.2	58.2	0.7	0.2	455	415	95	99	SSE 4-5	SW 2	10	10	0.064	Overcast, with ☉ (mist).
29	48	38	56.5	56.0	51.8	61.0	1.4	0.0	415	433	91	100	SSE 2	S 4	9	10	0.093	Dull, with ☉ showers. ☉ showers.
30	29.40	29.50	55.8	55.0	53.8	58.4	0.8	1.2	422	397	94	92	S 5-6	SW 4-5	9	4	—	☉ a. Dull and squally.
Mean	29.884	29.877	58.7	54.3	49.7	63.8	3.4	1.9	398	374	80.6	88.0	3.2	2.7	6.2	5.9	3.126	

STONYHURST.—JUNE 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.	62.1	56.0	49.4	69.4	0.9	2.8	351	370	63	82	NEb.N1	NEb.E2	3	0	ins.	☼ (mist) a. Fine and sunny.
2	48	54	55.4	57.1	51.0	60.9	1.4	1.6	398	419	91	89	NEb.E1	NbyE1	10	9	0.049	☉ a. and p. Overcast and gloomy.
3	52	50	60.4	54.2	51.4	68.7	2.9	5.3	433	285	83	68	NbyE1	NNE 2	9	8	—	Overcast a. Fine p.
4	42	43	56.0	49.3	49.0	59.8	3.9	0.8	343	331	76	95	NbyE1	NbyE2	10	10	0.420	Overcast. ☉ p.
5	57	68	50.5	47.8	47.6	60.7	1.4	3.0	331	263	90	80	NEb.E2	NEb.N1	10	8	—	Overcast a.
6	66	60	53.8	44.8	44.2	58.7	5.0	2.9	287	334	69	79	NE 2	NNE 1	7	1	—	Cloudy a.
7	66	64	47.1	47.1	40.7	54.3	2.5	2.7	265	261	82	81	NE 1	NbyE1	10	10	—	Overcast.
8	64	67	53.3	51.0	44.5	61.8	4.7	3.0	287	299	70	80	NE 2	NEb.E2	10	9	—	Overcast a.
9	66	57	56.6	51.6	45.0	60.0	7.6	5.6	267	250	58	66	ENE 2	Calm 0	1	9	—	☼ a. Fine and sunny, then overcast.
10	59	71	56.1	51.5	40.0	63.4	4.8	4.4	323	273	71	72	NEb.N1	Calm 0	0	0	—	Fine and sunny a. Cloudy p.
11	80	83	52.5	52.0	37.3	62.9	5.0	2.4	272	325	69	84	Calm 0	SWb.S1	0	3	—	Fine and sunny.
12	98	99	57.5	52.0	43.6	61.4	5.2	2.4	320	325	70	84	ENE 1	SSW 1	7	0	—	☼ p.
13	94	85	59.8	51.2	43.2	63.0	5.0	2.2	367	320	71	85	SW 2	W 1	9	1	0.050	☼ (mist) a. Overcast. ☉ p.
14	79	71	53.0	51.2	49.3	57.9	3.5	1.8	311	330	77	88	WhyN3	SSW 1	10	10	0.144	Overcast.
15	55	50	52.4	52.2	48.9	61.0	0.6	1.2	377	358	96	92	SWb.S1	swb.W1	10	9	—	☼ (mist) a. Overcast.
16	68	80	56.3	52.0	51.0	60.9	3.7	2.4	351	325	77	84	W 3	Calm 0	9	4	0.032	☉ a. Overcast.
17	84	86	54.6	60.0	48.0	62.7	0.7	2.1	407	450	95	87	Calm 0	SWb.S1	10	10	0.015	☉ a. Overcast.
18	90	93	58.5	56.8	55.0	65.6	2.5	1.7	414	411	84	89	SWb.S2	Calm 0	7	—	—	☼ a. and p. Sunny p.
19	94	93	60.9	61.8	49.8	73.9	2.6	2.4	450	472	85	85	Calm 0	Calm 0	10	4	—	☼ a. and p. Sunny p.
20	95	96	68.3	62.6	56.9	76.0	6.3	9.0	466	309	67	54	N 1	NEb.N1	0	0	—	Fine and sunny.
21	94	91	66.2	59.8	50.2	71.8	8.5	6.6	371	328	58	64	NNE 1	N b. E1	0	—	—	Fine and sunny.
22	88	85	62.5	60.0	54.3	72.9	3.5	3.5	449	409	79	79	NEb.N2	NNE 1	10	4	—	Cloudy day.
23	73	64	69.3	57.0	54.0	73.4	9.6	2.8	392	383	54	82	NNE 3	NNE 2	0	10	—	Sunny a. Cloudy p.
24	61	60	64.6	65.4	55.7	75.5	3.5	4.3	487	475	81	77	NNE 2	NE 2	10	9	0.055	Cloudy day. ☼ 9p.-11p.
25	53	43	61.1	62.0	57.9	76.1	1.2	1.5	499	504	92	91	N 3	NE 1	10	10	0.204	☼ a. and p. Overcast. ☉ p.
26	41	37	64.8	62.8	59.0	75.9	2.8	2.6	513	484	83	84	NEb.E1	S 1	10	10	0.010	☼ a. Overcast.
27	35	42	61.2	57.5	54.2	62.8	5.3	3.7	379	367	71	78	SEb.S4	SbyW2	10	10	0.110	Overcast, with ☉.
28	48	39	60.4	62.0	52.9	66.9	4.0	4.0	401	427	76	77	SSE 2	SEbyS1	10	9	—	Overcast.
29	28	22	62.3	57.4	55.7	67.5	7.0	1.4	352	429	63	91	S 2	SSE 3	8	10	0.355	Overcast, with ☉ p.
30	29.23	29.33	62.3	58.0	55.1	65.3	4.6	4.5	415	355	74	74	SSE 5	SSW 2	9	1	—	Cloudy day.
Mean	29.652	29.646	58.7	55.5	49.8	65.7	4.2	3.2	376	359	75.8	80.7	1.7	1.2	7.4	6.5	1.474	

1	29° 57'	29° 42'	70° 7'	60° 3'	54° 8'	73° 2'	7° 7'	6° 1'	*469	*345	62	66	E	1	E	3	8	10	*010	Threatening appearance.	∞
2	*64	*06	60° 3'	54° 0'	50° 1'	65° 8'	6° 1'	3° 7'	*345	*330	66	76	S	2	N	1	8	5	—	Fine day.	
3	*59	*51	66° 1'	58° 0'	46° 0'	66° 4'	8° 5'	3° 6'	*370	*377	58	78	E	2	E	1	7	10	*600	Fine day.	∞
4	*43	*54	58° 8'	55° 7'	53° 0'	60° 0'	1° 1'	1° 6'	*461	*397	94	90	Cal'm	0	Cal'm	0	10	7	—	● ² in past n.	
5	*68	*74	60° 3'	55° 5'	53° 6'	65° 8'	3° 9'	2° 1'	*403	*379	77	86	SW	1	E	2	9	3	*170	● ^p .	
6	*75	*72	52° 9'	53° 5'	49° 5'	58° 2'	3° 5'	2° 8'	*309	*334	77	81	NE	3	E	3	5	9	—	Dull day.	
7	*74	*75	51° 1'	51° 0'	45° 5'	57° 0'	5° 2'	3° 6'	*252	*285	68	76	NE	5	E	4	6	10	—	Dull and cold.	
8	*75	*74	55° 1'	50° 1'	43° 4'	65° 0'	5° 9'	4° 7'	*383	*322	65	71	E	—	NE	3	9	10	*030	—	
9	*76	*73	63° 4'	54° 3'	50° 8'	68° 1'	8° 0'	2° 9'	*244	*342	59	80	E	3	N	1	4	0	—	Fine day.	
10	*79	29° 92'	64° 0'	52° 7'	41° 7'	65° 4'	9° 4'	3° 3'	*321	*312	53	78	N	1	Cal'm	0	0	3	—	Fine day.	
11	29° 96'	30° 04'	60° 8'	49° 2'	43° 6'	65° 8'	7° 1'	1° 8'	*329	*304	62	88	N	1	N	2	7	0	—	Fine day.	
12	30° 16'	*19	69° 3'	49° 7'	42° 2'	71° 8'	11° 5'	4° 2'	*345	*258	48	72	Cal'm	0	Cal'm	0	0	0	—	Very fine.	
13	*19	30° 07'	60° 5'	54° 7'	49° 6'	64° 4'	4° 6'	0° 3'	*386	*419	74	98	SW	1	W	1	9	10	—	Dull day.	
14	30° 03'	29° 90'	61° 3'	52° 7'	48° 9'	66° 6'	5° 0'	2° 3'	*364	*336	67	85	W	1	W	1	8	10	*010	—	
15	29° 81'	29° 75'	60° 8'	54° 7'	50° 5'	64° 8'	5° 4'	3° 1'	*369	*343	70	80	W	2	W	1	8	1	—	Dull, then fine.	
16	29° 96'	30° 04'	60° 2'	54° 1'	51° 8'	66° 7'	6° 3'	2° 5'	*339	*349	65	83	NW	2	Cal'm	0	7	0	—	Fine day.	
17	30° 09'	*10	59° 8'	50° 0'	51° 8'	63° 4'	1° 6'	0° 7'	*462	*461	90	95	SW	1	SW	1	10	10	—	Dull day.	☼ 9p.
18	*14	*11	61° 0'	57° 7'	56° 3'	69° 2'	2° 7'	2° 2'	*449	*410	84	85	SW	1	NW	1	10	0	—	Fine day.	
19	*11	*07	70° 5'	64° 1'	46° 2'	77° 6'	10° 0'	4° 4'	*400	*451	53	76	Cal'm	0	Cal'm	0	0	1	—	Very fine.	
20	*12	*06	75° 7'	63° 8'	56° 0'	78° 6'	8° 5'	3° 9'	*539	*461	61	78	Cal'm	0	Cal'm	0	0	1	—	Fine day.	∞
21	30° 06'	30° 00'	73° 2'	61° 2'	51° 3'	76° 0'	10° 7'	5° 8'	*427	*365	52	68	S	1	Cal'm	0	0	0	—	Fine day.	
22	29° 95'	29° 89'	68° 7'	65° 8'	54° 8'	75° 8'	7° 7'	5° 2'	*433	*454	61	72	E	2	NE	2	0	6	—	Fine day.	
23	*81	*66	71° 9'	60° 3'	59° 8'	77° 0'	10° 6'	3° 0'	*407	*428	52	82	NE	3	NE	2	1	10	*080	● ² 2.30p.	
24	*64	*68	69° 9'	61° 6'	57° 0'	72° 4'	6° 6'	1° 5'	*485	*496	67	91	E	1	E	1	6	4	*640	K ● ² showers.	
25	*62	*55	64° 8'	57° 6'	57° 4'	70° 7'	1° 2'	0° 4'	*568	*462	93	97	Cal'm	0	SE	1	10	10	*440	Frequent K ● showers.	
26	*54	*50	62° 2'	58° 15'	55° 5'	64° 1'	2° 9'	2° 6'	*462	*412	83	83	SE	5	S	3	10	10	*890	Frequent ● showers.	
27	*55	*67	55° 5'	57° 3'	54° 7'	60° 0'	0° 0'	0° 9'	*441	*443	100	94	SW	5	SW	3	10	10	*040	Dull day.	
28	*66	*55	62° 1'	61° 0'	56° 0'	68° 3'	3° 3'	2° 4'	*447	*459	80	86	S	2	S	2	10	10	—	Dull day.	
29	*46	*41	60° 4'	57° 8'	55° 4'	62° 7'	3° 4'	1° 3'	*418	*437	80	92	S	4	SW	4	10	10	*160	Dull, with ●.	
30	29° 47'	29° 55'	59° 5'	57° 8'	55° 8'	64° 4'	2° 5'	1° 4'	*430	*434	85	91	SW	3	SW	3	10	10	*060	Dull day.	
Mean	29° 79'	29° 78'	63° 0'	57° 0'	51° 4'	67° 8'	5° 7'	2° 8'	*402	*387	70° 2'	82° 6'	1° 9'	—	1° 5'	6° 6'	6° 0'	3° 13'	—	—	—

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.		9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	58°	58°	51°	60°	3°	3°	ins.	ins.	%	%	E	1	E	2	0	8	ins.	Pine day.	
2	29°82	29°70	58°	58°	51°	60°	3°	3°	382	394	77	80	E	1	E	2	0	8	2	from 3p.	
3	78	79	57°	55°	55°	62°	3°	2°	371	421	80	94	SE	2	W	1	3	10	280	2	
4	79	75	57°	53°	50°	62°	0°	8°	441	373	94	90	Calm	0	SW	1	10	10	0	ga.	
5	66	70	58°	55°	52°	60°	1°	1°	451	401	93	92	SE	2	SE	1	10	0	050	ga.	
6	79	88	60°	54°	49°	67°	4°	1°	394	378	75	90	W	2	Calm	0	3	0	—	showers.	
7	84	83	55°	52°	49°	67°	2°	2°	373	334	86	85	ESE	3	SE	4	0	8	—	Bright day.	
8	77	72	50°	50°	46°	54°	3°	1°	295	309	80	85	SE	4	SE	5	10	8	110	Very fine.	
9	76	76	52°	53°	49°	57°	1°	1°	357	374	89	91	E	1	E	2	10	7	030	Dull and cool, with	
10	75	82	51°	50°	49°	54°	1°	3°	342	276	91	77	NE	3	NW	3	10	10	050	g.	
11	29°83	29°97	54°	53°	47°	59°	5°	3°	281	304	67	75	NW	1	N	1	1	10	—	showers.	
12	30°02	30°10	49°	47°	46°	57°	4°	7°	18	250	280	69	87	NE	1	Calm	0	10	0	Fine day.	
13	25	35	51°	45°	40°	56°	3°	2°	293	253	78	83	NE	1	Calm	0	10	1	—	Fine from noon.	
14	26	30	52°	50°	41°	60°	4°	5°	371	355	73	69	SW	1	SW	1	0	2	—	Very fine.	
15	30°08	29°99	56°	55°	53°	63°	4°	2°	331	374	71	86	WNW	1	Calm	0	8	1	—	Bright day. Warmer.	
16	29°92	29°79	58°	57°	50°	66°	4°	2°	366	391	76	84	W	1	N	2	10	10	040	—	
17	29°82	30°06	57°	54°	51°	62°	3°	1°	389	399	82	94	NW	2	Calm	0	10	0	—	Very fine.	
18	30°20	29°56	62°	57°	48°	71°	4°	8°	418	389	73	82	NW	1	E	1	2	10	—	Fine day.	
19	23	20	65°	63°	53°	76°	3°	5°	491	407	80	69	Calm	0	Calm	0	8	10	—	Much finer.	
20	21	21	66°	62°	55°	78°	5°	2°	461	418	72	92	NW	1	E	1	9	0	—	Very warm.	
21	21	18	53°	51°	50°	58°	1°	6°	366	367	89	96	NE	1	E	2	10	10	—	Very warm.	
22	30°15	30°04	58°	54°	50°	63°	3°	0°	384	415	77	97	NE	1	N	4	8	10	—	Cold day.	
23	29°99	29°88	54°	56°	53°	58°	0°	4°	419	436	98	97	N	2	NE	3	10	10	530	Very fine.	
24	82	81	55°	56°	54°	57°	0°	2°	433	439	98	98	E	2	NE	2	10	10	350	ga.	
25	84	83	63°	64°	54°	70°	2°	4°	477	453	83	75	SE	2	E	1	9	9	—	ga.	
26	74	73	66°	62°	58°	74°	2°	0°	554	526	86	95	E	1	SE	1	6	4	160	before ga.	
27	75	78	68°	61°	58°	73°	5°	0°	492	509	72	95	SW	1	SE	1	5	6	020	2p.	
28	83	88	68°	56°	55°	69°	5°	2°	528	374	75	83	SW	3	SW	3	8	1	—	Very fine.	
29	96	81	64°	60°	52°	72°	5°	3°	427	406	71	78	SSW	2	E	1	7	8	—	Bright and warm.	
30	71	71	67°	59°	68°	71°	0°	2°	507	477	77	96	SW	2	S	2	10	0	—	Fine day.	
31	29°77	29°80	65°	62°	56°	70°	5°	2°	441	465	72	84	SW	3	E	1	8	10	020	Fine day.	
Mean	29°922	29°913	58°	55°	51°	64°	3°	2°	403	390	80°	86°	1°	6	1°	5	7°	2	6°	1°	640

1	29°75	29°64	71°1	59°0	58°1	76°1	9°3	2°5	*430	*422	85	E	3°5	SE	3	2	9	—	Beautiful fine and warm.
2	"81	"82	62°4	56°9	51°8	66°5	5°3	2°3	*397	*395	71	SW	1°5	SW	1°5	8	10	—	Beautiful day throughout.
3	"78	"71	65°7	59°0	47°4	68°9	8°2	4°3	*372	*372	59	SSE	2	SE	3	1	9	*307	Beautiful day.
4	"62	"72	56°9	57°3	55°9	67°9	0°0	1°6	*463	*421	100	SE	2	SW	1°5	10	1	—	Beautiful day.
5	"83	"87	62°5	56°6	51°1	68°4	3°9	2°1	*437	*397	77	SW	2	NE	1	9	0	—	Beautiful day throughout.
6	"84	"80	57°0	56°2	51°6	64°6	2°5	3°5	*391	*355	84	N	0°5	NE	4°5	10	10	*057	● 11a.—1p. Fine afternoon.
7	"80	"81	53°7	56°0	48°0	60°9	3°0	2°1	*332	*307	80	NE	4°5	NNE	3°5	10	1	*040	● n. Cold wind.
8	"79	"79	51°2	55°8	47°4	63°4	1°5	2°3	*338	*381	90	NE	5°5	NE	3	10	4	—	Cold wind all day. Fine p.
9	"83	"89	57°5	50°8	50°8	67°7	4°8	4°3	*339	*268	72	NE	3°5	NE	1	10	0	—	Fine and pleasant. Cold wind.
10	29°92	29°98	62°3	57°5	38°3	70°7	8°5	2°8	*316	*302	56	W	1°5	NW	1°5	2	3	—	Beautiful day throughout.
11	30°09	30°15	59°5	54°8	47°0	67°5	5°6	3°9	*347	*326	69	ESE	2	NE	1	10	1	—	Beautiful day.
12	"27	"35	62°1	54°3	44°6	69°8	5°8	2°6	*379	*349	69	NE	1°5	SW	1°5	0	0	—	Beautiful day throughout.
13	"31	"21	64°9	59°1	45°8	75°0	8°1	2°4	*363	*426	58	SW	2	NW	3	0	10	—	Beautifully fine and warm.
14	30°14	30°04	65°3	59°3	55°7	74°8	6°4	5°2	*412	*354	67	NW	1°5	SW	2	10	10	—	Beautifully fine and warm.
15	29°96	29°88	59°7	57°5	49°8	68°0	3°1	2°9	*416	*389	82	W	1°5	NW	3	10	2	—	
16	30°04	30°14	62°5	58°9	49°2	73°1	5°4	3°3	*396	*398	70	NW	2	W	1°5	9	0	—	Beautiful day.
17	"23	"25	67°0	63°0	48°1	75°4	6°3	2°3	*444	*496	67	NW	1°5	WNW	1	1	0	—	Beautifully fine and warm.
18	"26	"23	71°0	64°0	53°9	79°2	6°4	2°4	*513	*512	68	SE	0°5	SW	0°5	1	0	—	Very warm throughout.
19	"24	"20	75°1	69°0	53°7	81°7	8°3	5°9	*535	*517	61	SSW	1	NE	1	1	10	—	Very warm all day.
20	"23	"21	72°2	61°4	56°0	78°4	8°2	3°4	*481	*434	60	NE	3	S	0°5	0	0	—	Very warm, but with pleasant breeze.
21	"20	30°08	59°6	63°1	51°2	76°1	3°4	5°5	*406	*395	79	NNE	3	NNE	3	7	1	—	Beautiful day, with pleasant breeze.
22	30°02	29°92	68°6	63°7	55°7	77°2	6°4	2°1	*468	*516	67	NNE	4	NE	2	1	10	*300	● p.
23	29°84	"75	57°5	58°0	56°2	65°0	0°5	0°3	*458	*473	95	NE	2°5	NE	2°5	10	10	*646	● a. and p. ● 2 6p.
24	"78	"80	60°6	57°1	57°1	72°0	0°7	2°3	*506	*576	95	E	3	E	1	10	10	*010	● ga. and op. < 2 10p.
25	"75	"75	68°2	60°0	60°0	71°1	3°3	0°6	*563	*498	82	SSE	2	SW	2	10	10	*312	● a. Beautiful p.
26	"78	"80	62°4	57°9	55°2	67°4	1°9	1°0	*499	*450	89	S	2°5	SW	2	10	1	*058	Beautiful a.
27	"83	"90	63°6	58°4	56°7	67°9	3°6	1°6	*466	*436	79	SW	4	SW	3	8	9	*006	Beautiful day, with pleasant breeze.
28	"89	"76	66°4	62°7	59°5	72°4	5°2	3°6	*466	*450	72	SW	1°5	SE	2°5	9	2	—	Beautiful day, with pleasant breeze.
29	"73	"70	61°9	61°2	57°9	70°1	2°4	2°7	*474	*453	86	SW	3	SW	3°5	10	10	*018	Beautiful day, with pleasant breeze.
30	29°75	29°79	62°1	57°9	58°1	76°5	2°5	1°0	*474	*480	85	SW	4	SW	5	10	10	*048	Beautiful day, with pleasant breeze.
Mean	29°942	29°931	63°0	59°5	52°3	70°8	4°2	2°7	*420	*421	74°0	83:4	2°4	2°1	6°6	6°7	1°802	[● 0p.	

BABBACOMBE.—JUNE 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	56.7	52.0	51.1	59.7	2.8	0.1	in.	in.	%	%	E	3	S	4	3	10	ins.	(mist). ☀ showers p. [7p.
2	56	59	57.1	49.8	49.1	60.5	2.2	0.9	401	334	82	99	SSE	3	SW	1	6	1	—	⊕ ⁰ 4p.—7p. ☀ (mist) p.
3	51	43	56.3	51.8	47.4	57.2	2.9	0.8	370	364	81	94	E	3	NE	2	7	10	690	n. Dull, with ☀ (mist) p.
4	55	47	58.0	53.4	51.2	63.3	1.5	1.0	436	379	90	93	S	3	SW	1	4	9	406	2 1a. ☀ p.
5	58	56	59.4	48.0	48.0	63.6	2.4	0.2	431	330	86	99	SW	2	NNE	1	8	9	010	a. and p. ☀ p. [(mist).
6	59	56	51.8	51.9	47.4	55.8	1.0	1.9	358	336	93	87	NE	2	E	4	10	10	430	☀ showers a. and p. Dull, with ☀
7	56	58	49.8	49.9	48.1	57.4	2.8	2.4	288	299	81	84	NE	4	NE	3	10	1	010	Dull, with ☀ showers a.
8	57	57	49.9	55.9	46.4	59.7	2.4	2.9	299	365	84	82	NE	3	NNE	5	10	1	030	☀ showers a. and p. ☀ (mist) p.
9	63	64	54.1	50.7	50.4	61.6	2.8	1.6	343	328	81	89	NNE	2	SW	2	10	1	—	☀ (mist) all day. ☀ p.
10	70	78	56.0	53.0	48.2	64.8	2.1	5.0	386	277	86	69	ENE	1	NW	2	4	0	—	☀ n. ☀ 9a. ☀ (mist) till 11a.
11	29.86	29.92	61.4	53.8	50.0	66.6	6.1	3.0	361	334	67	80	ENE	1	NW	3	1	0	—	Fine and sunny.
12	30.06	30.11	62.9	56.7	49.2	70.6	7.5	5.5	348	312	62	68	NE	1	WNW	2	0	1	—	☀ n. Very fine and sunny. ∞
13	30.10	30.02	61.8	57.9	46.4	68.5	5.1	1.9	393	422	72	88	NE	1	WNW	2	1	10	—	☀ n. ∞ till 1p.
14	29.95	29.84	60.4	56.9	52.5	69.8	3.5	2.8	415	381	79	83	W	1	NNW	1	9	4	—	⊕ ⁰ 1p. Squally p.
15	75	71	61.8	55.2	51.9	67.2	5.4	2.3	385	370	70	85	W	2	WNW	4	9	1	—	Fine, clear, and sunny. ⊕ ⁰ 6p.
16	29.86	29.94	62.8	55.0	51.1	71.4	6.9	3.0	362	349	64	81	NW	3	NNW	1	4	1	—	Dull till 4p. ☀ (mist) p.
17	30.00	30.03	63.7	58.9	51.4	67.7	3.9	1.0	457	465	78	94	SW	1	SW	2	10	3	—	☀ n. and p. till 11a. ☀ (mist)
18	04	30.01	59.6	58.9	56.2	69.0	3.2	2.7	469	415	92	84	ENE	1	NNW	1	9	1	—	☀ n. Very fine and sunny. ∞. ☀
19	01	29.97	70.0	63.8	52.2	75.6	6.5	2.9	491	491	67	83	NE	2	WNW	1	0	2	—	☀ n. Fine day. ☀ 2 p. [p.
20	30.01	07	68.5	58.2	58.2	74.2	6.2	1.0	472	454	67	93	ENE	1	SE	1	0	1	—	☀ n. Very fine and sunny. ☀ p.
21	29.96	87	60.5	62.0	51.7	68.8	4.6	4.1	386	424	74	77	ENE	1	NNE	3	1	1	—	∞ till 6p. Squally, with ☀ p.
22	80	71	65.0	64.7	56.3	71.4	4.6	3.9	459	475	75	78	ENE	3	NNE	4	1	9	250	Dull, with ☀. ☀ p.
23	62	53	57.6	57.3	56.5	64.8	1.2	0.3	437	461	92	98	NE	5	ENE	3	10	10	140	Scotch ☀ 8a. ☀ 2 p. ☀ midt.
24	52	57	56.0	56.8	55.4	61.5	0.1	0.6	446	443	99	96	E	3	ENE	2	10	8	490	☀ showers a. a. and p. ☀ p.
25	51	51	61.9	57.8	56.5	65.6	0.8	1.0	526	447	95	93	ENE	1	SW	2	10	4	070	☀ showers 11a. ⊕ 1p. ☀ p.
26	50	52	56.2	57.5	55.8	64.5	0.2	1.7	446	421	99	89	SSE	3	SSW	5	10	9	140	☀ showers a. and p.
27	55	66	61.4	56.7	55.8	65.7	4.0	1.0	416	430	77	93	SW	5	SW	3	7	8	010	Gloomy evening.
28	61	51	61.2	58.8	55.0	66.4	1.7	1.2	482	457	90	93	S	3	SSW	1	9	10	010	Dull, with ☀ showers p. ☀ 5p. ☀ (mist).
29	44	42	61.7	58.2	55.0	64.4	3.4	1.4	439	441	81	91	SSW	4	SSW	4	8	9	100	
30	29.47	29.52	59.9	58.0	56.0	65.0	2.1	0.9	449	454	88	94	SW	4	SSW	3	9	10	110	
Mean	29.704	29.698	59.4	56.0	52.0	65.4	3.3	2.0	411	395	81.2	87.7	2.3		2.4		6.3	5.4	4.010	

LONDONDERRY.—JUNE 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

1	29.76	29.73	56.1	54.9	53.2	67.6	1.4	2.2	410	368	90	86	SE	N	2	10	3	0.020	α.
2	68	84	56.7	56.0	50.1	67.1	3.0	3.3	373	358	81	79	S	NE	2	10	10	—	—
3	80	75	65.9	54.5	52.3	71.8	8.0	3.8	379	323	60	76	NE	NE	3	7	10	0.020	—
4	72	29.78	50.7	51.3	48.4	61.4	3.0	2.5	295	314	80	83	NNE	SE	1	10	10	0.020	—
5	29.89	30.02	55.6	52.9	45.2	68.2	4.9	3.2	313	316	71	79	NE	NE	2	10	8	—	—
6	30.03	03	57.7	50.0	41.2	66.6	7.0	2.3	292	302	61	84	NE	NE	2	7	1	—	Fine and clear.
7	00	01	58.7	51.0	41.0	64.6	7.0	3.5	305	288	62	77	NW	E	1	0	1	—	Fine day.
8	03	30.03	53.9	52.7	44.0	63.4	4.4	3.0	300	319	73	80	N	Calmo	0	8	7	—	—
9	30.00	29.94	61.7	52.7	45.4	71.2	8.3	3.0	313	319	57	80	NNE	Calmo	0	1	10	—	Fine day.
10	29.97	30.11	51.9	44.7	44.3	56.0	4.2	1.5	282	261	74	88	N	N	1	10	1	—	—
11	30.15	26	57.7	50.3	40.5	67.0	7.2	1.8	288	319	60	88	SW	N	1	10	0	—	Fine and clear.
12	32	28	61.7	48.2	42.0	69.4	8.0	1.5	319	300	58	90	SW	NW	1	0	0	0.080	Fine, clear, and very warm.
13	18	30.20	56.2	52.7	45.5	59.1	1.5	3.4	408	310	90	78	SW	SW	2	10	10	—	—
14	30.13	29.91	53.5	53.5	50.5	62.1	4.3	0.8	298	387	73	95	SW	SW	1	10	10	0.120	from 8p.
15	29.80	29.92	56.2	53.3	51.8	60.6	2.7	2.7	375	333	83	82	S	SW	2	10	10	0.040	showers during day.
16	30.01	30.03	58.2	59.7	51.2	63.0	5.3	2.0	338	448	70	88	SW	W	3	10	10	—	—
17	00	07	61.7	58.8	58.0	67.6	2.0	2.0	483	433	88	88	SW	W	2	10	8	—	—
18	10	18	60.2	60.2	56.3	64.5	1.7	1.7	466	466	90	90	SW	W	2	10	10	—	—
19	21	23	66.5	63.7	55.8	70.7	6.3	2.7	435	496	67	84	S	Calmo	0	2	0	—	Fine and warm.
20	26	24	73.9	61.2	55.0	81.0	8.2	2.0	514	474	61	88	N	E	1	0	0	—	Fine and very warm.
21	31	19	69.5	63.0	56.0	82.8	5.0	4.9	530	417	74	73	Calmo	Calmo	0	0	0	—	Fine and warm.
22	30	19	73.7	64.7	52.4	88.1	13.0	3.7	377	482	44	79	N	N	1	5	0	—	Fine and clear.
23	30.17	30.03	70.7	61.0	55.6	82.2	9.0	5.3	431	376	57	71	N	N	1	1	1	—	Fine and warm.
24	29.93	29.90	65.0	64.1	57.7	78.2	4.6	2.8	459	501	75	84	NE	NE	1	5	3	—	Fine day.
25	87	66	63.8	61.0	58.5	74.4	4.1	0.6	455	517	77	96	NE	E	1	10	10	0.530	K 8.45 p.—11 p.
26	61	52	65.7	59.0	58.0	69.0	5.0	2.5	459	422	74	85	S	SE	3	8	2	0.020	—
27	47	60	61.6	60.0	54.2	72.8	4.1	1.6	418	466	77	90	SE	SW	1	10	10	0.110	0 showers.
28	56	51	57.7	60.0	55.0	72.6	1.0	5.0	446	369	93	71	SE	S	4	10	7	0.040	α.
29	38	27	59.8	57.7	55.5	70.6	3.0	1.7	420	425	82	89	SE	SW	2	10	10	0.340	showers during day. K
30	29.21	29.46	58.2	55.7	53.0	65.7	2.5	1.0	410	415	84	93	S	S	2	10	10	0.270	showers during day.
Mean	29.922	29.929	60.7	56.3	51.0	69.4	5.0	2.6	386	384	72.9	83.8	1.6	1.5	7.1	5.7	1.610		

ARMAGH.—JUNE 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.								Per-centage.		
	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.				
1	ins.	ins.	53.6	57.8	52.0	66.5	0.9	4.9	in.	in.	%	%	E	1	NE	2	10	9	ins. .012
2	29.64	29.55	55.7	51.9	50.4	64.6	3.7	2.0	343	334	77	87	SE	2	ESE	1	10	9	.005
3	65	58	58.0	53.6	48.8	63.5	3.9	2.6	370	339	77	82	ENE	2	E	3	9	10	.117
4	56	60	54.0	51.0	48.2	54.3	6.2	1.5	263	336	63	90	E	3	NE	2	10	10	.310
5	74	86	50.9	50.2	46.6	55.5	2.7	3.6	305	276	82	77	ENE	3	ENE	2	10	8	.005
6	89	88	51.2	47.9	41.3	58.8	4.0	2.0	279	285	74	86	NE	1	NE	1	5	0	—
7	87	87	53.2	47.7	38.4	63.2	3.5	2.1	313	281	77	85	ENE	1	ESE	1	7	10	—
8	87	87	51.5	53.6	40.0	59.1	3.6	4.0	292	306	76	75	NE	1	NE	1	10	0	—
9	87	79	57.7	48.9	42.7	64.8	5.8	2.1	319	296	67	86	NE	1	NNE	0.5	9	5	—
10	29.84	29.95	53.7	46.8	40.7	56.9	4.6	1.2	293	291	71	91	NW	1	NNW	0.5	10	1	—
11	30.02	30.09	56.9	50.4	38.3	63.8	5.7	2.3	310	303	66	83	NNW	0.5	NNE	0.5	10	0	—
12	19	14	55.9	55.1	39.7	68.9	3.8	3.9	344	339	77	75	NNE	1	NE	1	0	0	.035
13	10	30.09	55.2	52.6	46.0	63.2	0.6	3.1	419	316	96	79	SW	1	NW	1	10	8	—
14	30.00	29.86	55.8	55.3	48.9	60.8	4.1	2.4	336	369	75	84	NW	1	SW	1	10	10	.085
15	29.70	79	56.7	54.1	50.6	62.8	3.7	1.6	355	373	77	89	SW	1	NW	1	10	9	.165
16	90	92	57.0	60.1	51.0	66.8	3.8	1.8	356	462	76	89	WSW	1	SW	1	10	10	—
17	29.94	29.98	62.2	59.2	57.3	67.7	2.3	3.0	481	411	86	82	SW	2	SSW	2	10	10	—
18	30.02	30.06	58.9	60.6	54.0	65.5	2.7	2.6	414	445	83	84	SW	3	SW	1	10	10	—
19	10	10	66.5	62.0	55.9	75.5	5.5	4.1	458	424	70	77	SSW	1	S	1	10	2	—
20	13	09	71.7	65.0	53.0	77.6	7.6	3.3	489	500	62	82	SE	0.5	ESE	0.5	0	0	—
21	08	06	71.0	61.5	55.9	74.4	8.0	5.4	464	373	61	70	SE	1	ESE	0.5	0	0	—
22	30.05	30.05	68.9	63.4	47.2	73.3	8.7	4.4	409	438	57	75	ENE	1	ENE	1	0	6	—
23	29.99	29.84	70.4	58.1	54.7	75.7	7.7	4.2	403	364	62	75	NE	1	NNE	1	0	4	—
24	77	75	66.2	60.7	53.0	72.7	5.6	1.0	450	497	70	94	ENE	1	ENE	1	10	10	.109
25	71	51	59.7	59.0	55.5	67.5	1.4	0.3	467	490	92	98	ENE	1	ENE	1	10	10	.481
26	51	40	59.4	55.0	54.9	65.6	2.0	1.1	443	400	88	92	ESE	1	SE	2	10	3	.092
27	36	50	57.8	60.6	54.8	70.7	1.9	2.6	431	445	87	84	SE	3	SSW	2	10	10	.070
28	45	42	58.7	58.7	53.7	68.5	1.7	5.0	440	352	89	71	SSE	3	S	1	10	8	.030
29	27	17	61.7	57.6	54.0	64.5	3.5	2.0	437	415	79	87	SSE	3	SSE	2	10	10	.488
30	29.17	29.36	63.0	56.9	55.7	66.5	5.4	1.3	403	424	70	92	S	3	S	1	10	9	.356
Mean	29.797	29.794	59.1	55.8	49.4	66.1	4.2	2.7	384	374	76.0	83.1	1.5		1.2	7.8	6.4	2.360	

DUBLIN (PHOENIX PARK).—JUNE 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	54.4	54.2	52.2	63.6	2.0	2.1	in.	in.	°/10	°/10	E	1	Calm	0	ins.	
2	29.66	29.55	54.4	54.2	52.2	63.6	2.0	2.1	.367	.361	87	86	E	1	Calm	0	.260	
3	61	74	54.6	50.6	49.7	60.8	4.4	1.9	.310	.321	73	87	S	1	Calm	0	Cloudy day. 2 showers.	
4	66	58	56.0	53.9	43.1	62.9	2.4	2.2	.381	.354	85	86	E	1	ENE	1	Cloudy a. Bright p.	
5	54	61	51.4	52.0	49.6	54.5	2.2	1.4	.323	.351	85	90	E	1	E	1	800	
6	73	85	50.5	50.4	48.6	57.8	0.8	1.0	.347	.341	94	93	E	1	E	1	450	
7	90	89	51.0	51.2	47.1	56.9	3.6	2.9	.285	.304	76	81	NE	2	NE	1	30 a.—7 a. Dull day, with	
8	91	88	49.3	48.1	44.3	58.8	3.8	1.8	.263	.291	74	87	ENE	1	Calm	0	from 1 a. 2 a. Cloudy p.	
9	89	87	49.0	50.1	44.7	56.9	3.0	2.5	.276	.299	79	83	NE	1	Calm	0	Cloudy day. 0 showers p.	
10	89	81	53.7	47.6	46.0	59.6	3.9	2.5	.309	.270	75	83	E	2	Calm	0	Cloudy a. Bright p.	
11	29.88	29.96	56.9	47.1	36.4	63.5	5.7	2.4	.310	.267	66	83	N	1	Calm	0	Beautiful day.	
12	30.06	30.12	55.5	52.4	37.7	63.1	5.1	2.9	.307	.319	69	81	Calm	0	Calm	0	Cloudy a. Bright p.	
13	24	22	63.0	50.7	43.1	66.7	7.2	3.3	.356	.288	62	78	Calm	0	Calm	0	Beautiful day.	
14	18	30.16	56.2	51.9	48.2	66.2	2.6	3.2	.378	.306	84	79	WSW	1	Calm	0	Cloudy a. Bright p.	
15	30.07	29.92	55.0	54.3	44.1	62.9	4.8	2.2	.307	.358	71	85	W	1	Calm	0	Beautiful day.	
16	29.77	29.84	58.7	53.6	52.5	64.6	3.3	2.8	.395	.335	79	81	WSW	1	W	1	2 a.—7.15 a.	
17	29.98	30.01	56.9	62.1	48.8	66.8	5.1	3.2	.323	.452	69	81	W	1	Calm	0	8.30 p.—11.30 p.	
18	30.04	30.07	62.4	63.5	59.7	70.8	3.2	4.5	.457	.437	81	74	SW	1	Calm	0	1000	
19	12	13	62.9	61.1	54.2	71.6	5.3	3.2	.405	.435	70	81	SW	1	Calm	0	Cloudy day.	
20	16	16	67.7	57.5	53.6	71.4	5.5	3.1	.480	.383	70	80	Calm	0	Calm	0	Beautiful day.	
21	18	16	69.5	57.7	47.8	71.8	6.3	2.3	.487	.409	67	85	Calm	0	Calm	0	Beautiful day.	
22	14	11	66.4	53.8	53.0	69.8	5.7	3.3	.451	.325	70	78	E	1	Calm	0	Beautiful day.	
23	09	30.05	65.3	61.0	45.9	68.7	6.8	3.4	.402	.427	65	80	NE	1	Calm	0	Beautiful day.	
24	30.02	29.86	66.1	59.4	51.7	72.4	6.6	4.6	.419	.371	66	73	NE	2	NNE	1	Beautiful day.	
25	29.79	29.75	57.9	58.1	52.5	67.6	2.1	1.9	.417	.426	87	87	NE	1	E	1	Cloudy day. 2 showers.	
26	71	57	58.3	59.1	52.6	61.3	1.8	1.3	.432	.460	88	92	NE	1	Calm	0	Cloudy day. 6 p.—7 p.	
27	54	47	59.7	58.2	52.8	64.9	2.4	3.1	.436	.393	86	81	SE	1	SE	2	Dull, with 0 showers.	
28	42	60	65.1	58.7	55.3	70.5	6.0	3.1	.420	.401	69	81	SSW	1	SSW	1	Cloudy, with 2 showers.	
29	53	51	60.5	56.8	54.6	68.0	3.5	4.4	.416	.340	79	73	S	2	S	2	2.5.3 a.—7 a. 2 showers p.	
30	35	28	60.2	57.7	54.9	65.5	3.5	3.1	.413	.387	79	81	S	2	S	2	Beautiful day.	
Mean	29.30	29.47	61.8	57.3	54.1	66.6	4.5	3.1	.410	.380	75	80	SSW	4	SSW	2	Cloudy, with 2 showers.	
	29.845	29.839	58.5	55.0	49.3	64.9	4.1	2.8	.376	.360	76.0	82.3	1.1	0.5	6.6	4.6	2.375	

PARSONSTOWN (BIRCH CASTLE).—JUNE 1891.

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.

1	29.61	29.45	54.9	50.9	50.0	63.7	1.8	3.0	.379	.375	89	81	Calm	o	SE	1	10	10	.032	Dull, with ☉.
2	.51	.67	56.3	51.7	51.2	62.9	3.6	1.9	.354	.334	78	87	SE	2	Cal	o	9	3	—	Bright a. Cloudy day.
3	.57	.49	61.9	56.9	44.0	66.9	5.9	5.1	.373	.323	68	70	SE	2	SE	2	8	10	.260	Fine day. ☉ in evening.
4	.44	.53	53.9	54.7	51.8	59.7	0.7	1.3	.395	.390	95	91	Cal	o	Cal	o	10	10	.176	Dull, with ☉.
5	.68	.80	56.9	54.9	49.9	59.7	2.9	1.1	.378	.399	82	93	Cal	o	Cal	o	9	10	.502	Dull, with ☉ showers.
6	.84	.84	50.5	52.9	48.4	60.8	2.7	4.0	.299	.298	82	75	SE	1	Cal	o	10	10	—	Dull day.
7	.86	.85	52.1	50.7	44.0	61.5	4.3	0.9	.282	.347	73	94	NE	1	Cal	o	10	10	.080	Fine, bright, and warm.
8	.86	.85	50.9	50.8	41.2	56.1	4.1	2.8	.293	.301	74	81	Cal	o	Cal	o	10	4	—	Bright a, then dull and close.
9	.83	.80	55.9	54.7	43.6	66.7	3.9	4.9	.341	.300	76	70	SE	1	Cal	o	8	10	—	Bright a, then dull and close.
10	29.88	29.99	58.7	51.7	40.3	65.7	6.3	2.9	.320	.309	65	81	Cal	o	Cal	o	10	8	—	Fine, bright, and warm.
11	30.07	30.14	50.7	51.9	45.8	59.5	2.9	2.3	.297	.326	81	85	Cal	o	Cal	o	10	8	—	Dull and close.
12	.22	.23	57.9	54.9	38.7	69.5	4.3	2.6	.358	.358	75	84	Cal	o	Cal	o	10	5	.030	Fine, bright, and warm.
13	.17	30.16	56.9	54.7	47.8	64.7	1.1	2.2	.430	.366	93	86	Cal	o	Cal	o	10	8	—	Dull a. Day fine.
14	30.08	29.93	54.9	53.7	48.8	64.9	3.8	1.8	.328	.361	77	87	Cal	o	Cal	o	10	10	.305	Dull and close a. Cloudy day.
15	29.78	29.87	59.7	53.9	49.8	62.9	5.5	2.2	.352	.353	69	85	SW	2	Cal	o	9	6	.062	Cloudy, with ☉.
16	29.98	30.00	59.1	60.8	46.8	64.9	4.3	2.1	.374	.464	75	87	Cal	o	Cal	o	4	10	—	Cloudy and close.
17	30.02	.06	61.3	59.7	58.3	70.0	1.5	2.5	.492	.433	91	85	Cal	o	Cal	o	10	10	—	Cloudy and close.
18	.08	.06	59.9	59.9	52.6	67.9	2.4	2.7	.439	.430	86	84	Cal	o	Cal	o	10	10	—	Dull and warm.
19	.14	.11	65.7	65.7	47.6	71.7	4.4	4.2	.478	.484	77	78	Cal	o	Cal	o	10	0	—	Fine, bright, and warm.
20	.14	.09	60.7	60.8	54.8	78.7	5.9	4.1	.505	.405	69	77	Cal	o	Cal	o	10	0	—	Fine, bright, and warm.
21	.09	.05	60.7	60.8	54.8	78.7	5.9	4.1	.505	.405	69	77	Cal	o	Cal	o	10	0	—	Fine, bright, and warm.
22	.05	30.03	60.7	60.8	54.8	78.7	5.9	4.1	.505	.405	69	77	Cal	o	Cal	o	10	0	—	Fine, bright, and warm.
23	30.00	29.84	60.7	60.8	54.8	78.7	5.9	4.1	.505	.405	69	77	Cal	o	Cal	o	10	0	—	Fine, bright, and warm.
24	29.74	.70	59.7	62.3	56.1	72.9	2.4	0.4	.436	.548	86	97	E	1	Cal	o	10	10	.266	T ☉ in evening.
25	.68	.52	60.9	61.3	55.3	67.7	1.8	1.0	.475	.508	90	94	Cal	o	Cal	o	10	10	.460	Dull and gloomy, with ☉.
26	.43	.29	61.5	57.7	56.3	66.9	2.9	1.7	.451	.425	83	89	SE	2	E	3	10	10	.076	Dull with ☉ showers.
27	.37	.36	62.9	56.7	56.3	67.7	4.9	1.9	.415	.403	73	88	Cal	o	Cal	o	8	9	.352	Bright a. Then dull and cloudy, with ☉.
28	.45	.36	61.9	57.9	53.8	67.9	3.1	2.6	.451	.402	82	84	S	1	SE	1	8	9	.040	Fine and bright.
29	.28	.19	64.0	57.9	54.9	65.7	5.3	2.9	.423	.394	71	82	SE	1	S	1	9	10	.130	Bright a.
30	29.24	29.41	59.7	56.7	54.7	65.7	3.0	2.0	.419	.401	82	87	S	1	Cal	o	8	5	.332	Dull and gloomy, with ☉.
Mean	29.802	29.795	59.5	57.3	49.8	67.0	3.8	2.7	.398	.396	78.1	83.7	o.5		o.3		6.8	7.6	3.033	

DEERNES.—JULY 1891.

Height above Mean Sea Level, 169 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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	57.0	51.0	50.0	63.8	2.8	2.0	in.	in.	%	%	SSW	2	N	2	7	2	ins.	Cloudy all day.
2	48	48	54.0	52.0	50.0	57.1	2.0	0.5	360	375	86	97	N	3	Cal	0	10	10	—	☼ a. and p.
3	48	55	52.4	51.7	48.0	57.8	0.1	0.5	391	370	99	96	N	1	NW	2	10	10	100	☼ all day.
4	62	68	52.2	50.7	50.0	55.8	0.7	1.1	372	342	96	92	NW	3	WNW	3	10	10	—	
5	68	61	50.2	52.0	48.0	57.8	4.2	1.0	337	361	74	93	W	2	ESE	3	8	8	140	
6	40	26	52.6	52.0	50.0	53.8	0.5	0.2	383	383	97	99	E	3	ESE	1	10	10	510	☉ all day.
7	24	43	53.3	52.0	49.0	57.8	0.3	0.4	399	377	98	97	NE	5	NNE	4	10	10	550	☉ all day.
8	60	80	50.0	49.0	48.0	52.8	0.3	0.5	353	335	98	97	N	5	N	5	10	10	230	☉ a. ☼ p.
9	93	93	48.4	49.0	46.0	50.8	1.9	1.6	293	308	87	89	N	3	WNW	2	10	10	040	
10	77	75	53.0	51.9	48.0	55.8	1.0	0.9	374	362	93	94	WNW	6	NW	5	10	10	—	
11	74	74	52.6	51.9	50.0	57.8	1.7	1.8	350	339	88	88	WNW	4	S	2	10	10	—	
12	70	29.80	50.2	55.5	50.0	58.8	2.2	2.1	388	381	86	86	S	2	NW	1	9	7	—	
13	29.97	30.16	58.0	55.1	51.0	62.8	2.5	2.1	407	374	84	86	SSE	1	NNE	1	5	8	—	
14	30.26	30.23	60.5	53.0	51.0	61.8	4.5	0.8	389	380	74	94	S	1	E	1	0	1	—	Fine all day.
15	30.10	29.91	52.0	51.7	48.0	56.8	1.0	0.4	361	373	93	97	N	3	NE	1	10	10	350	☼ a. and 9 p.
16	29.74	69	54.5	55.0	50.0	56.8	0.2	0.0	420	433	99	100	NNE	2	E	2	10	10	280	☼ p. ☼
17	61	58	56.8	53.7	53.0	57.8	0.7	0.1	440	411	95	99	E	3	SE	3	10	10	080	☼ p.
18	69	68	57.7	54.0	50.0	60.8	0.9	0.7	449	397	94	95	SE	3	S	2	6	8	—	☼ all day.
19	67	59	55.0	51.5	51.0	55.8	1.2	0.5	397	368	92	97	SE	2	Cal	0	10	10	570	☉ ² . ☼ 9 p.
20	52	62	54.2	54.0	51.0	58.8	0.6	1.5	403	374	96	90	SSW	3	SSW	1	10	9	190	☼ a. and p.
21	62	61	58.5	55.2	51.0	63.8	2.0	0.2	429	430	88	99	S	1	E	1	3	10	340	☼ all day.
22	55	71	54.0	54.0	51.0	60.8	0.0	0.0	418	418	100	100	ESE	2	N	3	10	10	040	☼ a. and 9 p.
23	76	69	53.4	52.5	52.0	60.0	0.2	1.5	403	354	99	90	N	3	SSW	1	10	6	040	Much cir., very white, and in bands E.
24	58	61	55.8	53.4	50.0	56.8	2.8	2.5	367	340	82	83	WSW	6	W	6	6	10	050	[to W.
25	69	75	52.8	53.0	50.0	55.8	1.5	1.0	358	374	89	93	W	6	W	6	10	10	030	
26	64	48	56.1	50.4	50.0	56.8	2.4	0.4	382	356	84	97	W	6	W	2	9	10	170	
27	30	34	50.0	50.0	48.0	52.8	1.2	0.8	329	339	92	94	W	5	NW	6	10	10	530	☉ ² 9 a.
28	33	23	48.0	48.3	46.0	50.8	0.7	0.2	317	334	95	99	NW	8	NW	7	10	10	640	☉ ² a. and p.
29	31	51	52.0	50.0	48.0	55.8	0.5	0.2	375	356	97	99	N	4	N	4	10	10	020	☼ a. and p.
30	66	78	51.7	49.2	47.0	53.8	0.2	1.6	370	310	99	89	N	3	NNW	3	10	10	—	☼ 9 a.
31	29.77	29.73	50.5	50.0	46.0	54.8	3.8	2.0	275	309	75	86	NW	2	S	3	10	10	—	Overcast all day.
Mean	29.639	29.658	53.9	52.0	49.4	57.2	1.4	0.9	377	364	90.7	93.6	3.3		2.7	8.8	9.0	4.900		

BRAEMAR.—JULY 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	58°8	55°5	52°4	63°8	5°5	2°3	in.	in.	9/10	9/10	SW	1	SE	0°5	7	7	ins.
2	28°44	25°49	58°8	55°5	52°4	63°8	5°5	2°3	391	376	79	85	SW	1	SE	0°5	7	7	0°30
3	46	49	52°3	51°5	47°6	61°3	0°8	2°0	371	329	95	87	SE	0°5	SW	0°5	8	8	1°70
4	64	64	52°8	51°5	47°7	57°0	2°0	2°0	346	329	87	87	SE	0°5	NW	0°5	8	8	540
5	69	72	52°3	52°2	47°2	61°0	2°0	1°0	339	363	86	93	SW	0°5	E	0°5	8	8	360
6	66	59	55°1	52°3	47°7	59°2	3°1	1°8	319	344	73	88	E	0°5	SE	0°5	7	8	1°50
7	36	29	54°6	51°7	51°0	65°2	1°1	0°5	395	367	93	96	SE	0°5	SW	0°5	10	10	1°20
8	24	41	52°5	52°3	44°8	62°5	2°0	2°5	341	327	87	83	SW	0°5	NE	0°5	9	7	1°60
9	57	80	51°6	49°6	49°2	53°8	2°1	2°8	338	287	86	82	N	0°5	NE	0°5	9	8	0°20
10	88	93	54°5	53°7	46°0	65°8	4°8	3°9	297	309	70	75	SE	0°5	NW	0°5	6	4	—
11	85	80	61°5	55°8	46°8	70°0	7°0	4°1	340	336	63	75	W	0°5	SW	0°5	6	7	—
12	75	76	56°8	57°0	44°8	66°2	5°3	4°3	319	344	69	74	SW	1	SW	2	5	8	—
13	73	28°83	55°5	55°7	50°0	62°0	3°3	2°1	349	385	79	87	SW	1	SW	0°5	7	8	0°30
14	28°96	29°12	61°7	55°9	50°1	70°0	5°2	1°4	389	407	71	92	SW	1	NE	0°5	6	8	2°50
15	29°17	29°17	59°5	55°3	55°9	69°0	3°2	2°8	410	374	81	82	E	0°5	NE	0°5	8	6	—
16	29°03	28°80	56°2	55°8	46°3	65°2	4°2	2°3	337	381	74	85	E	0°5	NE	0°5	6	6	1°00
17	28°71	64	56°9	59°9	52°0	67°2	1°9	1°4	406	471	88	92	SE	1	E	0°5	9	8	1°90
18	55	66	59°5	55°8	55°8	62°0	1°7	1°3	454	408	90	92	NE	0°5	SW	0°5	9	1	140
19	68	71	61°5	52°5	45°2	66°8	4°7	7°8	309	218	73	56	SW	1	SW	1	8	6	2°50
20	67	59	55°5	55°5	47°3	61°2	4°0	3°0	333	357	75	81	SW	0°5	S	1	7	8	—
21	60	66	55°8	55°5	51°0	61°0	4°8	2°5	310	370	71	84	SW	2	SW	0°5	8	6	0°10
22	65	59	60°5	52°5	52°2	62°0	5°0	1°0	376	368	72	93	SW	1	SW	0°5	7	8	0°80
23	57	67	53°8	54°5	51°0	63°4	1°3	1°0	378	396	91	94	SW	0°5	NE	1	9	10	0°20
24	77	73	54°5	56°5	52°0	66°6	2°5	3°0	354	371	83	81	N	0°5	W	0°5	8	7	—
25	69	74	56°6	52°2	51°0	60°0	5°1	4°7	310	275	69	71	W	1	W	1	4	8	—
26	78	85	55°6	53°3	49°8	65°0	6°1	3°2	287	321	65	79	W	1	SW	1	6	6	—
27	76	57	58°5	55°5	50°0	62°4	5°0	3°6	349	343	71	77	SW	2	SW	2	7	8	0°20
28	48	45	46°5	48°0	45°7	56°0	4°0	3°3	229	257	73	77	NW	0°5	NW	10	7	9	1°30
29	40	41	45°3	44°9	43°3	51°2	1°8	3°2	261	329	87	77	NW	4	NW	1	8	9	1°00
30	35	49	48°8	50°5	44°9	54°3	7°1	2°8	197	297	58	81	NE	0°5	NE	2	8	8	0°60
31	63	74	55°5	52°1	48°2	62°1	3°8	2°6	338	322	76	82	NE	0°5	NE	0°5	7	8	—
32	28°76	28°76	56°5	54°5	46°0	66°2	6°8	2°8	283	347	62	81	E	0°5	SE	1	4	8	—
Mean	28°658	28°680	55°	53°6	48°8	62°4	3°8	2°7	340	342	77°3	82°9	0°9	1°1	7°3	7°4	2°930		

LAUDALE.—JULY 1891.

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

1	29°59	29°65	58°0	52°5	47°0	64°0	4°7	3°2	*350	*312	73	79	Calm	0	Calm	0	10	4	'010	Dull a. Day fine.
2	'60	'57	57°8	54°0	47°7	64°5	4°3	1°0	*357	*388	75	93	SW	1	Calm	0	8	10	'500	T 11a. ● showers p.
3	'66	'80	58°0	53°7	47°9	62°2	4°5	3°0	*355	*332	74	80	SE	2	NNW	1	8	7	'020	
4	'88	'92	57°0	53°0	49°5	61°0	4°3	3°0	*344	*322	74	80	NW	1	SW	1	9	10	'030	Cloudy and mild.
5	'79	'62	55°3	57°0	47°7	59°8	3°8	3°0	*335	*377	76	81	SE	2	S	1	10	10	'070	
6	'51	'41	56°3	52°0	50°0	64°9	3°3	1°0	*361	*361	79	93	Calm	0	Calm	0	10	10	'370	☼ ⁰ (mist) ●
7	'43	29°59	54°6	55°1	46°5	63°0	2°7	2°1	*352	*374	82	86	NW	2	W	2	10	7	'430	● showers.
8	29°75	30°00	53°0	50°2	47°5	58°7	2°0	2°2	*347	*307	86	85	NW	5	NNW	5	10	7	'010	
9	30°10	'14	54°4	53°5	46°5	61°2	4°3	2°8	*309	*334	73	81	N	4	Calm	0	6	3	'010	Fine day.
10	'10	30°04	55°1	54°0	52°0	58°7	1°4	1°5	*394	*374	90	90	N	2	NW	3	10	10	—	Dull a.
11	30°03	29°84	54°7	55°4	52°2	60°7	1°7	2°7	*379	*363	89	83	Calm	0	Calm	0	10	10	—	Dull a.
12	29°90	30°00	61°0	56°5	53°7	63°0	3°5	2°0	*435	*398	80	87	W	1	Calm	0	8	10	'070	☼ ⁰ (mist).
13	30°14	'23	60°0	51°7	56°0	64°9	2°5	0°5	*438	*371	85	96	Calm	0	Calm	0	7	10	'200	☼ ⁰ (mist) a.
14	'37	'32	56°0	59°0	51°0	71°7	4°7	2°0	*334	*436	72	88	Calm	0	Calm	0	2	8	'040	Fine and warm a. ● ² shower 4p.
15	30°37	30°08	55°9	56°1	50°1	72°1	2°9	2°1	*366	*390	82	86	Calm	0	Calm	0	0	2	—	Fine and warm.
16	29°52	29°74	66°0	60°0	53°0	71°4	7°0	1°4	*406	*472	62	92	NE	1	Calm	0	7	8	'110	Fine day. Distant T p. ● ² sp.
17	'69	'75	58°7	57°5	55°0	65°7	0°7	1°5	*471	*427	96	90	Calm	0	W	1	10	2	'260	
18	'78	'80	58°9	58°0	53°0	65°7	4°3	4°0	*371	*367	74	76	S	1	S	1	10	4	'080	● ² a. Fine p.
19	'80	'78	57°0	58°7	55°7	68°0	2°0	2°7	*405	*411	87	83	NW	2	Calm	0	4	10	'080	
20	'73	'81	56°7	58°9	55°1	62°9	2°0	2°9	*401	*408	87	82	W	1	WSW	1	10	10	'370	● a. ● showers p.
21	'76	'74	61°0	54°1	51°0	63°7	3°4	2°9	*427	*338	80	80	Calm	0	Calm	0	10	2	'040	● ² showers a.
22	'78	'90	56°2	54°7	52°0	63°7	1°5	2°1	*408	*369	90	86	NW	5	N	4	10	10	'040	
23	'96	'94	57°5	54°4	51°8	62°0	3°5	1°7	*372	*376	78	89	N	4	NW	1	10	10	'080	Dull day.
24	29°89	29°97	56°5	53°8	51°0	58°3	4°1	2°6	*343	*342	74	82	WNW	3	NW	4	10	10	'010	
25	30°03	30°07	57°7	54°0	51°3	58°7	2°1	1°5	*414	*374	87	90	NW	4	Calm	0	10	10	'050	Dull and cloudy.
26	29°96	29°78	59°0	55°7	52°0	62°1	1°0	1°7	*467	*395	94	89	WSW	2	Calm	0	10	10	'050	☼ ⁰ (mist).
27	'72	'71	54°2	54°8	48°0	57°2	2°2	3°3	*358	*340	85	79	NNE	4	N	5	8	7	'080	Cold ● showers.
28	'71	'69	53°0	50°0	48°1	58°1	4°0	3°0	*399	*286	74	80	NNW	3	W	4	7	10	'120	☼ ⁰ (mist) ● showers.
29	'57	'65	51°3	52°0	47°0	59°2	1°3	1°0	*344	*361	91	93	NNW	3	NNW	2	7	6	—	
30	'81	'93	58°0	50°0	50°0	62°0	5°0	0°7	*342	*342	71	95	NW	3	NW	3	10	7	—	Dull and warm. ☼ ⁰ (mist).
31	29°97	29°94	54°0	55°0	49°8	60°0	4°0	2°0	*310	*375	74	87	WNW	2	WNW	1	6	10	'080	● showers.
Mean	29°840	29°848	56°9	54°7	50°4	62°9	3°2	2°2	*373	*368	80°5	85°8		1°9	1°3	8°3	7°9	3°210		

DUNDEE.—JULY 1891.

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.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	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.	64°	59°	56°	69°	4°	2°	446	431	73	80	SW	1	SW	1	5	10	100	Dull day.	
2	48	47	59°	57°	54°	66°	2°	4°	438	355	87	74	SW	1	SW	1	10	10	—	—	
3	45	59	54°	54°	52°	66°	1°	4°	386	404	90	96	SW	1	NW	1	10	10	130	Distant T ⁰ showers.	
4	68	71	60°	56°	49°	66°	4°	2°	409	373	77	83	SW	1	SW	1	5	10	080	☉ showers.	
5	70	53	60°	55°	47°	61°	6°	1°	342	400	65	92	S	1	SE	4	10	10	010	Dull day. ☉ showers 6p.	
6	37	24	62°	52°	58°	68°	3°	2°	450	343	81	86	SW	2	SE	1	5	7	010	Dull day. ☉ showers n.	
7	21	39	61°	53°	44°	64°	5°	1°	387	370	71	91	W	1	NW	1	5	5	020	—	
8	53	77	63°	53°	50°	66°	5°	2°	401	324	70	83	N	2	NW	1	5	5	—	10a-6p.	
9	91	97	55°	51°	50°	64°	5°	2°	312	319	70	83	W	1	SW	1	10	10	—	—	
10	85	80	63°	57°	46°	75°	5°	0°	423	445	72	95	NW	2	SE	1	5	5	—	—	
11	78	74	58°	59°	50°	65°	4°	4°	359	307	74	72	SE	1	W	2	10	10	—	Dull day.	
12	29° 77	29° 85	62°	59°	54°	66°	5°	4°	390	372	70	73	SW	1	NW	2	10	10	110	Dull day.	
13	30° 00	30° 13	63°	58°	55°	79°	3°	2°	473	426	81	86	S	1	NE	1	5	5	—	—	
14	21	30° 30	68°	52°	52°	70°	6°	1°	506	362	72	90	S	1	E	1	7	10	—	Dull, with ∞.	
15	30° 04	29° 85	63°	56°	46°	72°	4°	8°	1°	428	427	73	93	NE	1	SE	1	10	10	240	Cloudy day.
16	29° 64	60	65°	59°	53°	71°	2°	0°	546	476	88	95	E	2	E	1	10	10	470	Dull day. ☉ at night.	
17	55	66	59°	59°	56°	69°	0°	5°	499	483	97	95	S	1	NE	1	10	0	230	☉ till 2p.	
18	66	72	66°	59°	54°	69°	2°	1°	502	390	77	77	SE	1	SW	2	5	5	110	Cloudy day. ☉ noon-3p.	
19	67	61	59°	59°	55°	70°	6°	3°	390	479	77	95	SE	1	S	1	10	10	060	∞. ☉ 6p.	
20	65	69	59°	59°	55°	65°	3°	2°	416	439	82	86	SW	2	SW	1	10	10	010	☉ 5.30a.-noon. Dull day.	
21	66	57	64°	57°	56°	65°	4°	5°	448	445	75	95	SW	1	NW	1	10	10	450	Dull day. Distant T ⁰ ☉ showers.	
22	55	62	58°	57°	53°	65°	1°	2°	406	443	83	95	NW	1	NE	2	10	10	1260	K ☉ n. and during day. ☉ ² 1p.	
23	74	76	59°	57°	55°	69°	4°	2°	382	430	75	91	NE	2	S	1	10	10	010	Cloudy, with ☉ ⁰ showers.	
24	67	76	61°	55°	52°	67°	3°	2°	421	377	78	84	NW	2	NW	2	10	10	—	—	
25	80	84	61°	58°	48°	70°	6°	5°	367	395	68	81	NW	2	NW	6	5	5	—	—	
26	77	60	65°	59°	50°	71°	6°	7°	465	422	74	84	W	6	W	6	5	10	—	Cloudy day. Dull from 4p.	
27	47	45	58°	53°	52°	66°	9°	6°	314	249	65	62	NW	4	NW	6	5	10	—	Cloudy day.	
28	45	40	56°	49°	48°	59°	6°	3°	282	274	62	77	NW	6	NW	6	5	10	040	Cloudy day. ↗ 10a-6p.	
29	31	40	52°	54°	45°	63°	3°	2°	317	375	80	87	N	1	N	2	5	5	010	☉ n. and till 4p.	
30	59	73	58°	56°	50°	68°	4°	3°	367	352	74	77	NE	4	NE	1	5	10	—	—	
31	29° 79	29° 78	55°	51°	48°	62°	3°	3°	341	303	76	79	S	1	S	1	10	10	—	—	
Mean	29° 658	29° 673	60° 7	56° 2	51° 6	67° 8	4° 2	2° 3	407	389	76° 0	85° 3	1° 8		1° 9		7° 6	8° 5	3° 480		

GLASGOW.—JULY 1891.

Height above Mean Sea Level, 180 feet. Heights above Ground:—Bar., 4 feet. Therms., 7 feet. Rain-gauge, 2 feet.
Long. $4^{\circ} 18' W.$ Lat. $55^{\circ} 53' N.$ Gravity Correction, $+0.029$.

1	29° 47'	29° 47'	58° 6'	57° 8'	55° 0'	64° 2'	2° 8'	3° 4'	*407	*379	83	79	SW	2	Calm	0	9	8	*008	Dull and cloudy.
2	*45	*40	60° 2'	55° 3'	64° 0'	6° 9'	2° 7'	*325	*361	*361	62	83	S	2	S	2	5	9	*135	Cloudy, with showers.
3	*48	*63	50° 3'	54° 9'	51° 8'	65° 4'	3° 2'	5° 3'	*362	*289	80	67	W	2	W	2	10	5	—	☀ ⁰ . Fine day.
4	*72	*74	57° 0'	51° 9'	48° 1'	62° 5'	3° 8'	5° 8'	*357	*292	76	75	W	2	W	1	10	9	—	
5	*65	*45	60° 1'	55° 8'	49° 9'	64° 3'	6° 7'	1° 3'	*329	*407	63	92	S	1	NE	1	10	10	*120	Gloomy and overcast. ● ⁿ .
6	*35	*21	59° 8'	52° 4'	51° 9'	62° 3'	6° 7'	2° 7'	*325	*323	63	82	SW	1	N	1	4	10	*250	Dull and cloudy. ● ² .
7	*23	*36	58° 6'	56° 7'	45° 5'	64° 2'	4° 7'	4° 7'	*357	*330	73	73	NW	1	N	1	5	4	*080	
8	*55	*76	58° 6'	55° 0'	52° 0'	61° 5'	4° 7'	3° 6'	*357	*335	73	77	N	2	NE	1	9	10	—	Dull and cloudy.
9	*89	*93	58° 3'	55° 2'	52° 4'	67° 4'	5° 5'	3° 1'	*334	*349	69	81	E	1	E	2	7	5	—	Overcast a. Fine afternoon.
10	*88	*84	59° 1'	54° 0'	46° 2'	63° 8'	5° 3'	2° 4'	*340	*351	70	84	W	2	W	2	8	7	—	
11	*79	*76	55° 5'	54° 8'	51° 9'	59° 2'	3° 9'	1° 6'	*334	*382	76	80	W	1	SW	1	10	10	*010	Dull and overcast.
12	*77	29° 87'	58° 9'	56° 7'	53° 5'	65° 2'	4° 4'	2° 4'	*367	*389	74	85	SW	1	SW	1	10	10	—	Dull and overcast.
13	29° 98'	30° 10'	64° 5'	57° 8'	54° 9'	68° 6'	5° 2'	3° 8'	*433	*369	72	77	SW	1	W	1	7	2	—	
14	30° 19'	30° 15'	63° 9'	55° 4'	50° 4'	70° 6'	5° 3'	1° 9'	*421	*384	71	88	E	2	E	2	4	6	—	
15	30° 03'	29° 81'	61° 7'	57° 7'	51° 8'	73° 2'	6° 3'	3° 0'	*361	*388	66	82	E	1	E	1	6	4	*236	
16	29° 03'	*58	58° 5'	59° 9'	53° 6'	63° 5'	*1° 1'	5° 5'	*456	*467	93	91	W	1	E	1	10	6	*010	Overcast, with ●.
17	*54	*62	61° 5'	60° 7'	58° 9'	71° 4'	2° 2'	3° 0'	*472	*434	87	83	SW	1	S	1	10	0	—	Overcast a.
18	*60	*70	65° 9'	56° 9'	56° 4'	68° 5'	6° 4'	4° 8'	*422	*331	67	71	E	1	S	1	10	0	*230	● ² shower a. Fine day.
19	*63	*64	62° 5'	57° 8'	49° 9'	68° 3'	*7° 8'	2° 1'	*335	*475	59	86	E	1	W	1	0	10	*062	
20	*65	*60	56° 5'	58° 0'	55° 0'	63° 4'	1° 1'	1° 5'	*424	*436	93	90	S	1	W	1	10	10	*030	● ⁰ a. Dull and overcast.
21	*64	*56	60° 0'	56° 3'	56° 3'	65° 8'	2° 5'	1° 9'	*437	*397	85	88	SW	1	SW	1	10	6	*004	Dull and cloudy.
22	*57	*64	61° 6'	58° 0'	51° 6'	64° 6'	5° 9'	4° 3'	*370	*358	68	75	W	1	NW	3	6	8	—	
23	*75	*77	60° 5'	54° 5'	52° 9'	68° 4'	4° 7'	3° 5'	*384	*331	73	77	W	2	W	1	8	7	—	Dull and cloudy.
24	*74	*81	59° 3'	54° 5'	53° 1'	62° 3'	*7° 1'	3° 6'	*309	*329	61	77	W	3	W	2	8	8	—	
25	*85	*90	57° 8'	55° 9'	52° 4'	63° 3'	5° 8'	3° 2'	*321	*357	67	81	W	3	W	2	6	10	—	
26	*82	*63	57° 6'	57° 1'	53° 5'	63° 8'	2° 2'	2° 2'	*409	*401	86	86	W	3	W	2	10	9	—	Dull and overcast.
27	*50	*52	55° 4'	50° 1'	50° 0'	60° 2'	*7° 4'	3° 6'	*257	*274	58	72	W	3	SW	2	7	6	—	Fine and clear.
28	*51	*45	55° 4'	50° 6'	47° 4'	*7° 0'	4° 5'	*264	*261	60	72	W	3	W	2	9	10	—	Cloudy and squally.	
29	*34	*43	56° 2'	55° 8'	47° 3'	63° 9'	5° 2'	5° 4'	*312	*304	69	68	W	2	NW	2	8	5	*054	Fine a. ● ² shower in afternoon.
30	*59	*71	58° 9'	56° 6'	54° 2'	69° 2'	*7° 0'	6° 7'	*307	*323	62	63	NE	2	N	1	9	2	—	
31	29° 76'	29° 76'	58° 4'	53° 0'	47° 7'	66° 1'	4° 8'	2° 5'	*352	*335	72	83	W	1	W	1	9	6	—	
Mean	29° 663'	29° 673'	59° 3'	55° 8'	51° 9'	65° 1'	5° 0'	3° 2'	*363	*357	72° 0'	80° 0'		1° 6'		1° 4'	7° 9'	6° 8'	1° 220'	

WOLFELEE.—JULY 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	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.	58.5	57.0	53.0	66.8	3.4	2.4	in.	in.	80	85	SW	SW	—	ins.	Blow a. Fine day.	
2	29.06	29.04	57.5	54.0	47.5	65.0	4.4	1.9	.389	.394	74	87	SW	SW	—	.240	Fine and blowy a. ● showers p.	
3	29.06	29.04	57.5	54.0	47.5	65.0	4.4	1.9	.349	.363	74	87	SW	SW	—	.110	● showers a. K in afternoon. ● p.	
4	29.24	29.04	56.0	46.5	44.0	65.2	4.4	0.9	.331	.295	73	93	NW	NW	—	.340	Fine and clear.	
5	28.94	28.79	57.2	54.0	46.5	63.8	3.1	2.4	.378	.350	81	84	NE	NE	—	.030	Fine and bright a. ● showers p.	
6	28.79	28.91	52.5	51.0	45.5	62.4	2.4	0.9	.331	.351	84	94	N	NE	—	.040	Fine a. ● showers p.	
7	29.07	29.36	63.0	52.5	39.0	67.0	6.4	1.9	.377	.344	65	87	NW	NW	—	.140	Dull a. T in afternoon. Cloudy p.	
8	29.44	29.48	55.0	53.0	49.0	60.0	3.4	0.9	.339	.377	79	94	NW	NW	—	—	Dull a. Cloudy p.	
9	29.41	29.36	63.0	52.0	45.0	72.0	6.4	0.9	.377	.364	65	94	NW	NW	—	—	Dull day.	
10	29.34	29.34	55.0	53.0	42.0	62.0	3.4	1.4	.339	.363	79	90	NW	NW	—	—	Fine and clear.	
11	29.34	29.42	58.0	55.0	51.5	61.5	4.4	3.4	.357	.339	74	79	NW	NW	—	—	Dull p.	
12	29.54	29.62	62.0	55.0	51.0	70.5	4.9	2.4	.402	.365	73	85	W	NE	—	—	Cloudy a. ● showers p.	
13	29.72	29.69	62.0	55.0	49.0	75.2	3.4	2.4	.444	.365	80	85	N	NE	—	—	Cloudy a. Dull p.	
14	29.56	29.40	59.5	52.0	48.0	72.0	2.4	0.9	.432	.364	86	94	NE	NE	—	—	Dull and blowy a. ● showers p.	
15	29.18	29.14	55.5	58.0	51.0	59.0	0.9	1.4	.415	.439	94	91	N	NE	—	.360	● a. Dull p.	
16	29.12	29.18	60.2	54.5	48.0	64.0	1.1	1.9	.485	.371	94	87	W	W	—	.120	● showers.	
17	29.12	29.24	62.8	53.5	48.0	69.0	3.7	0.9	.449	.384	79	93	W	W	—	.010	Fine a. and p.	
18	29.20	29.22	58.0	59.5	48.0	70.0	2.4	4.9	.410	.365	85	71	W	SW	—	.040	Fine day.	
19	29.24	29.28	59.0	55.0	49.5	64.0	2.9	1.4	.410	.392	83	91	SW	SW	—	.020	Blow a. Dull day.	
20	29.22	29.14	59.0	54.8	53.5	62.5	0.9	1.4	.470	.390	95	91	W	SW	—	.500	Dull, with ● showers.	
21	29.11	29.15	57.5	54.5	50.0	64.0	2.9	1.1	.389	.393	82	93	NW	NW	—	.730	Fine a. ● p.	
22	29.26	29.32	57.0	55.0	53.0	67.0	1.4	1.9	.422	.378	91	88	NW	NW	—	—	Dull a. Fine p.	
23	29.27	29.32	60.0	51.0	43.8	65.5	2.9	0.9	.426	.351	83	94	NW	NW	—	—	Fine day.	
24	29.38	29.44	59.5	55.5	49.0	68.5	1.4	2.1	.463	.381	92	86	NW	NW	—	—	Blow a. Fine and clear.	
25	29.38	29.42	63.5	59.0	47.5	69.8	1.9	2.9	.519	.410	89	83	NW	NW	—	—	Fine and blowy a. Dull and blowy p.	
26	29.03	29.06	57.0	49.0	48.0	63.0	2.4	2.9	.394	.278	85	80	NW	NW	—	—	Fine day. Blowy p.	
27	29.05	29.01	52.0	47.0	42.0	61.0	4.9	1.9	.268	.277	70	87	NW	NW	—	—	Fine and blowy a. Dull p.	
28	28.90	28.93	49.5	51.0	44.0	64.2	2.9	1.4	.283	.338	80	90	NW	N	—	.010	Dull a. Distant T ● showers.	
29	29.08	29.20	53.0	53.0	48.0	61.0	2.4	2.4	.337	.337	84	84	NE	NE	—	.150	Dull, with ● showers a. Fine and	
30	29.32	29.31	50.5	53.0	44.0	58.0	1.4	1.4	.331	.363	90	90	NE	ENE	—	.040	Dull a. Fine p. [blowy p.]	
Mean	29.215	29.228	57.9	53.7	47.5	65.2	3.2	1.9	.389	.363	80.9	87.7	—	—	—	2.090		

SCARBOROUGH.—JULY 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

1	29.57	29.51	68.6	56.4	50.5	69.3	7.9	0.7	4.25	4.34	60	96	SW	3	SW	2	4	5	500	Very fine.
2	29.60	29.60	62.6	57.6	53.0	68.6	5.4	1.9	3.96	4.18	70	87	SW	1	SW	3	5	7	500	Fine day.
3	29.61	29.70	61.6	53.6	49.5	70.3	5.9	2.4	3.69	3.45	68	83	SW	5	SW	1	0	0	—	Brilliant day.
4	29.73	29.80	63.6	54.8	49.5	66.3	7.4	1.6	3.62	3.82	62	89	SW	2	SW	1	5	0	500	Brilliant day.
5	29.75	29.58	63.6	57.6	48.5	68.3	4.9	0.4	4.27	4.02	73	97	S	2	SE	3	5	10	500	Very fine, then ●.
6	29.49	29.35	62.4	54.1	54.1	66.7	2.2	2.3	4.87	3.55	87	84	SW	2	SW	2	5	3	500	● showers, then very fine.
7	29.25	29.33	58.1	50.6	49.8	60.3	0.4	0.4	4.70	3.58	97	97	SW	3	SW	3	8	3	500	● showers, then very fine.
8	29.42	29.65	53.8	54.6	49.5	60.3	0.4	0.4	4.03	4.15	97	97	W	3	NW	4	10	7	500	2 a., then fine.
9	29.83	29.96	57.7	50.8	50.8	59.1	2.5	1.1	4.01	3.43	84	92	NW	4	NW	3	5	1	500	Very fine.
10	29.93	29.81	56.1	61.0	50.0	64.5	2.5	2.8	3.77	4.46	84	83	NW	1	SW	2	8	3	—	Fine day.
11	29.82	29.82	57.8	56.6	52.5	61.7	2.6	1.4	4.01	4.18	83	90	NW	2	W	1	9	10	—	Very fine. ☼ over sea.
12	29.86	29.92	56.6	56.8	55.1	61.7	2.4	1.6	3.88	4.15	84	89	W	2	SW	2	10	10	—	Fine day.
13	30.03	30.14	60.6	54.7	54.7	66.1	4.2	1.5	3.99	3.84	76	90	SW	2	Calm	0	7	0	—	Very fine. ☼ over sea.
14	30.16	30.11	61.3	56.6	48.7	65.7	3.1	0.4	4.41	4.46	81	97	NE	2	Calm	0	3	2	—	Fine day.
15	29.96	29.74	58.0	54.6	54.3	58.8	2.0	0.2	4.21	4.21	87	99	N	5	NW	5	7	10	250	Fine, then stormy with ●.
16	29.59	29.58	57.8	59.4	53.7	63.4	0.6	0.4	4.61	4.91	95	98	NW	3	NW	1	10	10	500	Dull and close, with ●.
17	29.61	29.69	64.2	62.8	58.0	74.7	2.3	2.6	5.18	4.82	86	84	SW	2	SE	2	5	1	—	Very fine.
18	29.75	29.77	71.6	62.6	58.8	71.6	6.4	1.7	5.26	5.07	68	89	SW	3	S	1	1	10	500	Very fine and hot.
19	29.70	29.81	61.6	60.8	56.3	68.6	3.8	2.5	4.41	4.51	78	82	SW	1	W	2	9	1	500	● n. ● shower noon.
20	29.74	29.65	64.4	58.0	57.3	66.9	2.7	1.8	5.07	4.27	84	88	SW	3	SW	2	3	7	—	Dark and threatening at times.
21	29.55	29.60	62.6	53.8	53.8	63.7	4.6	0.4	4.19	4.03	74	97	SW	2	SW	1	8	10	170	● showers. K 2 p.—3 p.
22	29.65	29.79	59.4	56.0	53.8	63.4	2.8	1.0	4.19	4.18	84	93	N	3	NW	1	7	2	—	Fine a. ● p.
23	29.77	29.80	62.2	58.0	52.0	72.2	3.8	5.1	4.34	3.39	78	71	W	2	W	3	8	0	—	Very fine.
24	29.87	29.90	58.4	58.8	50.5	66.0	4.6	3.4	3.58	3.93	73	79	W	3	SW	2	9	1	—	Very fine.
25	29.86	29.90	62.4	61.4	51.3	68.6	4.4	2.4	4.21	4.04	75	86	W	2	W	1	4	6	—	Very fine.
26	29.50	29.49	59.2	52.2	52.2	62.7	1.5	1.5	4.54	3.51	91	90	SW	1	W	2	9	1	100	● a. Brilliant afternoon.
27	29.50	29.50	55.4	53.7	44.0	64.5	4.9	3.9	3.08	3.11	71	75	W	3	W	2	5	4	—	Very fine and clear.
28	29.38	29.34	54.4	52.0	46.8	60.8	5.0	2.3	2.94	3.28	69	84	SW	4	SW	3	8	3	190	● 2 a.—9 p.
29	29.40	29.55	57.6	54.3	50.6	60.1	3.8	0.1	3.66	4.19	78	99	N	5	N	7	5	10	1360	
30	29.69	29.78	53.9	49.6	49.6	54.5	0.3	0.4	4.07	3.45	98	97	N	4	NW	1	10	0	—	
Mean	29.689	29.699	60.3	56.2	52.1	65.0	3.5	1.6	4.19	4.06	80.1	89.5	—	—	—	—	—	—	—	2.7

CRONKBORNE (DOUGLAS, ISLE OF MAN).—JULY 1891.

Height above Mean Sea Level, 187 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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	56°0	54°2	52°6	61°0	0°5	0°2	434	415	97	99	SSW 2	SSE 2	10	8	ins.	☼ (mist) a. Dull day. [from 4 p. ● showers
2	53	54	58°2	53°8	49°0	59°6	1°6	1°0	436	385	90	93	SSW 5	WSW 3	4	7	—	Squally a. Fine day.
3	54	75	59°2	52°6	51°3	62°0	4°4	1°1	373	367	74	93	WSW 3-4	NW 2	7	4	—	Very fine. ☼ p.
4	83	82	60°4	48°4	48°2	63°0	3°7	0°8	410	320	78	94	NW 3-4	NNE 1	3	4	—	Very fine. ☼ p.
5	69	50	57°3	55°0	47°0	57°3	1°9	0°1	413	430	87	99	SE 3	SW 1	8	10	194	Dull day. ☼ p.
6	43	22	53°6	52°0	51°7	60°8	4°0	1°0	400	361	97	93	Calm 0	WSW 5	10	10	494	☼ (mist) a. Squally [showers. ● 2
7	37	42	55°7	53°0	49°6	60°0	3°0	0°2	361	397	81	99	NW 4-5	NW 4	8	10	172	Cloudy. ● showers p.
8	60	29°81	54°0	53°0	52°0	60°0	0°6	1°0	400	374	96	93	NNW 5	NNW 5	9	10	005	Dull, with ☼ a. Fine p.
9	94	30°01	55°0	51°7	51°7	62°0	1°2	1°2	397	352	92	92	WNW 2	NNW 4	10	5	—	Cloudy day.
10	99	29°93	59°8	53°7	48°8	61°8	3°9	1°1	394	381	77	92	NNW 5	NW 4	2	7	—	☼ a. Fine day.
11	90	86	55°1	53°8	52°0	60°0	2°3	0°8	369	391	85	94	WNW 2-3	SW 2	10	10	—	Dull day.
12	29°87	29°94	60°0	57°0	52°8	63°4	3°8	2°0	401	405	77	87	WNW 2	SW 1	8	10	—	Dull day.
13	30°05	30°17	65°0	56°0	47°3	68°8	4°8	1°0	453	419	74	93	S 1	NNW 2	6	1	—	Fine day. ☼ p.
14	18	30°13	69°0	62°0	49°0	71°8	9°0	4°7	402	407	56	74	NNE 1	ENE 3	2	7	—	Very fine.
15	30°02	29°82	61°3	57°2	48°3	67°7	3°5	1°2	420	431	80	92	E 2	NW 3	7	8	—	Fine day.
16	29°69	64	60°2	56°0	54°2	67°0	1°5	0°8	472	425	91	94	WNW 1	W 1	9	7	—	Dull day.
17	64	68	64°7	58°0	48°2	67°8	4°3	1°0	463	451	76	93	S 1	S 2	0	4	214	Very fine.
18	69	75	59°3	54°8	53°0	61°5	0°6	0°8	486	406	96	94	SSW 4	S 2	7	3	001	Dull, with ☼ a. Fine afternoon.
19	64	76	60°0	54°8	53°2	65°2	1°4	0°6	476	463	92	96	SE 4	WSW 3	3	19	—	Cloudy day.
20	79	79	58°0	54°8	53°8	59°4	1°4	0°0	439	430	91	100	SSW 5	SSW 1	10	10	111	Dull day. ● showers from noon. ☼ p.
21	73	65	61°8	55°8	54°0	63°5	2°8	0°5	459	431	83	96	WSW 1	WSW 2	9	8	—	Dull day.
22	66	70	60°2	56°0	50°0	63°2	2°7	2°2	435	386	84	86	NNW 4	NW 7-8	7	8	—	Fine afternoon. Squally ☼ p.
23	85	88	60°7	55°7	53°0	63°2	3°5	2°2	420	381	80	86	NW 6-7	W 2	6	8	—	Squally ☼ a. Fine day.
24	88	29°93	59°9	55°9	52°5	65°2	2°7	1°9	430	392	84	88	NW 5	NW 2	7	8	002	Dull a. Fine afternoon.
25	99	30°01	59°0	56°0	54°2	64°0	3°0	1°8	407	397	82	88	WNW 4	NNW 1	10	8	—	Dull a. Fine afternoon.
26	95	29°76	61°8	59°0	55°0	67°8	4°0	1°4	423	455	77	92	WNW 2	WNW 2	6	8	—	Fine day.
27	62	63	59°3	51°5	50°0	59°5	4°5	3°0	372	305	74	80	NNW 5	NW 4-5	4	4	013	Squally ☼ a. and p. Fine day.
28	66	60	55°9	52°2	49°9	58°5	4°0	2°2	339	332	76	85	NW 7	NW 3	4	10	144	Squally ☼ ● showers a. ● n.
29	45	49	56°8	53°5	47°5	58°9	3°4	1°0	364	382	78	94	NNW 5-6	NW 5	6	9	—	Squally ☼ a. and p. Fine day.
30	63	74	59°4	57°0	51°3	65°9	5°1	1°3	358	425	71	91	N 4-5	NNW 6	6	10	—	Fine day. ☼ p.
31	29°86	29°83	55°7	53°7	50°0	61°5	1°3	1°7	405	364	91	88	NW 4	N 4	8	8	—	
Mean	29°752	29°751	59°1	54°9	51°0	62°8	2°9	1°3	414	395	82°8	91°5	3°4	2°9	6°6	7°5	1°376	

HILLINGTON.—JULY 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $0^{\circ} 33' E.$ Lat. $52^{\circ} 48' N.$ Gravity Correction, +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.	65.0	61.0	57.2	60.3	5.3	0.8	in.	in.	72	95	SE	0.5	SW	0.5	10	10	ins. 176
2	29.66	29.56	65.0	61.0	57.2	60.3	5.3	0.8	437	509	72	95	SE	0.5	SW	0.5	5	7	—
3	76	74	61.9	58.8	50.0	60.5	4.3	3.1	418	401	75	81	SW	3	SW	0.5	5	7	—
4	75	77	61.6	57.3	49.1	70.5	5.0	2.6	393	393	72	85	SW	3	SW	1	6	7	—
5	85	89	64.4	57.2	46.0	69.8	6.2	1.5	403	422	66	90	W	3	SW	0.5	6	9	—
6	87	72	63.0	58.8	50.0	66.4	7.5	1.2	349	457	61	93	S	3	S	2	5	10	—
7	64	52	60.3	56.0	56.0	69.4	1.7	4.3	407	330	90	74	SW	2	SW	4	10	0	—
8	49	48	59.0	53.0	50.8	64.6	6.3	2.3	324	340	65	84	W	4	W	0.5	6	10	—
9	52	29.67	57.9	56.2	50.3	62.6	3.2	1.7	385	401	80	80	NW	5	N	2	8	8	—
10	29.88	30.01	58.0	54.0	53.8	64.9	2.3	2.4	412	351	85	84	NNE	4	N	1	10	7	—
11	30.02	29.93	55.1	58.4	50.4	68.6	2.4	1.8	366	433	84	89	N	1	SW	0.5	10	8	—
12	29.90	29.91	57.9	58.1	49.0	64.4	2.5	2.2	404	416	84	85	NW	2	WNW	0.5	10	10	—
13	29.96	30.01	57.1	54.9	54.3	65.5	3.0	2.1	378	371	81	87	SW	0.5	NW	0.5	10	3	—
14	30.11	1.8	67.0	54.0	44.1	70.6	8.4	1.3	386	379	58	91	NNE	1	NE	0.5	6	7	—
15	30.20	30.11	63.0	57.0	52.4	65.0	5.2	1.3	407	425	71	91	NE	3	NE	3	3	10	—
16	29.99	29.83	58.9	54.7	54.3	60.3	2.4	1.0	422	399	85	93	N	3	NW	2	10	10	—
17	72	69	60.9	62.1	55.3	74.6	3.5	1.7	445	498	79	89	NW	2	SW	0.5	6	10	—
18	73	86	69.1	63.1	55.0	81.5	5.8	2.5	496	491	70	85	SW	2	S	1	1	4	—
19	90	89	66.1	62.9	53.5	70.8	2.7	3.2	541	464	84	81	S	2	S	2	6	10	—
20	85	90	60.0	60.2	53.9	70.6	3.4	2.5	412	441	80	85	SW	3	WSW	1	10	8	—
21	96	96	63.1	60.0	53.4	70.5	5.5	2.6	400	434	70	84	W	3	SW	1	6	10	—
22	88	76	64.0	59.8	57.5	70.6	3.3	2.1	480	477	81	93	SW	2	WNW	1	10	10	—
23	71	74	60.0	54.4	54.0	66.3	1.4	1.7	470	374	92	89	W	3	W	0.5	5	10	—
24	72	84	55.0	53.1	51.9	61.5	0.3	0.4	424	393	98	97	NW	1	N	0.5	10	0	—
25	29.92	29.94	61.1	56.0	45.7	69.5	4.4	3.2	400	379	75	80	NW	4	W	1	5	1	—
26	30.01	30.03	57.2	54.8	49.9	64.8	3.9	2.2	357	367	76	86	NW	3	W	1	10	1	—
27	29.97	29.81	61.9	57.9	43.9	71.5	4.3	1.2	416	443	75	92	WNW	1	WSW	1	6	7	—
28	58	60	59.1	51.3	51.3	67.5	0.9	0.4	472	367	94	97	WNW	0.5	WNW	1	10	6	—
29	66	63	55.9	49.7	42.0	61.4	4.2	2.9	331	285	74	81	NW	3	W	3	5	0	—
30	53	45	51.0	49.9	44.1	56.3	0.3	0.2	366	355	98	99	SW	3	WSW	0.5	10	2	—
31	43	59	52.0	48.0	47.1	60.3	1.2	0.3	356	338	92	98	W	2	NE	0.5	10	1	—
Mean	29.72	29.84	62.5	53.1	40.9	65.5	4.9	0.4	409	393	72	97	NE	2	NW	1	6	10	—
Mean	29.803	29.801	60.3	56.3	50.5	67.1	3.7	1.8	410	403	78.7	88.5		2.4		1.1	7.5	6.6	3.619

CHURCHSTOKE.—JULY 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, + '018.

1	20°15	29°20	50°2	53°4	50°2	64°3	2°7	1°4	*369	84	90	SW	1	W	1	9	2	*165	3p.-6p.	
2	*21	*23	57°8	52°1	45°0	64°5	2°9	2°9	*393	*315	82	80	SW	3	SW	1	5	1	*140	Squally, with showers.
3	*26	*34	61°1	52°1	46°0	66°4	0°9	2°9	*338	*315	63	80	W	2	W	1	5	3	—	0 showers.
4	*40	*45	52°3	52°3	44°2	65°2	2°3	2°3	*331	*331	84	84	NW	1	NW	1	7	1	*026	Squally showers.
5	*30	*17	54°3	59°0	43°8	61°9	1°8	2°6	*370	*419	88	84	SE	4	WSW	4	10	6	*130	0 showers.
6	20°05	*02	59°2	54°1	54°0	65°0	1°3	2°9	*461	*339	92	80	S	3	W	3	10	8	*172	0 showers.
7	28°08	*05	54°7	54°9	40°8	61°7	3°7	1°9	*338	*375	76	88	WSW	3	WNW	3	10	10	*050	0 showers.
8	20°16	*34	56°9	54°5	51°2	63°6	3°1	2°8	*373	*348	81	81	NW	2	WNW	2	10	4	*043	0 showers.
9	*48	*58	58°0	56°3	45°4	66°9	4°0	3°3	*366	*360	76	79	NW	1	NNE	0°5	8	4	—	Bright and warm.
10	*57	*55	59°2	51°7	49°0	60°9	4°0	2°7	*382	*315	76	82	N	1	NW	2	3	2	—	Cloudy day.
11	*48	*47	56°9	53°3	40°5	70°1	2°9	2°3	*379	*344	82	84	W	2	NW	1	10	10	—	Bright and hot.
12	*48	*53	60°5	57°8	50°8	65°9	8°5	4°8	*295	*344	56	72	NW	1	W	1	9	10	—	Haze on hills.
13	*64	*72	60°0	58°0	51°5	70°4	5°2	5°0	*364	*342	70	71	W	2	NNW	1	8	0	—	8 op.
14	*73	*65	62°2	53°7	46°0	60°3	4°3	2°2	*421	*353	76	86	NNW	1	NNW	1	0	9	—	Distant T.
15	*56	*40	57°5	57°8	51°8	60°8	4°3	2°8	*352	*396	74	82	NNW	1	NNW	1	8	8	—	0 showers early a.
16	*27	*23	65°0	50°9	50°4	74°9	5°1	1°9	*444	*324	73	87	W	2	SW	1	9	0	—	Dull, mild and breezy, with showers
17	*23	*34	66°5	56°1	42°8	76°1	6°8	2°1	*421	*388	65	86	SE	1	SSW	1	9	4	*022	0 showers early a.
18	*35	*38	64°8	56°9	54°0	70°4	7°4	5°9	*379	*506	62	65	WSW	3	SW	1	8	8	*080	0 showers early a.
19	*28	*45	61°2	55°7	46°0	70°4	5°0	2°6	*385	*369	72	84	SW	3	W	2	8	5	—	Dull, mild and breezy, with showers
20	*45	*41	59°5	59°0	52°0	67°4	3°5	1°1	*401	*404	79	93	SW	1	WSW	1	9	9	*045	0 showers early a.
21	*37	*28	62°2	57°1	56°8	65°9	3°3	1°9	*449	*410	81	87	SW	1	SW	1	9	7	*026	0 showers early a.
22	*25	*35	58°8	54°1	50°2	63°3	4°2	1°1	*371	*386	75	92	WNW	1	NW	1	7	10	*263	0 showers p.
23	*39	*48	54°1	55°2	52°0	61°2	2°5	2°2	*349	*373	83	86	NW	2	WNW	2	10	6	*001	Cloudy day.
24	*45	*54	59°0	57°2	49°0	64°3	2°4	1°6	*424	*421	86	90	W	2	WSW	1	9	1	—	Dull day.
25	*58	*09	59°2	55°4	51°7	66°6	4°5	1°9	*370	*384	74	88	W	2	NW	1	8	2	—	Cloudy and warm.
26	*52	*33	62°0	59°4	44°2	69°	4°1	1°3	*424	*464	77	93	Calm	0	Calm	0	8	7	*008	Warm and close.
27	*15	*25	62°0	47°7	47°0	65°4	3°1	1°6	*453	*292	82	89	NW	1	NW	2	10	2	—	Cold wind.
28	*23	*25	53°8	49°0	42°8	58°3	4°0	2°6	*309	*295	75	82	NW	3	W	1	10	4	*028	0°.
29	*02	*08	55°7	52°1	48°4	50°3	2°0	1°8	*385	*343	87	87	W	2	NW	1	10	9	*242	0° 2 all morning.
30	*09	*26	55°9	54°1	47°1	57°6	2°9	3°1	*364	*335	82	79	WNW	2	WSW	2	6	9	*212	Distant T 0° 3.
31	20°36	20°42	55°0	49°9	47°0	59°6	3°1	1°1	*360	*330	81	93	NW	1	W	2	9	4	—	0° 2
Mean	20°336	20°366	58°0	54°6	48°6	66°0	3°9	2°5	*383	*360	77°2	84°0	1°8		1°4	8°1	5°3	1°653		

CARMARTHEN.—JULY 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $4^{\circ} 18' W.$ Lat. $51^{\circ} 52' N.$ Gravity Correction, $+018$.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							9 a.m.	9 p.m.
1	ins. 29° 51	ins. 29° 58	59° 5	53° 2	52° 8	62° 8	1° 3	0° 6	in. ° 465	in. ° 388	92	96	S	1	Calm	0	10	1	ins. ° 310	Dull, with ☉ till 6p.
2	° 57	° 59	58° 2	54° 0	52° 8	62° 5	1° 6	0° 6	° 436	° 400	90	96	SW	4	SW	1	10	10	° 200	Dull, with ☉.
3	° 66	° 71	62° 8	54° 4	51° 0	66° 2	0° 5	2° 0	° 371	° 366	66	87	SW	1	SW	1	8	10	° 070	☉ showers a. Fine p.
4	° 79	° 80	61° 8	52° 1	50° 4	66° 1	4° 8	1° 3	° 401	° 353	73	91	NW	1	W	1	8	6	° 330	Fine day.
5	° 60	° 59	55° 5	57° 8	50° 1	61° 5	0° 3	1° 3	° 431	° 437	97	92	SW	2	SW	2	10	10	° 370	Overcast, with ☉ all day.
6	° 47	° 43	59° 8	57° 9	53° 6	63° 7	1° 3	2° 3	° 470	° 352	92	85	SW	3	SW	3	10	4	° 100	☉ a.
7	° 45	° 40	53° 7	55° 9	48° 5	61° 4	1° 3	3° 2	° 375	° 357	91	80	W	4	W	5	10	10	° 140	Frequent ☉ showers.
8	° 63	° 75	53° 5	52° 7	51° 4	56° 5	0° 9	1° 3	° 384	° 362	93	91	NW	2	N	4	10	10	° 100	Frequent ☉ showers.
9	° 88	° 94	62° 5	53° 7	51° 2	64° 0	0° 4	1° 3	° 424	° 375	75	91	N	1	N	2	10	0	—	Fine day.
10	° 96	° 91	60° 4	51° 5	51° 0	64° 4	4° 4	1° 9	° 399	° 331	76	87	N	1	N	1	3	0	—	Fine day.
11	° 87	° 84	59° 8	54° 7	46° 8	61° 7	4° 2	2° 3	° 386	° 364	76	85	N	1	Calm	0	10	7	—	Dull day.
12	29° 86	29° 93	59° 6	56° 0	48° 5	66° 4	6° 2	2° 6	° 334	° 373	66	83	Calm	0	NW	1	8	8	—	—
13	30° 01	30° 05	65° 0	61° 0	51° 4	71° 4	5° 7	3° 9	° 427	° 413	70	78	N	1	N	3	9	0	—	Very fine. ∞
14	30° 07	29° 09	70° 4	58° 6	51° 5	74° 8	8° 6	4° 2	° 434	° 369	58	75	E	2	N	1	5	0	—	Fine day. ∞
15	29° 02	° 75	62° 3	59° 2	53° 8	70° 7	6° 0	2° 7	° 375	° 419	68	84	E	3	N	1	6	6	—	Fine day. ∞
16	° 64	° 61	60° 9	56° 7	49° 8	73° 7	8° 3	3° 3	° 434	° 395	59	79	Calm	0	N	1	0	0	—	☉ before 9a. ∞ all day.
17	° 60	° 64	63° 8	61° 3	49° 8	68° 2	5° 0	2° 0	° 427	° 475	72	88	S	2	SE	1	9	9	° 260	☉ before 9a.
18	° 71	° 71	62° 0	56° 7	56° 0	66° 0	4° 4	2° 3	° 416	° 393	74	85	SW	3	S	2	9	4	° 310	—
19	° 84	° 83	58° 8	57° 8	54° 8	66° 7	2° 3	2° 4	° 424	° 406	86	84	W	2	SW	1	10	10	° 080	Dull day.
20	° 81	° 77	57° 4	59° 3	54° 0	62° 2	1° 0	0° 3	° 441	° 494	94	98	S	1	SW	1	10	10	° 050	Dull day.
21	° 75	° 66	64° 2	57° 2	56° 7	66° 5	4° 3	2° 6	° 454	° 393	75	84	W	1	SW	1	8	8	° 020	Dull day.
22	° 68	° 75	57° 3	56° 2	49° 8	65° 3	2° 4	2° 8	° 399	° 371	84	82	NW	1	NW	1	8	8	—	—
23	° 84	° 87	58° 1	56° 2	53° 1	65° 2	3° 7	3° 1	° 375	° 364	77	81	N	2	N	1	10	8	—	—
24	° 89	° 92	60° 4	61° 2	52° 8	68° 7	2° 6	1° 9	° 441	° 475	85	89	NW	2	NW	1	10	0	—	—
25	° 99	° 97	62° 3	52° 5	52° 4	67° 0	5° 5	1° 1	° 389	° 365	70	92	NW	1	Calm	0	5	0	—	Fine day.
26	° 89	° 67	67° 4	59° 1	51° 4	71° 5	7° 9	3° 9	° 406	° 384	60	76	NE	1	NE	2	9	10	° 010	☉ showers from 8p.
27	° 57	° 65	62° 8	50° 9	50° 8	66° 4	3° 5	2° 3	° 454	° 313	80	85	NW	2	NW	1	8	1	° 010	☉ showers.
28	° 67	° 63	58° 3	52° 4	48° 5	61° 6	4° 4	2° 5	° 312	° 328	65	83	NW	2	SW	1	8	10	° 020	Fine day.
29	° 47	° 48	56° 2	53° 7	51° 8	61° 2	2° 0	2° 0	° 393	° 334	87	81	W	3	NW	2	10	10	° 150	Dull day. ☉ showers.
30	° 52	° 66	59° 2	54° 7	51° 1	64° 2	4° 3	2° 5	° 374	° 364	75	85	N	2	Calm	0	8	0	—	Fine day.
31	29° 76	29° 81	60° 0	51° 7	51° 7	66° 2	4° 3	1° 5	° 386	° 349	75	91	NW	1	NW	1	9	2	—	Fine day.
Mean	29° 733	29° 740	60° 7	55° 7	51° 6	65° 6	4° 0	2° 2	° 408	° 382	77° 5	85° 9	1° 7	1° 4	8° 3	5° 9	2° 530			

MARGATE.--JULY 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $1^{\circ} 24'$ E. Lat. $51^{\circ} 24'$ N. Gravity Correction, +.017.

1	29° 68'	29° 68'	63° 2'	58° 3'	73° 5'	4° 2'	1° 8'	4° 39'	4° 31'	76	88	E	2	WSW	3	9	0	—	Fine day.
2	'83	'84	63° 5'	53° 9'	68° 2'	6° 5'	1° 8'	'381	'384	65	93	SW	3	SW	2	8	0	—	Fine day. D_{9p} .
3	'81	'83	61° 8'	57° 9'	60° 1'	68° 1'	5° 0'	2° 2'	'396	'413	72	86	WSW	2	SW	1	9	10	—
4	'90	'94	61° 0'	58° 5'	60° 1'	67° 7'	3° 8'	2° 2'	'416	'422	78	86	W	2	W	2	5	7	● ² showers.
5	'95	'81	60° 1'	58° 2'	60° 5'	66° 8'	3° 7'	0° 2'	'406	'479	78	99	WSW	2	SW	2	9	10	—
6	'75	'62	61° 7'	57° 2'	57° 1'	65° 7'	3° 6'	1° 1'	'433	'434	79	92	W	3	W	2	10	6	● ² showers.
7	'62	'58	60° 3'	54° 6'	51° 1'	64° 8'	6° 6'	0° 8'	'334	'403	64	95	SW	2	W	3	7	3	● ² showers.
8	'58	29° 71'	56° 0'	56° 0'	53° 1'	64° 0'	1° 4'	2° 5'	'407	'375	91	84	W	2	NW	3	10	2	'140
9	29° 85'	30° 01'	58° 6'	58° 0'	53° 9'	64° 0'	1° 8'	4° 1'	'436	'364	89	76	NW	2	N	2	7	0	'020
10	30° 03'	29° 06'	57° 5'	58° 2'	54° 1'	64° 1'	4° 0'	1° 2'	'358	'447	76	92	N	1	N	1	5	9	—
11	29° 93'	29° 93'	60° 0'	60° 9'	54° 9'	67° 0'	4° 0'	2° 9'	'396	'441	76	83	W	2	Calm	0	5	4	—
12	29° 96'	30° 01'	65° 0'	59° 0'	57° 4'	67° 0'	7° 8'	1° 2'	'371	'462	60	93	SE	1	E	1	8	10	—
13	30° 11'	'19	60° 0'	57° 8'	56° 7'	62° 3'	1° 9'	1° 3'	'456	'437	89	92	E	1	E	1	10	0	—
14	30° 17'	30° 08'	61° 8'	57° 1'	56° 1'	62° 9'	3° 3'	1° 9'	'444	'410	81	87	NE	2	E	2	2	8	—
15	29° 06'	29° 85'	60° 0'	59° 8'	56° 1'	69° 0'	3° 0'	3° 0'	'424	'421	82	82	NE	1	NW	1	10	9	—
16	'77	'75	62° 1'	61° 8'	52° 4'	73° 3'	4° 8'	4° 4'	'406	'413	73	75	SW	1	SE	1	9	10	—
17	'78	'87	72° 6'	61° 8'	53° 5'	76° 8'	11° 1'	2° 8'	'407	'459	51	83	W	2	S	1	3	0	—
18	'94	29° 95'	65° 8'	60° 0'	55° 4'	71° 3°	3° 0'	0° 4'	'526	'505	83	98	S	2	SW	2	10	10	'240
19	29° 94'	30° 01'	60° 7'	57° 8'	56° 2'	68° 8'	2° 7'	2° 2'	'444	'412	84	86	SW	4	SW	3	10	0	—
20	30° 04'	30° 03'	62° 5'	57° 5'	52° 4'	67° 4'	5° 6'	1° 3'	'389	'433	70	91	SW	2	SW	1	8	10	'100
21	29° 94'	29° 86'	62° 7'	57° 8'	56° 9'	69° 1'	1° 5'	1° 2'	'516	'441	91	92	SSW	2	S	2	10	10	—
22	'80	'80	60° 1'	54° 3'	54° 1'	69° 5'	3° 6'	2° 1'	'409	'362	79	85	SW	1	SW	1	9	0	'020
23	'82	'87	57° 2'	58° 0'	50° 9'	61° 9'	3° 2'	1° 9'	'374	'424	80	88	WSW	3	SW	4	10	10	'170
24	29° 95'	29° 98'	59° 8'	58° 5'	54° 6'	68° 2'	3° 3'	1° 3'	'412	'449	80	91	SW	2	SW	1	9	0	—
25	30° 06'	30° 07'	60° 9'	59° 8'	52° 3'	66° 1'	5° 9'	2° 6'	'358	'431	67	84	W	1	Calm	0	10	10	—
26	30° 01'	29° 84'	62° 2'	55° 9'	53° 6'	69° 0'	5° 3'	0° 7'	'393	'427	71	96	Calm	0	Calm	0	1	2	'050
27	29° 55'	'64	61° 3'	60° 2'	55° 1'	62° 7'	1° 2'	5° 0'	'498	'371	93	71	SE	2	W	3	10	10	1° 290
28	'72	'70	57° 0'	56° 4'	50° 4'	63° 7'	0° 9'	4° 7'	'436	'325	94	72	SW	2	SW	2	4	10	—
29	'63	'49	54° 9'	55° 3'	44° 6'	60° 4'	3° 1'	0° 7'	'345	'416	80	95	SW	3	SW	2	10	10	'050
30	'50	'55	52° 0'	55° 0'	49° 1'	60° 0'	1° 0'	2° 2'	'361	'370	93	86	SW	2	Calm	0	6	9	'050
31	29° 70'	29° 83'	57° 2'	57° 0'	51° 1'	62° 1'	3° 2'	1° 7'	'374	'415	80	89	NW	1	E	2	10	10	'050
Mean	29° 84'	29° 84'	60° 6'	57° 8'	53° 4'	66° 6'	3° 9'	2° 0'	'411	'419	78° 2'	87° 4'	1° 9'		1° 6'	4° 6'	6° 1'	3° 36°	
																			☼ before 9a. Fine day.

SOUTHAMPTON.—JULY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.											
	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.	58.9	58.6	57.9	67.5	0.8	1.2	472	454	96	93	SSE 1	SW 1.5	10	1	ins.	● till noon.
2	29.83	29.75	58.0	57.2	53.5	67.5	6.1	1.3	415	429	68	91	SW 3	SW 3	8	4	103	Beautiful day.
3	29.82	29.86	60.4	57.4	53.9	68.0	1.6	0.9	473	445	91	95	SW 2	SW 1	10	2	235	● 2 showers.
4	29.95	29.98	62.9	58.9	48.7	70.8	3.5	1.4	456	453	79	92	W 2	SW 1	9	8	050	Beautiful a.
5	29.93	29.81	57.9	58.6	52.9	60.1	2.9	0.2	394	486	82	98	S 3.5	SW 3	10	10	306	● 7a.—9a. and 11a.—4p.
6	29.71	29.66	59.0	56.7	56.6	67.7	0.1	2.6	497	384	99	84	SW 3.5	SW 3	10	2	003	Beautiful day from 10a.
7	29.64	29.64	60.7	56.8	52.0	64.2	4.2	1.7	401	411	76	89	WSW 4	WSW 4	10	10	112	Beautiful a. Frequent ● showers [from 9a.
8	29.80	29.80	62.7	57.0	53.5	69.0	4.1	1.4	435	422	76	91	NW 3	NW 2	8	10	013	
9	29.96	29.96	63.3	58.9	49.9	69.9	4.5	1.3	434	456	74	92	NNE 2.5	Calm	7	5	—	Beautiful day. ☁.
10	29.97	29.97	62.1	58.0	53.0	69.6	3.5	1.0	443	451	79	93	SW 1.5	SW 0.5	9	7	—	☁ a. and p. Beautiful day.
11	29.99	29.95	64.9	60.7	50.5	76.5	4.8	3.6	451	417	74	79	NW 1	NW 2	7	10	—	Beautifully fine and warm.
12	29.97	29.97	65.0	61.9	50.1	76.3	5.4	4.5	435	412	71	74	NNE 1	N 1	6	0	—	☁ a. and p. Beautifully fine and Beautifully fine and warm. [warm.
13	29.99	29.99	69.5	63.0	53.1	74.6	6.5	3.2	481	468	66	81	SE 1.5	NE 1.5	7	10	—	Beautifully fine and warm.
14	29.99	29.99	69.0	60.9	53.6	74.3	8.5	4.2	416	404	58	76	E 3	NE 1	0	10	—	Very warm and close.
15	29.99	29.97	63.5	63.6	52.2	75.9	5.0	2.8	423	492	72	84	NE 1.5	SW 0.5	7	1	—	Very warm all day. ☁ n.
16	29.98	29.98	70.2	62.9	54.3	76.0	6.4	3.1	499	469	68	82	SW 1	SW 1	0	3	—	Very warm all day.
17	29.98	29.98	68.3	61.1	52.4	74.3	4.5	2.4	522	460	75	85	S 1.5	SW 1.5	10	10	004	● shower early a.
18	29.94	29.94	66.5	59.5	59.1	69.5	5.0	1.7	474	454	73	90	SW 2	SW 1.5	9	10	013	● 2 showers a. Beautiful, with p.
19	29.94	29.94	63.6	59.4	54.9	69.3	3.6	2.0	466	443	79	88	SW 4	SW 3	10	1	013	Beautiful day till 4p., then ●.
20	29.95	29.95	65.0	59.9	52.8	67.6	5.2	0.5	441	499	72	97	SW 3	SW 3	8	10	080	
21	29.94	29.85	61.7	60.1	59.1	68.5	1.2	1.3	509	478	93	92	SW 2	SW 2	10	10	—	
22	29.83	29.83	63.0	57.7	55.9	69.9	5.5	2.2	401	412	70	86	W 2.5	W 2	10	4	037	
23	29.90	29.97	60.5	58.4	53.2	65.4	3.8	2.8	409	405	78	83	WNW 2	NW 1.5	10	1	—	Beautiful day.
24	29.93	29.93	67.0	61.0	50.1	70.3	6.4	2.2	441	464	66	87	NW 3	NW 1	9	4	—	Beautifully fine and warm.
25	29.99	29.99	65.9	61.7	59.2	74.1	4.4	2.7	481	460	76	84	NW 2.5	W 1	10	1	—	Very warm all day. ☁ 10p.
26	29.93	29.82	69.7	62.4	51.3	75.7	7.9	2.6	443	476	61	85	E 1	SE 0.5	1	1	512	☁ 2 a.—7a. ● 2 till 1p. T ☁
27	29.57	29.57	57.3	57.7	56.1	67.3	0.4	1.0	458	447	97	94	NE 3	NW 1	10	8	227	Beautiful day.
28	29.79	29.78	59.1	53.2	52.9	65.2	5.1	2.6	353	335	70	83	NW 1.5	WSW 1	10	0	010	☁ a. and p.
29	29.67	29.67	58.5	55.2	47.8	60.6	3.2	0.5	394	422	80	97	SW 3.5	NW 1	10	10	325	☁ a. and p.
30	29.57	29.68	62.1	54.1	48.8	65.6	4.8	1.5	406	376	73	89	NW 2.5	NW 2	7	9	342	Frequent ● showers from 10a. T 3p.
31	29.80	29.90	56.0	57.4	51.6	65.3	1.7	1.4	399	429	89	91	N 4	NNW 1	10	10	026	Dull and cold a. ● showers.
Mean	29.876	29.883	63.2	59.0	53.3	69.6	4.2	2.0	443	439	76.8	87.9	2.4	1.6	8.1	5.9	2.451	

BABBACOMBE.—JULY 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

1	29.42	29.54	55.7	55.7	54.2	63.2	0.1	1.4	441	403	99	91	SE 2	WSW 3	10	2	1180	Dull, with ☁ 2 a. ☁ p.
2	29.57	29.58	59.2	54.3	52.0	64.6	3.8	1.0	388	393	77	93	SW 4	SW 3	8	2	020	☁ n. and p. ● showers a. and p.
3	29.58	29.65	62.5	52.7	51.4	65.3	4.0	0.9	434	373	77	94	WSW 2	WSW 1	7	0	020	☁ 2 p. ☁ p.
4	29.73	29.75	63.8	54.0	49.1	67.6	5.9	1.9	403	364	68	87	WNW 3	SW 3	2	6	100	☁ n. and p. Clear 8a.—6p.
5	29.60	29.59	58.0	52.0	51.4	61.4	6.1	0.2	428	475	99	99	SSW 4	SW 3	10	10	230	Scotch ☁ 9.
6	29.46	29.47	60.3	54.6	54.6	65.7	0.7	2.0	500	370	96	87	WSW 5	W 5	10	7	020	☁ showers. Squally p.
7	29.44	29.50	60.6	56.1	52.2	63.4	5.0	2.7	355	373	68	82	W 5	W 4	9	9	010	Squally a. ☁ showers.
8	29.56	29.56	56.4	52.7	52.6	61.4	2.6	1.8	379	349	84	87	WNW 3	NW 2	9	6	—	
9	29.75	29.82	59.8	57.3	50.3	69.0	4.0	2.5	393	396	76	84	ENE 2	WNW 2	9	0	—	☁ n. and p. ☁ a.
10	29.85	29.81	61.7	54.3	51.6	67.6	3.8	2.1	427	362	79	85	NW 1	NW 3	6	1	—	☁ n. and p. ☁ till 7p.
11	29.78	29.76	63.8	54.5	49.9	67.9	6.2	3.4	394	333	66	78	NW 2	NNW 1	6	0	—	☁ p.
12	29.77	29.82	62.0	55.6	48.2	66.7	5.6	3.0	382	358	69	81	ENE 1	NNW 2	8	3	—	☁ n. and p.
13	29.88	29.92	67.1	61.8	51.3	71.1	7.3	3.2	416	446	63	81	N 2	NNE 2	1	4	—	☁ n.
14	29.95	29.85	65.3	59.8	55.7	70.9	7.3	2.8	388	425	62	83	NE 2	NNE 1	0	1	—	Fine day. ☁ p.
15	29.78	29.65	61.0	58.0	55.2	67.8	4.2	3.0	406	393	76	81	ENE 2	NE 1	4	0	—	☁ n. and p. Fine day.
16	29.55	29.52	64.3	58.8	50.2	68.6	3.0	1.0	496	464	83	94	NE 1	NE 1	3	3	—	☁ n. and p. ☁ noon—4p.
17	29.53	29.61	66.0	60.3	55.0	69.6	5.2	0.5	459	507	72	97	SW 4	SSW 3	6	10	110	☁ (mist) a. ☁ from 9p.
18	29.66	29.70	66.3	56.8	56.8	68.3	5.5	2.0	456	403	70	87	WSW 3	SW 3	6	3	070	☁ showers. ☁ p.
19	29.70	29.81	63.8	55.8	54.2	66.0	3.5	1.0	472	416	80	93	WSW 5	SW 2	8	2	010	☁ a. ● showers. ☁ (mist) p.
20	29.76	29.73	59.3	59.8	53.2	60.1	2.5	0.3	427	503	85	98	SSW 4	SW 2	8	10	350	
21	29.70	29.65	62.3	58.5	57.5	67.8	2.0	2.4	492	418	88	85	SW 3	WSW 2	7	9	—	☁ p.
22	29.62	29.70	62.6	55.3	52.2	66.8	5.6	1.5	393	394	99	90	WSW 3	WSW 2	3	3	—	☁ n. and p.
23	29.74	29.80	63.8	55.6	51.4	66.8	7.5	3.2	362	353	61	79	NW 3	WNW 1	2	7	—	☁ n. and p.
24	29.83	29.86	61.1	61.3	51.2	66.6	4.2	2.0	407	475	76	88	W 2	WNW 2	10	8	—	Clear p.
25	29.80	29.88	66.6	58.3	55.7	73.7	5.8	2.5	453	419	69	84	NW 2	NW 2	4	0	—	Fine and clear. ☁ p.
26	29.79	29.58	63.3	57.3	51.5	65.1	4.3	1.0	439	439	75	93	ENE 1	ENE 1	0	3	420	☁ n. and p. Fine day. ☁ 10p.
27	29.43	29.56	59.4	57.3	55.8	69.9	0.6	2.5	487	396	97	84	NW 2	NW 2	4	2	—	☁ p.
28	29.59	29.60	58.3	51.5	51.3	65.6	3.5	1.7	382	336	78	90	NW 2	WNW 2	9	5	080	☁ showers in afternoon. ☁ p.
29	29.46	29.41	58.3	50.8	49.6	60.6	2.5	1.5	410	331	84	89	WSW 4	WNW 2	4	5	030	☁ 10a. ● showers in afternoon.
30	29.42	29.52	60.1	55.3	50.7	63.6	4.3	2.5	388	366	75	84	NW 3	NW 3	6	2	—	☁ p.
31	29.63	29.69	62.1	54.8	53.2	69.5	3.6	1.8	439	378	79	88	NW 3	NW 3	6	2	—	
Mean	29.658	29.676	61.7	56.4	52.6	66.5	4.0	1.9	422	400	77.4	87.6	2.7	2.2	6.0	4.1	3.250	

LONDONDERRY.—JULY 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	61.7	55.7	51.0	68.3	7.0	1.0	in.	343	415	63	93	SW	2	S	2	10	10	ins.	● 2 showers during day.
2	29.57	29.55	59.7	54.7	51.2	61.3	4.0	1.5	391	385	77	90	S	1	W	3	10	7	6.60	● showers during day.	
3	.46	.57	61.7	56.4	50.8	65.1	7.0	2.8	343	375	63	83	NW	3	N	1	5	8	.050		
4	.67	.83	57.7	53.7	50.7	63.3	6.0	3.0	314	331	66	80	NW	2	E	1	7	10	—		
5	.89	.85	59.6	57.2	51.0	59.8	4.9	1.3	366	428	72	91	ESE	2	SW	2	10	10	.020	● 0 in evening.	
6	.67	.53	58.7	52.1	48.0	61.8	5.3	2.0	344	337	70	86	E	2	NW	4	10	10	.350	● showers during day.	
7	.41	.37	58.9	53.2	48.8	60.2	6.1	0.6	327	388	66	96	NW	3	NW	4	7	10	.520	● 0 from noon.	
8	.46	29.63	58.9	53.2	48.8	60.2	2.6	2.8	329	312	83	81	NW	4	NW	4	10	10	—		
9	29.84	30.02	52.7	51.7	50.6	56.2	5.7	2.5	328	358	68	84	N	1	N	1	10	10	—		
10	30.09	.14	58.2	54.7	49.0	61.5	3.9	2.1	350	361	76	86	NW	3	NW	2	10	10	—		
11	30.10	30.03	56.7	54.2	52.1	59.3	3.7	1.0	375	399	78	93	W	2	SW	2	10	10	.010	● 0 in evening.	
12	29.94	29.88	58.0	54.7	51.2	60.8	3.2	2.2	413	411	81	86	SW	2	SW	1	10	10	.110	● in evening.	
13	29.86	29.95	59.7	57.9	53.0	65.6	6.7	2.2	395	411	64	86	N	1	E	1	8	0	—	Fine and clear.	
14	30.12	30.21	64.7	57.7	54.2	72.0	8.4	2.2	373	398	58	86	N	1	N	1	1	0	—	Fine and clear.	
15	.29	30.20	66.2	56.9	45.8	75.0	7.6	2.2	434	398	62	86	NE	1	E	1	1	0	—	Fine and warm.	
16	30.11	29.96	68.6	56.9	51.0	74.0	5.7	1.0	456	463	70	94	NW	1	Calm	0	7	10	.120	● during day.	
17	29.77	.70	66.7	58.7	51.8	69.2	1.5	1.5	452	487	91	91	SW	1	SW	1	10	10	.270	● showers during evening.	
18	.67	.65	59.0	61.0	53.4	76.0	5.6	3.0	438	373	71	81	SW	3	SW	2	7	1	.080	T ● showers.	
19	.62	.70	65.5	50.7	55.0	68.6	2.1	1.0	429	446	88	93	WSW	2	WSW	2	7	10	.190	● showers.	
20	.68	.76	58.7	51.7	51.6	66.6	1.0	2.6	451	425	93	84	SSW	2	W	1	10	7	.140	● showers a.	
21	.74	.80	58.0	59.3	54.8	67.6	4.0	1.2	406	412	77	92	SW	2	SW	2	8	9	.120	● during day.	
22	.75	.68	60.7	55.9	55.0	66.6	6.3	3.0	354	375	66	81	NE	1	NW	1	4	6	—	Fine day.	
23	.78	.94	61.2	56.8	51.8	64.2	4.2	2.3	376	413	76	85	N	1	W	3	9	10	.010		
24	.98	29.95	59.1	58.0	53.9	62.3	6.4	2.1	358	384	66	87	SW	3	WNW	2	5	10	—		
25	29.93	30.02	61.7	55.7	54.0	64.6	5.3	1.4	355	441	70	90	NW	2	W	1	10	10	.010	● 9p.	
26	30.06	30.08	59.4	54.8	54.8	60.0	2.9	2.0	442	453	83	88	SW	2	W	2	10	10	.060		
27	29.99	29.81	61.0	60.0	55.7	64.7	9.3	2.0	268	332	52	86	NE	3	N	2	5	10	.030	● showers in evening.	
28	.75	.80	50.6	51.7	50.8	61.0	4.0	1.7	295	326	75	88	N	2	NW	1	10	10	.290		
29	.69	.69	52.7	50.7	50.0	59.5	3.3	2.0	331	344	78	86	NW	2	N	4	9	10	.020	● showers during day.	
30	.62	.69	53.5	52.7	48.4	58.0	5.5	2.0	358	358	78	86	NE	2	N	3	10	10	—		
31	.79	.93	56.5	53.8	51.6	64.6	5.0	2.2	311	395	70	86	N	2	W	3	10	10	.010		
	29.92	29.92	55.6	56.7	50.0	63.4															
Mean	29.818	29.832	59.7	55.8	51.6	64.7	4.9	1.9	.371	.391	72.6	87.3	2.0		1.9	8.1	8.3	3.100			

MARKREE CASTLE (SLIGO).—JULY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	56.6	53.0	47.2	63.1	4.6	1.2	in.	in.	9/10	9/10	SSW 1	Calm 0	10	6	ins.	
2	35	58	54.7	52.1	50.3	59.3	1.6	2.3	332	339	90	84	Calm 0	N 2	10	9	120	
3	63	79	59.0	54.4	47.3	62.2	4.1	2.2	377	362	76	85	W 0.5	W 1	6	6	090	
4	87	75	56.0	54.8	48.3	61.2	3.0	2.8	365	351	81	82	Calm 0	Calm 0	9	9	100	
5	54	52	57.0	54.8	51.8	61.8	2.9	2.8	380	351	82	82	ESE 3	SSW 1	10	9	—	
6	29	41	48.9	51.1	41.2	58.7	1.8	1.2	302	345	88	91	SSW 2	WSW 1	9	9	120	
7	45	64	55.3	51.5	45.2	58.2	2.4	0.7	369	362	84	95	NW 3	NW 5	9	10	200	
8	29.82	29.97	53.0	52.6	50.8	55.0	3.0	3.5	322	306	80	77	NW 4	NNW 2	10	10	280	
9	30.04	30.10	55.1	53.2	50.0	59.5	4.1	2.3	324	343	74	84	N 2	NNW 0.5	10	6	—	
10	30.06	30.00	55.0	52.7	51.3	58.9	2.8	0.9	354	373	82	94	NNW 2	Calm 0	10	10	—	
11	29.90	29.82	56.1	54.1	50.8	58.9	2.6	1.6	377	373	83	89	SSW 1	SE 0.5	9	10	Overcast all day.	
12	29.81	29.90	60.8	58.3	52.5	63.3	3.9	2.1	410	423	78	86	S 1	SE 1	10	10	010	
13	30.06	30.18	61.8	54.0	48.9	67.0	4.8	1.6	401	371	73	89	Calm 0	Calm 0	7	3	Overcast all day.	
14	20	30.11	64.9	57.7	49.0	72.7	6.2	2.7	412	397	67	83	ESE 1	Calm 0	4	2	—	
15	30.02	29.86	65.9	59.1	45.5	72.1	5.7	3.1	441	406	69	81	SE 1	N 0.5	2	3	∞ 9 p.	
16	29.72	63	63.5	56.0	45.6	68.0	4.8	1.2	428	413	73	92	WSW 1	NNE 1	5	6	∞ a. and p.	
17	61	56	62.0	61.9	53.3	72.3	4.3	2.9	419	457	76	83	ENE 1	ENE 1	0	9	—	
18	56	59	61.8	54.8	52.1	65.1	4.9	2.6	398	357	73	83	S 3	S 3	7	4	T in evening.	
19	64	73	58.9	56.1	47.7	66.0	3.7	2.1	387	390	77	86	Calm 0	SSW 1	10	10	360	
20	71	76	60.6	59.2	53.8	68.7	2.9	2.1	436	436	83	88	SSW 2	Calm 0	10	9	☀ ☀ ☀ in afternoon.	
21	71	65	62.0	52.7	51.8	66.2	5.1	0.8	396	375	72	94	SSW 0.5	SW 0.5	8	10	—	
22	77	91	58.8	56.4	51.9	61.7	4.4	2.4	397	385	74	85	NW 3	NNW 2	7	9	—	
23	95	29.93	57.1	57.8	52.6	62.3	4.5	2.8	340	395	73	82	NW 1	WSW 1	9	10	—	
24	29.93	30.00	60.0	54.8	54.1	64.1	3.9	1.9	398	376	77	88	WSW 2	WSW 2	8	4	—	
25	30.05	30.05	56.7	57.8	50.8	62.1	2.7	1.9	381	421	83	87	WSW 1	WSW 0.5	10	10	—	
26	29.95	29.78	61.2	59.0	54.9	65.5	3.1	1.6	440	448	82	90	SSW 0.5	Calm 0	10	10	—	
27	71	78	57.4	52.8	52.1	60.0	4.7	4.3	340	291	72	73	N 1	NNE 1	8	9	070	
28	78	66	56.0	51.6	49.4	58.2	5.8	1.2	299	350	68	92	N 2	NW 0.5	8	10	040	
29	88	68	54.7	52.2	50.7	58.7	3.7	2.0	328	337	76	86	NW 1	NNW 2	9	10	230	
30	76	88	53.2	53.1	50.6	58.6	1.1	2.1	374	346	93	85	N 1	N 2	10	10	—	
31	29.92	29.88	54.7	56.0	50.2	59.1	4.0	2.1	321	388	75	86	N 1	Calm 0	10	10	080	
Mean	29.771	29.793	58.0	55.0	50.1	62.9	3.8	2.1	374	375	77.5	86.3	1.4	1.0	8.2	8.1	2.440	Overcast all day.

DUBLIN (PHENIX PARK).—JULY 1891.

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.

1	29.51	29.50	61.5	55.8	51.6	65.4	5.0	3.1	39.1	36.0	72	80	Calm	0	Calm	0	230	Cloudy day. 2 showers p.
2	46	58	60.0	52.8	50.6	62.8	5.2	3.1	36.4	31.9	70	79	SW	3	WSW	1	206	Bright a. Cloudy p.
3	63	72	53.6	55.3	47.6	63.9	1.6	2.1	36.6	37.8	89	85	SW	1	Calm	0	150	Cloudy, with 2 showers. T noon.
4	84	78	59.5	55.8	47.5	64.7	5.3	2.8	35.4	36.7	69	82	WSW	1	S	1	015	Bright a. Cloudy p.
5	56	54	54.0	58.2	52.9	65.5	1.2	3.8	38.2	37.4	92	77	E	1	WSW	1	170	Cloudy, with 2 showers.
6	43	35	59.3	51.7	50.8	62.2	4.7	3.1	36.7	30.5	72	80	SW	1	W	2	200	Cloudy, with 2 showers.
7	42	52	50.2	52.4	47.6	63.8	3.3	1.7	36.0	34.8	79	89	W	1	W	2	100	Cloudy day.
8	71	29.87	53.4	51.9	51.1	55.8	2.9	2.3	33.0	32.6	81	85	NW	2	NW	1	100	Dull, with 0 showers.
9	29.98	30.03	55.0	52.8	48.1	61.9	4.4	2.3	31.6	33.8	73	85	N	1	Calm	0	1005	—
10	30.04	29.98	57.0	56.1	47.6	60.8	4.6	2.9	33.7	36.9	72	81	Calm	0	Calm	0	1005	Cloudy, with 0.
11	29.92	29.85	53.9	54.6	51.7	58.0	2.4	2.0	34.9	37.0	85	87	Calm	0	Calm	0	1005	—
12	29.85	29.92	59.4	58.0	51.6	63.7	5.7	3.1	34.3	39.0	68	81	SSW	1	Calm	0	—	—
13	30.06	30.15	64.4	56.3	54.8	69.1	5.6	2.5	42.0	38.2	69	84	W	1	Calm	0	7	—
14	19	30.10	62.5	54.1	47.2	67.6	6.2	2.8	37.4	34.1	67	81	E	1	Calm	0	1	—
15	30.01	29.86	62.1	52.6	49.1	65.5	5.4	2.6	39.0	32.7	71	82	ENE	1	Calm	0	2	—
16	29.71	60	60.3	56.4	46.8	72.8	3.8	2.7	40.5	37.7	78	83	Calm	0	Calm	0	6	—
17	60	60	68.7	57.1	46.3	70.9	6.3	2.1	47.3	40.1	67	86	Calm	0	Calm	0	4	1040
18	64	67	61.2	55.6	53.9	67.0	6.3	3.3	35.4	35.2	66	79	SSW	3	Calm	0	4	1010
19	65	77	61.5	56.3	53.9	66.8	5.0	2.0	39.1	39.5	72	87	W	1	SW	1	4	1060
20	74	75	61.9	61.8	53.0	71.8	3.8	2.1	43.1	48.2	78	87	SSW	1	Calm	0	9	275
21	74	66	58.6	54.8	53.5	67.0	2.2	2.8	42.5	35.1	86	82	Calm	0	WSW	1	9	1030
22	69	83	57.4	55.2	49.8	64.7	3.2	3.1	37.9	35.0	80	81	WNW	2	W	1	6	1040
23	92	93	56.8	57.9	51.1	63.8	4.0	2.7	35.0	40.0	76	83	W	1	Calm	0	8	1015
24	29.91	29.96	61.0	57.7	54.7	69.6	3.3	4.1	43.0	36.1	81	76	W	1	Calm	0	2	—
25	30.03	30.02	61.2	56.8	49.9	67.2	5.8	2.7	36.6	38.3	68	83	WNW	1	Calm	0	4	1005
26	29.96	29.77	59.7	60.9	47.8	66.9	3.3	3.4	41.1	42.6	80	80	Calm	0	Calm	0	9	1010
27	65	72	55.2	52.8	52.5	63.3	2.2	3.6	37.3	30.6	86	76	NNW	1	Calm	0	9	—
28	75	67	54.8	51.9	46.0	60.7	5.0	1.9	30.0	33.6	70	87	WNW	1	W	1	7	1140
29	48	59	54.3	52.4	49.8	60.0	2.7	2.7	34.7	32.4	82	82	N	2	W	1	8	—
30	66	77	57.0	53.9	51.6	64.8	3.9	2.5	35.4	34.6	76	84	NNW	1	Calm	0	4	—
31	29.88	29.86	52.8	56.2	47.7	63.3	2.6	3.7	33.0	35.0	82	77	NW	1	Calm	0	9	—
Mean	29.762	29.772	58.5	55.4	50.3	64.9	4.1	2.8	37.3	36.2	76.0	82.3	1.0	0.4	6.6	5.7	1.760	Beautiful day.

PARSONSTOWN (BIRCH CASTLE).—JULY 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.								Per-centage.				
	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.						
1	ins.	ins.	59.1	53.5	51.4	61.7	2.8	2.4	415	344	83	84	Calm	0	Calm	0	ins.	Dull and gloomy, with ☉.			
2	39	57	54.5	52.9	50.0	61.7	1.6	1.0	379	372	89	93	SW	1	Calm	0	9	8	160	Dull, with ☉ showers.	
3	62	73	56.7	54.7	47.8	61.9	1.4	0.6	418	411	91	96	Calm	0	Calm	0	10	10	536	Dull, with ☉ showers.	
4	82	73	58.3	54.1	47.8	64.9	4.3	1.1	363	387	75	92	Calm	0	Calm	0	9	9	—	Fine and bright.	
5	47	53	57.7	56.9	51.8	65.7	2.9	2.1	391	400	82	87	SE	1	Calm	0	10	10	—	Dull and warm.	
6	38	42	58.7	50.7	50.0	61.3	5.5	1.7	339	326	68	88	SW	1	SW	1	8	10	210	Cloudy, with ☉ showers.	
7	43	62	54.7	52.7	47.8	62.7	0.9	1.8	402	349	94	87	SW	1	W	2	10	10	126	☉ showers.	
8	77	29.89	55.7	52.7	50.1	57.7	3.1	3.6	358	305	81	77	W	2	NW	1	10	10	—	Dull and cool.	
9	29.99	30.03	54.9	56.1	48.9	62.1	3.9	2.3	326	385	76	85	NW	1	Calm	0	10	10	—	Dull and warm.	
10	30.03	29.97	54.9	54.7	50.9	59.7	2.0	1.5	373	385	87	90	Calm	0	Calm	0	10	10	—	Dull and warm.	
11	29.90	82	55.7	55.7	50.9	59.7	2.8	2.5	366	373	82	84	Calm	0	Calm	0	10	10	—	Dull and warm.	
12	29.82	29.89	58.9	58.7	51.7	64.1	3.6	2.0	389	432	79	88	Calm	0	Calm	0	10	10	022	Dull and warm.	
13	30.02	30.11	58.7	59.7	52.9	69.9	1.5	1.7	447	457	91	90	Calm	0	Calm	0	10	3	—	Dull and warm.	
14	30.14	30.05	62.1	55.7	47.8	71.5	3.4	2.0	446	387	81	87	Calm	0	Calm	0	8	0	—	☉ before 9 a. Day fine, bright, and [warm.	
15	29.98	29.83	63.9	59.1	48.6	71.3	4.7	9.0	438	268	75	53	Calm	0	Calm	0	0	4	—	Fine, bright, and warm.	
16	74	58	64.1	65.1	45.8	73.4	6.3	3.5	396	407	66	81	Calm	0	Calm	0	3	3	—	Fine, bright, and warm.	
17	58	58	65.5	65.5	48.9	9.1	4.4	4.5	474	471	77	76	Calm	0	Calm	0	0	10	066	Fine, bright, and warm.	
18	59	58	60.9	55.7	55.0	66.0	6.2	1.9	352	389	66	88	SW	1	E	1	4	10	110	Cloudy and warm, with ☉ showers.	
19	65	76	58.7	56.5	51.9	62.5	1.7	2.0	441	395	99	87	Calm	0	Calm	0	10	10	222	Dull and gloomy, with ☉.	
20	71	74	60.0	60.7	51.3	69.9	1.2	3.0	479	434	93	83	Calm	0	Calm	0	10	10	030	Dull and gloomy.	
21	71	67	60.9	52.7	52.7	62.7	3.1	0.9	434	373	82	94	Calm	0	Calm	0	10	6	200	Dull and gloomy, with ☉.	
22	74	86	57.7	56.7	48.8	63.9	2.9	2.4	391	389	82	85	NW	1	NW	1	10	10	010	Dull and gloomy, with ☉.	
23	94	93	55.9	58.1	49.9	54.7	3.0	1.4	364	441	81	91	Calm	0	SW	1	10	10	030	Dull and gloomy.	
24	29.92	29.98	62.7	59.5	55.5	63.9	2.8	1.5	475	463	84	83	SW	1	Calm	0	10	10	—	Dull, gloomy, and warm.	
25	30.03	30.02	59.7	59.7	54.9	66.7	3.6	2.5	402	433	79	95	Calm	0	Calm	0	10	10	—	Gloomy a.	
26	29.93	29.76	58.9	59.1	55.6	65.1	2.2	1.9	429	441	87	89	Calm	0	Calm	0	10	10	—	Dull, gloomy, and close.	
27	66	74	59.7	52.7	52.2	63.9	3.3	2.8	410	324	80	81	Calm	0	Calm	0	10	10	030	Warm and bright.	
28	77	68	52.7	53.7	48.2	58.7	1.5	2.5	356	343	89	83	Calm	0	Calm	0	10	10	026	☉ a. Dull and gloomy.	
29	51	64	54.7	53.5	51.7	60.9	1.6	2.7	382	336	90	82	NW	1	NW	1	10	10	—	Dull day.	
30	64	82	54.9	53.5	49.9	63.5	2.2	1.8	368	359	86	88	NW	1	Calm	0	10	4	016	☉ showers a. Dull day.	
31	29.90	29.87	51.7	56.7	49.6	62.1	1.8	2.5	337	387	87	84	Calm	0	Calm	0	10	10	—	Dull and close.	
Mean	29.750	29.770	58.2	56.3	50.7	64.4	3.0	2.5	398	388	82.4	85.5	0.4	0.3	8.7	8.4	2.144				

DUNROBIN CASTLE.—AUGUST 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.	9 p.m.
1	ins.	ins.	57.0	57.4	50.1	63.4	2.0	2.9	in.	in.	%	%	SE	W	—	ins.
2	29.83	29.71	57.0	57.4	50.1	63.4	2.0	2.9	.405	.387	87	82	SE	W	—	0.040 Fine day.
3	.60	.59	54.0	53.3	48.4	59.6	3.3	3.0	.327	.326	78	80	S	W	—	0.060 Fine and mild. ● showers p.
4	.55	.64	56.0	54.3	46.8	58.9	2.7	1.6	.373	.377	83	89	SE	N	—	0.080 Fine, breezy, and warm.
5	.71	.84	57.5	54.5	53.6	62.6	1.2	1.8	.436	.374	92	88	NE	NE	—	— Fine p.
6	.98	.97	58.2	55.5	48.4	59.2	4.2	1.5	.364	.397	75	90	N	SE	—	— Dull a. Fine p.
7	.95	.88	58.4	54.7	53.1	62.2	2.1	1.7	.424	.379	87	89	NW	NW	—	1.150 Fine and breezy.
8	.78	.90	55.0	52.7	52.6	62.4	3.5	2.2	.337	.339	78	86	W	W	—	.290 Fine and breezy.
9	.77	.68	54.0	50.9	50.6	65.3	2.3	2.4	.352	.440	84	86	W	W	—	0.040 Dull, with a. Fine p.
10	.64	.75	58.9	54.7	54.1	65.6	2.6	1.4	.417	.388	84	91	W	NE	—	0.030 Fine day. ● showers p.
11	.79	.82	55.5	54.0	45.6	62.9	4.8	3.5	.314	.322	71	77	W	W	—	0.050 Cool p.
12	.69	.57	54.5	53.7	50.6	62.2	3.0	2.0	.342	.357	80	87	SW	W	—	.240 Dull a. ● showers.
13	.39	.53	55.5	53.5	53.1	61.2	1.5	3.0	.397	.329	90	80	SW	NW	—	.320 Dull a. ● showers.
14	.69	.85	58.4	55.5	49.6	59.4	4.4	1.5	.362	.397	74	90	NW	NW	—	0.020 Fine and breezy p.
15	.79	.69	55.0	56.5	50.6	56.5	1.0	1.5	.403	.412	93	90	E	SW	—	.130 Dull day.
16	.62	.83	58.2	53.3	53.3	59.9	2.7	2.6	.404	.336	83	82	SW	NE	—	— Dull day.
17	.90	.93	54.0	55.5	49.6	58.4	3.5	3.0	.322	.357	77	81	NE	E	—	— Fine day.
18	.86	.68	56.7	54.5	48.8	56.7	2.7	1.5	.381	.381	83	90	E	E	—	.370 Dull, with cold wind.
19	.58	.58	57.4	54.5	48.1	57.4	1.9	1.2	.415	.390	88	92	NE	E	—	.340 Dull day.
20	.52	.62	55.5	55.3	53.4	59.4	1.0	1.8	.412	.386	94	88	NE	E	—	— Dull day.
21	.62	.59	56.5	55.0	54.1	57.6	2.5	1.5	.384	.389	84	90	E	NE	—	— Bright and breezy.
22	.58	.72	55.0	56.0	54.4	59.9	1.5	1.3	.389	.411	90	91	E	NE	—	— Dull and cold.
23	.76	.83	59.4	54.0	52.6	60.9	1.1	1.5	.471	.374	94	90	E	NE	—	— Dull day.
24	.82	.73	53.5	50.5	48.6	55.3	1.8	1.8	.359	.322	88	88	NE	NE	—	0.030 Dull a. Fine p.
25	.60	29.39	53.7	50.7	46.8	56.7	1.4	1.2	.373	.424	90	93	NE	NW	—	.200 Dull a. ● p.
26	29.18	28.93	56.7	56.0	50.4	61.9	1.2	1.3	.424	.411	93	91	NE	NE	—	—
27	28.73	29.20	56.7	54.5	52.6	57.4	1.4	3.2	.418	.337	91	79	E	SW	—	.350
28	29.30	.24	58.4	54.7	45.4	61.9	3.4	2.2	.388	.366	79	86	SW	SW	—	.210 Fine day.
29	.28	.54	56.7	52.5	49.6	59.6	1.7	1.8	.409	.346	89	88	SW	SW	—	— Fine day.
30	.91	.91	54.0	50.7	46.4	60.9	4.5	2.7	.299	.302	72	82	NW	W	—	.740
31	.94	29.68	50.7	55.0	38.8	55.3	2.4	3.3	.310	.342	84	79	SE	SE	—	— Dull and cold.
Mean	29.43	28.96	55.0	54.5	53.6	57.4	4.5	1.0	.314	.396	73	94	E	E	—	— Dull day.
Mean	29.634	29.641	56.0	54.6	50.1	59.9	2.5	2.0	.378	.371	84.1	86.7	—	—	—	3.850 Dull, cold, and blowy.

BRAEMAR.—AUGUST 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day. 17 0 N. Gravity Correction, +.030.																				
	28°55	28°58	56°5	52°5	47°2	62°7	6°8	1°8	.283	.346	62	88	SW	1	NW	1	7	2	—	Fine day.
2	48	45	50°5	51°5	48°0	62°0	6°3	4°0	.293	.283	64	74	SW	2	SW	0°5	8	8	.040	Fine a. ● showers p.
3	37	40	51°1	49°8	36°0	53°8	1°8	1°1	.330	.330	87	92	SE	0°5	NE	0°5	7	10	1°210	Dull, with ●.
4	48	60	54°5	53°2	49°1	59°2	2°8	2°5	.347	.338	81	83	NE	0°5	NE	1	7	7	—	Fine day.
5	69	81	51°5	49°9	49°4	60°3	2°7	3°6	.312	.273	82	76	NE	1	NE	0°5	7	8	—	Fine day.
6	75	80	48°6	52°5	47°7	60°0	1°1	5°0	.312	.272	93	69	SW	1	SW	1	6	7	.020	Fine day.
7	68	75	53°8	56°8	49°8	65°8	1°3	2°5	.378	.388	91	84	SW	1	W	0°5	8	8	.200	Fine day.
8	68	59	56°9	57°5	54°0	64°2	1°4	3°0	.421	.386	92	81	SW	0°5	SW	0°5	8	7	.020	● ⁰ showers.
9	50	52	60°4	51°5	49°0	61°8	5°2	1°7	.370	.336	70	89	SW	0°5	NE	0°5	6	9	.720	Fair a. ● ⁰ p.
10	59	71	50°2	51°2	45°2	60°7	4°5	3°7	.257	.286	70	76	N	1	N	0°5	7	5	—	Fine day.
11	59	49	50°9	51°6	47°0	61°3	1°4	4°1	.338	.282	91	74	SW	0°5	SW	0°5	9	4	.020	Fine day.
12	27	39	52°7	51°5	48°9	59°2	3°2	4°7	.315	.267	79	71	SW	2	NW	4	8	7	.040	● ⁰ showers.
13	59	68	54°0	46°7	46°7	60°0	5°2	1°2	.284	.291	68	92	SW	2	SW	0°5	6	6	.120	—
14	65	61	49°5	56°9	42°0	60°3	0°8	2°3	.333	.395	94	86	SW	0°5	SW	0°5	10	7	.020	Damp day. ● showers.
15	50	59	54°9	51°3	50°3	60°2	3°7	1°2	.331	.347	76	92	SW	4	NW	0°5	7	8	—	Dull day.
16	73	80	49°7	49°8	46°7	59°3	2°2	2°3	.302	.300	85	85	NE	0°5	S	0°5	7	8	.010	Dull, with ● ⁰ showers.
17	66	48	51°3	53°9	45°0	58°6	2°0	2°2	.327	.354	86	86	SE	1	SE	0°5	8	9	.310	Dull and damp.
18	44	43	54°8	54°5	52°7	58°0	0°3	1°0	.424	.396	98	94	SE	0°5	SE	0°5	10	9	.030	Dull and damp.
19	34	48	59°5	53°5	52°0	62°8	4°8	2°0	.307	.354	73	87	SE	0°5	SE	0°5	6	8	—	Fine day.
20	44	39	53°7	52°5	51°0	57°2	1°8	2°7	.362	.324	88	82	NE	0°5	NE	0°5	8	8	.450	Fine day. <
21	38	49	50°5	51°5	47°9	56°4	1°3	2°2	.333	.324	90	85	NE	0°5	NE	0°5	10	7	.350	Dull, with ●.
22	53	66	54°5	52°1	49°3	58°8	3°0	2°6	.342	.322	80	82	NE	1	NW	0°5	8	9	—	—
23	63	64	49°1	45°7	45°0	54°7	4°6	1°2	.244	.280	70	92	NE	1	NE	0°5	8	7	—	Fine day.
24	49	28°34	50°5	53°8	43°0	59°3	3°0	2°3	.293	.351	80	85	SE	0°5	SW	0°5	7	8	.480	● ⁰ showers.
25	28°05	27°88	53°5	54°7	50°0	58°2	3°0	1°2	.320	.394	80	93	SW	2	SW	0°5	8	10	.280	Fine a. ● p.
26	27°69	28°31	51°7	51°3	49°3	57°5	1°9	4°5	.334	.269	88	72	SW	6	SW	1	9	6	.120	● ⁰ showers.
27	28°16	28°10	55°5	50°1	45°7	59°4	5°0	1°4	.310	.326	70	90	SW	1	SW	0°5	6	10	.280	Fine a. ● p.
28	16	42	49°5	47°5	43°0	55°0	2°0	3°0	.304	.259	87	80	SW	1	SW	1	8	6	.020	● ⁰ showers.
29	59	78	49°5	43°5	42°7	53°0	3°8	1°3	.265	.253	74	90	NW	1	NW	0°5	7	3	.020	● ⁰ showers.
30	75	28°60	48°5	48°7	36°9	55°0	4°0	2°4	.249	.286	73	83	SW	0°5	SW	0°5	7	6	.080	● ⁰ showers.
31	28°27	27°79	49°0	54°7	45°8	56°2	1°7	2°2	.305	.366	88	86	S	0°5	SW	1	10	10	.340	Fair a. ● p.
Mean	28°473	28°501	52°7	51°7	47°0	59°1	3°0	2°5	.322	.322	81°0	83°8	1°2	0°7	7°7	7°3	5°180			

LAUDALE.—AUGUST 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				9 a.m.	9 p.m.			
1	ins.	ins.	58°0	58°0	52°0	62°9	3°0	4°0	.393	.367	81	70	WNW	1	NW	3	10	8	ins.	Dull, with (mist) a.
2	29°81	29°76	55°4	54°2	49°9	61°9	3°4	2°5	.345	.350	79	83	WNW	2	NW	3	10	9	100	Dull, with (mist).
3	50	55	59°0	59°2	52°0	60°0	1°0	3°1	.467	.408	94	82	WNW	4	WNW	2	8	7	100	● showers. (mist).
4	57	82	59°8	58°2	56°0	63°2	3°8	4°0	.397	.369	77	76	W	3	NE	2	9	5	300	● showers a. Day dry and bracing.
5	29°88	29°92	60°1	59°0	57°2	62°7	2°6	1°4	.437	.455	84	92	WNW	2	NW	3	10	7	120	● showers. (mist).
6	30°04	30°03	59°1	57°9	56°5	63°1	1°1	0°9	.466	.452	93	94	W	3	WSW	2	10	10	070	Dull day.
7	29°93	29°93	55°0	56°0	52°3	60°4	1°8	1°0	.381	.419	88	93	W	3	WNW	2	10	10	570	2 (mist).
8	80	72	60°0	55°7	53°0	61°7	1°0	1°4	.485	.408	94	91	W	3	W	4	8	10	200	● showers all day.
9	61	63	57°2	56°8	54°0	63°0	1°2	1°8	.431	.408	92	88	NW	3	WNW	2	10	9	100	Dull, with (mist) ● showers.
10	78	88	56°8	55°2	51°0	61°7	4°8	1°4	.330	.395	71	91	NNW	3	Calm	0	5	10	090	Day dry and bracing. (mist) a. p.
11	66	61	55°2	55°2	51°0	58°0	1°4	2°5	.395	.365	91	84	S	7	W	2	10	10	970	2 (mist) a. ● showers p.
12	38	56	55°0	53°6	50°0	58°0	2°0	1°9	.375	.358	87	87	W	6	NW	4	10	10	230	2 sa. ● showers a. Fine p.
13	79	88	55°2	53°9	51°0	60°0	2°8	2°0	.357	.359	82	87	NW	3	NW	1	7	8	270	● most of day.
14	74	73	56°0	56°2	50°7	60°7	1°0	1°7	.419	.402	93	89	WNW	2	W	2	10	10	140	● p.
15	69	79	58°3	54°0	51°0	59°0	4°6	1°0	.356	.388	73	93	NW	4	W	2	7	10	060	Fine and clear all day.
16	89	89	57°7	52°0	48°0	63°0	5°0	2°7	.338	.318	71	82	N	1	Calm	0	3	3	—	● all day. Very threatening appearance
17	67	46	50°7	57°7	51°3	58°3	4°0	2°0	.349	.417	75	87	SW	5	SW	4	10	10	900	Fine day. ∞ p. T 11 p. lance
18	50	44	60°5	58°3	52°5	60°5	4°2	4°6	.397	.356	76	73	SE	4	SE	3	3	2	—	T at times.
19	39	48	60°7	58°7	51°6	64°4	6°2	5°1	.350	.349	66	70	SE	4	SE	1	7	7	050	Dull and damp.
20	52	50	59°2	56°0	51°7	65°3	3°6	2°0	.394	.391	79	87	SE	1	Calm	0	9	7	020	Fine and very warm.
21	53	63	58°0	55°4	50°3	63°0	4°0	2°4	.367	.371	76	85	NE	2	Calm	0	8	7	—	Dull a. Day fine.
22	74	81	60°0	52°7	49°0	65°5	4°8	2°0	.374	.344	72	87	ENE	1	NE	1	5	6	—	in squalls, (mist) p.
23	79	74	56°0	50°0	45°0	63°7	6°0	1°7	.295	.317	65	88	NE	4	Calm	0	5	4	020	● most of day. (mist).
24	58	29°38	54°0	55°7	48°0	60°6	2°0	1°0	.360	.384	86	93	S	5	Calm	0	10	10	250	Bar. 28°70 a.m. then rose.
25	29°20	28°89	55°7	53°0	52°7	58°7	3°0	1°6	.361	.433	81	89	W	3	Calm	0	10	10	1200	Fine and warm.
26	28°96	29°26	54°7	52°7	48°0	60°0	2°0	2°8	.372	.325	87	81	NW	4	N	4	10	2	120	Cold and unseasonable.
27	29°39	23	57°0	48°0	45°3	63°2	1°8	1°3	.411	.302	88	91	Calm	0	Calm	0	4	1	110	Dull, with 0 a. Fine p.
28	32	60	52°2	52°0	46°4	56°7	2°2	2°7	.332	.318	85	82	NW	2	NW	3	8	7	300	Dull and threatening.
29	78	94	51°0	48°0	44°0	58°5	2°3	3°3	.316	.257	84	77	Calm	0	N	1	8	6	—	● 2 a. and p. Squally p.
30	89	29°64	51°2	54°7	40°5	59°5	2°5	3°7	.314	.328	83	76	S	2	S	3	10	10	190	
31	29°34	28°89	54°0	58°3	48°8	59°7	1°8	2°3	.366	.417	87	85	SW	2	SW	3	10	10	1420	
Mean	29°618	29°618	56°7	55°1	50°4	61°5	2°9	2°3	.378	.372	81°9	85°1	2°9	1°8	8°2	7°6	2°900			

GLASGOW.—AUGUST 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							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°8	50°4	49°9	67°1	2°5	1°7	388	404	84	89	SW	2	SW	2	10	4	ins.	
2	47	39	54°1	53°0	52°4	63°1	1°7	2°5	370	335	88	83	W	2	SW	1	10	6	035	
3	41	34	56°6	54°0	49°9	62°0	4°6	2°1	331	338	72	86	NE	1	N	1	8	4	034	
4	41	55	50°8	50°7	51°6	61°8	2°8	1°7	379	410	82	89	NE	2	N	2	10	10	510	
5	66	78	62°2	54°1	53°9	66°9	6°3	2°7	367	345	66	82	N	1	NE	1	3	8	300	
6	81	85	57°1	54°0	50°0	63°0	4°9	3°5	331	324	71	77	W	1	W	3	4	3	—	
7	76	78	57°8	57°4	53°1	63°2	2°4	1°4	406	428	85	91	W	4	W	2	9	10	045	
8	69	60	59°1	57°3	51°2	62°3	1°5	2°3	454	401	91	85	SW	2	SW	3	10	10	200	
9	46	45	59°9	56°2	55°9	62°6	0°5	6°4	500	286	97	63	SW	1	W	1	10	8	135	
10	60	70	58°4	53°8	53°8	65°8	3°7	4°6	379	296	78	71	NW	1	W	1	8	2	030	
11	59	49	54°9	54°9	51°8	61°1	1°5	4°0	386	324	90	75	SW	3	SW	2	10	6	140	
12	29	44	53°6	53°7	52°9	59°6	1°1	1°9	379	361	92	87	SW	3	W	3	10	8	150	
13	65	69	55°9	54°5	51°8	61°3	4°4	2°6	327	353	74	82	NW	2	SW	1	9	10	242	
14	61	62	55°9	56°1	53°7	62°1	0°5	1°9	433	394	97	88	NE	1	W	2	10	6	080	
15	54	60	56°9	55°0	52°2	60°1	4°0	2°0	352	375	76	87	W	2	SW	2	10	8	090	
16	73	74	59°0	52°3	52°2	64°7	3°3	2°4	367	329	79	84	W	1	E	1	7	3	030	
17	59	34	55°2	57°9	47°9	59°2	3°4	3°0	342	393	79	82	E	2	E	2	10	10	383	
18	36	30	60°5	58°1	53°8	68°5	4°1	3°9	401	370	76	77	SE	1	E	1	4	3	—	
19	26	34	60°1	57°7	52°7	65°7	6°5	4°5	334	340	64	73	SE	2	E	2	9	10	038	
20	37	33	57°7	53°8	53°4	61°2	2°4	1°1	404	382	85	92	E	1	E	1	4	10	250	
21	32	43	53°8	53°0	51°8	62°8	2°0	1°9	360	351	87	87	NE	1	N	1	10	8	254	
22	51	60	58°1	54°9	52°7	64°1	5°0	1°8	343	378	71	89	N	2	W	1	9	3	—	
23	60	57	55°8	52°8	49°3	62°1	6°1	2°5	288	333	65	83	NE	1	SW	1	9	7	—	
24	49	29	55°8	55°8	47°2	57°1	3°0	0°4	361	434	82	97	SW	2	S	1	10	10	633	
25	29	08	28°75	57°5	55°9	52°8	59°2	3°8	0°9	364	421	77	94	W	3	S	2	6	10	575
26	28	84	20°14	54°9	53°8	51°8	61°3	2°7	2°0	356	360	82	87	W	5	SW	1	7	4	088
27	29	14	04	56°6	51°4	51°4	61°2	3°5	1°7	360	335	78	89	SW	1	W	6	1	0	108
28	23	49	53°9	47°8	46°4	58°4	4°2	1°9	306	286	74	86	W	3	W	1	4	0	—	
29	63	78	52°1	47°0	41°6	59°3	3°0	2°3	311	268	80	84	W	1	W	1	2	0	—	
30	79	20	54	50°4	51°9	46°7	60°4	2°4	3°0	305	309	84	80	W	1	S	2	2	0	147
31	29	20	28°76	54°0	50°5	49°9	60°2	0°5	1°9	403	447	97	89	S	1	SW	4	10	6	710
Mean	29°473	29°491	56°4	54°5	51°2	62°2	3°2	2°5	367	359	80°7	84°1	1°8		1°6	7°7	6°0	5°193		

WOLFELEE.—AUGUST 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. $2^{\circ} 39' W.$ Lat. $55^{\circ} 23' N.$ Gravity Correction, $+ .025$.

1	29°25	29°18	55°0	55°0	42°0	64°0	2°0	2°4	'352	'365	82	85	NE	ENE	—	—	—	Dull a. Fine p.
2	29°07	28°59	59°0	50°S	48°0	66°0	5°4	1°4	'344	'331	90	90	SW	SW	—	—	'240	Fine a., and p. ● showers.
3	28°03	28°57	51°8	48°4	46°0	55°0	1°2	0°2	'354	'336	91	98	W	SW	—	—	'350	● showers.
4	28°07	29°06	53°5	54°0	46°0	60°0	1°9	1°4	'356	'377	87	90	NE	NE	—	—	'120	● showers all day.
5	29°21	'32	54°5	50°0	49°0	57°0	2°4	0°9	'357	'337	84	94	SE	SE	—	—	—	Dull and cloudy p.
6	'33	'38	57°0	53°8	49°0	69°0	4°4	3°4	'341	'322	73	77	W	W	—	—	—	Fine all day.
7	'33	'32	55°6	57°2	47°0	63°8	3°5	3°2	'347	'375	78	80	NW	NW	—	—	'020	Dull and blowy a. Fine p.
8	'31	'23	59°5	58°0	51°0	60°0	3°4	2°6	'404	'404	80	83	W	W	—	—	'090	Dull a. ● showers p.
9	'06	'00	60°0	56°5	54°0	61°0	1°9	2°4	'456	'387	80	85	SW	SW	—	—	'420	Dull a. ● showers p.
10	'14	'25	53°5	51°0	49°0	63°0	1°9	1°4	'356	'338	87	90	SW	NE	—	—	'020	Dull a. Clear p.
11	29°22	29°11	53°0	53°6	43°0	62°0	1°4	2°0	'363	'355	90	86	W	SW	—	—	'010	●. Fine p.
12	28°03	28°07	57°0	54°0	47°0	62°5	3°9	3°4	'354	'324	76	78	W	NW	—	—	'050	Dull, with ● showers a. Fine and [blowy p.]
13	29°18	29°27	58°5	53°5	51°0	62°0	4°9	1°9	'345	'356	72	87	N	N	—	—	'290	Dull and blowy a. and p. ● showers.
14	'18	'20	61°8	57°0	51°0	68°5	2°2	1°9	'479	'408	87	88	SW	SW	—	—	'100	● showers a. Fine p.
15	'11	'14	56°0	56°0	48°0	66°5	3°4	4°4	'355	'331	79	73	W	W	—	—	—	Fine day.
16	'29	29°32	53°5	52°5	51°0	63°5	3°4	2°4	'319	'331	78	84	E	S	—	—	—	Dull a.
17	29°21	28°09	55°0	56°5	42°0	61°8	2°4	0°9	'365	'430	85	94	S	SE	—	—	'690	Dull and blowy, with ●
18	28°06	'92	62°0	55°0	44°0	70°5	1°4	1°4	'507	'392	92	91	S	S	—	—	—	Cloudy a. Distant T. Fine p.
19	'88	'95	60°0	58°0	47°0	70°0	1°4	2°4	'472	'410	92	85	S	S	—	—	—	Blowy a. Fine and clear.
20	'95	'90	60°0	56°5	44°0	64°0	2°4	1°9	'441	'401	86	88	SW	SW	—	—	—	Fine day.
21	28°85	28°01	60°0	56°0	45°0	68°0	2°4	2°4	'441	'381	86	85	SW	SW	—	—	'050	Dull, with ● ² .
22	29°00	29°10	54°0	53°0	46°0	62°5	4°4	1°4	'301	'363	72	90	NE	NE	—	—	1'340	● ² a. Fine p.
23	'12	29°15	56°0	57°0	44°0	67°0	6°4	3°4	'287	'367	63	79	NE	NE	—	—	'080	Blowy a. Fine day.
24	29°10	28°00	53°8	55°0	41°0	59°5	4°2	0°9	'304	'409	74	94	SW	SW	—	—	'460	Dull and cloudy a. Blowy, with ● p.
25	28°71	'41	57°0	56°5	53°0	61°0	2°9	0°9	'380	'430	82	94	W	SW	—	—	'920	Blowy and stormy a. ● ² p.
26	'48	'77	53°0	55°0	44°0	61°5	1°9	2°4	'350	'337	87	84	SW	SW	—	—	—	Stormy and blowy.
27	'73	28°61	54°0	50°0	59°0	59°0	1°4	0°9	'377	'337	90	94	W	W	—	—	'060	Dull a. Fine p. [and clear p.]
28	28°80	27°04	54°0	54°8	45°0	60°0	3°4	4°2	'324	'318	78	75	SW	W	—	—	'200	Fine and blowy a. ● showers. Fine
29	29°16	'32	52°0	44°0	34°0	60°5	3°9	0°6	'289	'274	75	95	NW	SW	—	—	'050	Fine, bright and clear.
30	29°35	29°16	53°0	53°0	30°0	61°0	1°9	2°4	'350	'300	87	84	SW	SW	—	—	'200	Fine a. and p. Stormy day.
31	28°82	28°46	54°5	52°0	50°0	59°0	0°9	2°9	'399	'313	94	81	SW	SW	—	—	1'100	● ² . Stormy p.
Mean	29°052	29°038	56°0	53°8	46°2	62°0	2°9	2°1	'370	'359	82°1	86°5	—	—	—	—	6'860	

SCARBOROUGH.—AUGUST 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground :—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $0^{\circ} 23'$ W. Lat. $54^{\circ} 17'$ N. Gravity Correction, $+ \cdot 025$.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	58°	57°	40°	63°	2°	1°	in.	in.	%	%	W	1	W	1	7	8	ins.	Fine day.
2	29°75	29°61	58°	57°	40°	63°	2°	1°	404	422	83	90	SW	1	SW	1	5	3	—	Fine day.
3	60	49	61°	53°	53°	70°	4°	1°	415	357	76	88	SW	4	SW	1	5	3	—	Fine day.
4	33	30	60°	50°	50°	60°	5°	2°	406	358	78	97	SW	2	SW	1	5	3	900	Fine early a. ∇^2 a. and p.
5	37	50	56°	52°	47°	60°	1°	0°	403	371	87	94	E	1	N	1	8	1	—	Threatening a. Very fine p.
6	80	76	56°	52°	50°	61°	1°	2°	425	334	93	85	NW	3	NNE	3	10	5	010	Cold. \odot^0 .
7	79	73	55°	54°	48°	60°	4°	2°	324	361	74	85	NNW	3	N	2	9	5	—	Fine day.
8	79	66	57°	57°	51°	64°	4°	5°	340	434	73	83	W	5	W	6	10	3	010	Dull day. Afternoon warmer.
9	59	40	59°	57°	55°	63°	1°	0°	477	453	94	94	WSW	3	WSW	4	4	3	170	Dull day. \odot 8p.
10	55	68	54°	51°	51°	59°	1°	1°	382	336	91	80	NW	2	Calm	0	10	2	270	Fine a. \odot noon—4p.
11	72	57	59°	59°	49°	63°	1°	4°	366	459	72	91	NW	2	Calm	0	10	2	010	\odot^0 . Fine afternoon.
12	46	44	61°	56°	56°	64°	4°	2°	406	391	73	88	W	4	W	4	9	10	—	Dull, with ∇ .
13	61	71	59°	57°	53°	67°	5°	2°	355	418	70	88	WSW	3	WSW	2	3	2	060	Fine day. \odot showers 1p.
14	68	66	60°	61°	55°	70°	0°	2°	518	496	99	93	W	4	W	2	10	5	220	Fine and bright. Dull evening.
15	63	57	56°	55°	54°	61°	0°	7°	441	393	95	90	W	2	W	2	10	1	130	\odot 7a.—10a. Fine later.
16	69	76	54°	54°	52°	61°	0°	6°	413	379	95	90	WNW	3	WNW	2	10	8	—	\odot showers from 9a. ∇ 3p.
17	75	54	56°	57°	50°	59°	1°	0°	425	465	94	98	WNW	3	WNW	2	10	8	—	Dull day.
18	47	38	59°	59°	56°	63°	0°	1°	500	500	100	99	S	3	S	2	10	10	270	Dull, with ∇ . \odot 4p.—9p.
19	40	36	58°	55°	55°	63°	1°	4°	446	400	91	93	S	1	S	1	10	8	030	Dull day. \odot 9a.—noon.
20	44	39	57°	56°	52°	63°	1°	4°	430	422	91	93	SSW	2	S	2	5	5	010	Fine day.
21	18	22	56°	54°	52°	57°	1°	2°	422	412	92	97	W	2	W	1	8	9	010	Fine till noon. ∇ 1p.—3p. \odot^0 .
22	23	44	56°	54°	52°	57°	0°	3°	404	413	100	97	NNE	3	N	2	10	2	250	Dull day. \odot 11a.—1p.
23	49	58	53°	52°	51°	57°	0°	3°	404	388	98	97	NE	3	NE	2	10	2	010	Dull till 8p. \odot till 3p.
24	59	47	56°	55°	48°	59°	2°	3°	427	378	84	97	NE	4	NE	1	10	5	—	Dull and cold. Fine evening.
25	30	03	56°	59°	53°	61°	2°	6°	378	427	84	97	NW	3	W	4	7	10	090	Fine a. Dull and gloomy p. \odot 1p.
26	00	28	50°	58°	57°	65°	1°	1°	405	446	91	91	W	5	W	7	10	10	100	Dull, with ∇ . \odot 3p. and 8p. Stormy n.
27	23	04	50°	55°	54°	61°	2°	0°	456	412	98	95	WSW	8	SW	1	8	10	090	∇ a. Dull day. \odot 10p.
28	34	47	51°	51°	50°	61°	0°	8°	456	412	98	95	SW	1	SW	1	10	10	060	Dull day. \odot 9a.—noon, and 3p.—6p.
29	62	72	53°	50°	47°	58°	0°	8°	356	351	95	94	WSW	1	W	2	9	1	370	∇ noon and 4p. \odot^2 showers. Δ
30	85	68	48°	54°	44°	60°	2°	1°	366	327	89	91	WSW	2	W	2	5	0	240	∇ 1p. \odot 3p. and 6p. Δ
31	29°43	29°03	56°	57°	49°	61°	2°	0°	389	447	86	94	NW	1	NW	1	7	10	050	Fine and bright till 8p., then \odot^0 .
Mean	29°525	29°488	57°	55°	52°	62°	1°	1°	413	410	88°	92°	SW	3	S	5	5	10	160	\oplus 7a. Fine a. \odot 3p.—8p.

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—AUGUST 1891.

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.

1	29°79	29°69	58°7	57°2	50°5	60°7	1°7	0°9	*441	*440	90	WSW	3	WSW	4	10	7	—	Dull day.
2	*60	*48	60°0	54°2	53°2	63°0	3°0	0°9	*423	*394	82	W	5	WSW	3	6	7	*353	Fine day. ☉ at night.
3	*36	*34	54°7	53°5	48°0	60°2	0°9	0°6	*402	*393	94	NW	2	N	2	9	10	*018	☉ ² a. Cloudy day.
4	*42	*55	58°8	56°0	50°7	64°0	3°5	1°8	*391	*397	79	NE	2	ENE	2	7	8	—	Fine day.
5	*71	*83	60°0	54°0	52°9	67°2	3°0	1°3	*423	*380	82	N	2	N	5	8	4	—	Fine day. Squally p.
6	*90	*97	57°2	54°0	51°4	60°3	4°0	2°2	*354	*355	75	NNW	5-7	NW	6	7	4	—	Squally (gale) a. and p. Fine day.
7	*93	*91	58°6	59°6	52°2	67°5	2°6	0°6	*413	*491	84	WNW	5	NW	4	7	8	—	☉ a. Dull day.
8	*85	*72	60°0	57°4	56°8	61°8	0°9	0°2	*488	*465	95	WSW	4	SW	3	10	10	*662	Overcast. ☉ in afternoon.
9	*55	*54	57°4	57°2	55°8	65°3	0°1	0°2	*468	*462	99	WNW	2	WNW	3	10	10	*214	☉ till ip. Fine afternoon.
10	*67	*80	57°0	54°7	53°5	62°2	1°2	0°2	*428	*423	92	NW	6	NW	6	8	4	*017	Cloudy, with squally p.
11	*73	*61	55°8	51°5	50°5	60°3	0°8	0°5	*422	*368	94	SW	5-6	N	2	10	6	*190	Dull, with squally ☉ ² .
12	*49	*62	59°2	57°0	50°8	63°4	2°7	2°4	*419	*394	84	WSW	6	W	4-5	10	4	*402	Squally ☉ showers.
13	*78	*77	59°0	55°0	50°0	61°3	3°0	0°0	*407	*433	82	W	5	Caln	0	8	10	*030	Dull day. ☉ in afternoon.
14	*73	*74	65°3	59°2	53°9	65°3	1°3	2°0	*575	*439	92	WSW	4	W	4	10	6	*048	Dull, with ☉ showers.
15	*66	*72	57°0	54°5	51°8	63°0	1°5	0°0	*420	*399	90	W	4	NW	2	8	4	—	Cloudy day.
16	*80	*81	58°8	56°3	49°2	62°0	2°8	0°7	*410	*433	85	WNW	2	SW	1	10	10	*098	Dull day.
17	*58	*36	56°0	56°9	53°5	57°7	1°2	0°4	*413	*452	92	SE	5	SW	4	10	10	*556	Overcast, with ☉.
18	*42	*33	60°8	57°0	52°6	61°8	2°4	0°4	*454	*453	85	SSW	2	ESE	4	6	6	*101	Fine a. Dull with ☉ showers p. ☉ ²
19	*31	*38	58°0	56°7	54°2	61°5	1°2	0°2	*445	*455	92	ESE	4-5	SW	3	10	9	*190	Dull, with ☉ showers.
20	*43	*32	55°8	45°2	45°0	60°5	0°6	0°3	*428	*297	95	SW	4	N	2	10	3	—	Cloudy day.
21	*33	*43	58°8	53°7	44°0	66°4	2°3	1°0	*425	*384	86	NNN	2	NNW	2	8	7	*368	☉ a. and p. Cloudy day.
22	*47	*63	53°8	56°5	50°5	63°5	0°1	0°8	*412	*433	99	N	5-6	N	2	10	8	*043	Squally ☉ a. ☉ in afternoon.
23	*63	*67	61°0	51°8	50°8	64°7	3°0	1°0	*439	*359	82	NW	2	NW	2	7	7	*002	Cloudy a. ☉ showers in afternoon.
24	*61	29°42	55°8	56°5	48°5	56°9	2°3	0°5	*380	*442	85	SW	5	SW	7	10	10	1°312	Overcast. Squally ☉ ² p.
25	*25	28°87	57°4	58°6	55°2	58°8	0°4	0°2	*459	*486	97	WSW	3	SSW	5-7	10	10	1°033	Overcast, with squally ☉.
26	*14	29°24	57°8	56°3	53°0	60°8	3°0	0°4	*399	*4	81	WSW	6-7	SW	4	3	10	*056	Squally p. a. Fine day.
27	*19	*12	56°0	53°0	51°9	58°2	0°3	0°4	*440	*391	98	SE	2	NW	2	10	8	*036	Overcast.
28	*36	*36	56°3	52°3	48°0	60°0	1°6	2°4	*407	*329	89	WSW	4	W	2	8	5	*140	Fine day. ☉ ² 11.30p.
29	*68	*86	54°0	46°3	42°8	60°7	3°0	1°3	*334	*283	80	NNW	4	NNW	2	7	2	—	☉ showers a. Fine p. ☉ p.
30	*85	29°63	58°2	54°8	40°0	66°2	3°0	3°3	*399	*339	81	SSW	3	SSW	5	7	10	1°074	☉ a. Fine day. ☉ ² n.
31	29°31	28°96	56°0	58°6	51°0	58°6	0°2	0°6	*443	*473	99	SSW	5-6	SW	5-6	10	8	*734	Overcast, with squally ☉ ² .
Mean	29°565	29°544	57°8	55°0	50°7	61°9	1°9	0°9	*424	*409	88°3	93°9	3°9	3°4	8°5	7°3	7°664		

STONYHURST.—AUGUST 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.	55.5	55.8	46.2	58.6	2.5	1.2	370	411	84	92	swb.w 1	SSW 1	10	10	ins. Overcast.
2	29.56	29.51	55.5	55.8	46.2	58.6	2.5	1.2	370	411	84	92	S by W 2	swb.w 1	10	10	Cloudy a. Sunny p. ☀ ☁ 9p.
3	29.40	29.28	57.7	55.4	53.5	62.8	3.4	2.7	378	363	79	83	swb.s 1	swb.w 1	10	10	Overcast, with ☁.
4	29.13	29.11	52.3	51.1	49.8	59.6	1.7	1.7	347	332	88	88	Calm 0	NW 1	7	1	Overcast.
5	29.17	29.27	56.0	52.5	46.4	62.0	2.0	2.4	391	331	87	84	swb.w 1	swb.w 1	10	10	Overcast, with ☁ a. ☀ noon. ☁ showers p.
6	29.43	29.57	57.2	55.5	46.6	63.3	3.9	3.0	357	357	76	81	swb.w 1	swb.w 1	10	10	Overcast.
7	29.63	29.69	54.0	54.4	51.4	60.6	2.6	2.6	344	351	82	83	Calm 0	NW 1	7	1	Overcast and cloudy.
8	29.69	29.67	55.4	57.7	52.2	58.8	3.7	0.8	339	453	77	95	swb.w 1	swb.w 1	10	10	Overcast.
9	29.65	29.52	57.5	55.7	54.9	64.5	1.2	0.9	436	419	92	95	SSW 2	WbyS 2	10	10	Overcast.
10	29.36	29.30	58.0	57.1	54.6	61.4	1.0	1.1	451	433	93	92	SSW 2	SW 3	10	10	Overcast.
11	29.38	29.54	58.8	55.5	54.8	63.7	3.1	1.3	403	403	81	91	WSW 1	WSW 1	10	10	Overcast with ☁.
12	29.56	29.42	56.0	57.7	50.1	60.0	2.6	0.8	375	453	83	95	WNW 2	W 1	10	10	Overcast, with ☁ showers a. ☀ 2p.
13	29.28	29.36	59.7	57.0	52.9	61.7	3.7	3.5	399	364	75	78	swb.w 2	SW 1	10	10	Overcast.
14	29.52	29.56	58.0	54.0	53.8	61.3	4.3	1.0	360	388	75	93	SW 4	WSW 3	10	10	Overcast.
15	29.53	29.53	60.5	58.8	53.8	63.6	0.6	1.3	507	455	96	93	WSW 3	WSW 3	10	10	Overcast, cloudy, and squally. ☁ p.
16	29.44	29.46	57.5	54.4	54.0	60.9	3.2	2.0	380	367	80	87	W 3	SW 1	10	10	Cloudy a. Overcast, with ☁ p.
17	29.56	29.61	56.9	55.5	51.0	60.5	3.4	0.9	365	415	79	94	SW 3	WbyS 1	9	1	☁ a. Overcast. ☁ p.
18	29.47	29.59	58.3	53.1	60.9	4.3	2.4	372	414	75	84	W 2	W 2	10	10	☁ showers a.	
19	29.24	29.09	57.6	53.9	52.9	61.6	2.6	2.1	398	357	83	87	W 2	W 2	10	10	Sunny, then overcast.
20	29.44	29.47	57.0	53.7	66.3	4.0	2.8	387	383	72	82	SE by S 3	SE by E 4	10	10	Sunny, then overcast with ☁.	
21	29.15	29.20	61.0	53.3	53.3	64.9	6.0	1.3	358	370	67	91	SW 1	SSW 1	3	10	Fine and sunny.
22	29.24	29.09	57.6	53.9	52.9	61.6	2.6	2.1	398	357	83	87	SSE 3	Calm 0	3	10	Sunny, then cloudy and overcast with ☁.
23	29.03	29.14	58.2	55.3	50.9	62.7	4.2	4.6	364	316	75	78	S by W 1	NNE 1	10	10	Overcast.
24	29.10	29.34	54.3	52.8	51.2	59.8	1.8	3.5	371	309	88	77	NbyW 2	N 1	10	10	Overcast.
25	29.36	29.40	56.4	55.0	46.3	60.8	2.9	3.0	372	349	82	81	NbyW 2	N 1	10	10	Cloudy day. ☁ p. Distant ☀ 3p.
26	29.40	29.30	54.2	58.6	48.8	60.5	1.7	6.3	372	319	89	65	WbyS 1	WbyS 1	10	10	Overcast.
27	29.08	29.28	56.9	58.0	48.8	61.2	0.9	1.5	435	436	94	90	swb.s 1	SbyW 2	10	10	☁ a. and p. Overcast.
28	29.07	29.07	54.5	54.7	54.1	61.7	2.4	2.5	357	358	84	93	SbyW 2	S 6	10	10	Overcast, with ☁. Squally ☁ p.
29	29.08	29.06	55.8	55.2	51.1	58.7	2.3	1.2	381	401	85	92	SW 5	SSW 1	10	10	Squally ☁ a. Overcast p.
30	29.15	29.36	54.4	50.4	49.8	59.7	2.5	1.9	353	318	83	88	Calm 0	swb.s 1	10	9	Gloomy a. Overcast. ☁ p.
31	29.46	29.62	48.7	52.0	47.1	56.5	1.3	2.1	311	333	91	85	swb.s 3	SW 1	8	2	☀ 7a. ☀ p. Cloudy day.
32	29.65	29.46	54.1	51.4	48.8	60.0	2.6	1.4	346	343	82	90	SW 2	W 1	10	9	☀ a. Overcast, with ☁.
33	29.19	29.83	55.6	60.2	49.8	60.2	2.9	1.9	362	460	81	89	S 1	Calm 0	0	10	☀ a. Overcast p.
34	29.19	29.83	55.6	60.2	49.8	60.2	2.9	1.9	362	460	81	89	S 2	SSW 3	10	10	Overcast.
Mean	29.345	29.331	56.5	55.3	51.2	61.3	2.8	2.1	379	379	82.6	86.5	1.8	1.4	8.9	8.7	9.854

HILLINGTON.—AUGUST 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

1	29.85	29.83	57.9	56.9	48.6	66.2	4.2	1.4	360	421	75	92	NW 2	WNW 1	7	10	☀ p.
2	75	60	57.1	55.0	54.0	67.3	0.5	1.1	451	400	96	92	SW 2	WNW 1	10	8	☀ p.
3	45	43	56.9	50.7	49.9	63.3	3.3	1.1	367	342	80	92	NW 3	WNW 1	7	6	☀ p. [to SSW. Distant ☀ p. (Waterspout 7 miles (820 in. in 20 min.)
4	48	56	59.6	50.0	43.9	67.4	5.0	0.2	364	356	71	99	W 2	SW 0.5	5	8	☀ p.
5	66	83	61.5	55.0	41.0	66.4	5.8	0.3	424	424	78	98	NNE 1	NW 0.5	5	10	☀ p.
6	91	95	55.0	54.5	49.9	61.3	0.7	0.7	412	404	95	96	NW 2	NW 1	10	10	☀ p.
7	94	93	56.9	58.1	47.0	67.6	4.3	2.3	343	413	74	85	WNW 4	NW 2	10	10	☀ p.
8	97	90	62.0	59.9	57.1	70.5	2.8	2.2	462	444	83	87	WNW 3	SW 3	10	10	☀ p.
9	75	67	58.8	55.8	54.5	60.5	2.1	0.4	430	433	87	97	SW 2	WSW 1	10	1	☀ p.
10	66	85	58.0	48.0	48.0	62.4	1.3	0.3	456	328	92	98	W 2	WNW 1	10	8	☀ p.
11	90	82	60.1	59.0	47.0	64.9	3.4	3.2	413	401	80	81	NW 3	SW 5	5	10	☀ p.
12	62	68	63.9	64.0	57.1	70.3	4.3	3.5	449	475	75	80	W 5	SW 5	6	7	☀ p.
13	82	90	62.2	57.9	53.8	68.4	5.5	0.5	388	464	70	97	NW 5	NW 0.5	5	10	☀ p.
14	89	86	67.0	63.0	57.8	75.5	4.3	2.7	505	482	77	84	W 3	W 1	10	10	☀ p.
15	76	75	61.6	57.2	55.0	68.0	2.1	2.3	477	400	87	85	W 3	W 1	10	8	☀ p.
16	83	91	61.5	53.9	48.9	63.4	3.8	0.3	424	407	78	98	NW 3	NE 1	5	10	☀ p.
17	84	68	65.0	58.5	48.2	71.5	5.3	2.6	437	412	72	83	SE 2	SE 2	6	10	☀ p.
18	55	54	64.3	58.7	58.0	69.5	1.0	1.0	566	462	94	94	SW 2	S 0.5	10	8	☀ p.
19	55	57	62.1	51.8	50.8	68.5	4.4	1.9	418	335	75	87	SW 2	SW 1	7	1	☀ p.
20	59	41	58.8	54.9	47.6	67.5	4.1	2.1	374	371	76	87	SW 3	W 1	5	10	☀ p.
21	00	38	56.1	53.5	52.0	60.4	0.4	1.8	437	360	97	89	NNE 5	NW 1	10	7	☀ p.
22	35	51	53.9	59.0	47.1	59.4	2.1	0.4	357	485	87	98	NW 3	NE 3	10	10	☀ p.
23	60	69	57.0	52.0	51.0	60.3	3.3	0.4	369	377	79	97	NNW 4	NNW 0.5	9	10	☀ p.
24	76	70	57.1	57.1	49.5	64.6	3.3	2.5	370	393	80	84	W 3	W 3	10	10	☀ p.
25	56	34	57.5	59.7	53.2	60.5	1.6	2.1	425	444	80	88	SW 5	SW 5	10	10	☀ p.
26	37	46	62.5	58.2	57.1	67.5	6.7	0.6	362	467	64	96	W 7	SW 2	5	10	☀ p.
27	34	22	61.5	57.0	50.5	62.5	0.5	0.5	529	449	97	97	SW 3	SW 3	10	10	☀ p.
28	52	71	58.1	54.0	50.8	62.6	3.9	1.1	370	385	76	92	SW 4	SW 1	3	0	☀ p.
29	85	93	57.2	49.5	45.5	64.4	3.5	1.2	366	323	78	91	SW 3	SW 0.5	6	0	☀ p.
30	93	88	55.4	50.0	38.2	65.6	2.9	1.2	357	329	82	92	S 1	S 1	4	0	☀ p.
31	20.69	20.27	57.8	60.0	48.8	65.7	1.9	0.9	421	487	87	95	S 3	S 4	10	10	☀ p.
Mean	20.671	20.670	59.5	55.9	50.6	65.6	3.1	1.4	416	409	81.6	91.3	3.1	1.7	7.7	7.8	4.372

CHURCHSTOKE.—AUGUST 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.	Per-centage.							
	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.	58.1	55.7	42.8	60.1	3.1	2.7	.391	.366	80	83	W 2	W 2	9	9	ins. 10.30
2	29.56	29.12	59.5	52.9	52.8	64.0	4.5	1.1	.374	.370	73	93	SW 3	SW 2	8	6	.360
3	28.96	28.97	53.0	48.9	48.0	59.9	2.0	1.3	.348	.313	86	91	WNW 4	WNW 1	9	0	.053 Clear and cool. 1 showers.
4	28.99	29.11	56.0	46.2	43.0	60.5	2.9	0.3	.365	.306	82	98	NW 1	NW 1	6	8	.080 12.2 3p.-5p.
5	29.24	.40	52.9	55.3	42.4	63.6	1.5	1.1	.360	.343	90	92	N 1	N 1	5	9	.003 ∞ a.
6	.48	.57	54.5	51.0	47.8	62.6	1.5	1.9	.381	.336	90	87	W 1	NNW 1	10	3	— Gloomy day.
7	.56	.55	55.2	57.2	49.0	61.9	4.8	1.2	.368	.431	71	92	NW 2	NW 3	8	7	—
8	.54	.41	60.9	56.0	55.8	65.8	4.5	1.0	.396	.419	74	93	W 3	SW 2	9	10	.189 1 showers.
9	.17	.17	58.2	56.9	54.8	65.0	1.2	2.1	.447	.401	92	87	SW 2	SW 2	10	5	— Fine and clear.
10	.25	.42	60.0	54.7	53.1	66.9	2.1	1.7	.449	.378	87	89	NW 2	W 2	8	6	.395 2 showers.
11	.42	.26	55.8	50.8	49.1	62.5	2.4	1.9	.375	.453	84	88	W 2	W 2	9	4	.020 Dull, cloudy, and cool.
12	.15	.28	61.0	55.9	55.0	64.0	4.5	2.9	.397	.364	75	82	NW 3	W 2	5	5	— Bright and fresh.
13	.40	.42	59.2	62.0	53.0	64.1	5.2	3.1	.352	.453	70	82	W 2	W 3	5	10	.010 1 showers.
14	.44	.41	65.0	60.0	60.0	66.8	4.2	2.8	.470	.428	77	83	SW 2	W 3	9	8	.020 Cloudy and overcast, with ∞ 2 showers.
15	.31	.35	58.3	54.1	53.2	64.4	4.0	1.8	.370	.367	76	87	WNW 2	W 1	6	1	.005 Fresh and cool. [showers.
16	.40	.42	58.6	51.5	45.0	64.0	4.6	1.9	.360	.331	73	87	W 2	WSW 1	7	1	—
17	.25	29.02	54.9	57.4	44.8	60.1	2.3	0.9	.366	.444	85	95	SE 3	SSE 5	10	10	.225 Overcast, with squally 1 0.
18	29.04	28.99	59.6	53.2	44.0	66.5	4.3	1.0	.381	.377	75	93	SSE 2	S 1	5	1	.340 2 n. 2 5p.-5.45p.
19	29.07	29.08	58.0	54.4	50.2	62.1	4.0	2.0	.366	.343	76	81	SSE 4	SE 3	9	9	.120 Squally, with 1 showers.
20	29.07	28.85	59.4	51.9	51.0	62.1	5.9	0.9	.338	.362	67	94	W 2	SE 1	1	8	10 .050 1 showers in evening.
21	28.86	28.08	59.8	48.9	47.0	62.4	4.8	1.5	.371	.308	72	90	SW 1	SW 1	8	5	.180 Gloomy, with 12.2 1.
22	28.99	29.16	54.7	54.3	46.0	57.6	2.0	2.3	.348	.357	81	84	WNW 3	N 2	10	10	.344 Cool and cloudy, with driving 2 2.
23	29.22	.28	56.2	49.8	43.7	61.2	3.2	1.3	.361	.324	80	91	NW 2	W 1	8	1	.215 1 showers. 1 [most of day.
24	29.28	29.18	56.1	54.1	43.3	59.0	3.0	2.1	.365	.360	81	85	W 2	W 4	9	10	.110 Driving 1 showers.
25	28.98	28.69	58.0	58.8	53.2	61.6	1.6	0.9	.433	.467	89	95	SW 5	SW 6	10	10	.517 Squally 1 1.
26	.90	.90	59.0	52.2	52.0	64.0	6.1	0.4	.320	.379	66	98	W 5	S 1	2	10	.296 Squally 1 2 a.
27	28.79	28.75	57.9	54.5	51.5	59.2	0.9	2.4	.453	.358	94	84	SW 1	S 2	2	10	.322 1 showers.
28	29.05	29.23	58.0	50.9	48.6	66.3	5.4	2.0	.342	.321	69	87	SW 4	W 2	5	1	.186 2 showers.
29	.32	.49	52.2	46.4	45.0	60.3	2.2	1.5	.333	.329	85	80	W 2	NW 1	5	0	.005 Bright p.
30	.47	29.31	55.9	52.1	39.7	64.5	4.1	2.3	.334	.329	75	84	NE 1	SW 1	1	10	.268 1 showers.
31	29.03	28.74	57.1	61.2	48.5	62.0	3.2	2.3	.373	.464	80	86	WSW 3	W 5	9	10	.220 1p.-5p.
Mean	29.198	29.189	57.5	54.2	48.8	62.8	3.4	1.7	.375	.374	79.2	88.7	2.4	2.1	7.5	6.4	4.493

MARGATE.—AUGUST 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.			
1	ins.	ins.	58.6	56.8	53.1	66.8	4.6	1.8	in.	in.	73	88	N	2	SW	1	4	10	ins.	Fine day.
2	29.89	29.88	58.6	56.8	53.1	66.8	4.6	1.8	360	409	73	88	N	2	SW	1	4	10	ins.	showers.
3	29.83	29.82	58.6	56.8	53.1	66.8	4.6	1.8	360	433	83	91	SW	2	W	2	10	10	0.70	showers.
4	29.82	29.81	58.6	56.8	53.1	66.8	4.6	1.8	370	344	86	88	SW	2	SW	2	9	10	1.60	showers.
5	29.84	29.83	58.6	56.8	53.1	66.8	4.6	1.8	353	364	76	94	SW	2	SW	1	7	2	1.30	showers.
6	29.83	29.82	58.6	56.8	53.1	66.8	4.6	1.8	401	424	81	90	SW	1	Calm	0	2	10	0.40	showers.
7	29.87	29.86	58.6	56.8	53.1	66.8	4.6	1.8	340	412	81	88	SW	1	Calm	0	10	10	0.30	showers.
8	29.97	29.96	58.6	56.8	53.1	66.8	4.6	1.8	342	388	72	79	N	2	SW	2	3	10	—	Fine day.
9	30.05	30.04	58.6	56.8	53.1	66.8	4.6	1.8	457	496	79	88	W	2	Calm	0	6	0	—	Fine day.
10	29.85	29.84	58.6	56.8	53.1	66.8	4.6	1.8	385	465	73	97	SW	3	SW	3	10	10	—	Fine day.
11	29.72	29.71	58.6	56.8	53.1	66.8	4.6	1.8	406	469	72	98	SW	2	E	1	7	3	2.00	Fine day.
12	29.93	29.92	58.6	56.8	53.1	66.8	4.6	1.8	378	409	68	83	W	1	SW	3	0	10	1.50	Dull day.
13	29.69	29.68	58.6	56.8	53.1	66.8	4.6	1.8	444	401	73	85	SW	2	SW	2	10	4	—	Fine day.
14	29.97	29.96	58.6	56.8	53.1	66.8	4.6	1.8	374	528	67	89	SW	3	WSW	1	0	10	—	Fine day.
15	29.84	29.83	58.6	56.8	53.1	66.8	4.6	1.8	500	439	84	86	SW	2	SW	1	8	1	—	Bright day.
16	29.86	29.85	58.6	56.8	53.1	66.8	4.6	1.8	493	413	89	83	SW	1	SW	1	10	1	0.20	Very fine.
17	29.82	29.81	58.6	56.8	53.1	66.8	4.6	1.8	413	449	78	87	W	1	Calm	0	0	10	—	Very fine.
18	29.56	29.55	58.6	56.8	53.1	66.8	4.6	1.8	407	449	68	79	SW	1	Calm	0	8	8	—	Fine day.
19	29.59	29.58	58.6	56.8	53.1	66.8	4.6	1.8	507	397	85	92	SE	1	SW	2	9	1	0.70	showers.
20	29.58	29.57	58.6	56.8	53.1	66.8	4.6	1.8	422	374	74	87	S	3	W	2	8	0	0.10	showers.
21	29.07	29.06	58.6	56.8	53.1	66.8	4.6	1.8	375	449	72	97	W	1	SE	1	10	10	1.070	showers.
22	29.37	29.36	58.6	56.8	53.1	66.8	4.6	1.8	449	374	91	90	SW	3	W	1	10	6	1.60	showers.
23	29.58	29.57	58.6	56.8	53.1	66.8	4.6	1.8	396	370	76	88	SW	1	W	1	0	7	1.40	Fine day.
24	29.80	29.79	58.6	56.8	53.1	66.8	4.6	1.8	370	339	78	70	N	1	N	1	8	10	—	Very fine and bright.
25	29.69	29.68	58.6	56.8	53.1	66.8	4.6	1.8	409	400	85	86	NW	1	SW	2	9	10	0.90	Very fine and bright.
26	29.50	29.49	58.6	56.8	53.1	66.8	4.6	1.8	401	419	77	73	SW	3	SW	4	10	10	0.20	showers.
27	29.41	29.40	58.6	56.8	53.1	66.8	4.6	1.8	407	464	68	93	SW	3	W	2	8	10	1.00	showers.
28	29.65	29.64	58.6	56.8	53.1	66.8	4.6	1.8	477	444	76	86	S	1	SW	4	10	10	0.50	showers.
29	29.88	29.87	58.6	56.8	53.1	66.8	4.6	1.8	377	383	75	85	S	2	SW	1	4	10	0.80	showers.
30	29.03	29.02	58.6	56.8	53.1	66.8	4.6	1.8	369	371	72	93	W	2	W	2	4	10	0.70	Fine day.
31	29.70	29.69	58.6	56.8	53.1	66.8	4.6	1.8	381	328	82	92	Calm	0	SW	1	8	0	0.10	Squally p.
Mean	29.70	29.69	58.6	56.8	53.1	66.8	4.6	1.8	410	414	77.6	87.8	1.7	1.6	6.8	6.9	3.330			

SOUTHAMPTON.—AUGUST 1891.

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.

1	29.93	29.93	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	Fine day throughout.
2	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
3	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
4	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
5	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
6	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
7	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
8	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
9	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
10	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
11	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
12	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
13	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
14	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
15	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
16	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
17	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
18	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
19	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
20	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
21	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
22	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
23	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
24	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
25	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
26	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
27	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
28	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
29	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
30	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
31	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.
Mean	29.84	29.84	61.1	59.7	52.1	69.5	3.4	2.1	4.39	4.46	80	88	WSW 1.5	SW 1	10	10	—	showers during day. [day.

BABBACOMBE.—AUGUST 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.			
1	ins.	ins.	63.1	55.8	50.0	67.0	4.8	1.0	in.	in.	0.8	0.8	WSW 2	WSW 2	4	8	ins.	☁ n. and p.
2	29.72	29.71	63.1	55.8	50.0	67.0	4.8	1.0	.421	.416	73	94	WSW 2	WSW 2	4	8	—	☁ showers midday.
3	“ 63	“ 51	64.8	56.3	55.0	66.2	4.5	2.0	.459	.394	76	87	SW 3	WSW 3	4	7	“ 020	☁ noon. ☁ showers.
4	“ 34	“ 32	58.8	51.8	50.7	63.6	4.0	0.8	.377	.364	76	94	WSW 3	WSW 2	9	5	“ 230	☁ showers.
5	“ 32	“ 38	60.3	52.8	47.7	62.2	3.3	1.0	.419	.371	80	93	W 2	WSW 1	7	6	“ 150	☁ showers.
6	“ 48	“ 64	61.3	58.3	45.6	66.3	4.1	3.5	.413	.382	76	78	ENE 1	N 2	4	7	“ 010	☁ showers.
7	“ 77	“ 87	61.8	51.3	50.7	65.2	3.0	1.5	.453	.338	82	90	NW 2	NW 2	9	1	—	☁ showers.
8	“ 90	“ 89	59.4	55.8	46.2	66.1	4.2	1.5	.381	.401	75	90	NW 2	W 3	6	2	—	☁ showers.
9	“ 91	“ 79	63.8	56.8	54.7	65.8	4.0	2.0	.457	.403	77	87	WSW 3	SW 4	7	8	“ 090	☁ showers.
10	“ 57	“ 54	57.8	56.6	56.1	64.4	1.0	0.4	.447	.446	93	97	SSW 4	WSW 3	10	5	“ 380	☁ showers.
11	“ 58	“ 73	60.6	56.8	54.2	60.8	3.3	2.0	.424	.403	81	87	WNW 3	WNW 1	8	2	—	☁ showers.
12	“ 78	“ 64	62.3	58.8	52.5	63.5	3.5	1.0	.446	.464	79	94	W 3	SW 4	9	10	“ 080	☁ showers.
13	“ 55	“ 68	61.2	58.3	57.6	67.7	0.8	2.5	.512	.410	95	84	SW 3	W 2	10	7	—	☁ showers.
14	“ 75	“ 82	63.0	59.8	56.2	68.8	2.6	1.5	.485	.465	84	91	SW 3	WSW 3	10	1	“ 010	☁ showers.
15	“ 81	“ 75	65.8	57.8	57.2	70.4	4.1	1.5	.480	.433	78	90	WSW 3	WSW 2	5	2	—	☁ showers.
16	“ 66	“ 68	64.8	57.8	56.7	70.1	5.0	3.0	.444	.389	73	81	W 3	WSW 2	5	8	—	☁ showers.
17	“ 72	“ 71	61.8	57.7	53.0	66.6	4.6	2.8	.406	.394	74	83	NW 2	WSW 1	7	4	“ 020	☁ showers.
18	“ 55	“ 35	58.8	57.9	54.8	60.0	1.5	0.1	.449	.477	91	89	S 4	SW 3	3	10	“ 790	☁ showers.
19	“ 34	“ 32	61.6	56.6	49.2	64.9	3.1	1.7	.446	.407	82	88	SSW 3	SW 4	4	2	“ 060	☁ showers.
20	“ 36	“ 44	70.7	54.0	53.3	64.0	4.9	2.1	.381	.358	72	85	WSW 5	WSW 3	7	9	“ 100	☁ showers.
21	“ 41	“ 02	58.3	58.6	51.4	59.6	2.7	0.3	.406	.482	83	98	SSW 2	WSW 3	10	10	“ 1510	☁ showers.
22	“ 21	“ 29	57.9	53.8	51.4	65.3	3.3	1.2	.382	.379	80	91	WNW 3	Calm 0	9	3	“ 130	☁ showers.
23	“ 28	“ 33	62.8	56.1	51.3	66.4	4.3	1.2	.430	.415	76	91	ENE 2	NNW 2	3	10	—	☁ showers.
24	“ 50	“ 59	63.4	51.8	51.8	71.1	6.7	2.1	.375	.330	64	85	NE 2	W 1	1	2	—	☁ showers.
25	“ 62	“ 59	60.8	56.0	50.8	64.4	4.1	1.9	.404	.393	77	88	WSW 3	SW 4	9	10	“ 020	☁ showers.
26	“ 42	“ 16	58.2	58.9	56.0	59.2	1.7	0.2	.433	.491	89	99	SW 5	SSW 7	10	10	“ 260	☁ showers.
27	“ 30	“ 22	60.6	56.1	55.9	62.0	3.5	0.3	.419	.441	80	98	WSW 3	SW 5	10	10	“ 840	☁ showers.
28	“ 11	“ 16	57.1	52.4	51.7	57.6	0.2	0.5	.461	.379	98	96	SSW 4	WSW 3	10	9	“ 420	☁ showers.
29	“ 41	“ 58	59.3	52.9	49.0	64.2	3.5	1.0	.399	.373	79	93	WSW 4	SW 3	4	0	—	☁ showers.
30	“ 68	“ 79	58.9	48.1	48.1	63.8	5.1	1.5	.352	.298	71	89	WSW 3	WNW 1	7	0	“ 660	☁ showers.
31	“ 78	“ 62	57.7	54.8	44.3	62.6	3.2	2.0	.369	.373	79	87	Calm 0	SSW 3	6	10	“ 330	☁ showers.
Mean	29.42	29.21	57.0	59.9	53.4	60.1	1.1	0.1	.431	.512	92	99	SW 3	SW 7	10	10	“ 030	☁ showers.

ARMAGH.—AUGUST 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	57.8	54.7	53.0	64.5	0.9	1.0	in.	in.	%	%	SW 1	WSW 1	10	8	ins.	T _{1p-2p} .
2	29.70	29.62	57.8	54.7	53.0	64.5	0.9	1.0	.452	.400	94	94	SW 1	WSW 1	10	8	.010	
3	30	39	59.5	52.0	51.3	62.4	4.0	1.1	.388	.358	76	92	SW 2	WSW 1	9	10	.092	
4	32	35	58.4	52.6	45.0	61.1	5.0	1.9	.347	.345	71	87	WSW 1	NW 0.5	9	10	.230	
5	39	54	57.0	55.3	49.1	63.0	2.7	1.4	.385	.397	83	90	NNW 1	NNE 0.5	10	10	.025	
6	69	84	59.9	51.8	50.9	61.5	3.3	2.2	.413	.328	81	85	NNE 0.5	NW 1	9	10	—	
7	91	98	55.0	54.0	47.9	62.7	1.8	3.4	.381	.324	88	78	NW 1	WNW 1	10	10	—	
8	90	87	58.6	58.0	52.0	63.6	2.0	1.8	.431	.440	88	89	SW 2	SW 1	10	10	.010	
9	73	62	60.0	59.7	53.5	66.5	1.0	2.0	.485	.449	94	88	SSW 3	SSW 1	10	10	.100	
10	48	50	60.8	55.9	55.8	65.5	3.0	0.1	.437	.444	83	100	SSW 0.5	WSW 0.5	10	10	.556	
11	66	78	60.5	55.6	54.0	66.0	3.7	2.1	.411	.383	79	86	NW 1	WNW 1	8	10	.118	
12	55	54	57.1	54.9	53.0	65.5	1.1	1.9	.433	.376	92	88	S 4	WSW 1	10	9	.020	
13	38	57	58.0	55.0	53.2	63.6	3.1	2.3	.390	.383	81	86	SW 2	WSW 1	10	10	—	
14	71	66	59.9	61.8	52.1	62.5	5.0	0.7	.368	.527	71	96	SW 1	SSW 2	10	10	.638	
15	64	67	62.8	55.8	55.7	67.5	2.9	2.4	.474	.378	83	84	SW 1	SW 1	10	10	.129	
16	58	70	59.0	53.3	52.2	65.6	3.3	1.4	.399	.367	80	90	SW 1	WNW 1	10	6	.007	
17	74	66	59.2	57.2	51.0	62.2	3.2	2.3	.405	.400	81	85	WSW 0.5	SSE 1	10	10	.050	
18	31	26	57.7	54.6	54.0	59.5	1.0	0.8	.447	.404	94	95	SE 5	S 1	10	9	.532	
19	24	12	61.6	55.0	46.1	62.7	5.0	1.4	.392	.392	72	91	SE 4	SE 3	8	4	.027	
20	09	24	56.8	54.6	53.6	60.6	2.2	1.6	.397	.380	86	89	SSE 3	S 1	10	7	.212	
21	31	25	59.0	54.5	53.9	62.8	3.1	0.6	.404	.408	81	96	SSW 1	S 0.5	10	9	.065	
22	31	42	58.6	51.7	50.3	63.6	2.6	1.1	.413	.355	84	92	S 0.5	NNW 0.5	10	9	.152	
23	53	64	60.1	54.9	49.9	63.5	4.2	2.1	.391	.372	76	87	N 1	NNW 0.5	10	8	—	
24	65	61	56.8	53.1	48.5	61.9	4.0	2.0	.350	.349	76	86	N 1	WNW 0.5	10	9	.055	
25	47	29	54.2	57.0	51.0	60.2	1.5	0.1	.378	.462	90	99	S 2	SSW 3	10	10	.602	
26	09	28	57.0	59.0	54.1	59.8	2.1	1.5	.402	.452	86	91	SSW 2	SSW 4	10	10	.543	
27	04	29	58.9	51.7	50.0	63.5	5.1	1.0	.351	.355	70	93	SW 3	S 1	8	8	.050	
28	12	09	57.1	49.3	47.1	60.5	1.7	0.9	.416	.328	88	94	S 0.5	S 0.5	10	6	.076	
29	28	50	57.0	46.3	44.8	62.1	4.1	1.0	.349	.290	75	93	WSW 1	SSW 1	10	9	—	
30	66	81	56.5	47.0	44.3	63.2	4.9	1.0	.324	.298	70	93	SW 1	Calm 0	6	8	—	
31	73	29	56.6	50.8	43.9	60.5	3.8	1.4	.339	.336	77	90	S 1	SSE 3	9	10	.175	
31	24	13	56.9	56.7	48.9	62.0	1.1	3.2	.430	.368	94	80	S 2	SW 4	10	9	.277	
Mean	29.478	29.467	58.3	54.4	50.6	62.9	3.0	1.5	.399	.382	82.1	89.9	1.6	1.3	9.5	9.0	4.751	early a. ⁰⁰⁰ 9p

MARKREE CASTLE (SLIGO).—AUGUST 1891.

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.

1	29.78	29.71	60.2	54.0	53.1	65.6	3.7	2.0	407	360	78	86	SW 2	SW 0.5	10	5	0.30
2	59	48	57.7	50.3	49.6	60.3	3.2	1.1	384	336	80	92	WNW 1	SSW 0.5	5	10	0.490
3	48	48	55.6	53.8	47.3	59.9	3.6	2.1	344	356	77	86	WSW 2	NW 1	7	7	1.140
4	52	66	55.0	56.6	51.5	63.5	1.3	1.8	395	405	91	88	N 1	WNW 1	10	10	0.80
5	29.81	29.94	60.8	53.1	51.9	61.2	3.6	3.1	410	321	79	79	N 2	N 2	9	10	—
6	30.02	30.09	56.9	54.9	50.0	57.8	5.6	5.6	312	288	67	67	N 2	N 1	10	10	—
7	30.00	29.97	59.8	59.0	52.4	62.9	1.6	1.4	463	455	90	92	WNW 3	SSW 0.5	10	10	Overcast all day.
8	29.78	67	61.5	59.4	57.2	67.3	1.1	0.8	509	481	93	96	SSW 1	SSE 1	10	10	Overcast all day.
9	55	61	60.7	57.2	55.3	66.0	2.0	1.2	465	431	88	92	SSW 0.5	NW 1	10	10	Overcast all day.
10	80	88	57.7	55.0	54.3	59.8	2.7	2.5	397	362	83	84	NNW 1	Calm 0	10	10	Overcast all day.
11	63	59	61.0	56.6	53.4	63.6	0.7	2.7	513	380	96	82	SSW 1	Calm 0	10	10	Overcast all day.
12	50	69	57.2	56.2	52.1	61.6	3.0	2.8	381	372	81	82	SW 2	NW 2	10	10	0.200
13	77	73	56.1	61.6	52.1	63.1	1.0	0.7	421	524	93	95	SSE 0.5	SSW 2	10	10	0.040
14	72	74	60.5	55.2	54.9	63.9	2.4	2.1	449	376	86	87	SSW 1	Calm 0	10	10	Overcast all day.
15	68	79	57.6	52.7	51.1	60.6	3.0	1.3	388	362	82	92	NNW 2	Calm 0	9	10	Overcast all day.
16	81	67	58.0	55.7	52.2	62.8	2.9	1.8	396	393	82	88	Calm 0	SE 1	10	9	0.010
17	30	31	60.6	51.9	51.3	63.0	0.9	1.0	499	359	94	93	S 1	Calm 0	10	9	0.270
18	16	02	60.0	58.3	45.4	62.9	3.9	5.1	398	343	77	70	SE 3	SE 4	10	10	0.030
19	08	29	56.9	55.0	53.0	62.4	1.2	0.9	427	406	93	94	SSW 1	SSW 0.5	10	10	2 showers.
20	36	34	58.1	52.9	52.3	65.0	2.1	0.6	420	384	86	96	SSW 0.5	Calm 0	10	7	0.820
21	42	56	55.3	53.1	50.8	62.3	1.2	2.1	402	346	92	85	NW 1	N 1	10	10	0.320
22	66	76	56.9	51.6	51.1	61.3	2.9	1.5	378	343	82	90	NNW 2	N 1	10	4	—
23	74	60	54.9	51.9	50.3	58.3	2.7	0.8	356	364	82	95	N 1	Calm 0	10	10	1.170
24	50	29	57.0	57.0	50.5	60.8	0.8	0.7	440	443	94	95	SSW 1	SSW 0.5	10	10	Overcast all day.
25	11	28	56.8	56.2	52.3	60.9	1.5	1.6	417	405	90	90	S 3	SSW 3	10	9	0.180
26	12	29	58.6	53.1	50.3	61.7	3.9	1.0	377	376	77	93	SSW 2	Calm 0	7	8	0.740
27	18	19	50.0	49.6	40.1	60.8	0.2	1.1	356	327	99	93	Calm 0	Calm 0	10	7	0.730
28	33	56	55.2	49.1	41.3	60.1	4.0	1.3	328	316	75	91	WSW 0.5	SSW 0.5	9	9	0.050
29	76	88	52.4	45.0	36.1	57.9	2.4	0.8	330	280	84	94	N 0.5	Calm 0	7	10	0.070
30	76	29	53.0	51.0	41.2	59.6	2.0	1.2	347	343	86	92	S 2	SSW 4	9	10	0.080
31	29.13	28.83	56.2	55.6	46.0	62.0	0.2	1.9	446	389	99	87	S 1	S 2	10	10	—
Mean	29.547	29.536	57.4	54.3	50.0	61.9	2.3	1.8	405	375	85.7	88.6	1.3	1.0	9.4	9.2	7.140

DUBLIN (PHENIX PARK).—AUGUST 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.	Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.		9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	57.7	57.4	51.1	65.5	2.4	2.7	in.	in.	%	%	SW 1	WSW 1	9	1	ins.
2	29.81	29.72	57.7	57.4	51.1	65.5	2.4	2.7	406	393	85	83	SW 1	WSW 1	9	1	.005
3	.63	.48	60.1	52.4	50.6	64.1	5.5	2.4	358	330	69	84	W 2	WSW 1	4	2	.070
4	.41	.39	57.2	50.3	46.9	61.6	5.0	1.7	330	321	70	88	W 1	Calm 0	4	8	.075
5	.46	.54	53.4	52.8	49.1	61.2	1.7	2.0	361	346	89	87	Calm 0	Calm 0	9	6	.110
6	.72	29.87	58.7	54.6	51.9	67.7	4.0	3.2	376	339	76	79	NNE 1	WNW 1	8	7	—
7	29.97	30.04	54.2	55.0	50.4	62.4	4.2	4.4	308	316	73	73	NW 1	W 1	7	7	—
8	30.51	29.96	56.9	59.5	51.7	66.2	4.6	2.5	336	429	72	85	WSW 1	W 1	9	8	—
9	29.85	.72	63.2	59.1	56.4	65.9	3.4	1.4	466	457	80	91	SW 2	Calm 0	8	6	1.150
10	.55	.57	59.7	56.0	55.0	68.5	1.5	0.4	464	437	91	97	Calm 0	Calm 0	7	9	.220
11	.72	.86	60.7	57.3	53.8	65.6	3.1	2.4	432	399	82	84	Calm 0	Calm 0	9	8	.140
12	.70	.62	58.9	55.4	51.7	69.2	2.5	2.2	420	377	84	86	SSW 2	WSW 1	10	5	—
13	.52	.67	59.4	56.2	54.8	65.6	5.6	2.2	345	388	68	86	WSW 2	WSW 1	10	4	.025
14	.79	.77	55.9	63.7	52.2	67.6	1.6	0.8	401	561	90	95	Calm 0	SW 1	10	10	.285
15	.76	.77	63.3	55.8	55.7	66.7	3.9	2.9	451	365	77	81	SW 1	Calm 0	9	3	.005
16	.67	.75	60.5	55.0	53.1	66.1	5.0	2.8	376	354	72	82	WSW 1	Calm 0	5	3	.005
17	.82	.74	56.9	55.8	47.3	62.6	2.7	0.7	384	425	83	95	WSW 1	Calm 0	8	9	.230
18	.42	.34	59.0	52.7	52.1	61.1	1.7	0.3	445	390	90	98	SE 2	Calm 0	10	9	.535
19	.29	.19	59.7	55.9	45.1	65.0	3.5	3.5	405	351	79	78	SE 2	S 2	9	2	.035
20	.20	.36	54.4	55.0	53.1	62.1	1.6	1.6	378	386	90	80	SSW 1	SW 1	10	4	.070
21	.39	.30	57.7	52.4	51.4	63.9	3.9	0.6	366	377	77	96	SW 1	Calm 0	7	7	.035
22	.35	.45	59.2	52.3	50.3	63.3	4.2	0.6	378	376	75	96	NW 1	Calm 0	2	7	.195
23	.55	.67	54.4	55.9	50.5	62.6	2.8	1.0	375	419	83	94	NNW 2	Calm 0	8	9	.075
24	.68	.68	55.1	53.4	48.6	59.6	3.9	1.2	329	374	75	91	WNW 1	Calm 0	10	10	.025
25	.60	29.40	55.4	57.4	51.4	59.1	2.6	2.4	366	400	84	85	SW 1	SSW 3	9	10	.565
26	.20	28.78	59.7	60.5	55.9	61.0	1.7	2.8	457	437	90	83	SSW 2	SSW 5	10	6	.360
27	.18	29.20	58.6	54.4	51.9	61.2	5.1	1.4	348	383	71	91	SW 2	Calm 0	7	4	.060
28	.15	.16	52.6	51.4	45.4	59.0	0.7	1.6	377	338	95	90	Calm 0	Calm 0	10	6	.125
29	.37	.56	53.0	50.5	47.1	62.2	2.6	2.3	332	309	82	84	SW 1	Calm 0	10	4	.055
30	.73	.86	54.0	48.9	45.3	61.1	4.1	2.1	308	296	74	86	Calm 0	Calm 0	3	1	.005
31	.83	29.54	56.2	51.9	40.9	62.0	5.5	1.9	308	336	68	87	Calm 0	SSE 1	4	10	.190
31	29.23	28.04	59.6	58.8	51.1	65.6	3.0	4.6	417	362	82	73	SSW 3	SW 3	10	2	.125
Mean	29.565	29.546	57.7	55.1	50.7	63.7	3.3	2.0	381	380	79.9	87.0	1.1	0.7	7.9	6.0	4.775

DEERNESS.—SEPTEMBER 1891.

Height above Mean Sea Level, 169 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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	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.		
1	ins.	ins.	54.8	54.8	51.0	57.4	2.0	0.8	in.	37.7	94	S	3	SE	1	8	ins.
2	28.53	28.51	54.8	53.0	52.0	57.0	0.5	0.8	in.	37.7	94	W	2	W	3	10	10
3	28.54	29.30	54.8	53.0	52.0	57.0	0.5	0.8	in.	37.7	94	W	2	W	3	10	10
4	29.59	29.75	55.3	50.1	48.0	59.8	2.3	1.1	in.	37.7	94	SW	3	SSE	1	1	0
5	72	73	54.0	50.7	49.0	58.8	1.8	1.0	in.	36.6	87	S	2	SW	1	0	1
6	62	43	53.3	52.2	47.5	54.8	1.3	0.7	in.	35.7	91	SSW	3	SSE	3	10	10
7	22	27	51.0	49.0	47.0	55.3	3.4	1.8	in.	30.3	78	SW	5	W	3	3	3
8	45	74	51.1	50.5	47.0	54.3	1.3	1.4	in.	34.2	91	WNW	7	NW	3	9	10
9	87	85	50.8	52.2	47.0	54.0	4.1	0.8	in.	27.2	73	ESE	2	SE	4	10	10
10	81	76	54.1	55.0	50.0	56.8	0.5	0.7	in.	40.5	96	SSE	2	SSW	2	10	10
11	83	78	57.4	54.0	53.0	63.0	0.7	0.5	in.	45.0	95	S	1	WNW	1	9	10
12	88	83	55.0	53.0	51.0	57.2	3.0	0.2	in.	34.9	81	WNW	3	SSE	2	8	2
13	76	87	62.6	53.7	52.0	63.8	3.0	0.5	in.	40.7	82	N	2	N	1	1	10
14	73	55	52.4	53.1	50.5	54.3	0.3	0.1	in.	38.5	92	SSW	1	SSE	3	10	10
15	46	49	54.8	50.0	49.1	55.3	0.3	1.5	in.	42.1	98	W	3	WNW	3	8	8
16	63	69	51.5	53.0	46.4	54.8	1.7	0.4	in.	33.7	89	W	5	W	5	10	10
17	71	52	54.0	55.0	52.1	57.3	1.1	0.2	in.	38.5	92	WSW	5	WSW	5	10	10
18	61	54	51.1	50.9	46.2	55.8	3.9	2.8	in.	28.0	75	NW	2	SSE	2	9	10
19	33	40	55.4	53.0	48.3	56.8	1.6	0.7	in.	39.3	83	W	4	WSW	3	5	10
20	53	67	50.0	48.8	48.0	56.7	3.1	1.3	in.	36.3	80	WSW	4	W	1	5	0
21	69	72	52.6	50.0	46.0	53.1	0.8	1.3	in.	37.5	95	Calm	0	NE	4	10	6
22	72	84	48.0	46.9	45.5	51.1	4.0	3.5	in.	24.3	73	NNE	7	NNE	6	10	9
23	92	94	47.7	48.1	44.5	50.1	4.3	4.1	in.	23.5	71	NNE	5	ENE	3	10	10
24	95	90	50.9	51.0	47.0	53.8	3.9	1.5	in.	27.7	75	S	3	S	5	10	0
25	71	64	52.6	51.0	50.1	54.0	1.1	1.7	in.	30.7	83	SSE	6	SW	3	10	1
26	79	29.44	52.6	52.2	47.2	56.5	2.3	1.0	in.	33.6	84	SW	2	SSE	7	0	10
27	01	28.83	52.6	51.5	49.0	55.8	3.6	2.5	in.	30.3	83	S	5	SSW	5	8	0
28	06	29.45	52.3	50.1	48.2	54.1	3.6	2.1	in.	30.0	86	W	9	W	5	10	10
29	35	25	51.3	55.6	47.7	56.4	0.7	1.4	in.	36.0	95	S	5	S	4	10	10
30	19	25	54.3	51.0	48.3	58.0	3.4	4.0	in.	32.9	78	S	5	SW	4	0	7
Mean	29.528	29.536	53.2	51.6	48.5	56.0	2.2	1.4	in.	34.9	85.5	3.6	3.2	7.0	7.2	3.370	

DUNROBIN CASTLE.—SEPTEMBER 1891.

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

1	28.64	28.82	58.2	55.5	52.6	59.9	3.2	2.0	.390	.384	80	87	SW	SW	—	—	.250	Fine and mild a. ● showers p.
2	29.13	29.50	54.8	52.5	50.6	55.5	2.3	2.0	.365	.341	86	87	SW	NW	—	—	.460	Dull day.
3	.77	.91	55.5	52.3	45.9	61.0	2.0	1.6	.384	.349	87	89	SW	SE	—	—	—	Fine and mild.
4	.94	.94	55.5	52.5	46.9	59.4	3.0	1.8	.357	.340	81	88	SW	N	—	—	.100	Fine and mild.
5	.80	.59	51.5	54.5	44.9	57.4	2.0	1.8	.329	.374	87	88	S	SW	—	—	.150	Fine a. ● showers p.
6	.43	.54	50.3	55.0	48.8	58.4	2.0	4.5	.314	.314	86	73	SW	N	—	—	.040	Fine day.
7	.68	.95	55.0	48.3	47.8	55.3	4.5	2.8	.314	.272	73	81	NW	NE	—	—	—	Clear and cold.
8	.93	.95	54.3	52.7	43.9	57.0	3.8	2.7	.320	.326	76	82	E	NE	—	—	—	Fine and breezy.
9	.98	29.97	58.7	60.6	49.6	63.2	0.4	2.1	.481	.461	98	87	NE	SW	—	—	120	● showers p.
10	29.99	30.00	64.9	60.4	56.9	64.9	2.9	2.1	.511	.457	83	88	NW	NE	—	—	—	Fine day.
11	30.06	29.98	58.3	55.0	53.1	60.6	2.8	0.7	.403	.412	82	95	NW	SE	—	—	—	Fine day.
12	29.94	30.03	68.2	55.7	54.4	71.9	3.2	1.0	.565	.416	82	94	SW	E	—	—	—	Fine day.
13	.94	29.73	55.0	55.5	53.1	57.2	0.7	0.5	.412	.426	95	96	SW	NW	—	—	.050	Fine and mild a. Dull p.
14	.65	.76	53.0	48.3	46.7	55.5	2.5	1.6	.335	.299	83	89	SW	N	—	—	.100	☼ (mist) a. Dull p.
15	.85	.92	55.0	55.3	45.9	58.9	5.5	2.8	.291	.359	68	82	NW	NW	—	—	—	Dull a. Cold p.
16	.94	.82	56.7	58.9	55.1	59.4	2.4	0.6	.389	.478	85	97	SW	NW	—	—	—	Fine and mild a. Cold p.
17	.77	.70	54.3	51.7	50.6	59.2	2.6	2.2	.349	.327	82	86	E	E	—	—	.090	Dull and mild.
18	.57	.63	58.4	53.5	48.8	61.9	2.9	2.2	.402	.348	82	84	SW	NW	—	—	.070	Dull and mild a. Cold p.
19	.71	.86	56.7	51.7	50.6	60.6	2.4	3.2	.389	.393	85	79	E	N	—	—	—	Dull a. Cold p.
20	.83	29.85	51.7	51.0	45.2	52.0	1.4	2.5	.347	.311	90	83	E	E	—	—	.170	Cloudy and cold.
21	29.91	30.04	49.0	49.0	48.5	56.0	0.7	3.0	.330	.276	95	79	E	E	—	—	—	Dull and cold.
22	30.10	.11	49.5	48.3	45.1	51.3	2.8	2.6	.285	.276	81	82	NE	E	—	—	—	Cloudy and cold a. Dull p.
23	30.12	30.10	50.0	48.5	48.3	54.7	1.7	1.8	.317	.297	88	87	SW	SE	—	—	—	Fine and mild.
24	29.98	29.89	49.7	54.0	46.7	57.9	1.2	2.7	.326	.342	92	82	SE	SW	—	—	.110	Dull, with ● showers a. Mild p.
25	.97	.59	55.0	55.5	48.1	56.7	3.3	1.5	.342	.397	79	90	E	SE	—	—	.040	Fine a., then cloudy. Mild p.
26	.18	.14	51.7	53.3	47.5	57.9	1.7	3.0	.339	.326	88	80	SW	W	—	—	.050	Cold, fine, and blowy.
27	.41	.74	54.0	50.5	49.6	54.6	4.3	1.0	.303	.342	73	93	NW	W	—	—	.120	Breezy. ● showers.
28	.62	.51	54.0	60.0	48.4	64.4	4.0	1.7	.310	.463	74	90	W	W	—	—	—	Dull day.
29	.42	.40	55.7	53.7	46.9	60.4	4.0	3.7	.336	.374	75	76	W	W	—	—	—	Blow a. Fine day.
30	29.43	29.36	54.3	48.7	46.2	55.3	2.6	1.7	.349	.301	82	88	SW	SW	—	—	—	
Mean	29.721	29.747	55.0	53.4	48.9	58.6	2.6	2.1	.363	.355	83.3	86.1	—	—	—	—	1.920	

BRAEMAR.—SEPTEMBER 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	52.5	49.5	49.5	55.8	2.0	2.0	in.	34.1	304	87	87	SW	6	SW	6	9	8	ins.	
2	27.04	27.80	52.5	49.5	49.5	55.8	2.0	2.0	in.	34.1	304	87	87	SW	6	SW	6	9	8	3.00	
3	28.13	28.35	53.7	47.0	46.8	56.8	4.2	2.5	in.	30.3	264	73	83	SW	6	SW	0.5	7	2	0.10	
4	69	80	49.0	49.0	45.0	59.0	3.5	1.3	in.	26.6	318	76	91	SW	4	SW	0.5	3	8	1.20	
5	75	80	46.7	47.0	44.0	58.8	1.2	1.4	in.	29.1	299	92	91	SW	0.5	SW	0.5	7	4	—	
6	71	52	48.7	51.1	37.8	53.7	2.0	1.8	in.	29.6	330	86	87	SW	2	SW	6	8	10	2.80	
7	37	43	49.9	46.7	44.2	53.0	4.4	2.2	in.	25.7	268	71	85	SW	2	SW	1	6	6	1.50	
8	62	73	51.2	50.3	44.5	56.3	5.9	2.6	in.	24.0	299	64	82	SW	1	SW	0.5	5	8	—	
9	77	83	43.5	53.7	34.2	57.3	1.2	1.4	in.	25.6	370	90	90	SW	0.5	SW	0.5	8	8	—	
10	80	82	58.0	57.7	46.8	61.4	1.5	3.0	in.	43.6	390	90	81	SW	0.5	SW	0.5	8	8	0.40	
11	83	82	54.8	58.1	49.2	70.8	2.1	3.1	in.	37.1	392	87	80	SW	0.5	SW	0.5	6	8	—	
12	85	85	61.3	57.7	51.6	69.2	4.0	1.4	in.	41.6	434	77	91	SW	0.5	SW	0.5	3	8	—	
13	78	82	65.5	54.5	50.0	75.0	7.8	2.8	in.	37.0	347	59	81	SW	0.5	SW	0.5	3	0	—	
14	68	55	55.7	48.5	46.0	70.0	1.4	2.2	in.	40.4	423	91	86	SW	0.5	SW	0.5	3	7	0.80	
15	46	55	55.6	56.3	44.8	59.0	1.1	2.8	in.	41.1	252	93	81	SW	0.5	NW	1	3	2	2.20	
16	68	76	49.7	52.5	42.8	55.0	4.2	3.0	in.	35.9	317	72	80	SW	1	SW	4	7	8	0.30	
17	78	66	52.8	55.5	51.2	57.8	2.3	2.8	in.	33.8	359	85	82	SW	4	SW	6	8	7	0.10	
18	56	51	50.9	54.7	51.7	59.2	2.4	2.0	in.	39.2	372	85	87	SW	0.5	SW	0.5	7	8	—	
19	40	49	54.5	51.5	50.8	59.2	3.2	1.8	in.	33.7	332	79	88	SW	2	SW	0.5	7	7	—	
20	56	66	53.7	44.5	43.8	57.2	4.2	1.2	in.	39.3	266	73	90	SW	1	SW	0.5	6	6	—	
21	60	58	43.0	44.6	39.8	49.7	0.7	1.7	in.	26.2	256	94	87	SW	0.5	SW	4	8	10	1.280	
22	54	69	44.0	43.5	41.4	45.7	1.2	1.0	in.	26.1	260	90	92	NE	6	NE	2	10	10	7.50	
23	80	89	44.0	41.5	41.5	47.8	2.8	2.5	in.	22.8	211	78	81	NE	2	NE	0.5	8	9	—	
24	87	87	38.4	50.5	30.5	55.0	1.3	2.7	in.	20.6	299	89	82	SE	0.5	SW	0.5	8	9	—	
25	75	69	51.5	51.5	48.2	55.0	3.2	3.2	in.	30.0	300	79	79	SW	2	SW	0.5	6	5	—	
26	77	48	50.8	51.7	42.1	54.5	2.3	1.4	in.	31.4	347	85	90	SW	0.5	SW	4	5	10	4.90	
27	10	03	50.5	48.5	45.2	55.8	4.3	5.0	in.	20.4	275	72	80	SW	4	SW	8	9	8	0.070	
28	23	60	48.7	47.7	45.8	53.5	3.9	2.2	in.	25.3	279	74	85	NW	6	SW	2	8	10	0.020	
29	47	37	52.3	58.5	40.1	61.3	2.1	2.2	in.	33.6	423	85	86	SW	2	SW	6	8	9	—	
30	34	33	51.2	47.1	46.8	58.5	4.7	3.6	in.	26.4	242	70	75	SW	4	SW	6	7	0	0.900	
Mean	28.27	28.23	48.7	47.7	45.8	52.7	3.9	2.2	in.	25.3	279	74	85	SW	6	SW	2	10	7	0.230	
Mean	28.558	28.583	51.2	50.6	44.9	57.6	3.0	2.2	in.	30.8	317	80.7	84.8	2.2	2.2	6.8	7.0	4.170			0. a. Fine p.

DUNDEE.—SEPTEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.								Per-centage.
	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.		
1	ins.	ins.	58.4	54.0	53.5	60.3	3.7	3.2	ins.	ins.	W	10	SW	10	10	ins.	☞ (gale) n. and during day. (☞ 10a.—4p.)
2	29.11	29.46	58.5	50.6	50.6	61.6	4.0	2.7	3.73	3.01	W	10	W	2	5	5	☞ (gale).
3	70	76	55.9	47.7	47.5	63.1	4.3	0.5	3.32	3.18	W	2	W	1	5	5	☞ 0 showers 3p.
4	77	76	51.3	51.8	45.3	65.0	1.1	1.1	3.49	3.56	S	1	SE	1	10	7	☞ 0 ga. and 8p.
5	77	45	53.3	53.9	45.3	57.7	1.7	1.3	3.59	3.78	SW	1	SW	6	10	10	☞ 160 showers.
6	39	43	52.9	48.7	48.2	57.8	3.2	2.3	3.18	2.89	W	4	W	1	5	10	☞ n. ☞ during day.
7	65	79	56.6	46.0	43.3	62.0	4.2	0.6	3.42	2.97	SW	2	NW	1	5	0	Fine day.
8	86	88	53.6	53.7	41.5	55.5	1.6	0.2	3.66	3.48	SE	1	E	1	10	10	☞ 0 from 9.30a.
9	87	88	60.5	59.9	53.0	65.8	0.5	1.9	3.10	3.44	SE	1	S	1	10	10	—
10	92	86	57.6	58.4	49.7	73.4	2.6	0.9	3.98	3.61	SE	1	W	1	5	5	Fine day.
11	93	88	62.5	58.3	51.0	73.7	2.8	0.9	4.71	4.58	S	1	E	1	5	7	Fine day.
12	86	81	61.5	58.2	50.9	77.8	2.3	0.9	4.70	4.57	SE	1	NW	1	0	0	Fine day.
13	77	54	54.5	56.2	51.3	72.4	1.3	0.8	3.87	4.28	SE	1	SE	1	0	10	☞ 090 Fine day.
14	48	59	56.9	47.5	47.0	59.3	0.5	3.1	4.47	2.57	SE	1	NW	1	10	10	☞ 260 n. and till 4p.
15	79	85	53.3	52.6	43.2	59.6	4.4	1.8	2.93	3.48	W	2	NW	2	5	10	—
16	88	72	55.4	56.8	50.4	59.8	1.8	2.8	3.88	3.80	W	2	W	6	10	10	☞ 030 Dull day. ☞ 9a.—11a.
17	64	56	59.5	52.2	51.6	62.7	2.5	0.7	4.20	3.72	W	2	SE	1	10	10	☞ 030 Dull day. ☞ 9 3p.—6p.
18	54	59	59.2	53.7	51.5	64.8	3.7	2.1	3.92	3.54	W	2	W	4	10	5	—
19	65	70	56.3	51.0	49.2	62.7	2.0	2.5	3.71	3.11	W	2	NW	1	10	5	—
20	62	54	51.6	47.4	46.4	53.3	1.9	2.0	3.33	2.79	E	1	NE	6	10	2100	☞ 0 from 10a.
21	49	66	45.9	47.9	42.6	48.1	1.5	2.5	2.76	2.73	NE	12	NE	12	10	10	☞ 870 ☞ 2 (gale) n. and during day.
22	85	93	50.0	45.6	45.1	51.9	4.0	2.5	2.65	2.50	NE	8	NE	2	5	10	—
23	99	97	50.6	51.5	43.4	58.7	1.7	1.3	3.26	3.46	SW	1	SE	1	10	10	☞ Dull day.
24	82	79	53.1	52.1	46.8	58.4	1.8	1.4	3.54	3.52	S	1	W	2	10	10	☞ 100 ☞ showers from 9a.
25	88	57	52.0	53.9	44.5	60.7	1.6	1.4	3.45	3.76	SW	1	SE	1	10	10	☞ 220 Dull day. ☞ from 7.30p.
26	20	17	53.4	49.9	49.9	54.2	2.7	1.0	3.35	3.33	SW	2	SW	1	5	10	—
27	31	61	53.1	50.9	42.3	58.2	4.0	1.7	3.00	3.39	SW	1	SW	1	10	5	☞ 020 (gale) 10a.—8.30p.
28	54	45	56.4	60.0	49.7	60.6	1.8	2.6	4.02	4.35	SW	2	SW	6	10	10	☞ 080 ☞ showers from 7a.
29	43	41	53.7	51.2	51.2	61.0	3.5	2.2	3.43	3.30	SW	6	SW	4	5	5	—
30	29.36	29.28	53.2	50.1	48.4	58.7	3.0	1.1	3.25	3.33	SW	2	SW	1	10	10	☞ 120 ☞ showers, 11a.—4p.
Mean	29.621	29.619	55.0	52.4	47.8	61.3	2.5	1.7	3.66	3.53	2.8	2.7	7.7	8.0	4.300		

GLASGOW.—SEPTEMBER 1891.

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.

1	28.62	28.87	54.9	55.8	52.8	60.0	2.0	3.9	3.74	3.12	86	75	SW	5	SW	5	10	8	483	Overcast, with squally showers.
2	29.19	29.49	55.9	51.6	50.8	59.2	2.6	2.4	3.73	3.31	84	74	SW	5	SW	1	6	5	402	Cloudy, with squally showers.
3	29.71	29.73	53.4	46.7	60.2	3.2	2.0	3.19	3.53	79	86	SW	1	S	1	5	7	0	037	Cloudy, with showers.
4	29.75	29.78	51.9	50.9	49.3	62.1	1.2	1.7	3.55	3.28	92	88	W	1	W	1	8	0	025	
5	29.73	29.45	52.8	54.2	48.3	57.2	1.1	1.1	3.69	3.88	93	92	S	1	S	6	10	10	290	Overcast, with squally showers.
6	29.40	29.50	53.5	50.5	49.7	56.9	3.2	2.7	3.25	2.99	92	82	SW	3	SW	2	10	9	187	Cloudy and squally, with showers.
7	29.70	29.80	54.3	49.1	46.9	59.4	4.6	1.0	3.02	3.33	71	93	W	2	SW	1	6	0	370	Fine and clear.
8	29.80	29.85	49.1	54.9	46.0	57.1	0.5	0.4	3.36	3.49	97	97	E	2	NE	1	10	10	050	Gloomy and overcast, with showers.
9	29.84	29.87	60.8	58.0	54.9	65.3	1.6	2.2	4.79	4.15	90	82	S	1	S	1	10	2	050	Dull and overcast.
10	29.89	29.89	59.9	58.7	52.7	72.0	2.0	1.9	4.53	4.34	88	88	SE	1	SW	1	3	8	—	
11	29.93	29.88	61.9	63.4	57.0	70.2	2.4	1.7	4.73	4.54	86	90	Calm	0	Calm	0	10	1	—	Dull and warm.
12	29.86	29.81	60.3	59.7	53.8	72.0	2.5	1.5	4.43	4.64	85	91	S	1	S	1	0	0	—	(mist) ga. Day fine and clear.
13	29.71	29.53	56.8	60.4	49.6	72.8	1.1	2.4	4.28	4.47	93	86	Calm	0	W	1	0	10	075	(mist) ga. showers.
14	29.51	29.65	53.8	48.0	48.0	61.1	2.3	1.4	3.52	3.01	85	90	W	2	W	1	10	3	170	a. Dull and cloudy.
15	29.83	29.91	51.0	54.8	47.8	57.3	1.8	1.9	3.27	3.75	87	88	NW	1	W	4	6	9	015	Cloudy and squally, with showers.
16	29.91	29.78	55.9	56.4	54.4	61.0	1.8	1.7	3.94	4.04	88	89	SW	3	SW	5	10	10	050	Cloudy, with squally showers.
17	29.65	29.57	57.2	56.8	54.4	60.8	1.1	0.7	4.34	4.41	93	95	SW	3	SW	2	10	10	050	Squally a. Overcast, with showers.
18	29.51	29.58	56.9	53.9	53.9	61.2	3.2	2.3	3.70	3.53	80	85	W	2	SW	3	8	2	033	a. Cloudy and squally.
19	29.66	29.56	53.8	50.9	47.5	61.1	1.1	0.9	3.82	3.49	92	94	SW	2	S	1	10	9	100	showers. (mist) ga.
20	29.60	29.56	51.1	49.9	49.2	56.2	0.6	2.8	3.60	2.89	96	81	NE	1	N	2	10	10	658	Overcast, with squally showers.
21	29.55	29.68	47.6	49.9	46.8	50.7	2.8	4.8	2.65	2.47	81	69	N	2	NE	5	10	10	114	Overcast, with squally showers.
22	29.82	29.90	49.9	45.1	45.1	58.2	4.8	2.2	2.47	2.51	89	84	NE	2	E	1	4	0	—	Fine and clear.
23	29.95	29.91	46.2	52.2	39.7	56.1	2.1	2.8	2.64	3.18	85	81	E	1	E	2	10	0	120	Dull and overcast. Clear evening.
24	29.75	29.81	52.8	51.9	50.4	60.2	1.1	1.3	3.60	3.52	93	91	S	2	SW	2	10	3	020	Cloudy, with showers.
25	29.89	29.51	51.9	55.1	48.8	60.2	2.1	1.4	3.33	3.93	86	91	S	1	W	1	4	10	525	4.30 a. at night.
26	29.21	29.17	53.7	50.2	48.7	60.2	2.6	1.4	3.43	3.27	83	90	SW	4	SW	5	4	10	515	Squally showers.
27	29.44	29.68	50.8	51.3	47.7	55.6	2.8	1.0	3.01	3.52	81	93	W	3	W	2	5	10	240	Cloudy and squally, with showers.
28	29.55	29.45	55.1	58.8	50.7	60.2	0.9	1.6	4.07	4.46	94	90	SW	3	SW	5	10	10	185	Overcast, with squally showers.
29	29.45	29.44	54.9	51.8	51.0	59.3	3.1	1.9	3.45	3.36	79	88	SW	3	SW	2	5	6	070	Cloudy and squally, with showers.
30	29.28	29.24	52.9	51.8	49.0	58.1	2.0	3.0	3.46	3.08	87	80	S	3	S	1	10	10	290	Overcast, with showers.
Mean	29.623	29.633	54.0	53.6	49.7	60.7	2.1	1.9	3.62	3.62	86.1	87.2	2.0	2.2	7.5	6.4	4.714			

WOLFELEE.—SEPTEMBER 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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.	54.5	52.0	50.0	59.0	0.9	2.9	ins.	ins.	%	%	SW	SW	—	—	ins.
2	28.84	28.74	54.5	49.0	47.0	60.0	4.4	0.9	.399	.315	94	81	SW	SW	—	—	770
3	28.80	29.08	54.0	49.0	47.0	60.0	4.4	0.9	.301	.325	72	94	SW	SW	—	—	—
4	29.26	29.30	53.0	45.0	40.0	63.0	2.9	0.4	.325	.289	81	97	W	W	—	—	.030
5	29.29	29.34	56.0	40.0	41.0	64.0	3.4	0.4	.355	.301	79	97	NW	SW	—	—	.020
6	29.32	29.14	54.0	53.5	45.0	59.0	1.9	0.9	.363	.384	87	93	NW	NW	—	—	.870
7	29.00	29.04	53.0	50.0	47.0	60.2	2.9	1.4	.325	.324	81	90	NW	W	—	—	.090
8	29.24	29.37	52.0	45.0	44.0	63.0	3.4	0.9	.301	.277	78	93	W	W	—	—	.130
9	29.36	29.43	50.5	47.0	37.0	62.0	0.4	0.4	.356	.453	97	97	S	S	—	—	.060
10	29.45	29.46	62.8	54.5	53.0	67.0	1.7	0.9	.513	.399	90	94	S	SW	—	—	—
11	29.45	29.46	65.0	54.5	49.0	78.0	4.4	0.9	.466	.399	76	94	SW	SW	—	—	—
12	29.48	29.38	65.0	58.0	49.0	77.0	3.4	1.4	.497	.439	81	91	SW	SW	—	—	—
13	29.34	29.31	63.0	56.5	52.0	70.0	2.4	1.4	.493	.415	86	91	SW	SW	—	—	—
14	29.30	29.13	57.0	65.0	47.0	78.0	0.9	3.9	.437	.481	94	79	W	SW	—	—	.040
15	29.09	29.20	63.0	44.5	44.0	65.0	1.9	1.4	.509	.261	89	89	SW	SW	—	—	.480
16	29.37	29.47	54.0	52.0	42.0	60.0	4.4	1.9	.301	.338	72	87	NW	W	—	—	—
17	29.47	29.41	56.0	56.0	51.0	59.0	2.9	1.4	.368	.408	82	91	SW	SW	—	—	—
18	29.25	29.17	56.5	58.0	53.0	63.0	3.4	1.4	.361	.439	79	91	SW	SW	—	—	—
19	29.10	29.18	57.0	51.0	50.0	64.0	2.4	0.9	.394	.351	85	94	W	W	—	—	—
20	29.24	29.27	56.0	53.5	45.0	62.0	3.4	1.4	.355	.379	79	90	W	SW	—	—	.240
21	29.12	29.04	49.5	47.5	45.0	53.5	0.4	1.4	.343	.294	97	90	NE	NE	—	—	2.290
22	28.89	29.15	44.5	48.0	41.0	48.5	0.9	0.4	.273	.325	93	97	ENE	ENE	—	—	1.920
23	29.31	29.42	47.0	44.5	43.0	51.0	0.9	0.9	.301	.273	94	93	ENE	NE	—	—	.020
24	29.50	29.51	47.0	48.5	32.0	61.0	1.4	0.9	.289	.319	90	93	N	SE	—	—	—
25	29.37	29.35	52.5	51.5	44.0	59.0	2.4	1.4	.331	.344	84	90	SW	SW	—	—	.010
26	29.43	29.14	54.0	55.5	41.0	62.0	1.9	2.4	.363	.373	87	85	SW	SW	—	—	.360
27	28.83	28.84	53.0	50.0	46.0	57.5	2.4	2.9	.357	.288	84	81	SW	SW	—	—	.180
28	29.01	29.26	51.0	50.0	44.0	57.0	3.9	1.9	.278	.312	75	87	W	W	—	—	—
29	29.14	29.11	56.0	56.0	47.0	60.0	2.9	1.4	.368	.408	82	91	SW	W	—	—	.540
30	29.06	29.06	52.5	52.5	49.0	58.5	1.4	2.4	.357	.331	90	84	W	SW	—	—	.020
31	28.66	28.86	52.0	52.0	45.5	58.0	1.9	0.4	.338	.327	87	97	SW	SW	—	—	.300
Mean	29.192	29.211	54.7	51.9	45.5	62.3	2.4	1.4	.367	.354	84.8	90.7	—	—	—	—	8.370

CRONKBOURNE (DOUGLAS, ISLE OF MAN).—SEPTEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	57.9	55.8	54.0	58.9	4.6	3.8	.351	.342	73	70	SW 6-8	WSW 6-7	9	6	ins.	[noon. Dull, with 'squally' showers.
2	29.42	56	55.0	53.8	52.5	60.0	3.2	2.4	.344	.347	80	83	WSW 5-6	WSW 3	8	3	—	Dull, with squally a. Fine after-noon.
3	77	82	56.4	55.4	38.8	62.2	4.5	0.4	.333	.427	73	97	SW 3	SSE 3	7	7	2.58	Fine day. ☀️ n. ☀️
4	79	84	60.2	50.2	45.2	60.8	0.9	0.4	.492	.353	95	98	S 2	NW 1	4	2	.079	☀️ a. Cloudy day. ☀️ p.
5	88	87	54.0	56.0	48.7	56.5	0.3	1.0	.409	.419	98	93	WSW 4	SW 5-6	10	10	7.52	Overcast, with squally ☀️.
6	56	68	54.0	52.8	49.0	60.2	0.4	2.8	.406	.325	97	81	W 5	WNW 4	7	0	—	☀️ a. Fine day.
7	83	82	57.7	55.8	45.0	61.7	4.1	0.9	.360	.419	76	93	NW 1	ESE 3	1	10	6.02	☀️ a. Very fine. ☀️ at night.
8	83	91	58.1	59.2	53.2	59.2	0.1	0.2	.481	.497	99	99	SSW 3	S 4	10	10	1.53	Overcast, with ☀️ (mist) ☀️
9	92	92	62.3	52.0	51.2	66.0	2.0	0.5	.493	.375	88	97	SSE 3	N 2	9	2	—	Dull day. ☀️ p. [showers.]
10	95	95	65.3	54.2	48.2	73.0	4.9	1.0	.455	.391	74	93	SSE 1	N 1-2	0	2	—	☀️ (mist) ☀️ a. Very fine. ☀️ p.
11	99	95	63.9	55.2	49.2	71.5	3.1	0.7	.487	.415	82	96	ESE 1	N 1	0	3	—	☀️ (mist) ☀️ a. Very fine. ☀️ p.
12	94	85	69.0	55.0	48.0	75.7	5.5	1.2	.521	.397	71	92	Calm	Calm	0	0	—	☀️ (mist) ☀️ a. Very fine. ☀️ p.
13	73	60	64.8	59.8	50.2	70.1	3.8	2.0	.481	.450	79	88	E 3	N 2	3	8	0.83	☀️ (mist) ☀️ a. Dull day. ☀️ n.
14	59	29.77	55.8	46.9	45.0	60.0	1.4	0.4	.405	.312	90	88	NW 5	Calm	0	10	0.10	Overcast, with ☀️ ☀️ a. Fine after-noon.
15	29.94	30.06	58.7	57.0	45.5	61.0	2.2	1.6	.426	.417	87	89	NW 5	W 4	3	10	—	☀️ a. Fine day. [noon. ☀️ p.]
16	30.07	29.96	57.4	58.0	55.5	59.8	1.9	2.0	.415	.421	88	87	WNW 4	WSW 3	10	10	—	Dull day.
17	29.81	70	58.7	58.0	55.7	61.2	1.3	0.5	.453	.467	92	97	SW 5	SW 3	10	10	0.58	☀️ a. Dull day. ☀️ p.
18	69	72	58.7	57.0	56.4	63.0	1.4	3.0	.450	.377	92	81	WSW 4	WSW 4	8	4	—	☀️ a. Dull day. ☀️ p.
19	79	75	57.8	53.2	50.2	61.0	2.1	0.5	.415	.391	86	97	W 3-4	N 2	7	10	7.18	Fine day. ☀️ n. [showers.]
20	60	61	52.5	51.0	40.7	54.6	0.5	0.8	.381	.353	97	94	NNE 2	NNW 3	10	10	1.057	☀️ a. and n. Overcast, with ☀️
21	56	65	48.8	48.5	46.2	52.0	0.5	1.0	.333	.316	96	94	NNW 6-7	N 5	10	8	1.174	Overcast, with squally ☀️
22	71	90	53.4	50.0	47.8	57.5	1.4	2.8	.377	.291	82	81	ENE 5	NE 3	8	7	—	☀️ a. Cloudy day.
23	98	96	55.0	56.0	44.8	59.6	2.7	2.0	.357	.391	83	87	SE 3-4	SE 3	9	3	3.73	☀️ a. Fine afternoon.
24	86	93	56.8	54.9	52.1	61.0	1.3	2.6	.423	.358	91	84	SSW 4	W 3	10	2	0.01	☀️ p.
25	96	93	56.8	58.7	47.5	59.5	1.0	1.5	.431	.447	93	91	SSW 2	SW 6-7	8	10	3.42	☀️ a. Cloudy day. Squally ☀️ n.
26	42	47	56.8	52.8	51.2	58.8	3.8	3.1	.354	.318	76	79	W 6-7	WSW 5-6	4	1	—	Fine day, with squally ☀️.
27	66	85	53.7	54.0	51.0	57.0	1.4	2.0	.373	.360	90	86	W 6-7	WSW 4	8	4	0.28	Squally ☀️ ☀️ showers, noon.
28	74	68	58.0	57.7	51.2	58.7	0.6	1.0	.463	.446	96	93	SW 6-8	SW 7-8	10	10	2.92	Squally ☀️.
29	60	60	56.0	53.0	52.0	59.5	0.5	2.3	.434	.340	97	84	WSW 3	W 2	10	4	0.10	Dull a. Fine afternoon.
30	29.46	29.37	56.2	53.6	47.2	56.8	2.2	2.2	.388	.350	85	85	SSW 6	SW 4	10	10	6.28	Dull and overcast, with squally ☀️.
Mean	29.731	29.744	57.7	54.5	49.4	61.2	2.1	1.6	.416	.384	87.2	89.8	3.9	3.3	7.1	6.1	6.646	

STONYHURST.—SEPTEMBER 1891.

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.

1	28.81	28.94	58.5	55.7	54.9	61.9	4.5	3.7	360	343	73	77	SSW 5	SW 4	9	9	0.34	Overcast and cloudy, with squally showers. ☀️ a. Sunny p. ☀️ 3.30 p. ☀️ 5 p.
2	29.20	29.42	55.3	50.0	49.1	59.5	4.2	1.2	325	320	74	92	SW 4	SW 1	10	0	0.198	☀️ (mist) ☀️ a. Sunny p. ☀️ 3.30 p. ☀️ 5 p.
3	57	56	55.7	50.5	45.1	62.2	4.1	2.1	333	314	75	86	SbyE 1	Calm	0	4	0.040	☀️ (mist) ☀️ a. Sunny p. ☀️ 3.30 p. ☀️ 5 p.
4	57	61	55.6	53.9	48.9	61.2	3.1	1.4	357	376	80	91	SEbE 1	Calm	0	9	0.075	☀️ (mist) ☀️ a. Sunny p. ☀️ 3.30 p. ☀️ 5 p.
5	68	56	56.0	55.0	52.0	62.1	2.6	3.2	375	344	83	80	sw b.w.2	SbyW 3	10	10	7.775	Overcast.
6	34	41	54.8	52.7	49.0	58.1	1.2	2.8	396	325	92	81	SSW 4	SW 1	10	0	4.555	Overcast, with ☀️ a. Fine and sunny p.
7	57	61	55.0	50.6	44.7	59.8	3.9	3.1	327	292	76	79	WSW 2	swb.N 1	4	10	2.05	☀️ a. Fine and sunny. ☀️ p.
8	65	71	57.0	62.1	50.5	65.1	0.4	3.7	453	438	97	78	Calm	SbyW 1	10	10	—	☀️ (mist) ☀️ a. Overcast.
9	73	74	63.7	63.1	56.4	71.9	4.1	3.5	454	461	76	79	SbyE 1	Calm	0	5	—	☀️ a. Fine and sunny. ☀️ p.
10	75	73	65.4	63.0	54.4	76.3	6.3	3.2	416	468	67	81	Calm	Calm	0	0	—	☀️ a. Fine and sunny. ☀️ p.
11	76	74	63.3	63.0	53.4	74.6	3.7	2.5	458	490	78	85	Calm	NNE 1	1	0	—	Sunny day. ☀️ p.
12	72	66	63.4	62.4	51.7	75.0	3.5	2.9	466	467	80	83	Calm	Calm	0	0	—	☀️ a. Fine and sunny. ☀️ p.
13	54	38	65.0	64.6	54.3	75.3	4.9	4.2	450	465	74	77	NNE 1	SEbE 1	0	1	0.013	☀️ a. Fine and sunny. ☀️ p.
14	32	53	60.2	51.6	51.0	64.9	1.1	3.6	485	292	94	76	WbyN 1	swb.w.2	10	0	2.15	☀️ a. Overcast and cloudy. ☀️ p.
15	67	84	52.5	53.4	47.3	58.7	1.0	2.4	368	342	93	84	swb.w.1	SSW 1	10	10	—	Overcast, with ☀️ (mist) ☀️ a.
16	84	75	56.2	57.0	52.4	58.4	2.8	1.6	372	417	82	89	WSW 2	WSW 2	10	10	1.98	Overcast.
17	63	51	57.2	57.1	53.7	53.9	1.2	0.6	431	449	92	96	swb.w.2	WSW 2	10	10	3.80	Overcast, with ☀️.
18	46	50	58.4	58.0	55.7	61.5	1.9	1.1	430	448	88	92	WbyS 3	WbyS 1	10	10	—	Overcast.
19	56	56	58.4	51.5	50.7	59.6	4.2	1.5	367	341	75	89	WbyS 1	Calm	0	7	7.746	Overcast.
20	29	30	50.1	47.6	46.5	52.0	1.0	1.1	336	393	93	93	NbyN 1	Calm	0	9	2.50	☀️ a. Overcast.
21	17	39	46.8	50.0	44.7	52.0	2.6	3.8	259	269	81	75	WNW 4	NNE 2	10	10	1.40	Overcast, with ☀️.
22	49	64	52.4	48.8	48.4	54.7	2.4	2.8	330	278	84	80	NbyE 2	NbE.N 1	10	10	—	Overcast.
23	77	79	53.2	51.2	45.0	57.9	3.2	3.1	320	299	79	80	NE 1	Calm	0	9	100	Sunny, then overcast.
24	70	74	52.8	54.1	48.8	59.6	1.8	2.1	350	359	87	85	SWb.S 1	WbyS 1	10	10	1.00	Overcast, with ☀️ a.
25	77	55	54.6	57.7	50.8	63.6	1.6	2.0	380	417	89	87	Calm	SbyW 2	10	10	4.60	☀️ a. and p.
26	24	35	54.5	51.3	49.4	58.9	2.5	2.5	354	315	83	83	SWb.S 3	WbyS 4	3	10	0.84	☀️ a. Squally ☀️ a. and p.
27	42	62	54.6	53.2	50.6	56.6	4.8	3.2	301	320	71	79	W 4	WbyS 2	10	10	—	☀️ a. Cloudy, with squally ☀️ a. and p.
28	60	55	55.0	55.2	50.5	63.6	2.9	2.9	352	355	82	82	swb.w.1	SbyW 2	10	10	—	☀️ a. Cloudy day.
29	42	41	55.8	50.6	50.0	57.7	2.1	1.6	387	327	86	89	SbyW 3	SW 1	10	0	1.98	Overcast, with ☀️.
30	29.34	29.20	54.7	55.5	47.3	57.9	3.9	3.4	323	347	76	79	SbyW 3	S 4	7	10	3.82	Overcast. ☀️ in evening.
Mean	29.518	29.538	56.5	55.0	50.2	62.2	2.9	2.6	377	356	82.0	83.6	1.8	1.3	7.5	6.8	4.948	

HILLINGTON.—SEPTEMBER 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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.	62.2	56.2	54.6	65.9	5.7	4.0	in.	in.	75	75	SW 5	SW 7	6	0	—	☀️ p.
2	29.42	56	58.6	51.0	51.0	65.5	3.2	1.3	381	348	78	91	SW 5	S 1	8	0	—	☀️ p.
3	74	84	57.0	55.6	42.0	65.6	3.2	0.8	371	410	80	95	S 1	NE 1	4	8	—	☀️ ² p.
4	29.95	29.98	53.8	51.8	48.5	67.4	0.6	1.1	397	356	95	92	SW 2	SW 2	10	0	—	☀️ ² a. and p.
5	30.05	30.02	56.5	54.8	47.5	66.6	1.8	3.0	404	340	88	81	SW 1	SW 2	8	0	—	☀️ ² a.
6	29.87	29.79	57.5	53.5	47.5	64.4	3.0	0.6	385	393	81	95	SW 4	SW 2	3	10	0.80	Very fine and sunny till 11 a. ☀️ ⁰ from 4.
7	29.89	30.00	57.3	49.1	42.0	62.5	3.4	1.0	370	301	79	86	SW 2	SW 1	0	0	—	Very fine and sunny. Much cir.
8	30.05	30.08	53.0	57.5	48.0	74.0	3.3	0.7	462	453	81	96	SW 2	SSE 1	8	0	—	Very fine and sunny. ☀️ ² p.
9	30.10	30.11	64.0	59.5	46.2	79.2	4.3	2.8	451	421	75	83	SE 1	SE 0.5	4	0	—	Very fine and sunny. Much cir. ☀️
10	30.10	30.04	70.4	55.5	53.2	82.2	6.8	1.2	489	406	66	92	SSE 1	SW 0.5	0	0	—	☀️ ² a. Very fine, sunny and hot. ☀️
11	30.05	30.06	67.4	58.5	46.0	81.1	4.4	0.8	509	465	76	95	SE 1	SE 1	0	0	—	Very fine, sunny and hot. ☀️
12	30.05	30.04	69.0	62.5	47.2	79.3	4.2	3.5	546	449	77	79	SE 1	SE 2	0	0	—	Very fine, sunny and hot. ☀️ ² p.
13	29.85	29.75	68.4	65.1	54.5	80.5	6.2	4.5	470	464	67	75	SE 2	SE 2	0	10	—	Very fine, sunny and hot. Much cir.
14	29.65	29.87	66.8	51.5	49.0	70.6	3.0	2.4	545	519	83	84	SE 1	W 3	10	2	2.30	☀️ ⁰ showers.
15	30.02	30.06	54.9	52.5	40.8	63.6	3.2	2.4	343	331	79	84	S 2	SW 2	4	0	—	Fine and sunny till 11 a., then cloudy
16	30.17	30.12	58.5	55.4	41.8	68.5	3.8	1.7	378	388	77	89	NW 1	S 1	6	8	—	Overcast p.
17	30.00	29.86	59.5	59.5	48.0	66.6	3.7	1.9	397	447	78	89	SW 4	W 4	6	10	—	Cloudy from 3 p.
18	29.80	29.82	66.8	56.2	58.0	74.0	3.0	1.5	545	546	83	91	S 2	SW 2	10	8	1.70	Overcast a. Cloudy with ☀️ showers.
19	29.87	29.89	66.6	64.1	56.1	65.7	0.5	0.8	511	425	97	94	S 1	S 1	10	10	2.40	☀️ showers. Overcast all day.
20	29.65	29.52	63.5	53.2	52.2	66.4	2.7	1.0	491	377	84	93	W 2	S 2	4	10	1.40	Overcast, with ☀️ ⁰ p.
21	29.53	29.48	50.4	47.2	46.5	56.4	1.6	1.0	324	301	90	93	S 3	S 1	10	8	0.70	☀️ ⁰ 3 p.
22	29.68	29.90	56.5	51.5	43.6	62.3	2.5	1.2	384	349	84	91	NE 3	NE 0.5	4	0	1.50	Very fine and sunny. ☀️ ⁰ n.
23	29.98	30.12	57.8	54.1	50.0	59.6	3.0	0.4	389	407	82	97	NE 3	NE 1	8	4	0.50	Overcast, with ☀️ showers from 11 a.
24	30.14	30.08	55.8	57.5	48.0	65.2	1.5	2.4	401	401	90	85	SW 2	S 2	3	0	—	Overcast from 1 p.
25	30.14	29.97	55.8	57.8	56.8	61.9	0.9	2.1	418	415	94	86	S 1	S 0.5	6	0	—	Cloudy day.
26	29.71	29.70	59.0	53.0	53.0	62.4	4.7	2.1	362	345	73	85	SW 4	SW 5	8	6	—	Cloudy day.
27	29.73	29.08	55.1	50.2	47.2	61.0	3.4	3.4	340	279	78	78	SW 5	SW 1	0	0	0.40	Very fine and sunny. ☀️ ⁰ n.
28	30.00	29.92	55.4	55.5	45.4	66.4	1.2	2.6	403	366	92	83	SW 2	SW 4	4	0	—	
29	29.90	29.77	59.1	59.0	49.2	67.2	2.3	2.5	428	421	86	85	SW 4	SW 3	4	10	—	
30	29.82	29.62	57.0	54.2	46.2	64.4	2.5	2.2	391	358	84	85	SW 3	SW 2	0	0	0.90	☀️ at night.
Mean.	29.886	29.888	59.9	55.4	48.5	67.9	3.1	1.9	422	388	81.6	87.6	2.4	1.9	4.9	3.5	1.260	

CARMARTHEN.—SEPTEMBER 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.	60.3	57.3	55.0	61.2	5.4	4.9	in.	in.	%	%					ins.	Stormy day.	
2	29.19	29.37	60.3	57.3	55.0	61.2	5.4	4.9	.362	.334	70	71	S	7	SW	7	7	—	
3	53	67	57.8	47.6	47.0	63.8	4.4	1.0	.353	.305	74	93	SW	3	Calm	0	8	0	Fine day.
4	75	72	59.3	53.1	41.2	65.2	5.9	1.7	.386	.357	76	88	S	1	SW	1	7	4	6.50
5	77	84	55.3	55.0	48.9	63.2	1.2	1.1	.401	.400	92	92	SW	1	SW	1	5	10	0.40
6	95	85	56.7	56.5	50.5	61.7	5.3	2.6	.317	.379	68	83	SW	2	SW	3	5	10	0.50
7	68	71	60.8	48.8	48.0	61.5	3.5	0.4	.422	.335	80	97	SW	5	Calm	0	8	0	4.80
8	80	77	50.3	58.3	40.7	62.6	0.2	0.5	.360	.470	98	97	E	1	SW	1	10	10	3.70
9	85	87	60.8	59.8	56.6	67.2	1.7	0.5	.475	.498	90	97	S	2	S	1	10	10	0.30
10	89	86	66.0	62.8	55.5	75.4	5.9	4.3	.437	.430	69	76	SE	2	Calm	0	5	0	—
11	90	88	72.9	63.0	57.8	81.8	8.1	2.9	.496	.475	61	83	Calm	0	Calm	0	0	0	—
12	92	89	67.5	61.2	50.5	79.1	5.6	2.6	.472	.456	71	85	Calm	0	E	1	0	0	—
13	86	77	69.9	63.4	51.1	79.9	6.6	2.1	.485	.509	67	88	Calm	0	Calm	0	0	0	—
14	62	52	72.4	63.6	56.6	78.8	7.1	2.5	.516	.500	65	86	E	2	S	1	7	5	0.10
15	57	29.81	59.0	50.1	49.8	64.4	1.2	0.9	.461	.359	93	93	N	1	Calm	0	10	0	1.10
16	29.92	30.11	59.0	54.2	47.6	61.9	2.8	1.8	.413	.369	83	88	NW	1	SW	1	9	10	0.20
17	30.13	30.03	57.1	54.9	53.8	63.6	3.4	0.5	.367	.416	79	97	W	1	SW	1	10	2	0.20
18	29.94	29.75	59.2	59.3	54.0	63.2	0.5	0.3	.485	.494	97	98	SW	2	SW	4	10	10	4.60
19	76	75	59.8	59.6	57.8	65.6	0.3	0.3	.503	.500	98	98	SW	1	SW	1	10	10	3.00
20	80	64	58.8	53.7	53.3	63.9	1.5	0.3	.449	.404	91	98	SW	1	N	1	10	10	7.30
21	50	61	60.0	51.7	50.5	60.0	5.1	2.3	.366	.324	71	85	N	1	NW	2	6	10	1.50
22	59	53	51.9	50.3	45.7	57.6	1.9	1.3	.336	.330	87	91	NW	2	N	4	7	10	4.80
23	68	79	56.2	50.9	49.5	63.1	4.3	1.5	.333	.334	74	90	N	2	E	1	6	6	0.10
24	91	93	57.0	52.7	45.2	64.4	3.6	1.1	.362	.367	77	92	E	1	Calm	0	5	1	2.30
25	89	90	54.7	55.7	51.8	65.9	0.3	1.1	.419	.412	98	93	S	2	SW	1	10	8	0.30
26	96	70	58.5	58.8	51.4	61.2	1.0	2.7	.431	.413	88	84	S	1	SW	4	10	8	3.80
27	58	61	59.0	54.7	52.8	60.0	3.6	3.1	.391	.343	78	80	SW	5	SW	4	8	10	1.30
28	80	92	55.7	50.3	48.9	61.6	4.7	0.9	.317	.342	71	94	W	3	Calm	0	6	0	—
29	91	81	60.3	58.2	48.2	61.4	3.0	1.7	.428	.433	82	89	SW	4	SW	4	9	10	1.00
30	65	66	58.6	49.7	49.3	60.0	0.7	0.3	.470	.349	96	98	SW	6	Calm	0	10	0	2.00
31	29.57	29.38	58.4	57.8	46.2	63.0	5.4	2.2	.386	.412	79	86	SW	5	SW	5	9	10	6.60
Mean	29.761	29.754	59.8	55.8	50.5	65.4	3.4	1.6	.413	.401	80.8	89.7	2.2	1.6	7.2	5.7	5.540		

MARGATE.—SEPTEMBER 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

1	29.45	29.56	60.3	57.5	57.4	66.8	1.6	3.2	470	378	90	81	SSW	4	W	4	7	0	—	Squally a.
2	75	85	60.2	56.0	52.2	67.0	4.4	0.7	388	427	74	95	SW	2	W	1	7	10	0.020	Fine day.
3	97	79	59.0	58.0	52.4	61.0	2.8	1.8	413	427	83	88	Calm	0	Calm	0	10	10	0.060	0.
4	29.99	30.04	59.2	53.9	50.4	67.5	4.1	2.4	379	349	76	85	SW	1	SW	1	3	0	—	Very fine.
5	30.07	30.06	59.8	54.1	50.2	65.7	4.3	2.0	382	362	75	86	SW	1	W	1	1	0	—	Very bright.
6	29.97	29.78	59.0	59.0	47.4	62.9	5.2	6.2	349	327	70	65	SW	2	W	1	8	0	0.010	Fine day.
7	29.98	30.04	58.0	56.8	54.2	63.4	3.5	0.8	379	437	79	94	W	1	Calm	0	5	0	0.010	Fine day.
8	30.06	11	63.8	57.3	55.2	71.8	3.8	1.1	462	436	78	92	S	1	Calm	0	3	0	—	Very bright.
9	13	11	67.8	63.6	55.9	73.3	8.1	3.6	407	465	60	79	S	1	S	1	0	0	—	Fine day.
10	11	04	70.0	62.0	60.7	71.0	3.9	1.4	578	507	79	92	SE	1	SE	1	0	0	0.010	Very fine.
11	05	30.06	61.0	59.3	51.4	72.2	1.0	2.1	501	437	94	87	E	1	Calm	0	10	0	—	Very fine.
12	30.06	29.96	69.4	64.3	57.5	72.9	5.4	4.2	514	459	71	77	S	1	Calm	0	0	0	—	Very fine.
13	29.86	75	65.6	66.2	59.4	73.7	5.0	3.1	457	529	73	83	SE	1	SE	1	0	10	0.020	Very fine.
14	29.65	29.88	65.1	59.7	59.0	69.8	2.1	4.2	543	385	87	75	S	2	E	3	10	10	—	Very fine.
15	30.10	30.14	59.0	55.5	46.5	65.0	5.4	0.8	344	416	69	95	W	1	S	1	2	0	0.060	Dull day. T
16	22	30.18	57.8	56.9	48.2	64.6	4.6	1.3	349	424	73	92	SW	1	SW	2	0	10	—	Dull day.
17	30.09	29.96	61.0	58.2	52.4	68.0	5.7	1.4	365	441	69	91	SW	3	SW	3	1	10	0.020	Pretty clouds.
18	29.86	89	62.3	62.1	58.0	67.0	1.9	1.1	494	518	88	93	SW	3	SW	3	10	8	0.010	Dull day.
19	95	92	62.8	59.2	58.1	67.0	1.3	1.0	524	470	92	94	W	2	SW	2	10	8	—	Dull day.
20	69	63	63.8	55.8	55.4	66.0	2.8	1.0	492	416	84	94	WSW	2	SW	3	9	10	0.010	Fine a. Dull afternoon.
21	65	53	54.1	49.6	49.4	61.5	5.0	2.0	290	305	70	86	W	4	SW	1	10	9	130	Fine day.
22	59	29.81	53.1	56.2	46.4	58.2	2.5	3.7	330	348	83	77	S	1	S	2	10	1	—	Fine day.
23	29.97	30.12	58.0	52.6	52.4	60.8	3.0	1.0	393	369	81	93	N	2	Calm	0	10	1	—	Dull day.
24	30.16	17	58.2	56.9	50.4	66.0	3.3	2.0	386	404	80	87	N	2	SSW	1	6	10	110	Fine day.
25	30.17	30.10	59.0	56.7	55.6	66.5	0.5	3.2	482	367	97	80	S	1	S	1	10	0	—	Fine day.
26	29.84	29.81	60.0	57.0	55.6	64.0	5.0	0.4	369	422	71	91	SW	4	S	3	10	10	—	Dull day.
27	29.84	30.04	56.8	50.1	49.4	62.0	5.1	2.9	393	290	70	80	W	3	SW	2	1	0	—	Very fine.
28	30.11	30.05	57.0	54.3	46.1	66.0	4.1	1.2	349	386	75	92	SW	2	SW	3	9	0	—	Fine day.
29	29.96	29.86	61.4	54.1	51.1	67.2	4.2	0.9	410	393	76	93	SW	2	W	2	0	0	—	Fine day.
30	29.84	29.77	59.0	58.1	53.4	67.0	3.0	0.9	407	456	82	93	SW	2	SW	2	1	3	—	Fine day. 9p.
Mean	29.938	29.935	60.7	57.4	53.1	66.5	3.8	2.1	418	412	78.3	87.0	1.8	1.5	5.4	4.0	0.470			

SOUTHAMPTON.—SEPTEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	63.9	57.2	57.0	65.2	4.9	2.3	432	400	72	85	SW	5.5	SW	4	9	0	ins.	[from 10a.]
2	75	84	60.5	56.0	53.9	64.0	3.8	0.9	409	422	78	94	SW	2	SW	1.5	9	1	0.027	(gale) in past n. Fine, with
3	29.93	29.89	55.6	55.8	50.8	62.3	0.5	0.9	428	420	97	94	NE	1	SW	1	10	1	0.100	showers 10a. and 2p. 2p.
4	30.00	30.05	61.7	55.1	49.2	67.1	4.7	1.2	402	399	73	91	SW	3	SW	1.5	7	0	—	early a. 2p. 2p.
5	30.11	30.08	63.6	53.4	49.9	65.0	5.1	1.7	422	361	72	89	WSW	2.5	SW	1	7	0	—	10a. Beautiful day.
6	29.97	29.89	59.2	57.7	50.0	62.7	4.2	2.2	378	412	75	86	WSW	4	SW	3.5	10	10	0.087	2p. Beautiful day.
7	29.94	30.00	58.7	57.4	54.7	63.1	1.3	0.7	452	451	92	96	SSE	0.5	SW	1	10	2	0.018	early a. and 2p. [out.]
8	30.05	09	66.3	57.7	54.8	71.5	5.3	1.0	461	447	71	94	SW	2.5	SW	1	10	0	—	a. and p. Beautiful day throughout.
9	09	07	68.6	61.3	50.0	75.9	5.7	3.5	490	430	71	79	SE	3	SSE	1	3	0	—	a. Beautifully fine and warm.
10	07	04	72.6	59.9	56.5	78.3	8.1	1.8	492	457	61	90	SE	2	NE	0.5	0	0	—	a. and p. Fine and very warm.
11	06	30.04	70.9	60.4	50.8	79.4	5.8	1.5	531	476	70	91	E	1	SE	0.5	0	0	—	a. and p. Fine and very warm.
12	30.02	29.93	71.6	62.2	51.5	80.1	5.5	2.5	556	475	72	85	E	1	NE	0.5	0	0	—	a. and p. Very warm all day.
13	29.83	71	71.9	62.5	55.5	76.8	7.9	1.1	484	527	61	93	SE	1	ESE	0.5	2	1	0.002	a. and p. Beautifully fine and
14	29.66	29.97	63.3	52.8	52.7	65.3	1.3	1.8	535	350	92	87	SW	1	W	1	10	0	0.098	Dull, with a. Fine p. [very warm.
15	30.11	30.21	57.1	55.0	46.9	65.6	1.8	2.1	413	372	88	86	SW	2.5	NW	2	10	2	0.034	ga.—11a., then fine.
16	29	21	51.6	56.8	44.1	62.0	1.0	1.1	356	429	93	93	SW	0.5	SW	1	10	7	—	2 a.
17	30.14	30.01	62.5	59.5	55.0	67.6	3.9	1.5	437	460	77	91	W	3	SW	3.5	7	10	0.163	Fine and pleasant. from 9p.
18	29.91	29.95	61.7	61.3	58.7	66.3	0.6	0.5	529	525	97	97	SW	2	SW	1	10	10	0.149	n. a. and p.
19	07	00	61.4	59.3	59.1	63.2	0.4	0.3	530	495	98	98	SW	2	SW	2	10	10	0.102	showers 10a.—8p.
20	66	69	59.4	53.6	53.2	62.8	1.0	1.3	476	375	94	91	SSW	3.5	WNW	1.5	10	10	0.020	showers.
21	72	56	57.4	49.1	47.7	62.3	4.4	1.2	347	319	73	91	W	3	WSW	3	5	10	0.123	a. and p.
22	29.68	29.89	59.5	50.5	48.7	63.6	2.3	1.3	345	333	85	90	N	3.5	NNW	0.5	9	1	0.020	Fine a. 2 T 2p. 3.30p. T p.
23	30.07	30.15	54.6	52.1	46.9	64.6	1.8	0.6	375	374	89	96	NNW	2	SW	0.5	10	0	—	a. and p. Beautiful day.
24	13	15	57.5	58.7	43.9	59.7	0.6	1.1	455	459	96	93	SW	1	Calm	0	10	10	0.125	during day.
25	30.16	30.04	59.5	57.2	56.3	65.6	0.7	1.2	486	431	96	92	SW	2.5	SSE	1.5	10	0	—	Beautiful p. n.
26	29.80	29.85	60.3	54.1	54.0	65.2	1.8	2.3	465	354	89	84	SSW	4.5	SW	2	10	0	0.030	ga.—11a., then fine and dry.
27	29.93	30.09	59.5	50.2	49.9	64.8	4.3	1.6	379	322	74	89	WNW	1	W	1.5	6	0	—	Beautiful day throughout. n.
28	30.13	30.06	58.0	55.2	47.0	65.8	3.1	1.6	390	390	81	99	SW	2.5	SW	1.5	9	0	—	a. and p. Beautiful day.
29	29.93	29.83	61.7	60.5	48.7	67.4	3.0	1.2	453	487	82	93	SW	3	SW	3	8	10	0.055	2 early a. Beautiful day.
30	29.86	29.70	59.5	58.9	50.8	64.8	2.8	1.2	421	459	83	93	SW	2	SW	3	5	10	0.175	2 early a. Beautiful day. from [8p.]
Mean	29.947	29.948	61.5	56.7	51.6	67.0	3.3	1.4	444	420	81.7	90.7	2.3	1.5	7.2	3.5	1.330			

LONDONERRY.—SEPTEMBER 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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.	☁ showers.	
2	29°66	29°12	54°7	52°7	52°0	57°0	1°9	2°3	374	336	88	85	SW	5	SW	4	10	2	☁
3	29°34	53°3	45°4	47°9	61°2	3°6	1°7	340	298	77	88	SW	3	SW	2	10	0	—	Fine day.
4	72	74	53°8	51°8	45°5	67°9	3°1	1°5	330	346	79	89	S	1	S	1	1	3	☁
5	83	90	54°6	52°7	43°0	68°4	3°5	2°0	332	344	78	87	SE	1	SE	2	10	4	☁
6	80	59	54°7	53°7	50°3	58°3	1°3	1°0	391	384	92	93	SW	3	SW	3	10	10	☁
7	55	74	54°2	50°7	48°8	58°1	2°1	2°0	361	320	86	87	SW	2	W	2	6	4	☁
8	85	83	52°7	53°7	45°8	69°6	2°1	2°4	342	346	86	84	S	1	SE	1	2	0	☁
9	79	86	60°8	61°1	53°7	66°6	1°6	1°4	480	492	90	91	SSW	2	SW	1	10	2	☁
10	81	29°91	62°1	62°7	59°3	66°3	1°2	2°0	516	561	92	88	S	3	Calm	0	10	10	☁
11	29°91	30°01	64°5	61°8	54°8	71°6	4°8	1°6	445	497	74	90	SW	2	S	2	9	4	—
12	30°00	29°91	64°7	65°7	58°0	76°5	2°1	3°0	535	524	88	83	N	1	S	1	10	0	—
13	29°96	89	59°5	57°9	54°8	70°2	1°9	1°0	448	450	89	94	W	1	Calm	0	10	10	☁
14	75	60	57°7	62°7	52°6	76°8	1°2	2°0	441	501	93	88	Calm	0	Calm	0	5	10	☁
15	29°72	29°81	53°7	52°7	49°9	64°0	4°0	2°3	307	336	74	85	W	5	NW	2	3	7	☁
16	30°02	30°11	56°1	55°7	48°8	58°2	3°9	6°4	344	283	75	63	W	2	W	1	4	10	☁
17	30°06	29°92	57°6	58°3	54°8	63°4	1°9	1°3	418	446	87	91	SW	2	WSW	4	10	10	☁
18	29°77	67	59°0	59°0	56°8	61°0	1°9	1°0	454	467	89	94	SW	2	W	3	10	10	☁
19	67	72	59°6	56°1	55°0	62°0	3°2	2°2	412	387	80	85	SW	3	SW	1	10	10	☁
20	81	80	55°7	53°7	51°7	61°7	2°2	2°0	382	357	86	87	SW	2	SW	1	10	10	☁
21	74	76	51°9	48°5	47°0	58°7	1°2	1°8	354	298	92	88	N	1	N	2	5	5	☁
22	81	90	53°7	50°7	44°6	58°2	4°0	3°2	307	291	74	79	N	2	N	3	4	5	—
23	95	98	51°7	45°7	44°2	63°8	3°2	1°6	303	270	79	89	NE	1	Calm	0	3	0	—
24	96	90	54°7	53°7	41°8	63°2	3°4	1°3	336	376	78	91	S	2	S	1	9	10	☁
25	80	96	56°1	51°7	50°2	62°6	2°4	1°2	382	352	84	92	S	2	SW	1	3	2	—
26	92	43	54°6	58°3	46°7	60°1	2°6	1°9	353	429	83	87	S	2	S	5	10	7	☁
27	28	41	53°4	52°2	50°6	58°8	2°9	2°3	330	331	81	84	SW	4	W	5	10	10	☁
28	71	82	53°3	53°5	47°9	57°1	5°0	2°6	281	339	69	82	SW	4	S	2	5	10	☁
29	62	60	58°2	53°7	52°0	63°8	1°0	1°6	454	367	93	89	SW	4	SW	3	10	4	☁
30	53	56	54°0	49°9	48°8	59°6	3°1	1°4	332	323	79	91	SW	4	SW	2	5	100	☁
31	29°28	29°32	52°7	50°2	48°8	57°7	2°0	1°9	344	315	87	87	SW	3	S	3	3	10	☁
Mean	29°720	29°746	56°2	54°6	50°2	63°4	2°6	2°0	381	377	83°4	87°0	2°2	1°9	7°1	6°1	3°490		

ARMAGH.—SEPTEMBER 1891.

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.

1	28°66	29°03	56°2	51°8	51°7	58°7	5°3	0°6	*360	*370	79	95	SSW	6	SW	2	10	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
---	-------	-------	------	------	------	------	-----	-----	------	------	----	----	-----	---	----	---	----	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

MARKREE CASTLE (SLIGO).—SEPTEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.	Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.		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.	54.1	50.8	50.3	58.2	1.0	1.7	in.	in.	93	88	SW 3	SSW 1	10	7	ins.
2	28.72	29.13	56.4	47.1	46.5	60.5	4.4	1.2	335	295	73	91	SSW 2	SSE 0.5	10	2	1.40
3	64	56	55.7	50.2	45.0	61.1	3.8	1.2	341	332	76	92	SSE 2	SE 1	7	3	0.30
4	75	87	54.0	51.0	49.2	57.9	1.0	0.9	388	351	93	94	NE 0.5	Calm 0	10	10	0.40
5	78	57	56.8	53.1	50.3	58.9	1.8	0.4	408	379	88	97	S 2	Calm 0	10	10	0.20
6	54	73	56.6	47.2	45.9	65.4	2.8	0.1	378	360	82	93	SSW 1	SSW 0.5	7	5	7.90
7	80	70	56.0	54.7	36.9	61.0	3.0	2.7	395	352	81	82	ESE 0.5	SE 2	5	10	0.10
8	72	76	61.7	60.9	52.2	65.5	1.6	1.5	495	484	91	91	SSW 1	SSE 2	10	10	1.70
9	72	83	62.2	61.2	59.0	63.9	1.3	1.2	514	500	92	93	SSE 3	SSE 0.5	10	10	2.10
10	87	94	58.1	54.7	52.2	69.1	2.1	0.8	420	406	86	95	SSE 1	Calm 0	10	10	0.10
11	92	85	64.1	65.5	53.9	75.3	2.8	3.5	501	503	84	80	SE 1	SSE 1	3	3	—
12	88	79	58.0	54.1	53.2	69.0	1.0	0.1	451	416	93	99	Calm 0	Calm 0	10	5	0.90
13	65	58	63.1	56.0	48.2	71.0	3.5	0.6	461	431	79	96	SE 2	N 1	8	10	—
14	29.70	29.72	56.2	52.0	46.1	60.7	5.8	0.4	302	377	66	97	WNW 2	SSE 1	6	10	before 9a.
15	30.01	30.09	55.6	56.1	47.7	58.3	4.5	2.1	322	399	73	86	W 2	WSW 0.5	10	10	0.70
16	30.04	29.91	59.0	57.9	54.0	61.2	2.5	1.4	422	438	85	92	SSW 1	SSW 1	10	9	0.10
17	29.75	65	58.2	58.4	56.1	60.7	0.8	0.6	460	470	95	97	SSW 1	Calm 0	10	10	0.10
18	67	70	60.1	55.0	53.4	64.7	3.0	2.1	425	372	82	86	SSW 1	S 1	9	10	0.10
19	78	73	58.2	47.3	48.6	60.1	3.8	1.3	374	318	77	91	SSW 1	Calm 0	9	10	0.10
20	69	69	54.0	47.0	39.0	56.1	2.9	1.0	337	298	81	93	NNW 1	Calm 0	9	9	0.10
21	81	86	54.0	50.0	39.1	56.6	4.2	4.9	306	247	73	69	NNW 2	N 1	8	9	—
22	89	87	54.6	48.2	39.2	61.0	4.9	2.0	298	258	71	86	NE 0.5	S 1	6	2	—
23	84	77	53.7	53.4	43.6	57.0	2.8	0.9	337	383	81	94	SSE 2	S 2	9	10	0.10
24	76	91	55.6	47.2	46.8	63.0	1.6	0.8	396	305	89	95	S 1	SSE 0.5	10	4	2.20
25	80	41	54.1	54.2	42.1	60.3	2.1	2.0	359	364	85	86	SSE 2	SSW 2	8	8	—
26	33	46	53.9	51.9	47.9	58.7	2.8	3.2	338	306	82	79	SSW 3	SW 2	10	10	1.50
27	75	77	54.5	53.5	47.8	56.6	4.4	2.4	308	343	73	84	WSW 2	SSE 1	9	10	0.80
28	60	56	59.3	52.4	52.0	63.2	0.5	0.8	489	371	97	94	SSW 2	S 2	10	10	1.80
29	52	52	57.7	49.7	48.0	60.4	4.1	1.3	361	323	76	91	S 2	S 2	7	2	0.30
30	29.25	20.27	54.0	46.3	46.0	58.3	2.9	0.4	337	305	81	97	SW 1	Calm 0	10	10	0.20
Mean	29.684	29.695	57.0	52.9	47.9	61.6	2.8	1.5	387	366	82.6	90.3	1.5	0.9	8.7	7.9	2.620

DUBLIN (PHŒNIX PARK).—SEPTEMBER 1891.

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.

Monthly Collection, 1922.

1	28°'00	29°'17	58°'4	53°'8	53°'1	59°'9	5°'9	2°'6	326	*343	67	82	SW	4	SW	2	8	1	*200	Cloudy a. ☉ ² showers p.
2	29°'42	*62	54°'4	48°'0	46°'1	61°'1	5°'9	2°'1	319	*282	75	85	SW	2	Calm	0	9	1	*020	Cloudy, with ☉ ⁰ showers.
3	*69	56°'4	47°'4	39°'5	62°'3	4°'9	1°'1	324	*301	71	92	SSW	1	Calm	0	7	1	*015	Cloudy a.	
4	*72	*80	57°'1	52°'7	40°'6	64°'4	4°'2	1°'1	348	*367	75	92	Calm	0	Calm	0	9	1	*010	Cloudy day.
5	*89	*65	56°'2	50°'1	47°'1	59°'1	3°'8	2°'3	347	*385	76	85	SW	1	SSW	3	10	3	*385	
6	*58	*73	52°'5	49°'7	48°'7	62°'0	2°'3	2°'5	333	*295	84	83	WSW	1	Calm	0	2	0	—	Beautiful day from 10a.
7	*51	*75	58°'6	53°'4	40°'1	60°'7	3°'8	0°'7	355	*383	72	95	Calm	0	Calm	0	1	10	*060	Beautiful day till 4p.
8	*76	*82	63°'3	59°'6	52°'8	67°'1	3°'8	1°'0	455	*479	78	94	SW	1	Calm	0	10	3	—	Cloudy day.
9	*82	*85	61°'9	56°'7	53°'5	69°'7	5°'1	5°'7	395	*308	71	66	S	1	Calm	0	10	4	—	Dull a. Cloudy p.
10	*87	*94	68°'2	58°'0	50°'1	77°'6	5°'9	0°'5	476	*467	69	97	Calm	0	Calm	0	1	1	—	Beautiful day.
11	*94	*89	67°'0	53°'6	48°'7	77°'0	4°'1	0°'2	512	*405	78	99	Calm	0	Calm	0	0	1	—	Beautiful day. ☉ ² p.
12	*88	*80	64°'8	55°'6	41°'6	72°'9	5°'1	0°'2	442	*437	73	99	Calm	0	Calm	0	1	1	—	Beautiful day.
13	*66	*56	66°'7	58°'1	51°'5	72°'3	3°'4	0°'5	530	*468	81	96	Calm	0	Calm	0	4	4	*510	Cloudy day. ☉ ² a. and p. < p.
14	*67	29°'76	54°'4	50°'8	49°'7	61°'3	1°'9	3°'2	370	*302	88	79	WNW	1	Calm	0	4	5	*010	< a. Beautiful day.
15	29°'09	30°'10	56°'0	55°'7	49°'6	61°'8	3°'8	1°'9	345	*390	76	88	W	1	WSW	1	2	8	*005	Bright a. Cloudy p.
16	30°'09	29°'07	57°'6	56°'4	53°'5	61°'7	2°'4	3°'0	404	*369	84	81	SW	1	SW	1	8	6	—	
17	29°'82	*71	61°'6	60°'4	55°'8	63°'8	3°'4	1°'7	438	*469	80	90	SW	2	WSW	2	8	9	*030	Cloudy, with ☉ ⁰ showers.
18	*72	*74	58°'4	54°'5	53°'2	64°'4	2°'6	2°'8	410	*347	84	81	SW	1	SW	1	6	4	—	
19	*80	*74	58°'7	52°'7	48°'2	62°'8	2°'9	1°'4	406	*359	82	92	SW	1	Calm	0	6	6	*460	Bright a. Cloudy p.
20	*62	*68	52°'0	45°'1	43°'5	59°'9	1°'9	2°'0	338	*254	87	85	NW	1	Calm	0	8	1	*030	
21	*69	*75	52°'3	49°'8	44°'3	57°'5	3°'1	3°'3	312	*278	79	79	NW	1	NW	1	4	7	—	Cloudy a.
22	*84	*88	50°'1	49°'6	47°'0	56°'6	1°'7	1°'8	318	*310	88	88	Calm	0	Calm	0	9	4	—	Cloudy a. Bright p.
23	*91	*87	57°'6	54°'0	38°'7	63°'7	3°'7	2°'3	369	*352	78	84	SE	1	Calm	0	1	10	*200	Beautiful day. ☉ ² n.
24	*81	*91	60°'2	51°'6	50°'2	65°'4	4°'4	2°'0	388	*330	74	86	WSW	1	Calm	0	1	1	*075	☉ ² sp.
25	*91	*52	58°'3	59°'6	41°'0	63°'1	3°'9	2°'8	373	*423	76	83	W	1	S	5	1	8	*225	Bright a. Cloudy, with squally ☉ ² p.
26	*42	*49	54°'9	49°'7	48°'6	60°'4	3°'2	2°'0	344	*307	79	87	SW	3	WSW	2	1	7	*080	Bright a. Cloudy, with ☉ ² showers p.
27	*86	54°'4	50°'1	47°'2	60°'0	4°'6	2°'6	303	*297	71	82	W	2	SW	1	4	1	—	Bright a. Cloudy p.	
28	*71	*64	59°'0	60°'1	49°'5	1°'3	2°'4	399	*443	80	85	SW	3	SSW	4	6	4	*045	Cloudy, with squally ☉ ¹ p.	
29	*60	*59	57°'1	48°'3	46°'8	62°'6	3°'8	1°'8	358	*294	77	88	SW	2	Calm	0	5	0	*020	Cloudy a. ☉ ¹ showers.
30	29°'37	29°'35	55°'9	49°'8	47°'2	59°'6	2°'7	2°'2	372	*302	83	85	SSW	4	SW	1	4	10	*050	Squally ☉ ⁰ a. Cloudy day.
Mean	29°'722	29°'720	58°'1	53°'4	47°'6	63°'9	3°'7	2°'0	380	*358	77°'9	86°'9	1°'2		0°'8	5°'0	4°'1	2°'520		

PARSONSTOWN (BIRR CASTLE).—SEPTEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.										Per-centage.	
	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.	57.8	53.5	50.3	59.3	4.9	2.4	ins.	ins.	% 72	% 86	SW 3	SW 2	8	4	ins.	Dull and squally, with ●.		
2	29.40	58	54.7	47.9	47.6	58.7	3.4	1.8	336	289	78	88	SW 1	Calm	8	0	0.030	—		
3	63	55.7	49.7	43.0	63.9	3.3	2.1	353	304	79	86	SE 1	Calm	0	2	0.020	Fine, bright, and warm.			
4	67	58	54.7	51.9	47.8	60.7	1.1	0.8	397	364	93	95	Calm	0	10	3	—	Dull a. Fine, bright, and warm p.		
5	85	63	55.9	55.7	47.8	57.7	2.7	1.0	372	416	83	94	SW 1	SW 2	10	10	0.630	Dull and gloomy, with ●.		
6	58	73	55.5	48.7	47.8	60.8	3.0	1.9	357	298	81	87	SW 1	Calm	0	4	0	—	Fine, bright, and warm.	
7	77	67	53.9	56.7	36.8	64.5	2.7	1.9	340	403	82	88	Calm	0	SE 1	3	10	0.118	Fine and bright. Evening dull, with ●.	
8	71	77	61.9	60.7	55.3	66.9	1.8	2.0	492	495	90	88	Calm	0	Calm	0	10	0.245	● n. Dull, gloomy, and close. [●]	
9	74	82	59.7	56.3	55.7	63.1	1.2	2.0	474	395	93	87	SE 1	Calm	0	10	4	0.038	Dull and gloomy, with ●.	
10	85	91	61.7	59.7	51.9	72.7	2.8	1.0	459	480	83	94	Calm	0	Calm	0	3	0	—	Fine, bright, and warm.
11	90	87	63.9	59.9	48.9	77.5	3.2	2.2	484	446	81	87	Calm	0	Calm	0	0	0	—	Fine, bright, and warm.
12	85	77	60.9	61.7	49.8	76.1	2.8	1.9	443	486	84	89	Calm	0	Calm	0	0	0	—	W n. Fine, bright, and warm.
13	62	56	67.2	57.0	50.9	72.3	5.3	0.1	478	462	72	99	SE 1	Calm	0	8	10	—	—	
14	29.60	29.73	55.7	52.9	49.6	59.9	4.8	1.2	318	367	71	92	E 1	Calm	0	0	10	0.055	—	
15	30.00	30.10	55.7	55.9	48.0	58.7	4.8	1.4	318	407	71	92	SW 1	Calm	0	0	10	—	Fine and bright.	
16	30.08	29.95	57.9	57.9	53.6	60.1	2.1	2.6	417	403	87	84	SW 1	Calm	0	10	10	0.015	Dull, with ●.	
17	29.80	29.60	58.9	59.5	55.6	60.7	1.2	1.4	459	463	93	92	SW 1	W 1	10	10	0.030	Dull, with ●.		
18	70	73	58.5	52.7	51.0	63.2	2.0	1.6	429	354	87	80	Calm	0	Calm	0	10	8	—	Dull and close.
19	78	69	56.7	51.9	49.5	60.7	2.8	1.1	378	357	82	93	Calm	0	Calm	0	8	10	0.025	Dull and warm, with ●.
20	66	70	54.7	49.9	45.9	58.3	2.8	1.7	351	315	81	88	NW 1	Calm	0	6	9	0.032	Dull and warm.	
21	76	79	53.9	49.5	41.9	58.3	2.9	3.6	335	269	81	75	NE 1	NE 1	4	10	—	—	Fine and bright.	
22	84	84	49.7	47.7	47.7	56.9	3.4	1.0	275	307	77	93	Calm	0	Calm	0	4	0	—	Fine and bright.
23	84	78	55.7	54.9	42.2	59.5	3.6	1.1	346	400	78	94	SE 1	SE 1	8	10	0.130	Dull, with ●.		
24	79	92	58.5	48.7	48.0	64.3	3.0	0.9	400	322	81	94	Calm	0	Calm	0	3	0	—	—
25	84	47	54.7	57.9	43.8	61.9	2.8	0.8	351	455	81	95	SE 1	SE 1	4	10	0.310	—		
26	43	53	53.8	51.3	48.7	58.5	2.9	2.4	335	318	80	83	SW 1	SE 1	10	9	0.042	Dull and gloomy, with ●.		
27	77	84	54.7	51.5	49.7	57.9	3.8	1.9	326	331	76	87	WSW 1	Calm	0	3	9	—	Fine and warm.	
28	67	62	62.0	54.7	50.3	65.7	3.6	0.7	439	407	79	95	SW 2	Calm	0	10	10	0.050	Dull and gloomy, with ●.	
29	58	58	55.9	48.9	47.8	63.9	3.0	1.1	364	320	81	93	W 1	Calm	0	3	0	0.050	—	
30	29.31	29.29	55.9	48.3	45.8	58.1	2.0	1.4	391	304	87	90	SW 1	Calm	0	10	10	0.092	Dull, with ●.	
Mean	29.700	29.709	57.2	53.8	48.3	62.7	3.0	1.6	385	375	81.5	89.8	0.8	0.3	6.0	6.3	2.032	—		

DEERNESS.—OCTOBER 1891.

Height above Mean Sea Level, 169 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.

1	29.18	29.30	49.9	47.0	46.2	53.3	2.7	2.2	*292	*271	82	85	SW 2	Calm	0	9	0	*010	☞
2	*49	*62	50.0	47.8	43.0	52.8	1.2	1.5	*329	*295	92	89	NW 1	SSW 1	0	0	0	*010	☞
3	*58	*68	52.0	54.4	49.0	58.3	2.0	1.1	*335	*392	86	93	S 4	Sbyw 3	10	6	—	☞	☞
4	*63	*66	54.0	53.3	51.8	57.6	1.9	1.3	*363	*370	87	91	S 5	S 5	10	7	0.030	☞	☞
5	29.54	29.25	52.8	52.5	50.5	54.1	2.8	2.1	*325	*339	81	86	SSE 7	SE 9	6	9	—	☞	☞
6	28.96	28.89	52.6	53.0	51.0	54.3	0.8	0.8	*375	*380	95	94	SE 9	SSE 6	10	10	0.220	☞	☞
7	29.06	29.20	51.0	51.0	49.0	53.8	3.4	2.5	*290	*311	78	83	SSE 6	S 5	9	1	—	☞	☞
8	29.33	*24	51.8	51.8	49.0	54.2	3.7	2.2	*291	*328	76	85	S 6	SE 8	1	10	0.130	☞	☞
9	28.91	*18	53.0	50.5	49.3	55.4	3.9	2.7	*301	*299	75	82	Sbyw 6	Sbyw 6	0	2	—	☞	☞
10	29.36	29.33	53.2	50.5	48.0	53.8	3.8	1.6	*294	*327	75	89	S 6	S 5	3	1	—	☞	☞
11	29.14	28.76	50.7	52.8	48.0	53.3	2.1	1.4	*316	*361	86	90	SSE 6	SE 9	7	10	—	☞	☞
12	28.92	29.07	51.8	49.2	48.0	53.4	4.5	3.1	*274	*276	72	79	S 6	S 4	0	0	—	☞	☞
13	29.07	28.44	49.5	46.7	45.0	51.8	3.5	1.3	*271	*288	77	91	SSE 6	ESE 10	7	10	0.280	☞	☞
14	28.30	28.66	48.7	48.5	41.8	52.4	4.5	2.5	*241	*281	70	83	S 9	SW 6	1	7	—	☞	☞
15	28.99	29.05	48.4	46.6	45.0	49.0	2.7	1.8	*275	*275	81	88	S 6	WSW 7	7	9	—	☞	☞
16	29.22	28.85	48.0	48.0	43.0	51.0	4.5	3.0	*234	*263	70	79	SE 4	SE 2	10	10	0.340	☞	☞
17	*07	29.39	45.2	43.4	42.0	48.6	1.2	2.4	*273	*230	91	81	NW 6	WNW 5	7	2	0.120	☞	☞
18	29.55	*26	43.7	49.1	40.0	49.8	3.7	3.0	*208	*277	73	80	W 2	SE 7	6	10	0.150	☞	☞
19	28.88	*04	48.2	42.0	40.0	49.8	2.2	2.2	*283	*221	85	84	SW 4	WNW 1	0	1	—	☞	☞
20	29.07	29.07	46.7	48.8	40.0	50.8	3.0	2.6	*251	*282	79	81	SSW 3	SSE 5	1	0	0.040	☞	☞
21	28.94	28.86	50.0	49.2	47.4	51.6	1.2	1.4	*329	*314	92	91	SE 6	S 4	10	0	0.200	☞	☞
22	28.88	28.91	50.0	45.0	43.0	51.8	1.2	1.0	*329	*275	92	92	SSE 3	W 2	6	0	—	☞	☞
23	29.09	29.22	46.8	44.2	42.0	51.8	0.8	1.1	*301	*265	94	92	WSW 1	WNW 2	0	1	—	☞	☞
24	*45	*65	47.3	46.2	41.8	47.8	1.3	2.5	*294	*257	91	83	NE 2	NE 4	9	10	0.350	☞	☞
25	29.74	29.95	48.0	44.0	43.0	51.6	1.6	2.0	*295	*244	89	84	SE 1	S 1	3	0	—	☞	☞
26	30.10	30.17	48.4	46.5	40.4	50.3	1.9	3.3	*293	*243	87	77	ENE 1	ENE 2	4	10	—	☞	☞
27	*21	*21	45.0	45.5	43.0	47.4	2.0	3.2	*253	*235	85	78	ESE 2	SSE 2	6	4	—	☞	☞
28	*17	*18	46.8	46.0	43.5	49.8	3.1	2.8	*249	*248	78	80	S 4	S 2	8	2	—	☞	☞
29	*26	*35	45.0	45.0	41.0	46.8	4.0	3.4	*214	*225	72	76	NW 1	Calm	0	9	—	☞	☞
30	*39	*45	47.7	48.0	42.7	51.8	0.7	1.0	*313	*309	95	93	SW 1	W 1	10	10	—	☞	☞
31	30.53	30.54	48.7	48.3	46.0	51.0	1.7	2.0	*301	*289	88	86	Calm	NE 2	10	10	—	☞	☞
Mean	29.387	29.401	49.2	48.2	44.8	51.9	2.5	2.1	*290	*289	85.0	85.3	4.1	4.1	5.7	5.2	1.880	☞	☞

DUNROBIN CASTLE.—OCTOBER 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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	43.0	40.9	55.5	2.8	2.5	in.	in.	%	%	NW	N	—	—	ins.	Fine and clear.
2	29.66	80	51.7	47.7	40.2	56.7	3.0	2.2	308	279	80	85	N	NW	—	—	—	Fine day.
3	78	90	54.0	56.7	46.5	57.7	2.3	2.4	352	389	84	85	S	W	—	—	—	Dull day.
4	82	82	58.3	54.0	52.5	58.7	3.3	2.3	389	352	79	84	W	SW	—	—	—	Dull and cloudy.
5	72	38	55.5	55.7	53.2	55.7	1.5	1.7	397	395	90	89	SW	E	—	—	0.90	Blow a. and p.
6	08	09	55.0	53.0	50.7	57.0	2.5	2.5	362	335	84	83	E	NE	—	—	1.00	Blow a. Cold, with showers p.
7	19	40	55.0	49.0	47.9	55.3	5.3	3.3	295	270	69	77	S	SW	—	—	—	Fine a. Breezy and cold p.
8	49	29	52.0	54.3	48.9	56.7	3.3	4.6	393	301	78	78	S	E	—	—	1.40	Fine a. Dull and breezy p.
9	13	47	55.0	50.5	50.5	55.7	5.3	2.8	295	297	69	81	SW	W	—	—	—	Blow a. Fair p.
10	57	29.47	52.5	52.7	45.2	55.3	3.5	3.4	304	310	77	77	SW	W	—	—	—	Fine a. Breezy p.
11	28	28.98	53.5	54.3	45.9	54.3	3.8	2.6	309	349	75	82	SW	W	—	—	—	Dull a. Breezy.
12	08	29.29	52.5	50.3	46.9	54.3	4.5	4.6	282	256	71	70	S	W	—	—	—	Dull a. Fine p.
13	29.24	28.30	49.0	49.0	46.2	57.3	2.5	2.5	291	291	84	84	S	E	—	—	1.20	Blow a. and p.
14	28.53	29.08	48.3	48.3	46.9	51.5	2.8	2.8	272	274	81	81	SW	SW	—	—	0.60	Blow a. and p.
15	29.17	39	46.5	49.5	42.9	49.5	1.5	6.5	281	212	89	60	NE	W	—	—	—	Fair and calm.
16	34	06	46.7	46.3	37.9	50.0	1.7	2.3	279	261	88	84	SE	NW	—	—	1.70	Dull, with showers.
17	32	70	48.5	41.7	39.9	49.7	1.8	1.2	297	239	87	90	NW	SW	—	—	—	Cloudy a. Cold p.
18	76	32	44.3	50.5	35.7	51.0	3.8	2.0	213	317	72	87	SW	SW	—	—	—	Clear a.
19	10	25	48.5	40.5	37.9	50.5	2.8	2.2	274	268	81	82	NW	N	—	—	—	Fine day.
20	25	29.17	46.7	48.7	30.7	49.0	1.4	1.7	286	301	90	88	E	E	—	—	—	Fine a.
21	29.07	28.95	50.7	49.7	41.7	54.3	1.2	1.4	340	321	92	90	E	E	—	—	—	Fine a. Cloudy p.
22	29.07	29.15	49.5	43.3	37.7	55.3	1.2	1.8	323	242	91	86	E	N	—	—	—	Fine and clear.
23	29.25	40	46.5	40.5	36.5	54.0	1.5	1.5	281	220	89	88	W	W	—	—	—	Fine and clear p.
24	60	29.83	45.5	45.0	38.2	52.5	1.0	1.5	282	260	93	89	W	W	—	—	0.90	Fine a. Calm p.
25	29.91	30.16	45.5	39.3	37.9	47.7	2.0	1.6	259	209	86	88	W	NW	—	—	—	Clear p.
26	30.25	31	45.0	49.7	36.9	51.5	1.7	1.7	260	313	87	88	NW	E	—	—	—	Fine day.
27	34	35	48.7	47.3	45.9	54.0	3.2	2.3	268	271	79	84	E	E	—	—	—	Dull day.
28	28	37	41.7	37.7	33.2	48.3	1.7	1.7	228	193	87	85	N	NW	—	—	—	Blow a. Fine p.
29	45	55	42.0	46.3	33.2	46.5	1.5	2.8	235	252	89	81	NE	NW	—	—	—	Blow a. Fine p.
30	56	65	46.7	46.5	39.2	54.5	1.7	1.5	279	281	88	89	NW	N	—	—	—	Dull day.
31	30.70	30.69	45.0	45.5	40.7	49.3	1.5	1.5	264	270	89	89	NE	NW	—	—	—	Dull and mild a. Fine p.
Mean	29.558	29.582	49.2	48.0	42.2	55.2	2.5	2.4	292	281	85.2	83.2	—	—	—	—	0.770	

LAUDALE.—OCTOBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	ins. 1.340	☉ showers all day.
2	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ Day fine and clear.
3	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
4	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
5	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
6	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
7	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
8	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
9	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
10	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
11	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
12	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
13	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
14	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
15	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
16	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
17	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
18	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
19	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
20	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
21	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
22	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
23	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
24	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
25	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
26	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
27	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
28	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
29	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
30	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
31	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.
Mean	29.38	29.40	58.7	49.4	44.9	59.5	2.9	2.1	in.	300	82	86	WSW 1	W 2	7	10	1.180	☉ showers all day.

DUNDEE.—OCTOBER 1891.

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.

1	29.26	29.32	48.8	44.6	44.4	56.1	1.1	0.8	318	276	92	94	SW	1	SW	1	10	5	—	Dull day.
2	29.49	29.70	49.0	43.2	39.1	58.9	3.0	0.5	276	268	79	96	NE	1	SE	1	5	0	—	Fine day.
3	29.75	29.82	51.4	50.1	42.6	57.4	2.0	1.6	338	404	87	89	SW	1	SW	1	10	10	—	Dull day.
4	29.81	29.80	55.7	53.4	53.0	62.0	3.3	2.8	353	332	79	82	SW	4	SW	2	10	10	—	Dull day.
5	29.65	29.29	52.0	53.4	49.2	56.7	2.9	1.4	313	368	81	90	SW	4	S	10	10	10	270	Dull day. (gale) from 11a.
6	28.92	28.96	51.9	48.9	48.5	54.6	0.6	1.0	370	320	96	93	SE	12	SW	1	10	10	280	(gale) n. and till 2p.
7	29.11	29.30	50.8	48.0	45.1	58.7	2.7	1.5	304	297	82	90	SE	6	SW	2	0	10	010	showers 3p.
8	29.42	29.33	50.0	48.7	42.4	58.2	1.9	0.7	312	326	87	95	SW	1	SE	10	5	10	540	from 8p.
9	29.12	29.36	52.4	49.3	48.1	56.2	2.8	1.8	321	306	82	88	NW	6	SW	2	5	7	—	(gale) n. and during day.
10	29.53	29.40	48.9	47.0	43.2	55.9	2.4	1.0	289	308	84	93	SW	1	SE	1	5	7	010	Cloudy day.
11	29.17	28.87	48.4	51.6	41.2	52.4	1.7	1.8	298	335	88	88	SE	6	SE	6	10	10	090	(gale) 11a.—7p.
12	29.01	29.11	48.0	40.6	40.3	52.5	2.5	0.4	274	244	83	97	W	2	W	1	0	0	020	Fine day.
13	29.10	28.27	45.2	51.6	39.4	52.9	1.2	3.6	273	292	91	76	S	1	SW	12	10	10	460	7a.—9a. (gale) from 5p.
14	28.62	28.99	48.3	46.4	45.3	52.5	3.8	1.7	251	275	74	88	SW	10	SW	8	0	10	030	n. and during day.
15	29.05	29.24	45.4	42.7	42.1	49.1	1.6	1.4	267	244	89	88	SE	1	SW	2	10	10	330	showers 9a.—noon. Dull day.
16	29.01	28.88	49.2	42.9	35.6	54.7	0.6	1.2	335	250	95	91	SE	8	SW	2	10	10	030	showers during day.
17	29.22	29.52	46.8	42.6	41.7	53.5	2.2	1.5	268	240	84	88	W	1	NW	1	10	10	—	Cloudy day.
18	29.67	29.33	41.4	46.4	32.1	50.8	2.8	1.4	205	282	79	90	W	1	SE	8	5	10	410	from 7.30p.
19	29.03	29.14	45.5	40.0	39.8	51.7	0.7	1.6	289	215	95	87	SW	1	SW	1	10	7	—	Cloudy day.
20	29.14	29.04	44.6	45.4	33.2	53.7	1.3	0.0	265	283	90	94	W	1	SE	2	5	10	160	Cloudy day. 0 showers 5.30p.
21	28.80	28.87	40.6	46.4	45.0	50.4	0.7	1.9	302	271	93	87	SE	1	SE	2	10	5	140	n. showers till 2p.
22	28.88	28.98	47.3	39.2	39.1	52.7	1.1	0.1	269	239	95	102	S	1	NW	1	5	7	—	Cloudy day.
23	29.12	29.30	35.2	38.8	33.7	47.8	0.1	0.3	206	230	99	97	SW	1	NW	1	10	5	—	Cloudy day.
24	29.50	29.04	42.8	37.0	35.4	51.4	0.8	0.5	257	210	94	96	W	1	W	1	5	—	050	2 till 9a.
25	29.76	29.92	38.3	44.1	33.8	47.6	0.8	1.8	215	249	94	85	W	1	NE	1	10	10	—	Fine day.
26	30.03	30.00	44.7	44.2	40.3	51.5	1.4	2.7	264	232	89	79	NE	4	NE	1	5	7	—	—
27	29.15	29.18	45.5	43.4	42.6	48.6	2.0	1.6	259	247	86	87	E	1	E	1	10	10	—	Dull day.
28	29.18	29.21	44.3	41.6	39.0	46.4	1.7	1.6	254	229	87	88	E	1	NW	1	10	0	—	—
29	29.31	29.40	32.7	37.3	30.0	41.6	0.7	0.6	172	211	92	95	SE	1	SE	1	0	0	—	—
30	29.47	29.53	41.4	34.9	32.4	44.2	1.1	0.5	238	193	91	95	SE	1	S	1	5	5	—	—
31	30.57	30.53	32.2	41.7	29.3	47.2	0.2	1.7	179	228	95	87	W	1	S	1	5	0	—	—
Mean	29.449	29.457	46.0	44.9	40.2	52.5	1.7	1.4	270	271	88.2	90.1	2.7	2.8	6.9	7.1	2.8	3.0	—	—

GLASGOW.—OCTOBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.		Per-centage.												
	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.	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	1	S	1	7	2	ins.	0.78	☉ ⁰ a.	
2	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NW	1	W	1	4	10	0.90	☉ ⁰ a.		
3	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SW	2	S	2	10	10	—	—	Dull and overcast. ☉ ⁰ showers.	
4	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	2	S	2	10	10	—	—	Squally a. Dull and cloudy.	
5	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	3	S	6	7	7	2.95	—	Dull and cloudy, with squally ☉ ⁰ .	
6	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	2	S	1	10	0	0.90	—	Overcast, with ☉ ⁰ .	
7	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	2	S	1	9	4	0.95	—	☉ ⁰ shower 1.30 p.	
8	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	2	SE	3	10	5	5.50	—	☉ ⁰ 2 from 6p.	
9	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SW	3	SW	3	5	2	0.60	—	Cloudy, with squally ☉ ⁰ showers.	
10	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	2	SE	1	2	4	0.90	—	Fine day.	
11	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	3	S	2	10	2	1.00	—	Squally and overcast, with ☉ ⁰ .	
12	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	2	S	2	3	9	0.45	—	☉ ⁰ at night.	
13	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	2	SW	10	6	10	4.75	—	Squally ☉ ⁰ 2 ☉ ⁰ .	
14	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SW	4	SW	4	10	10	2.32	—	Cloudy, with squally ☉ ⁰ 2 ☉ ⁰ showers.	
15	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	1	W	1	10	5	1.10	—	☉ ⁰ (mist) 9a. ☉ ⁰ shower a.	
16	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	3	W	3	10	10	4.25	—	☉ ⁰ 0.30a. Squally. ☉ ⁰ 2.	
17	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	W	2	W	1	6	0	0.02	—	Fine day.	
18	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	SE	2	SE	2	10	10	6.00	—	☉ ⁰ (mist) 9a. Fine a. Squally, with ☉ ⁰ 2 a.	
19	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	W	2	S	1	4	2	0.50	—	☉ ⁰ 2 a.	
20	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	S	1	E	2	8	10	3.32	—	Dull, with ☉ ⁰ 2 showers.	
21	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	E	3	SE	1	10	5	0.95	—	☉ ⁰ showers. ☉ ⁰ 2 [9p.	
22	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	E	2	Calm	0	10	10	0.15	—	☉ ⁰ a. Dull and cloudy. ☉ ⁰ (mist)	
23	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	Calm	0	W	1	5	0	—	—	☉ ⁰ a. Fine and clear. ☉ ⁰ 10p.	
24	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	W	1	W	1	3	0	—	—	Fine day.	
25	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	Calm	0	Calm	0	5	10	—	—	☉ ⁰ a. Fine day. Overcast evening.	
26	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NE	2	NE	2	6	2	—	—	☉ ⁰ a. Fine day. Overcast evening.	
27	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NE	2	NE	3	9	3	—	—	☉ ⁰ a. Fine day. Overcast evening.	
28	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NE	2	E	2	0	0	—	—	Fine and clear.	
29	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NE	1	NE	1	10	10	—	—	☉ ⁰ all day.	
30	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	Calm	0	NE	1	5	4	—	—	☉ ⁰ all day.	
31	29.25	29.32	48.9	45.5	45.2	56.1	0.9	1.2	in.	323	277	94	91	NE	1	E	1	5	5	—	—	☉ ⁰ all day.	
Mean	29.418	29.423	46.2	45.7	42.3	52.1	2.1	2.0	27.1	26.5	85.6	85.9	—	1.8	2.0	6.8	5.7	3.599	—	—	—	—	—

SCARBOROUGH.—OCTOBER 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N. Gravity Correction, +.025.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	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.	54.2	49.9	49.9	50.5	1.5	0.7	in.	in.	%	%	SE	2	SW	1	10	10	ins.	Dark day, with ☁.
2	29.32	29.40	50.6	48.9	41.5	54.0	1.0	1.2	.377	.340	90	95	SW	3	Calm	0	2	9	.060	Very bright a., then ☁ showers.
3	.51	29.78	49.4	50.1	48.7	50.6	1.7	1.1	.328	.316	89	92	W	2	SW	1	1	0	.050	Brilliant day.
4	29.93	30.00	54.6	51.1	48.7	59.2	3.2	1.9	.308	.333	89	92	S	3	SW	4	6	0	—	Brilliant day.
5	30.01	29.98	54.6	51.1	48.7	59.2	3.2	1.9	.339	.327	79	86	S	3	SW	4	6	0	—	Brilliant day.
6	29.80	.45	51.6	54.9	49.5	59.0	0.9	2.0	.358	.373	94	87	SE	3	S	3	2	10	.080	Brilliant day.
7	.15	.11	53.6	53.3	51.3	56.9	0.9	0.8	.385	.384	94	95	SE	5	SW	3	10	10	.710	Stormy, with ☁.
8	.26	.45	51.8	50.1	49.8	57.2	1.3	1.9	.351	.313	91	86	SW	4	SW	3	3	0	.110	Very fine, but ☁ 4.30 p.—5.30 p.
9	.56	.45	47.8	51.7	43.7	56.9	0.9	2.5	.309	.319	93	83	SW	1	S	4	0	10	.110	Very fine till 4 p., then overcast.
10	34	.56	55.4	50.6	50.5	59.2	1.6	1.4	.391	.333	90	90	SW	3	SW	1	10	0	—	Stormy n. Brilliant day.
11	.62	.48	52.6	50.8	48.5	52.6	1.3	0.6	.391	.356	91	95	SW	1	SW	1	10	10	.460	Fine, then damp, with ☁.
12	.34	.05	50.6	56.2	48.5	57.1	1.2	1.2	.338	.416	92	92	S	5	SE	5	8	10	.050	Fine a. ☁ in afternoon.
13	.16	29.23	47.0	43.7	43.7	50.3	0.7	1.4	.305	.253	95	88	S	1	S	1	5	0	.010	Fine day. ☁ shower n.
14	29.19	28.69	47.6	54.2	40.5	54.4	1.3	1.5	.298	.377	91	90	S	2	SW	4	5	8	.550	Fair a. Sudden ☁ (gale) 3 p.—8 p.
15	28.94	29.31	47.3	47.4	44.8	54.5	2.6	2.3	.265	.273	82	84	SW	6	SW	7	1	0	.340	☁ 2 a. 0.30 p. (gale) at night.
16	20.13	.43	51.0	44.3	43.9	54.7	1.2	1.0	.343	.268	92	92	S	6	SW	1	10	2	.120	Fine till 6 p., then ☁.
17	.22	26	52.1	46.5	40.3	53.5	3.1	2.6	.309	.257	79	82	S	6	S	6	5	0	—	Brilliant and windy.
18	40	.02	45.9	44.7	41.5	52.2	1.9	0.9	.265	.274	87	93	SW	5	SW	1	4	2	.010	Very fine.
19	.77	.57	44.5	48.1	39.7	51.9	0.8	2.3	.274	.280	94	84	SW	3	S	4	0	10	.310	Very fine.
20	.11	.25	49.6	39.7	39.3	50.9	0.4	1.4	.345	.216	98	88	SW	7	W	1	10	0	.040	☁ till noon, then very fine.
21	29.26	29.17	45.0	48.6	37.3	50.9	0.7	0.5	.283	.329	94	97	SW	3	SW	3	5	5	.030	☁ early a. Very fine day. ☁
22	28.99	28.99	49.0	46.9	40.1	53.8	0.3	1.2	.340	.293	98	92	SE	3	SW	2	10	7	.020	☁ a. Fine from 9 a.
23	28.90	29.06	45.4	45.9	42.3	49.2	0.7	1.1	.287	.284	96	93	SW	1	SW	1	10	10	.220	Dull, with ☁.
24	29.08	.39	46.5	44.3	42.6	47.4	1.0	1.2	.293	.264	93	91	NE	3	SW	1	10	0	.080	☁, then fine.
25	.54	.67	42.0	39.2	38.8	50.4	0.6	0.7	.254	.225	95	94	SW	1	SW	1	9	0	—	Very fine.
26	.71	.79	46.7	50.4	34.3	50.5	0.4	0.5	.309	.352	97	96	NW	2	NE	1	10	10	—	Fair, then dull, with ☁.
27	29.86	29.91	50.0	48.6	48.6	50.7	0.8	1.7	.340	.299	94	88	NE	6	NE	6	10	7	—	Fine day.
28	30.02	30.12	49.4	48.7	42.8	52.3	2.8	4.1	.283	.249	81	73	NE	5	NE	4	1	5	—	Very fine.
29	.15	.20	48.9	46.7	45.9	50.3	3.9	2.6	.255	.259	74	82	NE	3	NE	2	7	0	—	Brilliant day.
30	.28	.37	46.5	42.1	41.8	48.8	3.7	1.9	.235	.228	75	85	NE	2	Calm	0	8	2	—	Fine day.
31	.43	.50	47.3	42.7	41.5	48.5	1.8	1.2	.283	.248	88	89	NE	2	NE	1	7	0	—	Fine day.
Mean	30.53	30.45	38.4	48.1	32.5	48.7	0.6	1.4	.220	.302	95	90	SW	1	NE	4	10	10	.050	Fair, then dull. ☁.
Mean	29.532	29.570	48.8	48.0	43.8	53.5	1.5	1.5	.311	.301	90.0	89.2	3.2	2.5	6.4	4.7	3.410			

CRONKBORNE (DOUGLAS, ISLE OF MAN).—OCTOBER 1891.

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.

1	29°32	29°45	50°5	44°4	44°4	55°2	1°0	1°4	342	260	94	89	W 2	WNW 1	8	2	°038 Dull a. Fine afternoon. ☁ p.
2	56	78	51°1	44°0	41°8	55°3	1°9	1°0	327	265	86	92	NNW 7	N 2	8	3	°086 Squally ☁ a. ☁ p.
3	89	95	56°0	56°0	42°8	56°9	1°0	1°2	419	413	93	92	SE 3	SSE 4	10	10	°011 Dull a. Overcast p.
4	93	86	56°0	56°0	53°8	58°2	2°6	3°0	375	365	83	81	SSW 5	S 4-5	10	10	☁ a. Dull day.
5	29°62	18	53°4	56°5	52°0	56°7	3°0	5°0	327	323	80	71	SE 5	SE 6	10	10	°860 Cloudy, with squally ☁. ☁ 2 n.
6	28°87	00	56°2	53°4	51°2	56°9	0°7	3°4	431	317	96	78	SSW 5	SSW 4-5	9	10	°325 ☁ a. Cloudy, with squally ☁.
7	29°15	36	53°4	53°0	48°0	56°8	2°2	2°8	347	327	85	81	SSW 5	SSW 4	7	3	°096 Cloudy, with ☁ showers.
8	47	19	51°2	54°2	38°7	57°2	0°2	0°2	371	415	99	99	SSW 3-4	SSE 5	6	10	°822 Fine a. Dull afternoon. ☁ 2 from 4p.
9	33	53	55°0	47°7	45°2	57°5	2°3	1°7	367	289	85	88	SW 5	W 2	9	2	°058 ☁ 2 a. Dull day. ☁ 2 6p.
10	57	29°44	53°4	53°0	37°8	58°0	1°6	2°0	363	347	89	86	SW 2	S 4-5	6	4	°230 ☁ a. Fine day.
11	05	28°94	53°4	51°0	49°8	54°5	1°2	2°0	374	323	91	86	SSE 6-7	W 3	10	6	°493 Squally ☁ 2 a. Overcast, with ☁.
12	11	29°15	51°7	49°5	45°3	55°0	4°5	2°5	273	292	72	83	WSW 3	S 4	2	10	°163 Fine day. ☁ 2 noon—5 p. Squally ☁ 2 p.
13	29°04	28°44	50°4	53°7	49°5	55°2	3°4	3°9	282	287	78	70	SSE 4	SW 9-10	9	8	°497 Fine, with squally ☁. ☁ 5 p.
14	28°84	29°22	51°0	50°7	47°0	53°7	3°6	3°2	285	291	76	79	SW 7-8	WSW 6	8	6	°477 ☁ a. Fine day. ☁ p.
15	29°13	33	47°2	46°0	42°4	52°0	1°5	0°8	288	292	90	94	WNW 2	WSW 1	7	3	°353 Dull, with squally ☁. ☁ 2.
16	28°89	22	48°4	47°3	44°7	51°4	1°2	1°0	310	302	91	93	SSW 8-9	WSW 5-6	10	9	°153 Fine day. ☁ p.
17	29°45	67	51°0	42°8	41°8	52°3	2°2	0°7	318	259	85	95	W 3	Calm 0	4	1	°663 Fine a. Dull, with squally ☁. ☁ p.
18	76	33	51°0	51°2	40°8	54°0	2°8	0°5	304	363	81	97	WSW 3	S 7-8	3	10	°52 Fine day.
19	19	29°21	49°3	40°0	40°0	53°5	3°3	3°3	273	270	78	77	W 4	SW 4	4	8	°855 Cloudy, with ☁ 2 showers. ☁ p.
20	29°15	28°95	52°7	49°0	40°2	54°2	1°5	0°5	356	335	89	97	S 4	S 4	7	10	°420 ☁ 2 showers a., then fine. ☁ p. ☁ n.
21	28°82	28°85	52°2	50°0	44°0	54°0	1°6	0°8	348	339	89	94	S 4	S 4-5	4	7	°124 Dull, with ☁. ☁ 2 p.
22	28°89	29°02	51°2	41°8	40°0	54°8	1°5	0°2	338	260	90	99	S 3	N 1	6	6	°008 Fine day. ☁ p.
23	29°15	40	46°1	38°0	38°0	49°9	0°5	0°8	300	212	96	93	Calm 0	Calm 0	8	1	°52 Fine a. Very fine. ☁ p.
24	60	71	48°0	37°0	35°2	53°0	1°3	0°1	302	218	91	99	WNW 2	Calm 0	7	1	☁52 Fine a. Very fine. ☁ p.
25	74	83	47°0	41°8	32°0	51°2	2°2	1°6	271	251	85	88	Calm 0	NE 3	1	2	☁52 Fine a. Very fine. ☁ p.
26	29°90	29°93	50°7	47°7	41°8	52°7	1°8	2°2	324	278	87	85	NE 4	NE 5	7	2	☁52 Fine a. Very fine. ☁ p.
27	30°02	30°06	49°7	48°7	45°5	53°2	3°0	3°7	283	257	80	75	E 4	E 5	0	3	☁52 Fine a. Very fine. ☁ p.
28	11	17	48°0	48°5	46°7	50°5	2°8	2°0	267	292	80	87	ESE 5	ESE 5	5	3	☁52 Fine a. Very fine. ☁ p.
29	31	39	49°8	32°8	32°8	52°0	2°9	1°4	286	157	80	84	ESE 2	NNE 1	1	0	☁52 Fine a. Very fine. ☁ p.
30	44	48	46°7	47°7	31°5	49°5	2°5	1°2	261	301	82	92	ESE 1	SE 3	8	4	°001 Dull a. Fine afternoon. ☁ p.
31	30°55	30°49	47°8	47°0	43°5	50°0	2°0	2°2	283	271	86	85	ESE 3	ESE 3-4	7	3	☁52 Fine day.
Mean	29°479	29°502	51°0	48°0	42°8	54°0	2°1	1°8	322	295	86°0	87°4	3°7	3°6	6°5	5°4	7°010

STONYHURST.—OCTOBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	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.	☉ a. Overcast p.
2	29° 11	29° 21	49° 7	46° 0	45° 1	55° 6	1° 5	1° 6	318	274	89	89	Calm 0	WSW 1	10	1	270	☉ a. Overcast p.
3	31	58	50° 3	50° 6	43° 9	54° 9	1° 6	1° 9	324	321	89	87	WbyS 3	W 1	10	10	290	Overcast, with ☉ a.
4	72	78	52° 4	53° 4	45° 1	59° 4	2° 8	2° 0	321	353	82	87	swb.w.1	swbys.1	9	10	—	☉ a. Overcast p.
5	77	70	53° 5	53° 0	51° 9	59° 7	2° 9	2° 9	331	325	81	81	SSW 3	S 2	9	10	—	Cloudy a. Sunny p.
6	29° 51	29° 14	50° 9	53° 4	47° 2	57° 7	1° 7	4° 9	320	284	88	70	SSE 2	SSE 5	10	10	215	☉ a.
7	28° 77	28° 83	57° 0	50° 5	50° 5	57° 9	3° 0	1° 5	377	328	81	89	SbyE 6	SbyW 2	10	7	140	Overcast, with squally ☉ a.
8	29° 02	29° 18	51° 0	48° 5	45° 4	56° 9	3° 0	2° 0	299	292	80	86	S 3	S by E 1	0	10	053	Sunny, then overcast, with ☉ a.
9	32	08	48° 8	52° 6	44° 9	58° 0	2° 1	2° 6	295	327	85	82	Calm 0	SSE 5	1	10	098	Sunny, with ☉ a. Cloudy and squally
10	33	32	54° 9	52° 1	50° 6	59° 1	3° 1	2° 8	347	317	80	81	SW 3	swb.w.1	8	10	022	Cloudy and overcast. ☉ (mist) p.
11	37	29° 25	50° 9	50° 2	48° 0	53° 5	1° 0	2° 4	348	354	93	98	Calm 0	Calm 0	10	10	090	☉ a. Overcast and gloomy.
12	29° 00	28° 79	50° 7	51° 8	46° 7	55° 6	2° 0	0° 3	315	326	86	85	Sbys 5	swb.w.1	10	10	077	Squally ☉ a. Overcast.
13	28° 92	28° 98	46° 6	44° 2	42° 5	53° 8	2° 2	1° 2	267	263	85	91	swbys.1	Calm 0	1	1	050	Fine a. ☉ p. T. 3p. 4p.
14	02	29° 36	46° 3	53° 1	40° 7	56° 8	1° 9	3° 0	270	324	87	80	Sbys 2	S 6	10	10	330	Overcast. Squally ☉ p.
15	73	29° 08	45° 3	49° 0	44° 4	54° 6	1° 7	3° 3	265	270	87	77	S 5	swbys.4	10	10	050	Squally ☉ a. ☉ 7p.
16	85	18	49° 3	42° 9	42° 1	50° 7	1° 8	1° 7	306	239	88	87	SSW 4	swb.w.1	10	3	102	Squally ☉ a. ☉ 11p.
17	28° 88	04	49° 3	40° 0	42° 2	53° 0	4° 7	1° 4	244	278	70	90	S 7	SW 2	2	10	115	Cloudy, with squally ☉ a. 2p.
18	29° 13	43	45° 6	44° 4	43° 9	51° 7	1° 1	0° 8	281	274	92	94	SW 3	WbyS 1	9	10	442	☉ showers a. ☉ p. < 10p.
19	29° 57	26	46° 0	47° 4	41° 4	52° 9	0° 8	1° 6	292	288	94	89	swb.w.1	SbyE 5	10	10	712	Overcast, with ☉ a. and p.
20	28° 92	29° 03	47° 2	42° 4	42° 2	50° 0	0° 7	1° 4	308	241	96	89	WbyS 1	Calm 0	10	2	072	Overcast, with ☉ a. Cloudy p.
21	29° 00	28° 86	46° 2	51° 0	40° 0	54° 3	1° 7	3° 6	274	285	89	76	S 3	SbyE 4	2	10	152	Cloudy a. Fine p.
22	28° 69	72	47° 8	46° 2	43° 6	52° 9	1° 1	2° 0	306	267	92	86	SSW 3	S 2	10	9	—	Cloudy p.
23	68	28° 53	46° 0	46° 6	43° 2	50° 1	1° 6	1° 9	274	273	89	87	SbyE 1	Calm 0	10	10	015	Overcast.
24	28° 92	29° 17	45° 7	41° 8	40° 7	47° 7	0° 9	0° 8	287	247	94	94	Calm 0	nwb.n.1	10	9	123	☉ a. Overcast, with ☉ a.
25	29° 34	45	38° 3	40° 2	35° 2	51° 6	1° 0	0° 4	211	241	92	96	Calm 0	Calm 0	0	0	—	☉ a. Fine day. ☉ p.
26	49	55	39° 4	46° 0	31° 6	49° 7	0° 9	1° 0	234	287	93	93	NNE 1	NE 1	0	0	—	Fine a. with ☉ a.
27	58	64	49° 8	46° 5	45° 4	53° 0	2° 7	2° 6	290	257	82	82	NbE.2	ENE 2	10	1	—	Fine day.
28	74	82	47° 4	44° 7	44° 5	52° 7	2° 7	3° 1	264	229	83	77	ENE 3	ENE 2	5	0	—	☉ 0. Fine day.
29	29° 05	29° 05	44° 8	40° 6	40° 6	49° 5	2° 9	1° 9	234	214	79	86	NE 1	NE 1	0	0	—	☉ a. Fine day.
30	30° 06	30° 15	41° 2	36° 8	34° 7	47° 7	2° 2	1° 3	213	194	85	90	NbE.1	Calm 0	0	0	—	☉ p.
31	20	26	40° 1	42° 9	32° 6	49° 0	2° 6	1° 8	197	237	79	86	NE 1	NNE 1	10	10	—	Fine a. Sunny, with ☉ p.
31	30° 30	30° 25	40° 4	43° 2	37° 7	46° 7	1° 1	2° 8	228	221	91	79	NNE 1	Calm 0	0	10	—	
Mean	29° 288	29° 317	47° 5	47° 0	42° 9	53° 4	2° 0	2° 0	285	278	86° 4	85° 9	2° 1	1° 7	6° 6	6° 9	3° 818	

CHURCHSTOKE.—OCTOBER 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	49.9	44.4	40.6	55.1	0.5	1.0	in.	in.	0	0	10	3	ins.	Cold wind.	
2	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
3	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Dull and raw.	
4	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
5	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Bright and fresh.	
6	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
7	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Cold gusty.	
8	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
9	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Cold and stormy.	
10	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
11	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Bright and squally.	
12	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
13	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Cold.	
14	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
15	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Bright and fresh.	
16	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
17	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Steady.	
18	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
19	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Bright and cool.	
20	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
21	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	(force 8).	
22	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
23	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Squally (force 7) distant.	
24	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
25	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Stormy and cold.	
26	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
27	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Cool wind, with showers.	
28	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
29	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Cool wind, with showers.	
30	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.		
31	29.26	29.26	46.1	41.8	38.0	56.4	2.8	0.9	304	269	97	92	10	3	ins.	Bright and fresh.	
Mean	29.117	29.144	47.7	45.8	40.2	53.7	1.9	1.5	288	278	86.5	89.0	2.4	2.1	6.9		6.1

CARMARTHEN.—OCTOBER 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

1	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
2	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
3	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
4	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
5	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
6	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
7	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
8	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
9	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
10	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
11	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
12	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
13	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
14	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
15	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
16	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
17	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
18	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
19	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
20	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
21	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
22	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
23	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
24	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
25	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
26	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
27	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
28	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
29	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
30	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
31	29.34	29.48	50.5	43.2	43.2	58.5	0.3	0.6	360	266	97	94	Calm	0	Calm	0	10	0	0.10	☉ a.
Mean	29.469	29.483	50.9	48.0	43.3	57.5	2.4	1.4	313	305	84.1	90.5	2.4	1.7	6.9	6.2	12.570			

MARGATE.—OCTOBER 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.	Per-centage.											
	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.						
1	ins.	ins.	60.0	51.9	51.4	66.4	2.5	1.0	in.	in.	85	93	SW	3	SW	1	10	10	ins.	Fine afternoon. ☉ at night.	
2	29.28	29.04	52.1	50.0	43.9	66.2	3.4	3.0	302	286	77	80	W	2	SW	2	0	0	—	☉ a. Fine day.	
3	30.15	30.20	51.6	49.0	41.4	63.1	2.6	1.3	316	315	82	91	W	2	W	1	0	0	—	☉ a. Fine day.	
4	30.18	30.09	55.0	55.0	43.4	60.9	3.0	3.0	349	349	81	81	SW	1	SW	1	1	0	—	☉ a. Fine day.	
5	29.09	29.63	56.1	56.0	49.4	61.9	2.8	2.1	370	386	82	86	S	1	SW	1	0	0	—	☉ a. Fine day.	
6	29.40	29.63	57.5	55.6	54.2	66.4	3.5	2.4	370	373	78	84	S	2	S	2	10	10	160		
7	29.54	29.67	53.1	50.2	50.2	61.8	2.2	1.3	344	329	84	91	SW	2	S	1	10	8	150	☉ ☉.	
8	29.74	29.74	54.1	56.8	49.4	62.0	2.1	4.1	360	346	85	75	SW	2	S	3	1	10	050	Very fine.	
9	29.64	29.79	50.5	53.0	52.4	64.0	1.2	0.5	469	388	93	97	S	3	S	1	10	0	010	showers.	
10	29.75	29.66	60.2	56.2	51.5	62.7	0.3	0.1	511	449	98	99	S	2	S	1	9	1	540	☉ before ga. ☉ 2.	
11	29.55	30.30	57.0	59.0	50.4	63.1	1.3	1.0	345	407	91	94	S	3	S	4	10	10	430	☉ ☉.	
12	29.39	29.42	53.3	48.0	47.4	60.0	2.2	2.0	346	286	85	86	SW	2	S	1	10	0	180		
13	29.42	29.09	52.5	57.5	45.4	67.0	2.6	0.0	327	446	82	94	SW	1	SW	5	0	10	310	Dull at night.	
14	29.44	29.73	50.0	51.8	51.4	60.0	5.0	2.6	313	318	70	82	SW	3	SW	2	2	0	140	Storm, with ☉.	
15	29.53	29.78	53.9	49.8	47.2	58.6	0.7	2.5	396	273	95	82	SSW	4	SW	2	10	0	130	☉ a.	
16	29.51	29.61	58.0	52.3	46.5	60.4	1.8	2.9	427	317	88	80	S	3	S	2	9	6	090	☉ a.	
17	29.73	29.92	50.0	46.7	44.4	57.0	3.1	1.7	284	278	79	88	SW	2	SW	2	4	0	—	Very fine.	
18	30.02	29.89	49.7	50.2	43.5	58.0	2.2	1.7	302	319	86	89	SW	2	SW	2	0	10	010	☉ a. Very fine. ☉ 2 pp.	
19	29.56	29.47	51.1	48.2	47.9	54.8	0.9	0.2	353	333	93	99	S	4	SW	2	10	10	400	Stormy, with ☉.	
20	29.49	29.33	52.7	54.0	45.6	56.8	1.6	1.0	355	388	89	93	W	1	SW	3	10	10	070	☉ 2 in afternoon.	
21	29.19	29.24	56.2	48.8	48.8	58.0	2.1	0.8	389	324	87	94	S	3	W	2	7	10	320		
22	29.18	29.22	55.0	60.5	47.6	62.4	2.0	4.5	375	389	87	74	S	5	SW	4	10	10	—	Stormy.	
23	29.25	29.61	60.0	49.8	48.6	60.5	3.8	1.8	401	311	77	87	S	4	S	1	10	8	010	Fine day.	
24	29.65	29.77	52.2	47.0	46.6	57.0	2.3	0.2	330	318	84	99	W	1	Calm	0	10	0	—	Fine day.	
25	29.67	29.61	54.1	54.8	44.4	55.0	2.5	1.0	333	400	79	94	SW	2	E	4	10	10	100	Stormy. ☉ at night.	
26	29.61	29.71	55.0	54.2	53.1	55.7	1.2	0.3	397	412	92	98	E	4	E	4	10	10	330	☉ nearly all day.	
27	29.88	29.01	52.3	50.1	49.4	54.8	1.2	3.0	360	287	92	80	E	4	E	3	10	10	—	Dull, with ☉.	
28	30.06	29.14	47.7	47.7	46.0	50.1	4.7	4.4	226	232	69	71	E	3	E	4	2	0	—	Fine day, with ☉.	
29	29.25	29.28	49.7	48.0	45.2	52.5	4.7	3.2	248	260	69	78	E	2	E	3	0	4	—	Fine sunset.	
30	29.49	29.55	42.7	40.7	40.4	48.8	5.4	4.0	172	179	63	70	E	2	E	3	0	0	—	Fine sunset.	
31	30.58	30.47	42.5	44.0	37.1	46.0	5.3	1.0	172	265	63	92	E	2	Calm	0	5	10	020	Fine day.	
Mean	29.713	29.736	53.6	51.4	47.2	58.7	2.6	1.9	347	335	82.7	87.1	2.5	2.1	6.1	5.4	3.550				

BABBACOMBE.—OCTOBER 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.	53.2	47.7	47.5	57.6	0.4	0.9	ins.	ins.	94	94	W	1	WSW	2	10	2	ins.
2	29.27	29.44	53.2	47.7	47.5	57.6	0.4	0.9	29.27	29.44	94	94	W	1	WSW	2	10	2	ins.
3	'63	'82	56.3	45.8	42.2	62.0	4.3	1.0	'335	'285	73	93	W	3	WSW	2	1	0	'050
4	'03	'94	57.7	48.7	43.1	62.3	5.0	1.0	'388	'182	83	93	WSW	2	SW	2	3	0	—
5	'00	'80	60.0	51.9	43.7	63.5	3.5	2.0	'409	'334	79	86	SSE	2	SE	2	2	1	—
6	29.55	'22	58.9	57.0	51.5	62.7	3.6	2.0	'389	'377	79	81	SSE	3	SSE	5	3	10	1.500
7	28.93	'01	55.0	51.0	50.6	58.0	0.1	1.2	'430	'343	99	92	SW	3	SSW	5	10	10	'550
8	29.20	'35	54.3	48.2	46.4	58.7	2.4	0.4	'355	'348	82	98	SW	4	WSW	2	8	4	'160
9	'48	'26	56.4	57.8	44.4	59.9	2.6	0.0	'379	'479	84	100	SW	3	S	7	3	10	'490
10	'38	'40	57.8	55.7	54.4	62.3	1.7	0.8	'427	'419	89	94	WSW	3	SW	2	4	9	'500
11	'43	'43	54.7	49.2	49.1	57.0	0.3	0.1	'419	'348	98	99	NNW	1	SW	2	10	2	'370
12	'13	'01	54.3	49.7	48.4	57.0	1.1	1.0	'389	'330	92	93	SSE	5	SW	3	10	3	'740
13	29.09	29.10	51.6	47.7	41.9	56.6	1.2	1.9	'351	'285	92	86	SW	2	SW	3	4	10	'130
14	28.79	29.32	52.3	57.1	39.2	59.7	1.1	1.3	'362	'427	92	91	SSE	5	SW	8	10	10	'890
15	29.13	29.38	51.8	52.2	47.4	57.9	2.7	1.3	'315	'365	82	91	WSW	8	SSW	4	8	3	1.000
16	'16	'33	49.4	52.9	47.0	54.7	1.0	2.9	'327	'324	93	81	SW	5	SSE	4	9	4	'300
17	'30	'30	50.5	44.9	44.6	56.6	3.4	0.3	'283	'292	78	98	SW	5	WSW	2	4	7	'090
18	'54	'71	52.0	47.1	42.4	57.8	3.1	1.4	'307	'289	79	90	WSW	3	WSW	3	4	1	'140
19	'79	'51	54.5	52.9	40.9	57.9	3.5	3.7	'330	'305	77	76	SW	2	SSW	7	1	10	'140
20	'18	29.24	51.0	48.0	47.1	54.5	0.3	0.4	'366	'325	98	97	WSW	1	WSW	2	10	9	'050
21	28.15	28.97	53.4	52.1	43.1	58.4	2.5	0.9	'340	'365	83	93	SSW	3	SSW	4	7	9	'620
22	28.87	'87	53.0	47.6	45.7	55.5	3.3	1.1	'316	'303	78	93	SW	4	SW	3	2	8	'460
23	28.80	28.89	47.1	44.7	44.2	50.4	0.3	0.7	'317	'279	98	94	WSW	1	NNE	3	10	10	'800
24	29.13	29.30	51.7	47.9	42.2	57.8	1.6	1.0	'342	'308	89	93	WSW	3	SW	2	1	3	'040
25	'47	'51	52.0	44.8	42.4	60.5	2.7	1.0	'317	'273	82	92	WSW	1	NW	2	1	2	—
26	'45	'40	44.0	48.5	41.4	48.7	0.8	0.7	'270	'323	94	95	NNE	3	NE	4	10	10	'120
27	'41	'42	52.0	51.7	48.3	53.8	0.7	0.7	'369	'305	95	95	ENE	5	NE	5	10	10	'140
28	'55	'67	53.8	51.8	51.4	54.9	1.1	1.5	'382	'345	92	89	E	5	E	6	10	10	—
29	29.75	29.84	48.7	46.4	46.4	52.7	2.4	3.5	'285	'237	83	76	ENE	5	ENE	5	10	1	—
30	30.01	30.13	46.5	46.9	42.3	51.7	2.7	2.8	'254	'257	81	81	ENE	5	NE	4	1	0	—
31	'18	'17	46.0	43.6	41.3	50.4	2.2	3.1	'260	'218	85	77	ENE	3	E	7	3	0	—
31	30.21	30.19	43.7	45.2	43.0	47.0	2.3	3.6	'235	'224	82	75	E	5	E	5	9	1	—
Mean	29.415	29.431	52.1	49.6	45.3	56.7	2.0	1.5	'343	'322	86.7	89.9	3.4		3.8	6.1	5.7	10.370	

LONDONDERRY.—OCTOBER 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 7° 19' W. Lat. 55° 0' N. Gravity Correction, +.027.

1	29° 37'	29° 48'	48° 7'	49° 4'	42° 7'	55° 7'	2° 0'	2° 7'	* 396	* 310	86	89	SW	2	SW	3	4	10	* 130	☉ showers.
2	* 72	* 82	50° 3'	49° 8'	42° 8'	55° 8'	1° 6'	2° 2'	* 324	* 302	89	85	W	2	W	1	10	8	* 092	☉ ⁰ a.
3	* 81	* 84	55° 7'	57° 7'	49° 2'	60° 4'	1° 4'	3° 0'	* 404	* 390	91	81	S	1	SW	4	10	10	* 060	☉ ⁰ a.
4	* 83	29° 72'	54° 2'	55° 1'	53° 0'	58° 0'	1° 5'	2° 4'	* 378	* 366	90	84	WSW	4	S	3	10	10	* 300	☉ Constant ☉ all day.
5	29° 47'	28° 88'	54° 7'	55° 1'	52° 4'	57° 4'	1° 3'	1° 4'	* 344	* 394	80	90	SE	4	SE	7	10	10	* 150	☉ from 4p. with ☉
6	28° 85'	28° 90'	49° 0'	45° 7'	43° 4'	50° 6'	1° 3'	2° 4'	* 315	* 254	91	83	SW	1	SW	4	10	0	* 050	☉ ⁰ showers in evening.
7	29° 07'	29° 31'	49° 7'	43° 8'	44° 6'	56° 2'	2° 8'	3° 0'	* 288	* 268	81	79	S	3	SW	4	2	0	—	Fine day.
8	* 43	28° 97'	48° 7'	46° 8'	43° 8'	56° 8'	2° 3'	1° 1'	* 289	* 294	84	92	S	2	SW	4	9	10	* 330	☉ in evening.
9	29° 20'	29° 46'	52° 7'	47° 7'	46° 0'	59° 4'	4° 0'	2° 0'	* 296	* 283	74	86	SW	3	SW	3	5	0	* 010	☉ ⁰ showers in evening.
10	29° 51'	29° 30'	49° 0'	48° 7'	44° 2'	56° 2'	2° 6'	2° 0'	* 285	* 296	82	86	S	2	S	2	3	0	* 050	☉ Fine till 3p. then ☉ showers.
11	28° 89	28° 85	54° 7'	49° 9'	46° 8'	56° 6'	1° 2'	2° 2'	* 394	* 280	93	85	SE	4	SW	5	10	2	* 120	☉ till noon. ☉ Fine in afternoon.
12	29° 04	29° 13	45° 6'	43° 0'	42° 2'	53° 4'	2° 9'	1° 8'	* 242	* 238	80	85	SW	4	SW	1	1	0	* 010	☉ showers.
13	28° 98	28° 34	43° 7'	44° 7'	37° 0'	48° 0'	2° 0'	1° 0'	* 248	* 273	85	93	SW	1	NW	5	10	10	* 660	☉ from noon. ☉ ² in evening.
14	28° 70	29° 16	45° 7'	45° 7'	41° 8'	50° 2'	2° 5'	1° 5'	* 251	* 273	82	90	SW	3	WSW	4	8	6	* 180	☉ ² 11a.—1p. ☉ showers in evening.
15	29° 16	* 32	42° 7'	41° 3'	39° 0'	51° 7'	1° 5'	1° 1'	* 241	* 236	88	92	W	2	W	1	2	0	* 330	Fine day.
16	28° 76	* 26	46° 8'	45° 3'	39° 8'	48° 2'	0° 6'	2° 5'	* 306	* 245	95	82	N	1	W	3	10	8	* 450	☉ ² during day.
17	29° 50	* 74	43° 7'	44° 7'	39° 6'	54° 4'	1° 0'	1° 0'	* 262	* 273	92	93	NW	1	NW	2	1	1	* 050	☉ showers.
18	* 72	* 09	45° 7'	50° 7'	39° 6'	51° 0'	1° 5'	1° 2'	* 273	* 340	90	92	SW	3	SW	6	5	10	* 230	☉ from 2p.
19	* 23	29° 16	42° 1'	43° 0'	40° 0'	51° 2'	1° 5'	1° 5'	* 236	* 245	88	88	W	2	SW	3	2	0	* 030	Fine day.
20	29° 08	28° 90	44° 8'	45° 7'	33° 9'	53° 3'	2° 1'	1° 1'	* 250	* 282	85	93	SSW	2	S	2	5	2	* 140	☉ ² 4° 30p.—5° 30p.
21	28° 72	28° 77	47° 6'	47° 7'	42° 8'	52° 4'	2° 0'	2° 0'	* 262	* 283	80	86	S	2	SW	3	10	8	—	☉ shower in evening.
22	28° 80	29° 05	44° 7'	44° 7'	41° 2'	53° 8'	1° 3'	1° 6'	* 266	* 259	90	88	S	2	SW	1	1	0	* 010	☉ before 9a. ☉ showers in evening
23	29° 25	* 51	39° 9'	45° 8'	35° 3'	48° 5'	0° 4'	0° 8'	* 238	* 299	97	94	SW	2	SE	2	2	10	* 030	☉☉☉ before 9a. ☉☉☉ showers in evening
24	* 71	* 79	42° 7'	38° 7'	37° 2'	50° 8'	1° 5'	1° 3'	* 241	* 210	88	60	N	1	Calm	0	3	0	—	Fine day.
25	29° 84	29° 99	32° 7'	37° 7'	30° 8'	50° 7'	1° 0'	1° 2'	* 105	* 203	88	90	SW	1	Calm	0	1	0	—	Fine day.
26	30° 06	30° 10	44° 7'	40° 7'	33° 4'	51° 4'	1° 0'	1° 0'	* 273	* 233	93	92	NE	2	NE	1	7	0	—	Fine day.
27	* 14	* 14	40° 8'	41° 0'	38° 6'	52° 1'	0° 8'	1° 0'	* 237	* 235	94	92	NE	1	NE	1	0	0	—	Fine day.
28	* 16	* 23	46° 5'	40° 7'	38° 8'	52° 2'	2° 8'	0° 8'	* 253	* 237	81	93	SE	2	N	1	8	0	—	Fine day.
29	* 38	* 48	34° 2'	37° 5'	32° 4'	46° 0'	0° 4'	0° 8'	* 190	* 259	95	93	S	2	Calm	0	10	0	—	☉☉☉ all day.
30	* 54	* 55	32° 2'	38° 7'	30° 6'	42° 0'	0° 3'	0° 7'	* 177	* 221	97	94	S	1	N	1	10	10	—	☉☉☉ all day.
31	30° 58	30° 57	39° 7'	39° 5'	32° 0'	49° 8'	0° 9'	0° 8'	* 226	* 226	92	94	S	1	Calm	0	0	0	—	Fine day.
Mean	29° 47° 0	29° 47° 8	45° 6'	45° 4'	40° 6'	52° 9'	1° 7'	1° 6'	* 272	* 272	87° 8	88° 9	2° 1		2° 5	5° 8	4° 0	3° 10		

ARMAGH.—OCTOBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.	Rain.	Remarks.			
							Dep. of Wet.	Vapour Tension.	Per-centage.								
	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.				
1	ins.	ins.	51.6	47.6	42.8	57.2	2.8	1.8	in.	in.	%	%	SSW 1	SW 2	4	10	ins.
2	29.26	29.39	51.6	47.6	42.8	57.2	2.8	1.8	.311	.286	81	83	SSW 1	SW 2	4	10	.025
3	71	73	51.6	49.1	46.1	58.5	2.9	2.6	.309	.286	80	82	W 1	SSW 1	8	9	.024
4	64	79	55.2	55.7	48.2	61.6	2.3	2.0	.398	.388	91	87	SSW 3	S 3	10	10	—
5	74	29.65	55.7	54.2	52.1	60.5	2.8	3.0	.366	.337	82	80	S 3	SSE 3	8	10	—
6	29.37	28.83	56.9	54.9	53.5	58.1	4.0	1.0	.351	.403	75	94	SSE 4	SE 6	7	10	.637 (gale).
7	28.74	28.84	49.6	44.7	44.2	56.0	1.7	2.1	.313	.249	88	85	SSW 2	S 2	10	0	.035
8	29.01	29.22	53.6	46.0	44.0	57.3	3.6	1.8	.303	.269	76	87	S 3	S 2	8	0	—
9	34	28.90	51.9	58.0	41.3	58.8	3.3	0.5	.303	.467	79	97	S 3	S 4	4	10	.316
10	15	29.38	53.0	57.6	46.9	58.5	3.8	2.6	.394	.268	75	82	SSW 4	S 3	9	0	—
11	29.42	29.27	52.2	48.9	42.1	58.6	2.7	1.1	.321	.320	82	93	S 2	S 2	2	4	.087
12	28.76	28.80	54.6	45.8	45.8	56.6	0.8	2.1	.464	.261	95	85	SE 5	SSW 4	10	0	.250
13	97	29.03	48.4	41.7	41.6	51.8	2.7	1.7	.275	.228	82	87	S 3	S 1	3	4	.041
14	82	28.31	47.0	46.0	35.7	54.2	1.5	1.4	.287	.278	90	90	ESE 2	SSW 4	10	9	.917 (gale).
15	28.64	29.08	46.6	46.1	42.3	52.5	2.9	2.3	.252	.260	80	84	SSW 5	SSW 3	8	7	.017
16	29.06	.22	47.6	42.2	39.4	51.6	3.2	1.5	.257	.237	78	89	SSW 1	S 2	7	4	.493
17	28.66	.18	47.3	43.8	39.2	49.7	1.3	1.0	.294	.264	91	92	S 2	SW 2	10	10	.059
18	29.41	.62	45.2	42.6	38.8	54.5	1.6	0.9	.264	.253	88	93	SSW 1	SW 1	9	8	.018
19	.62	.02	45.7	50.0	37.5	53.0	1.9	0.9	.265	.337	87	94	S 2	S 4	10	10	.398
20	29.13	29.06	46.4	42.6	39.7	51.6	3.1	1.6	.246	.238	79	87	SW 1	S 2	3	3	.004
21	28.97	28.81	49.6	45.0	39.1	54.7	3.1	1.0	.280	.275	80	92	SSE 3	S 2	3	2	.075
22	.62	.70	49.5	45.7	43.0	54.6	3.5	1.0	.270	.285	76	94	SSE 3	S 2	8	0	—
23	28.79	28.94	48.0	43.8	39.6	53.5	2.4	1.3	.276	.257	83	90	S 1	S 1	0	2	—
24	29.11	29.36	39.5	41.6	33.0	55.3	0.7	0.8	.238	.247	94	94	S 0.5	S 1	1	7	—
25	.60	.66	40.0	36.0	33.5	54.7	1.2	2.4	.222	.168	90	79	SSW 1	WSW 0.5	0	0	—
26	.72	.84	33.9	24.7	28.0	47.4	0.0	0.1	.105	.200	100	99	WSW 0.5	SW 0.5	10	2	.005
27	.89	.91	47.4	44.0	33.1	52.8	2.1	2.0	.277	.244	85	84	N 1	NE 2	4	5	—
28	29.96	29.98	48.0	44.8	39.9	51.5	3.2	2.6	.259	.239	78	81	NE 2	ENE 2	7	2	—
29	30.00	30.11	48.1	38.6	38.1	51.8	3.4	0.6	.256	.222	76	95	E 3	ENE 1	10	0	—
30	.25	.33	36.9	35.0	28.3	52.0	1.0	0.1	.200	.202	92	99	ENE 0.5	ENE 0.5	10	0	.010
31	.39	.39	37.0	42.5	31.3	44.0	0.0	1.8	.220	.234	100	86	ENE 0.5	ENE 1	10	10	—
31	30.45	30.42	47.2	37.1	30.0	51.0	3.6	0.3	.243	.215	76	97	ENE 1	SE 1	0	9	.007
Mean	29.361	29.379	47.9	45.0	39.9	54.3	2.3	1.5	.282	.272	84.2	89.2	2.1	2.1	6.7	5.1	3.418

MARKREE CASTLE (SLIGO).—OCTOBER 1891.

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

1	29°35'	29°49'	50°3'	49°7'	50°0'	50°2'	2°3'	2°0'	3°09'	3°07'	85	87	SSW	0°5'	WNW	1	7	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
---	--------	--------	-------	-------	-------	-------	------	------	-------	-------	----	----	-----	------	-----	---	---	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--















DUBLIN (PHENIX PARK).—OCTOBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	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.	50°6	44°5	43°5	57°8	3°2	2°0	in.	in.	WSW 1	WSW 1	5	0	ins.	Beautiful day.
2	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
3	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
4	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
5	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
6	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
7	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
8	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
9	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
10	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
11	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
12	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
13	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
14	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
15	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
16	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
17	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
18	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
19	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
20	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
21	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
22	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
23	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
24	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
25	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
26	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
27	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
28	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
29	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
30	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
31	29°34	29°50	50°6	44°5	43°5	57°8	3°2	2°0	29°34	29°50	WSW 1	WSW 1	5	0	—	Beautiful day.
Mean	29°445	29°472	48°8	45°9	40°0	55°5	3°3	2°4	272	260	77°9	83°3	1°4	1°1	4°3	2°860

PARSONSTOWN (BIRR CASTLE).—OCTOBER 1891.

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.

1	29°33	29°51	48°7	44°9	40°3	55°7	2°0	1°0	296	275	86	93	W	1	Calm	0	0	10	°042	Bright a.   p.
2	°72	°80	51°9	49°9	43°8	56°9	3°6	2°0	260	309	77	87	W	1	Calm	0	0	10	°022	Bright a.
3	°83	°83	55°7	55°3	48°8	63°7	1°8	2°1	393	378	88	86	Calm	0	SE	1	10	10	—	Dull and gloomy.
4	°78	°68	57°3	54°7	51°9	59°7	3°4	2°8	371	351	79	81	SE	1	SE	1	9	10	—	Dull day.
5	29°36	29°82	55°9	56°9	52°2	58°3	3°0	1°2	304	427	81	93	ESE	1	SE	4	9	10	°540	Dull and squally.
6	28°79	28°87	49°7	44°1	43°3	56°9	2°4	1°2	297	262	84	90	Calm	0	Calm	0	0	0	—	Fine, but cool.
7	29°06	29°28	51°5	44°9	42°9	56°7	3°6	1°6	292	251	76	88	Calm	0	Calm	0	3	0	—	Fine, but cool.
8	°35	28°98	51°1	58°7	41°8	59°1	7°2	2°0	215	432	58	87	SE	1	SE	1	8	10	°272	Dull and gloomy, with  .
9	°25	29°46	53°6	45°9	44°5	58°9	4°1	2°0	304	265	74	86	SW	1	Calm	0	9	0	—	Dull and gloomy.
10	29°46	29°27	51°9	47°4	44°3	58°5	7°6	0°8	216	324	56	94	SE	1	SE	1	0	3	°280	Fine and bright.
11	28°76	28°91	52°9	45°7	44°8	55°3	0°6	2°6	384	249	96	82	SW	1	SW	1	10	9	°085	°2 a. Day dull, with  .
12	29°03	29°11	46°5	37°9	37°1	52°3	2°6	1°0	257	209	82	92	Calm	0	Calm	0	3	0	°132	Fine day. Dull, with   in even-
13	28°75	28°50	47°9	40°9	34°8	55°9	1°0	1°6	303	283	93	89	SE	1	SE	1	10	3	°412	Dull and gloomy, with   .
14	28°78	29°21	47°9	42°7	41°8	53°5	3°0	0°8	264	257	80	93	SW	2	SE	1	10	0	°142	Dull, with  .
15	29°10	°20	42°9	42°3	35°7	49°3	0°9	1°8	256	232	93	87	Calm	0	Calm	0	8	10	°370	Dull, cold, and gloomy.
16	28°77	°31	41°9	42°7	39°2	49°7	0°9	0°6	246	261	93	95	SW	1	Calm	0	10	3	°170	Dull and gloomy, with  .
17	29°46	°72	45°7	42°7	39°6	54°2	0°8	0°8	290	257	95	93	SW	1	Calm	0	10	4	—	Gloomy a.
18	°68	°11	45°7	51°7	37°8	51°7	1°2	0°5	280	371	92	86	SE	1	SW	1	10	10	°470	Dull and gloomy, with  .
19	29°19	29°13	44°7	41°9	39°6	52°9	2°2	1°5	247	235	84	89	Calm	0	Calm	0	4	0	—	Fine day.
20	28°96	28°81	48°9	43°9	38°2	54°2	2°4	1°0	289	265	84	92	SE	1	SW	1	6	9	°342	Fine a. Dull, with   in evening.
21	°62	°74	46°9	43°9	41°9	52°3	2°1	1°0	273	265	86	92	SE	1	Calm	0	0	0	°140	Fine and bright.
22	28°81	28°96	41°9	40°7	36°9	53°8	1°0	0°8	246	237	93	93	Calm	0	Calm	0	3	0	—	Fine and bright.
23	29°11	29°42	40°8	43°9	35°8	52°3	0°7	0°8	339	268	95	94	Calm	0	Calm	0	6	4	—	Fine and bright.
24	°66	°69	38°3	34°8	32°8	51°9	0°4	0°5	223	192	97	95	Calm	0	Calm	0	0	0	—	Fine and bright.
25	°75	°82	33°5	37°7	26°6	50°9	0°6	2°4	180	181	94	79	Calm	0	Calm	0	0	0	—	°2 n. Fine and bright.
26	°85	°86	42°9	45°9	30°7	52°9	1°0	1°6	255	273	92	89	NE	1	Calm	0	10	9	—	°2 n. Dull a.
27	°88	29°88	48°9	48°9	38°7	51°5	2°6	2°6	284	284	82	82	SE	1	SE	1	10	10	—	Dull and gloomy.
28	29°95	30°06	47°1	38°7	37°8	52°9	2°2	0°8	272	220	84	94	Calm	0	Calm	0	10	0	—	Dull and gloomy.
29	30°23	°34	30°7	34°7	26°5	53°9	0°6	0°3	157	196	91	97	Calm	0	Calm	0	3	0	—	° n. Fine and bright.
30	°36	°36	30°2	37°9	28°1	46°9	0°1	0°1	166	225	99	99	Calm	0	Calm	0	10	0	—	° n. Dull, with  .
31	30°39	30°37	40°7	40°9	30°0	49°0	2°8	3°1	199	195	79	77	SE	1	SE	1	0	0	—	° n. Fine and bright.
Mean	29°388	29°451	46°3	44°9	39°0	54°2	2°2	1°4	270	272	85°3	89°8	0°6	0°5	5°8	4°3	3°410			

DEERNESS.—NOVEMBER 1891.

Height above Mean Sea Level, 169 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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.			Vapour Tension.							
	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.	50°0	47°5	46°5	51°0	1°4	1°0	in.	in.	%	%	ESE 1	SE 1	9	10	—	
2	30°55	30°55	50°0	47°5	46°5	51°0	1°4	1°0	304	304	90	94	ESE 1	SE 1	9	10	—	
3	48	40	48°8	47°8	45°8	49°6	1°8	1°8	300	288	87	87	SSE 4	S 2	10	9	—	
4	36	37	47°0	46°0	44°0	48°8	2°6	1°3	262	280	82	91	N 1	NE 2	10	0	—	Very fine.
5	46	51	44°8	42°0	40°0	47°8	3°3	2°0	226	225	76	85	NE 3	Cal'm 0	9	10	—	Very fine.
6	45	31	41°0	44°3	38°0	47°8	1°7	1°3	221	261	86	90	SSW 2	W 2	0	0	—	Very fine. ☼.
7	19	30°02	45°6	47°0	40°3	47°1	0°9	2°0	285	275	94	86	SSW 2	SSW 5	10	10	130	∞
8	30°07	20°88	43°1	46°0	40°5	47°8	1°3	2°4	250	257	89	83	W 2	SSW 4	8	10	—	
9	20°48	20°15	46°8	46°8	44°0	47°6	4°6	2°5	220	262	69	82	S 8	S 9	9	10	090	
10	28°98	28°95	46°0	43°0	42°0	47°8	3°0	2°0	244	234	79	84	S 6	SSW 2	7	5	—	Bands of cir. in all directions. ∞ gp.
11	94	20°03	41°2	43°0	38°0	44°3	1°4	3°9	229	199	89	72	WSW 15	S 4	7	3	—	
12	78	28°29	46°3	47°0	41°0	47°8	3°6	0°9	235	301	75	94	ESE 7	E 8	10	10	1060	
13	28°56	20°08	43°5	44°1	41°0	47°8	2°4	3°1	231	223	82	77	W 9	SSW 5	10	0	040	2 2 before ga.
14	29°12	04	48°0	47°5	42°0	48°3	2°0	1°5	285	292	86	90	SE 6	SE 6	10	10	200	showers p.
15	00	23	46°9	46°0	43°0	48°8	2°9	2°0	254	265	80	86	SSE 5	SSE 1	8	0	—	
16	35	42	44°1	41°5	41°0	47°8	1°9	1°4	247	235	85	90	S 1	Cal'm 0	0	0	—	Bands of cir. N. to S. Fine all day.
17	45	47	43°4	44°2	40°0	45°9	0°7	4°0	266	207	95	71	SSW 1	SSE 5	7	8	050	showers p.
18	42	51	45°0	41°6	40°5	45°8	3°9	1°6	216	220	73	88	S 6	SW 1	3	0	—	Bands of cir. like arrow heads pointing to S.
19	59	23	42°7	46°6	37°0	46°8	2°2	0°6	228	303	83	96	S 3	SSE 7	0	10	420	☼ 2
20	28	21	46°0	45°4	43°0	47°8	2°3	1°6	259	267	84	89	S 5	SSW 1	1	10	030	Bands of cir. from N.
21	47	64	44°6	42°8	41°5	47°0	1°4	1°2	263	249	89	91	NNW 2	NNX 4	2	3	050	
22	68	72	40°0	41°2	38°0	43°9	3°0	3°3	189	198	76	77	NNE 3	N 3	1	4	060	
23	71	63	38°8	40°2	35°0	43°4	1°8	1°2	201	224	85	90	N 1	Cal'm 0	4	10	—	
24	56	59	41°0	40°2	38°0	47°8	3°2	1°2	194	224	76	90	S 4	W 1	1	10	100	Overcast all day.
25	62	51	38°7	40°5	36°0	40°8	1°6	2°5	204	199	87	80	WSW 1	S 3	3	3	—	<
26	31	28	42°4	41°0	38°0	43°4	2°9	2°3	212	210	79	82	S 8	SSW 4	9	1	—	Meteors seen.
27	26	37	36°0	38°4	34°2	42°3	1°0	2°0	193	193	91	84	Cal'm 0	WbyN1	1	0	—	Fine all day.
28	50	50	38°0	40°2	34°5	40°8	2°0	2°2	190	205	83	83	NW 1	SW 2	1	0	—	
29	20°36	08	41°8	45°7	39°0	47°8	2°8	1°5	209	272	79	89	SSE 7	SSE 9	0	10	040	
30	28°93	32	45°3	40°0	38°0	46°8	2°1	2°0	254	207	84	84	SbyW 8	SW 4	9	1	160	
30	20°32	20°33	42°4	44°7	37°5	45°3	3°4	2°1	203	249	75	84	S 5	SSW 5	3	0	—	
Mean	20°541	20°521	43°6	43°7	39°9	46°3	2°3	1°9	236	244	82°0	85°6	3°8	3°4	5°7	5°2	2°430	

BRAEMAR.—NOVEMBER 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.								Per-centage.			
	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.					
1	ins.	ins.	40.6	40.4	37.8	45.2	1.1	0.5	in.	in.	0.1	0.1	SE	0.5	SE	0.5	10	10	ins.	Damp, with ☁ all day.
2	40.2	39.2	39.4	39.8	37.3	48.0	0.9	1.3	22.4	21.9	93	90	SE	0.5	SW	0.5	10	4	—	Damp a. Meteors seen.
3	40.2	39.4	38.4	37.9	36.1	40.8	0.9	1.1	21.4	20.7	93	91	SW	0.5	SW	0.5	10	10	—	Meteors seen.
4	40.6	39.8	42.6	39.8	37.2	43.4	1.8	2.9	23.5	19.0	87	77	NE	0.5	NE	0.5	8	10	—	
5	40.4	39.6	33.6	40.6	33.0	43.8	0.2	1.1	18.9	23.0	97	91	E	0.5	NE	0.5	10	10	0.20	Fine day.
6	40.6	39.0	39.6	42.6	37.5	43.2	1.8	2.8	20.8	19.8	85	78	NW	0.5	NE	0.5	9	4	—	Fine day.
7	39.0	38.5	34.6	40.4	33.8	45.2	0.2	2.7	19.7	19.8	98	80	SW	0.5	SW	0.5	7	8	—	Fine day.
8	38.5	39.4	41.6	41.8	38.5	42.8	3.0	0.3	20.4	25.8	78	98	SW	6	SW	4	8	10	7.20	Stormy, dark and damp.
9	40.4	40.0	39.6	37.4	36.0	45.0	1.7	2.1	21.0	18.3	86	82	SW	4	SW	0.5	9	6	0.20	
10	38.0	38.0	35.6	37.6	34.2	41.0	2.0	2.4	17.4	18.1	82	81	SW	0.5	SW	2	5	8	3.10	Fine day.
11	37.5	37.2	38.6	36.6	36.0	44.3	1.1	0.3	21.3	21.1	92	98	SW	4	W	4	10	10	1.00	Stormy, with ☉ all day.
12	39.0	38.5	36.0	41.6	34.5	42.7	3.3	3.6	15.3	19.3	72	74	SW	4	SW	2	6	8	0.20	Fine, but cold.
13	40.8	37.8	44.4	42.9	39.0	45.8	2.9	1.2	23.0	25.0	79	91	SW	0.5	SE	0.5	8	9	2.70	Dull and dark, with ☉
14	37.5	38.5	38.0	37.9	36.0	43.2	1.4	1.2	21.0	20.5	90	90	SW	0.5	SW	0.5	8	7	0.30	Dark day.
15	38.6	40.5	33.9	36.7	33.2	40.1	0.2	0.8	19.1	20.2	93	93	N	0.5	N	2	9	9	0.30	Dull, dark and damp.
16	38.8	37.7	36.9	31.7	31.0	37.9	0.7	0.2	20.5	17.5	94	98	SW	0.5	S	0.5	10	1	—	Dull, dark and damp.
17	37.7	37.7	38.5	41.5	28.5	43.0	0.8	1.0	13.3	24.1	86	92	SW	0.5	SW	0.5	7	10	1.90	Dull, dark and damp.
18	39.0	39.0	42.6	41.9	39.0	49.0	2.4	1.3	22.3	23.9	82	91	SW	2	SW	2	7	6	1.70	Dull, dark and damp.
19	40.4	40.4	53.7	39.6	36.3	43.6	0.8	1.2	20.5	21.9	93	90	S	0.5	SW	0.5	4	9	0.20	Dull, dark and damp.
20	40.4	40.4	37.0	36.5	35.7	40.7	2.3	1.6	17.7	18.6	81	86	NE	0.5	NE	0.5	7	9	0.10	Dull, dark and damp.
21	40.4	40.4	35.7	31.4	39.0	39.0	1.0	0.9	19.2	15.5	91	88	NE	0.5	NE	0.5	7	3	—	
22	40.4	40.4	36.7	34.9	25.8	36.2	0.2	1.4	14.0	17.5	96	87	SE	0.5	SW	0.5	5	8	0.20	
23	40.4	40.4	39.9	20.7	18.8	35.7	0.2	0.3	16.1	10.1	97	91	SW	0.5	SW	0.5	10	10	—	
24	40.4	40.4	34.7	34.7	16.4	35.7	1.1	1.3	18.0	17.6	90	87	SW	1	SW	0.5	10	8	0.50	
25	40.4	40.4	28.7	22.7	21.0	34.7	0.0	0.7	15.8	0.97	100	80	SW	0.5	SW	0.5	3	0	—	Fair and clear.
26	40.4	40.4	21.7	22.9	19.4	33.4	0.2	0.2	11.0	11.6	94	95	SW	0.5	SW	0.5	0	1	—	Clear and frosty.
27	40.4	40.4	34.2	39.8	22.0	39.8	3.2	0.9	13.6	22.7	70	93	SW	0.5	SW	2	8	10	4.60	Dull day.
28	40.4	40.4	38.8	33.4	31.7	40.7	1.9	1.9	0.99	15.3	85	80	N	4	SW	0.5	8	1	—	
29	40.4	40.4	38.8	42.6	30.8	43.0	1.6	5.1	18.5	17.7	86	65	N	2	N	1	8	9	0.30	Dull day.
30	28.5	28.3	36.3	36.9	32.1	41.6	1.3	1.5	19.0	19.4	88.6	87.4	1.3	1.0	7.7	7.3	3.450			

LAUDALE.—NOVEMBER 1891.

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.

1	30.65	30.62	46.6	43.9	35.1	55.3	1.4	1.9	28.5	24.5	90	86	Calm	0	Calm	0	8	0	—	Clear and mild p.
2	58	57	42.0	47.0	39.3	52.2	0.7	3.0	25.2	25.3	94	79	Calm	0	Calm	0	0	10	—	Clear till 5 p., then dull.
3	50	59	37.0	44.9	35.0	47.7	0.5	1.0	21.0	27.5	96	93	Calm	0	Calm	0	2	0	—	Dull till 4 p., then clear.
4	59	65	44.0	45.0	36.0	46.7	1.0	1.3	26.5	26.8	92	90	Calm	0	Calm	0	10	10	—	Calm and mild all day.
5	65	55	44.8	44.9	43.0	46.3	1.8	0.9	25.5	27.6	86	93	Calm	0	Calm	0	10	10	—	Dull and calm. $\frac{1}{2}$ (mist) p.
6	43	42	47.0	45.7	38.0	49.0	3.0	0.8	25.3	29.0	79	95	Calm	0	SE	1	10	7	140	8 p.
7	30.41	30.11	40.7	47.0	36.0	49.3	0.5	4.0	24.3	23.3	96	73	SSW	1	SW	1	7	8	—	
8	29.73	29.34	47.3	48.5	45.0	48.9	1.2	2.0	20.7	29.2	92	86	S	7	SW	2	10	10	830	all day.
9	23	13	43.8	40.0	37.0	50.7	2.5	1.1	23.2	22.4	80	91	NW	1	NW	1	10	6	586	most of day. Snow on the hills.
10	29.21	29.15	43.6	44.0	38.7	44.9	4.9	2.5	18.7	23.4	65	81	NW	3	NW	2	7	10	320	
11	28.68	28.57	42.5	41.5	39.9	44.5	1.7	1.5	23.6	23.0	87	88	NW	3	SW	8	10	10	400	most of day. $\frac{1}{2}$ at night. Bar.
12	29.00	29.15	44.8	48.0	38.7	48.0	5.5	4.0	18.7	24.3	63	73	NW	3	ESE	5	7	7	—	[28.53 8 p.]
13	05	28.97	50.1	44.0	41.0	51.7	4.2	0.5	26.2	27.7	72	96	S	4	S	5	10	10	036	Squally (gale) during day.
14	11	29.28	45.6	45.0	41.0	46.9	2.4	3.1	25.2	23.1	82	77	S	2	Calm	0	10	0	—	Fine from 3 p.
15	41	54	45.5	37.8	36.7	47.3	2.2	0.9	25.5	21.0	84	93	SE	2	Calm	0	8	2	—	Fine and clear all day.
16	56	57	37.0	42.0	34.0	45.7	1.0	3.0	20.0	20.7	91	78	NE	1	Calm	0	2	6	100	Fine and clear.
17	56	74	41.0	41.3	37.5	44.5	1.3	1.3	22.9	23.2	90	90	NNW	3	NNW	2	8	10	130	(sleet) showers all day.
18	65	46	44.0	47.7	36.0	49.0	3.0	2.8	22.4	26.6	77	81	SE	5	S	3	10	10	250	from noon.
19	45	50	48.2	48.6	39.0	50.1	3.2	3.1	26.1	26.9	78	79	NW	1	NW	3	10	10	450	
20	66	80	46.0	36.0	34.9	48.0	1.8	1.0	26.9	19.3	87	91	NW	3	N	1	0	4	156	showers all day.
21	86	89	38.1	35.3	34.2	46.0	2.1	0.7	18.9	19.3	82	94	N	1	N	1	0	2	—	Clear all day.
22	90	80	29.8	32.2	27.7	39.0	0.8	1.3	14.4	15.3	86	84	Calm	0	ESE	1	0	2	—	Clear and cold.
23	76	74	40.0	41.3	29.1	41.3	0.8	1.3	23.0	23.2	94	90	SW	1	NW	2	10	8	120	showers p.
24	77	66	33.0	39.0	31.0	41.3	1.6	2.0	15.5	19.9	82	84	N	2	ESE	2	2	3	140	Cloudy a. Fine p.
25	43	48	37.1	37.0	35.0	40.3	1.1	1.0	19.9	20.0	90	91	NW	3	ESE	2	10	3	200	(sleet) showers a.
26	48	59	35.2	31.3	29.7	38.3	0.5	1.2	19.6	14.7	95	83	NNE	2	Calm	0	10	8	150	(sleet) showers a. and p.
27	69	70	30.0	41.5	25.0	41.7	1.9	5.5	11.8	16.1	71	62	N	2	ESE	3	2	10	—	
28	38	17	42.7	47.0	30.0	47.3	3.7	3.6	20.0	24.1	73	75	ESE	5	SE	6	10	10	1200	Dry.
29	38	59	45.7	39.7	37.9	48.7	1.2	0.7	25.8	23.0	90	94	WSW	4	SW	2	10	10	160	
30	29.49	29.53	44.0	44.3	39.3	46.1	1.3	2.1	25.9	24.5	90	84	SW	5	SW	1	10	10	140	Squally a. showers.
Mean	29.708	29.695	41.8	42.4	36.0	46.6	2.0	2.0	22.7	23.2	84.5	85.1	2.1		1.8	7.4	6.9	5.530		

DUNDEE.—NOVEMBER 1891.

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.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.	Vapour Tension.		Per-centage.											
	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.	43.7	45.2	41.7	45.3	0.7	0.7	26.9	28.7	94	95	S	1	E	1	10	10	—	Dull day.	
2	50	44	46.4	46.5	45.2	51.2	0.9	0.9	29.4	29.5	94	93	E	1	E	1	10	10	—	Dull day.	
3	51	36	44.9	42.0	41.8	50.0	1.4	1.0	26.6	29.0	92	90	N	1	W	1	10	10	—	Dull day.	
4	40	52	44.4	42.8	41.3	45.8	0.6	2.8	23.8	21.7	95	79	N	2	NE	2	10	10	—	Dull day.	
5	52	41	41.7	41.9	39.3	43.8	1.0	2.0	24.3	22.6	93	86	W	1	W	1	10	10	—	Dull day.	
6	29	21	40.0	41.7	40.0	44.1	0.6	1.7	23.4	23.8	95	87	SW	1	W	1	10	10	—	Dull day.	
7	30.18	30.00	42.2	43.5	41.7	47.6	0.5	1.0	25.8	26.0	96	92	W	1	W	1	10	10	—		
8	29.69	29.35	44.2	42.5	41.6	47.2	1.8	1.2	25.9	24.6	86	90	SW	2	SW	1	10	10	0.70	Dull day. ● from 7p.	
9	15	05	43.7	39.2	38.3	46.9	2.2	0.8	23.8	22.4	83	93	SW	1	SW	1	5	0	—		
10	29.10	29.13	38.3	38.0	36.3	44.8	1.2	0.7	20.7	21.4	90	94	SW	1	S	1	0	5	4.30		
11	28.57	28.26	43.6	41.4	37.8	43.8	0.8	0.8	27.9	24.4	98	94	E	12	SW	2	10	10	7.90	● (gale) n. and till noon.	
12	29.03	29.13	40.5	41.5	38.3	41.6	2.4	1.2	20.4	23.7	81	90	SW	4	S	1	5	5	—		
13	01	28.90	41.4	42.9	40.3	43.1	0.3	1.4	25.4	24.6	97	89	SE	6	SE	1	10	10	5.40	● n. and during day.	
14	06	29.18	38.6	42.7	38.6	44.2	0.5	0.7	22.4	25.9	95	94	N	1	SE	1	10	10	2.70		
15	29	39	39.5	40.2	39.5	43.9	1.0	0.7	22.2	23.5	92	94	NE	1	E	1	10	10	1.70	● showers n. and during day.	
16	46	46	44.1	41.2	40.2	44.8	3.7	1.8	21.2	22.1	72	86	E	1	E	1	10	10	0.40	● at night.	
17	47	57	41.3	37.2	35.5	43.3	0.5	1.0	25.0	20.2	96	91	S	1	SW	1	10	5	0.70	☁ till 11a. ●	
18	65	32	33.8	44.6	31.0	45.3	0.5	0.3	18.4	28.7	94	97	N	1	SE	1	10	10	3.30	● from noon.	
19	42	38	44.3	46.0	41.1	46.2	1.8	1.3	25.2	28.0	86	91	SW	4	SW	4	0	10	0.10		
20	51	62	41.7	43.6	38.2	49.8	0.3	3.7	25.8	20.8	97	73	NW	1	NW	1	5	5	—		
21	70	69	37.2	36.6	36.0	45.3	1.5	1.9	19.3	18.2	87	84	NW	1	NW	1	5	5	—	Fine day.	
22	72	65	35.9	35.6	34.2	41.7	1.0	1.1	19.4	18.9	92	90	NW	1	NW	1	5	5	0.20		
23	66	70	31.4	33.4	28.2	35.8	0.8	0.6	15.7	17.9	89	93	S	1	N	1	10	10	—	☁.	
24	67	60	33.9	31.6	30.2	36.8	0.1	0.1	19.3	17.6	99	99	N	1	NW	1	10	10	—	☁.	
25	42	37	36.9	35.2	30.3	38.2	0.9	0.6	20.1	19.4	92	94	S	2	SE	1	10	10	0.20	☁ ⁰ showers during day.	
26	33	43	33.7	30.7	29.7	36.6	0.4	0.9	18.6	14.8	95	86	W	1	NW	1	10	5	—		
27	59	61	29.4	29.7	28.7	34.8	0.7	0.2	14.4	16.0	89	97	SW	1	W	2	0	0	—	☁ till 8.30a. Fine day.	
28	44	29	35.9	43.8	27.5	45.2	3.6	2.1	14.8	24.1	70	84	SE	2	SE	4	10	10	2.30	● showers from 10a. Stormy 12.—5p	
29	28	43	41.7	36.4	36.4	48.4	1.8	1.6	22.7	18.5	87	86	SW	4	SW	2	5	10	—	Dull from 2p.	
30	29.47	29.44	32.1	41.5	30.2	46.6	1.1	1.9	15.6	22.3	86	86	S	1	SW	1	5	10	0.10	Dull, with ● ⁰ showers.	
Mean	29.617	29.580	39.5	40.0	36.6	44.1	1.1	1.2	22.3	22.5	90.3	90.0			2.0		1.3	7.8	8.2	2.990	

1	30°46	30°44	48°2	48°1	48°3	0°5	0°6	*325	*321	97	96	NE	1	NE	3	10	10	*010	Dull, with ☉ ⁰ .
2	*47	*42	49°6	48°8	47°8	50°8	0°9	1°4	*331	*309	94	90	NE	2	NE	1	10	0	—
3	*35	*28	48°6	45°7	45°7	40°2	2°6	1°0	*279	*284	82	94	NE	2	NE	3	10	10	—
4	*27	*41	48°6	47°9	45°3	48°9	3°0	2°0	*271	*285	79	85	NE	5	NE	3	10	10	Dull day.
5	*50	*39	44°0	43°9	42°7	48°1	1°7	2°9	*250	*225	86	78	N	1	SW	1	9	10	Dull, with cold ☉ showers.
6	*30	*26	43°5	43°7	42°0	46°2	0°7	1°1	*267	*260	93	91	W	1	SW	1	9	10	Dull day. ☉ in afternoon.
7	30°32	30°12	42°0	40°7	40°6	48°0	1°2	1°1	*241	*231	91	91	S	1	SE	1	9	0	Dull a. Day bright at times.
8	29°52	29°52	36°5	37°5	32°3	43°8	1°9	0°7	*180	*210	83	93	SW	2	S	4	0	0	Fine day.
9	*28	*15	40°2	37°9	36°3	43°2	0°5	0°6	*238	*216	96	95	S	3	SW	1	10	2	Very fine.
10	29°26	29°21	37°7	39°7	35°3	42°7	0°7	0°6	*212	*231	94	95	SW	3	S	2	0	2	☉ a. Very fine afternoon.
11	28°41	28°51	48°3	42°7	39°3	50°6	0°4	2°4	*329	*225	97	82	SE	9	W	8	10	5	Very fine.
12	29°17	29°19	38°8	45°2	37°6	45°2	1°7	1°6	*202	*264	86	88	SW	4	S	5	8	0	Violent storm. Bright night.
13	28°94	28°97	48°4	41°4	41°3	48°2	0°6	0°6	*317	*247	96	94	SE	5	SW	1	10	0	Very fine.
14	29°10	29°19	41°7	45°1	35°5	47°3	0°9	0°8	*244	*380	93	93	NE	1	NE	1	2	1	Stormy, with ☉ a. Very fine evening.
15	*17	*20	47°0	47°7	43°0	48°7	0°6	1°4	*307	*297	96	90	E	4	E	5	10	10	Very fine.
16	*31	*49	41°2	44°9	39°0	49°0	1°3	0°6	*231	*284	90	95	NE	4	E	3	10	9	Stormy, with ☉.
17	*50	*62	44°8	37°7	37°4	49°0	0°5	1°0	*285	*206	97	91	SE	2	NW	1	10	1	Dull day. Rough sea. Fair afternoon.
18	*76	*52	40°1	52°6	30°0	53°0	1°2	1°2	*224	*364	90	92	SW	3	SW	5	10	2	Dull, with ☉ a., then very fine.
19	*63	*63	48°2	46°7	45°1	54°1	1°3	2°1	*305	*270	91	85	SW	2	SW	3	4	2	Dull, with ☉ a. ☐
20	*65	*61	42°6	42°3	40°0	48°0	1°1	1°2	*249	*244	91	91	SW	2	SW	1	2	6	Very fine.
21	*61	*59	42°7	41°7	38°7	47°4	0°5	1°2	*263	*238	96	91	NW	2	NW	2	6	10	☉ showers.
22	*62	*59	43°1	42°3	40°0	45°0	3°6	0°9	*205	*250	74	93	NE	4	E	2	9	8	Unsettled, with ☉.
23	*64	*72	38°2	34°6	34°0	45°0	0°7	0°4	*216	*192	95	90	NW	1	W	1	7	0	Unsettled, then very fine.
24	*72	*66	36°8	35°6	33°5	42°3	0°6	0°1	*205	*205	95	100	SW	1	Calm	0	10	10	Very dull, then fair.
25	*57	*46	31°6	35°4	29°3	36°2	0°0	0°5	*178	*196	100	96	S	1	SW	4	7	10	Fine a., then dull and cold. ☉ sp.
26	*43	*39	33°6	34°6	33°3	36°2	0°1	0°1	*190	*198	99	99	SW	2	SW	1	4	6	Fine day.
27	*58	*60	31°1	32°8	30°3	39°0	0°5	1°2	*162	*161	92	86	SW	1	SW	1	0	0	Cloudless day.
28	*57	*41	33°9	39°4	30°0	39°4	0°4	0°3	*186	*235	96	98	S	3	SE	5	7	10	Fine day. Stormy, with ☉ at night.
29	*46	*58	39°7	35°4	34°3	41°2	0°4	0°3	*236	*200	96	97	SW	1	SW	1	10	0	Dull and damp a., then fine. Brilliant
30	29°51	29°59	33°6	37°7	32°3	38°6	0°8	0°6	*176	*214	91	95	S	2	SW	1	5	3	☉.
Mean	29°549	29°533	41°5	41°7	38°0	45°8	1°0	1°0	*244	*245	91°9	92°0	2°5	2°2	7°2	5°2	2°7,30		

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.								9 a.m.
1	ins.	ins.	50.3	48.0	45.0	51.2	1.1	1.0	336	309	92	93	E 2	NE 3	10	2	ins.	Dull day. ☁ 9p.
2	45	40	49.8	50.2	46.5	51.8	2.1	2.0	305	312	85	86	SE 4	E 4	10	10	—	Dull day.
3	34	31	49.8	48.2	46.0	51.2	2.6	1.7	203	205	82	89	ESE 4	E 4.5	3	10	—	Fine day.
4	38	48	47.5	47.2	45.2	49.8	1.5	1.4	202	201	91	91	ENE 2	NE 1	10	10	—	Overcast.
5	54	44	45.4	44.8	38.0	49.5	0.7	1.8	287	255	95	86	Calm 0	N 2	7	10	—	Dull day.
6	37	29	45.0	43.0	41.5	47.5	1.8	0.7	257	262	86	94	Calm 0	NW 2	10	10	—	Overcast.
7	30.24	30.09	47.3	41.2	39.5	51.5	0.3	0.2	319	255	98	98	WNW 1	W 2	8	6	—	Dull day. ☁ 9p.
8	29.80	29.42	48.8	47.0	40.2	49.3	2.8	0.1	278	321	80	99	SW 4.5	S 5.6	10	10	4.82	Overcast. ● showers. Squally
9	24	13	46.0	42.0	39.0	48.5	0.0	0.7	289	254	94	94	W 3	W 2	8	6	0.18	● a. Cloudy day. ● showers n.
10	29.28	29.06	44.3	47.0	40.8	47.0	1.5	1.0	257	208	88	93	W 3.4	SSE 5	7	10	762	Dull, with ● showers a. Squally
11	28.27	28.71	47.2	43.4	42.0	47.4	0.0	1.0	325	241	100	85	NNW 1	W 8.0	10	8	236	● a. Squally 2 ● showers p.
12	29.04	29.06	48.0	48.0	40.3	51.0	2.5	2.7	274	270	83	81	SW 4	SE 7.8	7	10	567	● showers. Squally 2 n.
13	28.84	28.91	46.7	44.8	40.7	48.5	0.1	1.0	317	273	99	92	Calm 0	W 3	10	10	614	Squally (gale) ● a. ● 2 ▲ T
14	29.03	29.11	46.7	47.2	36.5	49.7	1.3	1.5	288	288	91	90	SSE 3	E 4	6	10	003	● T before 9a. Dull day. [3p.
15	18	28	46.0	46.0	42.3	47.5	2.0	1.3	265	280	86	91	NE 2	NE 4	10	6	230	Overcast. ● from 11a.
16	40	48	48.2	48.0	43.5	51.2	1.9	2.5	200	274	87	83	NE 2	SSE 3.4	7	10	290	Cloudy day. ● at night.
17	53	66	45.0	41.2	38.5	47.7	1.7	1.0	266	237	87	92	W 1	NW 2	1	4	257	● a. Fine day. ☁ p.
18	57	49	45.0	49.0	37.7	53.4	0.1	0.5	207	335	99	97	SE 4	W 3	10	10	370	● a. Overcast, with ●
19	54	66	52.2	48.0	46.5	52.0	4.5	2.0	279	285	72	86	SW 5.6	W 5	6	8	003	Cloudy, with squally
20	60	64	47.8	46.0	44.5	48.7	1.5	1.0	205	287	89	93	W 4	NW 4.5	7	5	003	Cloudy a. Fine afternoon. ● 8.30p.
21	72	73	44.2	39.0	37.5	49.2	1.6	1.0	255	218	88	92	NW 1	NNW 2	1	4	002	Fine day.
22	71	67	40.3	32.7	32.0	45.2	2.3	0.4	204	178	82	95	N 2	N 1	2	2	—	● a. and p. Very fine.
23	69	70	33.6	39.0	29.0	47.0	0.7	0.2	179	234	92	98	Calm 0	Calm 0	7	10	110	☁ a. Dull day. ● from 4p.
24	71	62	38.2	30.0	29.2	44.5	0.4	0.5	232	154	96	92	NW 2	N 2	4	3	440	● a. Fine day. ☁ p.
25	41	43	44.0	38.8	30.0	45.0	1.0	0.8	265	220	92	94	S 3	WNW 2	10	4	274	● a. Dull afternoon.
26	42	46	41.0	39.0	34.5	42.5	2.4	1.5	208	200	81	88	W 4	N 2	4	7	101	☁ a. Cloudy, with ● showers.
27	68	64	37.8	35.0	32.3	49.1	1.1	0.0	205	204	91	100	Calm 0	NNE 2	1	4	002	☁ a. Fine day. ☁ p.
28	24	31	47.2	46.0	34.8	49.6	0.4	3.0	315	244	98	79	SSE 6	WSW 4	10	3	195	☁ till 2p. Overcast, with squally
29	48	57	43.0	31.8	31.4	46.0	2.4	0.6	226	165	82	93	W 3	N 1	4	7	070	Fine day. ☁ p.
30	29.52	29.48	44.0	41.0	30.1	47.4	1.0	0.8	265	239	92	94	SSW 5	Calm 0	10	10	618	☁ a. ☁ p.
Mean	29.626	29.618	45.3	43.1	38.3	48.7	1.5	1.2	272	256	89.2	91.3	2.6	3.1	6.9	7.2	5.666	

1	30° 22	30° 21	48° 5	46° 8	43° 2	50° 7	1° 5	2° 0	*303	*273	89	86	ENE 2	E by N 1	10	10	—	Overcast and gloomy.
2	"20	"17	48° 0	44° 2	42° 6	52° 6	2° 0	2° 1	"285	"244	86	84	NNE 1	ENE 1	10	0	—	Overcast. ☁ (mist) op.
3	"11	"06	45° 9	45° 5	42° 4	48° 4	2° 0	2° 8	"265	"243	86	80	NbyE 1	E by N 2	10	10	—	Overcast.
4	"09	"20	45° 3	42° 0	42° 0	48° 6	2° 0	2° 5	"255	"216	85	82	Calm 0	NbS 1	10	0	—	
5	"28	"20	44° 0	43° 5	41° 2	46° 7	2° 0	1° 8	"244	"244	84	86	Calm 0	Calm 0	10	10	—	Overcast.
6	"11	"30° 07	42° 5	42° 3	41° 3	45° 5	2° 1	1° 5	"238	"238	84	89	Calm 0	Calm 0	10	10	—	Overcast.
7	30° 03	20° 91	42° 5	41° 9	40° 7	46° 2	1° 4	1° 1	"241	"244	89	92	Calm 0	Calm 0	10	10	—	Overcast.
8	20° 66	20° 35	37° 3	41° 2	33° 4	42° 5	3° 3	2° 5	*163	*200	73	81	WSW 1	S 3	10	10	*260	☁ (mist) a. Overcast. ☉ in evening.
9	"04	28° 92	41° 5	41° 1	39° 4	45° 0	0° 5	1° 4	"251	"228	96	89	WbyS 1	swbys 1	10	10	*283	Overcast, with ☁ a. ☉ in evening.
10	20° 06	"00	39° 5	42° 0	37° 2	45° 6	1° 0	1° 5	"220	"235	91	89	WSW 1	ESE 1	9	10	*516	Overcast.
11	28° 05	"48	47° 0	43° 0	41° 6	50° 7	0° 8	3° 4	*303	*208	94	75	E by S 2	WbyS 7	10	10	*468	Overcast. ☉ a. Squally p.
12	"91	"84	40° 4	44° 0	38° 7	46° 6	2° 2	2° 5	*207	*234	83	81	SSW 3	SEbyS 3	10	10	*438	Overcast, with ☉ a. Cloudy p.
13	"61	"75	45° 0	42° 2	40° 8	49° 0	1° 0	1° 5	*275	*237	92	80	E 2	SW 1	10	10	*050	Overcast, with ☉ a. ☐.
14	"83	"89	37° 0	43° 0	35° 6	44° 7	1° 0	1° 9	*200	*236	91	85	NNE 1	EbyN 2	10	8	*012	☁ (mist) a. Overcast and gloomy.
15	28° 91	28° 97	44° 5	46° 1	42° 0	46° 4	1° 0	1° 8	*271	*271	92	87	NE 2	NE 2	10	10	*035	Overcast and gloomy. ☐
16	20° 10	20° 26	44° 3	43° 1	43° 0	46° 1	2° 1	1° 2	*248	*252	84	90	NbS 2	Calm 0	10	10	*320	Overcast.
17	"26	"43	43° 30	39° 0	38° 4	47° 1	0° 5	0° 9	*266	*220	96	93	SW 1	swbys 1	10	10	*100	☉ showers. ☐ 7p. ☐
18	"46	"28	41° 5	53° 0	37° 0	53° 0	1° 8	2° 0	*225	*347	87	86	SEbyE 1	SW 5	10	10	*250	Overcast, with ☉.
19	"41	"45	47° 3	46° 3	45° 4	53° 1	2° 1	2° 1	*276	*265	85	85	swbys 2	SW 2	2	9	*420	Cloudy a. Overcast, with ☉ showers p.
20	"45	"41	44° 9	42° 8	41° 0	49° 3	1° 0	1° 3	*275	*247	93	90	swbys 3	WbyS 2	10	10	*190	Overcast, with ☉ a. and p.
21	"43	"45	41° 7	39° 8	39° 5	46° 1	1° 5	3° 2	*232	*185	89	75	Calm 0	NW 1	9	3	—	☐
22	"44	"41	38° 2	32° 6	32° 6	43° 1	1° 3	0° 9	*204	*167	89	89	Calm 0	Calm 0	10	0	—	
23	"44	"49	34° 1	32° 8	29° 4	41° 3	1° 8	1° 2	*161	*162	81	86	Calm 0	Calm 0	10	0	—	Overcast a. and p. ☁ in evening.
24	"49	"43	35° 3	36° 9	31° 4	38° 4	1° 2	0° 8	*183	*203	80	93	Calm 0	Calm 0	10	0	—	Overcast, with ☁.
25	"20	"23	35° 1	37° 1	34° 6	39° 9	1° 7	0° 7	*171	*207	83	94	S by E 1	Calm 0	10	10	*403	☉ p.
26	"22	"20	34° 4	32° 7	32° 6	37° 9	0° 5	0° 8	*180	*169	95	91	Calm 0	Calm 0	10	10	*310	Overcast, with ☐ ☐ ☐ in evening.
27	"43	"46	26° 2	27° 7	25° 5	33° 2	0° 2	0° 5	*136	*135	96	90	Calm 0	Calm 0	10	0	*010	Overcast, with ☁.
28	"23	"10	38° 5	43° 6	27° 2	44° 1	1° 6	0° 7	*201	*268	87	94	SEbyS 2	S 3	10	10	*223	Overcast. ☉ p.
29	"26	"36	40° 0	34° 3	33° 1	44° 7	1° 0	1° 2	*225	*174	92	87	WSW 1	swbys 1	9	0	—	☐ Cloudy a. Fine and clear p.
30	20° 36	20° 34	35° 5	40° 0	31° 0	40° 8	0° 0	0° 3	*191	*241	92	98	Calm 0	S 1	10	10	*120	∞ a. Overcast. ☉ p.
Mean	20° 412	20° 407	41° 0	41° 0	37° 5	45° 6	1° 4	1° 6	*230	*227	88° 4	87° 2	1° 0	1° 4	9° 9	7° 7	4° 408	

HILLINGTON.—NOVEMBER 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	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.	50.1	48.2	44.7	53.4	0.4	0.5	352	324	97	97	NE 2	NE 2	0	10	Very fine and sunny.	
2	49	45	48.1	40.9	40.1	52.4	1.4	1.0	302	234	90	92	NE 1	NE 1	3	0	Very fine.	
3	37	28	46.0	48.0	39.0	51.5	2.2	3.3	260	258	85	77	ENE 1	NE 4	10	10	Cloudy all day.	
4	28	41	46.4	48.8	43.5	50.4	0.6	2.1	301	293	96	85	NE 3	NE 2	9	10	Overcast and gloomy.	
5	56	48	44.4	39.2	39.0	49.5	3.6	0.4	217	231	74	96	NE 1	N 1	10	10	Overcast all day.	
6	36	36	43.6	42.0	38.9	47.6	1.1	0.2	259	262	91	98	NW 1	NW 0.5	10	10	Overcast all day.	
7	33	30.23	44.0	33.7	33.5	49.3	0.5	0.2	270	188	96	98	NW 0.5	NW 0.5	10	3	∞ a., then fine.	
8	30.05	29.75	33.1	33.8	28.0	44.5	0.3	0.2	182	189	96	98	SE 0.5	SE 0.5	0	3	∞ a. Fine and sunny a. and p.	
9	29.47	28	40.0	34.9	32.9	46.3	1.3	0.2	220	199	90	98	SW 3	SW 0.5	10	0	Overcast all day. Very wet ground	
10	29.45	29.25	37.3	43.0	32.3	48.7	0.6	1.3	210	248	95	90	SW 3	SW 3	1	10	∞ a. Fine and sunny.	
11	28.49	28.94	52.0	42.7	41.4	52.5	1.3	3.0	353	213	91	78	S 6	W 8	10	2	∞ 10 a.—noon.	
12	29.39	29.26	39.0	46.2	31.3	49.4	2.2	1.6	195	275	83	89	SW 1	SE 3	10	10	∞ showers a. Overcast from 3 p.	
13	02	12	46.5	38.1	38.0	51.4	0.2	0.4	312	222	99	96	SE 2	SE 0.5	10	0	∞ (mist) a. U	
14	21	20	40.5	41.5	33.9	50.3	0.4	0.8	244	244	97	94	SE 1	SE 1	6	10	∞ most of day.	
15	14	10	45.1	46.1	41.0	49.0	0.3	0.3	293	305	97	98	SE 1	E 2	6	10	∞ a. Overcast from 3 p. [showers.]	
16	28	50	43.7	45.5	40.9	47.6	0.1	0.9	283	284	99	94	SE 0.5	N 1	10	8	∞ a. Overcast with (mist) 0.0	
17	04	78	43.8	37.2	37.0	47.2	0.2	1.3	281	196	99	88	S 1	NW 2	10	0	∞ a. Overcast, with (mist) 0.0	
18	80	75	40.0	54.6	30.9	54.6	0.5	0.7	236	406	96	95	S 2	SW 3	10	10	∞ a. Overcast, with (mist) 0.0	
19	82	85	52.1	47.1	40.0	55.7	0.4	2.4	378	267	97	83	SW 2	SW 4	10	8	∞ a. Overcast, with (mist) 0.0	
20	82	68	45.5	44.1	42.1	49.4	0.9	1.2	284	262	94	90	SW 3	SW 3	6	8	∞ a. Overcast, with (mist) 0.0	
21	70	68	38.1	38.6	31.8	44.6	0.4	0.8	222	218	96	94	S 1	NW 0.5	10	10	∞ a. Overcast, with (mist) 0.0	
22	62	58	40.0	39.9	30.3	43.5	0.4	0.2	238	241	97	99	NW 1	NW 1	9	6	∞ a. Overcast, with (mist) 0.0	
23	68	78	34.6	34.0	31.1	44.8	0.0	0.1	200	193	100	99	NW 0.5	SE 0.5	10	10	∞ a. Overcast, with (mist) 0.0	
24	81	75	35.8	35.0	33.2	39.8	0.2	0.2	206	199	98	99	S 1	SE 0.5	10	10	∞ a. Overcast, with (mist) 0.0	
25	70	60	29.3	37.6	28.9	37.9	0.1	0.9	158	208	98	92	SW 0.5	S 1	10	10	∞ a. Overcast, with (mist) 0.0	
26	58	49	33.9	35.0	32.2	40.4	0.2	0.2	190	199	98	98	SW 2	SW 1	10	10	∞ a. Overcast, with (mist) 0.0	
27	69	82	33.0	26.8	26.5	39.3	0.3	0.1	182	142	96	98	WNW 1	N 0.5	0	0	∞ a. Overcast, with (mist) 0.0	
28	72	56	31.3	39.6	25.6	42.4	0.5	1.0	163	223	92	92	S 1	SE 3	5	10	∞ a. Overcast, with (mist) 0.0	
29	58	70	41.9	33.0	33.0	44.4	0.2	0.3	261	186	99	99	SSW 0.5	SSW 0.5	10	10	∞ a. Overcast, with (mist) 0.0	
30	29.71	29.75	28.2	31.9	24.9	36.5	0.1	0.1	151	178	98	99	SW 0.5	SW 1	6	10	∞ a. Overcast, with (mist) 0.0	
Mean	29.742	29.727	40.9	40.2	35.4	47.2	0.7	0.9	247	236	94.5	93.4	1.5	1.7	7.7	6.6	2.121	

CHURCHSTOKE.—NOVEMBER 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

1	30.01	29.99	42.8	46.1	39.5	49.0	0.7	1.2	260	284	95	91	E 1	E 1	10	10	∞ (mist) a. Dull and raw.
2	29.96	29.92	40.1	41.6	38.2	50.1	0.5	0.8	209	245	96	94	E 1	E 1	9	1	Dull and raw. 0. p.
3	86	82	43.7	45.8	38.0	48.3	2.7	1.9	237	265	79	86	SE 2	ESE 2	7	10	Overcast and raw.
4	29.87	29.98	42.7	44.0	41.0	48.3	0.9	1.9	254	245	92	85	NE 2	E 2	10	10	Dull, raw, and gloomy.
5	30.07	30.01	42.9	40.4	40.0	45.1	0.9	0.5	256	240	93	96	E 1	Calm 0	10	10	Gloomy and raw.
6	29.93	29.88	39.8	38.8	37.8	43.2	1.6	0.9	213	218	88	93	E 1	E 1	10	10	Overcast and raw.
7	85	72	38.6	39.6	38.6	45.3	0.7	0.7	220	229	95	94	E 1	W 1	10	0	Cold wind.
8	29.48	29.13	38.8	42.8	38.0	43.3	2.9	2.1	182	231	78	84	SSE 2	SE 2	10	10	∞ in past n. Day mild.
9	28.88	28.83	44.8	40.6	39.1	47.3	2.9	0.7	233	238	79	94	SE 1	SW 1	10	10	Cloudy day. Very rough, with
10	28.94	28.62	38.7	42.8	34.2	48.9	0.8	0.9	218	255	94	93	SW 1	SE 3	8	10	∞ showers. 0.2 at night.
11	27.79	27.55	49.9	39.8	38.0	51.1	0.9	3.7	335	176	94	72	SE 1	SW 3	9	6	∞ showers. Cold wind.
12	28.76	28.54	40.2	46.6	36.0	47.5	1.8	2.7	213	256	86	81	SE 2	SE 4	8	10	Dull and mild, with (mist).
13	44	58	43.9	34.7	34.0	49.5	0.5	0.8	275	185	96	93	SE 2	SE 1	10	4	Overcast and raw. (mist).
14	62	63	41.8	43.3	32.4	46.1	0.7	0.9	249	260	95	93	SE 2	SE 2	10	10	Squally
15	66	28.76	42.5	44.5	41.0	44.8	0.6	0.4	250	284	95	97	ENE 0.5	E 1	10	10	Cloudy and cold. 0.0
16	28.89	29.09	44.2	42.3	41.9	45.5	0.7	0.4	274	261	95	97	NNW 1	NW 1	10	9	Bright and sharp.
17	29.14	29.30	42.4	39.0	37.0	49.2	1.5	0.9	243	210	88	93	W 1	W 1	2	10	Bright and sharp.
18	22	17	43.3	54.2	38.0	54.7	0.4	1.2	271	385	97	92	SSW 3	SW 3	10	10	∞ (mist) a. Dull and raw.
19	28	36	47.6	46.8	45.0	54.9	2.5	2.1	270	271	83	85	SW 2	W 2	3	9	∞ (mist) a. Very raw and gloomy.
20	35	29	45.8	36.9	33.2	49.3	2.3	1.0	256	190	84	92	SW 1	W 2	8	0	∞ showers.
21	26	28	41.2	39.7	34.2	46.1	0.9	1.2	239	219	93	90	W 1	NW 1	9	8	∞ a. Fine and sharp, then dull.
22	26	22	35.7	32.9	31.8	42.9	1.0	1.0	189	166	91	89	W 1	NW 2	8	0	Cold and stormy, with driving
23	26	31	31.7	30.4	25.4	39.4	0.8	0.5	160	156	90	92	SE 1	SW 1	10	0	∞ Still and sharp.
24	31	22	26.9	34.7	26.3	37.6	1.0	0.8	114	185	79	93	Calm 0	SW 1	10	4	Sharp and squally.
25	07	05	34.8	33.3	29.2	42.1	0.9	0.4	184	182	92	96	W 1	W 1	4	2	
26	29.26	29.28	33.8	31.4	28.1	44.5	1.9	0.5	156	164	81	93	W 1	W 1	8	1	
27	28.96	28.96	43.0	44.8	29.9	45.5	1.1	0.9	253	276	91	93	SE 3	WSW 2	10	2	
28	29.10	29.19	33.4	29.8	28.5	47.3	0.5	0.9	181	141	95	85	SE 1	SW 1	8	5	
29	29.19	29.17	30.9	45.8	28.0	46.1	1.0	0.9	148	287	85	94	E 1	W 3	8	5	
Mean	29.226	29.230	40.1	40.0	34.6	46.6	1.2	1.1	226	229	89.5	90.9	1.3	1.6	8.3	6.2	2.618

CARMARTHEN.—NOVEMBER 1891.

Height above Mean Sea Level, 188 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 4° 18' W. Lat. 51° 52' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.		
	ins.	ins.							in.	in.	%	%				ins.	
1	30°36	30°31	48°6	45°8	39°3	54°1	1°0	0°13	295	278	87	91	E 2	SE 2	8	0	Dull a. Fine p.
2	28	22	50°5	44°6	43°4	57°3	3°1	1°9	289	252	79	86	E 1	E 2	1	0	∞ ² . Fine day.
3	20	15	47°1	44°7	37°6	52°9	3°4	2°5	246	240	76	82	E 1	E 2	0	0	∞ ² ∞ ¹ . Fine day.
4	25	32	45°6	47°8	44°0	48°4	2°8	3°8	243	245	81	74	NE 1	NE 3	10	10	Dull day.
5	43	37	45°3	43°9	42°4	48°4	2°0	3°1	257	222	85	77	NE 1	NE 1	10	10	Dull day.
6	34	26	41°5	41°6	39°8	44°5	1°4	1°4	231	233	89	90	NE 1	NE 1	10	10	Dull day.
7	30°23	30°11	41°1	38°2	37°8	45°5	0°9	1°6	238	199	93	87	Calm 0	NE 1	10	10	Dull day.
8	29°84	29°50	42°1	45°8	36°9	46°5	0°7	1°4	252	275	94	90	SE 1	SE 2	10	10	0°50 Dull with ☉.
9	29	29°20	40°5	39°5	37°5	48°6	0°2	0°7	247	228	98	94	NE 1	S 1	10	0	2°50 Fog in valley. ▲ 1p. Frequent ☉
10	29°34	28°82	36°4	45°8	34°4	50°4	0°8	0°5	199	296	93	66	SE 1	NE 6	7	10	5°30 Fog in valley. (gale) from 10p.
11	28°15	29°00	50°7	41°9	39°1	53°4	0°3	5°1	362	179	98	65	SW 2	W 5	10	0	3°70 (gale) from NW. 10a.—2p.
12	29°08	28°73	46°8	48°0	37°7	52°8	3°3	0°4	245	325	78	97	SE 4	SE 7	7	10	6°10 ▲ n. Overcast with ☉. Squally from [2p.
13	28°78	28°9	46°0	41°9	41°2	52°4	0°5	1°4	298	236	97	90	S 1	S 1	9	8	2°00 Squally all past n. ▲. Frequent
14	28°91	28°90	43°5	46°6	41°2	49°7	1°0	1°9	260	273	92	87	E 1	E 2	10	9	0°10 Dull day. [☉ showers.
15	29°02	29°12	48°8	44°4	43°9	49°2	2°3	1°2	288	265	84	91	N 1	N 1	8	10	0°10
16	31	40	43°3	40°1	39°7	54°6	0°7	0°6	265	235	95	95	N 1	NW 1	3	7	1°00 ∞. ☐ 10.30p.
17	38	69	44°8	40°2	30°3	52°1	1°3	0°9	267	230	92	92	W 1	NE 1	3	10	3°00 ∞ ² 9p.
18	60	55	52°4	53°2	39°1	54°0	0°0	1°1	304	403	100	100	SW 4	SW 2	10	10	2°50 Overcast with ☉ showers.
19	70	75	50°7	47°8	47°0	54°6	1°5	1°2	331	303	89	91	SW 3	SW 1	8	8	—
20	80	74	42°3	41°4	41°2	52°1	0°5	0°9	259	241	66	93	N 1	Calm 0	8	1	0°60
21	66	67	44°8	42°1	35°7	49°3	1°1	0°7	271	252	92	94	NW 1	Calm 0	9	10	1°30 ☉ showers.
22	66	60	41°7	33°9	33°8	48°9	1°0	0°5	242	184	93	94	NW 1	Calm 0	9	0	—
23	66	60	30°0	31°9	26°2	46°0	0°4	0°3	155	173	93	96	NW 1	Calm 0	9	8	—
24	69	63	33°6	36°2	30°5	41°3	0°7	0°3	179	268	94	97	Calm 0	SE 1	10	10	1°80 Dull day. ☉ p.
25	47	45	42°7	34°4	33°7	47°4	1°4	0°3	243	193	88	97	S 3	Calm 0	9	0	2°30 Frequent ☉ showers.
26	51	44	37°7	40°4	20°7	43°3	4°1	1°9	154	213	68	85	E 3	E 2	7	3	0°80 ☉ showers.
27	67	62	42°4	40°9	35°4	49°4	2°4	1°4	220	226	82	89	W 1	E 1	5	8	2°30
28	27	34	46°3	43°5	40°8	49°4	0°5	0°2	302	278	96	98	SE 5	Calm 0	10	3	3°30 Overcast, with ☉ all day.
29	50	56	33°8	30°8	29°9	44°5	0°2	0°2	189	168	98	97	E 1	Calm 0	6	0	0°20 —. Fog in valley.
30	29°58	29°53	44°4	48°3	29°5	48°6	0°3	0°9	280	316	98	94	SW 1	SW 3	5	10	4°20 Overcast. ☉ p.
Mean	29°605	29°585	43°5	42°2	37°6	49°7	1°4	1°5	257	245	89°9	90°3	1°5	1°6	7°7	6°0	4°990

SOUTHAMPTON.—NOVEMBER 1891.

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, +.016.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	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.																ins.	[pleasant
2	30° 46	30° 44	46° 9	48° 4	38° 2	55° 4	0° 3	1° 4	314	305	98	90	NE 1	NNE 2	10	10	—	ins.	0 D a. Dull a., then fine and
3	42	36	50° 6	44° 7	42° 9	55° 2	1° 9	2° 0	321	251	87	86	ENE 2	E 4	0	7	—	ins.	1 D a. and p. Beautiful day.
4	29	23	43° 9	43° 7	37° 4	54° 2	1° 5	1° 7	254	247	88	86	ENE 2	NE 2	0	1	—	ins.	2 a. Beautiful day, but with cold wind
5	29	37	46° 7	47° 6	42° 9	49° 2	1° 7	0° 9	279	308	88	94	NNE 2	NE 2½	10	10	—	ins.	
6	52	49	45° 7	40° 7	40° 5	48° 6	1° 4	1° 8	275	217	90	86	NE 1	NE 1½	10	9	—	ins.	
7	44	38	40° 5	40° 9	37° 3	43° 5	1° 7	1° 5	217	224	86	88	NNE 1	NE 1	10	10	—	ins.	
8	30° 07	29° 80	31° 1	43° 7	29° 6	48° 6	0° 2	2° 5	169	231	97	81	NE 0½	SE 1	0	10	—	ins.	
9	29° 48	34	46° 4	44° 7	42° 4	49° 2	1° 0	0° 9	292	275	93	93	WNW 1	SSW 2	10	10	—	ins.	early a. Beautiful day.
10	29° 57	30	43° 7	48° 5	36° 8	50° 8	0° 9	0° 8	265	321	92	94	SW 1½	SE 5	8	10	—	ins.	a. and p. Fine 1p.—7p.
11	28° 38	21	53° 4	42° 1	42° 0	55° 0	1° 3	2° 3	371	220	91	83	SW 5	SE 5	10	0	—	ins.	Beautiful a. from 3p.
12	29° 41	14	47° 6	51° 1	36° 2	52° 5	2° 8	3° 0	265	300	81	80	S 3½	SE 5	9	10	—	ins.	Beautiful a. (gale) u. and a. Fine evening
13	01	13	40° 9	47° 2	46° 1	54° 2	0° 9	1° 2	299	295	94	92	SE 1	SW 1½	7	10	—	ins.	Beautiful a. (gale) in afternoon.
14	14	03	46° 6	48° 6	43° 4	52° 6	1° 8	1° 7	276	302	88	88	SE 2½	ESE 4	10	10	—	ins.	showers.
15	06	20	46° 9	45° 9	45° 8	50° 2	0° 9	1° 0	299	288	94	94	NE 1½	W 1	9	9	—	ins.	showers in evening
16	34	61	46° 6	44° 7	43° 4	49° 4	0° 8	0° 9	299	275	95	93	NW 2	WNW 1	10	5	—	ins.	1p.
17	71	87	48° 6	43° 3	40° 9	49° 7	0° 5	0° 8	329	263	97	94	SW 1	WSW 1	10	10	—	ins.	a. Fine p. D n.
18	89	87	47° 5	54° 8	40° 0	55° 8	0° 5	0° 3	316	422	96	98	SSE 1	SW 4	10	10	—	ins.	ga., then fine. D n.
19	91	97	53° 2	48° 6	48° 3	55° 7	0° 5	0° 7	391	325	97	95	WSW 0½	SW 1½	10	7	—	ins.	a., and from 3p.
20	95	84	45° 6	45° 7	44° 7	51° 6	0° 5	1° 1	294	382	97	93	SW 2	SW 1	9	10	—	ins.	D n.
21	78	77	39° 1	43° 2	36° 5	49° 5	0° 4	1° 2	231	253	97	90	W 1	NW 2	3	10	—	ins.	a. Fine and mild. D 9p.
22	75	70	40° 1	35° 9	35° 7	44° 5	0° 7	0° 8	233	196	94	93	WNW 0½	NW 0½	10	0	—	ins.	early a. D n.
23	76	82	31° 0	35° 5	29° 6	42° 2	0° 5	0° 7	168	202	94	94	WNW 1½	ENE 1	0	10	—	ins.	a. Dull, with ∞ a. 9p.
24	82	78	34° 4	36° 5	32° 3	41° 7	0° 3	0° 7	193	202	97	94	NE 2	NE 1	10	0	—	ins.	a. Beautiful day.
25	72	64	31° 5	43° 1	28° 2	46° 6	0° 7	0° 7	161	263	90	94	NW 0½	SW 1	2	0	—	ins.	a. Day dull and raw. D n.
26	68	58	33° 0	43° 3	29° 8	45° 4	0° 4	0° 5	179	240	95	96	SW 1	W 2	2	10	—	ins.	a. Fine till 3p., then ∞.
27	61	87	33° 3	33° 0	31° 6	46° 7	0° 5	0° 4	180	179	94	95	NW 1	NE 0½	0	0	—	ins.	(remarkably dense) till 9a.
28	66	54	45° 9	46° 7	30° 8	47° 7	2° 3	0° 8	258	301	84	94	SE 2½	SSW 3	10	10	—	ins.	a. Beautiful day. D n.
29	62	69	44° 9	39° 6	30° 3	48° 1	0° 3	0° 5	291	233	98	96	NW 0½	NE 0½	10	10	—	ins.	a. and p. D n.
30	29° 74	29° 82	38° 4	38° 6	34° 9	40° 8	0° 4	0° 3	224	228	97	97	NW 1½	Calm 0	10	10	—	ins.	Raw cold, with ∞ all day.
Mean	29° 767	29° 764	43°	43° 7	38° 3	49° 4	1° 0	1° 2	265	263	92° 7	91° 3	1° 5	1° 9	7° 3	7° 6	3° 620		

BABBACOMBE.—NOVEMBER 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, + .013.

1	30° 18'	30° 17'	48° 0'	49° 0'	44° 0'	53° 4'	2° 0'	1° 1'	*206	*319	86	92	ENE	3	NE	4	4	10	—	☼ (mist). Gloomy p. ☐ p.
2	" 12	30° 07'	49° 0'	47° 1'	45° 9'	56° 6'	1° 0'	1° 0'	*322	*278	93	86	E	4	E	5	10	—	☼ (mist). Gloomy p. ☐ p.	
3	" 01	29° 07'	44° 1'	46° 0'	43° 1'	50° 6'	1° 9'	2° 0'	*247	*351	85	82	E	5	E	5	9	1	—	☼ (mist). Gloomy p. ☐ p.
4	" 04	30° 12'	44° 1'	47° 8'	45° 2'	47° 8'	2° 6'	2° 0'	*264	*284	82	86	ENE	4	NE	3	10	—	☼ (mist). Gloomy p. ☐ p.	
5	" 25	" 23	47° 9'	43° 8'	43° 5'	49° 6'	4° 8'	4° 9'	*227	*188	69	65	E	4	NE	3	9	10	—	☼ (mist). Gloomy p. ☐ p.
6	" 19	30° 14'	42° 2'	42° 9'	41° 2'	45° 1'	4° 4'	3° 6'	*184	*204	70	74	NE	2	NNE	2	10	—	☼ (mist). Gloomy p. ☐ p.	
7	30° 09'	29° 09'	43° 0'	43° 6'	41° 4'	44° 1'	2° 6'	2° 8'	*223	*225	80	79	N	1	N	1	10	—	☼ (mist). Gloomy p. ☐ p.	
8	29° 19'	" 51	46° 1'	44° 0'	43° 2'	46° 9'	4° 0'	0° 7'	*225	*272	73	94	SE	2	SSE	4	10	10	—	☼ (mist). Gloomy p. ☐ p.
9	" 25	29° 13'	45° 1'	42° 1'	41° 3'	49° 2'	0° 2'	1° 0'	*296	*246	98	92	WSW	1	WSW	4	10	4	—	☼ (mist). Gloomy p. ☐ p.
10	29° 33'	28° 74'	44° 4'	49° 9'	38° 7'	49° 9'	1° 4'	0° 1'	*260	*357	89	99	WSW	1	SE	6	7	10	—	☼ (mist). Gloomy p. ☐ p.
11	28° 13'	29° 02'	51° 5'	40° 1'	40° 1'	54° 8'	0° 4'	3° 2'	*370	*186	97	74	WSW	5	WSW	4	10	0	—	☼ (mist). Gloomy p. ☐ p.
12	29° 08'	28° 72'	49° 9'	51° 4'	38° 3'	51° 7'	4° 2'	2° 4'	*259	*317	73	84	S	4	SSE	7	3	10	—	☼ (mist). Gloomy p. ☐ p.
13	28° 74'	" 84	44° 8'	44° 8'	42° 2'	51° 8'	0° 9'	0° 9'	*275	*276	93	83	SW	2	ESE	1	8	9	—	☼ (mist). Gloomy p. ☐ p.
14	" 81	28° 70'	49° 7'	48° 5'	41° 6'	50° 3'	2° 2'	0° 5'	*302	*320	85	96	SSE	4	E	5	9	10	—	☼ (mist). Gloomy p. ☐ p.
15	28° 86'	29° 03'	47° 7'	43° 0'	43° 0'	48° 8'	0° 5'	1° 1'	*319	*253	96	91	NNE	2	WNW	2	10	8	—	☼ (mist). Gloomy p. ☐ p.
16	29° 19'	" 40	44° 0'	44° 0'	41° 0'	55° 5'	1° 0'	0° 6'	*265	*274	92	95	WSW	1	WSW	2	2	6	—	☼ (mist). Gloomy p. ☐ p.
17	" 51	" 63	45° 9'	43° 3'	42° 4'	50° 7'	0° 9'	1° 1'	*288	*256	94	92	Calm	0	WSW	1	10	10	—	☼ (mist). Gloomy p. ☐ p.
18	" 58	" 57	53° 9'	54° 7'	43° 2'	55° 7'	0° 0'	0° 3'	*416	*419	100	98	SW	4	SSW	5	10	10	—	☼ (mist). Gloomy p. ☐ p.
19	" 67	" 74	50° 9'	47° 6'	47° 2'	54° 8'	0° 3'	0° 6'	*365	*315	98	96	WSW	3	SW	2	9	9	—	☼ (mist). Gloomy p. ☐ p.
20	" 72	" 63	47° 5'	44° 0'	43° 5'	52° 8'	0° 5'	1° 1'	*316	*263	95	91	SW	1	SSW	1	10	6	—	☼ (mist). Gloomy p. ☐ p.
21	" 58	" 58	42° 7'	41° 9'	35° 5'	49° 1'	2° 0'	1° 0'	*231	*244	84	92	NW	2	WNW	2	2	6	—	☼ (mist). Gloomy p. ☐ p.
22	" 54	" 49	41° 7'	38° 1'	30° 4'	51° 8'	1° 3'	1° 5'	*236	*200	90	87	WNW	2	NNW	2	2	0	—	☼ (mist). Gloomy p. ☐ p.
23	" 54	" 57	35° 8'	33° 3'	29° 2'	48° 2'	1° 6'	1° 2'	*179	*166	86	87	W	1	NNW	1	0	1	—	☼ (mist). Gloomy p. ☐ p.
24	" 58	" 55	37° 8'	31° 0'	28° 4'	44° 0'	2° 0'	0° 4'	*188	*163	83	94	NNE	2	WNW	1	5	0	—	☼ (mist). Gloomy p. ☐ p.
25	" 44	" 41	36° 9'	38° 0'	29° 2'	49° 3'	0° 7'	0° 4'	*205	*221	94	96	SSW	1	WSW	2	6	0	—	☼ (mist). Gloomy p. ☐ p.
26	" 45	" 39	38° 6'	40° 9'	32° 3'	49° 2'	1° 3'	1° 0'	*205	*234	89	92	WSW	2	WNW	3	1	8	—	☼ (mist). Gloomy p. ☐ p.
27	" 59	" 57	40° 1'	44° 3'	33° 2'	50° 7'	2° 4'	3° 4'	*200	*219	81	74	WNW	2	SSE	3	4	10	—	☼ (mist). Gloomy p. ☐ p.
28	" 30	" 26	37° 0'	46° 1'	43° 5'	50° 7'	0° 5'	0° 2'	*309	*307	97	98	SSE	6	SW	1	10	10	—	☼ (mist). Gloomy p. ☐ p.
29	" 40	" 45	39° 4'	39° 1'	38° 4'	46° 5'	0° 3'	0° 9'	*238	*246	98	93	Calm	0	NE	1	8	9	—	☼ (mist). Gloomy p. ☐ p.
30	29° 50'	29° 51'	40° 2'	46° 8'	35° 2'	51° 0'	0° 5'	1° 3'	*238	*288	96	91	WSW	1	SSW	3	1	8	—	☼ (mist). Gloomy p. ☐ p.
Mean	29° 54'	29° 54'	44° 8'	44° 0'	39° 7'	50° 2'	1° 6'	1° 5'	*265	*260	88° 2'	88° 8'	2° 4'		2° 9'	7° 0'	7° 0'	4° 89'		

LONDONDERRY.—NOVEMBER 1891.

Height above Mean Sea Level, 67 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $7^{\circ} 19' W.$ Lat. $55^{\circ} 0' N.$ Gravity Correction, +.027.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	42°	47°	35°	48°	0°	1°	in.	in.	90	93	NE	1	SE	1	10	ins.	☁ (mist) all day.	
2	48	44	47°	47°	45°	50°	1°	1°	289	307	90	93	NE	1	SE	1	10	10	☁ (mist) all day.	
3	41	41	40°	45°	37°	51°	0°	1°	265	265	94	88	NE	1	E	1	10	10	☁ a. ☁ (mist) (mist) p.	
4	50	58	44°	45°	43°	47°	1°	1°	253	285	87	94	NE	1	NE	1	10	10	☁ (mist) all day.	
5	63	53	44°	43°	42°	46°	1°	1°	257	260	88	91	SE	1	E	1	10	10	☁ (mist) a.	
6	41	32	43°	45°	41°	46°	1°	1°	249	263	90	87	WSW	1	SW	2	10	10	☁ (mist) a. ☁ 0° 9p.	
7	30° 28	30° 06	43°	45°	42°	49°	1°	2°	270	262	98	86	SW	2	SW	2	8	0	☁ (mist) a. Fine day.	
8	29° 08	29° 34	44°	42°	42°	47°	2°	1°	230	250	79	91	SW	3	SW	2	10	10	☁ showers from 4p.	
9	20	16	40°	39°	38°	46°	1°	1°	231	217	91	91	SW	2	SW	2	10	2	☁ showers.	
10	28° 26	29° 03	38°	41°	35°	43°	1°	2°	216	223	92	86	SW	2	S	1	9	10	☁ 410 at night.	
11	28° 59	28° 81	41°	38°	36°	44°	0°	9°	179	243	108	93	NW	4	NW	4	10	10	☁ showers during day.	
12	29° 00	28	36°	40°	33°	47°	0°	2°	199	274	93	86	S	1	S	4	2	10	☁ 120 0° 9p.	
13	28° 87	28° 93	45°	42°	41°	47°	0°	1°	291	253	97	92	SE	1	EE	1	10	10	☁ showers during day.	
14	29° 04	29° 20	37°	36°	34°	46°	0°	0°	212	215	95	98	Calm	0	SE	1	0	4	☁ 090 (mist) all day. ☁ n.	
15	31	45	36°	37°	33°	45°	0°	0°	218	218	100	97	Calm	0	NE	1	10	0	☁ 020 a. Fair evening.	
16	49	46	31°	43°	30°	44°	0°	2°	171	255	97	92	S	1	S	2	10	10	☁ 230 02. ☁ from 8p.	
17	59	71	30°	38°	36°	43°	1°	1°	223	216	92	92	SW	3	W	1	10	10	☁ 160 showers.	
18	45	44	45°	44°	36°	49°	0°	1°	292	264	95	89	SE	2	SW	2	10	2	☁ 140 nearly all day.	
19	39	62	40°	45°	43°	48°	1°	2°	276	205	90	86	SW	3	W	3	10	7	☁ 110 showers.	
20	79	82	44°	43°	42°	48°	2°	1°	238	256	81	89	W	3	W	1	4	7	☁ 140 showers.	
21	84	87	42°	40°	39°	46°	0°	1°	258	233	96	92	NW	1	N	1	9	3	☁ 050 showers.	
22	84	74	35°	39°	33°	42°	1°	1°	192	220	91	90	W	1	E	1	7	7	☁ 026	
23	72	78	37°	39°	35°	43°	0°	0°	212	228	95	95	SW	1	SW	1	5	10	☁ 103 0p.-10p.	
24	78	56	31°	37°	31°	39°	0°	1°	177	190	98	84	SW	1	S	3	0	5	☁ 050 Fine day. ☁ n.	
25	41	49	38°	34°	33°	40°	1°	0°	216	194	92	96	SW	2	S	1	9	1	☁ 180 (mist). ☁ from noon.	
26	45	59	35°	37°	32°	38°	0°	1°	196	203	94	90	SW	2	Calm	0	4	0	☁ 070 ☁ ✕ (sleet) showers during day.	
27	72	61	34°	36°	33°	40°	0°	1°	191	198	95	91	SW	2	S	1	9	0	☁ 140 Fine day.	
28	04	15	48°	43°	35°	49°	1°	1°	208	247	89	86	SE	5	S	5	10	10	☁ 050 showers.	
29	49	54	38°	40°	36°	44°	2°	2°	197	204	85	81	SW	2	SW	3	4	1	☁ 350 Fine day. ☁ n.	
30	29° 46	29° 44	42°	42°	37°	46°	0°	2°	256	232	95	85	SW	2	S	2	6	0	☁ 040 Fine day. ☁ n.	
Mean	29° 655	29° 648	40°	41°	37°	45°	1°	1°	235	240	92°	89°	1°	1°	1°	1°	7°	6°	2°	740

ARMAGH.—NOVEMBER 1891.

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.

1	30°40	30°38	44°8	47°2	35°3	50°6	1°1	0°5	*271	313	92	97	ESE 1	ESE 1	10	10	—	Overcast all day.
2	"33	"29	48°9	47°0	40°0	52°3	1°9	1°4	*299	289	87	90	ENE 1	SE 1	10	9	—	
3	"27	"25	44°8	44°8	35°5	52°4	1°1	1°2	*271	269	92	91	ESE 0°5	ENE 1	8	10	*003	
4	"35	"45	44°3	45°1	43°2	48°0	2°0	2°3	*247	248	84	83	NE 1	NE 1	10	10	—	Overcast all day.
5	"48	"39	43°2	41°9	41°8	45°7	1°0	0°2	*257	261	92	90	E 0°5	Calm 0	10	10	*005	Overcast all day.
6	"29	30°21	43°3	43°7	41°0	45°8	2°6	1°9	*225	244	80	85	E 1	S 1	10	10	*035	Overcast all day.
7	30°16	29°98	45°5	44°8	42°1	49°7	0°7	1°7	*289	257	95	87	SSW 1	S 2	10	10	—	
8	29°59	"25	44°4	41°8	38°8	47°2	2°6	0°6	*236	251	81	96	S 4	SW 1	10	9	*150	
9	"13	29°06	41°6	37°2	36°8	47°5	1°6	0°5	*229	212	88	95	S 2	SSW 1	10	2	*003	
10	29°18	28°89	38°0	40°8	34°7	42°5	2°1	0°4	*185	246	82	97	SSW 2	S 1	10	10	*145	— a.
11	28°41	"73	40°0	38°6	37°9	43°6	0°3	1°7	*241	201	88	86	NW 2	SW 2	10	10	*043	
12	"00	"73	42°4	46°8	34°2	49°5	2°4	1°0	*221	206	82	93	S 3	ESE 3	0	10	*670	
13	"75	28°82	44°0	39°0	38°1	48°1	0°2	1°3	*285	212	98	90	SE 0°5	SSE 1	10	9	—	☼ early a. ☐ 9p.
14	28°93	29°05	30°6	32°4	29°9	48°0	0°7	0°0	*203	184	94	100	SSE 0°5	SE 0°5	4	10	*030	— a. ☼ from 9p.
15	29°17	"29	39°0	37°5	31°1	44°5	0°0	0°1	*238	222	100	99	SSE 0°5	SSE 1	10	1	*005	☼ a. ☼ from 11p.
16	"35	"35	38°1	44°3	33°4	48°2	0°3	0°8	*225	273	97	94	SSE 0°5	SE 2	10	10	*180	
17	"49	"00	40°0	38°1	34°2	45°3	1°0	0°7	*226	215	92	94	SSE 1	SSW 1	7	10	*020	
18	"33	"37	47°1	46°1	37°7	55°5	0°6	1°7	*310	273	96	88	SE 3	SSW 3	10	9	*030	
19	"31	"55	46°1	42°8	42°0	50°5	1°7	1°3	*273	247	88	90	S 3	SSW 4	10	0	*010	Squally 9a.
20	"07	"68	43°9	40°6	39°9	50°3	0°7	1°0	*270	232	95	92	SW 1	W 1	10	5	—	
21	"70	"72	41°1	35°9	35°0	47°8	1°0	0°4	*236	204	92	97	W 1	W 0°5	10	5	*005	
22	"70	"62	37°1	35°3	32°4	42°5	0°4	0°4	*213	199	96	97	W 0°5	W 1	10	10	*010	Overcast all day.
23	"62	"64	39°7	39°1	35°0	42°3	0°6	0°6	*232	227	95	95	W 1	WSW 0°5	9	10	*025	
24	"67	"48	33°6	33°5	28°9	41°8	0°7	0°6	*179	180	92	94	WSW 1	SW 2	0	10	*115	
25	"31	"38	38°0	32°9	32°0	41°3	0°7	0°7	*214	173	94	92	SSW 2	SSW 1	10	10	—	Overcast all day.
26	"36	"46	33°2	33°9	29°2	37°7	0°5	1°1	*179	173	94	88	SSW 2	SSW 1	10	9	*015	— a.
27	29°62	"51	37°5	38°5	32°6	43°5	0°5	1°8	*214	198	95	86	SSW 1	SSW 1	10	10	*365	
28	28°96	"14	47°9	41°6	36°3	50°1	1°1	1°7	*306	228	93	87	SE 6	SSW 5	10	0	*688	
29	29°42	"45	37°5	38°0	34°6	44°0	1°9	1°5	*188	199	84	87	SSW 2	SSW 3	0	9	*192	
30	29°37	29°35	42°8	42°9	35°4	46°7	0°2	2°4	*270	226	99	83	S 2	S 2	10	10	—	Overcast all day.
Mean	29°540	29°536	41°5	40°4	36°1	46°7	1°1	1°1	*241	*232	91°6	91°7	1°6	1°5	8°6	8°2	2°444	

MARKREE CASTLE (SLIGO).—NOVEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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°	41°	33°	40°	1°0	0°2	in.	in.	°/100	°/100	ESE	0°5	SE	0°5	10	6	ins.	∞ a. and p.
2	30° 13	30° 42	46°	41°	33°	40°	1°0	0°2	287	254	93	98	SE	1	SE	1	10	8	—	
3	30° 37	30° 32	47°	46°	38°	48°	1°7	1°1	308	291	96	92	SE	1	SE	1	10	8	—	
4	30° 31	30° 31	47°	46°	38°	48°	1°7	1°1	308	291	96	92	SE	1	SE	1	10	8	—	
5	30° 42	30° 51	44°	44°	35°	46°	0°9	0°6	237	213	93	95	Calm	0	ESE	0°5	2	7	—	∞
6	30° 54	30° 45	44°	42°	35°	46°	0°9	0°7	269	268	93	93	E	0°5	NNE	0°5	10	10	—	∞ a. Overcast all day.
7	30° 35	30° 28	43°	44°	40°	45°	1°0	0°8	260	260	96	95	Calm	0	Calm	0	10	10	—	Overcast all day.
8	30° 22	30° 09	45°	43°	41°	50°	0°2	1°1	297	253	99	91	SE	0°5	SSE	0°5	10	10	060	Overcast all day.
9	30° 50	30° 32	43°	37°	37°	47°	0°7	0°5	270	216	95	96	SSE	2	Calm	0	10	9	020	∞ a.
10	30° 18	29° 15	39°	36°	35°	46°	0°7	0°6	230	201	95	95	S	1	SW	1	10	5	090	
11	30° 22	28° 03	36°	40°	31°	48°	0°5	0°3	206	241	96	98	SE	0°5	Calm	0	10	10	270	
12	28° 63	28° 88	41°	35°	35°	44°	1°8	1°8	219	178	86	84	NW	2	SW	1	10	7	230	● storms early a.
13	30° 00	30° 00	37°	47°	32°	48°	0°7	0°8	212	312	94	94	SE	1	ESE	8°	2	10	170	☁ 2 p., abating after 11 p.
14	28° 81	28° 88	41°	34°	33°	48°	0°9	0°2	246	104	93	98	E	0°5	Calm	0	10	10	010	Overcast all day.
15	28° 00	29° 13	31°	30°	28°	47°	0°4	0°2	169	161	95	97	Calm	0	Calm	0	10	7	—	☁ all day.
16	29° 24	30° 35	30°	37°	27°	45°	0°1	0°2	166	218	99	98	Calm	0	Calm	0	10	2	—	☁ a. ∞ p.
17	30° 42	30° 41	30°	41°	25°	42°	0°7	0°4	155	256	90	97	Calm	0	SSW	0°5	10	10	270	
18	30° 56	30° 66	37°	36°	30°	46°	0°5	0°6	213	206	96	95	SW	1	SW	0°5	6	10	230	
19	30° 35	30° 38	46°	43°	36°	50°	0°1	0°9	309	266	99	93	SSE	2	S	3	10	6	230	
20	30° 43	30° 05	45°	44°	41°	50°	1°1	0°9	277	267	92	93	SSW	1	SSW	1	7	10	130	
21	30° 80	30° 81	45°	42°	41°	47°	1°6	1°4	262	246	88	89	NNW	1	NW	0°5	7	7	220	
22	30° 82	30° 84	42°	37°	36°	47°	0°6	0°1	256	219	95	99	NNW	1	Calm	0	9	9	030	
23	30° 79	30° 69	35°	39°	33°	44°	0°1	0°3	203	239	99	98	Calm	0	Calm	0	9	10	080	
24	30° 68	30° 73	39°	36°	35°	43°	0°3	0°2	234	270	98	98	Calm	0	Calm	0	10	10	140	
25	30° 75	30° 47	38°	37°	25°	40°	0°8	0°2	153	190	97	83	Calm	0	SE	3	3	10	050	
26	30° 39	30° 48	34°	33°	30°	43°	0°2	0°9	194	169	98	90	Calm	0	SW	0°5	10	4	060	☁ a.
27	30° 44	30° 58	35°	35°	28°	41°	0°0	0°5	196	198	95	95	SSW	0°5	SW	0°5	9	10	050	✱ 0.
28	29° 74	30° 51	33°	37°	33°	43°	0°7	0°9	181	309	92	92	Calm	0	SE	2	6	10	310	
29	28° 01	30° 23	48°	43°	36°	49°	0°4	1°9	330	236	97	85	SSE	4	WSW	3	10	9	030	
30	29° 50	30° 48	33°	38°	32°	43°	0°9	1°1	169	208	90	91	W	0°5	SSE	2	4	9	210	
31	29° 45	30° 37	42°	39°	37°	47°	0°2	0°9	263	221	98	93	SSW	1	SE	2	10	10	120	Overcast all day.
Mean	29° 007	29° 592	30° 7	30° 5	34° 2	46° 4	0° 6	0° 8	235	220	94° 6	93° 6	0° 7	1° 1	8° 5	8° 5	3° 170			

DUBLIN (PHENIX PARK).—NOVEMBER 1891.

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.

1	30° 44	30° 41	49° 5	46° 0	37° 3	52° 0	1° 9	1° 3	*306	*280	87	91	ESE	1	Calm	0	9	1	—	
2	34	32	48° 5	47° 8	44° 1	52° 7	1° 9	2° 0	*294	*283	86	86	E	1	Calm	0	10	5	—	
3	29	26	45° 8	49° 4	37° 0	50° 8	2° 1	3° 7	*261	*266	85	75	Calm	0	E	1	2	10	—	
4	35	44	47° 1	48° 4	46° 1	49° 7	2° 3	2° 8	*272	*273	84	81	Calm	0	Calm	0	10	8	—	
5	52	46	46° 8	44° 2	43° 1	49° 0	2° 0	1° 2	*273	*263	86	91	Calm	0	Calm	0	8	8	—	
6	38	31	43° 9	43° 4	41° 4	46° 8	1° 3	2° 5	*256	*228	80	80	Calm	0	Calm	0	9	7	—	
7	30° 26	30° 08	46° 3	44° 0	39° 0	52° 0	2° 6	3° 4	*256	*216	82	75	Calm	0	Calm	0	8	1	005	
8	29° 25	29° 39	46° 2	45° 1	38° 6	49° 8	3° 8	1° 0	*231	*276	75	92	S	2	W	1	8	10	085	
9	24	29° 20	41° 9	37° 7	36° 8	48° 7	2° 2	1° 3	*222	*201	85	89	SW	1	WSW	1	6	1	040	
10	30° 29	28° 01	39° 4	44° 4	36° 0	46° 5	1° 8	1° 2	*206	*265	86	91	SW	1	SE	1	5	10	1000	
11	28° 44	02	39° 9	38° 1	37° 2	46° 4	1° 4	3° 4	*218	*167	89	72	NW	3	WSW	2	10	1	050	
12	09	72	44° 5	48° 7	34° 9	51° 8	2° 8	1° 7	*233	*201	79	88	SW	1	SE	4	1	10	750	
13	08	28° 59	42° 7	32° 5	31° 6	53° 1	1° 2	1° 0	*248	*163	90	88	Calm	0	Calm	0	7	1	—	
14	28° 06	29° 06	40° 7	43° 3	27° 1	45° 7	0° 3	1° 2	*157	*254	95	91	Calm	0	Calm	0	4	8	080	
15	29° 19	39	44° 2	44° 3	37° 0	45° 6	1° 3	1° 2	*261	*263	90	91	Calm	0	Calm	0	8	10	170	
16	40	42	40° 0	43° 4	36° 7	46° 8	0° 9	1° 0	*228	*200	93	92	Calm	0	Calm	0	6	8	050	
17	57	09	42° 2	37° 3	36° 3	45° 7	1° 9	1° 2	*229	*201	86	90	W	1	Calm	0	4	9	040	
18	43	46	53° 4	48° 5	37° 3	56° 6	1° 5	2° 6	*366	*379	90	82	S	1	SW	2	0	8	135	
19	51	70	49° 6	44° 8	43° 6	52° 0	3° 9	2° 1	*264	*350	74	85	SW	5	SW	2	4	0	005	
20	74	77	45° 5	36° 8	35° 9	48° 0	1° 5	1° 3	*270	*194	89	90	WSW	1	W	1	9	1	—	
21	77	70	39° 2	33° 6	45° 4	1° 1	1° 2	*218	*198	91	89	W	1	Calm	0	4	1	—	Cloudy a. Bright p.	
22	75	69	36° 9	30° 2	29° 4	43° 9	1° 1	0° 7	*198	*150	91	89	Calm	0	Calm	0	1	0	—	Beautiful day.
23	69	69	34° 2	36° 7	26° 7	47° 2	0° 7	1° 3	*184	*193	93	89	Calm	0	Calm	0	2	7	—	Bright a. Cloudy p.
24	74	59	32° 1	26° 8	24° 2	39° 5	0° 5	0° 4	*171	*133	93	92	Calm	0	Calm	0	4	0	050	☁ a. and p. Beautiful day.
25	29	46	39° 0	34° 5	26° 0	45° 3	1° 2	1° 3	*214	*174	90	86	Calm	0	W	1	1	0	—	Beautiful day.
26	47	52	36° 2	32° 6	31° 4	49° 3	2° 0	0° 9	*177	*167	83	89	WSW	1	W	1	2	0	—	
27	68	58	35° 6	32° 2	29° 7	44° 7	1° 7	0° 4	*178	*174	85	95	W	1	Calm	0	1	1	055	Beautiful day.
28	08	28	49° 4	42° 0	31° 1	53° 2	2° 0	2° 4	*303	*218	87	82	SE	4	SW	2	9	1	010	Squally ☁ a. Cloudy day.
29	51	55	37° 7	28° 7	40° 5	1° 9	0° 9	*199	*137	83	85	W	1	Calm	0	1	0	110	Beautiful day.	
30	29° 48	29° 45	44° 8	24° 4	28° 2	49° 0	1° 9	2° 0	*254	*248	86	85	SW	2	Calm	0	6	10	010	☁ 3:30 a.—7 a. ☁ n.
Mean	29° 54	29° 50	42° 4	40° 5	34° 9	48° 2	1° 8	1° 6	*238	*223	86° 7	86° 7	0° 9	0° 6	5° 6	4° 6	2° 645			

PARSONSTOWN (BIRRE CASTLE).—NOVEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.								Per-centage.			
	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.	40°	40°	35°	50°	2°	0°	in.	in.	201	245	82	90	Calm	0	10	0	ins.	Dull and gloomy.
2	30° 36	30° 36	40°	40°	35°	50°	2°	0°	201	245	82	90	Calm	0	Calm	0	10	10	—	☼ (mist) a. Dull and gloomy.
3	30° 25	30° 25	42°	45°	31°	48°	2°	1°	271	272	90	97	SE	1	Calm	0	4	0	—	Fine and bright.
4	30° 23	30° 22	44°	35°	33°	44°	2°	1°	244	202	84	97	SE	1	Calm	0	4	0	—	☼ (mist) a. Fine and bright.
5	30° 41	30° 42	43°	42°	30°	45°	3°	1°	273	254	95	92	Calm	0	Calm	0	10	10	—	Dull day.
6	30° 48	30° 42	45°	42°	41°	47°	2°	1°	255	255	84	93	Calm	0	Calm	0	10	10	—	☼ (mist) a. Dull and gloomy.
7	30° 34	30° 27	41°	42°	39°	46°	1°	2°	238	233	91	84	Calm	0	Calm	0	10	10	—	Dull and gloomy, with ☼.
8	30° 22	30° 03	42°	39°	35°	48°	0°	1°	257	213	93	89	Calm	0	Calm	0	10	0	028	Dull and gloomy, with ☼.
9	29° 65	29° 35	45°	41°	37°	47°	2°	0°	249	245	82	93	SW	2	Calm	0	10	0	184	Dull and gloomy, with ☼.
10	29° 21	29° 18	39°	37°	35°	44°	0°	0°	226	210	92	93	Calm	0	Calm	0	10	0	068	Dull and gloomy, with ☼.
11	29° 25	28° 84	36°	41°	33°	43°	0°	2°	215	261	98	90	Calm	0	Calm	0	10	10	830	☼ n. Dull and gloomy, with ☼.
12	28° 58	28° 39	38°	36°	34°	43°	1°	2°	204	182	85	78	NW	4	NW	4	10	3	—	Gloomy and squally.
13	28° 51	28° 39	39°	38°	32°	40°	1°	1°	213	286	89	90	Calm	0	SE	4	0	10	580	☼ n. Bright a., then dull and squally with ☼.
14	28° 85	28° 40	34°	34°	30°	40°	1°	1°	230	203	91	100	Calm	0	Calm	0	3	0	—	☼ n. Fine a. ☼ 9p.
15	28° 92	28° 66	28°	34°	26°	44°	0°	0°	153	190	96	94	Calm	0	Calm	0	10	10	—	Dull, with ☼.
16	29° 18	28°	31°	36°	30°	38°	0°	0°	151	209	100	98	Calm	0	Calm	0	10	8	—	☼ n. and a. Dull, with ☼.
17	30° 37	30° 38	38°	43°	34°	43°	0°	0°	221	273	95	97	Calm	0	Calm	0	10	10	122	☼ n. Dull and gloomy.
18	30° 62	30° 62	37°	39°	25°	45°	1°	0°	195	224	86	93	Calm	0	Calm	0	8	10	032	Dull and gloomy.
19	30° 32	30° 38	52°	45°	37°	54°	1°	1°	277	268	93	88	SE	1	Calm	0	10	10	044	Dull and gloomy.
20	30° 49	30° 68	46°	44°	41°	50°	1°	2°	370	252	87	86	SW	1	SW	1	8	0	028	Dull and gloomy.
21	30° 75	30° 79	45°	36°	35°	48°	1°	3°	277	201	91	94	SW	1	Calm	0	10	10	—	Dull and gloomy.
22	30° 78	30° 79	37°	38°	33°	46°	1°	0°	208	210	92	93	Calm	0	Calm	0	8	10	—	Dull and gloomy.
23	30° 75	30° 66	36°	37°	31°	42°	0°	3°	208	215	97	91	Calm	0	Calm	0	10	10	—	Dull and gloomy.
24	30° 66	30° 60	35°	37°	32°	41°	0°	1°	202	207	97	91	Calm	0	Calm	0	10	10	—	Dull and gloomy.
25	30° 72	30° 52	28°	34°	26°	41°	0°	1°	144	172	92	86	Calm	0	Calm	0	10	8	160	☼ n. ☼ a.
26	30° 36	30° 53	35°	31°	31°	42°	0°	1°	197	142	95	78	Calm	0	Calm	0	4	0	140	☼ n. Fine and bright.
27	30° 45	30° 55	33°	32°	27°	42°	0°	0°	178	176	91	96	Calm	0	Calm	0	10	0	—	☼ n. Fine and clear.
28	30° 66	30° 47	31°	37°	28°	43°	0°	1°	170	206	95	84	Calm	0	Calm	0	8	3	230	Dull a., day fine and clear.
29	30° 01	30° 28	49°	39°	38°	49°	0°	1°	335	223	93	91	SE	2	SE	1	10	0	—	Dull day.
30	30° 49	30° 49	32°	35°	30°	42°	0°	1°	172	195	92	94	Calm	0	Calm	0	3	170	—	☼ n. Fine and bright.
31	30° 43	30° 36	43°	43°	33°	47°	0°	3°	273	267	97	93	Calm	0	SE	1	8	10	095	☼ n. Fine and bright.
Mean	29° 582	29° 571	39°	39°	34°	46°	1°	1°	230	223	91°	91°	0°	0°	8°	5°	2°	651		

DUNROBIN CASTLE.—DECEMBER 1891.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	45.4	48.2	37.2	48.7	0.9	1.2	in.	in.	0.9	0.9	0.9	ins.	Fine a. Dull p.
2	29.30	29.18	35.3	36.5	35.1	48.7	0.8	0.4	191	209	93	97	SW	SW	☁ (mist) a. Clear p.
3	28.88	28.22	47.5	43.9	35.4	47.7	1.2	1.6	299	252	91	87	SW	SW	Fine and clear.
4	29.51	29.63	41.4	43.3	41.4	49.0	1.4	1.3	231	252	80	90	SW	SW	Fine and clear.
5	29.57	29.49	45.4	37.1	35.6	48.0	1.4	1.8	271	186	90	84	NW	NW	Fine all day.
6	29.61	29.77	40.4	35.8	34.5	46.3	1.9	1.5	213	183	85	87	N	N	Clear p.
7	29.64	29.04	30.8	30.3	30.0	36.5	0.5	0.8	160	148	93	88	N	N	Clear p.
8	29.63	29.48	27.1	34.8	26.0	35.0	1.8	1.3	096	176	65	88	E	E	☁ showers p.
9	29.07	28.48	34.5	41.6	34.5	41.6	1.0	1.1	180	240	90	92	W	W	Cold and clear.
10	28.46	28.77	38.2	34.8	31.0	45.5	1.9	2.5	193	155	84	76	N	N	* a. and p.
11	29.14	29.03	34.3	34.1	32.0	40.0	1.0	1.3	178	171	89	86	N	N	* a. Thaw p.
12	29.74	29.32	32.9	37.5	29.7	44.0	1.6	0.7	154	211	82	94	N	N	* a. Fair p.
13	29.06	29.31	39.4	38.9	37.5	45.0	1.1	1.1	224	216	91	92	E	E	Clear and frosty a. ☁ p.
14	29.06	29.78	36.4	36.1	35.5	39.5	1.1	2.3	195	171	91	79	N	N	Clear and frosty.
15	29.84	29.33	30.3	38.4	29.7	41.5	1.2	2.1	139	191	80	83	W	W	☁ showers a. Day mild.
16	29.77	30.17	41.4	34.8	29.7	45.0	2.7	1.5	207	172	80	85	N	N	Dull and mild.
17	30.22	30.23	32.3	35.5	30.5	43.0	1.0	1.2	161	185	88	80	E	E	Fine day.
18	29.22	29.22	41.6	44.9	35.3	44.9	1.1	0.6	240	283	92	96	W	W	Fine and clear.
19	29.21	29.27	44.4	42.4	40.5	48.0	0.9	1.4	272	241	93	89	W	W	Clear and frosty.
20	29.34	29.41	46.9	44.6	41.3	48.5	1.4	1.6	288	258	91	88	W	W	Clear and frosty.
21	29.48	29.43	39.6	31.8	31.7	46.0	1.1	1.3	221	150	91	85	N	N	Clear and frosty.
22	29.44	29.32	32.1	32.5	30.3	47.0	1.8	1.7	142	148	77	80	N	N	Clear and frosty.
23	29.22	29.17	36.2	39.4	31.3	43.5	1.7	1.7	182	208	86	87	NW	NW	Clear and frosty.
24	30.08	30.00	32.3	35.3	29.7	42.5	1.0	1.2	161	186	88	89	NW	NW	Frosty a. Clear p.
25	29.87	29.60	34.1	32.3	29.5	42.3	1.8	1.5	161	150	81	82	N	N	Dull with thaw a.
26	29.39	29.23	45.4	42.9	32.3	48.7	1.2	1.2	276	250	92	91	W	W	Fine and mild a. Breezy p.
27	29.41	29.45	30.1	40.4	34.5	44.5	1.0	1.7	104	216	91	87	NW	NW	Clear and frosty a. Dull p.
28	29.53	29.43	32.8	42.4	29.0	42.5	1.3	0.4	160	262	85	97	SW	SW	* a. Thaw p.
29	29.06	29.12	37.1	35.1	32.5	37.1	1.3	1.3	194	176	90	88	NW	NW	* a. showers.
30	29.24	29.12	37.1	35.1	32.5	37.1	1.3	1.3	195	179	88	87	W	W	Cold, with ☁ showers a.
31	29.12	29.45	36.3	38.6	30.6	38.6	1.0	0.6	196	222	92	95	NW	NW	
Mean	29.608	29.601	37.6	38.0	33.1	43.9	1.3	1.3	202	205	87.5	88.0		3.320	

BRAEMAR.—DECEMBER 1891.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +.030.

1	28°24	28°05	43°8	43°6	38°0	46°3	1°9	2°2	245	236	85	83	SW	SW	10	10	°030	Dull, dark, and damp.	
2	28°08	°15	33°5	37°8	28°2	45°0	0°8	2°1	175	186	91	82	SW	SW	0°5	3	3	°470	Fine day.
3	27°81	°06	44°6	42°8	37°0	50°2	1°0	3°1	272	212	93	77	SW	SW	4	8	4	°280	☁ showers.
4	28°34	°49	41°6	44°4	39°8	44°4	1°8	3°5	226	219	86	74	SW	SW	2	4	7	°180	
5	°41	°40	43°3	37°4	36°3	46°5	1°5	2°0	248	185	88	83	SW	SW	0°5	8	3	°090	Dull, with ☁ showers.
6	°38	°01	36°7	35°7	34°0	38°8	0°8	2°2	202	169	93	81	SW	SW	1	2	0	—	Fine day.
7	°41	°47	28°1	33°0	26°8	36°2	0°6	1°1	135	165	88	88	SW	SW	0°5	6	2	—	☁ showers at night.
8	28°41	28°26	37°4	32°7	24°7	38°8	1°4	0°7	196	172	88	92	SW	NE	0°5	8	10	°120	☁ showers at night.
9	27°92	27°45	37°9	37°8	31°3	45°2	0°9	1°1	209	206	92	91	SW	SW	10	6	10	°750	☁ showers at night.
10	°35	27°57	36°5	31°7	20°6	41°3	2°8	1°0	165	156	77	87	SW	NE	0°5	3	10	°060	☁ showers at night.
11	27°94	28°46	31°0	29°8	29°0	34°2	1°3	0°6	141	149	81	90	NW	NW	1	10	4	°080	☁ showers at night.
12	28°58	°16	29°1	32°5	22°8	33°6	0°4	0°8	149	168	93	90	NW	NE	0°5	4	10	°100	Dull day. ✱ n.
13	27°79	°15	31°1	33°5	30°3	33°8	0°4	0°8	164	175	94	91	NE	NE	0°5	10	6	°020	☁ showers at night.
14	28°37	°58	32°4	33°5	29°8	35°5	0°7	0°6	169	180	92	93	NE	S	0°5	4	6	—	Fine day.
15	°05	°19	17°1	33°5	16°0	33°5	0°4	0°8	082	175	87	90	W	SW	0°5	8	8	°370	Dull, with ✱.
16	28°50	28°99	36°7	31°3	30°2	38°0	1°2	0°6	185	161	90	91	NE	NE	0°5	8	0	—	
17	29°05	29°11	26°7	35°7	17°2	37°0	1°0	2°0	114	173	79	83	W	SW	1	3	7	—	Clear and frosty a.
18	°06	°03	37°0	38°6	33°8	39°2	1°1	0°9	198	217	90	93	SW	SW	4	10	10	°010	Dull and damp.
19	°03	°10	40°3	39°0	37°8	42°2	1°5	2°0	219	199	88	84	SW	SW	2	9	9	—	
20	°10	°25	38°7	38°6	38°0	41°4	2°0	1°9	197	198	85	85	SW	SW	0°5	7	6	—	
21	°22	°27	29°5	26°7	25°0	30°6	0°8	0°7	142	122	87	85	SW	SW	0°5	1	0	—	Dull and frosty.
22	°21	29°14	20°2	33°9	19°8	34°2	0°5	2°2	092	151	85	78	W	SW	0°5	0	0	—	Dull and frosty.
23	29°06	28°98	35°5	37°4	32°2	39°7	0°8	0°7	193	210	93	94	SW	SW	0°5	1	8	—	Dull and frosty.
24	28°89	°84	23°7	23°7	22°5	38°3	0°0	0°0	127	127	100	100	SW	SW	2	0	0	—	Dull and frosty.
25	°65	28°48	17°7	35°5	16°0	35°8	0°0	0°8	097	193	100	93	SW	SW	1	0	8	°020	Dull, with ☁.
26	°26	27°99	38°1	42°9	33°0	43°5	0°7	4°5	215	189	94	69	SW	S	0°5	10	5	°350	☁ showers at night.
27	°21	28°22	33°5	37°4	32°5	45°9	1°8	0°9	155	206	81	93	SW	SW	4	4	10	°200	Stormy.
28	28°22	°01	33°1	34°8	32°3	42°2	3°4	0°3	122	196	65	96	SW	SW	2	8	2	°550	Stormy.
29	27°91	28°01	34°7	32°8	31°8	42°2	1°4	1°6	174	153	86	82	SW	SW	2	4	5	—	
30	28°01	27°83	35°5	30°9	31°0	39°9	1°8	2°1	174	180	84	83	SW	SW	0°5	8	8	°370	☁ showers at night.
31	27°92	28°08	32°2	35°7	30°2	41°0	0°5	0°8	172	196	94	93	SW	SW	2	2	10	°150	☁ showers at night.
Mean	28°419	28°431	33°5	35°5	29°3	40°0	1°1	1°4	173	181	88°0	86°0	1°1	1°7	5°4	5°9	4°200		

LAUDALE.—DECEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	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.	50.5	46.3	42.0	50.7	2.5	2.2	in.	in.	83	85	SSE 6	SSW 4	10	10	ins. 300	Squally (gale) ☁.
2	29.17	26	43.3	40.2	37.3	48.3	3.2	2.2	214	253	77	85	SE 2	SSE 3	4	10	660	
3	28.91	23	50.0	48.8	41.0	50.4	1.0	3.3	334	268	93	78	SW 5	SSE 6	10	10	610	☁ all day. ☁ (gale) till 3p.
4	29.56	66	45.4	50.0	43.5	50.8	2.4	3.0	249	286	83	80	W 3	Calm 0	10	10	610	☁ showers.
5	61	56	49.0	44.9	42.7	58.3	2.8	1.9	280	254	80	86	W 3	SW 2	10	8	260	☁ showers.
6	82	84	44.0	41.5	38.7	46.3	3.7	2.5	211	211	73	81	NW 2	SE 1	10	2	090	
7	57	67	39.2	31.0	29.6	42.8	2.2	1.3	197	141	82	81	Calm 0	Calm 0	10	0	630	Dull till 3p. ☁ magnificent display.
8	68	29.43	43.0	45.5	30.2	48.4	1.6	1.5	242	270	87	89	W 2	W 1	10	10	700	Mock sun a. ☁ from 3p.
9	29.10	28.59	49.8	49.3	41.7	51.4	3.6	3.3	239	273	75	77	WSW 4	W 9	10	10	1200	☁ ☁ ☁.
10	28.61	28.69	40.5	35.3	35.3	49.3	2.5	1.0	202	187	80	91	SW 1	ENE 1	3	10	260	☁ ☁ ☁ (sleet) showers.
11	29.32	29.74	38.7	39.0	34.9	41.7	3.0	3.8	179	167	77	71	N 3	N 3	8	1	260	* a. ☁ ☁ (sleet) showers later.
12	29.82	12	36.2	36.5	34.7	40.7	2.2	1.5	173	187	81	87	NNW 1	NNE 4	3	10	370	☁ ☁ ☁ (sleet) showers later.
13	28.96	16	39.3	39.0	31.7	40.4	0.9	1.0	223	218	93	92	NW 2	SE 2	10	13	750	* a. ☁ ☁ (sleet) showers a. ☁ (sleet) showers.
14	29.65	84	38.9	33.7	32.5	41.9	2.0	0.7	198	180	85	92	N 2	Calm 0	4	0	030	* a. ☁ ☁ (sleet) showers.
15	77	29.32	36.5	40.0	31.2	49.8	2.4	2.0	172	298	79	86	NE 2	WSW 7	10	10	870	* a. ☁ ☁ (sleet) showers. ☁ from noon. ☁ (gale) from
16	29.78	30.19	44.0	36.0	34.0	49.0	2.3	1.7	238	180	82	85	NE 1	N 1	6	1	—	☁ ☁ (gale) n. Day fine and clear.
17	30.28	27	41.2	43.7	34.1	44.3	3.3	2.0	194	242	75	85	ESE 4	S 7	4	10	040	☁ ☁ p. ☁
18	30	26	46.3	48.2	37.6	48.9	1.5	1.7	279	295	90	89	WSW 3	WSW 2	10	10	350	☁ ☁
19	31	32	46.0	45.7	42.7	50.0	2.0	2.7	265	247	86	81	SSW 2	SW 2	10	10	—	
20	37	48	45.7	43.0	38.9	47.2	3.0	1.6	241	242	79	87	W 2	ESE 3	10	3	—	
21	52	50	38.0	41.2	35.0	44.3	1.3	3.9	203	184	89	71	Calm 0	Calm 0	5	0	—	Fine, calm, and clear.
22	46	43	42.2	41.4	33.1	43.5	5.2	2.7	172	207	65	80	Calm 0	E 3	3	8	—	☁ ☁ ☁ (sleet) at night.
23	30	22	46.0	44.0	37.4	46.9	3.6	2.7	233	230	76	79	S 1	S 4	7	7	—	☁ ☁ ☁ (mist). Warm.
24	30.13	30.03	40.4	42.7	36.0	45.3	2.4	2.3	203	226	81	83	Calm 0	SSE 1	9	10	—	☁ ☁ ☁ (sleet) showers a. and p.
25	29.88	29.64	38.3	42.4	37.4	44.9	2.8	2.4	179	221	77	82	Calm 0	WSW 4	10	10	310	☁ ☁ ☁ (sleet) showers. ☁ ☁ ☁ (sleet) showers.
26	35	22	48.3	47.2	40.2	51.9	1.9	2.9	292	258	87	80	SSW 2	SW 1	10	10	930	* a. ☁ ☁ (sleet) showers. ☁ ☁ ☁ (sleet) showers.
27	43	41	42.0	41.0	39.0	48.2	2.4	1.8	218	219	82	86	SSW 2	NNW 1	10	4	550	☁ ☁ ☁ (sleet) showers a. and p.
28	54	15	37.3	45.0	33.2	45.0	1.9	1.3	268	268	84	90	N 1	SE 4	7	10	1470	☁ ☁ ☁ (sleet) showers. ☁ ☁ ☁ (sleet) showers.
29	14	26	42.7	39.3	32.5	45.0	3.7	2.0	200	202	73	84	NNW 4	N 6	6	7	300	☁ ☁ ☁ (sleet) showers. ☁ ☁ ☁ (sleet) showers.
30	30	15	40.0	40.0	33.7	49.5	1.7	1.0	218	226	86	02	NW 3	NW 2	10	10	700	* a. ☁ ☁ (sleet) showers. ☁ ☁ ☁ (sleet) showers.
31	29.16	29.43	41.5	41.6	35.0	44.0	1.8	1.9	225	224	87	86	NNW 3	NNW 2	10	7	200	* a. ☁ ☁ (sleet) showers all day. ☁ ☁ ☁ (sleet) showers.
Mean	29.62	29.620	42.6	42.5	36.8	47.4	2.5	2.1	225	230	81.5	83.9	2.1	2.8	8.0	7.4	12.450	

GLASGOW.—DECEMBER 1891.

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.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	47.4	45.3	42.4	50.0	2.0	0.7	in.	in.	%	%	S	1	S	1	10	10	ins.	Overcast, with ☁ ² ▲ ⁰ showers.
2	29.23	29.05	47.4	45.3	42.4	50.0	2.0	0.7	299	286	50	95	S	1	S	1	10	10	2.00	☁ ² (mist) ga.
3	29.11	29.04	47.9	41.9	36.1	46.2	0.7	1.8	214	228	94	87	NE	1	SE	1	8	0	2.10	☁ ² a. Squally and overcast.
4	28.88	28.16	53.4	47.7	41.9	54.0	2.4	3.0	342	261	84	80	S	3	SW	2	10	6	2.90	☁ ⁰ a.
5	29.48	28.58	45.3	47.9	44.9	48.7	1.7	2.1	263	282	87	86	S	1	S	1	10	10	3.40	Overcast, with ☁ ² .
6	29.50	29.43	48.7	45.4	44.9	49.6	1.3	1.3	311	273	91	91	SW	1	SW	1	10	10	3.40	☁ ² a. ☼
7	29.58	29.47	41.1	39.4	39.1	45.9	1.5	1.3	226	216	88	90	W	2	W	1	8	4	3.45	Overcast, with ☁ ⁰ . ☼ ☼ p.
8	29.54	29.51	38.7	35.3	35.3	41.1	0.7	1.9	231	170	94	82	E	1	W	1	10	0	3.48	Overcast, with ☁ ⁰ . ☼ ☼ p.
9	29.53	29.24	44.4	45.2	32.3	45.5	1.8	0.6	253	287	87	96	SW	1	S	1	6	10	3.48	Overcast, with ☁ ² .
10	29.00	28.47	43.3	48.3	41.7	48.5	2.7	0.7	223	322	80	95	W	1	SW	3	4	10	3.48	Squally and overcast, with ☁ ² .
11	28.48	28.38	40.4	36.3	35.9	49.1	1.4	1.2	222	192	89	90	W	2	N	3	10	10	3.65	Overcast, with ☁ ² ✱ ⁰ .
12	29.13	29.60	34.9	33.7	33.4	38.5	2.7	1.0	152	173	75	89	W	1	SW	1	5	2	3.68	✱ ⁰ in afternoon.
13	29.70	29.07	35.3	33.2	33.0	39.7	2.1	0.3	166	184	80	97	SW	1	E	1	10	10	3.68	Overcast a. ✱ ² from 2p. [overcast
14	28.81	28.06	34.7	36.6	32.7	36.6	0.3	0.7	196	203	97	94	NE	1	NE	1	10	10	3.78	☁ ² ✱ ⁰ ☼ ⁰ (mist) a. Dull an
15	29.51	29.69	37.1	35.3	34.9	41.0	1.9	1.2	185	183	84	89	W	1	S	1	2	0	3.78	— Fine and clear. ☼
16	29.67	29.24	32.9	35.9	29.9	36.5	1.2	0.3	162	205	86	97	NE	1	W	1	10	8	3.95	Overcast, with ☁ ² .
17	29.58	30.08	45.7	34.9	34.9	46.1	3.0	0.8	229	187	75	92	W	1	NE	1	7	0	3.95	— Fine and clear. ☼ (mist) 9p.
18	30.19	30.20	31.9	39.3	27.9	40.1	0.7	1.9	164	204	91	85	E	1	SE	1	10	10	3.95	☼ ² a. Overcast.
19	29.21	29.19	39.3	43.8	36.3	44.2	1.2	0.4	217	276	91	97	S	1	S	1	10	10	4.10	Overcast, with ☁ ⁰ showers.
20	29.23	29.22	43.1	42.2	41.9	44.3	1.9	0.8	237	252	85	93	SW	1	S	1	10	10	4.10	— Dull and overcast.
21	29.28	29.37	39.5	40.6	38.1	43.2	1.7	2.1	209	211	86	84	SW	1	SW	1	3	9	4.10	— Fine and clear. ☼
22	29.39	29.38	38.7	35.9	35.3	41.7	1.1	1.1	214	192	91	91	SW	1	SW	1	5	0	4.10	— Fine and clear. ☼ (mist) p.
23	29.38	29.29	40.5	37.7	28.3	37.7	0.3	1.5	155	197	95	87	SE	1	S	1	10	10	4.10	☼ ² a. Clear afternoon.
24	30.24	30.09	37.1	36.0	35.8	41.0	1.7	1.0	188	193	85	91	SW	1	NE	1	3	9	4.10	— Fine and clear. ∞ in evening.
25	29.99	29.89	35.9	35.1	32.7	38.0	0.5	0.5	201	195	96	95	S	1	W	1	10	10	4.10	Overcast, with ☼ ⁰ (mist).
26	29.74	29.55	34.9	36.9	33.1	38.0	1.6	1.4	171	193	84	89	S	1	SE	1	10	10	4.10	— Overcast, with ☼ ⁰ (mist).
27	29.28	29.14	44.1	45.4	36.6	46.4	2.1	1.0	243	281	85	93	S	2	S	1	10	10	4.10	Overcast a. ☼ ⁰ p.
28	29.39	29.34	36.8	39.6	36.5	45.7	2.0	1.0	181	223	83	92	S	1	S	1	1	10	4.10	Fine and clear. ☼ ² p.
29	29.43	29.10	35.2	41.9	34.5	42.1	1.3	0.8	181	248	88	94	SW	1	S	2	5	10	4.10	Fine and clear. ☼ ² in evening.
30	29.06	29.18	39.8	38.4	35.9	48.2	1.4	2.0	217	193	89	84	W	1	W	2	10	7	4.24	☼ ² ▲ ² showers. <
31	29.20	29.01	39.5	41.1	36.4	41.3	1.1	0.5	220	247	91	96	SW	1	SW	1	10	10	3.30	Overcast, with ☁ ² .
31	29.05	29.22	36.9	40.4	34.5	41.4	1.7	3.8	187	179	86	71	W	1	NW	2	5	0	4.10	Cloudy, with ☼ ⁰ ▲ ⁰ showers.
Mean	29.534	29.595	39.5	39.9	36.0	43.5	1.6	1.2	214	224	87.1	90.1	1.2		1.3	7.8	7.0	6.655		

WOLFELEE.—DECEMBER 1891.

Height above Mean Sea Level, 587 feet. Heights above Ground:—Bar., 14 feet. Therms., 4 feet. Rain-gauge, 6 inches.
Long. 2° 39' W. Lat. 55° 23' N. Gravity Correction, +.025.

[illegible]

SCARBOROUGH.—DECEMBER 1891.

Height above Mean Sea Level, 159 feet. Heights above Ground:—Bar., 1 foot. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $0^{\circ} 23' W.$ Lat. $54^{\circ} 17' N.$ Gravity Correction, $+0.025$.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	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°7	45°0	36°6	45°5	0°6	0°5	in.	in.	%	%	SW	3	S	6	6	10	ins.	Fair, then stormy, with ☉.
2	29°54	29°30	39°7	45°0	36°6	45°5	0°6	0°5	231	227	95	96	SW	3	S	6	6	10	510	☉ ² a. Very fine p.
3	°15	°44	43°9	39°4	39°3	46°2	0°3	0°8	279	225	98	94	S	1	W	3	10	0	090	☉ ² a. Very fine p.
4	°30	°39	45°4	49°1	37°6	54°5	0°8	2°1	285	296	95	85	S	6	SW	2	10	0	090	Dark, stormy, and very wild, with ☉.
5	°66	°83	42°9	43°1	42°5	50°2	0°0	0°9	263	258	95	93	SW	2	SW	1	1	0	—	Fine day.
6	°71	°56	46°0	48°6	41°7	50°2	1°3	1°9	280	295	91	87	SW	3	SW	3	8	10	030	Fine day.
7	°69	°84	42°6	40°7	39°8	49°8	1°8	1°3	234	226	87	90	W	3	W	3	0	5	130	Brilliant and fresh.
8	°33	°26	44°1	42°0	39°0	45°9	0°2	0°7	285	251	98	94	E	7	NE	8	10	10	310	Very stormy, with ☉.
9	°65	29°53	39°7	43°3	33°3	44°9	0°8	1°2	228	254	93	91	W	4	SW	4	5	10	130	Fine day.
10	29°14	28°52	43°7	44°0	42°5	46°0	0°5	1°4	273	256	96	89	SW	3	SW	7	10	10	230	Stormy, with ☉ early a. (gale) n.
11	28°67	28°58	42°0	43°0	41°3	46°8	1°2	1°4	240	246	91	89	SW	10	SW	5	10	1	070	Stormy, with ☉ early a., then very
12	29°14	29°58	35°6	34°6	33°6	43°4	1°5	1°6	179	169	86	84	W	3	SW	3	6	0	—	Brilliant, dry, and cold.
13	29°86	29°27	34°6	36°9	32°0	37°7	1°1	0°3	179	214	90	97	SW	2	S	1	10	10	520	Very fine a. ✕ storms p.
14	28°96	28°58	42°6	41°0	36°3	48°2	1°0	0°8	251	239	92	94	S	2	SW	1	5	6	140	Fair, then ☉.
15	29°42	29°70	39°6	38°2	36°1	41°8	0°5	1°9	232	193	96	84	NW	1	SW	2	10	0	030	☉ ² a., then brilliant. ☐ gp.
16	°78	29°36	34°9	46°9	31°3	47°0	0°7	0°3	188	215	93	98	SW	1	W	4	5	10	250	Very fine a. Dark, with ☉ from noon.
17	29°45	30°05	43°4	41°9	41°8	48°4	1°8	2°4	241	216	86	83	W	4	NE	2	10	1	010	☉ ² a., then very fine.
18	30°27	°34	35°0	33°6	31°0	42°2	0°6	0°9	191	174	91	90	SW	1	S	1	3	0	—	Brilliant all day.
19	°39	°38	32°4	32°6	31°0	36°2	0°8	0°9	166	166	90	89	SW	1	S	2	2	1	—	Very fine, but cold.
20	°40	°39	30°3	29°5	29°3	33°5	0°7	0°1	150	160	89	98	SW	3	SW	1	2	0	—	Very fine, but cold. ∞ gp.
21	°44	°45	25°3	30°9	24°3	31°2	—	—	—	—	—	—	SW	1	SW	1	1	0	—	☉ ² a. Very fine, but very cold.
22	°45	°42	27°2	30°5	26°3	32°4	—	—	—	—	—	—	W	1	SW	1	0	0	—	Very fine, but cold.
23	°42	°35	24°6	30°2	18°3	33°2	—	—	—	—	—	—	W	1	W	3	0	0	—	Very fine, but cold.
24	°39	°38	32°4	32°6	31°0	36°2	0°8	0°9	166	166	90	89	SW	1	S	2	2	1	—	Very fine, but very cold. ∞ gp.
25	°40	°39	30°3	29°5	29°3	33°5	0°7	0°1	150	160	89	98	SW	3	SW	1	2	0	—	☉ ² a., then brilliant. ☐ gp.
26	°44	°45	25°3	30°9	24°3	31°2	—	—	—	—	—	—	SW	1	SW	1	1	0	—	☉ ² a. Very fine, but very cold.
27	°45	°42	27°2	30°5	26°3	32°4	—	—	—	—	—	—	W	1	SW	1	0	0	—	Very fine, but cold.
28	°42	°35	24°6	30°2	18°3	33°2	—	—	—	—	—	—	W	1	W	3	0	0	—	Very fine, but cold.
29	°39	°38	32°4	32°6	31°0	36°2	0°8	0°9	166	166	90	89	SW	1	S	2	2	1	—	Very fine, but very cold. ∞ gp.
30	°40	°39	30°3	29°5	29°3	33°5	0°7	0°1	150	160	89	98	SW	3	SW	1	2	0	—	☉ ² a., then brilliant. ☐ gp.
31	29°14	29°22	37°5	39°7	36°6	42°0	0°5	1°4	214	216	95	88	SW	2	W	3	1	1	—	☉ ² a., then fine.
Mean	29°657	29°643	36°5	37°9	33°1	41°9	—	—	—	—	—	—	2°7	—	3°0	4°9	4°0	2°780	—	☉ ² a., then fine.

CRONKBOURNE (DOUGLAS, ISLE OF MAN).—DECEMBER 1891.

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.

1	20° 32'	20° 15'	50° 4'	48° 5'	40° 0'	50° 7'	0° 4'	1° 0'	'356	'316	97	93	S	5	SW	3	10	10	'630	<i>a.</i> Overcast, with ☉.
2	'18	'36	42° 8'	47° 4'	34° 0'	48° 5'	0° 2'	2° 4'	'270	'270	99	83	NW	1	SSW	4	10	10	'402	Fine from 10a. ☉ ² at night.
3	'14	'33	53° 6'	56° 6'	40° 6'	53° 6'	0° 6'	4° 8'	'394	'278	96	70	SSW	7	WSW	6	10	8	—	Overcast, with squally ☉.
4	'66	'74	51° 3'	51° 0'	40° 8'	52° 6'	1° 6'	1° 5'	'337	'336	89	90	WSW	4-5	SW	6-7	7	10	'094	Squally <i>a.</i> and <i>p.</i> Cloudy day.
5	'66	'59	51° 7'	47° 2'	40° 6'	51° 7'	0° 7'	0° 7'	'305	'315	95	98	SW	5-6	W	3	10	10	'684	Overcast, with squally ☉.
6	'78	'81	44° 8'	45° 0'	40° 3'	47° 2'	2° 0'	1° 0'	'252	'275	85	92	W	4	WSW	3	3	10	1° 126	Fine <i>a.</i> Dull afternoon.
7	'10	'62	39° 2'	43° 0'	36° 5'	45° 6'	0° 1'	1° 8'	'238	'238	99	86	NE	5	NW	4-5	10	8	'030	Overcast, with squally ☉.
8	'74	20° 40'	45° 0'	49° 8'	37° 9'	49° 8'	1° 7'	1° 3'	'260	'325	87	91	SW	4	SW	7	1	10	'132	Cloudy <i>a.</i> Overcast <i>p.</i> Squally ☉ [n.]
9	20° 21'	28° 01'	44° 7'	46° 3'	43° 9'	49° 8'	2° 0'	0° 4'	'251	'304	86	98	WSW	4	SW	7-8	1	10	'710	Fine <i>a.</i> Squally ☉ <i>n.</i> [from 4p.]
10	28° 71'	28° 60'	46° 0'	44° 7'	44° 0'	50° 5'	2° 0'	1° 9'	'065	'253	86	86	W	5-6	W	7-9	8	10	'111	☉ ² <i>a.</i> Dull, with squally ☉.
11	20° 33'	20° 76'	39° 0'	39° 2'	36° 8'	44° 7'	1° 8'	1° 6'	'203	'208	86	87	WNW	5-6	WNW	5-6	8	3	—	☉ showers <i>a.</i> Fine, with squally ☉.
12	20° 77'	'13	42° 2'	49° 0'	33° 0'	50° 6'	3° 1'	0° 2'	'207	'343	78	99	S	4	W	4-5	10	10	2° 038	Squally ☉ with ☉ ² Δ <i>p.</i>
13	28° 83'	'08	44° 0'	48° 8'	42° 0'	49° 4'	0° 2'	0° 2'	'283	'293	98	99	Calm	0	WNW	2	10	10	'180	☉ ² <i>a.</i> ☉ showers.
14	29° 64'	'76	43° 9'	38° 4'	38° 4'	46° 0'	1° 3'	0° 6'	'258	'220	90	95	WNW	4	E	1	6	9	'020	Dull day. ☉ <i>pp.</i>
15	'68	20° 47'	44° 0'	47° 8'	36° 4'	51° 7'	0° 2'	1° 2'	'283	'303	98	91	SE	3	WNW	4-5	10	3	'493	Overcast, with ☉. ☉ squalls <i>n.</i>
16	20° 63'	30° 08'	47° 8'	39° 4'	39° 4'	48° 8'	2° 4'	0° 4'	'274	'233	83	97	NNW	8	ENE	2	9	0	'030	Squally ☉ <i>a.</i> Fine afternoon. ☉ [p.]
17	30° 22'	'25	44° 3'	43° 0'	39° 0'	46° 2'	1° 8'	2° 2'	'252	'230	86	83	SSE	4	S	3	7	10	—	Fine day.
18	'30	'32	45° 0'	46° 2'	42° 0'	46° 2'	2° 0'	1° 4'	'253	'281	85	91	SSW	4	SSW	5-6	10	10	'014	Overcast day. Squally <i>p.</i>
19	'36	'33	43° 0'	44° 1'	41° 0'	46° 2'	2° 2'	1° 5'	'230	'256	83	88	S	4	SSW	6	7	10	—	Overcast. Squally ☉ <i>p.</i>
20	'40	'45	43° 2'	43° 8'	41° 0'	44° 5'	1° 4'	1° 8'	'249	'246	89	86	SSW	3	S	2	8	7	—	Overcast.
21	'47	'45	30° 4'	29° 8'	28° 4'	43° 8'	0° 2'	0° 3'	'164	'158	97	95	Calm	0	N	1	0	0	—	☉ ² <i>a.</i> and <i>p.</i> Dull, with ☉☉☉ (mist).
22	'44	'38	30° 3'	41° 0'	26° 7'	44° 3'	0° 6'	2° 0'	'153	'215	91	84	Calm	0	WSW	2	0	7	'010	☉☉☉☉ (mist) <i>a.</i> Fine day. ☉ <i>p.</i>
23	'28	30° 15'	37° 8'	35° 8'	35° 8'	41° 2'	2° 6'	0° 8'	'179	'195	79	93	Calm	0	Calm	0	9	4	—	☉ <i>a.</i> and <i>p.</i> Dull with ☉☉☉ (mist).
24	30° 06	20° 95'	29° 8'	35° 2'	27° 2'	35° 8'	0° 8'	0° 4'	'144	'198	86	96	NNW	1	Calm	0	8	10	'002	☉ ² <i>a.</i> Dull, with ☉☉☉ (mist).
25	20° 83'	'67	36° 6'	33° 8'	34° 2'	43° 8'	0° 8'	1° 8'	'201	'246	93	86	SSE	2	S	4	10	10	'008	☉☉☉☉ Overcast, with ☉☉☉☉ (mist).
26	'41	'25	47° 8'	48° 8'	42° 8'	48° 8'	1° 0'	0° 6'	'308	'331	93	95	S	5-6	SSW	5	10	10	'160	☉ <i>a.</i> Squally, with ☉ showers.
27	'54	'46	42° 0'	45° 0'	38° 7'	48° 8'	3° 0'	1° 2'	'207	'271	78	91	WSW	4-5	SSW	6-7	2	10	'223	Fine till 2p. ☉ ☉ ☉ showers <i>p.</i>
28	'57	'33	39° 3'	48° 8'	37° 0'	48° 0'	1° 6'	0° 2'	'200	'330	88	99	W	3	SSW	7	1	10	'662	Fine <i>a.</i> Dull <i>p.</i> Squally ☉ ☉ <i>n.</i>
29	'31	'40	45° 0'	43° 0'	42° 1'	50° 0'	3° 3'	3° 0'	'220	'215	77	78	W	5	W	4-5	2	2	—	☉ <i>a.</i> Dull day.
30	'37	'17	45° 6'	44° 0'	42° 0'	45° 6'	1° 6'	0° 2'	'269	'283	88	98	WSW	3	NW	1	10	10	'162	Overcast, with ☉ showers.
31	20° 27'	20° 43'	42° 7'	42° 3'	39° 3'	44° 8'	2° 4'	2° 1'	'224	'234	82	84	W	4-5	NW	6	3	3	—	Cloudy and squally.
Mean	20° 652'	20° 638'	45° 0'	44° 2'	38° 7'	47° 4'	1° 5'	1° 3'	'251	'264	88° 6'	90° 4'		3° 7'	4° 0'	6° 8'	7° 9'	8° 282'		

STONYHURST.—DECEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	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.	45°	44°	40°	48°	1°	0°	270	283	89	96	SSE 5	WbyS 2	10	10	ins.	
2	29°22	28°08	45°	44°	40°	48°	1°	0°	270	283	89	96	SSE 5	WbyS 2	10	10	148 Squally a. Overcast, with p.	
3	29°06	29°20	40°	40°	39°	43°	0°	1°	237	215	96	87	Calm 0	WSW 1	10	0	098 Overcast, with (mist) a.	
4	29°02	29°20	49°	49°	39°	55°	1°	2°	322	298	93	86	S 5	swb.w 2	10	10	092 Squally a. Overcast. p.	
5	44	58	46°	45°	42°	50°	0°	2°	303	264	95	86	WSW 2	swb.w 2	10	0	— Overcast a. (mist) p.	
6	51	34	48°	48°	43°	52°	2°	4°	281	333	93	97	SSW 3	SW 3	10	10	825 Overcast. in evening.	
7	29°56	61	44°	40°	40°	48°	2°	1°	234	222	81	90	WSW 3	WbyS 1	9	0	300 (mist) p.	
8	29°04	26	43°	41°	39°	44°	1°	2°	257	204	90	80	SbyE 4	NW 5	10	4	166 Squally a. and p. Overcast, with p.	
9	29°50	20	41°	45°	35°	45°	1°	1°	235	275	89	92	WSW 2	SbyW 4	9	10	495 Overcast, with p.	
10	28°06	28°70	43°	46°	42°	46°	1°	0°	239	294	85	95	W 4	SSW 4	2	10	1098 Squally a. and p. Overcast. p.	
11	28°52	28°39	42°	45°	41°	50°	0°	2°	258	252	94	82	WSW 4	swb.w 5	10	10	475 Squally a. and p. Overcast, with p.	
12	29°01	29°50	37°	35°	34°	45°	2°	1°	179	189	81	91	W 4	W 2	8	10	340 *▲ a. ▲ p. showers later.	
13	29°01	28°51	34°	47°	33°	47°	1°	0°	179	308	90	96	Calm 0	S 4	10	10	950 Overcast. * p. in evening.	
14	28°54	28°82	43°	42°	42°	48°	1°	0°	251	264	90	97	Calm 0	WbyS 1	10	10	650 Overcast, with p.	
15	29°27	29°54	41°	37°	37°	48°	2°	1°	08	224	100	85	93	swb.w 1	Calm 0	4	0	— (mist) p.
16	52	20	35°	48°	34°	49°	0°	8°	188	335	92	97	N by E 1	WSW 5	10	10	860 Overcast, with p. Squally a. p.	
17	29°34	29°86	44°	38°	38°	48°	2°	1°	240	203	82	86	W 6	Calm 0	10	10	— Overcast, with squally a. p.	
18	30°04	30°09	33°	32°	32°	38°	1°	0°	171	150	89	81	Calm 0	Calm 0	0	0	— Cloudless, but with p.	
19	13	15	35°	36°	34°	37°	2°	1°	169	184	81	86	Calm 0	W 1	10	10	— Overcast.	
20	19	16	34°	30°	30°	36°	1°	0°	159	142	80	82	S 1	Calm 0	10	0	— L. Overcast, with (mist).	
21	22	23	28°	27°	24°	33°	1°	1°	120	111	78	75	Calm 0	Calm 0	0	0	— Fine and clear.	
22	23	23	26°	28°	23°	35°	0°	0°	117	120	83	78	Calm 0	Calm 0	0	0	— Fine all day.	
23	23	30°16	24°	30°	24°	33°	2°	2°	067	112	51	67	Calm 0	Calm 0	0	0	— Cloudless, but with p.	
24	30°06	29°02	26°	30°	22°	31°	1°	1°	112	133	78	79	Calm 0	Calm 0	10	0	— a. Overcast. (mist) p.	
25	29°83	74	26°	21°	20°	30°	0°	0°	117	103	83	88	Calm 0	C 0	4	0	— L. Overcast, with p.	
26	62	50	17°	25°	15°	27°	0°	0°	075	119	80	87	Calm 0	Calm 0	0	0	032 a. (mist) p.	
27	35	10	38°	44°	25°	45°	4°	1°	226	272	97	93	SbyW 2	S 4	10	10	234 Cloudy. Squally, with p.	
28	37	34	35°	36°	34°	44°	0°	1°	188	187	91	86	WbyS 1	S 4	1	10	183 (mist) a. K	
29	33	23	34°	37°	34°	39°	0°	0°	194	212	96	94	WbyS 1	S 4	8	10	612 showers a. Squally, with p.	
30	39	29	42°	40°	37°	47°	1°	2°	239	201	90	81	swb.w 2	WbyS 3	10	9	211 Overcast, with showers. ▲	
31	29°17	28°93	40°	46°	39°	47°	1°	0°	217	308	88	99	WbyS 1	WSW 2	10	10	745 Overcast, with p. p.	
32	28°09	29°12	39°	41°	38°	46°	1°	1°	213	227	88	86	WNW 3	W 5	10	6	163 Overcast. p. ▲	
Mean	29°44	29°43	37°	38°	34°	43°	1°	1°	203	217	86°	87°	1°	2°	7°	5°	8°	

HILLINGTON.—DECEMBER 1891.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021.

1	29°73	29°49	40°8	43°7	31°4	46°4	1°0	1°0	233	262	92	92	SW	3	SW	5	8	10	697	● ² 9p.
2	29°30	29°42	44°8	38°5	37°8	48°2	0°3	0°7	289	219	98	94	SW	3	SW	1	10	0	018	● ¹ n. and till 10a. Cloudy from 3p.
3	29°55	29°59	47°1	55°1	35°4	55°4	1°4	1°5	289	389	90	90	SW	4	SW	6	10	10	120	Overcast and mild, with p.
4	29°84	30°02	45°1	43°1	43°0	55°6	0°2	0°5	306	267	98	96	SW	1	SW	1	3	0	013	Very beautiful day. Fine sunset.
5	29°05	29°79	50°0	50°1	39°6	54°5	1°1	2°4	331	302	92	83	W	4	WSW	5	10	1	038	Much cir. p. p.
6	29°00	30°00	41°9	39°3	38°8	53°6	1°9	0°6	326	228	86	96	SW	3	SW	1	3	8	020	● ¹ early a. Fine and sunny. [p. n.]
7	29°46	29°00	41°8	42°3	38°2	48°5	0°5	0°7	254	254	96	95	SSE	4	SW	6	10	10	237	● ¹ 10a.—11a. ● showers. Squally
8	29°88	29°74	35°9	41°6	35°1	45°3	1°1	0°8	188	245	91	94	SW	0°5	SW	2	2	8	130	Fine and sunny a. Cloudy p. ● ¹ n.
9	29°33	29°26	44°7	43°3	40°0	46°3	0°9	0°8	275	262	93	94	SW	1	WSW	4	10	10	093	● ⁰ till 10a. ● ¹ 8p.
10	28°88	28°92	53°0	44°9	42°0	54°1	3°2	3°1	318	231	79	78	WSW	6	W	7	10	3	340	● ¹ 2 a. p. p. p. p. [Cold wind.
11	29°37	29°77	39°4	34°9	34°0	45°6	3°3	1°4	179	176	75	87	NW	5	WNW	3	7	0	—	10a. < 5a. Fine and sunny.
12	30°01	29°46	32°0	46°9	39°6	46°9	0°9	0°3	160	315	88	98	SW	2	SW	5	10	10	215	— 2 a. Cloudy day. ✱ 4p. ● ⁰ p.
13	29°09	29°09	47°3	41°5	41°0	51°4	1°5	0°7	289	246	91	94	SW	4	NW	0°5	10	10	360	● ¹ a. and p. p. (violent gust) noon.
14	29°53	29°76	42°3	39°0	35°8	45°4	1°2	1°1	243	216	91	91	NW	1	W	2	6	10	010	● ² early a. [p]
15	29°55	29°55	32°5	49°2	39°1	49°4	0°3	0°9	178	327	97	94	S	1	S	4	10	10	262	Overcast all day, with frequent ●
16	29°66	30°12	43°8	40°2	39°0	49°7	3°9	1°4	205	220	72	89	S	5	NW	3	8	5	020	Overcast all day. [showers.]
17	30°34	29°46	30°0	31°0	27°6	43°5	0°8	0°2	145	169	86	96	SE	1	SW	1	3	2	—	Fine and sunny till 3p., then overcast.
18	29°56	29°53	33°8	32°0	29°2	37°1	1°1	1°3	172	151	88	83	S	1	SW	1	6	10	008	— 2 a. Overcast, with ∞.
19	29°57	29°55	26°7	27°2	25°0	33°1	0°5	0°2	134	142	94	96	SW	0°5	SW	0°5	0	0	011	— 2 a. Sunny day. Fine sunset.
20	29°59	29°56	23°2	23°6	22°0	33°4	0°3	0°0	113	127	92	100	S	0°5	SSW	0°5	0	0	005	— 2 a. Very fine and sunny. [p.]
21	29°55	29°56	19°9	18°0	16°8	31°2	0°2	0°3	099	087	94	90	SE	0°5	SSE	0°5	0	10	007	— 2 a. Very fine and sunny. ∞ p.
22	29°57	29°49	17°4	18°8	12°5	31°1	0°1	0°1	092	098	97	97	SE	0°5	SSE	0°5	7	0	008	— 2 a. Overcast. Fine red sunset.
23	29°38	29°74	18°3	22°1	16°5	30°3	0°2	0°0	092	118	94	100	SE	0°5	SE	1	3	0	014	— a. Fine and sunny.
24	30°14	30°03	22°8	19°9	16°6	26°3	0°1	0°1	118	103	97	97	S	0°5	S	0°5	10	10	002	— all day.
25	29°05	29°87	19°9	32°8	18°9	32°8	0°0	0°1	107	184	100	99	S	1	S	0°5	10	10	012	— a. Rime falling from trees.
26	29°82	29°61	41°0	43°2	32°0	43°9	0°5	1°5	250	246	95	89	S	2	S	4	10	10	038	[● ⁰ 4p.]
27	29°72	29°84	36°1	34°0	32°0	44°3	0°4	0°6	204	183	96	93	W	1	SW	1	4	0	088	Fine and sunny. — p.
28	29°70	29°73	34°8	33°8	32°0	39°4	0°2	0°6	198	182	95	93	SW	1	SW	3	7	2	187	Cloudy, then fine and sunny. — p.
29	29°46	29°56	48°5	40°1	33°0	48°9	0°8	1°4	321	219	94	89	SW	4	SW	3	7	3	014	Very fine day.
30	29°58	29°31	37°8	37°8	35°2	51°4	0°5	1°6	217	338	96	90	S	0°5	SW	5	10	10	030	Overcast and gloomy. ● 11a.—4p.
31	29°31	29°44	44°1	39°6	38°0	53°0	0°5	2°0	277	204	96	84	WSW	2	SW	6	8	0	275	● ² ▲ 0 11a.—1p. Fine p. p. n.
Mean	29°826	29°814	36°7	37°5	31°6	44°4	0°9	0°9	209	216	91°9	92°3	2°1	—	2°7	6°8	5°5	3°362	—	—

CHURCHSTOKE.—DECEMBER 1891.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +.018.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.		Per-centage.								
	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.			
1	ins.	ins.	46°8	43°8	42°8	49°3	0°9	0°4	298	276	93	97	SSE 4	SE 2	10	5	ins.	
2	28°78	29°05	36°3	43°2	34°0	48°6	0°4	1°5	206	246	97	89	SW 1	SE 2	5	0	360	
3	28°93	29°05	40°9	49°7	50°7	40°8	56°0	1°5	1°8	338	89	92	SSW 2	SE 4	10	10	090	
4	29°32	29°05	45	48°4	46°8	43°2	52°3	1°5	0°9	303	208	89	93	WSW 2	W 3	6	2	000
5	29°40	29°05	40	48°7	49°9	46°0	53°6	1°5	0°9	306	335	89	94	SW 3	SW 5	8	8	—
6	29°47	29°05	43	42°8	43°4	39°1	50°9	1°5	1°5	242	248	88	88	WNW 2	SW 2	4	10	410
7	28°66	29°05	21	43°4	40°8	40°0	47°5	0°5	1°7	270	219	96	87	SSW 5	W 2	10	4	264
8	29°40	29°05	29°08	43°8	40°4	37°1	48°0	2°1	0°9	231	204	84	94	WNW 2	SW 2	5	10	310
9	28°88	29°05	28°62	41°3	50°9	40°0	51°1	1°2	1°7	234	339	91	88	WSW 1	SW 5	8	8	600
10	29°50	29°05	28°49	40°2	41°3	39°2	51°9	1°3	1°2	222	231	90	89	SW 3	WSW 5	8	8	264
11	28°90	29°05	29°42	40°9	36°1	34°0	42°2	4°5	2°2	172	171	67	80	W 4	W 1	8	2	020
12	29°42	28°80	35°9	46°3	30°5	52°1	2°2	0°6	179	209	82	96	SSE 2	SW 4	10	10	740	
13	28°31	28°65	42°8	42°8	41°1	47°3	0°9	0°5	255	264	93	96	SSE 2	SE 1	10	10	429	
14	29°23	29°05	37°2	38°8	36°9	46°1	1°9	0°9	239	218	86	93	W 2	W 1	8	10	040	
15	29°33	29°05	40°4	50°7	37°2	52°3	0°5	1°9	240	321	96	88	SE 1	SW 4	10	8	098	
16	29°31	29°05	44°0	35°1	34°4	51°3	3°1	0°2	223	200	76	88	W 4	Calm	0	0	—	
17	28°5	29°05	33°4	27°1	25°7	37°5	1°5	0°2	160	141	84	96	SE 1	SE 1	10	8	—	
18	29°4	29°05	34°4	30°8	26°4	36°2	1°5	1°0	169	193	85	91	SSE 2	SSE 2	10	10	—	
19	29°09	29°05	30°4	28°7	27°1	37°0	0°5	0°9	156	132	91	84	SE 1	SE 1	5	0	—	
20	30°02	30°05	27°9	23°7	22°3	36°5	1°0	0°8	121	098	80	79	E 1	SE 1	0	2	—	
21	30°02	30°05	30°01	21°9	20°7	36°1	1°0	1°0	093	078	72	71	ESE 1	SE 1	1	0	—	
22	29°02	29°05	21°1	22°7	17°2	35°8	0°2	0°8	105	093	94	78	E 1	W 1	0	0	—	
23	29°86	29°05	22	18°1	21°1	16°4	29°1	0°2	0°2	091	105	94	94	SE 1	SE 1	1	0	—
24	29°63	29°05	52	18°4	11°4	11°2	24°2	0°5	0°0	082	072	85	100	Calm	W 0	5	0	—
25	29°20	29°05	19°9	35°0	8°9	35°0	0°0	1°2	107	180	100	88	W 1	WNW 1	8	3	030	
26	28°94	29°05	42°1	45°0	32°0	46°6	1°0	0°8	246	280	92	94	S 2	SW 2	8	10	220	
27	29°25	29°05	29°16	34°1	40°6	32°4	45°3	0°9	2°7	178	199	90	79	W 0	S 3	0	10	295
28	29°20	29°05	34°6	44°8	31°8	45°1	0°7	0°9	186	276	94	93	E 1	W 2	5	10	066	
29	29°02	29°05	29°11	47°1	40°9	40°1	50°8	3°2	0°7	250	240	77	95	W 3	NW 1	7	10	260
30	29°03	28°85	43°8	52°2	38°0	52°8	1°1	1°2	261	358	92	92	W 1	SW 6	9	10	680	
31	28°91	29°10	42°5	41°7	39°5	52°9	1°4	1°8	241	226	89	87	W 3	W 3	6	7	068	
Mean	29°298	29°203	37°3	38°7	32°4	45°2	1°3	1°1	205	224	87°9	89°8	1°9	2°2	6°4	6°0	5°316	

MARGATE.—DECEMBER 1891.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 1° 24' E. Lat. 51° 24' N. Gravity Correction, +.017.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.							9 p.m.
1	ins.	ins.	43.5	43.1	36.4	46.8	0.7	0.5	288	267	95	96	SSW 3	E 3	7 10	ins.	Dull, with ☉	
2	29.83	29.62	43.5	42.8	41.4	51.0	1.8	2.2	302	220	87	83	SW 2	W 1	5 0	—		
3	29.72	29.78	48.5	55.0	38.4	55.0	0.7	0.8	323	409	95	94	SSW 4	SW 4	10 10	0.10	Stormy p.	
4	29.93	30.11	54.2	45.6	45.4	56.6	0.2	0.6	415	292	99	96	SW 3	SW 1	10 0	0.10		
5	30.07	29.96	53.1	54.3	45.6	56.0	0.1	0.8	401	399	99	95	SSW 4	WSW 4	10 10	0.30	Stormy day. ☉ at night.	
6	30.02	30.07	47.6	44.6	43.4	50.8	1.8	0.6	286	280	88	95	W 2	W 2	5 10	0.20	Fine day.	
7	29.56	29.36	49.4	46.0	42.4	50.8	0.4	2.0	343	264	97	86	S 4	SW 6	10 10	3.00	☉ r.a. Dull and stormy.	
8	30.00	29.85	41.0	46.0	39.4	48.5	2.0	0.7	216	294	84	95	W 2	W 2	0 3	0.30	☉ early a. ▲	
9	29.40	29.44	46.4	48.0	41.6	53.0	0.0	1.4	316	301	100	90	SSW 3	SW 4	10 10	0.40		
10	29.14	29.11	54.0	47.2	46.2	54.8	2.8	2.8	340	260	81	81	W 6	W 5	10 0	4.10	☉ in afternoon.	
11	29.50	29.53	43.1	37.3	35.6	48.8	2.6	1.4	224	195	80	88	WSW 6	W 3	0 0	—	(gale) in past n.	
12	30.06	30.06	34.8	49.2	35.4	49.8	0.8	0.3	186	343	92	98	Calm	WSW 6	0 10	0.90	☉ p.	
13	29.19	29.14	50.9	50.1	47.1	52.8	1.2	5.0	342	245	92	68	S 6	SW 5	10 10	2.20	☉ all day. Beautiful ☽	
14	29.61	29.60	46.0	38.7	38.4	50.8	1.0	0.7	287	221	93	94	W 3	W 2	10 0	—	☽.	
15	29.93	29.73	40.8	50.5	38.4	51.5	0.7	1.3	230	333	95	90	Calm	SW 3	5 10	0.90	Very dull, with ☼ ☽	
16	29.81	29.66	44.1	44.5	43.4	53.8	3.1	2.9	224	231	76	78	SW 3	NE 2	0 5	—	Sunny a. Dull afternoon.	
17	30.34	30.43	42.8	40.0	38.4	45.4	5.0	2.8	179	192	65	78	N 2	N 1	1 10	0.30	Pretty sunset.	
18	29.55	29.61	34.6	32.0	31.4	40.3	2.6	0.4	151	172	75	84	SE 1	SE 1	10 7	—	☽ a. Pretty sunset. ☽	
19	29.67	29.60	28.8	28.8	28.0	35.6	0.8	0.8	135	135	85	86	Calm	0	4 0	—	Fine sunset.	
20	29.59	29.56	33.0	34.6	24.0	36.0	2.2	1.6	143	169	76	84	SE 1	Calm	0 7	—	☼ p. Lovely sunset.	
21	29.58	29.58	30.7	30.0	27.6	36.0	1.8	1.8	118	120	72	72	SE 1	Calm	0 0	—	☼ a. Bright and sunny.	
22	29.58	29.51	26.6	32.6	23.0	37.8	1.4	0.6	100	172	70	73	Calm	0	7 6	—	☼ a. ☼☼☼ p.	
23	29.41	29.43	35.2	29.3	26.4	38.8	1.0	0.8	185	138	90	86	Calm	0	7 0	—	Fine day.	
24	29.15	29.01	27.8	26.3	24.0	32.2	0.8	0.2	127	135	84	96	Calm	0	10 10	—	Dull, with ☼☼☼	
25	29.92	29.91	31.0	37.2	22.0	38.2	0.2	0.2	169	218	96	98	Calm	0	10 10	0.60	☼ a.	
26	29.91	29.75	43.8	44.0	36.0	45.2	0.8	2.6	268	231	94	80	SW 2	SW 3	7 10	0.60	Fine day.	
27	29.83	29.80	41.3	37.0	34.0	45.2	1.6	1.8	226	186	88	85	SW 1	S 1	7 0	0.20	Fine day.	
28	29.77	29.79	40.0	40.0	36.0	44.8	1.0	1.0	226	226	92	92	W 2	S 1	10 10	0.90	Fine day.	
29	29.62	29.72	40.4	47.4	35.0	53.0	0.4	1.8	343	284	97	87	SW 3	W 2	10 10	0.30		
30	29.65	29.48	46.4	53.0	43.0	55.1	0.6	3.8	301	304	96	75	W 1	W 3	10 10	0.50		
31	29.44	29.59	52.1	41.7	40.6	53.6	1.7	1.8	344	226	88	87	SW 4	SW 3	10 0	1.70	Fine day.	
Mean	29.905	29.902	42.3	41.8	36.3	47.5	1.3	1.5	250	241	87.8	87.7	2.2	2.2	6.8	6.1	2.310	

SOUTHAMPTON.—DECEMBER 1891.

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.

1	29.74	29.47	47.8	50.0	36.4	50.7	1.8	0.9	288	337	87	94	SSE 4	SW 5.5	10	10	1.270	☉ a. ☉ p.
2	29.36	29.70	45.9	42.0	42.0	50.8	0.1	0.9	308	247	100	93	SW 0.5	SW 1	7	0	0.87	☉ n. Beautiful day.
3	29.67	29.77	52.7	53.7	42.0	54.2	0.1	0.1	395	410	99	99	SW 4	SW 5	10	10	2.20	☉ nearly all day. ☉ p.
4	29.96	30.10	53.0	49.6	47.3	54.8	0.2	0.5	397	342	99	97	SW 1	S 1	10	10	1.35	Dull and damp a. Beautiful p. ☉
5	30.08	29.95	53.4	53.6	49.1	54.9	0.3	0.5	401	398	98	97	SW 3.5	SW 4.5	10	10	1.98	☉ a. and p. ☉ p. [10p.
6	30.09	30.05	44.9	45.0	43.0	54.2	0.5	0.6	285	285	96	95	SW 0.5	Calm	0	6	3.05	Beautiful day throughout. ☉ n.
7	29.46	29.64	45.9	45.9	43.8	51.8	0.8	2.9	290	245	95	80	SW 4	NW 6	10	9	0.90	☉ (force 8) ☉ 7.30a. Squally, with
8	30.03	29.83	40.6	49.0	38.5	50.7	0.8	0.8	236	327	93	94	SW 2	SW 4	0	10	3.62	Beautiful day. ☉ ☉ till 3p.
9	29.46	29.43	46.1	50.6	45.8	51.2	0.7	0.4	296	359	95	97	WNW 2.5	SW 4.5	9	10	0.78	☉ n. Beautiful day. ☉ from 7p.
10	29.21	29.16	53.6	49.3	47.3	54.8	1.7	5.6	363	267	88	75	SW 7	SW 7	10	10	3.58	☉ till 4p. ☉ all day.
11	29.64	29.08	43.4	36.9	36.5	50.2	1.7	1.1	245	198	87	91	WSW 3.5	W 1	7	1	0.57	☉ ☉ showers 10a. Fine p. ☉
12	30.06	29.57	34.5	52.5	31.0	53.0	0.6	1.0	188	368	94	93	SE 1	SW 7.5	10	10	4.34	☉ a. ☉ p.
13	29.17	29.16	50.8	50.0	49.0	53.5	3.4	1.4	287	324	77	90	W 7	W 6	5	10	0.70	☉ ☉ n. ☉ showers all day.
14	29.78	29.04	45.7	43.0	42.8	51.2	2.8	1.2	245	251	80	90	NW 4	Calm	0	10	2.03	Beautiful day. ☉ n.
15	29.91	29.79	45.3	52.8	41.8	53.2	0.2	0.6	297	383	99	85	SE 1.5	SW 4.5	10	10	0.60	☉ showers till 9p.
16	29.92	30.14	47.7	45.9	43.9	53.4	2.3	2.1	244	263	93	86	WNW 3	NE 1.5	1	9	—	Beautifully fine and dry.
17	30.37	30.41	33.2	33.7	32.4	47.1	0.4	0.9	181	175	95	90	NE 0.5	NE 1	0	0	—	☉ a. Beautiful day. ☉ n.
18	29.51	29.55	37.1	32.8	31.6	40.2	1.8	1.6	186	153	84	82	ESE 2	ESE 3	10	10	—	Day raw and cold, but dry.
19	29.58	29.56	33.5	29.3	28.8	40.2	1.9	0.0	154	162	80	100	SSE 1	Calm	0	0	—	☉ a. Beautiful day. ☉ p.
20	29.58	29.58	28.2	27.8	26.7	36.1	0.0	0.1	154	149	100	98	E 0.5	N 0.5	2	0	—	☉ a. Beautiful day, but cold.
21	29.57	29.58	26.3	27.3	25.5	36.8	0.2	0.1	137	146	96	98	NE 1.5	NE 1	7	0	—	☉ a. Beautiful day, but cold.
22	29.59	29.51	25.0	28.4	23.9	38.4	0.1	0.6	131	138	97	89	NE 0.5	NE 1	7	0	—	☉ a. and p. Beautiful day, but cold.
23	29.37	29.24	26.7	26.3	25.5	36.6	0.4	0.0	133	143	92	100	NE 1	NE 0.5	1	0	—	☉ a. and p. Beautiful day, but cold.
24	30.15	30.05	22.3	23.0	20.8	31.5	0.0	0.0	120	123	100	100	NNW 0.5	N 1	6	0	0.03	☉ a. ☉ p. ☉ n.
25	29.95	29.93	31.5	40.6	21.3	42.8	0.7	0.8	159	236	90	93	NE 0.5	SW 0.5	10	0	0.05	Dull, with ☉ ☉ 5p.—7p.
26	29.86	29.84	46.9	47.7	40.1	49.2	1.3	1.3	290	299	91	91	SSW 4	SW 5.5	9	10	3.50	Beautiful day till 2p., then ☉.
27	29.86	29.74	42.2	42.2	36.2	49.2	0.6	1.5	212	237	95	89	SW 1	SW 2	0	0	2.98	☉ a. Beautiful day.
28	29.81	29.82	39.1	43.7	38.3	46.1	1.1	0.7	217	260	91	94	W 2	S 1	5	10	0.40	☉ n. and early a. Beautiful day.
29	29.67	29.72	50.6	49.2	43.7	52.7	1.0	2.1	343	298	93	86	SW 3.5	W 1	10	10	0.37	Fine and pleasant.
30	29.65	29.56	50.8	52.3	47.8	53.5	0.7	1.1	353	362	95	92	SW 3	SW 4	10	10	0.81	Dull, damp, and mild a. ☉ p.
31	29.51	29.70	52.5	40.9	40.6	53.4	1.1	1.3	365	229	92	90	WNW 3	W 1	10	0	0.34	☉ a. ☉ shower 3.30p. ☉ n.
Mean	29.921	29.915	41.6	42.4	37.5	48.3	0.9	1.0	255	262	92.3	92.2	2.4	2.6	6.5	5.8	4.975	

BABBACOMBE.—DECEMBER 1891.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 31' W. Lat. 50° 29' N. Gravity Correction, +.013.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	48.9	49.9	46.4	51.3	0.4	0.4	336	349	97	97	S 6	SW 3	10	10	ins.	Dull and gloomy, with (gale) p.
2	29.39	29.17	48.9	49.9	46.4	51.3	0.4	0.4	336	349	97	97	W 3	SSW 3	4	4	750	⊕ ⁰ ga. ☼ ⁰ (mist) a. and p. ☼ p.
3	29.42	29.47	52.9	54.3	43.6	54.7	0.1	0.3	399	413	99	98	SW 5	SW 7	10	10	130	Dull all day, with ☼ ⁰ . Squally ☼ p.
4	29.72	29.82	49.9	49.6	46.1	54.6	0.3	0.1	352	353	98	99	WSW 3	SSW 1	8	10	100	☼ n. and a. ☼ noon. ☼ p.
5	29.79	29.69	53.2	52.7	49.3	54.3	0.1	0.3	403	389	99	98	SW 5	SW 5	10	10	100	Squally ☼ (gale) p. ☼ ⁰ (mist) p.
6	29.87	29.75	44.8	46.8	41.8	52.8	1.1	1.3	271	288	92	91	SW 2	SSE 3	7	9	460	☼ ⁰ (mist) n. and p. ☼ ⁰ 11a. & 3p.
7	29.15	29.15	47.7	44.0	43.2	52.0	1.8	3.1	287	222	87	76	WSW 8	WNW 5	8	1	250	☼ ² 5a. ☼ ² (46 miles 10a. - 11a.)
8	29.82	29.53	43.9	48.0	40.3	50.5	1.3	0.5	258	323	99	97	WSW 3	SSW 5	6	10	580	☼ n. ☼ ⁰ (mist) a. ☼ ⁰ noon. ☼
9	29.32	29.17	44.0	50.5	43.2	50.7	2.1	0.7	251	349	85	95	WNW 3	WSW 8	1	10	060	☼ n. Dull, with squally ☼ p.
10	29.08	29.02	52.0	45.7	45.4	53.4	1.1	2.0	358	261	92	86	WSW 9	WSW 7	10	8	310	Squally ☼ ² a. ☼ showers.
11	29.46	29.78	42.4	35.9	35.9	47.8	1.9	1.6	231	180	86	86	W 5	WSW 1	9	3	050	☼ (gale) a. ☼ 6a. 11a. ☼ ² p.
12	29.72	29.24	45.4	50.4	33.4	53.0	2.6	0.7	245	348	82	95	SSE 4	SW 9	10	10	670	☼ showers. ☼ ⁰ 9p. Squally ☼ (gale) p.
13	29.82	29.06	49.2	48.6	48.0	51.6	3.6	1.4	264	307	76	90	WSW 9	W 6	5	10	190	☼ ² 11a. ☼ 6a. ☼ ⁰ noon.
14	29.63	29.66	45.8	44.5	43.7	48.9	4.0	0.5	222	281	73	96	WNW 5	ESE 1	2	10	340	☼ ⁰ noon. ☼ ⁰ p.
15	29.69	29.59	52.8	52.4	44.2	54.0	0.6	0.4	382	382	95	97	WSW 3	WSW 6	10	10	050	Squally ☼ (gale) ☼ in evening.
16	29.76	29.91	45.3	46.0	42.9	52.7	3.0	1.7	237	271	78	88	W 3	NE 2	2	10	—	☼ ⁰ (mist) p.
17	30.08	30.13	44.8	44.6	43.5	46.9	3.0	4.2	231	208	78	70	ESE 3	SE 3	8	10	—	Dull till 8p.
18	29.21	29.25	42.6	39.7	39.2	44.7	3.8	3.7	197	175	73	71	SE 3	ESE 3	10	8	—	☼ 1.30a. ☼ ⁰ a. Fine and sunny.
19	29.28	29.25	37.6	37.9	35.1	43.1	2.5	4.4	179	154	79	68	SE 3	ESE 2	3	3	—	☼ a. Fine and sunny. ☼ ⁰ (mist) p.
20	29.27	29.27	41.8	37.0	45.4	3.9	1.9	188	207	72	85	ESE 2	E 3	0	2	—	☼ n. ☼ ⁰ (mist) a.	
21	29.27	29.28	34.5	40.9	33.0	41.2	0.8	2.3	184	209	92	82	ENE 1	E 3	3	10	2	☼ ⁰ n. and p. ☼ ⁰ (mist) all day.
22	29.29	29.30	39.9	38.5	37.7	41.9	2.1	2.4	180	198	82	81	SE 2	E 2	7	2	—	☼ ⁰ (mist) all day.
23	30.09	29.95	35.3	36.9	35.0	42.0	1.0	1.0	186	199	91	91	ENE 1	NE 1	9	10	—	☼ ⁰ (mist) a. ☼ p.
24	29.87	29.79	36.9	29.7	29.2	37.7	0.9	0.0	201	165	92	100	NE 1	NNE 1	10	10	—	☼ ⁰ till 10p. ☼ ⁰ p.
25	29.67	29.66	37.9	39.8	29.4	39.9	0.1	0.6	226	232	99	95	NE 2	SW 2	10	10	160	☼ ² 11a. ☼ ⁰ 8p. ☼ (gale) p. [☼ 11p.
26	29.50	29.32	48.8	46.9	38.8	49.2	1.1	0.1	317	319	92	99	S 6	WSW 3	10	10	590	☼ ⁰ (mist) a. Squally ☼ (gale) ☼ ²
27	29.62	29.54	36.0	43.9	35.4	48.4	1.0	1.5	192	253	91	88	WSW 1	SSW 6	1	3	270	☼ ⁰ (mist) a. ☼ ⁰ showers.
28	29.58	29.55	37.8	41.1	37.2	48.1	0.8	0.8	211	316	93	94	WSW 2	SW 4	2	10	060	☼ ⁰ (mist) a. ☼ ⁰ showers.
29	29.46	29.52	50.3	49.4	48.0	52.6	0.3	0.3	357	345	98	98	W 5	WSW 3	9	10	380	☼ (gale) midday. ☼ ⁰ (mist) ☼ ⁰ .
30	29.41	29.39	51.1	51.8	48.1	53.5	0.2	0.4	370	374	98	97	WSW 5	WSW 6	9	10	080	☼ (gale) a. ☼ showers. ☼ p.
31	29.52	29.52	51.0	42.0	42.0	58.1	0.6	1.4	358	237	96	89	WSW 5	WSW 3	10	0	020	
Mean	29.667	29.661	44.8	45.0	40.5	49.1	1.5	1.3	270	276	88.7	89.9	3.8	3.8	7.1	7.6	5.210	

ARMAGH.—DECEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	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.	40.8	38.5	37.9	50.2	1.0	0.7	in.	in.	93	94	SE 3	SSW 2	10 0	ins.	
2	29.05	29.07	40.8	38.5	37.9	50.2	1.0	0.7	206	210	93	94	SE 3	SSW 2	10 0	1.190	
3	29.09	29.17	40.0	44.6	43.6	45.0	1.5	1.9	217	252	88	86	S 1	S 3	0 10	1.185	
4	28.92	29.29	54.6	47.1	43.7	55.7	3.7	1.6	327	286	77	89	SSW 4	SSW 4	10 3	—	
5	29.53	29.56	48.0	47.8	41.3	51.1	1.7	2.0	202	283	88	86	SSW 4	S 4	10 9	4.60	
6	29.50	29.51	49.0	44.5	44.0	50.5	1.1	0.9	320	273	92	93	S 2	SW 2	10 10	3.38	
7	29.71	29.70	41.8	40.5	39.2	45.4	1.3	0.7	238	237	90	94	SSW 3	S 1	4 10	5.50	
8	29.74	29.60	39.5	37.5	36.0	43.5	0.7	0.7	228	211	94	94	NE 4	WSW 1	1 4	0.16	
9	29.65	29.19	42.0	47.0	37.1	47.5	0.8	1.1	249	296	94	92	SSW 3	S 3	8 10	0.25	
10	29.13	28.63	41.8	51.6	37.5	51.8	1.4	0.1	236	380	89	100	SSW 3	SSW 6	2 10	5.19	
11	28.62	28.58	42.0	36.4	36.4	51.7	1.7	1.7	231	184	87	85	SSW 4	WSW 6	8 10	3.80	
12	29.35	29.76	35.4	34.9	32.9	42.0	0.6	2.3	196	159	95	78	WSW 1	WSW 2	10 0	0.26	
13	29.61	28.98	34.0	45.6	31.4	46.0	0.1	0.1	194	304	99	100	SE 2	SE 3	10 10	9.50	
14	28.77	29.08	42.0	41.4	37.4	47.1	0.2	0.4	263	252	98	97	S 1	WSW 1	10 10	0.42	
15	29.64	29.67	39.0	37.8	37.2	47.0	1.2	1.0	214	208	90	92	WSW 2	SSW 1	2 10	0.68	
16	29.40	29.43	45.8	44.8	36.2	51.5	0.2	2.0	303	252	98	85	SSE 3	WSW 3	10 3	1.28	
17	29.71	30.02	46.1	42.1	40.6	47.9	2.0	1.5	266	236	86	88	W 3	ESE 1	10 2	0.05	
18	30.08	30.11	44.3	45.5	37.0	47.1	1.2	2.0	263	259	91	86	SSE 3	SSE 2	7 10	0.20	
19	30.15	30.16	45.3	44.5	43.8	47.2	1.5	0.9	268	273	89	93	S 3	S 3	10 10	—	
20	30.23	30.20	40.8	42.5	38.0	45.2	2.3	2.5	209	220	82	81	S 3	S 3	10 10	—	
21	30.30	30.34	37.1	37.1	33.9	42.8	0.7	0.4	207	213	94	96	S 3	S 2	0 0	—	
22	30.36	30.34	29.9	20.6	20.5	37.3	0.9	0.2	142	104	85	94	S 0.5	SSW 0.5	10 10	—	
23	30.32	30.34	34.4	39.8	19.7	40.0	1.2	2.0	175	206	87	84	S 1	S 2	0 10	—	
24	30.17	30.07	38.6	33.2	30.6	43.5	1.8	1.5	199	159	85	83	S 2	S 1	3 4	—	
25	29.99	29.87	34.9	29.4	29.0	37.8	1.4	0.5	175	149	87	92	S 1	SSW 0.5	4 8	—	
26	29.67	29.47	36.4	40.2	27.7	40.7	1.8	1.6	182	216	84	88	SSE 3	SSE 4	10 9	0.55	
27	29.16	29.13	48.6	42.0	39.4	49.5	0.7	1.4	325	237	95	89	SSE 4	SSW 3	10 10	1.04	
28	29.36	29.34	36.9	35.8	33.7	43.0	2.0	0.6	182	199	84	95	S 3	W 1	0 10	1.10	
29	29.47	29.08	35.0	48.6	31.7	49.0	0.9	0.6	186	327	91	66	S 3	SSW 6	2 10	1.98	
30	29.21	29.30	41.0	39.1	37.4	51.1	1.3	1.5	231	209	90	88	SSW 4	SW 3	9 10	0.55	
31	29.26	29.08	41.6	42.0	38.0	43.5	0.8	0.2	247	265	94	98	SSW 2	SW 2	10 10	0.06	
Mean	29.543	29.529	41.0	40.7	35.5	46.3	1.2	1.1	234	235	89.9	90.7	2.6	2.5	6.7	7.7	4.687

MARKREE CASTLE (SLIGO).—DECEMBER 1891.

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.

1	29.02	29.11	46.0	34.5	32.8	47.6	0.7	0.4	294	102	95	96	SSE 3	SE 0.5	10	3	1.10
2	29.16	29.14	38.3	45.2	34.1	47.0	0.3	1.5	235	266	98	89	Calm 0	SSE 3	8	10	2.50
3	28.92	29.42	52.0	47.0	43.1	54.1	3.3	2.4	303	266	78	83	SW 8	WSW 1	9	4	0.90
4	29.60	29.56	46.4	40.0	40.0	51.2	1.4	1.0	282	322	90	93	Calm 0	S 5	5	10	4.40
5	29.57	29.62	48.4	49.5	39.9	49.4	0.4	0.8	330	235	97	94	S 1	SSW 1	10	4	0.60
6	29.81	29.74	38.2	38.4	35.5	45.3	0.5	0.3	220	226	96	98	SE 1	SE 0.5	7	10	0.10
7	29.35	29.70	41.7	41.2	38.0	45.6	1.4	1.5	235	227	89	89	NNW 2	S 1	10	9	0.10
8	29.71	29.26	44.8	45.9	37.6	47.3	1.2	1.0	269	288	91	94	S 1	Calm 0	10	10	1.40
9	29.21	28.73	42.4	49.1	39.5	52.2	1.4	0.0	241	312	89	100	SW 1	NNW 2	5	10	6.00
10	28.72	28.95	40.3	39.1	36.5	46.3	1.1	1.7	227	206	92	86	S 1	WNW 6	10	10	5.90
11	29.47	29.87	40.0	34.9	34.0	42.4	3.0	1.2	189	179	76	89	NNW 2	Calm 0	9	6	3.50
12	29.57	29.03	33.0	43.3	29.4	45.9	0.1	0.3	186	273	99	98	SE 5	NW 0.5	10	12	2.10
13	28.83	29.24	42.3	45.8	40.2	46.0	0.5	1.9	260	266	96	86	SE 1	NNW 3	10	10	1.80
14	29.74	29.73	35.8	38.1	35.1	46.0	0.8	0.4	195	221	93	96	SW 1	SE 1	10	10	1.50
15	29.54	29.58	45.0	45.5	37.1	51.3	0.2	2.5	294	248	98	82	SSE 0.5	WNW 5	10	4	0.80
16	29.89	30.05	46.0	35.7	34.2	48.9	2.4	0.4	257	202	83	97	NW 2	SE 0.5	7	3	0.10
17	30.08	30.10	39.8	45.1	34.7	46.1	0.8	1.1	228	274	94	91	SE 2	SSE 4	10	10	—
18	29.17	29.18	45.1	40.8	43.9	45.7	1.0	1.1	276	294	92	92	SSE 3	S 3	10	10	0.10
19	29.25	29.21	40.8	43.2	39.3	46.8	1.9	2.2	216	232	85	83	SSE 2	SSE 3	10	10	—
20	29.33	29.39	36.9	34.2	33.3	43.2	1.0	0.8	200	194	92	98	SSE 2	SE 0.5	7	3	—
21	29.42	29.38	32.3	33.3	26.3	35.0	0.2	0.3	179	184	98	97	SE 1	ESE 1	10	4	0.20
22	29.32	29.32	33.7	39.1	31.4	40.7	0.4	1.3	186	213	95	89	SSE 4	SSE 1	4	9	—
23	29.23	29.12	36.1	38.4	33.6	42.3	0.8	0.8	198	216	93	93	SE 1	SE 1	8	10	—
24	29.05	29.03	30.8	33.5	29.5	38.9	0.2	0.7	167	177	97	92	SE 0.5	SE 1	10	10	—
25	29.72	29.44	31.8	41.2	27.1	41.3	0.8	1.2	160	233	90	91	SE 1	SSE 4	10	10	0.50
26	29.11	29.23	49.0	38.5	37.6	49.3	1.1	0.6	320	221	92	95	SSE 4	SSW 0.5	10	10	2.10
27	29.37	29.39	37.1	34.3	32.6	39.2	0.8	0.4	205	190	93	96	S 4	ESE 0.5	10	10	4.80
28	29.52	29.15	33.2	50.0	30.2	30.0	0.3	0.7	184	342	97	95	Calm 0	SW 3	10	10	2.90
29	29.31	29.41	41.4	39.6	38.0	51.3	1.4	1.4	231	215	89	89	W 2	SW 3	10	10	1.70
30	29.34	29.21	41.6	42.9	38.2	42.9	0.8	0.5	247	265	94	96	SW 1	SW 1	10	10	0.50
31	29.29	29.59	39.8	40.0	35.0	45.7	1.7	1.1	211	224	87	91	SW 2	W 3	7	10	3.90
Mean	29.600	29.604	40.3	41.0	35.4	46.1	1.0	1.0	233	239	91.9	92.2	1.9	1.9	9.0	8.4	4.950

h. and till noon.
p.

Overcast all day.

$\nabla^2 \Delta$ 3p. till midt.
 Δ showers in past n.
* 9a.

Overcast all day.

Overcast all day.

Overcast all day.

$\nabla^2 \Delta$ a.

Overcast all day.

$\nabla^2 \Delta$ a.

Overcast all day.

Overcast all day.

Δ showers.

DUBLIN (PHENIX PARK).—DECEMBER 1891.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	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.	40.8	35.4	34.4	52.8	3.2	1.1	in.	in.	79	90	S	1	Calm	0	8	0	ins.	
2	29.21	29.17	40.8	35.4	34.4	52.8	3.2	1.1	280	186	79	90	S	1	Calm	0	8	0	0.40	
3	10	30	41.2	47.0	31.1	48.8	1.7	3.6	223	241	87	75	SW	1	S	1	1	10	0.50	
4	17	43	50.1	48.9	46.0	56.3	3.1	3.0	304	276	80	80	SW	6	SW	2	8	2	—	
5	65	71	48.2	49.5	38.2	53.0	2.7	3.2	272	277	82	78	SW	2	SW	3	1	1	0.10	
6	63	61	51.8	44.8	43.8	52.8	1.8	1.9	338	254	87	86	SW	5	W	1	8	4	3.30	
7	84	79	42.6	43.3	40.2	48.2	2.0	2.1	231	235	85	84	SW	2	Calm	0	1	10	6.70	
8	01	71	41.3	39.8	37.1	45.3	1.2	1.2	234	221	91	91	NNE	4	W	1	10	1	1.65	
9	79	33	43.0	49.4	38.6	49.8	1.3	2.0	249	303	90	87	SW	1	SW	3	2	9	0.10	
10	25	28.86	41.5	51.8	39.8	52.2	2.0	1.3	221	351	85	91	WSW	2	SW	4	1	10	6.10	
11	28.78	28.82	42.4	39.5	38.4	52.4	1.5	2.5	239	194	83	80	SW	2	W	6	6	6	1.80	
12	29.45	29.87	35.7	34.1	32.9	40.3	1.8	1.7	177	163	85	82	W	2	W	1	2	0	0.30	
13	29.69	13	38.6	47.7	31.0	52.2	1.0	1.2	197	302	91	92	SE	2	SW	2	10	9	5.50	
14	28.84	18	43.1	43.9	42.6	48.0	0.7	1.1	265	203	94	91	Calm	0	W	1	9	9	0.25	
15	29.75	76	37.3	39.6	36.6	44.9	1.2	1.3	199	217	90	89	W	1	Calm	0	2	10	1.50	
16	61	29.54	50.0	46.6	38.3	53.7	0.9	2.9	337	352	94	80	SW	1	W	3	8	7	0.60	
17	29.82	30.06	44.4	34.5	32.9	47.0	3.0	1.0	228	180	78	90	W	2	Calm	0	4	7	—	
18	30.14	17	37.8	40.3	33.6	47.2	1.2	1.1	204	227	90	92	Calm	0	Calm	0	1	8	—	
19	24	27	44.5	44.2	36.6	47.5	1.8	3.1	253	224	87	77	Calm	0	SW	3	7	8	—	
20	32	30	32.5	34.5	31.5	46.0	1.0	1.4	163	170	83	84	Calm	0	Calm	0	1	1	—	
21	38	41	28.4	25.1	24.0	47.5	0.6	0.4	138	121	89	90	Calm	0	Calm	0	1	1	—	
22	44	42	23.9	23.2	20.3	40.9	0.4	0.3	114	113	89	92	Calm	0	Calm	0	1	1	—	
23	40	33	22.7	33.2	18.4	45.8	0.5	1.1	104	167	86	88	Calm	0	Calm	0	1	2	—	
24	27	30.15	35.6	27.4	24.8	46.8	1.1	0.5	189	134	90	90	Calm	0	Calm	0	7	2	—	
25	30.06	29.94	25.9	23.5	22.1	40.8	0.5	0.4	123	112	88	89	Calm	0	Calm	0	5	2	—	
26	29.77	60	38.2	42.5	23.0	45.9	2.1	2.9	190	213	83	78	SSW	1	SSW	1	9	2	0.10	
27	30	35	49.9	42.7	42.0	53.7	3.3	1.9	279	234	78	86	S	2	SW	1	8	4	0.90	
28	51	44	39.2	39.6	34.7	46.0	3.1	1.6	181	211	76	87	SW	2	Calm	0	1	5	0.50	
29	56	30	36.5	49.4	33.8	49.8	1.6	1.9	186	305	86	88	SW	1	SW	4	1	6	1.20	
30	35	45	43.7	42.3	40.9	51.1	3.4	2.4	214	220	75	81	WSW	2	W	2	2	9	0.35	
31	40	21	43.9	46.3	41.3	46.9	1.2	1.1	260	288	91	92	Calm	0	W	1	10	10	0.30	
31	29.32	29.56	39.3	39.0	38.3	46.5	1.7	1.6	207	207	87	87	W	2	W	2	1	0	0.20	
Mean	29.646	29.646	40.2	40.3	34.4	48.3	1.7	1.7	221	221	86.1	86.1	1.4		1.4		4.4	5.0	3.505	

Part II.—Monthly Summaries from Stations of the Second Order, 1891.

ON pages 132, 133, will be found the list of stations, the returns from which are published as Monthly Means and Summaries on the Form B., adopted for International use by the Meteorological Congress at Rome in 1879, but which has been modified by the introduction of columns showing the "Depression of Wet-bulb."

As in previous years, the list includes the stations, observations at which are given in the preceding pages *in extenso* on Form A., together with fifty others, the results from which are given only in the form of Monthly Summaries. Of these additional stations, 14 are in connexion with the Scottish Meteorological Society (distinguished by "S" in the list), and 11 belong to the Royal Meteorological Society (distinguished by "M"). The list differs from that for 1890, by the addition of Rounton (Yorks), Plymouth, Arley Cottage (Mount Nugent, Ireland); and the re-insertion of St. Leonards, where the evening observations are now resumed.

The hours of observation were, as before, 9 a.m. and 9 p.m. local time at all the stations, except those marked S, where Greenwich time was kept, and excepting also the five observatories.

The minimum and maximum thermometers have been read and set at 9 p.m. each day, and the readings have been entered to the day on which they were made.

The Mean Pressure (which, as in the volumes for 1886-90, is given at station level,—not reduced to the mean sea level as in previous years, see page 2) has been obtained by adding together the means for 9 a.m. and 9 p.m., and dividing the result by 2. Similarly the Mean Temperature is based upon the 9 a.m. and 9 p.m. readings of the dry-bulb thermometer, without taking into account the maxima and minima, the means of which are, however, given for each month.

The corrections required to reduce the barometer readings to the Gravity of latitude of 45° are inserted at the head of each Table.

The monthly Vapour Tension and Relative Humidity are in most cases the averages of the daily values. For some stations, however, the monthly averages of the dry-bulb and wet-bulb temperatures have been used for obtaining these values, and in these cases the per-centages of the humidity have been given in whole numbers instead of to the first place of decimals. The mean "Depression of Wet-bulb" is given for all the stations. The hygrometrical tables employed are Glaisher's, 5th Edition, London, 1869.

In some earlier volumes the decision of the Vienna Congress that the days of precipitation, irrespective of amount, should be counted as the number of days of rain, has been literally observed; but since the common practice of British Meteorologists has been to take .01 inch (.005 inch in those cases where the rainfall was observed to thousandths of an inch) as the minimum for a rainy day, and as, moreover, many observers do not record closer than to hundredths of an inch, it has been deemed desirable to adopt this as the lower limit, that the results as here given may be directly comparable with each other and with similar British publications. In this volume, therefore, as in that for 1881 and subsequent years, a day of rain must be understood

as one on which .01 inch (or .005 inch, as explained above) of rain was registered. As in previous years, no regard is had to the form of the precipitation, those days on which snow, hail, &c. fell being all included in the number of days of rain. At Wolfelee there is some uncertainty as to the exact method followed in this year with regard to the daily entry of snow-fall, and it would appear as if in certain cases the snow had not been melted and measured each day. The days of rainfall at this station for the winter months must therefore be accepted with some reserve.

In counting days of thunderstorm those days are included on which thunder was recorded, even though no lightning was seen; those on which lightning was seen, but no thunder heard, have not been counted.

The days of clear sky are those days when the mean of the cloud amounts at 9 a.m. and 9 p.m. was less than 2; when the mean was greater than 8, the day has been counted as overcast.

The days of gale are those days when force 7 or upwards (Beaufort's scale or its equivalent velocity of 37 miles per hour [Factor 3]) was recorded at any time during the day.

In preparing the Summary of Wind-direction, the observations under intermediate points NNE., ENE., &c. have been alternately thrown forward and backward, while those under the points S by E., SE by E., &c., have been taken as S., SE., &c. But it must be observed that for some of the Scottish Society's stations a slightly different plan has been followed, and directions between and including ENE. to ESE. have been counted as E., SSE. to SSW. as S., and so on.

The extremes of the minimum temperature, maximum temperature, and rainfall are as before printed in **Egyptian type**.

Stations which are in connexion with the Royal Meteorological Society and the Scottish Meteorological Society are distinguished by the prefix of "M" and "S" respectively. The returns from these stations are published here under an arrangement which will be found detailed in the Annual Reports of the Meteorological Office.

On pages 182-183 is given, in Part III., the Annual Summary, showing at one opening the mean values and totals for the year of the various elements at all the stations, as well as the extreme temperatures and the maximum rainfall. And on page 184 will be found, as Part IV., a table giving the number of hours of bright Sunshine registered at various stations.

As stated on page 2 the heights given in previous volumes (up to and including 1885) as those of the Irish stations above mean sea level, are in reality the heights of those stations above the datum level of the Irish Ordnance Survey, which is mean low-water mark, and which is 7 feet lower than the ordnance datum for Great Britain. In the present volume the heights of all the stations are referred to the mean sea level.

As previously mentioned, returns from the observatories or stations of the First Order in connexion with the Meteorological Office are included in this publication. These stations are Aberdeen, Fort William, Kew, Falmouth, and Valencia. The tables given are based on observations at 9 a.m. and 9 p.m., Greenwich mean time, each day, except for cloud amount which is for 10 a.m. and 10 p.m., and for rainfall which was measured each morning at about 10 o'clock.

Stations.	Observers.
Stenness and Deerness (Orkney) -	M. Spence.
Laing -	John Young.
Dunrobin Castle -	D. Melville (for the Duke of Sutherland, K.G.).
Gordon Castle -	J. Webster (for the Duke of Richmond and Gordon, K.G.).
Glencarron -	D. D. Munro (for Lord McLaren).
Aberdeen -	Prof. C. Niven, M.A., F.R.S.
Fort Augustus -	Rev. E. G. Cody and Rev. A. Weld Blundell (The Monastery).
Braemar -	James Aitken, J.P.
Fort William -	R. T. Omond, F.R.S.E. (for Directors Ben Nevis Observatory).
Lednathie -	William Morrison (for Stormonth Darling).
Laudale (Argyleshire) -	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
Dundee -	The late W. Ross McKelvie (The Cemeteries).
Ochertyre -	George Croucher (for Sir Patrick Keith Murray, Bart.).
Calton Mor -	J. Russell (for John Malcolm of Poltalloch, M.P.).
Edinburgh -	R. C. Mossman, F.R.S.E., F.R.Met.Soc.
Glasgow -	The late Prof. R. Grant, M.A., LL.D., F.R.S.
Rosewell -	R. B. Mitchell, M.D.
Rothsay (Isle of Bute) -	James Kay.
Marchmont -	Peter Loney (for Sir Hugh P. Campbell, Bart.).
Ladylaw (Hawick) -	Wm. R. Wilson.
Wolfelee -	William Cockburn (for Lady Elliott).
Pinmore (Ayrshire) -	Peter Donald (for Captain Hamilton).
Glenlee -	W. Melville (for George Maxwell).
Cargen -	The late P. Dudgeon, F.R.S.E., and Alex. Peacock.
Durham -	H. J. Carpenter, F.R.A.S.
Newton Reigny -	T. G. Benn, F.R.Met.Soc.
Rounton (Yorkshire) -	Sir I. Lowthian Bell, F.R.S., F.R.Met.Soc.
Aysgarth (Yorkshire) -	Rev. Fenwick W. Stow, M.A., F.R.Met.Soc.
Scarborough -	W. Robinson.
Cronkbourne (Douglas), Isle of Man -	A. W. Moore, M.A., J.P., F.R.Met.Soc.
York -	H. M. Platnauer, B.Sc., F.G.S. (for the Yorkshire Phil. Soc.).
Stonyhurst College -	Rev. W. Sidgreaves, S.J.
Wakefield -	H. Clarke, L.R.C.P., F.S.S., F.R.Met.Soc.
Prestwich -	T. R. H. Clunn, M.D., F.R.Met.Soc.
Liverpool -	The late John Hartnup, F.R.A.S.
Llandudno -	J. Nicol, M.D., J.P., F.R.Met.Soc.
Buxton -	W. H. Beek.
Cheadle -	J. C. Philips, J.P.
Hillington (Norfolk) -	Rev. H. E. B. Ffolkes, M.A., F.R.Met.Soc.
Uppingham -	Rev. G. H. Mullins, M.A., F.R.Met.Soc.
Churchstoke (Montgomeryshire) -	P. Wright, F.C.S., F.R.Met.Soc.
Geldeston (Beccles) -	E. T. Dowson, F.R.Met.Soc.
Bennington (Herts) -	Rev. J. D. Parker, LL.D., F.R.Met.Soc.
Cheltenham -	R. Tyrer, B.A., F.R.Met.Soc.
St. David's, Pembroke -	W. P. Propert, M.A., LL.D., F.G.S., F.R.Met.Soc.
Carmarthen -	G. J. Harder, M.D.
Berkhamsted (Herts) -	E. Mawley, F.R.H.S., F.R.Met.Soc.
Kew -	The late G. M. Whipple, B.Sc., F.R.A.S. (for the Kew Committee).
Margate -	J. Stokes, F.R.Met.Soc.
Southampton (Ordnance Survey Office) -	J. T. Cook (for the Director-General of Survey).
St. Leonards -	H. Colborne, M.R.C.S.

Stations.	Observers.
Eastbourne -	R. Sheward, F.R.Met.Soc.
Parkstone (Bournemouth) -	R. Hawkesworth Barnes, B.A., F.R.Met.Soc.
Rousdon -	C. E. Peek, M.A., J.P., F.R.A.S., F.R.Met.Soc.
Dartmoor -	F. W. S. Stone, M.B.
Babbacombe (Torquay) -	E. E. Glyde, F.R.Met.Soc.
Plymouth -	H. N. Dickson, F.R.S.E.
Falmouth -	E. Kitto, F.R.Met.Soc. (for the Royal Cornwall Polytechnic Society).
Londonderry -	J. Conroy, F.R.Met.Soc.
Lissan (Co. Tyrone) -	Sir Nathaniel Staples, Bart.
Armagh Observatory -	J. L. E. Dreyer, Ph.D., F.R.A.S.
Brookeborough (Colebrooke Park) -	W. Ferguson (for Sir Victor Brooke, Bart., F.L.S.).
Markree Castle (Co. Sligo) -	A. Marth, F.R.A.S. (for Colonel Cooper, F.R.A.S.).
Arley Cottage (Mount Nugent) -	Major Somerset H. Maxwell, F.R.A.S.
Edgeworthstown -	J. M. Wilson, M.A., J.P.
Glasnevin (Botanic Gardens) -	F. W. Moore, M.R.I.A.
Dublin (O.S.O. Phoenix Park) -	Corpl. Stone (for Lt.-Col. Kirkwood, R.E.).
Dublin (City) -	J. W. Moore, M.D., F.R.Met.Soc.
Parsonstown (Birr Castle) -	E. Haines (for the Earl of Rosse, F.R.S., K.P.).
Killarney -	The Ven. Archdeacon Wynne, M.A., F.R.Met.Soc.
Valencia -	J. E. Cullum, F.R.Met.Soc. (for the Meteorological Council).

NOTE.—In the above list, as in that on page 1, the stations are arranged in order of latitude, beginning with the most northerly, but starting afresh for the Irish stations.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

STENNESS AND DEERNESS

Stenness, Long. 3° 13' W. Lat. 58° 59' N. Height above Mean Sea Level, 124 feet. Gravity Correction, + .036
 Deerness, " 2° 45' W. " 58° 56' N. " 169 feet. " + .036

1891.		Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
			9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
						Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins.	29.722	38.2	38.0	38.1	34.0	41.8	27.0	21,22,23	49.8	11,12,13	1.6	1.7	1.7	in.	in.	in.	%	%	%	
February		30.040	43.3	42.7	43.0	38.5	47.6	27.0	13th	55.8	19th	2.3	2.2	2.3	2.33	2.31	2.32	85.4	84.9	85.2	
March		29.523	—	—	—	35.0	42.5	—	—	—	—	—	—	—	—	—	—	82.8	84.0	83.4	
April		30.861	42.8	39.6	41.2	36.0	45.5	31.0	29th	49.8	20,28,30	3.4	2.2	2.8	2.08	2.02	2.05	75.2	82.9	79.1	
May		30.613	45.5	43.2	44.4	39.7	48.7	30.0	17th	60.8	12th	2.4	1.9	2.2	2.52	2.41	2.47	82.8	85.8	84.3	
June		30.911	50.5	48.3	49.4	45.3	53.5	40.0	11th	64.8	25th	2.2	1.4	1.8	3.18	3.08	3.13	85.6	90.1	87.9	
July		30.649	53.9	52.0	53.0	49.4	57.2	46.0	9,28,31	63.8	1,21	1.4	0.9	1.2	3.77	3.64	3.71	90.7	93.6	92.2	
August		30.463	52.9	51.4	52.2	48.6	55.9	44.0	29th	58.5	12th	1.5	1.0	1.3	3.61	3.54	3.58	89.7	92.8	91.3	
September		30.532	53.2	51.6	52.4	48.5	56.0	44.5	22nd	63.8	12th	2.2	1.4	1.8	3.49	3.47	3.48	85.5	90.3	87.9	
October		30.394	49.2	48.2	48.7	44.8	51.9	40.0	18,19,20	58.3	3rd	2.5	2.1	2.3	2.90	2.89	2.90	83.0	85.3	84.2	
November		30.531	43.6	43.7	43.7	39.9	46.3	34.2	26th	51.0	1st	2.3	1.9	2.1	2.36	2.44	2.40	82.9	85.6	84.3	
December		29.400	40.5	40.2	40.4	36.5	43.5	31.0	12th	49.8	3rd	1.8	2.0	1.9	2.17	2.11	2.14	85.3	83.8	84.6	
Year		29.637	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

LAIRG

Long. 4° 22' W. Lat. 58° 1' N. Height above Mean Sea Level, 335 feet. Gravity Correction, + .033.

1891.	ins.	9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.526	33.9	33.5	33.7	27.6	39.9	9.0	7th	52.8	12th	1.2	1.1	1.2	in.	in.	in.	86	88	87			
February	30.844	39.8	39.1	39.5	33.6	50.9	22.0	21st	63.8	24th	1.6	1.9	1.8	2.13	2.02	2.08	88	85	87			
March	30.355	32.7	30.1	31.4	25.1	41.3	1.0	12th	49.0	31st	1.2	1.1	1.2	1.62	1.39	1.51	86	82	84			
April	30.650	41.1	37.2	39.2	30.5	47.7	21.0	8th	54.0	14th	2.9	1.6	2.3	2.00	1.91	1.96	77	86	82			
May	30.422	47.0	43.6	45.3	36.9	53.0	25.0	17th	71.0	11th	3.0	1.9	2.5	2.53	2.43	2.48	79	86	83			
June	30.704	56.6	53.2	54.9	44.8	64.2	30.0	9th	79.0	21st	4.5	2.7	3.6	3.35	3.30	3.33	73	81	77			
July	30.482	56.0	54.3	55.2	49.2	61.9	39.5	14th	72.5	18th	3.5	1.8	2.7	3.53	3.31	3.62	78	88	83			
August	30.279	55.0	52.9	54.0	47.5	61.1	30.0	30th	67.8	8th	5.2	2.2	2.7	3.44	3.41	3.43	80	86	83			
September	30.357	54.7	52.1	53.4	44.9	60.1	32.5	3rd	72.0	13th	3.5	2.2	2.9	3.33	3.32	3.33	77	84	81			
October	30.190	44.4	43.5	44.0	37.4	53.4	21.0	29th	62.0	2nd	2.2	1.8	2.0	2.44	2.44	2.44	84	86	85			
November	30.341	38.1	38.3	38.2	32.7	44.5	19.5	27th	54.0	2nd	1.3	1.1	1.2	2.03	2.09	2.06	88	91	90			
December	29.237	35.7	34.5	35.1	29.1	41.5	18.0	17th	52.0	3rd	1.3	1.0	1.2	1.86	1.80	1.83	88	90	89			
Year	29.449	44.6	42.7	43.7	36.6	51.6	—	—	—	—	2.5	1.7	2.1	2.50	2.46	2.48	82.0	86.1	84.1			

DUNROBIN CASTLE

Long. 3° 56' W. Lat. 57° 59' N. Height above Mean Sea Level, 12 feet. Gravity Correction, + .034.

1891.	ins.	9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.897	37.6	36.4	37.0	31.9	41.0	24.3	7th	53.5	11, 12	1.1	1.8	1.5	in.	in.	in.	90.9	82.0	86.5			
February	30.207	41.8	41.6	41.7	36.7	48.6	28.3	13th	55.7	15th	1.4	1.8	1.6	2.38	2.28	2.33	88.6	86.5	87.6			
March	29.712	37.5	35.6	36.6	31.2	42.9	19.5	9th	62.4	1st	1.7	1.8	1.8	1.94	1.76	1.85	85.0	82.2	83.6			
April	30.038	43.7	41.0	42.4	35.9	45.9	30.5	24, 28	53.0	30th	2.4	2.1	2.3	2.34	2.16	2.25	82.2	83.9	83.1			
May	29.805	47.6	45.6	46.6	41.1	51.4	30.8	17th	70.0	12th	2.6	2.4	2.5	2.71	2.55	2.63	82.5	83.0	82.8			
June	30.081	54.5	52.8	53.7	48.7	58.1	39.7	9th	67.4	25th	2.4	2.1	2.3	3.64	3.50	3.57	84.5	86.2	85.4			
July	29.842	57.4	55.6	56.5	51.6	61.0	45.1	27th	68.4	19th	2.8	2.0	2.4	3.92	3.86	3.89	82.4	87.1	84.8			
August	30.638	56.0	54.6	55.3	50.1	59.9	38.8	30th	65.6	9th	2.5	2.0	2.3	3.78	3.71	3.75	84.1	86.7	85.4			
September	30.734	55.0	53.4	54.2	48.9	58.6	43.9	8th	71.9	12th	2.6	2.1	2.4	3.63	3.55	3.59	83.3	86.1	84.7			
October	30.570	49.2	48.0	48.6	42.2	53.2	30.7	20th	58.7	4th	2.5	2.4	2.5	2.92	2.81	2.87	83.2	83.2	83.2			
November	30.708	42.2	41.4	41.8	36.2	46.0	29.0	26th	50.0	2nd	1.7	1.6	1.7	2.36	2.32	2.34	86.7	87.8	87.3			
December	29.605	37.6	38.0	37.8	33.1	43.9	26.0	8th	49.0	4th	1.3	1.3	1.3	2.02	2.05	2.04	87.5	88.0	87.8			
Year	29.820	46.7	45.3	46.0	40.6	50.9	—	—	—	—	2.1	2.0	2.1	2.81	2.70	2.76	85.1	85.2	85.2			

MONTHLY SUMMARIES.—STENNESS AND DEERNESS—LAIRG—DUNROBIN CASTLE.

STENNESS AND DEERNESS.

Heights above Ground:—Barometer, 1 foot. Thermometers, 4 feet. Rain-gauge, 1 foot.
 " " " " " " " "

1891.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	7.2	5.6	6.4	ins. 2.950	ins. 4.60	19th	21	9	1	0	1	10	12	3	3	2	4	20	14	10	4	2	
February	-	5.6	5.6	5.6	2.020	1.000	11th	9	2	0	0	1	9	10	1	1	0	1	19	18	9	2	5	
March	-	6.0	4.8	5.4	2.940	4.80	4th	18	11	2	0	7	11	15	17	7	2	2	6	7	8	10	3	
April	-	5.0	3.6	4.3	0.830	1.60	30th	14	0	0	0	11	5	4	4	6	3	13	16	2	7	3	6	
May	-	6.4	5.3	5.9	2.270	7.00	26th	16	3	0	0	6	11	8	18	5	10	13	3	2	4	5	2	
June	-	7.5	7.2	7.4	1.420	4.80	27th	9	0	0	1	2	16	0	7	14	13	9	5	1	5	6	0	
July	-	8.8	9.0	8.9	4.900	6.40	28th	20	0	0	2	1	22	2	14	4	6	5	9	2	10	10	2	
August	-	8.0	7.4	7.7	4.670	8.00	18th	20	0	0	0	3	20	3	11	6	5	10	9	3	4	12	2	
September	-	7.0	7.2	7.1	3.370	5.10	6th	23	0	1	1	2	13	6	2	3	1	7	16	11	15	4	1	
October	-	5.7	5.2	5.5	1.880	3.50	24th	12	0	1	0	7	9	10	0	4	2	14	23	6	5	5	3	
November	-	5.7	5.2	5.5	2.430	1.060	11th	13	0	0	0	6	9	9	5	3	3	6	22	10	6	1	4	
December	-	4.5	4.9	4.7	3.140	4.00	29th	21	4	0	1	9	6	14	0	3	2	4	18	17	6	9	3	
Year	-	6.5	5.9	6.2	32.820	—	—	196	29	5	5	56	141	93	82	59	49	88	166	93	89	71	33	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

GORDON CASTLE

Long. 3° 5' W. Lat. 57° 37' N. Height above Mean Sea Level, 101 feet. Gravity Correction, +.033.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

GLENCAIRRON

Long. 5° 14' W. Lat. 57° 30' N. Height above Mean Sea Level, 489 feet. Gravity Correction, +.032.

January	ins. 29.360	37.3	36.2	36.8	31.0	40.9	18th	48.5	11th	1.8	1.3	1.6	in.	in.	in.	%	%	%
February	.671	42.4	42.4	42.4	37.1	49.1	12th	64.2	24th	2.1	2.2	2.2	.227	.225	.226	84	83	84
March	.196	35.0	33.4	34.2	28.1	41.3	14th	49.8	1st	2.2	1.7	2.0	.160	.157	.159	79	82	81
April	.460	41.8	39.0	40.4	32.4	48.4	8th	54.6	19th	4.0	2.1	3.1	.189	.197	.193	73	83	78
May	.248	47.7	44.6	46.2	37.9	54.0	17th	69.9	11th	4.2	3.1	3.7	.237	.228	.233	72	78	75
June	.512	56.9	53.1	55.0	46.6	64.2	11th	81.0	21st	4.9	3.0	4.0	.328	.324	.326	70	80	75
July	.326	55.2	52.7	54.0	48.4	60.4	2nd	71.1	18th	3.4	2.5	3.0	.342	.331	.337	79	83	81
August	.118	53.6	52.4	53.0	47.7	59.2	30th	69.6	19th	2.7	2.3	2.5	.338	.333	.336	81	85	83
September	.210	52.4	51.4	51.9	46.8	58.7	23rd	75.0	13th	2.4	1.7	2.1	.330	.336	.333	84	89	87
October	.012	45.3	44.9	45.1	39.4	52.7	28th	59.4	4th	2.6	2.4	2.5	.245	.245	.245	81	83	82
November	.167	39.3	39.3	39.3	34.1	44.1	23rd	49.6	1st	1.8	1.4	1.6	.206	.213	.210	86	89	88
December	29.077	38.2	38.7	38.5	32.8	42.4	17th	52.2	3rd	1.7	1.8	1.8	.197	.200	.199	86	86	86
Year	29.280	45.4	44.0	44.7	38.5	51.3	—	—	—	2.8	2.1	2.5	.249	.248	.249	80.0	84.2	82.1

ABERDEEN

Long. 2° 6' W. Lat. 57° 10' N. Height above Mean Sea Level, 46 feet. Gravity Correction, +.032.

January	ins. 29.843	36.0	36.4	36.2	32.2	40.7	21st	54.1	12th	1.8	2.1	2.0	in.	in.	in.	%	%	%
February	30.177	39.4	41.1	40.3	35.6	47.7	27th	55.8	24th	2.2	2.4	2.3	.199	.209	.204	83	81	82
March	29.612	37.7	36.3	37.0	32.2	42.5	8th, 9th	63.0	1st	3.3	2.6	3.0	.166	.167	.167	73	78	76
April	.955	42.2	40.1	41.2	35.7	45.3	14th	58.1	30th	3.8	2.5	3.2	.195	.199	.197	73	80	77
May	.700	46.4	43.9	45.2	39.9	49.9	17th	70.6	12th	3.0	2.1	2.6	.248	.242	.245	80	84	82
June	.992	54.7	51.6	53.2	47.0	58.4	9th	69.0	17th	3.6	2.5	3.1	.331	.319	.325	77	83	80
July	.749	58.2	55.6	56.9	52.3	62.3	29th	68.2	12th	4.2	2.5	3.4	.364	.372	.368	75	84	80
August	.557	55.9	54.3	55.1	49.7	60.7	30th	67.3	8th	3.4	2.3	2.9	.354	.357	.356	79	84	82
September	.689	55.3	53.7	54.5	48.3	60.3	8th	76.7	12th	3.6	2.7	3.2	.340	.338	.339	77	82	80
October	.538	46.8	46.9	46.9	41.0	52.1	29th	58.4	4th	2.6	2.1	2.4	.259	.272	.266	81	86	84
November	.664	42.0	42.3	42.2	38.3	45.6	28th	50.4	2nd	2.4	2.0	2.2	.218	.228	.223	82	85	84
December	29.579	37.3	38.3	37.8	33.9	42.4	25th	54.0	3rd	2.2	2.0	2.1	.181	.192	.187	82	83	83
Year	29.755	46.0	45.0	45.5	40.5	50.7	—	—	—	3.0	2.3	2.7	.253	.256	.255	78.8	82.7	80.8

MONTHLY SUMMARIES.—GORDON CASTLE—GLENCAIRRON—ABERDEEN.

GORDON CASTLE.

Heights above Ground:—Barometer, 3 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	6.6	4.1	5.4	ins. 1.910	ins. .390	25th	10	3	5	0	1	6	1	1	0	1	14	9	27	0	10	0
February	4.8	4.1	4.5	1.620	.810	3rd	9	1	0	0	7	5	2	0	3	0	9	8	31	2	3	0
March	6.9	5.6	6.3	2.630	.310	27th	24	0	0	0	3	11	1	3	8	1	3	2	10	14	21	0
April	6.1	5.6	5.9	0.250	.070	17th	7	0	0	0	3	9	0	2	12	7	19	1	4	1	14	0
May	7.1	7.0	7.1	3.740	.810	18th	19	1	1	1	2	8	0	2	18	3	17	0	4	0	18	0
June	6.8	5.4	6.1	0.700	.190	29th	8	0	0	1	3	11	0	8	20	0	9	5	5	2	11	0
July	8.3	8.4	8.4	7.340	1.270	28th	21	0	0	2	0	18	0	8	8	0	6	1	13	4	22	0
August	8.7	8.2	8.5	4.980	.780	4th	24	0	0	1	0	21	0	3	8	2	11	3	16	3	16	0
September	6.6	5.5	6.1	2.260	.610	21st	20	0	0	0	2	8	0	2	6	1	11	9	19	5	7	0
October	5.5	3.6	4.6	1.040	.430	14th	14	0	0	0	5	3	2	1	0	1	28	14	16	0	2	0
November	6.5	5.7	6.1	2.310	.750	12th	15	0	0	0	2	10	1	1	4	3	22	10	16	1	3	0
December	5.0	5.3	5.2	2.110	.700	16th	16	0	0	0	4	6	0	0	0	0	14	18	25	2	3	0
Year	6.6	5.7	6.2	30.890	—	—	187	5	6	5	32	116	7	31	87	19	163	80	186	34	130	0

GLENCAIRRON.

Heights above Ground:—Barometer, 15 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

January	-	-	8.6	8.2	8.4	ins. 9.320	ins. 2.050	19th	26	0	0	0	—	—	0	1	0	18	0	1	1	39	0	2
February	-	-	6.8	7.3	7.1	12.140	3730	10th	18	0	0	0	3	15	0	3	0	11	0	0	0	35	0	7
March	-	-	7.0	7.2	7.1	8.070	1.050	3rd	20	1	0	0	6	18	0	5	0	24	0	0	0	27	0	6
April	-	-	6.7	5.8	6.3	1.630	.390	15th	15	1	1	0	6	14	0	5	0	32	1	0	0	18	0	4
May	-	-	6.6	7.0	6.8	5.320	.770	14th	21	2	2	1	4	16	0	4	2	33	0	2	0	17	1	3
June	-	-	5.2	4.5	4.9	3.370	1.130	17th	12	0	0	1	9	8	0	4	0	35	0	1	0	19	0	1
July	-	-	8.4	8.3	8.4	5.620	.810	7th	24	0	0	0	2	21	0	3	0	21	0	0	0	36	0	2
August	-	-	9.1	7.8	8.5	7.080	.820	11th	27	0	0	1	0	21	0	7	0	20	0	1	0	33	1	0
September	-	-	8.6	7.8	8.2	12.340	1.660	26th	25	0	0	0	1	19	0	5	0	13	0	0	0	42	0	0
October	-	-	6.2	7.0	6.6	7.390	.940	9th	22	0	0	0	4	16	0	10	0	19	0	0	0	30	0	3
November	-	-	8.8	7.7	8.3	6.130	1.000	11th	17	0	0	0	2	22	0	6	0	26	0	0	0	28	0	0
December	-	-	8.4	8.3	8.4	11.720	1.720	4th	25	0	0	0	1	21	0	6	0	12	0	2	0	42	0	0
Year	-	-	7.5	7.2	7.4	90.130	—	—	252	4	5	3	—	—	0	59	2	264	1	7	1	366	2	28

FORT AUGUSTUS

Long. 4° 40' W. Lat. 57° 8' N. Height above Mean Sea Level, 68 feet. Gravity Correction, +.032.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.863	37.7	36.9	37.3	32.2	42.0	16.1	23rd	52.3	12th	1.6	1.1	1.4	in. 1.95	in. 1.98	in. 1.97	86	91	89		
February	30.182	41.4	42.6	42.0	36.5	49.0	25.6	21st	60.4	24th	1.9	2.3	2.1	2.22	2.25	2.24	86	83	85		
March	29.687	35.2	35.8	35.5	29.2	43.4	13.1	9th	56.6	1st	2.1	1.8	2.0	1.65	1.77	1.71	80	84	82		
April	.933	42.4	41.9	42.2	33.8	49.6	23.8	9th	56.8	30th	3.7	3.0	3.4	1.94	2.07	2.01	74	78	76		
May	.696	47.2	46.5	46.9	39.5	54.2	29.5	17th	70.8	12th	3.6	3.0	3.3	2.43	2.49	2.46	76	80	78		
June	.964	54.3	54.3	54.3	47.0	63.0	34.1	9th	79.7	20th	3.2	3.0	3.1	3.34	3.39	3.37	79	80	80		
July	.768	56.0	55.8	55.9	51.2	62.8	42.6	2nd	71.3	18th	3.1	2.8	3.0	3.63	3.67	3.65	80	82	81		
August	.559	55.4	55.1	55.3	49.9	61.2	37.2	30th	68.8	19th	2.7	2.4	2.6	3.63	3.66	3.65	83	84	84		
September	.674	53.4	52.9	53.2	47.8	60.0	29.9	23rd	73.8	12th	2.3	2.0	2.2	3.45	3.46	3.46	85	87	86		
October	.485	45.4	46.1	45.8	40.1	53.6	24.7	29th	60.2	6th	2.6	3.0	2.8	2.46	2.45	2.46	82	79	81		
November	.645	39.4	39.4	39.4	34.6	44.8	25.0	27th	49.0	8th	1.5	1.1	1.3	2.12	2.20	2.16	88	91	90		
December	29.564	38.7	39.3	39.0	33.9	44.2	25.0	22nd	54.5	3rd	1.3	1.6	1.5	2.10	2.09	2.10	90	88	89		
Year	29.752	45.5	45.6	45.6	39.6	52.3	—	—	—	—	2.5	2.3	2.4	2.58	2.62	2.60	82.4	83.9	83.2		

BRAEMAR

Long. 3° 24' W. Lat. 57° 0' N. Height above Mean Sea Level, 1,111 feet. Gravity Correction, +.030.

	ins.													in.	in.	in.	%	%	%
January	28.721	31.8	32.9	32.4	27.6	38.6	7.7	7th	49.8	12th	1.2	1.4	1.3	1.60	1.64	1.62	86.1	84.6	85.4
February	29.046	37.0	38.5	37.8	31.9	47.6	19.3	27th	61.0	24th	2.0	2.7	2.4	1.87	1.83	1.85	82.6	77.3	80.0
March	28.516	31.9	32.6	32.3	27.4	38.5	13.5	13th	55.2	1st	1.2	1.3	1.3	1.57	1.60	1.59	84.8	84.7	84.8
April	.813	37.6	36.5	37.1	30.3	44.0	17.0	1st	54.2	30th	3.0	2.2	2.6	1.70	1.76	1.73	75.4	81.5	78.5
May	.580	45.3	42.3	43.8	35.9	52.0	28.0	17, 18	68.2	12th	4.2	2.6	3.4	2.19	2.18	2.19	72.1	80.8	76.5
June	.867	56.0	53.0	54.5	44.6	63.9	30.4	11th	75.4	20th	4.9	3.4	4.2	3.25	3.21	3.23	71.5	78.8	75.2
July	.669	55.4	53.6	54.5	48.8	62.4	43.8	28th	70.0	10, 13	3.8	2.7	3.3	3.40	3.42	3.41	77.3	82.9	80.1
August	.487	52.7	51.7	52.2	47.0	59.1	36.0	3rd	65.8	7th	3.0	2.5	2.8	3.22	3.22	3.22	81.0	83.8	82.4
September	.571	51.2	50.6	50.9	44.9	57.6	30.5	23rd	75.0	12th	3.0	2.2	2.6	3.08	3.17	3.13	80.7	84.8	82.8
October	.383	41.3	41.5	41.4	36.5	49.3	20.3	29th	56.0	3, 5	1.9	2.0	2.0	2.25	2.25	2.25	85.1	84.8	85.0
November	.501	36.2	36.9	36.6	32.1	41.6	16.4	25th	49.0	19th	1.3	1.5	1.4	1.90	1.94	1.92	88.6	87.4	88.0
December	28.425	33.5	35.5	34.5	29.3	40.0	16.0	15, 25	50.2	3rd	1.1	1.4	1.3	1.73	1.81	1.77	88.0	86.9	87.5
Year	28.632	42.5	42.1	42.3	36.4	49.6	—	—	—	—	2.6	2.2	2.4	2.31	2.34	2.33	81.1	83.2	82.2

FORT WILLIAM

Long. 5° 6' W. Lat. 56° 48' N. Height above Mean Sea Level, 31 feet. Gravity Correction, +.032.

	ins.												in.	in.	in.	%	%	
January -	29.909	39.1	38.7	38.9	35.2	42.5	24.6	6th	50.0	12th	2.1	2.0	2.1	.198	.197	.198	83	84
February -	30.244	41.9	43.2	42.6	38.9	47.4	30.8	27th	55.0	24th	2.0	2.3	2.2	.226	.230	.228	86	84
March -	29.723	36.6	37.1	36.9	31.8	43.0	18.8	9th	53.9	1st	2.8	3.0	2.9	.167	.166	.167	76	76
April -	.971	42.8	42.0	42.4	35.6	49.4	29.6	9th	54.2	11th	4.1	3.7	3.9	.195	.195	.195	70	72
May -	.735	48.5	47.5	48.0	41.2	55.7	32.9	17th	69.7	11th	4.3	3.9	4.1	.243	.240	.242	71	73
June -	.994	57.7	57.5	57.6	49.7	65.3	39.7	11th	78.5	22, 25	4.5	4.8	4.7	.350	.339	.345	73	73
July -	.822	57.0	56.1	56.6	51.7	62.9	46.4	2nd	72.5	14th	3.5	3.2	3.4	.364	.362	.363	78	79
August -	.601	55.8	54.8	55.3	50.8	61.0	38.8	30th	70.6	18th	3.3	2.8	3.1	.355	.351	.353	79	81
September	.732	53.4	53.6	53.5	49.6	59.0	37.4	23rd	70.4	13th	2.5	2.4	2.5	.340	.344	.342	83	83
October -	.525	45.7	46.7	46.2	42.0	52.2	28.4	29th	59.4	3rd	2.7	3.0	2.9	.247	.251	.249	81	81
November	.690	40.7	41.5	41.1	37.4	44.9	25.5	27th	51.7	13th	2.1	1.9	2.0	.211	.223	.217	84	85
December	29.615	40.6	40.9	40.8	36.4	45.2	28.8	22nd	55.1	3rd	2.3	2.2	2.3	.207	.211	.209	82	83
Year -	29.797	46.7	46.6	46.7	41.7	52.4	—	—	—	—	3.0	2.9	3.0	.259	.259	.259	78.8	79.3

FORT AUGUSTUS.

Heights above Ground :—Barometer, 5 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 6 inches.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	7.7	6.9	7.3	ins. 5.800	ins. .910	19th	20	7	0	0	0	11	1	5	1	1	0	1	33	6	0	15
February	-	6.3	6.1	6.2	4.190	1.120	2nd	11	1	0	0	3	9	2	1	1	0	0	11	33	0	2	8
March	-	6.6	6.5	6.6	3.200	.550	4th	19	10	0	0	4	14	2	4	11	1	0	4	13	7	0	22
April	-	6.2	6.1	6.2	0.640	.310	30th	9	1	1	0	2	5	0	8	11	5	3	4	11	2	0	16
May	-	6.8	6.2	6.5	2.390	.600	1st	16	1	0	0	1	9	2	3	27	1	1	3	9	3	0	15
June	-	5.9	5.7	5.8	1.860	.550	17th	10	0	0	0	6	12	0	0	37	0	1	1	14	0	0	7
July	-	8.7	8.2	8.5	4.240	.920	7th	19	0	0	0	0	18	0	2	19	0	0	9	21	1	1	9
August	-	8.5	8.6	8.3	5.160	1.640	3rd	27	0	0	0	0	18	0	0	21	1	2	2	24	1	0	18
September	-	7.5	7.7	7.6	6.830	1.300	1st	23	0	0	0	2	11	0	1	4	0	0	4	32	0	0	19
October	-	6.6	6.2	6.4	3.290	.660	13th	20	0	0	0	4	8	3	1	5	0	0	7	30	0	0	19
November	-	7.9	7.4	7.7	2.880	.580	11th	20	0	0	0	1	12	1	0	5	0	0	2	20	0	0	33
December	-	7.2	7.6	7.4	8.130	1.100	15th	26	4	0	0	1	12	3	0	6	0	0	7	27	1	0	21
Year	-	7.2	6.9	7.1	48.610	—	—	220	24	1	0	24	139	14	25	148	9	7	55	267	21	3	195

LEDNATHIE

Long. 3° 7' W. Lat. 56° 45' N. Height above Mean Sea Level, 719 feet. Gravity Correction, +.030.

1891.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.			Min. Day. Max. Day.			9 a.m. 9 p.m. Mean.			9 a.m. 9 p.m. Mean.			5 a.m. 9 p.m. Mean.		
		ins.																	
January	29.153	32.1	32.8	32.5	26.9	38.9	10.0	8th	50.5	12th	1.3	1.3	1.3	1.52	1.60	1.56	83	85	84
February	29.488	37.4	36.8	37.1	30.4	49.1	22.0	27th	59.1	19th	1.8	1.8	1.8	1.89	1.84	1.87	85	85	85
March	28.920	35.4	33.6	34.5	28.5	41.6	16.7	9th	57.7	1st	2.9	2.5	2.7	1.54	1.44	1.49	74	75	75
April	29.241	39.9	36.4	38.2	30.4	46.1	22.8	19th	57.0	30th	3.7	2.1	2.9	1.77	1.76	1.77	71	82	77
May	28.994	46.2	42.2	44.2	36.3	53.2	27.0	17th	73.0	12th	4.1	2.8	3.5	2.25	2.12	2.19	75	80	77
June	29.288	57.5	52.5	55.0	43.5	65.5	29.5	9th	75.9	23rd	5.5	3.1	4.3	3.22	3.14	3.18	68	79	74
July	29.063	57.5	54.4	56.0	48.0	64.6	37.3	7th	74.8	10th	4.2	3.1	3.7	3.54	3.38	3.46	75	80	78
August	28.876	54.1	52.2	53.2	46.4	61.0	34.2	29th	71.0	7th	3.2	1.9	2.6	3.31	3.40	3.36	79	87	83
September	29.014	53.9	49.7	51.8	43.9	59.9	34.2	23rd	75.0	12th	2.9	2.0	2.5	3.35	3.07	3.21	81	87	84
October	28.841	42.7	42.1	42.4	36.2	51.8	26.0	31st	56.0	4th	1.6	1.4	1.5	2.39	2.38	2.39	87	89	88
November	29.945	37.7	36.9	37.3	32.2	43.2	20.6	27th	54.8	1st	1.2	0.8	1.0	2.03	2.03	2.03	90	93	92
December	28.890	33.8	35.7	34.8	30.2	40.1	17.2	17th	52.0	3rd	1.4	1.5	1.5	1.66	1.82	1.74	85	86	86
Year	29.059	44.0	42.1	43.1	36.1	51.3	—	—	—	—	2.8	2.0	2.4	2.37	2.33	2.35	79.3	84.0	81.7

LAUDALE

Long. 5° 41' W. Lat. 56° 41' N. Height above Mean Sea Level, 14 feet. Gravity Correction, +.031.

1891.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.			Min. Day. Max. Day.			9 a.m. 9 p.m. Mean.			9 a.m. 9 p.m. Mean.			5 a.m. 9 p.m. Mean.		
		ins.																	
January	29.927	39.8	39.9	39.9	34.4	44.1	22.7	21st	52.7	12th	2.0	1.8	1.9	2.08	2.12	2.10	82.6	84.2	83.4
February	30.257	45.0	44.9	45.0	38.5	50.7	31.7	27th	60.1	25th	2.7	2.6	2.7	2.45	2.44	2.45	81.3	82.1	81.7
March	29.744	37.7	37.4	37.6	31.4	44.7	17.8	9th	57.2	1st	2.8	2.5	2.7	1.75	1.76	1.76	73.9	75.6	74.8
April	29.978	44.1	41.6	42.9	34.6	50.2	28.6	8th	60.3	20th	4.2	3.2	3.7	2.05	2.00	2.03	70.9	76.1	73.5
May	29.758	49.5	47.2	48.4	40.5	57.0	31.7	16, 17	68.2	12th	4.6	3.3	4.0	2.53	2.53	2.53	71.6	78.2	74.9
June	30.007	59.9	57.8	58.9	49.8	66.9	37.2	10th	79.5	23rd	5.2	4.5	4.9	3.72	3.61	3.67	71.7	74.6	73.2
July	29.844	56.9	54.7	55.8	50.4	62.9	46.5	7, 9	72.1	15th	3.2	2.2	2.7	3.73	3.68	3.71	80.5	85.8	83.2
August	29.618	56.7	55.1	55.9	50.4	61.5	40.5	30th	69.5	18th	2.9	2.3	2.6	3.78	3.72	3.75	81.9	85.1	83.5
September	29.750	55.6	54.6	55.1	48.8	61.5	40.5	7th	74.5	13th	3.1	2.6	2.9	3.61	3.59	3.60	81.0	83.6	82.3
October	29.524	47.6	46.8	47.2	40.9	55.1	31.0	25th	61.2	9, 22	2.4	2.3	2.4	2.80	2.72	2.76	83.3	84.0	83.7
November	29.702	41.8	42.4	42.1	36.0	46.6	25.0	27th	55.3	1st	2.0	2.0	2.0	2.27	2.32	2.30	84.5	85.1	84.8
December	29.631	42.6	42.5	42.6	36.8	47.4	29.6	7th	58.3	5th	2.5	2.1	2.3	2.25	2.30	2.28	81.5	83.9	82.7
Year	29.812	48.1	47.1	47.6	41.0	54.1	—	—	—	—	3.1	2.6	2.9	2.75	2.73	2.74	78.7	81.5	80.1

DUNDEE

Long. 2° 56' W. Lat. 56° 28' N. Height above Mean Sea Level, 160 feet. Gravity Correction, +.030.

1891.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.			Min. Day. Max. Day.			9 a.m. 9 p.m. Mean.			9 a.m. 9 p.m. Mean.			5 a.m. 9 p.m. Mean.		
		ins.																	
January	29.796	35.2	35.6	35.4	31.0	39.7	19.6	8th	49.0	12th	1.4	1.5	1.5	1.81	1.82	1.82	86.4	85.2	85.8
February	30.124	39.3	39.7	39.5	34.0	46.4	28.0	27th	54.4	24th	1.3	1.4	1.4	2.17	2.19	2.18	89.3	88.9	89.1
March	29.549	38.4	36.1	37.3	31.6	44.0	19.3	9th	55.5	1st	3.0	1.9	2.5	1.77	1.77	1.77	74.7	81.9	78.3
April	29.854	43.2	39.4	41.3	34.6	48.7	28.0	1st	59.7	30th	3.2	1.7	2.5	2.15	2.10	2.13	77.3	86.9	82.1
May	29.604	49.0	44.3	46.7	40.4	54.7	31.3	17th	70.0	12th	3.4	2.1	2.8	2.73	2.48	2.61	78.5	85.0	81.8
June	29.894	57.8	52.2	55.0	47.4	64.9	37.8	11th	74.8	23rd	3.8	1.9	2.9	3.78	3.47	3.63	77.8	87.9	82.9
July	29.666	60.7	56.2	58.5	51.6	67.8	44.3	7th	79.6	13th	4.2	2.3	3.3	4.07	3.89	3.98	76.0	85.3	80.7
August	29.485	57.4	54.7	56.1	49.4	62.0	40.5	29th	67.1	19, 27	3.2	2.1	2.7	3.81	3.72	3.77	80.9	86.8	83.9
September	29.620	55.0	52.4	53.7	47.8	61.3	41.5	8th	77.8	12th	2.5	1.7	2.1	3.66	3.53	3.60	83.8	88.8	86.3
October	29.453	46.0	44.9	45.5	40.2	52.5	29.3	31st	62.9	4th	1.7	1.4	1.6	2.76	2.71	2.74	88.2	90.1	89.2
November	29.599	39.5	40.0	39.8	36.6	44.1	27.5	28th	51.2	2nd	1.1	1.2	1.2	2.23	2.25	2.24	90.3	90.0	90.2
December	29.532	36.8	37.7	37.3	33.1	41.4	23.9	17th	48.9	3rd	1.1	1.2	1.2	1.99	2.06	2.03	89.4	89.5	89.5
Year	29.681	46.5	44.4	45.5	39.8	52.3	—	—	—	—	2.5	1.7	2.1	2.74	2.67	2.71	82.7	87.2	85.0

LEDNATHIE.

Heights above Ground:—Barometer, 3 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

Heights above Ground. — Barometer, 30 in.																							
1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9a.m.	9p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
				ins.	ins.																		
January	-	6.2	6.0	6.1	2.160	.290	29th	20	9	2	0	4	11	9	6	5	7	6	0	4	24	8	2
February	-	3.6	3.2	3.4	0.190	.090	11th	5	1	0	0	5	9	2	1	1	1	1	1	5	15	17	14
March	-	6.2	5.5	5.9	2.490	.990	15th	17	16	2	0	4	7	6	10	7	2	2	1	2	15	22	1
April	-	6.1	7.3	6.7	2.750	.800	5th	14	3	0	0	2	13	0	6	9	11	12	5	0	3	10	4
May	-	6.8	4.8	5.8	1.960	.720	29th	15	0	0	0	3	10	1	8	9	5	17	2	3	6	10	2
June	-	5.5	4.8	5.2	0.550	.180	29th	7	0	0	0	9	10	1	3	11	8	11	3	4	11	3	6
July	-	7.0	7.5	7.3	3.310	.700	16th	19	0	0	4	0	9	6	5	6	2	5	8	9	9	12	6
August	-	7.1	7.0	7.1	8.000	1.780	17th	24	0	1	2	0	14	4	2	6	7	6	1	6	24	8	2
September	-	7.5	6.2	6.9	3.720	.850	20th	22	0	0	1	3	15	5	3	2	0	7	4	11	23	4	6
October	-	6.5	5.5	6.0	6.740	1.520	8th	18	0	1	0	2	2	11	1	4	5	11	1	16	8	5	11
November	-	7.1	7.7	7.4	6.600	1.210	11th	18	3	0	0	2	13	1	3	7	6	8	0	14	6	8	8
December	-	4.6	6.2	5.4	4.630	.610	1st	16	6	0	0	7	10	5	2	4	2	3	2	7	17	19	6
Year	-	6.2	6.0	6.1	43.100	—	—	195	38	6	7	41	123	51	50	71	56	89	28	81	161	126	68

OCHTERTYRE

Long. 3° 53' W. Lat. 56° 23' N. Height above Mean Sea Level, 329 feet. Gravity Correction, +.030.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												ins.	ins.	ins.	%	%	%
January	29.626	34.8	35.6	35.2	29.8	41.4	18.0	10th	52.0	13th	1.7	2.2	2.0	1.168	1.168	1.168	83	80	82
February	29.58	37.7	40.0	38.9	32.8	50.3	23.0	27th	62.0	20th	1.2	2.5	1.9	1.203	1.198	1.201	90	80	85
March	29.371	37.9	36.7	37.3	28.9	46.7	15.0	9th	61.0	2nd, 5th	3.0	3.4	3.2	1.173	1.157	1.165	76	72	74
April	29.668	42.9	40.6	41.8	33.3	50.6	25.0	5th	61.0	18th	3.8	2.9	3.4	1.200	1.197	1.199	73	78	76
May	29.422	49.7	43.7	46.7	37.9	58.1	29.0	17th	76.0	12th	4.0	2.1	3.1	1.263	1.240	1.252	73	84	79
June	29.711	58.6	53.5	56.1	46.3	68.0	35.0	11th	82.0	21st	4.1	2.4	3.3	1.372	1.343	1.358	76	84	80
July	29.484	59.7	55.1	57.4	49.9	68.1	40.0	7th	76.0	15th	4.8	3.3	4.1	1.370	1.343	1.357	72	79	76
August	29.294	57.3	56.0	56.7	49.2	65.9	37.0	29th	70.0	18th	4.4	3.6	4.0	1.346	1.350	1.348	74	77	76
September	29.422	54.4	53.4	53.9	46.5	62.7	38.0	23rd	81.0	11th	3.5	2.8	3.2	1.329	1.332	1.331	77	82	80
October	29.254	46.0	45.2	45.6	39.4	54.9	27.0	30th	65.0	5th	2.5	2.4	2.5	1.255	1.247	1.251	83	82	83
November	29.390	40.0	39.6	39.8	34.5	45.9	24.0	27th	55.0	7th	1.8	1.6	1.7	1.211	1.211	1.211	86	86	86
December	29.331	36.3	37.7	37.0	30.8	43.6	21.0	15th	54.0	3rd	1.8	2.1	2.0	1.181	1.187	1.184	85	82	84
Year	29.494	46.3	44.8	45.6	38.3	54.7	—	—	—	—	3.1	2.6	2.9	1.256	1.248	1.252	79.0	80.5	79.8

CALTON MOR.

Long. 5° 30' W. Lat. 56° 8' N. Height above Mean Sea Level, 132 feet. Gravity Correction, +.029.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												ins.	ins.	ins.	%	%	%
January	29.838	36.7	36.3	36.5	32.0	43.5	20.4	5th	51.3	29th	1.1	1.4	1.3	1.196	1.188	1.192	90	88	89
February	29.179	40.3	40.3	40.3	36.9	49.8	28.4	27th	56.3	25th	1.7	1.5	1.6	1.215	1.210	1.217	87	88	88
March	29.639	36.6	34.7	35.7	30.5	44.9	15.4	9th	54.3	19th	2.6	2.0	2.3	1.169	1.162	1.166	78	80	79
April	29.862	43.8	38.9	41.4	34.7	50.9	28.4	8th	57.3	21st	4.9	2.1	3.5	1.188	1.196	1.192	65	84	75
May	29.642	49.3	44.3	46.8	40.2	57.3	33.4	4th	72.3	12th	5.0	1.6	3.3	1.238	1.256	1.247	68	88	78
June	29.909	58.9	54.9	56.9	49.2	66.7	38.4	10th	83.3	24th	4.8	3.0	3.9	1.358	1.348	1.353	72	80	76
July	29.741	56.9	54.5	55.7	49.9	63.0	39.4	22nd	71.3	16th	3.4	2.3	2.9	1.365	1.360	1.363	79	84	82
August	29.521	55.8	52.3	54.1	49.6	62.7	38.4	30th	69.3	5th	2.2	1.7	2.0	1.384	1.347	1.366	86	88	87
September	29.668	53.9	50.8	52.4	47.2	62.0	38.4	23rd	75.3	14th	2.2	1.7	2.0	1.354	1.328	1.341	86	88	87
October	29.438	46.3	43.1	44.7	40.3	54.7	28.4	25th	59.3	2nd	2.6	1.3	2.0	1.256	1.250	1.253	82	89	86
November	29.601	40.0	40.3	40.2	35.8	47.1	25.4	27th	54.3	4th	1.4	1.3	1.4	1.218	1.223	1.221	89	90	90
December	29.552	41.0	40.7	40.9	35.6	46.6	29.4	8th	54.3	3rd	1.6	1.5	1.6	1.223	1.223	1.223	87	88	88
Year	29.716	46.6	44.3	45.5	40.2	54.1	—	—	—	—	2.8	1.8	2.3	1.264	1.258	1.261	80.8	86.3	83.6

EDINBURGH

Long. 3° 12' W. Lat. 55° 57' N. Height above Mean Sea Level, 253 feet. Gravity Correction, +.028.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												ins.	ins.	ins.	%	%	%
January	29.683	37.3	36.6	37.0	32.6	41.0	24.0	8th	51.0	28th	1.7	1.8	1.8	1.190	1.183	1.187	83.5	82.5	83.0
February	29.024	39.8	41.8	40.8	36.4	50.3	27.5	27th	61.1	24th	1.8	2.1	2.0	1.212	1.214	1.218	85.0	84.3	84.7
March	29.450	36.2	36.3	36.3	32.0	44.4	20.3	9th	55.2	1st	2.4	2.4	2.4	1.168	1.169	1.169	75.0	75.9	75.5
April	29.732	42.6	40.3	41.5	35.5	50.2	26.6	1st	60.8	30th	3.5	2.6	3.1	1.205	1.201	1.203	75.2	80.8	78.0
May	29.489	48.1	45.5	46.8	40.0	56.1	31.0	17th	73.1	12th	3.8	3.1	3.5	1.254	1.241	1.248	75.5	78.9	77.2
June	29.783	55.0	52.6	53.8	48.3	61.6	40.6	7th	72.9	11th	3.3	2.3	2.8	1.349	1.339	1.344	80.4	85.0	82.7
July	29.571	57.9	55.7	56.8	52.1	65.7	45.4	29th	73.3	17th	3.9	3.1	3.5	1.370	1.358	1.364	76.7	80.3	78.5
August	29.375	56.3	54.6	55.5	50.6	63.1	40.4	30th	69.5	18th	3.1	2.3	2.7	1.367	1.364	1.366	80.8	84.9	82.9
September	29.527	55.7	54.2	55.0	49.8	62.2	42.4	23rd	79.8	12th	3.3	2.7	3.0	1.355	1.349	1.352	79.3	82.3	80.8
October	29.338	46.9	46.4	46.7	41.9	53.8	32.1	29th	61.9	3rd	2.6	2.5	2.6	1.265	1.260	1.263	82.6	82.3	82.5
November	29.480	40.8	40.9	40.9	37.1	45.8	27.7	27th	53.0	18th	1.8	1.9	1.9	1.221	1.220	1.221	85.8	85.5	85.7
December	29.430	38.9	40.0	39.5	35.4	44.0	28.8	15th	55.9	3rd	1.9	1.9	1.9	1.201	1.211	1.206	83.7	84.5	84.1
Year	29.574	46.3	45.4	45.9	41.0	53.2	—	—	—	—	2.8	2.4	2.6	1.263	1.260	1.262	80.3	82.3	81.3

OCHTERTYRE.

Heights above Ground:—Barometer, 4 feet. Thermometers, 4 feet. Rain-gauge, 9 inches.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
				ins.	ins.																		
January -	6.5	5.7	6.1	2.290	.470	23rd	16	0	0	0	3	10	4	7	2	9	1	1	14	20	3	5	
February -	6.8	5.1	6.0	0.580	.280	2nd	8	0	0	0	3	7	3	0	0	15	0	0	5	29	2	5	
March -	5.1	4.1	4.6	2.660	1.280	16th	13	3	0	0	10	7	5	4	3	13	1	1	2	28	10	0	
April -	6.7	7.2	7.0	1.860	.690	5th	9	0	0	0	2	14	1	0	3	37	1	0	2	8	6	3	
May -	7.4	5.4	6.4	2.900	.880	2nd	18	1	0	1	1	10	0	9	7	24	2	1	4	7	5	3	
June -	6.2	4.8	5.5	1.340	.680	27th	7	0	0	1	7	8	0	1	6	28	0	0	11	7	5	2	
July -	7.8	5.2	6.5	1.930	.380	6th	18	0	0	4	0	6	0	14	6	4	3	1	8	14	8	4	
August -	7.9	6.8	7.4	5.550	1.100	31st	20	0	0	4	0	14	0	6	7	12	1	0	12	17	4	3	
September -	7.7	6.8	7.3	4.930	.870	26th	23	0	0	1	3	15	1	0	1	9	1	2	12	27	3	5	
October -	6.8	5.4	6.1	6.170	1.390	9th	21	0	0	1	2	8	1	0	3	12	2	6	18	12	1	8	
November -	8.0	7.7	7.9	5.120	.990	19th	19	0	0	0	0	19	1	0	1	19	3	0	12	12	1	12	
December -	5.3	6.8	6.1	5.970	.710	16th	21	0	0	0	5	10	2	1	1	3	0	1	22	21	4	9	
Year -	6.9	5.9	6.4	41.300	—	—	193	4	0	12	36	128	18	42	40	185	15	13	122	202	52	59	

GLASGOW

Long. 4° 18' W. Lat. 55° 53' N. Height above Mean Sea Level, 180 feet. Gravity Correction, +.029.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.778	37.5	37.3	37.4	33.6	41.4	24.4	18th	49.0	28th	1.6	1.5	1.6	in. 1.96	in. 1.96	in. 1.96	85.3	86.0	85.7
February	30.135	39.7	41.6	40.7	36.8	46.9	28.8	27th	55.8	23rd	1.3	1.7	1.5	2.21	2.29	2.25	89.2	87.0	88.1
March	29.567	35.8	36.8	36.8	32.2	43.2	20.0	9th	55.3	1st	2.5	2.4	2.5	1.74	1.73	1.74	77.3	76.8	77.1
April	31.813	43.1	41.2	42.2	36.2	48.5	29.3	1st	55.4	30th	4.2	2.9	3.6	1.96	2.03	2.00	70.4	78.6	74.5
May	31.583	48.5	46.2	47.4	41.0	55.2	32.6	17th	69.8	12th	4.4	3.4	3.9	2.45	2.40	2.43	71.7	77.0	74.4
June	31.857	56.4	54.2	55.3	49.2	64.2	40.2	7th	77.7	20th	3.9	3.2	3.6	3.51	3.40	3.46	76.9	80.0	78.5
July	31.668	59.3	55.8	57.6	51.9	65.1	45.5	7th	73.2	15th	5.0	3.2	4.1	3.63	3.57	3.60	72.0	80.0	76.0
August	31.467	56.4	54.5	55.5	51.2	62.2	41.6	29th	68.5	18th	3.2	2.5	2.9	3.37	3.35	3.36	80.7	84.1	82.4
September	31.628	54.0	53.6	53.8	49.7	60.7	39.7	23rd	72.8	13th	2.1	1.9	2.0	3.62	3.62	3.62	86.1	87.2	86.7
October	31.421	46.2	45.7	46.0	42.3	52.1	28.1	25th	60.1	4th	2.1	2.0	2.1	2.71	2.65	2.68	85.6	85.9	85.8
November	31.562	40.5	41.1	40.8	37.4	45.2	24.2	27th	51.0	18th	1.2	1.5	1.4	2.29	2.29	2.29	90.2	88.4	89.3
December	29.520	39.5	39.9	39.7	36.0	43.5	27.9	17th	54.0	3rd	1.6	1.2	1.4	2.14	2.24	2.19	87.1	90.1	88.6
Year	29.667	46.5	45.7	46.1	41.5	52.4	—	—	—	—	2.8	2.3	2.6	2.66	2.65	2.66	81.0	83.4	82.2

ROSEWELL

Long. 3° 7' W. Lat. 55° 51' N. Height above Mean Sea Level, 690 feet. Gravity Correction, +.028.

1891.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.218	35.7	34.5	35.1	30.2	40.8	20.0	8th, 18th	50.0	4th	0.7	0.7	0.7	in. 1.96	in. 1.86	in. 1.91	94	93	94
February	29.547	41.2	40.5	40.9	32.5	49.2	24.0	21st	62.0	23rd	2.0	2.2	2.1	2.17	2.08	2.13	86	82	84
March	28.976	35.4	33.4	34.4	26.6	40.7	8.0	9th	54.0	1st	1.2	1.0	1.1	1.84	1.54	1.69	89	75	82
April	29.240	41.4	37.1	39.3	30.1	46.8	21.0	1st	57.5	30th	3.0	1.6	2.3	2.01	1.90	1.96	78	86	82
May	31.022	47.6	42.9	45.3	35.1	54.1	26.5	17th	72.0	12th	3.1	2.0	2.6	2.58	2.34	2.46	79	85	82
June	31.312	55.0	50.8	52.9	43.9	61.8	34.0	6th	74.0	20th	3.0	1.6	2.3	3.49	3.30	3.40	81	88	85
July	29.116	57.5	53.3	55.4	46.5	63.5	41.5	28th	71.0	17th	3.8	1.5	2.7	3.64	3.65	3.65	77	90	84
August	28.913	56.2	52.8	54.5	45.3	61.4	35.5	30th	71.0	18th	2.5	1.4	2.0	3.80	3.61	3.71	83	90	87
September	29.076	55.5	52.0	53.8	44.8	61.5	39.0	3rd	78.5	12th	2.9	1.7	2.3	3.60	3.43	3.52	82	88	85
*October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	29.003	40.1	39.2	39.7	33.2	45.7	22.5	27th	53.0	18th	1.3	1.0	1.2	2.21	2.20	2.21	89	92	91
December	28.938	37.4	37.7	37.6	30.8	43.8	25.5	17th	55.0	3rd	1.4	1.0	1.2	1.96	2.07	2.02	88	91	90
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Observer was ill during the month of October.

ROTHESAY

Long. 5° 4' W. Lat. 55° 50' N. Height above Mean Sea Level, 115 feet. Gravity Correction, +.029.

1891.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.893	38.1	37.5	37.8	33.7	43.3	25.0	6th	51.2	28th	1.4	1.5	1.5	in. 2.02	in. 1.95	in. 1.99	88	87	88
February	30.214	40.7	41.3	41.0	36.9	49.2	29.2	27th	55.5	24th	1.4	2.0	1.7	2.24	2.19	2.22	88	84	86
March	29.653	38.2	36.2	37.2	32.0	46.2	20.3	9th	52.8	1st	2.3	1.6	2.0	1.86	1.84	1.85	81	86	84
April	31.889	44.3	40.7	42.5	36.3	51.8	29.5	1st	59.5	30th	4.2	2.6	3.4	2.25	2.02	2.04	70	80	75
May	31.667	49.9	45.6	47.8	40.5	58.4	32.5	17th	71.2	12th	4.1	2.9	3.5	2.63	2.42	2.53	73	80	77
June	31.928	58.0	55.3	56.7	49.3	67.4	39.6	7th	83.2	23rd	4.1	3.2	3.7	3.65	3.49	3.57	76	80	78
July	31.762	58.5	54.9	56.7	50.4	65.3	40.5	10th	74.8	15th	3.4	2.5	3.0	3.89	3.61	3.75	79	84	82
August	31.554	56.8	53.7	55.3	49.7	63.9	40.3	30th	71.2	18th	2.6	1.6	2.1	3.86	3.67	3.77	83	89	86
September	31.699	55.8	53.2	54.5	49.3	62.5	40.0	23rd	78.0	13th	2.5	1.6	2.1	3.75	3.60	3.68	84	89	87
October	31.518	47.9	46.0	47.0	42.0	55.4	31.5	25th	61.0	8th	2.2	1.8	2.0	2.80	2.69	2.75	85	87	86
November	31.636	41.6	41.3	41.5	37.8	47.8	27.5	27th	56.5	7th	1.6	1.5	1.6	2.29	2.29	2.29	88	88	88
December	29.592	40.1	40.9	40.5	36.6	46.4	30.5	22nd	55.5	3rd	1.7	1.4	1.6	2.14	2.27	2.21	86	89	87
Year	29.750	47.5	45.5	46.5	41.2	54.8	—	—	—	—	2.6	2.0	2.3	2.77	2.67	2.72	81.8	85.3	83.6

GLASGOW.

Heights above Ground:—Barometer, 4 feet. Thermometers, 7 feet. Rain-gauge, 2 feet.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	8.1	6.7	7.4	ins. 2.680	ins. .350	31st	17	6	0	0	1	16	0	0	8	4	2	10	21	12	5	0
February	8.7	7.9	8.3	0.535	.177	5th	9	0	0	0	0	17	0	0	8	6	1	4	21	13	2	1
March	7.6	5.3	6.5	3.022	.640	15th	14	7	5	1	2	12	0	2	12	6	2	3	11	14	10	2
April	7.5	6.8	7.2	1.476	.490	30th	11	0	0	0	1	14	0	2	15	25	3	3	4	6	2	0
May	8.3	6.8	7.6	2.568	.520	2nd	19	2	4	3	1	16	0	1	17	8	5	8	5	7	11	0
June	7.8	6.9	7.4	1.126	.550	26th	9	0	1	1	0	13	0	1	18	14	1	6	6	12	0	2
July	7.9	6.8	7.4	1.229	.250	6th	12	0	0	1	0	9	0	4	3	9	0	6	10	26	3	1
August	7.7	6.0	6.9	5.193	.710	31st	24	0	0	3	2	11	0	5	6	7	2	4	16	20	2	0
September	7.5	6.4	7.0	4.714	.658	20th	25	0	0	0	1	11	0	2	4	4	1	12	22	11	1	3
October	6.8	5.7	6.3	3.599	.600	18th	20	0	0	0	2	8	1	0	9	5	9	18	6	9	1	5
November	8.2	6.2	7.2	3.660	.745	18th	22	1	0	0	0	12	0	3	9	13	2	12	9	9	2	1
December	7.8	7.0	7.4	6.635	.965	15th	21	4	3	0	2	16	0	1	6	3	4	18	16	13	1	0
Year	7.8	6.5	7.2	36.437	—	—	203	20	13	9	12	155	1	21	115	104	32	104	147	152	40	15

ROSEWELL.

Heights above Ground:—Barometer, 4 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

		ins.			ins.																		
January	-	5'0	3'6	4'3	1'310	2'200	23rd	16	3	1	0	6	5	1	5	5	0	3	1	18	23	7	0
February	-	4'7	3'2	4'0	0'400	0'80	2, 10	9	0	0	0	8	5	1	0	1	2	0	1	26	21	5	0
March	-	6'5	2'9	4'7	3'800	1'020	16th	16	8	0	0	10	9	6	7	5	9	0	2	8	16	14	1
April	-	6'4	5'3	5'9	1'210	3'360	2nd	13	2	0	0	8	11	0	0	5	16	11	6	10	7	5	0
May	-	7'5	5'5	6'5	1'570	3'380	25th	21	1	0	0	0	11	0	5	18	2	3	2	18	6	8	0
June	-	6'1	4'4	5'3	0'900	2'240	26th	15	0	0	0	4	14	0	1	11	23	1	0	6	16	2	0
July	-	7'1	6'5	6'8	3'690	8'50	22nd	22	0	1	2	0	12	0	3	9	5	1	0	12	28	4	0
August	-	7'8	6'6	7'2	6'280	1'400	21st	31	0	0	1	0	16	2	1	11	1	3	3	21	18	4	0
September	-	6'8	4'5	5'7	6'140	2'850	20th	25	0	0	0	5	7	4	0	5	1	0	0	29	22	3	0
*October	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	-	7'0	4'7	5'9	5'580	5'560	18th	20	0	0	0	3	10	1	2	2	6	1	0	28	17	2	2
December	-	5'1	5'9	5'5	6'050	9'960	15th	20	4	0	0	6	8	3	0	0	1	0	0	31	23	7	0
Year	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

MARCHMONT

Long. 2° 25' W. Lat. 55° 44' N. Height above Mean Sea Level, 498 feet. Gravity Correction, +.028

1891.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.		Min. Day.		Max. Day.										
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.458	34.6	33.1	33.9	29.1	39.7	16.0	18th	47.0	12th	0.8	0.4	0.6	in.	in.	in.	93	95	94
February	29.786	38.0	38.3	38.2	33.3	49.1	23.0	21st	61.0	23rd	1.2	1.2	1.2	204	207	206	89	90	90
March	29.209	36.3	35.2	35.8	30.5	43.0	15.0	9th	56.0	1st	1.5	0.8	1.2	186	190	188	86	92	89
April	29.475	41.2	39.6	40.4	33.6	46.7	25.0	1st	58.0	30th	2.9	1.4	2.2	201	215	208	78	89	84
May	29.236	46.5	43.1	44.8	38.5	53.7	28.0	17th	74.0	12th	3.2	1.6	2.4	244	244	244	78	87	83
June	29.525	55.4	51.9	53.7	46.7	60.9	38.0	9th	70.0	19th	4.0	1.8	2.9	332	339	336	75	88	82
July	29.316	57.5	54.6	56.1	50.2	64.2	44.0	28th	71.0	10th	3.9	1.9	2.9	362	373	368	77	88	83
August	29.141	55.7	52.1	53.9	47.7	61.9	39.0	30th	68.0	19th	2.8	1.5	2.2	366	350	358	82	89	86
September	29.295	55.3	49.6	52.5	44.9	62.1	41.0	8th	78.0	12th	3.0	1.9	2.5	354	308	331	81	87	84
October	29.110	45.9	43.9	44.5	38.7	53.1	30.0	29th	59.0	4th	1.8	1.2	1.5	257	260	259	86	91	89
November	29.230	38.4	38.6	38.5	34.6	45.1	25.0	28th	52.0	19th	0.8	1.1	1.0	216	213	215	93	92	93
December	29.184	35.4	35.3	35.4	31.0	41.8	19.0	25th	53.0	3rd	0.6	0.4	0.5	196	199	198	95	97	96
Year	29.330	44.9	42.9	43.9	38.2	51.8	—	—	—	—	2.2	1.3	1.8	259	257	258	84.4	90.4	87.4

LADYLAW (NEAR HAWICK)

Long. 2° 47' W. Lat. 55° 28' N. Height above Mean Sea Level, 447 feet. Gravity Correction, +.026.

1891.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.		Min. Day.		Max. Day.										
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.506	33.8	33.9	33.9	28.3	39.8	8.9	18th	50.4	12th	1.1	0.8	1.0	182	182	182	88.3	90.4	89.4
February	29.854	37.8	38.9	38.4	33.1	48.4	20.2	9th	60.3	23rd	1.5	1.4	1.5	201	211	206	86.4	87.6	87.0
March	29.263	35.7	34.6	35.2	28.7	42.2	8.0	9th	52.3	2nd	2.2	1.5	1.9	171	175	173	78.2	84.8	81.5
April	29.520	41.3	39.4	40.4	32.6	47.5	18.6	1st	56.8	15th	3.2	2.2	2.7	199	201	200	76.8	82.9	79.9
May	29.274	47.6	44.4	46.0	37.1	54.2	28.8	17th	77.0	12th	3.7	2.5	3.1	250	241	246	75.4	81.9	78.7
June	29.565	56.0	53.1	54.6	47.1	64.2	39.2	10th	76.4	20th	3.5	2.2	2.9	357	352	355	79.1	85.9	82.5
July	29.365	57.9	54.9	56.4	49.3	63.8	41.8	4th	72.0	10th	3.8	2.5	3.2	373	366	370	77.5	84.4	81.0
August	29.182	55.8	53.6	54.7	48.3	61.7	35.2	30th	69.9	18th	2.9	1.8	2.4	366	364	365	81.8	87.9	84.9
September	29.348	54.9	52.9	53.9	46.9	61.3	36.3	23rd	76.9	13th	2.8	1.5	2.2	339	365	362	82.5	90.4	86.5
October	29.152	45.6	44.0	44.8	38.9	52.8	24.3	29th	58.0	6th	1.8	1.1	1.5	270	268	269	87.2	91.9	89.6
November	29.277	38.8	39.3	39.1	34.3	45.4	22.0	27th	52.9	19th	1.1	1.0	1.1	218	223	221	90.6	91.1	90.9
December	29.237	37.0	38.3	37.7	33.2	42.8	19.0	25th	54.2	3rd	1.2	1.3	1.3	201	210	206	89.1	89.4	89.3
Year	29.379	45.2	43.9	44.6	38.2	52.0	—	—	—	—	2.4	1.7	2.1	262	263	263	82.7	87.4	85.1

WOLFELEE

Long. 2° 39' W. Lat. 55° 23' N. Height above Mean Sea Level, 587 feet. Gravity Correction, +.025.

1891.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min. Max.		Min. Day.		Max. Day.										
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.348	33.7	32.5	33.1	26.7	39.5	9.0	18th	48.5	12th	1.1	0.8	1.0	174	172	173	87.5	89.5	88.5
February	29.688	37.3	38.5	37.9	31.7	49.2	22.0	26th	61.5	25th	1.5	1.7	1.6	196	203	200	86.7	85.8	86.3
March	29.104	34.6	33.5	34.1	26.7	42.9	3.0	9th	58.0	1st	1.9	1.4	1.7	169	167	168	81.7	84.6	83.2
April	29.357	40.6	37.4	39.0	30.9	48.8	18.0	1st	59.0	30th	2.9	1.7	2.3	198	191	195	78.2	84.7	81.5
May	29.129	47.8	42.9	45.4	36.1	55.5	27.0	17, 19	78.0	12th	4.0	2.1	3.1	249	235	242	74.5	84.1	79.3
June	29.417	56.6	52.4	54.5	44.0	65.3	33.0	3rd, 8th	78.2	20th	3.6	1.9	2.8	363	348	356	78.7	87.1	82.9
July	29.222	57.9	53.7	55.8	47.5	65.2	39.0	8th	75.2	14th	3.2	1.9	2.6	389	363	376	80.9	87.7	84.3
August	29.045	56.0	53.8	54.9	46.2	62.9	30.0	30th	70.5	18th	2.9	2.1	2.5	370	359	365	82.1	86.5	84.3
September	29.202	54.7	51.9	53.3	45.5	62.3	32.0	23rd	79.0	12th	2.4	1.4	1.9	367	354	361	84.8	90.7	87.8
October	29.009	44.2	42.9	43.6	37.8	52.9	25.0	29th	59.8	4th	1.5	1.3	1.4	262	251	257	88.7	89.7	89.2
November	29.118	38.5	38.9	38.7	33.3	44.4	22.0	23, 27	51.0	2, 19	1.3	1.2	1.3	209	215	212	88.5	89.9	89.2
December	29.073	35.9	36.8	36.4	31.6	42.6	17.0	25th	53.0	3rd	1.2	1.4	1.3	190	193	192	86.6	85.5	86.1
Year	29.226	44.8	42.9	43.9	36.5	52.6	—	—	—	—	2.3	1.6	2.0	261	254	258	83.2	87.2	85.2

MARCHMONT.

Heights above Ground :—Barometer, 2 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	6.5	5.0	5.8	ins. 1.960	ins. .350	26th	20	11	1	0	2	5	4	19	2	2	0	0	3	26	10	0
February	5.2	2.9	4.1	0.210	.090	11th	3	0	0	0	7	3	3	5	0	0	0	0	6	26	5	14
March	7.0	6.1	6.6	4.950	1.930	16th	18	14	1	0	1	11	6	27	5	1	0	2	0	16	5	6
April	7.8	7.3	7.6	1.400	.460	5th	12	3	1	0	0	13	1	7	13	20	5	4	4	3	4	0
May	7.8	6.3	7.1	2.400	.600	28th	15	2	1	1	2	11	4	18	6	18	1	3	4	7	5	0
June	7.4	6.8	7.1	0.710	.220	29th	8	0	0	2	2	11	3	7	14	19	0	0	5	12	3	0
July	8.0	7.7	7.9	2.500	.480	15th	16	0	0	3	2	12	5	15	8	1	1	2	2	23	10	0
August	8.3	8.5	8.4	6.360	1.800	17th	25	0	1	5	0	19	2	9	3	6	0	11	6	23	4	0
September	6.5	6.4	6.5	6.640	2.040	20th	22	0	0	2	3	11	4	3	5	1	1	3	10	30	1	6
October	6.5	5.6	6.1	1.800	.370	8th	16	0	0	0	2	5	2	8	0	6	0	15	3	23	2	5
November	7.6	6.6	7.1	2.820	.540	11th	16	0	0	0	1	15	1	10	1	4	7	9	2	19	3	5
December	5.7	5.1	5.4	4.610	.710	7th	18	3	1	1	8	10	1	5	1	0	0	2	1	36	6	11
Year	7.0	6.2	6.6	36.360	—	—	189	33	6	14	30	126	36	133	58	78	15	51	46	244	58	47

PINMORE

Long. 4° 49' W. Lat. 55° 12' N. Height above Mean Sea Level, 187 feet. Gravity Correction, + .027.

1891.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.811	35.9	35.5	35.7	31.3	41.7	15.0	6th, 7th	51.5	28th	0.9	0.7	0.8	in.	in.	in.	92	94	93
February	30.153	38.7	40.6	39.7	34.0	48.4	19.5	9th	57.0	20th	1.3	1.7	1.5	.210	.218	.214	90	87	89
March	29.591	38.0	34.4	36.2	29.5	46.2	14.5	9th	54.7	1st	2.9	1.6	2.3	.175	.167	.171	76	84	80
April	.784	45.0	38.3	41.7	32.0	50.8	23.4	1st	57.0	30th	4.7	1.8	3.3	.202	.196	.199	68	85	77
May	.580	51.0	44.4	47.7	38.0	57.5	28.0	18th	73.0	12th	4.2	1.7	3.0	.272	.255	.264	73	88	81
June	.833	62.0	55.2	58.6	48.5	67.9	33.0	7th	83.0	25th	3.3	2.7	3.0	.447	.360	.404	81	83	82
July	.684	58.9	54.5	56.7	49.2	64.6	37.0	14th	77.0	14th	3.3	2.1	2.7	.398	.365	.382	80	86	83
August	.484	57.1	53.2	55.2	49.4	62.9	34.5	30th	69.5	5th	2.3	0.9	1.6	.398	.380	.389	85	94	90
September	.658	55.7	52.1	53.9	47.1	61.9	32.5	23rd	75.3	11th	2.6	1.1	1.9	.371	.360	.366	84	92	88
October	.416	44.8	42.5	43.7	37.9	53.9	23.0	27th	59.0	2nd	1.4	0.9	1.2	.264	.252	.258	89	93	91
November	.562	38.1	38.8	38.5	32.9	45.8	21.0	23rd	53.5	1st	0.8	0.7	0.8	.213	.222	.218	93	95	94
December	29.560	39.5	40.6	40.1	35.0	45.2	22.3	22nd	53.0	3rd	1.0	1.4	1.2	.222	.223	.223	92	89	91
Year	29.676	47.1	44.2	45.7	38.7	53.9	—	—	—	—	2.4	1.4	1.9	.281	.266	.274	83.6	89.2	86.4

GLENLEE

Long. 4° 12' W. Lat. 55° 5' N. Height above Mean Sea Level, 203 feet. Gravity Correction, + .026.

1891.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.792	35.2	35.5	35.4	30.9	41.0	15.3	18th	49.0	13th	0.9	1.3	1.1	in.	in.	in.	91	88	90
February	30.132	37.4	38.8	38.1	33.2	47.5	19.0	9th	55.3	20th	1.1	1.0	1.1	.202	.217	.210	91	92	92
March	29.554	38.6	35.3	37.0	30.4	44.4	12.3	9th	54.5	2nd	2.5	1.6	2.1	.187	.176	.182	80	85	83
April	.765	43.4	39.0	41.2	32.5	49.6	21.5	1st	56.5	17th	4.3	1.9	3.1	.195	.201	.198	70	85	78
May	.544	49.6	44.4	47.0	38.2	56.9	26.0	18th	74.0	12th	4.4	2.3	3.4	.253	.242	.248	71	83	77
June	.810	59.9	55.9	57.9	52.3	66.6	39.0	7th	81.0	20th	4.9	3.1	4.0	.370	.362	.366	71	81	76
July	.646	59.4	55.1	57.3	49.4	64.9	42.0	14th	73.5	14th	4.5	2.7	3.6	.373	.358	.366	74	82	78
August	.453	57.4	54.2	55.8	49.2	62.6	34.0	30th	68.9	16th	3.0	1.7	2.4	.384	.372	.378	81	89	85
September	.629	55.0	51.9	53.5	45.4	61.6	31.0	23rd	75.0	13th	2.8	1.3	2.1	.354	.352	.353	82	91	87
October	.404	45.9	43.6	44.8	37.9	53.3	25.0	29th	58.0	4th	1.6	0.8	1.2	.273	.266	.270	89	93	91
November	.536	39.8	40.1	40.0	34.1	45.6	23.2	27th	52.5	1st	0.9	0.8	0.9	.227	.231	.229	93	93	93
December	29.526	38.9	40.2	39.6	34.6	44.5	24.0	22nd	56.0	3rd	1.1	0.9	1.0	.216	.230	.223	92	92	92
Year	29.649	46.7	44.5	45.6	39.0	53.2	—	—	—	—	2.7	1.6	2.2	.269	.266	.268	82.1	87.8	85.0

CARGEN

Long. 3° 37' W. Lat. 55° 2' N. Height above Mean Sea Level, 72 feet. Gravity Correction, + .027.

1891.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.958	35.7	36.1	35.9	30.7	41.7	17.0	18th	49.0	12th	1.0	1.0	1.0	.192	.194	.193	91	91	91
February	30.305	38.5	41.0	39.8	33.5	48.9	23.0	9th	58.4	23rd	1.0	1.6	1.3	.213	.223	.218	92	87	90
March	29.714	38.3	36.7	37.5	31.0	45.4	11.0	9th	54.2	1st	2.1	1.5	1.8	.191	.189	.190	83	87	85
April	.917	44.3	41.6	43.0	34.0	50.1	24.6	1st	56.8	30th	3.3	2.3	2.8	.221	.216	.219	75	82	79
May	.703	50.8	46.8	48.8	39.0	57.4	26.0	18th	75.6	12th	4.1	2.4	3.3	.272	.264	.268	73	83	78
June	.962	60.3	56.3	58.3	48.1	67.8	35.0	11th	81.8	20th	4.5	3.2	3.9	.387	.364	.376	74	80	77
July	.786	60.5	56.8	58.7	50.4	66.1	45.0	31st	74.8	14th	3.8	2.3	3.1	.409	.394	.402	78	85	82
August	.609	58.5	55.7	57.1	49.4	63.9	38.8	30th	69.4	3rd	2.8	1.8	2.3	.406	.393	.400	82	88	85
September	.768	56.4	54.9	55.7	47.6	62.8	35.4	23rd	79.0	13th	2.2	1.5	1.9	.391	.388	.390	86	91	89
October	.550	47.0	46.2	46.6	40.1	54.3	27.8	29th	59.0	5th	1.4	1.4	1.4	.289	.281	.285	90	91	91
November	.676	40.5	41.3	40.9	34.9	46.9	23.0	27th	55.4	2nd	1.2	1.0	1.1	.226	.239	.233	90	92	91
December	29.671	39.1	40.3	39.7	34.3	44.9	22.4	22nd	53.6	4th	1.2	1.1	1.2	.215	.227	.221	90	92	91
Year	29.802	47.5	46.1	46.8	39.4	54.2	—	—	—	—	2.4	1.8	2.1	.284	.281	.283	83.7	87.4	85.6

PINMORE

Heights above Ground:—Barometer, 3 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	7.7	7.3	7.5	ins. 3.600	ins. .720	20th	21	5	0	0	1	16	0	0	1	2	1	4	7	5	7	35	
February -	7.5	6.2	6.9	0.500	.200	28th	10	0	0	0	5	16	0	0	0	9	3	4	0	4	2	34	
March -	6.3	4.9	5.6	3.300	.480	15th	17	4	3	0	8	11	0	14	4	1	4	3	1	2	4	29	
April -	7.0	4.9	6.0	2.010	.700	3rd	11	1	0	0	2	10	3	1	1	7	10	6	0	1	3	31	
May -	7.5	7.0	7.3	2.600	.590	7th	16	2	2	0	1	14	0	5	0	1	0	6	3	3	2	42	
June -	5.8	5.9	5.9	1.030	.370	2nd	9	0	0	1	9	14	0	0	6	0	16	2	1	1	0	34	
July -	8.5	8.2	8.4	1.740	.270	6th	15	0	0	0	0	19	1	8	0	0	0	8	4	2	2	38	
August -	8.9	8.5	8.7	8.030	1.030	24th	26	0	0	2	0	20	2	0	0	0	0	9	4	6	2	41	
September	7.6	7.2	7.4	4.560	.880	5th	19	0	0	1	2	16	3	0	0	1	5	7	3	5	4	35	
October -	7.0	5.0	6.0	9.180	1.330	5th	21	0	0	1	4	11	6	0	0	1	4	9	6	7	2	33	
November	7.4	8.4	7.9	5.160	.670	28th	21	1	1	0	0	17	2	0	0	2	0	2	3	1	0	52	
December	8.3	8.7	8.5	7.110	1.000	12th	23	2	0	0	0	21	4	0	0	0	10	4	8	4	8	28	
Year -	7.5	6.9	7.2	48.820	—	—	209	15	6	5	32	185	21	28	12	24	53	64	40	41	36	432	

GLENLEE

Heights above Ground:—Barometer, 3 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 3 inches.

1891.	Amount of Cloud.		
-------	------------------	--	--

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DURHAM

Long. 1° 35' W. Lat. 54° 46' N. Height above Mean Sea Level, 336 feet. Gravity Correction, + .025.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins. 29° 6' 45"	33° 5'	34° 5'	34° 0'	28° 9'	40° 2'	8° 9'	18th	48° 4'	29th	1° 1'	1° 4'	1° 3'	in. 174	in. 174	in. 174	% 86·8	% 84·4	% 85·6	
February	° 989	36° 9'	39° 3'	38° 1'	32° 0'	48° 7'	23° 0'	20th	59° 2'	15th	1° 2'	1° 3'	1° 3'	198	218	208	88·2	90·2	89·2	
March	° 362	38° 2'	36° 1'	37° 2'	31° 8'	44° 1'	15° 2'	10th	62° 3'	1st	2° 3'	1° 5'	1° 9'	187	187	187	79·3	85·9	82·6	
April	° 625	42° 3'	39° 3'	40° 8'	34° 2'	48° 0'	27° 1'	1st	62° 8'	30th	2° 3'	1° 0'	1° 7'	225	224	225	83° 7'	92° 5'	88° 1'	
May	° 391	49° 5'	43° 7'	46° 6'	38° 4'	55° 7'	22° 8'	18th	74° 0'	13th	3° 0'	1° 2'	2° 1'	285	261	273	80° 2'	90° 7'	85° 5'	
June	° 672	57° 0'	53° 0'	55° 0'	47° 9'	64° 6'	39° 5'	3rd	77° 4'	19th	3° 3'	1° 7'	2° 5'	376	362	369	80° 8'	88° 9'	84° 9'	
July	° 485	59° 7'	55° 4'	57° 6'	51° 0'	67° 1'	45° 6'	28th	77° 4'	17th	3° 9'	2° 0'	3° 0'	395	384	390	77° 3'	87° 0'	82° 2'	
August	° 310	57° 1'	54° 4'	55° 8'	50° 0'	64° 2'	41° 1'	1st	73° 1'	14th	2° 7'	1° 6'	2° 2'	389	380	385	82° 9'	89° 3'	86° 1'	
September	° 491	57° 4'	54° 5'	56° 0'	48° 4'	63° 6'	40° 5'	8th	78° 1'	10th	2° 9'	2° 1'	2° 5'	390	370	380	82° 3'	85° 7'	84° 0'	
October	° 395	46° 5'	46° 3'	46° 4'	40° 8'	54° 2'	28° 6'	31st	60° 8'	4th	1° 3'	1° 5'	1° 4'	290	282	286	90° 5'	89° 0'	89° 8'	
November	° 410	40° 1'	40° 4'	40° 3'	36° 3'	45° 5'	25° 5'	28th	53° 0'	19th	1° 1'	1° 3'	1° 2'	229	228	229	90° 6'	89° 8'	90° 2'	
December	29° 40' 1"	35° 0'	36° 6'	35° 8'	31° 2'	42° 2'	14° 4'	25th	56° 6'	3rd	1° 1'	1° 1'	1° 1'	189	201	195	89° 6'	89° 8'	89° 7'	
Year	29° 50' 7"	46° 1'	44° 5'	45° 3'	39° 2'	53° 2'	—	—	—	—	2° 2'	1° 5'	1° 9'	277	273	275	84° 4'	88° 6'	86° 5'	

NEWTON REIGNY

Long. 2° 48' W. Lat. 54° 41' N. Height above Mean Sea Level, 579 feet. Gravity Correction, + .024.

Mean Sea Level, 575 feet. Gravity Correction, +.024.																			
	ins.													in.	in.	in.	%	%	%
January	29.409	33.2	33.7	33.5	28.4	39.6	13.0	18th	47.7	29th	0.5	0.7	0.6	.185	.184	.185	94.1	91.4	92.8
February	.744	36.5	39.5	38.0	32.2	50.1	23.0	9th	63.1	24th	1.0	1.3	1.2	.200	.220	.210	90.8	89.6	90.2
March	.139	35.8	35.6	35.7	30.7	43.4	16.1	9th	57.1	1st	1.1	0.9	1.0	.193	.194	.194	90.1	90.7	90.4
April	.358	40.8	39.5	40.2	32.7	48.2	22.1	1st	60.1	30th	2.0	1.1	1.6	.216	.222	.219	84.5	91.5	88.0
May	.146	47.3	44.4	45.9	39.1	55.5	24.1	18th	72.0	12th	2.2	1.1	1.7	.278	.271	.275	85.0	92.0	88.5
June	.423	58.2	53.8	56.0	45.8	66.1	31.8	11th	77.8	20th	3.3	1.3	2.3	.377	.388	.383	81.0	91.4	86.2
July	.256	56.5	54.2	55.4	49.4	64.3	44.5	19th	73.0	17th	2.0	0.9	1.5	.401	.398	.400	87.7	94.0	90.9
August	.079	55.9	54.3	55.1	49.1	62.1	38.7	30th	68.0	18th	2.4	1.5	2.0	.380	.381	.381	85.0	90.1	87.6
September	.250	54.9	53.0	54.0	47.2	62.3	36.0	23rd	79.9	12th	1.8	1.3	1.6	.384	.372	.378	88.8	91.4	90.1
October	.040	45.8	44.6	45.2	39.3	52.8	25.5	31st	59.9	5th	1.0	0.8	0.9	.291	.281	.286	92.7	93.9	93.3
November	.154	39.2	38.9	39.1	34.0	44.7	21.2	27th	55.8	1st	0.5	0.5	0.5	.233	.232	.233	95.5	96.3	95.9
December	29.159	36.1	37.5	36.8	31.8	42.6	17.2	25th	54.5	3rd	0.6	0.5	0.6	.209	.221	.215	94.6	95.5	95.1
Year	29.263	45.0	44.1	44.6	38.3	52.6	—	—	—	—	1.5	1.0	1.3	.279	.280	.280	89.2	92.3	90.8

ROUNTON

Long. 1° 18' W. Lat. 54° 24' N. Height above Mean Sea Level, 249 feet. Gravity Correction, + .025.

Height above Mean Sea Level, 245 feet. Gravity Correction, +.025.																			
	ins.													in.	in.	in.	%	%	%
January	29.776	32.6	33.0	32.8	27.3	39.6	0.6	18th	48.8	27th	—	—	—	—	—	—	—	—	—
February	30.117	37.4	39.6	38.5	32.1	47.5	21.7	26th	57.8	27th	—	—	—	—	—	—	—	—	—
March	29.489	37.8	35.6	36.7	30.8	43.4	12.0	9th	56.5	1st	—	—	—	—	—	—	—	—	—
April	7.28	42.3	38.6	40.5	32.8	47.7	22.7	1st	61.5	30th	1.9	0.8	1.4	230	218	224	85	93	89
May	50.4	49.1	43.8	46.4	37.8	54.4	24.2	18th	70.8	12, 13	1.7	0.5	1.1	305	274	290	87	96	92
June	7.81	56.0	52.9	54.5	47.6	63.8	37.1	10th	74.3	26th	2.6	1.8	2.2	373	352	362	83	88	85
July	60.6	58.4	54.7	56.5	49.7	64.3	43.3	28th	74.5	17th	3.5	1.4	2.4	384	386	385	79	90	85
August	44.0	56.2	53.7	55.0	49.3	61.5	41.0	1st	69.0	14th	2.4	1.5	2.0	381	370	376	84	90	87
September	62.2	56.6	54.3	55.4	48.5	63.0	41.3	15th	79.1	11th	2.5	2.1	2.3	385	362	373	84	86	85
October	43.1	47.8	46.7	47.3	41.3	53.6	26.9	31st	60.3	9th	1.8	1.7	1.7	288	278	283	86	87	86
November	52.9	40.6	40.7	40.6	35.7	45.4	26.2	27th	55.3	2nd	1.1	1.2	1.2	230	228	229	91	90	91
December	29.535	35.4	36.4	35.9	31.1	42.5	13.3	23rd	52.1	5th	—	—	—	—	—	—	—	—	—
Year	29.630	45.9	44.2	45.0	38.7	52.2	—	—	—	—	—	—	—	—	—	—	—	—	—

MONTHLY SUMMARIES.—DURHAM—NEWTON REIGNY—ROUNTON.

DURHAM.

Heights above Ground:—Barometer, 16 feet. Thermometers, 4 feet 8 inches. Rain-gauge, 3 feet 11 inches.

Heights above ground: — Barometer, 16 feet. — Anemometer, 1 foot. — Rain gauge, 6 feet 11 inches.																						
1891,	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	7.1	7.1	7.1	ins. 1.011	ins. 226	15th	16	10	1	0	1	11	0	3	2	0	0	11	10	8	7	21
February	7.1	6.1	6.6	0.079	019	13th	4	1	0	0	2	9	1	0	0	0	0	12	12	8	4	20
March	7.5	6.3	6.9	2.716	685	15th	22	16	1	0	4	13	4	13	6	0	0	1	8	12	9	13
April	9.2	8.1	8.7	1.654	560	7th	20	2	1	0	0	20	0	5	13	11	4	3	2	2	2	18
May	8.4	8.3	8.4	1.448	363	25, 26	14	2	2	5	0	20	0	5	8	3	1	5	4	3	8	25
June	9.4	8.4	8.9	0.160	033	15th	9	0	0	1	0	21	0	3	17	2	1	4	5	3	4	21
July	9.0	8.1	8.6	4.187	876	22nd	16	0	0	8	0	18	0	7	4	0	0	3	6	4	10	28
August	9.3	8.7	9.0	4.999	991	21st	22	0	1	5	0	25	0	5	3	0	1	7	12	6	3	25
September	7.3	6.1	6.7	1.860	353	22nd	13	0	0	0	2	11	1	1	2	0	0	7	15	8	2	25
October	8.3	7.0	7.7	1.925	343	6th	21	0	2	0	2	17	0	0	2	0	1	17	10	1	0	31
November	7.5	8.1	7.8	2.244	718	10th	20	2	0	0	3	20	0	2	4	1	3	12	8	2	3	25
December	7.0	6.4	6.7	2.259	632	7th	19	2	0	0	4	16	0	1	0	1	0	13	12	11	2	22
Year	8.1	7.4	7.8	24.542	—	—	196	35	8	19	18	201	6	45	61	18	11	95	104	68	54	274

NEWTON REIGNY.

Heights above Ground:—Barometer, —2 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

				ins.	ins.																		
January -	-	7.1	6.0	6.6	2.720	.690	20th	14	7	1	0	3	14	1	4	1	2	9	9	8	7	3	19
February -	-	6.0	4.0	5.0	0.240	.100	3rd	7	0	0	0	7	7	0	0	0	3	6	2	10	7	2	26
March -	-	7.0	6.3	6.7	1.860	.420	15th	16	12	0	1	4	15	3	14	3	3	4	0	8	12	8	10
April -	-	7.6	7.0	7.3	1.610	.420	2nd	12	1	1	0	2	15	0	5	7	5	19	4	0	5	1	14
May -	-	7.8	7.1	7.5	1.360	.250	19th	18	1	3	1	1	16	0	9	10	5	12	4	3	3	5	11
June -	-	6.7	5.6	6.2	1.780	.530	29th	11	0	0	1	3	11	0	4	10	7	11	5	11	5	1	6
July -	-	8.3	7.9	8.1	5.700	1.520	7th	16	0	0	3	0	18	0	5	1	2	1	7	7	18	8	13
August -	-	8.9	7.2	8.1	6.460	1.230	25th	25	0	0	0	0	16	1	3	3	2	5	5	13	9	4	18
September	-	7.5	6.4	7.0	5.550	1.040	20th	20	0	0	0	2	14	1	3	1	0	4	5	20	6	3	18
October -	-	6.7	5.0	5.9	5.280	.920	14th	21	0	0	1	6	9	1	0	2	3	12	16	8	5	0	16
November	-	8.4	7.0	7.7	4.570	.770	10th	20	1	0	0	1	16	0	0	3	4	12	6	8	5	1	21
December	-	6.5	6.7	6.6	7.690	1.060	9th	23	2	1	0	3	14	1	1	0	2	9	8	8	14	3	17
Year	-	7.4	6.4	6.9	44.820	—	—	203	24	6	7	32	165	8	48	41	38	104	71	104	96	39	189

AYSGARTH

Long. 1° 58' W. Lat. 54° 18' N. Height above Mean Sea Level, 658 feet till February, then 646 feet. Gravity Correction, +.023.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January -	ins.	29° 33.5	33° 5	33° 5	33° 5	28° 3	39° 5	7° 9	18th	48° 5	29th	1° 4	1° 4	1° 4	in.	in.	in.	%	%	%	
February -	.682	37° 8	37° 7	37° 8	32° 9	46° 8	19° 0	20th	61° 0	19th	1° 6	1° 3	1° 5	1° 167	1° 166	1° 167	83° 8	82° 6	83° 2		
March -	.055	37° 2	35° 1	36° 2	31° 4	42° 0	18° 9	9th	51° 7	1st	2° 6	1° 7	2° 2	1° 175	1° 173	1° 174	85° 9	88° 3	87° 1		
April -	.285	40° 7	38° 3	39° 5	33° 5	46° 4	24° 8	1st	57° 0	30th	3° 0	1° 9	2° 5	1° 199	1° 197	1° 198	76° 7	82° 2	79° 5		
May -	29° 07.1	48° 1	43° 7	45° 9	38° 9	54° 6	23° 5	18th	76° 5	12th	4° 0	2° 2	3° 1	2° 250	2° 241	2° 246	78° 6	85° 1	81° 9		
June -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
July -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
August -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
September	29° 19.5	56° 8	53° 4	55° 1	48° 3	63° 2	41° 2	8th	80° 5	10th	3° 3	2° 1	2° 7	3° 374	3° 356	3° 365	80° 4	86° 4	83° 4		
October -	28° 99.3	47° 5	45° 5	46° 5	40° 7	53° 3	29° 4	31st	59° 2	3rd	2° 2	1° 9	2° 1	2° 278	2° 264	2° 271	84° 4	86° 2	85° 3		
November	29° 09.7	40° 1	39° 8	40° 0	35° 9	44° 4	26° 2	30th	53° 0	18th	1° 4	1° 5	1° 5	1° 222	1° 218	1° 220	88° 1	87° 7	87° 9		
December	29° 09.4	36° 7	38° 0	37° 4	32° 6	43° 7	18° 2	25th	55° 0	3rd	1° 6	1° 6	1° 6	1° 191	1° 203	1° 197	84° 4	85° 0	84° 7		
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

SCARBOROUGH

Long. 0° 23' W. Lat. 54° 17' N. Height above Mean Sea Level, 159 feet. Gravity Correction, +.025.

	ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CRONKBORNE (DOUGLAS) ISLE OF MAN

Long. 4° 29' W. Lat. 54° 10' N. Height above Mean Sea Level, 137 feet. Gravity Correction, +.024.

	ins.												in.	in.	in.	%	%	%	
January -	29.907	40.1	39.1	39.6	34.6	43.3	23.0	8th	48.6	23rd	1.6	1.8	1.7	.218	.207	.213	86.0	84.3	85.2
February -	30.241	43.1	42.0	42.6	36.4	48.1	28.6	27th	54.8	24th	1.4	1.4	1.4	.249	.240	.245	89.2	89.0	89.1
March -	29.656	42.1	39.0	40.6	34.9	45.4	25.0	12th	55.4	1st, 2nd	2.8	1.8	2.3	.213	.205	.209	78.8	85.1	89.1
April -	.829	44.5	42.2	43.4	37.0	48.6	26.0	1st	55.5	30th	2.4	1.9	2.2	.242	.231	.237	82.5	85.8	82.0
May -	.633	50.3	46.1	48.2	40.8	55.0	28.0	18th	72.0	12th	3.0	2.4	2.7	.294	.262	.278	80.4	83.7	82.1
June -	.881	58.7	54.3	56.5	49.7	63.8	37.4	6th	74.9	20th	3.4	1.9	2.7	.398	.374	.386	80.6	88.0	84.3
July -	.752	59.1	54.9	57.0	51.0	62.8	47.0	5th	71.8	14th	2.9	1.3	2.1	.414	.395	.405	82.8	91.5	87.2
August -	.555	57.8	55.0	56.4	50.7	61.9	40.0	30th	67.5	7th	1.9	0.9	1.4	.424	.409	.417	88.3	93.9	91.1
September	.738	57.7	54.5	56.1	49.4	61.2	38.8	3rd	75.7	12th	2.1	1.6	1.9	.416	.384	.400	87.2	89.8	88.5
October -	.491	51.0	48.0	49.5	42.8	54.0	31.5	30th	58.2	4th	2.1	1.8	2.0	.322	.295	.309	86.0	87.4	86.7
November	.622	45.3	43.1	44.2	38.3	48.7	29.0	23rd	53.4	18th	1.5	1.2	1.4	.272	.256	.264	89.2	91.3	90.3
December	29.645	43.0	44.2	43.6	38.7	47.4	26.7	22nd	53.6	3rd	1.5	1.3	1.4	.251	.264	.258	88.6	90.4	89.5
Year -	29.746	49.4	46.9	48.2	42.0	53.4	—	—	—	—	2.2	1.6	1.9	.309	.294	.302	85.0	88.4	86.7

AYSGARTH.

Heights above Ground:—Barometer, 0 feet till February, then 12 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	6.1	4.8	5.5	ins. 2.910	ins. .900	20th	18	10	0	0	5	8	3	6	6	1	0	0	20	11	7	11
February	-	5.1	5.1	5.1	0.090	.030	3, 13	4	1	1	0	8	9	1	1	6	0	0	0	6	18	8	17
March	-	5.8	5.6	5.7	2.090	.390	15th	24	17	2	1	5	9	8	6	11	7	0	1	4	17	11	5
April	-	7.4	6.1	6.8	3.850	.950	4th	19	5	5	0	2	11	0	3	13	16	5	4	2	5	3	9
May	-	6.5	5.2	5.9	2.780	.410	1st	20	2	1	3	4	11	2	3	12	9	1	2	7	7	9	12
June	-	—	—	—	1.540	.500	25th	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
July	-	—	—	—	*4.590	1.070	6th	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	-	—	—	—	*5.800	.950	25th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	-	5.8	4.4	5.1	3.300	.700	1st	16	0	0	0	6	7	3	3	2	0	0	1	20	14	2	18
October	-	6.2	5.0	5.6	4.740	.790	14th	21	0	1	2	2	4	4	0	6	0	4	6	17	8	3	18
November	-	7.6	6.8	7.2	4.040	.890	10th	19	2	0	0	2	12	1	3	11	4	2	1	12	12	5	10
December	-	5.2	4.5	4.9	7.040	1.560	9th	20	4	2	1	9	7	5	2	1	1	1	1	19	17	8	12
Year	-	—	—	—	42.770	—	—	201	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

YORK -

Long. 1° 5' W. Lat. 53° 57' N. Height above Mean Sea Level, 51 feet. Gravity Correction, +.024.

1891.	Mean Pressure at 32° Fah.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 30.021	33.1	34.8	34.0	28.9	40.1	9.6	18th	53.0	29th	0.7	0.9	0.8	in. 1.74	in. 1.84	in. 1.79	92	91	92
February	30.368	36.6	40.1	38.4	32.5	47.6	20.0	26th	56.0	28th	1.2	1.4	1.3	1.94	2.19	2.07	90	89	90
March	29.719	39.1	37.6	38.4	32.0	45.6	15.0	11th	57.0	1st	2.2	1.8	2.0	1.96	1.91	1.94	82	84	83
April	.948	42.8	41.3	42.1	34.7	49.9	22.0	1st	59.7	30th	2.7	2.1	2.4	2.19	2.17	2.18	80	84	82
May	.725	50.9	46.5	48.7	39.9	56.9	24.3	18th	75.5	13th	4.3	2.2	3.3	2.69	2.66	2.68	73	84	79
June	.994	59.6	56.1	57.9	48.0	66.7	38.0	10th	75.3	24th	4.5	3.1	3.8	3.76	3.64	3.70	74	80	77
July	.826	60.3	57.8	59.1	50.6	66.4	40.0	27th	77.6	17th	4.5	3.0	3.8	3.87	3.91	3.89	71	82	78
August	.670	58.1	56.4	57.3	50.5	63.8	41.0	30th	69.0	14th	3.0	2.0	2.5	3.95	3.96	3.96	81	87	84
September	.863	56.7	56.8	56.8	49.1	65.4	42.3	3rd	79.9	13th	2.9	2.9	2.9	3.76	3.77	3.77	82	81	82
October	.666	48.2	47.9	48.1	42.1	55.2	31.3	31st	62.0	4th, 5th	1.8	1.9	1.9	2.93	2.86	2.90	88	87	88
November	.762	41.0	41.5	41.3	36.9	46.1	27.0	28th	55.0	19th	0.8	1.1	1.0	2.39	2.39	2.39	94	91	93
December	29.788	36.2	38.2	37.2	32.0	43.1	13.0	23rd	58.4	3rd	1.0	1.0	1.0	1.95	2.10	2.03	91	92	92
Year	29.863	46.9	46.3	46.6	39.8	53.9	—	—	—	—	2.5	2.0	2.3	2.76	2.78	2.77	83.4	86.0	84.7

STONYHURST

Long. 2° 28' W. Lat. 53° 51' N. Height above Mean Sea Level, 375 feet. Gravity Correction, +.023.

1891.	ins.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.685	34.3	34.7	34.5	30.2	39.6	11.6	19th	49.6	29th	1.5	1.3	1.4	in. 1.72	in. 1.76	in. 1.74	83.0	84.0	83.5
February	30.025	38.1	39.9	39.0	34.7	46.9	26.0	20th	53.6	27th	1.6	1.7	1.7	2.01	2.14	2.08	86.2	86.4	86.3
March	29.397	38.4	36.8	37.6	32.8	43.2	23.3	12th	50.6	2nd	2.8	2.0	2.4	1.82	1.82	1.82	77.3	81.3	79.3
April	.596	42.6	40.7	41.7	35.4	48.0	29.9	1st, 18th	54.9	30th	3.1	2.8	3.0	2.11	2.02	2.07	77.5	79.1	78.3
May	.383	49.3	46.0	47.7	41.0	55.0	26.0	18th	71.7	12th	3.8	2.4	3.1	2.66	2.60	2.63	75.1	82.9	79.0
June	.649	58.7	55.5	57.1	49.8	65.7	37.3	11th	76.1	25th	4.2	3.2	3.7	3.76	3.59	3.68	75.8	80.7	78.3
July	.507	59.0	56.0	57.5	51.5	64.1	47.2	5th	75.0	17th	4.2	2.8	3.5	3.77	3.72	3.75	75.5	82.5	79.0
August	.338	56.5	55.3	55.9	51.2	61.3	46.2	1st	66.3	18th	2.8	2.1	2.5	3.79	3.79	3.79	82.6	86.5	84.6
September	.528	56.5	55.0	55.8	50.2	62.2	44.7	7th, 21st	76.3	10th	2.9	2.6	2.8	3.77	3.66	3.72	82.0	83.6	82.8
October	.303	47.5	47.0	47.3	42.9	53.4	31.6	25th	59.7	4th	2.0	2.0	2.0	2.85	2.78	2.82	86.4	85.9	86.2
November	.410	41.0	41.0	41.0	37.5	45.6	25.5	27th	53.1	19th	1.4	1.6	1.5	2.30	2.27	2.29	88.4	87.2	87.8
December	29.441	37.5	38.9	38.2	34.1	43.5	15.0	25th	55.6	3rd	1.3	1.3	1.3	2.03	2.17	2.10	86.1	87.5	86.8
Year	29.522	46.6	45.6	46.1	40.9	52.4	—	—	—	—	2.6	2.2	2.4	2.72	2.69	2.71	81.3	84.0	82.7

WAKEFIELD

Long. 1° 30' W. Lat. 53° 41' N. Height above Mean Sea Level, 96 feet. Gravity Correction, +.023.

1891.	ins.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.986	34.6	35.4	35.0	29.3	41.2	7.3	19th	56.7	29th	1.0	1.4	1.2	in. 1.80	in. 1.79	in. 1.80	90	86	88
February	30.323	35.4	37.9	36.7	32.9	46.1	21.2	25th	59.8	15th	1.0	0.9	1.0	1.86	2.10	1.98	90	92	91
March	29.682	38.3	38.1	38.2	33.7	44.8	21.2	11th	56.3	2nd	1.9	1.5	1.7	1.94	1.99	1.96	84	87	86
April	.896	41.7	41.3	41.5	34.8	49.3	26.3	26th	60.6	30th	2.3	2.0	2.1	2.16	2.18	2.17	82	84	83
May	.681	49.1	46.8	47.9	40.7	56.4	24.2	18th	74.4	12th	2.8	2.4	2.6	2.79	2.64	2.72	80	82	81
June	.949	57.3	56.0	56.7	49.8	65.8	40.3	10th	75.2	26th	3.3	2.5	2.9	3.73	3.75	3.74	79	84	81
July	.790	59.7	57.1	58.4	51.8	66.1	44.7	5th	78.4	17th	3.7	2.3	3.0	4.00	3.99	3.99	78	85	82
August	.633	57.4	55.5	56.4	51.9	63.2	43.3	30th	70.4	18th	2.6	1.8	2.2	3.94	3.88	3.91	83	88	85
September	.822	56.6	55.0	55.8	49.3	65.0	39.0	24th	80.6	10th	2.7	2.1	2.4	3.79	3.73	3.76	83	86	85
October	.617	47.6	47.3	47.5	41.2	55.2	30.2	25th	61.4	4th, 9th	1.8	1.9	1.9	2.86	2.80	2.83	87	86	86
November	.722	41.1	41.6	41.3	36.4	46.6	25.2	30th	57.7	19th	1.1	1.4	1.2	2.34	2.33	2.34	91	89	90
December	29.747	36.4	38.7	37.6	32.8	43.6	10.7	23rd	58.5	3rd	1.3	1.3	1.3	1.89	2.09	1.99	88	89	89
Year	29.821	46.3	45.9	46.1	40.4	53.6	—	—	—	—	2.1	1.8	2.0	2.76	2.77	2.77	84.6	86.5	85.6

YORK.

Heights above Ground:—Barometer, 2 feet. Thermometers, 4 feet 3 inches. Rain-gauge, 1 foot 9 inches.

1891.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	5.9	4.3	5.1	ins. 0.850	ins. 1.50	24th	15	8	0	0	6	6	0	17	0	2	2	21	4	13	2	1	
February	-	6.3	5.8	6.1	0.080	0.070	28th	2	0	0	0	5	9	0	3	1	0	11	11	5	19	3	3	
March	-	5.7	6.3	6.0	1.090	2.50	10th	21	9	0	0	2	6	2	17	5	9	3	2	1	18	7	0	
April	-	7.3	5.5	6.4	2.180	6.00	4th	19	1	1	0	5	12	0	9	12	20	3	2	0	8	4	2	
May	-	5.9	5.3	5.6	1.870	3.20	25th	17	1	3	3	6	8	0	14	6	11	3	8	6	9	5	0	
June	-	6.4	4.9	5.7	0.710	2.60	4th	7	0	0	0	3	6	0	13	11	12	1	7	3	10	3	0	
July	-	6.4	6.5	6.5	2.730	6.00	22nd	15	0	0	3	2	6	0	10	3	3	1	9	4	23	9	0	
August	-	7.3	7.3	7.3	4.410	6.80	13th	26	0	0	1	0	13	1	5	2	2	4	15	8	21	4	1	
September	-	5.8	5.0	5.4	1.190	3.00	19th	18	0	0	0	6	6	1	2	2	4	4	19	11	14	4	0	
October	-	6.2	5.6	5.9	3.330	7.40	13th	19	0	0	0	2	8	0	5	5	4	9	21	11	2	3	2	
November	-	7.9	5.8	6.9	2.580	5.10	10th	20	0	0	0	2	13	1	9	6	4	8	17	6	4	4	2	
December	-	7.5	6.7	7.1	2.740	5.40	12th	19	1	0	0	2	15	2	1	1	2	4	21	10	17	0	6	
Year	-	6.6	5.8	6.2	23.760	—	—	198	20	4	7	41	108	7	105	54	73	53	153	69	158	48	17	

PRESTWICH

Long. 2° 17' W. Lat. 53° 32' N. Height above Mean Sea Level, 294 feet. Gravity Correction, +.022.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 29° 734	34° 0	34° 5	34° 3	30° 1	39° 4	15° 8	19th	49° 1	29th	1° 1	1° 0	1° 1	in.	in.	in.	% 87° 4	% 89° 6	% 88° 5
February -	30° 065	39° 0	41° 0	40° 0	35° 1	48° 4	25° 3	20th	57° 9	27th	1° 5	1° 7	1° 6	° 177	° 183	° 180	87° 4	86° 9	87° 2
March -	29° 444	38° 9	37° 4	38° 2	33° 5	44° 3	21° 0	12th	54° 6	2nd	2° 6	1° 7	2° 2	° 190	° 192	° 191	79° 1	84° 0	81° 6
April -	° 632	43° 2	41° 4	42° 3	35° 8	49° 2	29° 6	1st	58° 7	30th	3° 3	2° 4	2° 9	° 214	° 214	° 214	77° 0	81° 8	79° 4
May -	° 425	49° 4	47° 1	48° 3	41° 5	55° 6	30° 2	17, 18	72° 8	12th	3° 6	2° 4	3° 0	° 272	° 272	° 272	76° 9	83° 3	80° 1
June -	° 684	58° 6	55° 6	57° 1	50° 0	66° 1	36° 6	11th	74° 5	24, 25	4° 1	2° 6	3° 4	° 378	° 375	° 377	76° 5	83° 9	80° 2
July -	° 554	58° 7	56° 1	57° 4	51° 6	64° 4	46° 6	5th	76° 8	17th	3° 9	2° 3	3° 1	° 382	° 385	° 384	77° 7	85° 3	81° 5
August -	° 388	56° 8	55° 6	56° 2	51° 1	62° 3	42° 3	30th	68° 2	18th	2° 8	1° 9	2° 4	° 383	° 391	° 387	83° 2	88° 2	85° 7
September	° 579	58° 0	55° 4	56° 7	50° 2	64° 1	42° 7	3rd	80° 3	11th	3° 1	2° 1	2° 6	° 394	° 382	° 388	81° 5	86° 1	83° 8
October -	° 356	48° 4	47° 8	48° 1	43° 0	54° 6	32° 1	25th	61° 5	9th	1° 7	1° 7	1° 7	° 299	° 294	° 297	87° 6	87° 9	87° 8
November	° 458	41° 5	41° 5	41° 5	37° 7	46° 1	28° 6	27, 30	54° 7	18, 19	1° 2	1° 3	1° 3	° 240	° 239	° 240	90° 4	90° 7	90° 6
December	29° 497	38° 4	39° 8	39° 1	34° 3	44° 6	16° 0	25th	54° 8	3rd	1° 2	1° 0	1° 1	° 215	° 231	° 223	89° 4	90° 0	89° 7
Year -	29° 568	47° 1	46° 1	46° 6	41° 2	53° 3	—	—	—	—	2° 5	1° 8	2° 2	° 279	° 282	° 281	82° 8	86° 5	84° 7

LIVERPOOL

Long. 3° 4' W. Lat. 53° 24' N. Height above Mean Sea Level, 188 feet. Gravity Correction, +.022.

January	ins. 29.872	36.1	36.9	36.5	33.1	41.4	19.4	18th	51.6	23rd	1.7	1.5	1.6	in.	in.	in.	82.1	84.3	83.2		
February	30.206	38.9	41.3	40.1	36.5	48.3	27.9	20th	55.7	27th	1.5	1.8	1.7	2.10	2.24	2.17	87.8	85.6	86.7		
March	29.593	39.7	39.0	39.4	35.5	45.6	26.4	9th	56.5	6th	2.5	2.1	2.3	1.99	1.99	1.99	80.1	82.1	81.1		
April	7.66	43.0	42.7	42.9	37.7	49.4	33.5	2nd	59.8	30th	2.9	2.7	2.8	2.19	2.20	2.20	78.8	80.0	79.4		
May	57.4	49.6	47.4	48.5	43.2	55.9	31.0	18th	68.5	31st	4.3	2.6	3.5	2.59	2.69	2.64	72.8	81.8	77.3		
June	81.6	59.1	55.7	57.4	50.9	64.9	41.9	7th	76.0	23rd	4.8	2.8	3.8	3.68	3.70	3.69	73.6	82.8	78.2		
July	69.8	58.5	56.4	57.5	53.2	64.2	49.2	29th	76.8	17th	3.8	2.6	3.2	3.82	3.81	3.82	78.2	83.5	80.9		
August	52.6	57.7	56.1	56.9	53.2	62.9	46.6	30th	68.3	18th	3.5	2.2	2.9	3.77	3.89	3.83	79.2	86.0	82.6		
September	71.2	58.0	56.6	57.3	52.4	64.4	47.0	3rd	78.6	10th	3.7	3.3	3.5	3.79	3.69	3.74	78.4	80.0	79.2		
October	48.1	48.1	48.1	48.1	44.4	54.2	35.3	25th	61.5	3rd	2.3	2.4	2.4	2.84	2.81	2.83	84.3	83.5	83.9		
November	59.2	42.0	42.5	42.3	39.0	47.1	31.2	27th	56.2	18th	1.9	2.0	2.0	2.30	2.33	2.32	85.3	85.4	85.4		
December	29.631	39.0	40.9	40.0	36.4	45.3	21.1	25th	58.5	3rd	1.9	1.6	1.8	2.06	2.29	2.18	82.6	86.9	84.8		
Year	29.706	47.5	47.0	47.3	43.0	53.6	—	—	—	—	—	—	2.9	2.3	2.6	2.75	2.80	2.78	80.3	83.5	81.9

LLANDUDNO

Long. 3° 50' W. Lat. 53° 21' N. Height above Mean Sea Level, 88 feet. Gravity Correction, +.022.

January	ins. 29.977	40.4	39.1	39.8	34.6	44.0	20.0	18th	53.0	26th	2.3	2.1	2.2	in.	in.	in.	82	83	83		
February	30.305	44.4	44.1	44.2	38.8	50.4	31.8	21st	61.0	23rd	3.2	2.8	3.0	2.25	2.29	2.27	77	79	78		
March	29.714	41.5	40.8	41.2	36.8	45.6	26.4	12th	55.0	1st, 2nd	3.0	2.9	3.0	2.02	1.98	2.00	77	78	77		
April	8.68	45.1	43.9	44.5	38.6	49.2	31.0	1st	58.0	30th	3.5	3.0	3.2	2.25	2.24	2.24	75	78	77		
May	68.5	49.7	48.6	49.1	42.7	54.7	32.4	18th	68.1	31st	4.4	3.0	3.7	2.54	2.71	2.63	71	79	75		
June	91.5	58.4	56.7	57.6	51.7	63.2	42.0	7th	72.6	20th	4.1	3.4	3.8	3.69	3.62	3.65	75	79	77		
July	81.5	58.6	57.0	57.8	53.0	63.8	49.6	2nd	72.7	17th	3.5	3.0	3.2	3.86	3.77	3.82	78	81	79		
August	63.0	58.3	57.5	57.9	53.4	62.9	47.0	30th	69.5	18th	3.6	2.7	3.2	3.81	3.94	3.87	78	83	81		
September	81.0	59.7	57.5	58.6	53.3	64.8	47.4	3rd	81.1	10th	4.3	3.3	3.8	3.82	3.77	3.80	75	80	77		
October	56.4	50.9	49.4	50.1	44.8	55.5	34.0	31st	62.2	3rd, 4th	3.5	3.1	3.3	2.86	2.77	2.81	77	78	78		
November	67.4	44.4	44.3	44.4	39.7	48.5	32.5	23rd	59.0	18th	2.3	2.2	2.2	2.40	2.42	2.41	82	83	82		
December	29.724	42.4	43.2	42.8	38.0	48.0	23.0	25th	58.5	3rd	2.7	2.4	2.6	2.15	2.28	2.22	79	82	81		
Year	29.807	49.5	48.5	49.0	43.8	54.2	—	—	—	—	—	—	3.4	2.8	3.1	2.81	2.81	2.81	77.2	80.3	78.8

PRESTWICH.

Heights above Ground:—Barometer, 26 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	6.8	5.4	6.1	ins.	ins.	20th	16	6	3	0	7	15	0	9	1	3	1	14	1	5	0	28
February	8.1	6.7	7.4	0.420	1.30	28th	7	0	0	0	3	17	1	7	0	4	1	5	0	8	1	30
March	7.5	6.0	6.8	1.890	3.00	6th	16	9	5	1	4	16	9	13	0	10	1	3	0	20	1	14
April	8.3	6.4	7.4	2.400	4.60	3rd	14	3	0	0	2	18	2	6	1	27	4	7	1	4	1	9
May	8.1	7.1	7.6	2.670	3.70	22nd	20	2	5	5	1	19	3	12	0	15	1	10	1	12	0	11
June	7.3	6.8	7.1	2.680	1.030	4th	13	0	0	3	3	15	0	2	0	29	0	10	1	6	2	10
July	8.8	7.8	8.3	3.170	6.20	21st	21	0	0	3	0	20	0	10	0	4	0	12	1	19	6	10
August	9.0	7.6	8.3	6.760	1.030	13th	25	0	0	3	0	21	2	5	0	0	3	15	1	25	1	13
September	7.8	5.5	6.7	3.100	6.70	19th	21	0	0	0	4	14	3	4	0	1	1	21	0	14	3	16
October	7.0	5.6	6.3	4.390	7.00	13th	23	0	0	2	5	12	4	0	0	9	4	33	0	5	0	11
November	9.7	7.5	8.6	3.540	4.60	8th	19	3	2	0	0	23	1	3	0	8	7	13	0	3	0	26
December	7.8	6.7	7.3	6.270	8.50	9th	21	2	5	1	2	17	6	2	0	2	3	17	0	14	2	22
Year	8.0	6.6	7.3	39.880	—	—	216	25	20	18	31	207	31	73	2	112	26	160	6	135	17	199

LIVERPOOL.

Heights above Ground:—Barometer, 13 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

												Red											
January	-	6.5	6.7	6.6	ins.	ins.	20th	14	5	1	0	0	10	2	4	5	3	13	9	12	11	4	1
February	-	5.9	6.5	6.2	0.110	0.27	13th	15	0	0	0	1	7	1	0	0	8	15	4	12	10	3	4
March	-	6.6	6.8	6.7	0.784	1.28	28th	15	5	4	0	1	7	6	7	10	5	5	2	5	19	7	2
April	-	8.0	7.6	7.8	1.897	3.93	1st	12	1	0	0	0	15	1	2	8	18	9	2	1	8	5	7
May	-	7.4	7.9	7.7	1.849	4.02	15th	18	2	4	0	0	17	1	7	11	3	7	2	4	13	6	9
June	-	7.5	6.8	7.2	4.318	2.032	25th	14	0	0	2	0	15	0	0	11	12	9	3	5	12	5	3
July	-	8.3	7.3	7.8	3.102	8.94	28th	15	0	0	1	0	18	0	2	1	1	3	6	6	26	13	4
August	-	8.0	8.1	8.1	4.616	4.59	9th	22	0	0	2	0	18	1	4	1	0	8	6	18	17	4	4
September	-	6.8	6.5	6.7	4.151	6.36	14th	16	0	0	0	1	11	3	2	1	2	15	7	15	13	3	2
October	-	7.0	6.2	6.6	2.585	4.22	18th	21	0	0	0	0	9	1	0	3	8	20	12	9	5	0	5
November	-	7.7	7.4	7.6	3.324	5.41	10th	21	2	3	0	0	13	1	2	8	8	14	10	9	4	1	4
December	-	6.8	7.3	7.1	3.762	5.76	30th	21	2	3	0	1	12	8	0	1	2	22	10	12	12	2	1
Year	-	7.2	7.1	7.2	31.643	—	—	204	17	15	5	4	152	25	30	60	70	140	73	108	150	53	46

BUXTON

Long. 1° 54' W. Lat. 53° 14' N. Height above Mean Sea Level, 987 feet. Gravity Correction, + .019.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins. 29.020	31.8	31.9	31.9	25.7	37.8	3.2	19th	46.3	27, 29	0.6	0.5	0.6	in. .166	in. .168	in. .167	% 93	% 93	% 93	
February -	29.361	35.8	35.9	35.8	30.1	47.5	18.2	26th	57.3	27th	0.9	0.7	0.8	.192	.196	.194	91	93	92	
March -	28.738	35.9	35.9	35.9	29.5	42.5	20.2	12th	52.6	2nd	1.1	1.0	1.0	.188	.191	.190	89	91	90	
April -	.923	40.1	38.2	39.2	31.0	47.0	22.9	1st	58.9	30th	1.3	0.8	1.1	.221	.214	.217	89	93	91	
May -	.726	47.2	45.0	46.1	37.3	54.3	26.4	18th	75.2	12th	2.3	1.6	1.9	.271	.262	.267	83	88	86	
June -	.994	56.0	53.6	54.8	46.6	62.4	—	—	72.6	24th	1.9	1.7	1.8	.393	.364	.378	88	88	88	
July -	.859	56.8	53.8	55.3	49.3	63.0	41.9	5th	75.6	17th	2.8	1.3	2.1	.381	.377	.379	82	91	86	
August -	.719	55.2	53.6	54.4	47.8	62.1	38.1	30th	69.2	15th	3.1	1.5	2.3	.349	.369	.359	80	90	85	
September	.904	56.6	52.3	54.4	45.6	63.3	39.6	24th	78.4	11th	3.1	1.6	2.3	.369	.349	.359	80	89	85	
October -	.661	46.2	45.3	45.8	38.8	52.9	22.8	31st	60.2	1, 7	1.8	1.7	1.8	.271	.263	.267	87	87	87	
November	.747	39.3	38.9	39.1	33.3	44.8	24.2	27th	52.4	18th	1.0	1.1	1.0	.220	.215	.218	92	91	91	
December	28.790	35.1	36.7	35.9	30.4	44.0	10.5	25th	54.3	3rd	1.0	0.8	0.9	.184	.201	.192	90	92	91	
Year -	28.870	44.7	43.4	44.1	37.1	51.8	—	—	—	—	1.7	1.2	1.5	.267	.264	.266	87.0	90.5	88.8	

CHEADLE

Long. 1° 57' W. Lat. 52° 58' N. Height above Mean Sea Level, 646 feet. Gravity Correction, + .020.

January	ins. 29.406	32.2	33.1	32.7	28.6	38.6	13.9	19th	48.7	30th	1.0	0.7	0.9	in. 1.60	in. 1.74	in. 1.67	88	93	91
February	.731	36.4	39.4	37.9	33.9	46.9	25.0	20th	59.0	28th	0.9	1.5	1.2	1.97	2.11	2.04	92	88	90
March	.109	37.0	36.8	36.9	32.1	44.2	22.4	12th	58.2	1st	1.7	1.5	1.6	1.87	1.89	1.88	85	87	86
April	.285	40.8	40.3	40.5	34.6	48.1	28.4	8th	62.3	30th	2.4	2.1	2.2	2.07	2.08	2.08	81	83	82
May	.096	47.2	45.8	46.5	40.1	54.6	30.8	18th	74.0	12th	3.1	2.1	2.6	2.53	2.60	2.56	78	84	81
June	.355	55.7	54.5	55.1	48.9	63.8	39.8	7th	73.2	24th	3.0	2.1	2.6	3.60	3.66	3.63	81	86	83
July	.234	57.2	55.1	56.2	50.3	63.5	44.2	28th	74.5	17th	3.3	2.3	2.8	3.71	3.69	3.70	79	85	82
August	.092	55.5	54.0	54.7	49.7	61.7	41.6	30th	68.8	14th	2.4	1.2	1.8	3.71	3.82	3.77	84	91	88
September	.282	55.3	54.0	54.7	48.9	63.7	42.6	3rd	78.6	11th	2.1	2.0	2.0	3.77	3.61	3.69	86	86	86
October	.049	46.4	46.1	46.2	41.2	53.4	32.2	31st	60.0	9th	1.2	1.3	1.3	2.86	2.80	2.83	91	90	90
November	.136	39.4	40.1	39.8	36.0	45.1	26.6	25th	53.5	19th	0.8	1.1	0.9	2.25	2.25	2.25	93	91	92
December	29.198	36.4	38.1	37.2	32.6	43.6	15.0	25th	53.0	3rd	1.1	0.9	1.0	1.93	2.12	2.02	90	92	91
Year	29.248	45.0	44.8	44.9	39.7	52.3	—	—	—	—	1.9	1.6	1.7	2.66	2.70	2.68	85.7	88.0	86.9

HILLINGTON

Long. 0° 33' E. Lat. 52° 48' N. Height above Mean Sea Level, 88 feet. Gravity Correction, + .021.

January	ins. 30.005	31.4	31.5	31.5	25.0	37.5	5.2	18th	50.4	31st	0.7	0.7	0.7	in. 1.68	in. 1.68	in. 1.68	89.8	89.8	89.8
February	30.341	35.9	36.4	36.2	30.4	47.2	21.6	19th	63.2	27th	1.0	1.0	1.0	1.94	1.98	1.96	91.0	91.0	91.0
March	29.683	39.3	37.7	38.5	33.5	47.1	22.9	22nd	59.1	1st	2.0	2.0	2.0	2.03	1.99	1.97	83.6	82.7	83.2
April	.878	44.9	40.2	42.6	35.0	50.9	25.8	1st	65.4	30th	2.9	1.4	2.2	2.38	2.24	2.31	80.1	89.1	84.6
May	.680	50.4	45.8	48.1	40.6	56.9	28.0	19th	75.5	13th	3.0	1.3	2.2	2.96	2.82	2.89	80.9	90.6	85.8
June	.924	59.7	54.9	57.3	49.8	66.0	37.0	12th	78.5	25th	3.6	1.5	2.6	4.09	3.94	4.02	79.3	90.6	85.0
July	.802	60.3	56.3	58.3	50.5	67.1	40.9	31st	81.5	17th	3.7	1.8	2.8	4.10	4.03	4.07	78.7	88.5	83.6
August	.671	59.5	55.9	57.7	50.6	65.6	38.2	30th	75.5	14th	3.1	1.4	2.3	4.16	4.09	4.13	81.6	91.3	86.5
September	.887	59.9	55.4	57.7	48.5	67.9	40.8	15th	82.2	10th	3.1	1.9	2.5	4.22	3.88	4.05	81.6	87.6	84.6
October	.669	50.6	48.1	49.4	42.7	57.3	28.1	31st	65.2	1st	1.5	1.0	1.3	3.32	3.16	3.24	89.6	92.8	91.2
November	.735	40.9	40.2	40.6	35.4	47.2	24.9	30th	55.7	19th	0.7	0.9	0.8	2.47	2.36	2.42	94.5	93.4	94.0
December	29.820	36.7	37.5	37.1	31.6	44.4	12.5	22nd	55.6	4th	0.9	0.9	0.9	2.09	2.16	2.13	91.9	92.3	92.1
Year	29.841	47.5	45.0	46.3	39.5	54.6	—	—	—	—	2.2	1.3	1.8	2.95	2.85	2.90	85.2	90.0	87.6

BUXTON.

Heights above Ground:—Barometer, 8 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	7.6	6.7	7.2	ins. 4.580	ins. 1.300	20th	16	4	0	0	0	13	0	1	3	1	4	0	17	10	12	14
February	7.3	5.6	6.4	0.680	0.270	3, 11	6	0	0	0	2	10	0	0	2	0	0	2	5	4	14	29
March	7.7	7.0	7.4	3.885	0.630	27th	20	8	1	0	2	15	0	2	12	1	0	1	14	8	19	5
April	8.1	6.6	7.3	3.410	0.740	29th	17	3	0	0	0	14	0	2	14	14	11	0	4	2	11	2
May	8.1	8.1	8.1	4.975	0.730	1st	22	3	1	2	1	17	0	0	12	0	7	0	16	2	14	11
June	7.7	8.0	7.9	2.878	1.150	4th	15	0	0	3	0	16	0	0	18	19	3	0	13	0	10	6
July	8.2	7.8	8.0	2.520	0.420	28th	18	0	0	2	0	20	0	1	4	0	1	2	14	16	13	11
August	8.2	7.8	8.0	6.450	0.835	25th	27	0	0	2	0	19	0	0	1	0	0	5	17	17	10	12
September	6.8	5.7	6.2	3.595	0.750	21st	19	0	0	1	4	11	0	0	0	0	3	6	20	12	6	13
October	7.2	7.7	7.5	6.595	1.140	13th	22	0	1	1	2	15	0	0	7	3	3	8	23	5	4	9
November	8.1	7.3	7.7	4.535	0.710	10th	16	2	0	0	0	17	1	2	6	5	4	0	13	4	7	19
December	7.6	8.9	8.2	8.745	1.290	9th	21	1	1	1	1	18	1	0	0	0	1	4	16	17	6	18
Year	7.7	7.3	7.5	52.758	—	—	219	21	4	12	12	185	2	8	79	34	37	28	172	97	126	149

CHEADLE.

Heights above Ground:—Barometer, 2 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

January	-	6.0	6.9	6.5	ins. 2.260	ins. .080	20th	16	6	0	0	6	14	0	5	4	5	0	6	12	8	10	12
February	-	5.8	4.3	5.0	0.060	.030	3rd	3	0	0	0	10	8	0	6	2	15	4	2	2	8	6	11
March	-	6.6	6.1	6.4	1.740	.420	15th	18	9	2	0	4	9	6	8	7	7	3	2	3	13	16	3
April	-	7.4	7.3	7.3	2.600	.690	4th	16	3	0	3	3	18	0	6	7	22	8	1	3	0	8	5
May	-	6.4	7.7	7.1	2.910	.640	21st	19	2	1	2	3	14	1	11	4	10	5	5	8	6	10	3
June	-	7.0	6.4	6.7	3.630	1.090	3rd	12	0	0	4	3	10	0	7	6	20	1	7	9	1	6	3
July	-	8.4	7.2	7.8	2.990	1.410	8th	15	0	0	5	1	15	0	15	1	2	1	7	8	10	16	2
August	-	8.3	7.8	8.0	4.890	.650	17th	25	0	0	1	0	18	1	0	2	1	2	12	13	16	14	2
September	-	6.8	4.5	5.7	1.980	.350	21st	15	0	0	1	4	6	3	2	4	3	9	15	10	4	11	
October	-	6.7	5.7	6.2	4.540	.870	6th	23	0	1	3	2	8	7	3	1	12	11	11	11	8	4	1
November	-	8.0	6.5	7.2	3.070	.540	10th	17	1	1	1	1	14	1	8	7	9	10	7	4	6	6	3
December	-	6.1	6.0	6.1	5.050	.820	9th	21	2	0	0	7	12	6	1	0	4	5	8	9	16	5	14
Year	-	7.0	6.4	6.7	35.720	—	—	200	23	5	20	44	146	25	72	43	111	53	77	97	102	105	70

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

UPPINGHAM

Long. 0° 44' W. Lat. 52° 35' N. Height above Mean Sea Level, 484 feet. Gravity Correction, + .019.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.563	32.2	33.1	32.7	28.3	38.3	15.1	19th	50.1	28th	1.0	0.9	1.0	in. 1.64	in. 1.71	in. 1.68	85.0	85.7	85.4
February	899	36.4	38.5	37.5	33.2	46.7	24.0	19th	61.0	28th	1.2	1.3	1.3	1.95	2.09	2.02	90.3	89.0	89.7
March	255	38.1	36.3	37.2	32.5	45.3	23.7	12th	60.7	1st	1.8	1.3	1.6	1.98	1.91	1.95	84.3	87.4	85.9
April	440	42.5	40.1	41.3	34.8	50.4	28.6	1st	62.9	30th	1.9	1.4	1.7	2.34	2.23	2.29	86.1	89.5	87.8
May	243	48.9	45.0	47.0	40.3	56.5	29.3	17th	78.1	12th	2.8	1.6	2.2	2.84	2.67	2.76	82.1	88.4	85.3
June	497	57.6	54.9	56.3	49.3	66.8	40.2	11th	77.1	19th	3.0	1.6	2.3	3.93	3.90	3.92	82.2	89.3	85.8
July	382	59.0	55.6	57.3	50.6	66.0	42.9	28th	77.5	17th	2.6	1.5	2.1	4.21	4.00	4.11	84.2	90.1	87.2
August	243	57.4	54.7	56.1	50.6	63.6	43.1	30th	71.8	14th	2.8	1.6	2.2	3.92	3.86	3.89	83.0	89.7	86.4
September	440	57.9	54.2	56.1	49.0	65.2	43.5	15th	79.0	10th	2.7	1.9	2.3	4.03	3.71	3.87	83.3	87.7	85.5
October	219	48.7	46.6	47.7	42.2	54.6	30.9	31st	60.5	5th	1.1	1.0	1.1	3.18	2.96	3.07	91.7	92.2	92.0
November	292	40.3	39.9	40.1	36.4	45.9	29.5	27th	54.7	19th	0.6	0.7	0.7	2.42	2.36	2.39	94.8	94.8	94.8
December	29.369	37.4	38.0	37.7	32.8	44.5	14.0	25th	54.9	3rd	0.9	0.9	0.9	2.13	2.20	2.17	90.5	91.1	90.8
Year	29.494	46.4	44.7	45.6	40.0	53.7	—	—	—	—	1.9	1.3	1.6	2.88	2.80	2.84	86.5	89.6	88.1

CHURCHSTOKE

Long. 3° 5' W. Lat. 52° 31' N. Height above Mean Sea Level, 538 feet. Gravity Correction, + .018.

January	ins. 29.519	33.5	34.4	34.0	28.3	40.8	9.2	18th	52.1	23rd	1.2	1.0	1.1	in. 1.75	in. 1.83	in. 1.79	86.8	87.6	87.2
February	846	37.7	38.6	38.2	31.7	49.7	22.1	26th	61.9	28th	1.6	1.6	1.6	1.97	2.05	2.01	86.3	87.1	86.7
March	241	38.2	36.6	37.4	31.7	44.8	15.0	12th	59.3	1st	2.2	1.6	1.9	1.92	1.88	1.90	81.1	84.3	82.7
April	385	42.7	40.4	41.6	34.1	49.7	25.3	1st	61.9	30th	2.8	2.1	2.5	2.19	2.12	2.16	79.5	83.9	81.7
May	202	49.2	45.6	47.4	38.7	56.5	27.6	17th	76.9	12th	3.9	2.1	3.0	2.63	2.64	2.64	75.1	85.6	80.4
June	437	58.5	—	—	47.8	65.8	36.8	11th	75.4	20th	4.0	—	—	3.78	—	—	77.2	—	—
July	351	58.9	54.6	56.8	48.6	66.0	42.8	17, 28	76.1	17th	3.9	2.5	3.2	3.83	3.60	3.72	77.2	84.0	80.6
August	194	57.5	54.2	55.9	48.8	62.8	39.7	30th	66.9	10th	3.4	1.7	2.6	3.75	3.74	3.75	79.2	88.7	84.0
September	377	57.3	54.3	55.8	48.0	65.0	38.5	7th	80.1	11th	3.2	2.4	2.8	3.80	3.60	3.70	80.7	85.0	82.9
October	131	47.7	45.8	46.8	40.2	53.7	28.0	30th	61.1	4th, 9th	1.9	1.5	1.7	2.88	2.78	2.83	86.5	89.0	87.8
November	228	40.1	40.0	40.1	34.6	46.6	24.3	23rd	54.9	19th	1.2	1.1	1.2	2.26	2.29	2.28	89.5	90.9	90.2
December	29.296	37.3	38.7	38.0	32.4	45.2	8.9	25th	56.0	3rd	1.3	1.1	1.2	2.05	2.24	2.15	87.9	89.8	88.9
Year	29.351	46.6	—	—	38.7	53.9	—	—	—	—	2.6	—	—	2.73	—	—	82.3	—	—

GELDESTON

Long. 1° 31' E. Lat. 52° 28' N. Height above Mean Sea Level, 37 feet. Gravity Correction, + .020.

January	ins. 30.062	32.5	32.7	32.6	26.9	38.8	6.7	11th	50.6	31st	0.6	0.7	0.7	in. 1.75	in. 1.75	in. 1.75	91.0	89.4	90.2
February	30.408	34.8	36.4	35.6	29.7	47.0	20.0	26th	63.7	28th	0.6	0.5	0.6	1.93	2.08	2.01	94.3	96.2	95.3
March	29.733	40.4	38.4	39.4	33.4	46.8	24.2	22nd	62.2	1st	2.3	1.9	2.1	2.09	1.98	2.04	82.1	84.0	83.1
April	928	44.5	41.4	43.0	35.3	49.0	25.0	1st	64.7	28th	2.3	1.3	1.8	2.46	2.37	2.42	83.6	90.7	87.2
May	735	51.1	45.6	48.4	40.3	56.8	28.2	17th	75.8	13th	3.5	1.3	2.4	2.94	2.78	2.86	78.5	90.1	84.3
June	976	59.9	55.1	57.5	50.0	65.0	38.7	12th	77.7	26th	3.8	1.7	2.8	4.05	3.91	3.98	77.8	89.0	83.4
July	863	61.2	57.3	59.3	51.5	67.3	44.0	28, 29	78.1	17th	4.4	1.9	3.2	4.07	4.17	4.12	75.6	88.4	82.0
August	739	60.8	56.7	58.8	50.9	66.4	41.2	30th	76.2	14th	3.9	1.6	2.8	4.15	4.15	4.15	77.6	90.0	83.8
September	947	60.1	56.5	58.3	49.7	67.9	42.9	16th	79.8	10th	3.1	2.0	2.6	4.28	4.01	4.15	81.8	87.3	84.6
October	749	52.9	50.0	51.5	44.0	58.6	30.8	31st	66.9	1st	2.0	1.3	1.7	3.51	3.31	3.41	86.4	90.5	88.5
November	802	42.5	42.3	42.4	37.3	47.7	27.0	25, 28	55.0	19th	0.9	1.1	1.0	2.58	2.51	2.55	93.1	92.0	92.6
December	29.898	39.2	39.5	39.4	33.4	46.9	16.7	22nd	55.9	5th	1.0	1.1	1.1	2.31	2.28	2.30	92.2	90.6	91.4
Year	29.903	48.3	46.0	47.2	40.2	54.9	—	—	—	—	2.4	1.4	1.9	3.01	2.94	2.98	84.5	89.9	87.2

MONTHLY SUMMARIES.—UPPINGHAM—CHURCHSTOKE—GELDESTON.

UPPINGHAM.

Heights above Ground:—Barometer, 6 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 6 inches.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	6.9	5.7	6.3	ins. 1.307	ins. .377	31st	15	9	0	0	3	13	0	10	2	2	2	9	12	15	9	1	
February -	6.5	4.8	5.7	0.063	.026	8th	4	0	0	0	6	11	0	4	3	1	6	6	8	12	6	10	
March -	7.8	6.2	7.0	1.117	.196	9th	18	12	1	0	3	14	1	5	15	0	4	0	11	7	15	5	
April -	8.2	6.6	7.4	1.357	.541	4th	12	1	1	0	3	18	0	6	23	5	8	2	5	1	5	5	
May -	7.4	6.5	7.0	2.979	.582	24th	17	3	0	2	2	15	0	14	8	1	3	11	8	4	4	9	
June -	8.2	6.4	7.3	2.192	.829	4th	9	0	0	3	1	16	1	4	17	6	3	3	8	7	6	6	
July -	8.4	7.1	7.8	2.394	.495	29th	15	0	0	5	1	13	0	4	2	2	0	4	13	21	10	6	
August -	8.4	7.0	7.7	3.329	.746	17th	21	0	0	5	0	18	3	4	3	0	0	5	26	13	7	4	
September	6.4	3.9	5.2	0.876	.399	21st	10	0	1	0	6	7	2	1	3	1	1	6	35	8	1	4	
October -	6.9	6.3	6.6	5.474	.974	22nd	23	0	1	0	3	12	6	5	5	4	0	17	17	5	3	6	
November	7.8	6.1	7.0	3.191	.912	15th	19	1	0	0	2	13	2	3	8	3	2	14	10	6	4	10	
December	6.3	5.3	5.8	2.750	.546	1st	20	2	1	0	6	12	9	0	3	0	0	15	22	11	6	5	
Year -	7.4	6.0	6.7	27.029	—	—	183	28	5	15	36	162	24	60	92	25	29	92	175	110	76	71	

CHURCHSTOKE.

Heights above Ground:—Barometer, 12 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 6 inches.

January	-	6.9	7.1	7.0	ins. 2.478	ins. 5.10	31st	15	4	0	0	2	14	0	4	6	5	7	2	16	11	7	4
February	-	5.1	5.0	5.1	0.056	0.036	11th	5	0	0	0	9	8	0	1	2	2	8	1	4	22	9	7
March	-	7.2	6.5	6.9	1.334	2.80	15th	21	10	0	0	3	13	0	7	7	6	7	0	0	21	12	2
April	-	7.8	7.2	7.5	2.466	5.55	21st	13	3	0	0	2	15	0	3	7	14	11	3	2	6	9	5
May	-	7.4	7.3	7.4	3.244	7.26	27th	20	2	0	1	0	14	0	2	7	6	13	1	7	15	9	2
June	-	7.1	6.2	6.7	2.395	—	—	11	0	0	2	2	10	0	3	12	15	4	0	11	5	9	1
July	-	8.1	5.3	6.7	1.653	2.63	22nd	16	0	0	2	0	7	0	4	1	0	2	1	13	19	20	2
August	-	7.5	6.4	7.0	4.493	5.17	25th	26	0	0	2	0	11	0	4	1	0	4	5	14	24	10	0
September	-	5.9	5.2	5.6	2.565	8.04	19th	18	0	0	0	3	7	0	2	2	3	4	4	9	22	5	9
October	-	6.9	6.1	6.5	5.554	9.10	13th	24	0	1	1	0	7	6	1	5	9	8	10	16	8	2	3
November	-	8.3	6.2	7.3	2.618	5.75	10th	17	2	1	0	1	14	0	1	1	12	14	1	11	15	3	2
December	-	6.4	6.0	6.2	5.316	7.40	12th	21	1	1	0	5	10	0	0	0	3	15	6	14	19	3	2
Year	-	7.1	6.2	6.7	34.172	—	—	205	22	3	8	27	130	6	32	51	75	97	34	117	187	98	39

BENNINGTON

Long. 0° 5' W. Lat. 51° 54' N. Height above Mean Sea Level, 407 feet. Gravity Correction, $\times 0.017$.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.						
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.				
	ins.																						
January	29°695	31°9	32°7	32°3	27°8	38°4	15°2	10th	49°7	31st	0°7	0°9	0°8	1°64	1°66	1°65	91	89	90				
February	30°024	36°5	37°8	37°2	31°5	47°0	20°6	24th	64°2	28th	1°2	1°6	1°4	1°93	1°96	1°95	89	86	88				
March	29°382	39°0	37°1	38°0	33°0	45°6	20°0	12th	56°6	2nd	2°4	1°9	2°2	1°92	1°84	1°88	81	83	82				
April	547	43°8	40°5	42°2	34°8	50°9	30°1	2nd	62°3	28th	3°4	2°3	2°8	2°15	2°06	2°10	75	82	78				
May	365	49°8	46°5	48°1	40°4	57°0	29°4	17th	76°8	13th	3°6	2°5	3°1	2°71	2°59	2°65	76	82	79				
June	608	58°6	55°8	57°2	49°5	67°7	40°4	11th	77°7	25th	3°8	2°3	3°0	3°79	3°78	3°79	77	85	81				
July	516	60°0	56°3	58°2	50°5	67°4	42°6	28th	78°6	17th	4°5	2°6	3°6	3°82	3°77	3°79	74	83	79				
August	390	58°8	55°4	57°1	50°4	65°5	41°6	30th	73°8	14th	4°0	2°0	3°0	3°77	3°81	3°79	76	87	81				
September	585	59°6	55°1	57°3	49°2	66°8	42°9	24th	81°4	11th	3°9	2°2	3°0	3°93	3°71	3°82	77	85	81				
October	362	50°1	47°8	49°0	42°9	56°5	32°0	31st	63°8	1st	1°8	1°4	1°6	3°15	2°98	3°07	87	89	88				
November	423	41°1	41°0	41°0	36°4	46°4	24°8	25th	55°1	19th	0°8	0°8	0°8	2°40	2°39	2°39	93	93	93				
December	29°534	39°0	39°4	39°2	33°8	46°1	17°7	25th	55°8	5th	1°2	1°1	1°2	2°14	2°19	2°17	90	91	91				
Year	29°536	47°4	45°5	46°4	40°0	54°6	—	—	—	—	2°6	1°8	2°2	2°78	2°73	2°75	82°2	86°3	84°3				

CHELTENHAM

Long. 2° 3' W. Lat. 51° 54' N. Height above Mean Sea Level, 184 feet. Gravity Correction, $+ 0.019$.

	ins.														in.	in.	in.	%	%	%
January -	29.926	33.3	33.5	33.4	27.5	39.8	8.8	19th	53.0	28th	0.8	0.7	0.8		.174	.177	.176	92	92	92
February -	30.244	37.1	38.0	37.6	30.5	48.5	23.2	19th	61.8	28th	1.2	1.2	1.2		.197	.204	.200	89	89	89
March -	29.622	39.0	37.5	38.2	32.7	45.7	12.2	12th	57.6	1st	1.6	1.2	1.4		.206	.200	.203	87	89	88
April -	.757	45.2	43.6	44.4	36.0	51.6	24.0	1st	60.0	27th	2.3	1.7	2.0		.250	.246	.248	83	87	85
May -	.573	49.7	47.3	48.5	40.2	57.8	28.0	19th	79.0	12th	3.1	1.8	2.4		.280	.283	.282	78	87	83
June -	.802	60.2	57.6	58.9	49.5	69.2	38.5	12th	76.6	19th	4.2	2.8	3.5		.393	.393	.393	75	83	79
July -	.719	60.5	57.2	58.9	50.1	68.4	39.0	28th	75.4	16th	3.6	1.9	2.8		.415	.412	.413	79	88	83
August -	.584	59.4	56.5	57.9	50.3	64.9	38.8	30th	72.2	14th	3.7	1.8	2.7		.394	.404	.399	78	88	83
September	.777	58.7	54.9	56.8	49.0	65.9	39.5	3rd	79.0	11. 13	3.2	1.9	2.6		.397	.375	.386	80	87	84
October -	.533	49.8	48.2	49.0	42.9	55.9	27.8	31st	61.2	9th	2.2	1.8	2.0		.303	.293	.298	85	87	86
November	.620	41.8	42.1	41.9	36.2	47.9	22.0	25th	58.1	18th	1.3	1.5	1.4		.237	.235	.236	89	88	88
December	29.724	40.2	40.9	40.6	35.2	46.4	14.2	22nd	57.2	4th	1.8	1.5	1.6		.213	.225	.219	86	88	87
Year -	29.740	47.9	46.4	47.2	40.0	55.2	—	—	—	—	2.4	1.7	2.0		.288	.287	.288	83.4	87.8	85.6

ST. DAVID'S (PEMBROKE)

Long. 5° 16' W. Lat. 51° 53' N. Height above Mean Sea Level, 215 feet. Gravity Correction, $+ 0.018$.

	ins.													in.	in.	in.	%	%	%
January -	29.891	39.6	39.5	39.6	35.0	42.9	19.2	18th	48.8	23rd	0.7	0.4	0.6	.234	.237	.236	92.6	95.2	93.9
February -	30.209	42.8	42.7	42.8	38.8	48.4	33.2	20th	55.2	19th	0.8	0.6	0.7	.259	.262	.261	93.7	95.4	94.6
March -	29.631	41.9	40.5	41.2	36.4	46.2	27.1	9th	51.8	18th	1.4	1.1	1.3	.240	.233	.237	89.1	90.8	90.0
April -	.723	46.0	43.6	44.8	39.3	49.9	33.1	24th	57.1	23rd	1.9	0.6	1.3	.269	.271	.270	86.3	94.9	90.6
May -	.566	50.1	46.4	48.3	43.0	53.5	36.1	21st	63.1	12th	1.9	0.4	1.2	.317	.309	.313	87.2	97.5	92.4
June -	.782	59.3	54.4	56.9	51.0	63.8	43.8	8th	75.3	20th	2.0	0.3	1.2	.446	.418	.432	88.0	97.9	93.0
July -	.732	59.2	55.9	57.6	53.0	63.6	50.0	12th	71.0	16th	1.3	0.5	0.9	.462	.435	.449	91.9	97.2	94.6
August -	.564	58.0	56.3	57.2	53.5	62.3	49.2	5th	65.6	12, 15	1.0	0.4	0.7	.451	.445	.448	93.3	97.9	95.6
September	.742	58.7	56.9	57.8	53.6	62.7	45.9	7th	76.5	12th	2.2	1.5	1.9	.430	.422	.426	86.8	90.2	88.5
October -	.442	51.6	49.8	50.7	46.4	55.3	31.2	31st	60.4	9th	2.1	1.4	1.8	.332	.326	.329	86.3	89.9	88.1
November	.568	45.6	44.6	45.1	40.8	49.3	33.2	3rd	54.2	18th	1.1	1.0	1.1	.281	.274	.278	91.5	92.4	92.0
December	29.671	44.0	44.6	44.3	40.9	48.1	23.2	25th	53.1	3rd	1.4	1.1	1.3	.264	.277	.271	88.9	91.4	90.2
Year -	29.710	49.7	47.9	48.8	44.3	53.8	—	—	—	—	1.5	0.8	1.2	.332	.326	.329	89.6	94.2	91.9

BENNINGTON.

Heights above Ground:—Barometer, 6 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	6.5	6.6	6.6	ins. 2.100	ins. .390	30th	16	7	0	0	5	14	0	8	4	2	3	7	11	18	2	7		
February -	6.6	5.4	6.0	0.070	.020	24th	6	0	0	0	6	12	0	0	3	5	11	0	9	8	0	20		
March -	8.4	7.6	8.0	1.870	.610	7th	19	12	6	0	3	22	0	6	8	5	2	2	5	26	1	7		
April -	7.5	5.8	6.6	0.940	.280	4th	11	1	2	2	4	14	0	4	12	18	4	3	6	8	2	3		
May -	7.5	6.7	7.1	3.400	.790	17th	21	4	3	6	2	17	0	8	8	4	6	4	11	8	1	12		
June -	7.9	6.4	7.2	1.050	.380	24th	10	0	0	6	3	14	0	4	14	8	3	3	12	2	2	12		
July -	8.3	5.2	6.7	1.950	.260	8th	19	0	1	7	2	13	0	3	3	3	0	4	22	18	0	9		
August -	7.5	5.9	6.7	3.420	.950	20th	21	0	0	4	2	12	0	1	0	2	1	9	25	15	2	7		
September -	5.4	5.3	5.4	1.120	.210	14th	15	0	1	2	8	9	0	0	3	2	5	13	21	7	0	9		
October -	6.5	6.3	6.4	5.310	.740	6th	25	0	3	2	5	11	0	1	6	9	6	19	15	2	0	4		
November -	8.5	8.4	8.4	2.340	.540	15th	22	0	0	0	1	20	0	0	4	8	5	9	10	5	0	19		
December -	6.3	5.9	6.1	3.660	1.000	13th	20	0	1	0	7	14	1	1	0	0	1	8	17	8	1	26		
Year -	7.2	6.3	6.8	27.230	—	—	205	24	17	29	48	172	1	36	65	66	47	81	164	125	11	135		

CARMARTHEN

Long. 4° 18' W. Lat. 51° 52' N. Height above Mean Sea Level, 188 feet. Gravity Correction, + 018.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins.	36°·2	35°·7	36°·0	30°·5	42°·6	13°·5	18th	51°·6	27th	1°·2	1°·1	1°·2	in. °195	in. °192	in. °194	% 87°·0	% 88°·5	% 87°·8	
February	30°·240	41°·2	40°·8	41°·0	34°·7	52°·1	26°·5	17th	61°·2	23rd	2°·2	1°·3	1°·8	°216	°230	°223	84°·0	90°·1	87°·1	
March	29°·634	42°·3	39°·3	40°·8	34°·4	47°·7	22°·7	11, 12	55°·3	5th	3°·2	2°·1	2°·7	°210	°201	°206	76°·6	82°·4	79°·5	
April	°740	47°·5	43°·2	45°·4	38°·0	53°·0	28°·5	1st	59°·8	27th	4°·1	2°·6	3°·4	°241	°228	°235	74°·0	81°·6	77°·8	
May	°575	53°·2	47°·8	50°·5	42°·0	58°·1	29°·3	19th	76°·2	12th	4°·9	2°·0	3°·5	°290	°289	°290	71°·5	86°·2	78°·9	
June	°791	63°·0	57°·0	60°·0	51°·4	67°·8	41°·7	10th	78°·6	20th	5°·7	2°·8	4°·3	°402	°387	°395	70°·2	82°·6	76°·4	
July	°737	60°·7	55°·7	58°·2	51°·6	65°·6	46°·8	11th	74°·8	14th	4°·0	2°·2	3°·1	°408	°382	°395	77°·5	85°·9	81°·7	
August	°583	59°·3	55°·6	57°·5	50°·9	63°·6	42°·7	4, 30	68°·2	5, 10	3°·7	1°·9	2°·8	°395	°388	°392	78°·7	87°·4	83°·1	
September	°758	59°·8	55°·8	57°·8	50°·5	65°·4	40°·7	7th	81°·8	10th	3°·4	1°·6	2°·5	°413	°401	°407	80°·8	89°·7	85°·3	
October	°476	50°·9	48°·0	49°·5	43°·3	57°·5	33°·5	30th	62°·7	4th	2°·4	1°·4	1°·9	°315	°305	°310	84°·1	90°·5	87°·3	
November	°595	43°·5	42°·2	42°·9	37°·6	49°·7	26°·2	23rd	57°·3	2nd	1°·4	1°·3	1°·4	°257	°245	°251	89°·9	90°·3	90°·1	
December	29°·706	40°·5	42°·4	41°·5	36°·9	47°·9	19°·2	24th	54°·7	5th	1°·0	1°·2	1°·1	°240	°255	°248	90°·6	90°·6	90°·6	
Year	29°·729	49°·8	47°·0	48°·4	41°·8	55°·9	—	—	—	—	3°·1	1°·8	2°·5	°299	°292	°296	80°·4	87°·2	83°·8	

BERKHAMSTED

Long. 0° 34' W. Lat. 51° 46' N. Height above Mean Sea Level, 400 feet. Gravity Correction, + 017.

	ins.													in.	in.	in.	% /n	% /s	% /a
January -	29.711	31.4	32.0	31.7	27.1	38.8	11.9	19th	50.3	31st	0.5	0.4	0.5	.164	.172	.168	93	95	94
February -	30.035	35.0	36.1	35.6	30.4	47.4	22.3	25th	64.1	28th	0.7	1.0	0.8	.189	.193	.191	93	91	92
March -	29.398	38.3	37.0	37.6	33.3	46.0	18.4	12th	58.1	2nd	1.8	1.6	1.7	.196	.188	.192	85	85	85
April -	.556	43.4	41.1	42.3	34.7	51.0	24.8	1st	62.4	28th	3.0	2.1	2.6	.218	.215	.217	78	83	81
May -	.372	49.7	46.8	48.2	40.6	57.0	29.0	19th	76.3	13th	3.5	2.1	2.8	.272	.271	.271	76	84	80
June -	.611	59.2	55.5	57.4	49.2	67.8	39.5	12th	74.0	24th	4.2	2.0	3.1	.377	.382	.380	75	87	81
July -	.523	59.5	55.7	57.6	49.7	67.2	42.1	5th	78.5	17th	4.3	2.1	3.2	.379	.382	.380	74	86	80
August -	.397	58.2	55.7	56.9	50.4	65.1	40.4	30th	73.3	14th	3.5	1.8	2.6	.381	.391	.386	79	88	83
September	.588	58.5	54.2	56.4	48.1	66.1	40.5	24th	81.2	11th	3.1	1.5	2.3	.397	.377	.387	81	90	86
October -	.357	49.3	47.5	48.4	42.7	56.2	27.3	31st	64.3	9th	1.5	1.4	1.5	.313	.294	.304	89	89	89
November	.421	40.8	41.1	40.9	36.6	47.2	24.5	28th	56.2	19th	0.8	0.8	0.8	.238	.240	.239	93	93	93
December	29.539	37.7	38.4	38.1	33.5	45.8	12.3	25th	55.2	4th	1.1	1.1	1.1	.204	.210	.207	90	91	90
Year -	29.542	46.8	45.1	45.9	39.7	54.6	—	—	—	—	2.3	1.5	1.9	.277	.276	.277	83.8	88.5	86.2

KEW

Long. 0° 19' W. Lat. 51° 28' N. Height above Mean Sea Level, 18 feet. Gravity Correction, + 017.

	ins.													in.	in.	in.	%	%	%
January	30.125	33.1	33.8	33.5	29.5	38.5	13.3	11th	51.4	31st	1.5	1.4	1.5	.158	.166	.162	83	85	84
February	30.445	35.4	37.8	36.6	32.0	44.4	25.2	26th	57.1	28th	1.1	1.5	1.3	.186	.198	.192	90	88	89
March	29.802	40.3	39.5	39.9	35.0	46.3	23.9	12th	55.9	2nd	3.1	2.8	3.0	.190	.189	.190	76	78	77
April	.952	44.4	43.4	43.9	37.2	51.6	27.0	1st	62.4	28th	3.7	3.2	3.5	.215	.215	.215	73	76	75
May	.767	50.4	49.3	49.9	42.6	58.1	32.2	17th	75.9	13th	—	—	—	—	—	—	—	—	—
June	.995	59.7	58.7	59.2	51.7	68.1	42.3	10th	75.9	18th	—	—	—	—	—	—	—	—	—
July	.917	60.8	58.9	59.9	51.7	67.8	45.7	28th	78.8	17th	4.6	3.3	4.0	.391	.398	.395	74	80	77
August	.796	58.9	57.8	58.4	51.9	65.6	42.5	30th	73.6	14th	3.7	2.4	3.1	.387	.407	.397	77	84	81
September	.990	58.5	56.4	57.5	49.8	66.3	42.4	24th	78.5	13th	3.0	2.0	2.5	.400	.396	.398	81	87	84
October	.759	50.6	49.6	50.1	44.1	57.1	30.9	31st	64.3	9th	2.0	1.9	2.0	.318	.308	.313	86	87	87
November	.827	42.5	42.9	42.7	37.8	47.7	27.9	28th	55.8	19th	1.4	1.4	1.4	.241	.246	.244	89	89	89
December	29.959	39.9	40.6	40.3	35.2	45.7	18.5	22nd	56.3	5th	1.5	1.5	1.5	.216	.221	.219	88	88	88
Year	29.945	47.9	47.4	47.7	41.5	54.8	—	—	—	—	—	—	—	—	—	—	—	—	—

CARMARTHEN.

Heights above Ground:—Barometer, 7 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

Heights above Sea Level - Birmingham																							
1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	3 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
				ins.	ins.																		
January	-	6.6	5.8	6.2	4.250	.630	23rd	17	2	2	0	4	13	0	5	7	5	1	6	11	3	3	21
February	-	5.5	4.6	5.1	0.200	.060	2nd	5	0	0	0	9	11	0	3	1	6	2	0	7	0	2	35
March	-	7.9	5.3	6.6	1.420	.290	14th	15	2	1	0	3	12	0	13	5	10	0	1	8	15	5	5
April	-	7.1	6.5	6.8	3.620	.870	30th	10	0	0	0	3	15	0	4	5	17	7	5	9	0	6	7
May	-	6.6	6.5	6.6	3.480	.530	21st	19	1	1	0	2	10	0	15	6	6	2	11	9	1	7	5
June	-	6.6	6.0	6.3	3.130	.890	26th	12	0	0	0	2	14	0	5	6	12	2	6	10	5	2	12
July	-	8.3	5.9	7.1	2.530	.370	5th	17	0	0	0	2	14	0	14	2	2	1	4	13	6	14	6
August	-	7.9	6.2	7.1	8.670	1.770	25th	25	0	1	0	0	11	1	6	3	0	1	10	23	6	7	6
September	-	7.2	5.7	6.5	5.540	.730	19th	23	0	0	1	3	12	1	5	0	5	1	7	25	2	3	12
October	-	6.9	6.2	6.6	12.570	1.590	18th	24	0	10	2	3	12	4	1	6	7	7	5	20	3	1	12
November	-	7.7	6.0	6.9	4.990	.630	8th	22	0	3	0	2	14	3	4	10	11	8	4	7	3	4	9
December	-	6.5	7.1	6.8	8.940	1.300	12th	23	0	1	0	5	15	2	4	1	4	3	7	19	7	4	13
Year		7.1	6.0	6.6	59.340	—	—	212	5	19	5	41	153	11	79	52	85	35	66	161	51	58	143

MARGATE

Long. 1° 24' E. Lat. 51° 24' N. Height above Mean Sea Level, 83 feet. Gravity Correction, +.017.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 30.044	34.1	34.5	34.3	29.3	38.2	16.6	9th	50.0	30, 31	0.8	0.8	0.8	in. 182	in. 187	in. 185	89.2	90.7	90.0
February	30.376	36.6	37.5	37.1	32.8	43.6	27.0	24th	57.8	28th	0.7	1.1	0.9	204	204	204	93.9	91.0	92.5
March	29.710	40.6	39.0	39.8	35.3	45.7	29.9	12th	59.6	2nd	2.1	1.2	1.7	213	216	215	83.7	89.6	86.7
April	877	44.1	43.0	43.6	37.3	48.7	29.8	2nd	62.8	28th	2.4	1.8	2.1	239	241	240	82.5	86.9	84.7
May	698	50.4	47.4	48.9	43.2	56.0	36.0	19th	69.0	13th	2.9	1.6	2.3	299	292	296	81.9	88.9	85.4
June	918	58.9	55.9	57.4	51.5	64.0	40.0	12th	76.0	18th	3.3	2.1	2.7	403	390	397	80.1	86.6	83.4
July	847	60.6	57.8	59.2	53.4	66.6	44.6	29th	76.8	17th	3.9	2.0	3.0	411	419	415	78.2	87.4	82.8
August	730	60.5	57.3	58.9	52.8	66.5	45.1	30th	74.8	14th	3.8	1.9	2.9	410	414	412	77.6	87.8	82.7
September	937	60.7	57.4	59.1	53.1	66.5	46.1	28th	73.7	13th	3.8	2.1	3.0	418	412	415	78.3	87.0	82.7
October	725	53.6	51.4	52.5	47.2	58.7	37.1	31st	66.4	1st, 6th	2.6	1.9	2.3	347	335	341	82.7	87.1	84.9
November	770	44.4	44.0	44.2	39.4	48.7	31.4	28th	57.0	19th	1.3	1.4	1.4	268	260	264	90.7	89.5	90.1
December	29.904	42.3	41.8	42.1	36.3	47.5	22.0	25th	56.6	4th	1.3	1.5	1.4	250	241	246	87.8	87.7	87.8
Year	29.878	48.9	47.3	48.1	42.6	54.2	—	—	—	—	2.4	1.6	2.0	304	301	303	83.9	88.4	86.2

SOUTHAMPTON

Long. 1° 24' W. Lat. 50° 55' N. Height above Mean Sea Level, 78 feet. Gravity Correction, +.016.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 30.078	33.3	34.8	34.1	29.9	41.1	16.0	19th	52.7	31st	0.6	0.7	0.7	in. 187	in. 195	in. 191	93.5	92.2	92.9
February	30.389	36.0	38.6	37.3	32.4	49.8	26.6	11, 24	66.2	28th	0.5	0.9	0.7	205	218	212	95.5	92.7	94.1
March	29.763	41.2	39.2	40.2	34.5	47.7	24.6	12th	61.5	1st	2.0	1.5	1.8	221	214	218	84.1	87.5	85.8
April	892	47.5	44.4	46.0	37.9	53.6	27.6	1st	66.6	28th	3.5	2.2	2.9	253	246	250	77.5	83.7	80.6
May	715	54.7	49.7	52.2	43.5	60.7	30.5	17th	81.8	13th	4.4	2.1	3.3	316	308	312	73.8	86.0	79.9
June	937	63.0	59.0	61.0	52.3	70.8	38.3	10th	81.7	19th	4.7	2.7	3.7	429	421	425	74.9	83.4	79.2
July	880	63.2	59.0	61.1	53.3	69.6	47.8	29th	76.5	11th	4.2	2.0	3.1	443	439	441	76.8	87.9	82.4
August	760	61.5	57.7	59.6	52.8	67.4	43.8	30th	74.3	12th	3.3	1.3	2.3	444	438	441	81.2	91.7	86.5
September	948	61.5	56.7	59.1	51.6	67.0	43.9	24th	80.1	12th	3.3	1.4	2.4	444	420	432	81.7	90.7	86.2
October	690	52.9	50.3	51.6	45.4	58.5	31.5	31st	66.5	9th	2.2	1.4	1.8	347	334	341	85.5	90.2	87.9
November	766	43.1	43.7	43.4	38.3	49.4	28.2	25th	55.8	18th	1.0	1.2	1.1	263	263	263	92.7	91.3	92.0
December	29.918	41.6	42.4	42.0	37.5	48.3	20.8	24th	54.9	5th	0.9	1.0	1.0	255	262	259	92.3	92.2	92.3
Year	29.895	50.0	48.0	49.0	42.5	57.0	—	—	—	—	2.6	1.5	2.1	317	313	315	84.1	89.1	86.6

ST. LEONARD'S

Long. 0° 33' E. Lat. 50° 51' N. Height above Mean Sea Level, 129 feet. Gravity Correction, +.015.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.984	34.6	35.2	34.9	30.6	39.4	20.0	10th	48.5	31st	0.5	0.5	0.5	in. 195	in. 199	in. 197	94.5	94.5	94.5
February	30.298	39.9	39.9	39.9	34.3	47.1	28.5	21st	55.7	27th	1.6	1.1	1.4	217	226	222	88.2	91.3	89.8
March	29.656	40.3	39.8	40.1	34.7	45.4	27.9	12th	56.8	5th	1.9	1.2	1.6	216	223	220	85.1	89.4	87.3
April	798	45.0	44.1	44.6	38.3	50.1	32.8	1st	62.8	28th	3.1	2.1	2.6	235	246	241	78.7	84.5	81.6
May	623	51.7	49.6	50.7	44.3	56.8	31.5	17th	76.4	12th	2.8	2.4	2.6	318	300	309	82.8	83.5	83.2
June	840	59.7	56.5	58.1	52.5	64.0	42.4	10th	72.0	25th	3.4	2.0	2.7	414	401	408	80.2	87.0	83.6
July	789	61.1	57.5	59.3	53.4	65.0	44.4	29th	70.1	25th	3.2	1.8	2.5	440	420	430	81.8	88.5	85.2
August	686	60.2	57.7	59.0	53.6	64.2	47.0	30th	68.2	14th	2.8	1.5	2.2	436	433	435	83.6	90.5	87.1
September	875	61.2	58.0	59.6	53.9	64.9	45.9	22nd	77.0	12th	3.2	2.4	2.8	431	412	422	79.8	85.4	82.6
October	642	54.4	52.4	53.4	48.2	58.0	33.3	31st	62.5	6th	3.1	2.7	2.9	345	330	338	80.5	82.8	81.7
November	698	44.9	44.0	44.5	39.9	49.3	31.0	24th	57.1	1st	1.6	1.8	1.7	267	253	260	88.5	86.9	87.7
December	29.857	43.3	43.0	43.2	38.0	47.7	27.3	20th	54.3	5th	1.7	1.5	1.6	251	252	252	85.7	87.2	86.5
Year	29.812	49.7	48.1	48.9	43.5	54.3	—	—	—	—	2.4	1.8	2.1	314	308	311	84.1	87.6	85.9

MARGATE.

Heights above Ground:—Barometer, 7 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	8.5	7.3	7.9	ins. 1.520	ins. 2.00	30th	20	7	0	0	1	19	0	10	8	3	0	4	12	8	5	12		
February -	7.5	4.5	6.0	0.100	.020	20th	9	0	0	0	6	11	0	2	2	12	2	1	13	1	2	21		
March -	7.0	6.2	6.6	2.070	.810	10th	17	7	1	1	3	13	0	5	8	13	1	3	25	5	2	0		
April -	6.7	5.7	6.2	0.300	.170	4th	9	0	1	0	2	10	0	4	14	15	3	4	8	3	5	4		
May -	7.4	5.7	6.6	3.000	.860	20th	16	0	1	0	4	12	0	7	2	6	4	9	14	8	5	7		
June -	7.2	6.1	6.7	1.640	.530	22nd	11	0	0	2	2	12	0	4	7	12	10	1	9	3	6	8		
July -	4.6	6.1	5.4	3.360	1.290	27th	14	0	1	1	2	13	0	3	2	6	3	3	24	12	4	5		
August -	6.8	6.9	6.9	3.330	1.070	20th	21	0	0	2	0	11	0	4	0	1	2	3	33	12	1	6		
September -	5.4	4.0	4.7	0.470	.130	21st	12	0	0	1	9	8	0	2	0	2	3	12	22	11	0	8		
October -	6.1	5.4	5.8	3.550	.540	10th	20	0	0	0	7	12	0	0	0	12	0	19	23	6	0	2		
November -	7.9	6.2	7.1	2.280	.360	9th	23	0	0	0	0	8	1	4	4	9	1	9	15	7	3	8		
December -	6.8	6.1	6.5	2.310	.410	10th	20	0	1	0	3	13	1	2	1	1	4	6	18	16	0	14		
Year	6.8	5.9	6.4	23.930	—	—	192	14	5	7	39	142	2	47	48	92	33	74	216	92	33	95		

EASTBOURNE

Long. 0° 17' E. Lat. 50° 46' N. Height above Mean Sea Level, 39 feet. Gravity Correction, + .015.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January -	ins. 30° 118	35° 5	35° 9	35° 7	32° 2	41° 9	19° 4	18th	49° 8	31st	1° 4	1° 2	1° 3	1° 182	1° 189	1° 186	83° 1	85° 0	84° 1		
February -	30° 431	39° 2	39° 7	39° 5	34° 7	46° 6	25° 8	24th	53° 8	17, 28	1° 6	1° 9	1° 8	2° 209	2° 207	2° 208	86° 5	84° 6	85° 6		
March -	29° 790	40° 5	40° 3	40° 4	36° 3	46° 7	29° 0	12, 22	54° 5	5th	2° 4	2° 1	2° 3	2° 207	2° 212	2° 210	80° 9	83° 5	82° 2		
April -	° 930	44° 7	43° 8	44° 3	39° 3	49° 6	33° 8	13th	62° 0	28th	2° 9	2° 2	2° 6	2° 235	2° 240	2° 238	79° 4	83° 6	81° 5		
May -	° 760	50° 6	49° 0	49° 8	45° 2	55° 8	33° 5	17th	70° 0	12th	2° 6	2° 2	2° 4	3° 307	2° 296	3° 302	82° 6	84° 6	83° 6		
June -	° 977	58° 4	57° 1	57° 8	52° 9	64° 3	45° 0	10, 12	71° 1	21st	2° 7	2° 3	2° 5	4° 410	4° 403	4° 407	83° 2	86° 2	84° 7		
July -	° 920	60° 3	58° 3	59° 3	54° 9	65° 0	49° 7	28th	70° 1	16th	2° 8	2° 4	2° 6	4° 436	4° 415	4° 426	83° 4	85° 2	84° 3		
August -	29° 815	59° 9	59° 2	59° 6	55° 5	64° 4	47° 0	30th	67° 0	13, 16	2° 7	2° 2	2° 5	4° 432	4° 435	4° 434	83° 5	86° 4	85° 0		
September	30° 003	60° 8	58° 9	59° 9	55° 3	64° 3	47° 0	23rd	72° 8	11th	3° 0	2° 4	2° 7	4° 440	4° 426	4° 433	82° 5	84° 9	83° 7		
October -	29° 767	55° 0	53° 7	54° 4	49° 0	58° 7	37° 0	31st	63° 6	1st, 9th	2° 6	2° 2	2° 4	3° 366	3° 357	3° 362	83° 1	85° 5	84° 3		
November	° 830	45° 6	45° 4	45° 5	41° 2	50° 6	29° 5	25th	56° 0	1, 18, 19	1° 7	1° 4	1° 6	2° 271	2° 275	2° 273	87° 4	89° 4	88° 4		
December	29° 992	44° 1	44° 3	44° 2	39° 9	48° 8	27° 0	20, 24	55° 0	3, 4, 5, 6	1° 3	1° 6	1° 5	2° 270	2° 266	2° 268	89° 3	86° 8	88° 1		
Year -	29° 944	49° 6	48° 8	49° 2	44° 7	54° 7	—	—	—	—	2° 3	2° 0	2° 2	3° 314	3° 310	3° 312	83° 7	85° 5	84° 6		

PARKSTONE, DORSET

Long. 1° 56' W. Lat. 50° 43' N. Height above Mean Sea Level, 197 feet. Gravity Correction, + .015.

January	ins. 29.950	34.0	34.5	34.3	29.8	40.1	14.3	19th	50.6	30th	0.9	0.7	0.8	1.182	1.189	1.186	86.1	89.4	87.8	
February	30.259	37.1	38.4	37.8	32.8	48.6	25.2	24th	64.0	28th	0.8	1.2	1.0	2.208	2.210	2.209	93.4	90.3	91.9	
March	29.642	40.2	37.9	39.1	33.4	46.6	21.8	12th	60.0	1st	2.3	1.3	1.8	2.206	2.205	2.206	81.6	87.8	84.7	
April	30.760	46.4	42.8	44.6	36.9	52.4	28.1	1st	62.9	28th	3.9	2.0	3.0	2.234	2.234	2.234	74.5	85.2	79.9	
May	30.592	52.9	47.5	50.2	41.9	59.7	30.3	17th	80.4	13th	4.8	1.7	3.3	2.285	2.291	2.288	71.5	88.1	79.8	
June	30.811	61.3	56.2	58.8	50.5	69.0	40.2	10th	78.3	19th	5.0	2.1	3.6	2.394	2.394	2.394	72.7	86.7	79.7	
July	30.763	61.5	56.5	59.0	51.0	68.6	45.3	29th	74.9	15th	4.5	2.0	3.3	2.408	2.400	2.404	75.1	87.5	81.3	
August	30.643	60.4	55.7	58.1	50.9	66.4	43.1	30th	72.3	13th	3.6	1.1	2.4	2.415	2.412	2.414	78.8	92.0	85.4	
September	30.823	59.6	55.2	57.4	50.3	65.9	43.3	21st	77.9	11th	2.8	1.4	2.1	2.428	2.399	2.414	83.8	90.9	87.4	
October	30.559	51.4	49.4	50.4	44.5	57.1	31.6	31st	65.2	9th	1.9	1.1	1.5	2.336	2.331	2.334	87.1	92.1	89.6	
November	30.638	42.4	42.3	42.4	37.1	48.9	27.8	25th	55.1	18th	0.8	0.8	0.8	2.259	2.257	2.258	93.8	93.7	93.8	
December	29.793	41.5	42.4	42.0	37.1	47.4	20.9	24th	53.8	4th	1.1	1.1	1.1	2.250	2.258	2.254	90.7	90.4	90.6	
Year	29.769	49.1	46.6	47.9	41.4	55.9	—	—	—	—	2.7	1.4	2.1	2.300	2.298	2.299	82.4	89.5	86.0	

ROUSDON

Long. 3° 0' W. Lat. 50° 43' N. Height above Mean Sea Level, 515 feet. Gravity Correction, + .014.

January	ins. 29.580	35.7	35.5	35.6	31.1	40.7	15.6	18th	48.3	25th	0.6	0.7	0.7	1.197	1.193	1.195	94	93	94	
February	30.888	40.8	40.0	40.4	35.8	46.3	28.3	10th	57.2	27th	2.0	1.8	1.9	2.214	2.211	2.213	84	85	84	
March	30.289	39.4	37.5	38.5	33.9	44.5	26.4	11th	56.1	1st	1.7	1.2	1.4	2.208	2.200	2.204	86	89	88	
April	30.397	44.5	42.0	43.2	37.8	48.2	31.9	12th	57.5	28th	2.8	1.8	2.3	2.233	2.229	2.231	79	86	82	
May	30.239	49.3	46.4	47.9	41.8	54.1	32.5	17th	72.6	13th	2.6	1.7	2.2	2.287	2.275	2.281	82	87	85	
June	30.459	56.8	54.9	55.8	50.4	62.2	43.7	10th	73.2	20th	2.2	1.9	2.0	2.397	2.375	2.386	86	87	86	
July	30.416	58.7	55.0	56.9	51.4	63.6	46.4	11th	69.0	13th	3.0	1.7	2.4	2.403	2.382	2.392	82	88	85	
August	30.294	57.5	54.7	56.1	51.1	61.9	45.4	30th	70.7	13th	2.5	1.4	1.9	2.399	2.388	2.394	84	91	88	
September	30.469	58.1	55.3	56.7	51.8	61.6	44.7	23rd	72.0	12th	2.0	1.8	1.9	2.422	2.384	2.403	87	88	87	
October	30.189	50.8	49.2	50.0	45.3	55.1	35.3	31st	59.7	4th, 9th	2.1	1.8	2.0	2.317	2.304	2.310	85	87	86	
November	30.269	44.0	42.9	43.4	38.3	48.0	27.6	24th	53.5	15th	1.5	1.5	1.5	2.254	2.243	2.249	88	88	88	
December	29.425	43.8	43.6	43.7	38.9	47.6	27.4	21, 25	54.3	30th	1.9	1.2	1.5	2.243	2.257	2.250	85	90	88	
Year	29.410	48.3	46.4	47.4	42.3	52.8	—	—	—	—	2.1	1.5	1.8	2.298	2.287	2.292	85.2	88.3	86.8	

EASTBOURNE.

Heights above Ground:—Barometer, —3 feet. Thermometers, 4 feet 3 inches. Rain-gauge, 6 inches.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Caln.	
January -	5.5	4.9	5.2	ins. 3.010	ins. .480	24th	15	5	0	0	8	9	3	15	3	1	1	2	14	12	11	3	
February -	6.3	4.0	5.2	0.040	.040	7th	1	0	0	0	7	9	0	11	11	1	0	1	2	8	12	10	
March -	7.1	4.7	5.9	2.870	.820	10th	16	9	0	0	6	11	3	9	8	2	1	1	8	26	7	0	
April -	6.6	5.0	5.8	0.750	.430	4th	5	0	0	0	6	9	3	9	14	10	3	2	3	9	3	7	
May -	5.5	4.9	5.2	2.300	.670	20th	15	1	0	0	6	9	0	13	4	4	0	2	14	12	4	9	
June -	5.4	5.4	5.4	2.250	.650	22nd	9	0	0	1	6	8	0	6	12	5	1	0	13	8	4	11	
July -	5.9	4.3	5.1	3.120	1.000	27th	14	0	0	4	5	5	1	3	4	3	0	2	13	20	9	8	
August -	7.0	6.4	6.7	6.800	1.120	20th	16	0	0	4	2	11	6	1	1	0	1	2	21	30	3	3	
September -	5.3	3.7	4.5	1.560	.400	17th	11	0	0	0	7	6	3	2	1	3	1	3	16	17	5	12	
October -	6.4	5.2	5.8	4.740	.730	10th	23	0	0	2	6	9	13	3	6	6	1	7	22	10	3	4	
November -	6.4	6.0	6.2	2.370	.650	10th	11	1	0	0	3	9	3	9	4	2	1	6	15	10	6	7	
December -	5.7	5.4	5.6	3.250	.580	13th	21	0	2	1	7	11	12	11	0	2	4	3	14	21	3	4	
Year	6.1	5.0	5.6	33.060	—	—	157	16	2	12	69	106	47	92	68	39	14	31	155	183	70	78	

PARKSTONE, DORSET.

Heights above Ground:—Barometer, 2 feet. Thermometers, 4 feet. Rain-gauge, 11 inches.

January	-	6.0	5.8	5.9	ins. 3.050	ins. .560	30th	16	2	0	0	6	10	4	16	10	0	0	6	12	6	4	8
February	-	7.1	4.6	5.9	0.030	.020	7th	2	0	0	0	5	9	0	4	20	3	0	0	1	10	6	12
March	-	7.5	5.8	6.7	3.230	.870	7th	17	8	3	0	4	13	4	8	14	3	0	4	6	15	8	4
April	-	7.2	6.5	6.9	1.030	.410	4th	11	0	0	0	4	16	0	7	15	9	8	3	5	3	7	3
May	-	6.3	6.3	6.3	1.900	.400	23rd	16	1	3	0	4	10	1	9	6	3	2	4	14	7	9	8
June	-	6.5	5.4	6.0	1.870	.610	3rd	12	0	0	1	4	8	0	4	14	6	5	3	8	9	6	5
July	-	7.6	4.7	6.2	1.600	.670	26th	13	0	0	3	1	9	1	3	5	1	4	2	19	8	13	7
August	-	7.7	6.2	7.0	6.280	1.520	20th	21	0	0	3	2	13	3	2	2	1	0	4	28	17	5	3
September	-	7.4	3.7	5.6	1.040	.170	24th	15	0	0	1	4	10	3	2	4	5	1	4	23	11	3	7
October	-	6.2	6.1	6.2	8.800	1.210	22nd	21	0	2	0	7	13	8	1	13	2	2	10	23	8	0	3
November	-	7.6	7.2	7.4	3.980	1.410	10th	15	0	1	1	2	15	4	4	14	3	2	5	9	11	8	4
December	-	6.7	6.5	6.6	4.840	.920	1st	21	0	0	0	4	14	12	4	10	1	2	7	20	12	2	4
Year	-	7.0	5.7	6.4	37.650	—	—	180	11	9	9	47	140	40	64	127	37	26	52	168	117	71	68

DARTMOOR

Long. 3° 59' W. Lat. 50° 33' N. Height above Mean Sea Level, 1,359 feet. Gravity Correction, +.011.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.									
											9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins.	34°·1	31°·8	33°·0	27°·6	38°·8	12°·4	18th	47°·2	30th	1°·5	0°·8	1°·2	in.	in.	in.	%	%	%
February	—	40°·1	37°·2	38°·7	31°·7	45°·6	27°·5	10th	53°·7	17th	2°·2	1°·6	1°·9	°168	°160	°164	80°·2	82°·8	81°·5
March	—	35°·6	32°·8	34°·2	29°·2	40°·2	20°·7	12th	46°·3	24th	2°·0	1°·7	1°·9	°206	°192	°199	83°·2	86°·4	84°·8
April	—	42°·0	39°·2	40°·6	34°·9	47°·5	30°·7	1st	55°·4	30th	2°·8	2°·1	2°·5	°215	°150	°160	78°·6	78°·0	78°·3
May	—	46°·6	42°·9	44°·8	36°·6	53°·5	30°·4	19th	70°·3	12th	2°·8	2°·0	2°·4	°258	°236	°247	81°·1	84°·9	83°·0
June	—	56°·0	51°·5	53°·8	43°·4	62°·2	38°·4	27, 29	70°·9	19th	3°·3	2°·6	3°·0	°358	°318	°338	79°·7	82°·7	81°·2
July	—	54°·5	50°·6	52°·6	45°·9	59°·7	42°·0	12th	63°·7	3, 10	2°·0	1°·6	1°·8	°373	°329	°351	87°·2	88°·8	88°·0
August	—	53°·7	50°·1	51°·9	47°·0	60°·1	41°·7	7th	63°·9	13th	1°·2	0°·5	0°·9	°382	°350	°366	92°·4	96°·5	94°·5
September	—	54°·3	50°·9	52°·6	47°·1	60°·3	33°·9	21st	72°·4	12th	1°·1	1°·6	1°·4	°394	°335	°365	93°·3	89°·8	91°·6
October	—	46°·1	43°·8	45°·0	41°·6	49°·4	32°·5	31st	56°·2	6th	0°·6	0°·4	0°·5	°301	°280	°291	95°·4	97°·1	96°·3
November	—	39°·8	—	—	—	—	—	—	—	—	0°·6	—	—	°235	—	—	95°·0	—	—
December	—	37°·8	—	—	—	—	—	—	—	—	0°·7	—	—	°216	—	—	92°·9	—	—
Year	—	45°·1	—	—	—	—	—	—	—	—	1°·7	—	—	°273	—	—	86°·5	—	—

BABBACOMBE

Long. 3° 31' W. Lat. 50° 29' N. Height above Mean Sea Level, 293 feet. Gravity Correction, +.013.

January	ins.	29.825	37.8	37.6	37.7	33.1	43.7	14.0	19th	53.9	27th	1.3	1.1	1.2	in.	in.	in.	%	%	%
February	—	30.134	41.5	40.6	41.1	36.3	48.5	29.3	17th	62.0	28th	1.6	1.5	1.6	205	207	206	84.7	87.3	86.0
March	—	29.538	41.8	39.2	40.5	35.5	47.2	24.9	12th	59.8	1st	2.4	1.7	2.1	219	210	215	82.0	86.3	84.2
April	—	46.44	46.0	43.5	44.8	39.9	50.9	31.1	1st	61.6	28th	2.5	1.7	2.1	258	248	253	83.1	87.3	85.2
May	—	488	52.4	47.2	49.8	42.8	57.8	34.0	17th	78.0	13th	3.7	1.7	2.7	304	289	297	77.3	88.1	82.7
June	—	701	59.4	56.0	57.7	52.0	65.4	46.4	8th, 13th	75.6	19th	3.3	2.0	2.7	411	395	403	81.2	87.7	84.5
July	—	667	61.7	56.4	59.1	52.6	66.5	48.2	12th	73.7	25th	4.0	1.9	3.0	422	400	411	77.4	87.6	82.5
August	—	536	60.7	55.8	58.3	52.1	64.8	44.3	30th	71.1	23rd	3.4	1.4	2.4	425	406	416	80.2	90.5	85.4
September	—	714	59.4	55.1	57.3	51.7	64.3	44.1	23rd	71.6	11th	2.8	1.3	2.1	424	400	412	83.6	91.6	87.6
October	—	423	52.4	49.6	51.0	45.3	56.7	39.2	13th	63.5	4th	2.0	1.5	1.8	343	322	333	86.7	89.9	88.3
November	—	509	44.8	44.0	44.4	39.7	50.2	28.4	24th	55.7	18th	1.6	1.5	1.6	265	260	263	88.2	88.8	88.5
December	—	29.664	44.8	45.0	44.9	40.5	49.1	29.2	24th	54.7	3rd	1.5	1.3	1.4	270	276	273	88.7	89.9	89.3
Year	—	29.654	50.2	47.5	48.9	43.5	55.4	—	—	—	—	2.5	1.6	2.1	315	303	309	83.4	88.6	86.0

PLYMOUTH

Long. 4° 8' W. Lat. 50° 22' N. Height above Mean Sea Level, 117 feet. Gravity Correction, +.015.

January	ins.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
July	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	—	29.891	60.1	56.9	58.5	53.6	63.4	44.6	23rd	76.3	12th	2.6	1.7	2.2	439	415	427	84.6	89.4	87.0
October	—	585	52.7	51.2	52.0	46.7	57.1	39.5	18th	63.8	13th	2.6	2.0	2.3	332	329	331	82.8	86.3	84.6
November	—	692	45.0	45.6	45.3	41.1	50.4	29.6	25th	55.3	19th	1.7	1.7	1.7	266	271	269	87.8	87.4	87.6
December	—	29.854	45.6	46.0	45.8	42.1	50.0	28.3	24th	55.2	4th, 15th	1.5	1.3	1.4	279	288	284	88.6	90.2	89.4
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

DARTMOOR.

Heights above Ground :—Barometer, 11 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	7.8	7.9	7.9	ins.	ins.	31st	20	6	0	0	1	18	0	0	13	1	7	1	10	7	16	7	
February -	6.0	6.2	6.1	0.800	.270	1st	8	0	0	0	1	8	0	0	9	6	13	0	9	0	9	10	
March -	7.6	7.0	7.3	6.450	1.700	9th	24	14	0	0	0	13	3	9	7	7	11	0	5	5	15	3	
April -	7.4	7.3	7.4	6.300	.910	4th	13	2	0	1	0	11	0	3	11	0	22	1	13	0	8	2	
May -	7.1	7.3	7.2	7.360	1.220	8th	19	2	3	1	0	15	0	3	13	1	3	0	25	4	13	0	
June -	6.8	7.0	6.9	6.280	1.100	3rd	15	0	0	0	1	15	0	2	13	5	7	2	15	5	8	3	
July -	5.8	6.2	6.0	6.560	1.910	3rd	20	0	0	1	2	9	6	6	6	4	1	2	12	8	23	0	
August -	8.4	8.9	8.7	13.800	1.640	26th	31	4	2	1	0	20	7	3	5	0	0	0	22	12	17	3	
September -	8.1	6.9	7.5	3.800	.490	18th	24	0	0	0	3	18	0	4	2	2	7	0	21	9	12	3	
October -	8.1	8.1	8.1	9.060	.910	10th	24	0	1	0	0	19	4	0	0	2	11	3	37	4	3	2	
November -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
December -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

BABBACOMBE.

Heights above Ground :—Barometer, 12 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

January	-	6.4	5.9	6.2	ins. 2.960	ins. .580	28th	19	5	0	0	5	13	6	9	14	3	3	3	15	7	7	1
February	-	7.0	4.6	5.8	0.030	.010	7,22,26	3	0	0	0	6	10	0	4	15	8	2	0	5	11	9	2
March	-	7.4	5.8	6.6	3.930	1.070	10th	17	11	5	0	4	15	8	8	11	6	0	3	10	16	8	0
April	-	7.4	5.6	6.5	1.610	.500	2nd	12	0	1	0	2	10	0	6	13	17	4	3	7	4	6	0
May	-	6.5	4.6	5.6	3.520	1.000	24th	18	1	6	1	3	8	1	7	13	3	4	4	13	10	7	1
June	-	6.3	5.4	5.9	4.010	1.420	23rd	16	0	0	1	5	10	0	4	16	9	2	7	12	4	6	0
July	-	6.0	4.1	5.1	3.250	1.180	1st	14	0	0	2	2	5	0	3	7	3	1	1	16	12	19	0
August	-	7.2	6.1	6.7	6.040	1.510	20th	21	0	2	4	1	9	3	2	2	1	0	4	26	19	6	2
September	-	6.5	3.9	5.2	1.060	.200	13th	15	0	0	1	3	7	1	3	8	3	1	6	24	11	2	2
October	-	6.1	5.7	5.9	10.370	1.500	5th	23	0	4	2	5	7	12	2	6	8	4	6	26	9	1	0
November	-	7.0	7.0	7.0	4.890	1.580	10th	17	0	2	1	2	14	4	4	8	7	5	6	13	10	5	2
December	-	7.1	7.6	7.4	5.210	.750	1st	22	0	5	2	1	15	14	0	5	6	8	5	20	15	3	0
Year	-	6.7	5.5	6.1	46.880	—	—	197	17	25	14	39	123	49	52	118	74	34	48	187	128	79	10

FALMOUTH

Long. 5° 4' W. Lat. 50° 9' N. Height above Mean Sea Level, 167 feet. Gravity Correction, +.013.

1891.	Mean Pressure at 32° Falt.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 29.971	39.4	39.9	39.7	36.0	44.0	22.4	18th	51.0	30th	1.5	1.5	1.5	in. 212	in. 216	in. 214	88	88	88
February -	30.268	42.3	42.5	42.4	39.5	46.8	32.0	10th	49.9	28th	1.5	1.8	1.7	238	234	236	89	86	88
March -	29.693	41.7	40.8	41.3	37.1	45.7	29.1	11th	55.9	1st	2.2	2.1	2.2	219	212	216	84	84	84
April -	769	46.9	44.8	45.9	41.7	50.1	38.0	10th	55.2	30th	2.8	2.0	2.4	256	252	254	81	85	83
May -	630	51.2	47.5	49.4	43.7	55.5	36.8	17th	67.2	11, 13	3.7	1.8	2.8	286	285	286	76	87	82
June -	824	59.5	55.7	57.6	52.6	63.1	45.0	8th	71.6	22nd	3.7	1.5	2.6	396	401	399	78	90	84
July -	820	60.2	56.3	58.3	53.6	63.8	47.8	12th	68.0	17th	3.9	2.2	3.1	401	390	396	77	86	82
August -	682	59.3	56.2	57.8	52.9	62.9	46.9	29, 30	67.9	14th	2.9	1.4	2.2	415	410	413	82	91	87
September -	845	58.9	56.0	57.5	52.9	62.0	46.1	23rd	68.9	12th	2.3	1.6	2.0	426	402	414	86	89	88
October -	536	51.6	49.9	50.8	46.7	55.7	41.6	13th	61.1	13th	2.1	1.9	2.0	328	310	319	86	87	87
November -	640	45.3	45.8	45.6	42.1	49.9	34.5	25th	56.9	18th	2.3	2.2	2.3	250	259	255	83	84	84
December -	29.806	46.0	46.6	46.3	42.8	49.7	34.1	24th	55.0	3rd	2.0	1.9	2.0	265	273	269	86	87	87
Year -	29.790	50.2	48.5	49.4	45.1	54.1	—	—	—	—	2.6	1.8	2.2	308	304	306	83.0	87.0	85.0

LONDONDERRY

Long. 7° 19' W. Lat. 55° 0' N. Height above Mean Sea Level, 67 feet. Gravity Correction, +.027.

1891.	ins.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	29.926	37.9	38.6	38.3	33.9	42.4	24.1	6th	50.8	28th	1.3	1.5	1.4	in. 205	in. 207	in. 206	87.9	87.4	87.7
February -	30.235	43.3	45.0	44.2	39.3	50.8	30.5	9th	58.8	24th	2.4	2.4	2.4	232	249	241	82.7	83.5	83.1
March -	29.739	39.4	38.8	39.1	33.9	47.1	23.8	10th	54.6	1st	2.2	1.9	2.1	200	200	200	80.6	82.5	81.6
April -	884	45.4	42.0	43.7	36.7	52.2	30.8	9th	59.6	20th	3.6	2.1	2.9	227	224	226	75.2	83.7	79.5
May -	704	50.6	46.6	48.6	41.5	57.5	33.9	17th	72.8	12th	4.3	2.2	3.3	270	271	271	73.5	84.5	79.0
June -	926	60.7	56.3	58.5	51.0	69.4	40.5	11th	83.1	22nd	5.0	2.6	3.8	386	384	385	72.9	83.8	78.4
July -	825	59.7	55.8	57.8	51.6	64.7	45.8	14th	76.0	17th	4.9	1.9	3.4	371	391	381	72.6	87.3	80.0
August -	587	57.4	55.1	56.3	51.5	63.0	44.5	29th	69.7	20th	2.7	1.7	2.2	395	387	391	83.6	88.6	86.1
September -	733	56.2	54.6	55.4	50.2	63.4	41.8	23rd	76.8	13th	2.6	2.0	2.3	381	377	379	83.4	87.0	85.2
October -	474	45.6	45.4	45.5	40.6	52.9	30.6	30th	60.4	3rd	1.7	1.6	1.7	272	272	272	87.8	88.9	88.4
November -	652	40.6	41.9	41.3	37.3	45.6	30.4	16th	51.4	3rd	1.0	1.3	1.2	235	240	238	92.3	89.9	91.1
December -	29.632	41.5	41.3	41.4	36.4	46.7	30.0	21st	54.6	3rd	1.6	1.5	1.6	232	231	232	87.6	88.3	88.0
Year -	29.776	48.2	46.8	47.5	42.0	54.6	—	—	—	—	2.8	1.9	2.4	284	286	285	81.7	86.3	84.0

LISSAN

Long. 6° 45' W. Lat. 54° 41' N. Height above Mean Sea Level, 300 feet. Gravity Correction, +.024.

1891.	ins.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	29.714	36.8	35.6	36.2	31.0	42.4	17.0	10th	52.0	29th	1.0	0.8	0.9	in. 199	in. 195	in. 197	92	93	93
February -	30.026	39.6	40.2	39.9	33.2	49.0	27.0	19th	56.0	25th	0.7	1.1	0.9	229	226	228	94	91	93
March -	29.514	40.9	36.9	38.9	32.5	46.2	20.0	13th	56.0	2nd	2.6	1.4	2.0	204	193	199	80	89	85
April -	662	44.4	40.7	42.6	34.6	49.9	28.0	1st	58.0	23rd	3.5	2.2	2.9	219	210	215	74	83	79
May -	478	49.4	44.4	46.9	40.0	56.1	33.0	17th	76.0	13th	4.1	2.0	3.1	257	248	253	73	85	79
June -	722	58.3	56.2	57.3	49.2	65.4	37.0	11th	80.0	24th	3.7	2.8	3.3	379	372	376	77	81	79
July -	600	58.4	54.8	56.6	49.5	65.1	44.0	6th	74.0	18th	4.3	2.5	3.4	365	359	362	75	84	80
August -	385	56.4	54.5	55.5	50.0	62.9	38.0	30th	66.0	1st	2.5	1.7	2.1	382	376	379	84	89	87
September -	527	56.2	52.7	54.5	48.1	63.2	36.0	3rd	75.0	12th	2.6	1.8	2.2	378	349	364	84	88	86
October -	269	45.9	44.4	45.2	37.6	54.3	26.0	25th	63.0	1st	1.6	1.5	1.6	273	259	266	89	89	89
November -	437	39.9	39.6	39.8	34.8	45.7	27.0	30th	52.0	19th	0.9	0.9	0.9	219	225	222	93	93	93
December -	29.426	38.6	39.2	38.9	32.7	44.6	23.0	22nd	53.0	3rd	0.8	0.8	0.8	219	224	222	94	93	94
Year -	29.563	47.1	44.9	46.0	39.4	53.7	—	—	—	—	2.4	1.6	2.0	277	270	274	84.1	88.2	86.2

FALMOUTH.

Heights above Ground:—Barometer, 16 feet. Thermometers, 4 feet. Rain-gauge, 2 feet.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
				ins.	ins.																		
January -	10 a.m. 5.6	10 p.m. 4.9	5.3	10 a.m. 3.485	ins. 5.80	28th	16	1	1	0	6	7	3	13	4	1	3	6	12	9	3	11	
February -	5.8	4.6	5.2	0.055	.045	11th	2	0	0	0	9	10	0	4	1	12	6	5	1	5	3	19	
March -	7.4	5.4	6.4	4.225	1.345	9th	14	5	2	0	2	10	3	12	8	3	1	1	5	17	8	7	
April -	6.2	4.5	5.4	2.350	.370	30th	13	0	0	0	3	9	0	8	4	15	7	5	8	2	6	5	
May -	6.5	5.0	5.8	2.750	.645	7th	18	0	2	1	2	9	1	18	0	0	6	6	8	9	12	3	
June -	6.9	6.3	6.6	3.425	.840	6th	14	0	0	1	4	14	0	8	5	6	6	12	4	2	7	10	
July -	6.4	4.4	5.4	2.195	.635	3rd	16	0	0	3	1	5	0	10	0	3	2	3	13	12	14	5	
August -	7.5	6.5	7.0	7.070	1.540	20th	23	0	0	0	1	10	2	6	0	0	0	7	17	20	9	3	
September	6.3	3.7	5.0	2.690	.390	30th	17	0	0	0	6	7	1	0	1	6	1	10	18	8	10	6	
October -	6.8	5.0	5.9	8.085	1.215	18th	21	0	2	1	2	8	9	4	5	7	2	12	17	8	2	5	
November	7.5	6.0	6.8	5.450	1.270	10th	21	0	2	0	1	9	3	5	8	4	3	6	6	9	6	13	
December	6.8	6.1	6.5	6.250	.715	1st	23	0	0	0	3	14	11	2	2	4	8	8	18	16	3	1	
Year	6.6	5.2	5.9	48.030	—	—	198	6	9	6	40	112	33	90	38	61	45	81	127	117	83	88	

LONDONDERRY.

Heights above Ground:—Barometer, 14 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

Height above Ground.																							
				ins.	ins.																		
January	-	7.2	6.7	7.0	2.720	.720	21st	23	5	0	0	2	10	0	4	5	1	4	3	30	5	9	1
February	-	6.9	6.1	6.5	0.200	.070	7th	8	0	0	0	6	15	0	0	0	0	7	15	24	5	2	3
March	-	7.4	5.4	6.4	3.710	.430	14th	24	7	4	1	4	10	0	4	15	4	3	3	11	7	14	1
April	-	7.1	5.5	6.3	1.580	.460	30th	15	0	0	0	6	12	0	5	10	9	15	6	8	1	6	0
May	-	7.5	5.8	6.7	3.170	.770	7th	19	2	7	0	3	10	0	10	15	0	2	6	8	1	16	4
June	-	7.1	5.7	6.4	1.610	.530	25th	12	0	0	2	6	15	0	11	11	3	6	7	12	3	2	5
July	-	8.1	8.3	8.2	3.160	.680	2nd	21	0	0	1	2	23	0	12	4	3	2	2	15	8	15	1
August	-	8.9	8.4	8.7	5.710	.750	25th	27	0	0	0	0	23	0	2	6	1	2	5	15	13	16	2
September	-	7.1	6.1	6.6	3.490	.510	5th	23	0	0	0	2	10	0	5	1	0	2	13	25	8	1	5
October	-	5.8	4.0	4.9	3.810	.660	13th	21	0	0	1	11	9	1	4	4	0	5	12	23	7	3	4
November	-	7.9	6.6	7.3	2.740	.410	10th	24	1	0	0	0	14	0	1	6	3	8	10	20	6	3	3
December	-	6.8	6.0	6.4	4.500	1.010	10th	23	2	0	0	1	10	0	1	2	1	10	11	19	12	6	0
Year	-	7.3	6.2	6.8	36.400	—	—	240	17	11	5	43	161	1	59	79	25	66	93	210	76	93	29

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ARLEY COTTAGE (MOUNT NUGENT)

Long. 7° 18' W. Lat. 53° 50' N. Height above Mean Sea Level, 262 feet. Gravity Correction, +.024.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins. 29.816	34.8	35.5	35.2	30.7	40.8	14.9	7th	49.4	26th	0.5	0.5	0.5	in. 1.96	in. 2.00	in. 1.98	94.3	94.9	94.6	
February -	30.125	39.8	40.7	40.3	34.1	49.2	22.5	9th	56.1	18, 23	0.9	1.1	1.0	2.31	2.33	2.32	93.0	90.9	92.0	
March -	29.610	38.9	38.7	38.8	31.5	47.5	19.2	11, 13	56.8	5th	1.7	1.8	1.8	2.07	2.02	2.05	85.1	83.7	84.4	
April -	7.08	45.7	41.2	43.5	35.1	51.7	28.1	8th	59.2	18th	3.2	1.6	2.4	2.38	2.28	2.33	78.1	87.0	82.6	
May -	5.52	50.0	45.7	47.9	39.5	57.1	29.5	18th	76.0	12th	3.3	1.8	2.6	2.83	2.68	2.76	78.6	86.8	82.7	
June -	7.60	58.9	56.3	57.6	50.1	67.5	39.9	10th	79.1	20, 23	3.5	2.4	3.0	3.99	3.89	3.94	79.5	85.4	82.5	
July -	6.90	58.1	55.4	56.8	50.7	65.8	45.6	4th	76.0	17th	3.3	2.3	2.8	3.88	3.76	3.82	79.5	85.4	82.5	
August -	4.71	56.6	54.5	55.6	50.6	63.0	41.1	29th	67.9	11th	1.7	1.3	1.5	4.10	3.89	4.00	89.3	91.0	90.2	
September -	6.30	56.0	53.5	54.8	48.6	63.7	40.0	7th	77.0	11th	1.7	0.8	1.3	4.04	3.90	3.97	89.1	94.2	91.7	
October -	3.49	46.3	44.3	45.3	39.1	54.1	28.1	25th	60.1	4th	1.4	0.9	1.2	2.85	2.76	2.81	89.9	93.1	91.5	
November	5.20	40.1	39.7	39.9	35.1	45.6	28.0	26th	52.0	18th	0.7	0.7	0.7	2.37	2.32	2.35	94.2	93.9	94.1	
December	29.540	39.0	39.6	39.3	34.6	44.5	23.3	25th	52.5	3rd	0.7	0.7	0.7	2.28	2.32	2.30	94.0	94.0	94.0	
Year -	29.648	47.0	45.4	46.2	40.0	54.2	—	—	—	—	1.9	1.3	1.6	2.92	2.85	2.89	87.1	90.0	88.6	

CURRYGRANE (EDGEWORTHSTOWN)

Long. 7° 39' W. Lat. 53° 45' N. Height above Mean Sea Level, 267 feet. Gravity Correction, +.022.

	ins.													in.	in.	in.	%	%	%
January -	29.740	35.6	36.1	35.9	30.8	42.0	17.0	7th	51.5	28th	0.4	0.6	0.5	.205	.205	.205	95.2	95.3	95.3
February -	30.036	40.9	41.3	41.1	34.1	49.6	23.0	9th	58.0	24th	0.7	0.8	0.8	.244	.245	.245	93.5	93.0	93.3
March -	29.535	39.8	37.1	38.5	31.6	47.1	21.0	13th	57.0	1st	0.9	0.5	0.7	.231	.215	.223	92.3	94.5	93.4
April -	.632	45.8	41.8	43.8	35.2	51.4	28.0	8th	60.5	30th	2.1	1.1	1.6	.264	.246	.255	86.1	91.9	89.0
May -	.481	50.0	46.0	48.0	37.6	55.8	30.0	18, 25	69.0	11th	2.8	1.4	2.1	.294	.282	.288	81.1	89.6	85.4
June -	.682	59.3	56.5	57.9	49.6	67.3	41.0	4th, 7th	78.0	20th	3.1	2.2	2.7	.418	.398	.408	82.2	86.2	84.2
July -	.620	58.1	55.6	56.9	49.8	64.9	45.0	3rd, 7th	74.0	16th	2.8	1.6	2.2	.402	.397	.400	82.9	89.4	86.2
August -	—	57.9	56.1	57.0	49.6	63.2	39.0	29, 30	68.0	9, 11	2.1	1.9	2.0	.419	.396	.408	87.3	87.8	87.6
September	.549	56.1	55.3	55.7	48.2	63.2	40.0	7th	76.0	11th	2.0	1.9	2.0	.393	.386	.390	86.5	87.4	87.0
October -	.264	46.0	44.5	45.3	37.5	54.1	24.0	25th	63.0	3rd	1.9	1.8	1.9	.274	.259	.267	86.5	86.7	86.6
November	.436	38.9	38.5	38.7	33.5	45.8	26.0	24th	52.0	19th	1.0	1.1	1.1	.219	.213	.216	91.6	90.8	91.2
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

GLASNEVIN (BOTANIC GARDENS)

Long. 6° 16' W. Lat. 53° 23' N. Height above Mean Sea Level, 67 feet. Gravity Correction, +.022.

	ins.													in.	in.	in.	%	%	%
January -	30.006	38.6	38.6	38.6	33.2	44.5	19.0	7th	54.2	28th	1.3	1.1	1.2	.214	.217	.216	89.5	91.1	90.3
February -	30.320	42.9	41.7	42.3	34.3	50.8	23.0	9th	59.2	23rd	1.5	1.1	1.3	.248	.246	.247	88.6	92.3	90.5
March -	29.779	42.6	38.7	40.7	33.3	47.3	21.6	12th	56.2	1st	2.0	0.9	1.5	.233	.221	.227	84.5	92.2	88.4
April -	.885	45.6	42.4	44.0	36.7	49.9	28.0	10th	64.8	30th	2.1	1.0	1.6	.260	.253	.257	84.5	92.4	88.5
May -	.722	50.6	46.6	48.6	40.0	56.0	31.0	18th	67.5	12th	3.0	1.3	2.2	.297	.292	.295	80.0	90.8	85.4
June -	.942	59.0	55.9	57.5	50.3	65.5	38.0	10th	74.3	23rd	3.1	1.7	2.4	.412	.402	.407	81.9	88.9	85.4
July -	.859	59.4	55.8	57.6	50.4	66.0	42.4	10th	73.9	16th	3.1	1.7	2.4	.415	.397	.406	81.4	88.1	84.8
August -	.657	58.6	55.7	57.2	50.8	64.7	41.0	30th	70.3	9th	3.3	2.0	2.7	.397	.389	.393	79.9	87.3	83.6
September	.823	58.9	54.4	56.7	48.4	64.7	39.0	23rd	78.4	10th	3.1	1.1	2.1	.408	.395	.402	81.6	92.4	87.0
October -	.546	49.9	46.5	48.2	40.3	56.3	28.4	25th	66.3	4th	2.2	1.5	1.9	.308	.287	.298	85.1	89.7	87.4
November	.702	42.6	40.7	41.7	35.6	48.2	26.0	24th	56.2	18th	1.2	1.0	1.1	.250	.239	.245	90.9	92.5	91.7
December	29.736	40.6	41.0	40.8	35.1	47.2	20.0	22nd	57.2	3rd	1.2	1.1	1.2	.235	.241	.238	90.2	91.9	91.1
Year -	29.831	49.1	46.5	47.8	40.7	55.1	—	—	—	—	2.3	1.3	1.8	.306	.298	.302	84.8	90.8	87.8

MONTHLY SUMMARIES.—ARLEY COTTAGE—CURRYGRANE—GLASNEVIN.

ARLEY COTTAGE (MOUNT NUGENT).

Heights above Ground:—Barometer, — 36 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January	-	6.0	7.2	6.6	ins. 1.530	ins. 1.190	22nd	20	5	0	0	3	11	0.	4	3	0	5	7	17	9	6	11		
February	-	5.7	5.5	5.6	0.260	1.00	21st	8	0	0	0	4	9	0	2	1	3	11	9	19	1	2	8		
March	-	5.8	4.8	5.3	1.410	3.10	14th	20	4	8	0	6	7	0	17	5	3	4	0	3	13	11	6		
April	-	6.1	5.2	5.7	2.600	5.20	1, 31	14	0	0	0	5	6	0	4	10	10	12	4	4	3	4	9		
May	-	6.3	4.5	5.4	2.040	3.20	23rd	20	2	9	2	3	5	0	5	11	4	6	5	7	5	14	5		
June	-	5.0	5.2	5.1	2.500	5.50	15th	19	0	1	4	5	4	0	0	9	17	5	5	8	5	2	9		
July	-	5.8	6.1	6.0	2.130	3.70	21st	16	0	0	1	2	1	0	2	4	2	1	3	9	9	15	17		
August	-	6.7	5.9	6.3	7.380	10.60	17th	28	0	1	4	0	7	1	8	0	0	0	9	15	15	6	9		
September	-	5.7	5.5	5.6	2.470	7.20	5th	19	0	0	1	4	9	1	2	1	2	3	9	17	11	5	10		
October	-	4.3	2.3	3.3	3.600	9.20	13th	21	0	3	0	11	1	1	0	3	4	2	9	22	6	0	16		
November	-	5.9	4.6	5.3	2.440	5.60	10th	23	1	2	0	2	6	0	4	2	6	3	4	16	3	3	19		
December	-	5.8	5.3	5.6	5.800	8.30	12th	28	2	0	0	2	7	2	1	1	3	6	15	17	9	1	9		
Year	-	5.8	5.2	5.5	34.160	—	—	236	14	24	12	47	73	5	49	50	54	58	79	154	89	69	128		

DUBLIN (PHOENIX PARK)

Long. 6° 21' W. Lat. 53° 22' N. Height above Mean Sea Level, 155 feet. Gravity Correction, +.022.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min. Max.		Min. Day.		Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.912	37.8	38.0	37.9	32.5	44.2	17.1	7th	54.5	28th	1.5	1.5	1.5	in. 20.2	in. 20.2	in. 20.2	86.4	86.7	86.6
February	30.222	42.1	41.5	41.8	33.5	51.8	22.8	9th	64.6	23rd	2.1	2.1	2.1	2.28	2.23	2.26	83.9	83.7	83.8
March	29.683	41.1	37.6	39.4	32.3	46.9	19.1	12th	55.8	1st	2.2	1.7	2.0	2.16	1.95	2.06	83.1	84.2	83.7
April	787	44.9	41.7	43.3	35.5	50.2	27.2	26th	65.2	30th	2.8	1.8	2.3	2.38	2.30	2.34	80.2	86.2	83.2
May	625	49.6	46.1	47.9	39.2	54.6	29.1	21st	62.9	12th	3.5	2.4	3.0	2.73	2.60	2.67	76.6	82.7	79.7
June	842	58.5	55.0	56.8	49.3	64.9	36.4	10th	72.4	23rd	4.1	2.8	3.5	3.76	3.60	3.68	76.0	82.3	79.2
July	767	58.5	55.4	57.0	50.3	64.9	46.0	28th	72.8	16th	4.1	2.8	3.5	3.73	3.62	3.68	76.0	82.3	79.2
August	556	57.7	55.1	56.4	50.7	63.7	40.9	30th	69.2	11th	3.3	2.0	2.7	3.81	3.80	3.81	79.9	87.0	83.5
September	726	58.1	53.4	55.8	47.6	63.9	38.7	23rd	77.6	10th	3.7	2.0	2.9	3.80	3.69	3.69	77.9	86.9	82.4
October	459	48.8	45.9	47.4	40.0	55.5	26.5	25th	63.7	3rd	3.3	2.4	2.9	2.72	2.60	2.66	77.9	83.3	80.6
November	612	42.4	40.5	41.5	34.9	48.2	24.2	24th	56.6	18th	1.8	1.6	1.7	2.38	2.23	2.31	86.7	86.7	86.7
December	29.646	40.2	40.3	40.3	34.4	48.3	18.4	22nd	56.9	3rd	1.7	1.7	1.7	2.21	2.21	2.21	86.1	86.1	86.1
Year	29.736	48.3	45.9	47.1	40.0	54.8	—	—	—	—	2.8	2.1	2.5	2.83	2.73	2.78	80.9	84.8	82.9

DUBLIN (CITY)

Long. 6° 15' W. Lat. 53° 20' N. Height above Mean Sea Level, 47 feet. Gravity Correction, +.022.

January	ins. 30.025	39.2	39.8	39.5	35.6	44.5	23.9	7th	53.7	26.28	1.8	1.9	1.9	in. 20.5	in. 20.8	in. 20.7	84.0	84.0	84.0
February	30.339	42.8	44.3	43.6	38.3	51.0	30.1	9th	61.9	23rd	2.1	2.7	2.4	2.32	2.34	2.33	84.9	81.1	83.0
March	29.798	40.8	40.4	40.6	35.8	47.5	27.1	12th	57.9	1st	2.8	2.6	2.7	2.02	2.01	2.02	78.3	78.8	78.6
April	905	45.7	45.0	45.4	40.0	51.3	33.1	10th	65.7	30th	3.0	2.5	2.8	2.41	2.44	2.43	79.2	81.8	80.5
May	741	50.8	48.2	49.5	42.8	56.4	32.8	18th	67.8	12th	4.1	2.6	3.4	2.72	2.77	2.75	73.7	81.8	77.8
June	957	58.7	57.3	58.0	53.0	65.0	43.9	10th	73.8	23rd	3.4	2.8	3.1	3.94	3.88	3.91	80.3	82.8	81.6
July	879	59.1	57.5	58.3	53.2	64.8	46.8	10th	72.8	16th	3.6	2.7	3.2	3.94	3.93	3.94	79.5	83.2	81.4
August	674	57.6	56.7	57.2	52.8	63.4	45.6	30th	69.2	11th	2.5	2.1	2.3	4.01	3.97	3.99	84.6	86.4	85.5
September	845	56.9	55.8	56.4	51.6	63.5	44.8	7th	75.6	10th	2.8	2.3	2.6	3.83	3.82	3.83	82.8	85.7	84.3
October	569	48.6	47.8	48.2	44.0	55.0	33.0	25th	62.7	4th	2.6	2.3	2.5	2.81	2.79	2.80	82.5	84.0	83.3
November	723	43.1	42.5	42.8	38.7	48.1	31.4	24th	57.8	18th	1.6	1.6	1.6	2.45	2.39	2.42	88.6	87.7	88.2
December	29.759	42.0	42.5	42.3	37.9	48.0	25.2	22nd	58.0	3rd	1.8	1.8	1.8	2.33	2.36	2.35	86.1	86.0	86.1
Year	29.851	48.8	48.2	48.5	43.6	54.9	—	—	—	—	2.7	2.3	2.5	2.90	2.90	2.90	82.0	83.6	82.8

PARSONSTOWN (BIRR CASTLE)

Long. 7° 55' W. Lat. 53° 6' N. Height above Mean Sea Level, 175 feet. Gravity Correction, +.021.

January	ins. 29.887	35.5	37.4	36.5	31.7	43.0	15.8	7th	52.5	28th	0.9	1.0	1.0	in. 19.5	in. 20.7	in. 20.1	90.3	90.3	90.3
February	30.186	41.7	42.2	42.0	35.9	50.8	23.2	9th	58.8	24th	1.4	1.6	1.5	2.38	2.38	2.38	88.2	87.8	88.0
March	29.689	39.5	37.5	38.5	31.4	47.5	17.3	11th	53.6	1st	1.6	1.0	1.3	2.15	2.10	2.13	86.2	90.8	88.5
April	749	46.0	43.3	44.7	35.9	52.3	25.8	8th	62.3	30th	2.5	1.3	1.9	2.55	2.55	2.55	82.5	90.6	86.6
May	612	49.7	46.5	48.1	38.5	56.2	28.8	18th	74.7	12th	3.4	2.2	2.8	2.77	2.68	2.73	77.4	84.3	80.9
June	799	59.5	57.3	58.4	49.8	67.0	38.7	12th	79.7	20th	3.8	2.7	3.3	3.98	3.96	3.97	78.1	83.7	80.9
July	760	58.2	56.3	57.3	50.7	64.4	45.8	16th	73.4	16th	3.0	2.3	2.7	3.98	3.88	3.93	82.4	85.5	84.0
August	549	56.9	54.7	55.8	49.7	62.4	40.8	29.30	66.5	5th	2.7	2.2	2.5	3.88	3.70	3.79	83.7	86.3	85.0
September	705	57.2	53.8	55.5	48.3	62.7	36.8	7th	77.5	11th	3.0	1.6	2.3	3.85	3.75	3.80	81.5	89.8	85.7
October	420	46.3	44.9	45.6	39.0	54.2	26.5	29th	63.7	3rd	2.2	1.4	1.8	2.70	2.72	2.71	85.3	89.8	87.6
November	577	39.9	39.5	39.7	34.1	46.2	26.8	24th	54.9	18th	1.0	1.0	1.0	2.30	2.23	2.27	91.8	91.4	91.6
December	29.615	40.5	41.3	40.9	35.5	47.2	24.8	24th	56.2	3rd	1.1	1.3	1.2	2.36	2.36	2.36	91.5	89.5	90.5
Year	29.712	47.6	46.2	46.9	40.0	54.5	—	—	—	—	2.2	1.6	1.9	2.90	2.87	2.89	84.9	88.3	86.6

DUBLIN (PHOENIX PARK).

Heights above Ground:—Barometer, 4 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	5.2	4.8	5.0	ins. 0.885	ins. .230	16th.	18	1	1	0	5	5	0	2	3	2	2	8	17	7	2	19
February	-	5.3	4.7	5.0	0.060	.020	28th	6	0	0	0	6	5	0	0	0	0	3	3	11	4	0	35
March	-	5.3	3.9	4.6	1.055	.260	14th	19	5	3	0	7	1	0	6	6	3	0	0	12	18	1	16
April	-	6.2	4.6	5.4	1.285	.350	3rd	17	0	1	0	2	6	0	3	8	7	10	1	2	5	0	24
May	-	5.7	5.2	5.5	2.670	.600	7th	18	0	4	0	3	3	0	4	7	2	4	4	3	10	6	22
June	-	6.6	4.6	5.6	2.375	.600	3rd	16	0	0	2	5	4	0	1	9	10	2	7	5	4	0	22
July	-	6.6	5.7	6.2	1.760	.275	20th	20	0	0	2	1	10	0	3	0	3	0	2	8	13	6	27
August	-	7.9	6.0	7.0	4.775	1.150	8th	27	0	0	3	0	8	0	1	1	0	2	5	17	9	3	24
September	-	5.0	4.1	4.6	2.520	.510	13th	19	0	0	0	5	1	0	0	0	0	1	4	20	6	4	25
October	-	4.3	3.1	3.7	2.860	.720	15th	15	0	0	0	11	2	0	0	3	4	5	12	15	4	0	19
November	-	5.6	4.6	5.1	2.645	1.000	10th	17	0	0	0	5	4	0	0	0	2	4	2	10	10	1	31
December	-	4.4	5.0	4.7	3.505	.670	6th	21	0	0	0	7	3	0	0	1	0	1	4	20	14	0	22
Year	-	5.7	4.7	5.2	26.395	—	—	213	6	9	7	57	52	0	20	38	33	34	52	140	104	23	286

DUBLIN (CITY).

Heights above Ground:—Barometer, 6 feet. Thermometers, 3 feet. Rain-gauge, 3 feet 4 inches.

				ins.		ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
--	--	--	--	------	--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

KILLARNEY

Long. 9° 30' W. Lat. 52° 4' N. Height above Mean Sea Level, 86 feet. Gravity Correction, + .019.

1891.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 30.003	39.0	40.0	39.5	34.0	46.5	16.8	6th	54.0	23rd	1.0	1.0	1.0	in. .218	in. .226	in. .222	% 92	% 91	% 92
February -	30.268	45.6	46.3	46.0	40.2	52.7	29.0	12th	64.0	23rd	1.9	1.7	1.8	.263	.274	.269	86	87	86
March -	29.819	42.0	39.8	40.9	33.7	48.4	17.0	12th	59.0	1st	1.9	1.3	1.6	.227	.218	.222	85	89	87
April -	.827	48.0	43.8	45.9	37.4	54.1	25.0	8th	60.1	3rd	2.7	1.6	2.2	.270	.250	.260	81	87	84
May -	.724	50.3	47.0	48.6	40.2	55.8	32.5	27th	72.6	12th	2.9	1.8	2.3	.293	.279	.286	80	86	83
June -	.864	59.9	55.9	57.9	50.0	65.9	38.8	9th	79.0	20th	3.6	2.1	2.9	.406	.385	.396	79	86	83
July -	.889	59.1	56.4	57.8	51.5	64.0	41.5	3rd	73.0	14th	2.9	1.7	2.3	.412	.404	.408	82	89	85
August -	.684	58.2	55.7	56.9	51.7	62.5	42.8	30th	69.0	13th	2.4	1.6	2.0	.412	.397	.404	85	89	87
September -	.819	58.5	55.4	57.0	50.6	63.1	36.0	7th	77.0	11th	2.7	1.5	2.1	.409	.396	.403	83	90	87
October -	.496	49.0	47.5	48.2	41.7	54.5	29.3	30th	61.7	4th	2.2	2.1	2.1	.293	.278	.285	84	84	84
November -	.673	42.0	41.5	41.8	35.1	48.3	25.0	22nd	55.3	18th	1.3	1.2	1.3	.238	.236	.237	89	90	89
December -	29.739	46.0	44.8	45.4	38.7	50.8	25.4	24th	59.0	30th	2.1	1.9	2.0	.262	.253	.258	84	85	85
Year -	29.817	49.8	47.8	48.8	42.1	55.6	—	—	—	—	2.3	1.6	2.0	.309	.300	.304	84.2	87.8	86.0

VALENCIA

Long. 10° 18' W. Lat. 51° 55' N. Height above Mean Sea Level, 9 feet. Gravity Correction, + .019.

1891.	ins.	10 a.m.	10 p.m.	ins.	10 a.m.	10 p.m.	ins.	10 a.m.	10 p.m.	ins.	10 a.m.	10 p.m.	ins.	10 a.m.	10 p.m.	ins.	10 a.m.	10 p.m.	ins.
January -	30.087	41.8	42.1	42.0	38.3	46.5	30.0	2nd, 6th	51.9	28th	1.9	1.8	1.9	.229	.234	.232	85.3	86.0	85.7
February -	30.344	45.7	46.7	46.2	43.4	50.6	33.6	20th	56.7	23rd	2.1	1.8	2.0	.262	.277	.270	85.2	87.1	86.2
March -	29.911	42.8	42.4	42.6	37.9	47.9	28.7	11th	52.5	6th	2.9	2.9	2.9	.219	.217	.218	78.4	78.6	78.5
April -	.905	47.7	46.6	47.2	42.2	52.8	35.5	8th	58.3	19th	3.4	2.6	3.0	.255	.261	.258	77.4	82.1	79.8
May -	.814	50.1	48.6	49.4	44.3	55.1	38.6	18th	65.7	11th	3.1	3.0	3.1	.288	.274	.281	79.3	79.6	79.5
June -	.935	58.6	56.9	57.8	52.3	64.3	42.3	9th	78.2	23rd	3.6	2.8	3.2	.389	.383	.386	79.1	82.9	81.0
July -	.978	58.4	56.7	57.6	53.3	62.7	47.4	3rd	72.0	14th	3.2	2.7	3.0	.395	.383	.389	80.4	83.0	81.7
August -	.778	57.1	55.9	56.5	53.4	61.0	46.8	27th	64.2	16th	2.3	2.1	2.2	.401	.389	.395	85.6	86.3	86.0
September -	.904	56.6	55.5	56.1	52.3	60.5	44.7	7th	71.7	11th	2.6	1.8	2.2	.388	.391	.390	84.0	88.1	86.1
October -	.566	49.6	49.4	49.5	45.4	53.7	35.0	30th	59.1	3rd	2.8	2.7	2.8	.290	.290	.290	81.3	81.7	81.5
November -	.754	44.5	45.2	44.9	41.2	49.3	33.1	24th	53.9	2nd	1.9	2.3	2.1	.252	.250	.251	85.7	83.1	84.4
December -	29.817	46.8	46.6	46.7	42.6	50.1	32.6	24th	54.0	3rd	2.0	2.2	2.1	.277	.273	.275	85.8	84.9	85.4
Year -	29.899	50.0	49.4	49.7	45.6	54.5	—	—	—	—	2.7	2.4	2.6	.304	.302	.303	82.3	83.6	83.0

MONTHLY SUMMARIES.—KILLARNEY—VALENCIA.

KILLARNEY.

Heights above Ground:—Barometer, 7 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1891.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January - -	6.2	6.7	6.5	ins. 4.165	ins. .720	20th	21	0	0	0	4	14	2	11	3	8	1	2	11	12	6	8		
February - -	6.5	5.3	5.9	0.483	.170	21st	10	0	0	0	4	9	1	4	2	5	6	5	12	4	4	14		
March - -	7.3	5.4	6.3	2.537	.610	15th	18	0	3	0	4	11	4	8	11	6	2	0	1	12	15	7		
April - -	6.2	4.9	5.6	1.800	.465	12th	15	0	0	0	7	9	0	3	6	17	4	2	3	4	6	15		
May - -	7.6	5.2	6.4	4.625	1.180	30th	24	0	4	1	2	10	1	13	5	2	0	4	5	7	11	15		
June - -	6.8	6.0	6.4	3.580	1.370	1st	13	0	0	1	4	12	1	1	5	15	2	4	12	5	3	13		
July - -	8.1	7.6	7.8	2.230	.400	17th	19	0	0	0	2	18	2	16	1	3	3	1	8	12	16	2		
August - -	8.2	7.8	8.0	6.665	.840	25th	27	0	0	1	0	16	5	11	0	0	0	4	11	22	11	3		
September - -	6.9	5.4	6.2	4.095	.860	25th	18	0	0	0	1	9	1	3	3	1	5	3	13	17	8	7		
October - -	6.6	5.1	5.8	9.025	1.470	18th	24	0	1	1	3	10	3	0	3	9	4	6	7	24	5	4		
November - -	6.9	6.0	6.5	4.940	.825	12th	21	0	2	0	1	11	2	11	6	2	8	4	4	9	3	13		
December - -	7.7	6.4	7.0	9.295	1.050	4th	23	0	1	0	4	13	7	0	2	3	2	4	14	24	6	7		
Year	7.1	6.0	6.5	53.440	—	—	233	0	11	4	36	142	29	81	47	71	37	39	101	152	94	108		

VALENCIA.

Heights above Ground:—Barometer, 14 feet. Thermometers, 12 feet. Rain-gauge, 2 feet.

		Height above ground.										Height above water.																															
		10 a.m.		10 a.m.		ins.		ins.		7th		20		0		3		1		3		15		13		5		4		3		7		9		8		7		7		12	
		10a.m.	10p.m.	6.9	4.200	.780	7th	20	0	3	1	3	15	13	5	4	3	7	9	8	7	7	12																				
January	-	6.9	6.8	6.9	4.200	.780	7th	20	0	0	0	2	12	6	2	1	5	22	10	6	3	0	7																				
February	-	7.5	6.8	7.2	0.735	.220	7th	12	0	0	0	2	12	6	2	1	5	22	10	6	3	0	7																				
March	-	7.5	5.4	6.5	3.390	.910	31st	19	1	6	0	3	8	5	8	11	4	3	0	3	10	13	10																				
April	-	6.9	6.6	6.8	3.490	.810	12th	14	0	0	0	1	12	3	4	6	14	7	3	5	4	3	14																				
May	-	7.3	5.8	6.6	3.880	1.230	30th	22	0	1	0	2	11	4	27	3	0	4	4	6	2	11	5																				
June	-	7.1	6.4	6.8	4.640	1.180	1st	14	0	0	1	4	11	7	8	2	7	10	10	6	3	2	12																				
July	-	7.5	7.9	7.7	2.060	.510	17th	18	0	0	0	1	16	2	14	1	0	2	5	7	6	15	12																				
August	-	8.5	7.5	8.0	6.240	.900	25th	27	0	0	0	0	17	4	10	0	0	1	4	15	18	9	5																				
September	-	7.7	6.8	7.3	6.130	1.100	8th	23	0	0	0	1	17	9	4	0	1	5	8	16	12	4	10																				
October	-	7.2	6.5	6.9	10.515	1.695	5th	24	0	3	1	2	12	13	2	6	6	1	9	17	8	6	7																				
November	-	7.5	6.4	7.0	5.385	1.030	27th	22	0	2	0	0	13	10	3	2	7	8	4	4	9	7	16																				
December	-	8.1	7.1	7.6	8.690	1.120	12th	24	0	1	1	0	13	17	0	1	3	13	10	17	11	3	4																				
Year		7.5	6.7	7.1	59.355	—	—	239	1	16	4	19	157	93	87	37	50	83	76	110	93	80	114																				

PART III.—ANNUAL SUMMARY of OBSERVATIONS taken at 9 a.m.

Name.	Stations.			Mean Pressure at 82° Fahrenheit.	Air Temperature.										Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Height above Mean Sea Level.	Long.	Lat.		Means of						Absolute Min. and Max.				Depression of Wet Bulb.			Tension of Vapour.			Percentage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Date.	Max.	Date.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Stenness and Deerness	feet. 124 160	3 13 W. 4 45 W.	58° 50' N. 58° 50' N.	ins. 29·637	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

and 9 p.m. each Day, at BRITISH STATIONS OF THE SECOND ORDER, 1891.

Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of										Stations.
9 a.m.	9 p.m.	Mean.	Total.	Max.	Date.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
6.5	5.9	6.2	32.820	1.060	Nov. 11th	196	29	5	5	56	141	93	82	59	49	88	166	93	89	71	33	Stenness and Deerness.	
6.7	6.2	6.5	38.420	2.000	Nov. 11th	244	21	2	0	35	121	23	55	79	164	121	20	79	81	91	40	Lairg.	
—	—	—	29.950	1.440	July 8th	148	21	0	3	—	—	—	88	73	140	44	14	76	161	134	0	Dunrobin Castle.	
6.6	5.7	6.2	30.890	1.270	July 28th	187	5	6	5	32	116	7	31	87	19	103	80	186	34	130	0	Gordon Castle.	
7.5	7.2	7.4	90.130	5.730	Feb. 10th	252	4	3	3	—	—	—	59	2	264	1	7	1	366	2	28	Glenarron.	
5.9	6.0	6.0	28.605	2.520	Sept. 20th	187	31	14	6	20	68	19	51	44	18	77	147	104	91	104	94	Aberdeen.	
7.2	6.9	7.1	48.610	1.640	Aug. 3rd	220	24	1	0	24	139	14	25	148	9	7	55	267	21	3	195	Fort Augustus.	
6.5	6.3	6.4	34.340	1.280	Sept. 20th	188	32	2	1	18	79	12	31	127	38	59	35	366	28	46	0	Braemar.	
7.6	6.9	7.3	78.266	2.096	Feb. 2nd	227	20	5	3	31	186	—	—	—	—	—	—	—	—	—	—	Fort William.	
6.2	6.0	6.1	43.100	1.780	Aug. 17th	195	38	6	7	41	123	51	60	71	56	89	28	81	161	126	68	Lednathie.	
7.0	6.5	6.8	73.830	1.840	Mar. 5th	242	38	17	9	41	162	34	50	32	52	81	40	72	78	95	220	Braemar.	
7.4	7.5	7.5	28.940	2.100	Sept. 20th	179	25	12	5	17	175	51	33	99	46	127	35	127	162	101	0	Dundee.	
6.9	5.9	6.4	41.300	1.390	Oct. 9th	193	4	0	12	30	128	18	42	40	185	15	13	122	202	52	59	Ochertyre.	
5.2	4.7	5.0	47.330	1.250	Dec. 10, 16	233	32	24	9	47	20	91	64	115	22	174	30	152	88	112	3	Caiton Mor.	
7.1	5.8	6.5	29.210	1.040	Sept. 20th	186	20	15	6	42	146	10	21	28	49	29	18	84	149	74	278	Edinburgh.	
7.8	6.5	7.2	36.437	.965	Dec. 15th	203	20	13	9	12	155	1	21	115	104	32	104	147	152	40	15	Glasgow.	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rosewell.	
6.9	6.4	6.7	43.160	1.130	Aug. 17th	232	9	5	7	43	160	6	16	66	88	31	87	105	132	92	113	Rothsay.	
7.0	6.2	6.6	36.360	2.040	Sept. 20th	189	33	6	14	30	126	36	133	58	78	15	51	46	244	58	47	Marchmont.	
—	—	—	34.716	1.271	Sept. 20th	197	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Ladylaw.	
—	—	—	45.140	2.290	Sept. 20th	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wolfelee.	
7.5	6.9	7.2	48.820	1.330	Oct. 5th	209	15	6	5	32	185	21	28	12	24	53	64	40	41	36	432	Pinnore.	
—	—	—	59.370	1.660	Oct. 18th	222	16	9	12	—	—	42	21	28	56	35	106	104	87	74	219	Glenoe.	
5.4	4.9	5.2	47.660	1.380	Oct. 18th	163	12	5	19	30	33	19	67	85	118	51	121	96	111	81	0	Cargen.	
8.1	7.4	7.8	24.542	.991	Aug. 21st	196	35	8	19	18	201	6	45	61	18	11	95	104	68	54	274	Durham.	
7.4	6.4	6.9	44.820	1.520	July 7th	203	24	6	7	32	165	8	48	41	38	104	71	104	96	39	189	Newton Reigny.	
7.2	6.4	6.8	26.440	1.160	July 22nd	193	28	5	24	29	146	17	88	67	21	40	166	173	28	65	82	Rounton, Yorks.	
—	—	—	42.770	1.560	Dec. 9th	201	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Aysgarth.	
6.2	5.0	5.6	27.270	1.360	July 30th	201	22	10	9	46	88	18	58	119	22	34	59	259	111	56	12	Scarborough.	
6.9	6.5	6.7	47.547	2.038	Dec. 12th	189	6	18	10	19	123	51	74	60	76	65	64	110	115	114	52	Cronkbourne.	
6.6	5.8	6.2	23.760	.740	Oct. 13th	198	20	4	7	41	108	7	105	54	73	53	153	69	158	48	17	York (Museum).	
7.7	7.1	7.4	46.903	1.810	Aug. 13th	197	20	19	19	34	209	2	62	94	24	27	79	139	109	41	155	Stonyhurst.	
7.7	7.5	7.6	28.390	1.320	June 4th	165	25	5	19	5	170	10	80	58	48	26	45	91	188	45	149	Wakfield.	
8.0	6.6	7.3	39.880	1.030	June 4th	216	25	20	18	31	207	31	73	2	112	26	160	6	135	17	199	Prestwich.	
7.2	7.1	7.2	31.643	2.031	June 25th	204	17	15	5	4	152	25	30	60	70	140	73	103	150	53	46	Liverpool.	
6.3	5.6	6.0	32.825	.970	Sept. 30th	168	5	6	4	59	121	23	73	59	82	20	77	95	266	55	3	Llandudno.	
7.7	7.3	7.5	52.758	1.300	Jan. 20th	219	21	4	12	12	185	2	8	79	34	37	28	172	97	126	149	Buxton.	
7.0	6.4	6.7	35.720	1.410	July 8th	200	23	5	20	44	140	25	72	43	111	53	77	97	102	105	70	Chaddle.	
7.1	5.9	6.5	29.035	.945	June 4th	221	23	13	26	36	131	7	44	110	38	84	67	223	69	95	0	Hillington.	
7.4	6.0	6.7	27.029	1.275	Oct. 22nd	183	28	5	15	30	162	24	62	92	25	92	175	110	76	71	9	Uppingham.	
7.1	6.2	6.7	34.172	.910	Oct. 13th	205	22	3	8	27	130	6	32	51	75	97	34	117	187	98	39	Churchstoke.	
7.0	5.8	6.4	24.290	.910	Aug. 2nd	201	23	22	22	51	150	4	61	68	71	42	66	151	186	52	30	Geldeston (Beccles).	
7.3	6.3	6.8	27.230	1.000	Dec. 15th	205	24	17	29	48	172	1	30	65	66	47	81	164	125	11	135	Bennington.	
6.7	6.1	6.4	33.140	1.330	Oct. 6th	192	12	4	9	26	141	16	44	88	61	73	73	183	70	106	32	St. David's.	
7.2	6.2	6.7	35.936	.944	Nov. 10th	208	10	20	5	41	153	11	79	52	85	35	66	161	51	58	143	Carmarthen.	
7.1	6.0	6.6	59.340	1.770	Aug. 25th	212	5	19	25	39	148	2	58	64	48	33	93	98	133	87	116	Berkhamsted.	
7.2	6.0	6.6	31.520	1.333	Oct. 6th	196	24	10	26	27	139	10	70	54	47	13	85	172	77	42	170	Kew.	
7.2	6.1	6.7	26.830	1.155	Aug. 20th	233	17	10	26	27	142	2	47	48	92	33	74	216	92	33	95	Margate.	
6.8	5.9	6.4	23.930	1.290	July 27th	192	14	5	7	45	143	11	41	132	41	52	37	232	76	94	25	Southampton.	
7.0	5.6	6.3	38.803	1.610	Aug. 20th	199	20	7	15	72	107	49	88	85	53	44	66	169	133	66	28	St. Leonard's.	
6.2	5.0	5.6	30.548	1.090	Aug. 20th	157	16	2	12	69	105	47	92	68	39	14	155	183	70	78	0	Eastbourne.	
6.1	5.0	5.6	33.060	1.120	Aug. 20th	180	11	9	9	47	140	40	64	127	37	26	52	168	117	71	68	Parkstone.	
7.0	5.7	6.4	37.050	1.520	Aug. 20th	187	16	7	15	50	124	18	76	99	53	50	40	155	108	139	10	Rousdon.	
6.5	5.9	6.2	39.880	1.900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dartmoor.	
6.7	5.5	6.1	46.880	1.580	Nov. 10th	197	17	25	14	39	123	49	52	118	74	34	48	187	128	79	10	Babbacombe.	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plymouth.	
6.6	5.2	5.9	48.030	1.540	Aug. 20th	198	—	6	9	6	40	112	33	90	38	61	45	81	127	117	83	88	Falmouth.
7.3	6.2	6.8	36.400	1.010	Dec. 10th	240	17	11	5	43	161	1	59	79	25	66	93	210	76	93	29	Londonderry.	
—	—	—	43.450	1.140	June 25th	231	12	13	3	—	—	—	0	74	77	31	94	50	139	107	158	0	Lissan (Co. Tyrone).
8.0	7.5	7.8	28.751	.950	Dec. 12th	220	9	4	7	15	222	3	49	76	40	79	204	164	61	51	6	Armagh.	
8.3	7.6	8.0	40.514	1.280	Aug. 24th	209	14	6	8	23	234	3	11	49	2	57	48	263	4	63	233	Brookeborough.	
8.4	8.2	8.3	38.620	1.230	Oct. 13th	241	12	6	6	4	231	2	64	23	38	140	143	90	35	56	141	Markree Castle.	
5.8	5.2	5.5	34.160	1.060	Aug. 17th	236	14	24	12	47	73	5	49	50	54	58	79	154	89	69	128	Arley Cottage (Mount Nugent).	
—	—	—	.950	—	Aug. 24th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Edgeworthstown.
6.1	4.8	5.5	30.790	1.270	Nov. 10th	164	12	10	9	37	61	3	2	76	3	87	15	239	36	79	193	Glasnevin.	
5.7	4.7	5.2	26.395	1.150	Aug. 8th	213	6	9	7	57	52	0	20	38	33	34	52	140	104	23	286	Dublin (Phoenix Park).	
6.2	5.1	5.7	27.820	1.229	Nov. 10th	184	14	25	9	43	76	38	49	54	53	55	84	125	178	86	46	Dublin (City).	
7.2	6.6	6.9	34.781	.965	Dec. 9th	188	10	16	1	39	172	0	4	16	8	91	12	74	34	28	463	Parsonstown.	
7.1	6.0	6.5	53.440	1.470	Oct. 18th	233	0																

PART IV.
TABLE showing the NUMBER of HOURS of BRIGHT SUNSHINE at those STATIONS supplied with SUNSHINE RECORDERS, together with the PERCENTAGE of its possible DURATION.

1891.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1891.
	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	
Stenness and Deerness.	24	11	73	29	120	33	196	46	192	37	151	28	88	16	97	21	98	26	112	36	40	18	39	21	Stenness and Deerness.
Fort William.	25	11	58	22	126	34	163	38	183	36	239	45	120	23	92	20	82	22	100	31	27	11	9	4	Fort William.
Aberdeen.	54	24	80	30	135	37	166	39	183	36	187	35	131	25	114	24	131	34	106	33	43	18	59	29	Aberdeen.
Braemar*.	33	15	113	43	111	31	134	32	162	32	229	43	132	25	84	18	96	25	79	25	30	13	25	13	Braemar*.
Edinburgh.	29	13	56	21	86	24	132	31	136	27	128	25	150	29	121	26	129	34	107	34	41	17	35	17	Edinburgh.
Glasgow.	27	12	35	13	107	29	124	29	150	30	170	33	174	33	121	26	91	24	90	28	16	7	23	10	Glasgow.
Durham.	50	21	92	35	112	31	108	26	162	33	175	34	151	30	101	22	128	34	74	23	42	17	56	25	Durham.
Newton Reigny.	46	19	102	38	98	27	109	26	172	35	231	45	165	32	105	23	98	26	94	30	34	14	40	18	Newton Reigny.
Cronkbourne.	78	32	81	30	164	45	161	38	219	45	208	41	212	42	128	28	136	36	137	43	60	24	43	19	Cronkbourne.
York.	37	15	69	26	109	30	96	23	167	34	176	35	167	33	167	33	126	34	87	27	21	9	22	10	York.
Stonyhurst.	53	24	74	27	92	25	101	24	162	33	192	38	153	30	87	19	126	33	108	33	18	7	24	10	Stonyhurst.
Llandudno.	85	35	120	44	115	32	129	31	159	33	179	36	167	33	117	26	126	34	93	29	43	17	61	27	Llandudno.
Buxton*.	52	21	91	34	78	21	84	20	138	28	138	28	125	25	98	22	150	40	98	30	47	19	54	24	Buxton*.
Hillington.	62	25	104	39	99	27	124	30	178	37	162	33	156	31	133	29	163	44	113	35	41	16	63	28	Hillington.
Churchstoke.	63	26	115	43	90	25	98	24	161	33	—	—	161	32	124	28	159	43	101	31	36	14	55	24	Churchstoke.
Geldeston.	57	23	100	37	120	33	113	27	198	41	166	34	167	34	146	33	192	51	131	40	46	18	60	26	Geldeston.
St. David's, Pembroke†.	62	25	125	46	131	36	134	33	212	44	215	44	191	39	155	35	141	38	137	42	51	20	43	19	St. David's, Pembroke.†
Berkhamsted.	71	28	91	33	99	27	113	27	168	35	182	37	160	32	136	30	136	36	118	36	43	17	47	20	Berkhamsted.
Kew.	75	29	61	22	100	27	118	29	164	34	200	41	181	36	144	32	155	41	112	34	42	16	42	17	Kew.
Southampton.	93	36	123	45	92	25	138	34	205	43	226	46	214	44	185	42	153	41	132	41	62	24	65	27	Southampton.
St. Leonards.	87	34	135	49	105	29	135	33	215	45	224	46	221	45	158	36	172	46	125	38	75	28	80	33	St. Leonards.
Eastbourne.	82	32	118	43	108	30	139	34	216	45	215	44	215	44	151	34	164	44	124	38	57	22	80	34	Eastbourne.
Rosdon.	103	40	148	54	98	27	145	35	206	43	193	40	213	43	161	36	135	36	127	39	80	31	78	33	Rosdon.
Falmouth.	81	31	125	45	121	33	149	36	213	45	164	34	259	53	175	39	158	42	120	36	63	23	64	25	Falmouth.
Armagh.	65	27	72	27	126	34	121	29	153	31	180	35	148	29	89	19	138	36	142	44	48	19	48	21	Armagh.
Markree Castle.	50	21	71	27	125	34	130	31	195	40	191	38	132	26	98	22	113	30	122	38	55	22	32	14	Markree Castle.
Arley Cottage (Mount Nugent).	70	29	74	28	140	38	108	26	155	32	195	39	147	29	94	21	134	36	135	42	62	25	39	17	Arley Cottage (Mount Nugent).
Dublin (Phoenix Park).	91	37	91	34	152	42	137	33	189	39	212	42	168	34	127	28	156	42	160	50	70	27	67	29	Dublin (Phoenix Park).
Parsonstown.	71	29	75	28	102	28	119	29	139	29	179	36	119	24	90	20	148	40	130	40	57	22	55	24	Parsonstown.
Valencia.	84	33	80	29	152	41	176	42	227	47	200	40	166	33	126	28	139	37	136	42	73	28	43	18	Valencia.

At Braemar and at Buxton, Jordan's Photographic Recorders are in use.

* At Braemar and at Buxton, Jordan's Photographic Recorders are in use. At all the other Stations, Stokes', or some other form of Burning Recorder, is employed.
† The values for St. David's, Pembroke, are those obtained from the Sunshine Recorder at St. Ann's Head, the Telegraphic Reporting Station.

APPENDIX.

RESULTS

OF

OBSERVATIONS AT STATIONS OF THE SECOND ORDER

For the 15 Years, 1876—1890.

APPENDIX I.

The Stations of the Second Order giving a continuous record for the 15 years 1876-1890 are 12 in number, namely:—

Stations.	Observers.
Orkney -	<ul style="list-style-type: none"> Rev. C. Clouston, LL.D., till December 1885. W. Irvine Fortescue, till August 1890. M. Spence, from September 1890.
Durham -	<ul style="list-style-type: none"> G. A. Goldney, till September 1885. H. J. Carpenter, F.R.A.S., from September 1885.
M Llandudno -	J. Nicol, M.D., F.R.Met. Soc.
M Buxton -	<ul style="list-style-type: none"> E. J. Sykes, M.B., F.R.A.S., F.R.Met. Soc., till 1884. J. C. Thresh, M.D., from 1885.
M Cheadle -	J. C. Phillips.
M Hillington -	Rev. H. Ffolkes, M.A., F.R.Met. Soc.
Uppingham -	Rev. G. H. Mullins, M.A., F.R.Met.Soc.
M Churchstoke -	P. Wright, F.C.S., F.R.Met.Soc.
M Carmarthen -	G. J. Hearder, M.D., F.R.Met.Soc.
Markree Castle -	<ul style="list-style-type: none"> Miss A. Doberck. A. Marth, F.R.A.S. } For Col. Cooper, F.R.A.S.
Dublin (City) -	J. W. Moore, M.D., F.R.Met.Soc.
Parsonstown, Birr Castle	<ul style="list-style-type: none"> J. L. E. Dreyer, M.A., Ph.D. O. Boeddicker, Ph.D. } For the Earl of Rosse, F.R.S., K.P.

The stations marked "**M**" are in connexion with the Royal Meteorological Society.

In some cases the observations, owing to removal of the observer, absence from home, illness, or other causes, were temporarily interrupted, and some monthly values lost. These gaps have all been filled by careful interpolation, but the figures dependent on such probable values will be found printed in italic type, with a note showing how many of the monthly values are doubtful.

The method followed in compiling the Tables has been to take the values for the 15 Januarys, the 15 Februarys, and so on, and, finding the averages for each month, insert these in the yearly Tables against the month in question.

The results for the Wind and Weather Summaries have been carried out to the first place of decimals, and in consequence it will be found that the wind summary does not always add up to the exact total required. It has been thought better to leave these values without any adjustment for their apparent discrepancy.

Except in the case of Orkney, where the station was successively at Sandwick Manse (Observer, Rev. C. Clouston, LL.D.), Swanbister (Observer, W. Irvine Fortescue, Esq.), and Stenness (Observer, M. Spence, Esq.), the stations are believed to have been without change during the whole period.

The barometer readings have all been corrected, and reduced to 32° Faht., but *not* to the Mean Sea Level. The means shown are in every case based on observations taken at 9 a.m. and at 9 p.m., except at Durham, where the hours were 10 a.m. and 10 p.m. till Sept. 30th, 1885.

The maximum and minimum temperatures have been read each day at 9 p.m., (at Durham, till September 1885, at 10 p.m.) and the readings set down to the day on which they were taken.

The Hygrometrical Results have been deduced from the dry-bulb and wet bulb readings by the use of Glaisher's Tables, 5th Edition, London, 1875.

The rainfall was read daily at 9 a.m., (at Durham till September 1885, at 10 a.m.) and the amounts measured entered to the preceding day, in accordance with the almost universal practice; the number of days of rain are those days when .01 inch, or upwards, of rain was measured in the 24 hours ending at 9 a.m. But in those cases where observers record the amounts to thousandths of an inch, .005 inch has been taken as the lower limit of a rainy day.

The "days" of snow, hail, thunderstorms, and gales are the civil days, ending at midnight, and in enumerating these days no notice has been taken of amount. They must be taken therefore simply as days in which the various phenomena were observed, quite irrespective of amount or intensity.

In counting days of thunderstorm those days are included on which thunder was recorded, even though no lightning was seen; those on which lightning was seen, but no thunder heard, have not been counted.

The days of clear sky are those days when the mean of the cloud amounts at 9 a.m. and 9 p.m. was less than 2; when the mean was greater than 8, the day has been counted as overcast.

The days of gale are those days when force 7 or upwards (Beaufort's scale or its equivalent velocity of 37 miles per hour, Factor 3) was recorded at any time during the day.

In preparing the Summary of Wind-direction, the observations under intermediate points NNE., ENE., &c., have been alternately thrown forward and backward, while those under the points S by E., SE by E., &c., have been taken as S., SE., &c.

ORKNEY

SANDWICK, Long. 3° 18' W. Lat. 59° 2' N. Height above Mean Sea Level, 94 feet. Gravity Correction, +036.
 SWANBISTER, " 3° 8' W. " 58° 56' N. " 68 " " +036.
 STENNESS, " 3° 13' W. " 58° 59' N. " 124 " " +036.

1876—90.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Year.	Max.	Year.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 29° 68'3	38° 9	38° 7	38° 8	35° 4	42° 8	7° 8	1881	54° 1	1889	1° 4	1° 4	1° 4	211	210	211	88° 5	88° 7	88° 6
February -	672	38° 4	38° 1	38° 3	34° 8	42° 4	11° 9	1885	51° 9	1880	1° 4	1° 3	1° 4	206	205	206	87° 7	88° 5	88° 1
March -	656	38° 9	37° 6	38° 3	34° 4	43° 1	12° 7	1881	55° 8	1884	1° 6	1° 3	1° 5	207	202	205	86° 7	88° 5	87° 6
April -	† 747	43° 1	40° 7	41° 9	37° 6	46° 9	25° 6	1876	57° 8	1880	* 2° 2	* 1° 5	* 1° 9	* 234	* 225	* 230	* 83° 3	* 87° 8	* 85° 6
May -	* 798	47° 7	45° 0	46° 4	41° 7	51° 7	29° 4	1877	64° 3	1881	* 2° 8	* 1° 9	* 2° 4	* 269	* 261	* 265	* 80° 8	* 86° 4	* 83° 6
June -	† 806	52° 2	50° 0	51° 1	46° 2	56° 4	33° 0	1890	74° 4	1876	* 3° 0	* 2° 2	* 2° 6	* 317	* 309	* 313	* 80° 7	* 85° 4	* 83° 1
July -	† 699	54° 5	52° 3	53° 4	49° 2	58° 6	35° 8	1887	76° 0	1876	* 2° 7	* 2° 0	* 2° 4	* 354	* 341	* 348	* 82° 3	* 86° 4	* 84° 4
August -	† 709	54° 8	52° 3	53° 6	49° 5	58° 5	37° 0	1886	70° 8	1880	* 2° 6	* 1° 8	* 2° 2	* 361	* 348	* 355	* 83° 3	* 88° 0	* 85° 7
September	742	52° 3	50° 2	51° 3	47° 4	56° 0	34° 0	1888	70° 0	1880	2° 4	1° 9	2° 2	333	320	327	84° 2	87° 2	85° 7
October -	699	46° 8	45° 7	46° 3	42° 6	50° 5	28° 7	1885	63° 5	1882	1° 9	1° 7	1° 8	279	272	276	86° 3	87° 8	87° 1
November	598	41° 9	41° 7	41° 8	38° 3	45° 7	22° 9	1876	58° 0	1881	1° 7	1° 6	1° 7	234	231	233	87° 3	87° 8	87° 6
December	* 29° 60'2	* 38° 7	* 38° 7	* 38° 7	* 35° 0	* 42° 6	20° 3	1880	54° 8	1890	* 1° 4	* 1° 4	* 1° 4	* 209	* 209	* 209	* 88° 6	* 88° 4	* 88° 5
Year -	29° 70'1	45° 7	44° 3	45° 0	41° 0	49° 6	—	—	—	—	2° 1	1° 7	1° 9	268	261	265	85° 0	87° 6	86° 3

DURHAM

Long. 1° 35' W. Lat. 54° 46' N. Height above Mean Sea Level, 336 feet. Gravity Correction, +025.

	ins.													in.	in.	in.	%	%	%
January -	29.563	36.8	36.1	36.5	31.6	41.6	0.2	1881	62.5	1888	1.1	1.0	1.1	.201	.198	.200	89.6	90.7	90.2
February -	.506	38.8	37.1	38.0	32.8	43.8	17.4	1879	58.2	1882	1.5	1.2	1.4	.210	.201	.206	87.5	89.1	88.3
March -	.466	40.7	37.2	39.0	32.7	46.2	10.7	1889	65.4	1882	2.3	1.4	1.9	.212	.198	.205	82.3	87.2	84.8
April -	.467	45.4	40.5	43.0	35.8	50.8	20.6	1881	68.7	1885	2.9	1.2	2.1	.244	.230	.237	80.3	90.3	85.3
May -	.556	51.8	45.1	48.5	40.1	57.6	26.6	1886	77.5	1881	3.8	1.6	2.7	.297	.270	.284	77.0	88.8	82.9
June -	.569	58.3	51.5	54.9	46.4	64.9	33.5	1881	87.0	1878	4.3	1.6	3.0	.369	.342	.356	75.7	89.3	82.5
July -	.487	61.1	54.6	57.9	50.0	68.2	38.3	{ 1887; 1888 }	92.5	1876	4.3	1.7	3.0	.411	.384	.398	76.2	89.3	82.8
August -	.485	60.1	53.9	57.0	49.6	66.6	36.8	1876	89.0	1876	3.8	1.5	2.7	.408	.379	.394	78.5	90.4	84.5
September	.542	55.6	50.9	53.3	46.2	61.7	30.3	1887	80.5	1880	2.8	1.2	2.0	.369	.347	.358	82.7	91.7	87.2
October -	.500	48.4	45.2	46.8	40.7	53.6	22.4	1881	68.1	{ 1879; 1882 }	2.1	1.2	1.7	.297	.279	.288	86.1	90.7	88.4
November	.426	42.1	40.4	41.3	35.8	46.7	13.5	1880	60.9	1890	1.6	1.2	1.4	.239	.231	.235	88.0	90.0	89.0
December	*29.452	*36.8	*36.1	*36.5	*31.7	*41.4	3.0	1878	56.2	{ 1883; 1888 }	*1.2	*1.0	*1.1	*.200	*.197	*.199	*89.2	*89.6	*89.4
Year -	29.502	48.0	44.1	46.1	39.5	53.6	—	—	—	—	2.6	1.3	2.0	.288	.271	.280	82.8	89.8	86.3

LLANDUDNO

Long. 3° 50' W. Lat. 53° 21' N. Height above Mean Sea Level, 88 feet. Gravity Correction, +022.

	ins.													in.	in.	in.	%	%	%
January -	29.882	40.8	40.9	40.9	36.6	45.4	14.5	1881	57.9	1878	1.9	2.0	2.0	.217	.217	.217	83.2	82.9	83.1
February -	.818	41.9	41.5	41.7	37.5	*46.4	24.5	1887	63.4	1878	2.2	2.1	2.2	.223	.221	.222	83.0	83.3	83.2
March -	.787	42.7	41.7	42.2	37.1	*47.4	22.5	1886	67.5	1884	2.7	2.3	2.5	.221	.219	.220	79.5	81.8	80.7
April -	.740	46.9	45.1	46.0	40.2	51.6	27.8	1881	70.7	1878	3.3	2.6	3.0	.249	.244	.247	77.3	81.2	79.3
May -	.845	52.6	49.9	51.3	44.9	57.5	31.4	1876	76.9	1888	4.1	2.9	3.5	.296	.291	.294	74.4	80.6	77.5
June -	.861	58.5	55.4	57.0	50.9	63.4	40.4	1881	93.0	1878	4.4	3.0	3.7	.366	.357	.362	74.9	81.0	78.0
July -	.803	60.4	57.8	59.1	53.9	65.5	42.0	1888	86.6	1876	4.0	2.8	3.4	.404	.397	.401	77.0	82.7	79.9
August -	.791	60.3	57.9	59.1	53.8	65.4	43.5	{1888 1890}	85.8	1876	3.9	2.7	3.3	.405	.402	.404	77.3	83.3	80.3
September	.843	57.4	55.3	56.4	51.1	61.7	38.5	1887	81.8	1880	3.4	2.5	3.0	.378	.369	.374	79.6	84.0	81.8
October -	.808	51.0	49.7	50.4	45.6	55.1	30.0	1880	73.0	1878	2.8	2.5	2.7	.306	.299	.303	81.2	83.1	82.2
November	.741	45.8	45.4	45.6	41.1	49.9	25.7	1880	62.8	1881	2.5	2.4	2.5	.256	.254	.255	82.0	82.7	82.4
December	29.780	41.4	41.5	41.5	37.2	45.6	20.0	1890	60.0	1888	2.0	2.0	2.0	.223	.225	.224	83.8	84.0	83.9
Year -	29.808	50.0	48.5	49.3	44.2	54.6	—	—	—	—	3.1	2.5	2.8	.295	.291	.293	79.4	82.6	81.0

BUXTON -

Long. $1^{\circ} 54' \text{ W.}$ Lat. $53^{\circ} 14' \text{ N.}$ Height above Mean Sea Level, 987 feet. Gravity Correction, $+ .019.$

1870-90.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Year.	Max.	Year.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins.	34.4	*34.8	34.6	29.7	*40.4	1.2	1881	56.3	1888	0.9	*0.9	0.9	.186	*.188	.187	90.7	*90.2	90.5
February -	†.556	36.1	*35.9	36.0	31.3	*41.7	10.0	1876	55.0	{1878} {1885}	1.0	*0.9	1.0	.196	*.195	.196	90.5	*90.6	90.6
March -	*.818	37.7	36.0	36.9	30.7	†44.2	1.2	1886	63.4	1884	1.4	1.0	1.2	.201	.196	.199	87.7	90.0	88.9
April -	*.786	42.6	39.8	41.2	34.4	*49.7	19.9	1879	68.1	1886	2.0	1.3	1.7	.234	.221	.228	85.1	89.1	87.1
May -	*.894	49.4	45.3	47.4	39.0	56.2	19.2	1876	75.8	1888	3.2	1.7	2.5	.282	.268	.275	79.5	87.4	83.5
June -	*.920	55.6	51.7	53.7	45.2	62.8	31.3	1885	80.4	1878	3.8	2.0	2.9	.342	.336	.339	77.5	87.0	82.3
July -	†.862	58.0	54.3	56.2	48.8	64.8	33.8	1884	88.9	1876	3.5	1.9	2.7	.383	.371	.377	79.6	87.5	83.6
August -	.857	57.1	53.6	55.4	48.1	64.1	33.8	1890	85.4	1876	3.1	1.6	2.4	.380	.372	.376	81.5	89.4	85.5
September	.906	53.3	49.9	51.6	44.6	59.7	28.8	1885	80.1	1880	2.3	1.3	1.8	.347	.331	.339	84.9	91.2	88.1
October -	.858	45.7	43.9	44.8	38.9	*51.1	18.4	1880	68.5	1890	1.6	1.2	1.4	.275	.266	.271	88.2	90.5	89.4
November	.792	39.8	39.3	39.6	34.3	†45.2	12.0	1879	58.1	1881	1.1	1.0	1.1	.225	.224	.225	90.1	90.9	90.5
December	28.820	34.8	35.0	34.9	*29.8	†40.2	-4.0	1882	58.2	1888	0.8	0.8	0.8	.190	.192	.191	91.2	91.4	91.3
Year -	28.858	45.4	43.3	44.4	37.9	51.7	—	—	—	—	2.1	1.3	1.7	.270	.263	.267	85.5	89.6	87.6

CHEADLE

Long. $1^{\circ} 57' \text{ W.}$ Lat. $52^{\circ} 58' \text{ N.}$ Height above Mean Sea Level, 646 feet. Gravity Correction, $+ \cdot 020$.

	ins.												in.	in.	in.	%.	%.	%.
January -	29°31'0	34°8	35°8	35°3	31°6	40°4	9°9	1881	56°1	1888	0°8	0°8	0°8	1°187	1°195	1°191	91°1	91°1
February -	242	36°5	37°1	36°8	33°1	*42°8	20°1	1876	58°0	1878	0°9	1°0	1°0	1°197	1°203	1°200	90°9	91°4
March -	198	38°0	37°6	37°8	32°9	45°3	18°2	1886	65°9	1884	1°6	1°3	1°5	1°197	1°200	1°199	85°8	88°3
April -	157	43°0	41°8	42°4	36°5	50°9	24°4	1876	67°7	1885	2°4	1°9	2°2	1°227	1°225	1°226	81°7	84°9
May -	266	49°4	47°5	48°5	41°4	57°2	28°0	1879	74°3	1884	3°3	2°5	2°9	1°275	1°271	1°273	77°6	82°1
June -	288	55°4	53°8	54°6	47°5	63°3	36°8	1881	82°0	1878	3°3	2°6	3°0	1°347	1°344	1°346	79°2	82°9
July -	237	57°7	56°1	56°9	50°6	65°3	37°5	1888	84°8	1876	2°8	2°1	2°5	1°393	1°389	1°391	82°6	86°4
August -	*229	56°7	55°6	56°2	50°1	64°8	37°8	1887	87°0	1876	2°6	2°1	2°4	1°385	1°383	1°384	83°6	86°5
September	*277	53°1	51°9	52°5	47°1	60°5	33°2	1887	80°9	1880	2°0	1°6	1°8	1°352	1°345	1°349	86°8	89°1
October -	232	45°7	45°2	45°5	40°8	52°1	26°4	1887	68°2	1886	1°4	1°3	1°4	1°276	1°274	1°275	89°2	89°9
November	173	40°0	40°3	40°2	36°2	45°9	21°4	1880	60°7	1881	0°9	1°0	1°0	1°229	1°231	1°230	92°1	91°8
December	29°203	35°3	36°0	35°7	31°8	40°6	13°5	1882	56°6	1876	0°7	0°8	0°8	1°193	1°198	1°196	92°3	92°5
Year -	29°234	45°5	44°9	45°2	40°0	52°4	—	—	—	—	1°9	1°6	1°8	1°272	1°272	1°272	86°1	88°1

HILLINGTON

Long. $0^{\circ} 33'$ E. Lat. $52^{\circ} 48'$ N. Height above Mean Sea Level, 88 feet. Gravity Correction, $+0.021$.

	ins.													in.	in.	in.	%	%	%
January -	29°28	35°6	36°0	35°8	31°2	41°4	1°3	1881	56°1	1877	0°9	0°8	0°9	°195	°202	°199	91°1	92°2	91°7
February -	°851	38°1	37°8	38°0	33°4	44°4	5°6	1889	60°2	1878	1°1	0°9	1°0	°212	°212	°212	90°2	91°2	90°7
March -	°797	40°6	38°2	39°4	33°0	48°0	6°0	1890	69°3	1884	1°8	1°2	1°5	°220	°210	°215	85°1	88°7	86°9
April -	*°755	47°0	42°1	44°6	37°1	53°5	21°1	1878	72°4	1885	2°6	1°4	2°0	°267	°244	°256	82°2	89°5	85°9
May -	°864	53°8	47°6	50°7	41°7	60°5	24°4	1877	81°4	1889	3°7	1°6	2°7	°324	°295	°310	77°7	88°5	83°1
June -	°876	60°1	53°8	57°0	47°8	67°3	33°1	1886	87°8	1878	*4°2	*1°6	*2°9	*°398	*°375	*°387	*76°7	*89°8	*83°3
July -	°818	62°6	57°3	60°0	51°1	70°4	36°7	1887	89°5	1881	*4°1	*1°7	*2°9	*°438	*°422	*°430	*77°5	*89°5	*83°5
August -	°811	61°9	56°5	59°2	50°7	69°6	35°9	1876	93°4	1884	3°7	1°5	2°6	°439	°416	°428	79°3	90°5	84°9
September	°864	57°2	52°4	54°8	47°1	64°0	30°2	1887	85°1	1880	2°2	0°9	1°6	°409	°374	°392	86°8	94°2	90°7
October -	°825	48°8	46°1	47°5	41°2	55°4	21°5	1877	77°3	1886	1°5	1°0	1°3	°313	°294	°304	89°3	92°6	91°0
November	°776	41°8	41°0	41°4	36°4	47°5	14°2	1890	59°9	1881	1°0	0°9	1°0	°248	°244	°246	91°6	92°5	92°1
December	29°810	36°1	36°2	36°2	31°6	41°4	5°2	1879	56°6	1889	0°8	0°8	0°8	°202	°204	°203	91°8	92°3	92°1
Year -	29°831	48°6	45°4	47°0	40°2	55°3	—	—	—	—	2°3	1°2	1°8	°305	°291	°298	84°9	91°0	88°0

* One of the 15 monthly values of which this is the mean, is somewhat doubtful.

† Two of the 15 monthly

BUXTON.

Heights above Ground :—Barometer, 8 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1876-90.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Year.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	7.9	*7.2	7.6	ins. 558	ins. 210	1890	16.3	7.4	0.4	0.1	*1.1	*15.1	†0.9	*2.1	*2.9	*5.9	*5.4	*2.3	*9.3	*12.1	*11.1	*10.8
February	-	8.0	*7.1	7.6	4.192	1.870	1881	18.1	8.7	1.4	0.3	*0.8	*14.8	†0.8	*1.9	*3.1	*6.3	*4.5	*1.5	*7.4	*12.1	*10.7	*8.9
March	-	7.2	6.1	6.7	3.946	1.682	1880	16.4	8.7	1.5	0.2	1.9	10.9	0.9	*2.5	*4.8	*6.7	*4.7	*1.6	*7.1	*12.0	*13.2	*9.3
April	-	7.4	6.1	6.8	2.607	1.010	1876	14.5	3.5	1.0	0.9	10.9	10.2	*0.5	†2.5	†6.4	†12.2	†7.2	†2.5	†7.1	†7.4	†7.3	†7.5
May	-	7.0	6.1	6.6	3.457	1.640	1880	14.5	1.1	1.2	1.7	1.1	9.9	*0.1	†2.5	†5.3	†12.1	†4.7	†2.9	†7.0	†9.1	†9.6	†8.8
June	-	6.8	6.8	6.8	3.627	1.220	1883	13.9	0.1	0.5	2.2	1.3	11.1	0.0	1.0	3.6	7.9	4.6	1.9	7.3	10.8	13.9	9.0
July	-	7.4	7.0	7.2	4.544	1.970	1877	16.8	0.1	0.5	2.6	0.3	10.9	*0.0	1.5	2.0	3.8	2.7	2.3	10.7	12.5	17.6	8.9
August	-	7.2	6.3	6.8	4.661	1.490	1880	16.7	0.0	0.5	1.9	1.2	10.7	*0.1	1.2	2.1	4.9	4.4	2.2	9.1	12.3	14.1	11.8
September	-	7.3	6.1	6.7	4.273	1.200	1878	16.1	0.0	0.5	1.5	1.1	10.5	*0.1	1.6	4.9	5.0	4.7	2.1	9.7	11.1	11.2	9.7
October	-	7.5	6.7	7.1	5.114	2.380	1880	18.5	1.5	1.3	0.3	1.0	12.4	*0.3	1.4	3.9	7.2	6.1	1.3	8.8	10.9	13.5	8.9
November	-	7.7	7.0	7.4	5.562	1.570	1890	19.2	4.8	1.1	0.3	0.9	13.7	0.1	1.8	4.4	5.6	3.7	2.0	10.0	11.7	10.4	10.5
December	-	7.7	7.1	7.4	5.123	1.820	1879	17.0	7.6	1.5	0.1	0.4	14.7	0.6	2.1	3.4	4.0	4.9	1.9	10.8	11.7	13.4	9.7
Year	-	7.4	6.6	7.0	51.664	—	—	198.0	43.5	11.4	12.2	12.0	144.9	4.4	22.1	46.8	81.6	57.6	24.5	104.3	133.7	146.0	113.8

CHEADLE.

Heights above Ground :—Barometer, —2 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

				ins.		ins.		Heights above Ground.															
January	-	7.6	7.1	7.4	2.477	1.200	1877	16.4	6.7	0.9	0.1	2.3	16.2	2.9	5.2	3.9	7.9	6.1	7.3	9.3	7.4	6.7	8.3
February	-	7.4	6.6	7.0	2.406	1.090	1881	17.0	6.5	0.7	0.2	2.2	12.8	3.7	4.7	4.7	8.2	4.6	6.7	10.2	6.2	8.1	3.1
March	-	6.7	5.4	6.1	2.343	1.300	1889	16.4	7.3	1.5	0.7	4.8	10.5	4.6	5.7	4.6	11.3	4.7	4.9	8.1	7.9	11.1	3.5
April	-	7.2	5.8	6.5	2.157	1.150	1882	15.1	2.3	2.4	2.3	2.8	11.0	2.3	5.7	8.9	12.4	5.7	5.9	5.6	4.1	7.7	3.9
May	-	6.7	5.9	6.3	2.511	1.650	1886	14.6	0.9	2.1	3.3	3.3	10.7	1.5	5.8	6.8	13.1	4.1	6.4	7.1	6.1	8.7	3.9
June	-	6.7	6.0	6.4	2.991	1.300	1883	13.9	0.1	0.9	3.8	2.7	10.1	0.9	8.1	3.1	10.3	4.7	6.7	6.8	6.9	10.0	3.4
July	-	7.2	6.3	6.8	3.144	1.950	1877	17.5	0.0	0.1	5.0	1.8	11.9	1.0	6.9	1.6	4.7	3.6	7.9	9.8	9.6	14.3	3.6
August	-	7.2	5.6	6.4	3.795	2.330	1880	16.3	0.0	0.3	4.3	2.3	10.4	1.3	5.7	2.3	8.5	4.3	5.7	8.9	10.7	11.1	4.7
September	-	6.7	5.3	6.0	2.976	1.180	1883	15.3	0.0	0.3	1.7	3.7	9.3	1.9	6.1	4.5	8.1	4.5	5.6	8.9	8.5	8.9	4.9
October	-	6.7	6.1	6.4	3.188	1.860	1876	17.5	0.7	1.0	1.3	4.0	12.1	3.1	5.9	5.9	9.7	5.6	5.9	7.8	7.3	10.5	3.3
November	-	7.1	6.5	6.8	3.209	1.220	1880	19.1	2.9	0.9	0.2	3.2	13.5	3.6	6.3	4.3	7.9	4.7	6.9	10.3	7.2	8.9	3.5
December	-	7.4	6.6	7.0	2.973	1.400	1888	17.7	6.3	0.9	0.3	2.7	14.7	2.7	5.4	3.3	7.0	5.5	5.7	10.4	8.4	9.6	6.7
Year	-	7.1	6.1	6.6	34.170	—	—	196.8	33.7	12.0	23.2	35.8	143.2	29.5	71.5	53.9	109.1	58.1	75.6	103.2	90.3	115.6	52.8

HILLINGTON.

Heights above Ground:—Barometer, 4 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

[illegible]

values of which this is the mean, are somewhat doubtful.

§ Doubtful, may have been more.

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

UPPINGHAM

Long. 0° 44' W. Lat. 52° 35' N. Height above Mean Sea Level, 484 feet. Gravity Correction, +0.019.

1876-90.		Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
			9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
						Min.	Max.	Min.	Year.	Max.	Year.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
ins.	35° 2	35° 8	35° 5	31° 8	40° 8	9° 5	1881	57° 7	1888	0° 9	0° 9	0° 9	in.	in.	in.	%	%	%		
January -	29° 484	35° 2	35° 8	35° 5	31° 8	40° 8	9° 5	1881	57° 7	1888	0° 9	0° 9	0° 9	1° 92	1° 97	1° 95	90° 7	90° 8	90° 8	
February -	410	37° 2	37° 2	37° 2	33° 4	43° 4	17° 9	1888	58° 5	1878	1° 1	1° 1	1° 1	2° 04	2° 04	2° 04	89° 8	89° 8	89° 8	
March -	365	39° 1	38° 0	38° 6	33° 3	46° 8	19° 0	1889	65° 6	1884	1° 7	1° 4	1° 6	2° 08	2° 05	2° 07	84° 8	86° 8	85° 8	
April -	318	44° 7	41° 7	43° 2	36° 8	52° 7	24° 5	1881	69° 5	1885	2° 3	1° 5	1° 9	2° 50	2° 36	2° 43	84° 1	88° 5	86° 3	
May -	429	51° 8	47° 5	49° 7	41° 9	60° 1	27° 0	1877	81° 9	1881	3° 2	2° 9	2° 6	3° 39	3° 29	3° 30	79° 7	86° 8	83° 3	
June -	448	58° 2	54° 1	56° 2	48° 2	67° 1	35° 3	1881	87° 9	1878	3° 5	2° 8	2° 7	3° 37	3° 37	3° 38	79° 5	88° 2	83° 9	
July -	397	61° 0	57° 1	59° 1	51° 4	69° 3	38° 2	1888	90° 3	1885	3° 5	2° 1	2° 8	4° 30	4° 09	4° 20	80° 0	87° 1	83° 6	
August -	387	59° 7	56° 2	58° 0	50° 9	68° 2	39° 3	1876	97° 1	1876	3° 2	1° 9	2° 6	4° 17	4° 01	4° 09	81° 2	88° 0	84° 6	
September	437	54° 9	52° 1	53° 5	47° 6	62° 8	32° 9	1885	83° 4	1880	2° 2	1° 3	1° 8	3° 74	3° 60	3° 67	86° 0	91° 0	88° 5	
October -	394	47° 0	45° 3	46° 2	41° 1	53° 6	26° 3	1890	75° 8	1886	1° 5	1° 1	1° 3	2° 94	2° 84	2° 89	89° 6	92° 0	90° 8	
November	341	40° 7	40° 4	40° 6	36° 4	46° 4	20° 6	1880	58° 8	1876	1° 0	0° 9	1° 0	2° 39	2° 38	2° 39	91° 4	92° 0	91° 7	
December	29° 372	35° 7	36° 0	35° 9	32° 1	40° 7	15° 5	1879	56° 1	1888	0° 8	0° 9	0° 9	1° 98	1° 99	1° 99	91° 6	90° 8	91° 2	
Year -	29° 399	47° 1	45° 1	46° 1	40° 4	54° 3	—	—	—	—	2° 1	1° 4	1° 8	2° 92	2° 83	2° 88	85° 7	89° 3	87° 5	

CHURCHSTOKE

Long. 3° 5' W. Lat. 52° 31' N. Height above Mean Sea Level, 538 feet. Gravity Correction, +0.018.

Height above Mean Sea Level, 558 feet.											Gravity Correction, +.018.								
	ins.												in.	in.	in.	%	%	%	
January -	29.427	36.4	36.8	36.6	*31.6	42.5	-1.0	1881	58.5	1888	1.1	1.1	1.1	.199	.201	.200	88.7	89.1	88.9
February -	*.356	*38.6	*38.3	*38.5	†33.5	*44.6	15.7	1876	60.7	1878	*1.4	*1.3	*1.4	*.211	*.208	*.210	*87.8	*88.4	*88.0
March -	.322	39.6	38.4	39.0	32.6	46.6	11.2	1883	64.8	1884	2.0	1.6	1.8	.208	.203	.206	83.3	85.2	84.3
April -	.268	44.3	41.9	43.1	35.8	51.8	22.8	1879	70.8	1886	2.7	2.0	2.4	.237	.227	.232	80.5	84.2	82.4
May -	.381	50.9	47.3	49.1	40.4	58.2	26.7	1883	77.1	1884	3.6	2.3	3.0	.289	.277	.283	77.1	84.1	80.6
June -	.400	57.0	53.5	55.3	46.7	64.6	33.0	1876	83.3	1878	3.7	2.3	3.0	.364	.352	.358	78.1	85.2	81.7
July -	.352	59.6	55.5	57.6	49.8	66.7	36.0	1888	95.1	1876	3.6	2.1	2.9	.404	.385	.395	79.1	86.9	83.0
August -	.342	58.5	55.1	56.8	49.3	66.3	34.0	1890	95.1	1876	3.2	2.0	2.6	.399	.381	.390	81.2	87.2	84.2
September	.390	54.6	51.6	53.1	46.0	61.6	28.8	1885	81.0	1880	2.5	1.6	2.1	.360	.345	.353	84.1	89.0	86.6
October -	.350	47.3	45.6	46.5	40.3	53.6	22.4	1880	72.1	1886	1.8	1.4	1.6	.290	.279	.285	87.4	89.3	88.4
November	.291	41.8	41.3	41.6	36.2	47.5	16.1	1880	61.7	{1881 1890}	1.4	1.3	1.4	.240	.238	.239	88.3	89.1	88.7
December	29.327	37.0	37.3	37.2	32.1	42.7	9.2	1890	56.3	1884	1.1	1.2	1.2	.202	.205	.204	88.7	88.6	88.7
Year -	29.351	47.1	45.2	46.2	39.5	53.9	—	—	—	—	2.3	1.7	2.0	.284	.275	.280	83.7	87.2	85.5

CARMARTHEN

Long. 4° 18' W. Lat. 51° 52' N. Height above Mean Sea Level, 188 feet. Gravity Correction, +0.018.

Height above Mean Sea Level, 188 feet.										Gravity Correction, +.018.									
	ins.												in.	in.	in.	%	%	%	
January -	29.811	39.4	39.0	39.2	34.3	44.9	3.8	1881	56.3	1887	1.1	1.0	1.1	.226	.225	.226	90.4	91.3	90.9
February -	.738	41.5	40.4	41.0	36.2	47.1	20.9	1876	59.7	1878	1.5	1.2	1.4	.236	.230	.233	87.7	89.4	88.6
March -	.702	43.1	40.6	41.9	35.5	49.5	15.0	1890	64.7	1884	2.5	1.5	2.0	.231	.225	.228	81.3	86.9	84.1
April -	.623	48.1	44.0	46.1	38.9	54.2	25.1	1881	74.5	1886	3.6	2.0	2.8	.259	.249	.254	76.7	85.5	81.1
May -	.741	54.4	49.1	51.8	43.8	59.6	29.4	1879	77.2	1890	4.5	2.2	3.4	.312	.298	.305	73.7	85.2	79.5
June -	.766	60.3	54.5	57.4	49.6	65.4	35.5	1890	85.0	1878	4.7	2.1	3.4	.387	.372	.380	74.4	87.2	80.8
July -	.731	62.1	56.8	59.5	52.3	67.2	38.5	1885	88.7	1876	4.2	1.7	3.0	.428	.413	.421	77.4	89.0	83.2
August -	.715	61.5	56.8	59.2	51.6	67.4	38.3	1888	86.0	1876	*3.8	*1.8	*2.8	*.428	*.411	*.420	*78.7	*88.5	*83.6
September	.759	57.6	53.6	55.6	48.5	63.7	32.2	1885	83.0	1880	2.9	1.5	2.2	.395	.377	.386	82.7	90.9	86.8
October -	.720	50.4	47.7	49.1	42.9	56.7	22.8	1880	74.8	1886	2.2	1.3	1.8	.317	.306	.312	85.2	90.5	87.9
November	.671	44.8	43.7	44.3	38.9	50.4	21.3	1887	63.7	1881	1.6	1.2	1.4	.268	.266	.267	88.2	90.9	89.6
December	29.718	39.5	39.3	39.4	34.4	45.4	11.6	1878	57.5	1876	1.0	1.0	1.0	.230	.229	.230	90.9	91.5	91.2
Year -	29.725	50.2	47.1	48.7	42.2	55.9	—	—	—	—	2.8	1.5	2.2	.310	.300	.305	82.3	88.9	85.6

* One of the 15 monthly values of which this is the mean, is somewhat doubtful.
† Two of the 15 monthly values of which this is the mean, are somewhat doubtful.

MONTHLY SUMMARIES FOR FIFTEEN YEARS.

UPPINGHAM.

Heights above Ground:—Barometer, 6 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 6 inches.

1876-90.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Year.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	7.6	7.1	7.4	ins. 1.658	ins. 1.360	1877	15.7	6.2	0.3	0.0	2.7	16.7	2.5	4.1	4.5	3.4	4.4	9.2	14.8	9.4	7.7	4.5
February	-	7.9	6.7	7.3	1.628	7.00	1888	14.9	6.3	0.4	0.0	2.3	14.8	2.2	6.7	5.2	2.8	2.8	7.9	11.7	8.5	7.0	3.9
March	-	7.4	6.1	6.8	1.457	9.54	1882	13.3	7.9	0.8	0.3	3.5	14.4	1.9	7.9	5.3	5.0	3.5	6.5	10.7	11.0	8.1	3.8
April	-	8.0	5.9	7.0	2.187	8.27	1877	15.6	2.7	1.2	1.2	1.7	13.0	1.1	7.2	13.3	5.5	3.9	6.8	7.8	5.7	5.1	4.6
May	-	7.7	5.8	6.8	2.184	1.353	1878	14.5	0.5	1.4	2.5	2.6	13.1	1.5	6.5	14.3	4.5	2.1	7.2	9.3	7.3	5.1	5.7
June	-	7.6	6.7	7.2	1.955	1.227	1885	12.7	0.0	0.3	2.9	1.5	13.9	0.7	6.1	9.6	4.9	2.7	6.3	9.1	10.1	5.7	5.6
July	-	7.8	7.0	7.4	2.694	1.536	1882	15.3	0.0	0.4	4.0	1.3	15.2	0.6	4.7	3.7	2.3	2.3	7.3	13.6	15.2	7.6	5.3
August	-	7.5	5.8	6.7	2.467	1.514	1881	13.9	0.0	0.1	2.8	2.3	11.9	0.6	4.8	5.3	1.5	2.5	7.5	12.5	9.1	10.0	8.9
September	-	7.3	5.7	6.5	2.448	1.576	1883	13.5	0.0	0.1	1.3	3.5	12.4	1.1	6.7	6.1	1.9	2.2	6.8	10.7	7.6	7.7	10.3
October	-	7.0	6.3	6.7	2.625	1.476	1882	17.1	0.8	0.3	0.3	3.5	13.6	1.8	7.4	6.9	3.7	2.5	7.0	9.6	12.4	6.1	6.4
November	-	7.4	6.8	7.1	2.546	.887	1882	17.6	2.5	0.3	0.1	2.5	15.4	3.5	7.1	4.3	2.8	3.1	8.0	13.6	9.5	7.3	4.3
December	-	7.8	6.6	7.2	2.049	.962	1886	17.4	6.5	0.3	0.0	2.7	16.3	2.5	7.4	3.5	2.5	3.5	7.8	13.7	12.7	7.3	3.7
Year	-	7.6	6.4	7.0	25.898	—	—	181.5	33.4	5.9	15.4	30.1	170.7	20.0	76.6	82.0	40.8	35.5	88.3	137.1	118.5	84.7	67.0

CHURCHSTOKE.

Heights above Ground:—Barometer, 12 feet. Thermometers, 4 feet. Rain-gauge, 1 foot 6 inches.

January	-	-	7.5	6.8	7.2	ins. 2.519	ins. 1.380	1890	15.1	5.4	1.0	0.1	1.6	13.8	1.1	1.7	4.2	6.1	9.7	5.4	9.7	12.2	6.8	6.3
February	-	-	*7.7	*6.8	*7.3	*2.470	1.300	1883	*15.5	*5.3	*0.7	*0.0	*1.0	*12.4	*1.0	*2.5	*4.7	*6.3	*7.3	*4.2	*10.9	*9.0	*7.9	*3.8
March	-	-	7.4	6.1	6.8	1.966	1.278	1886	14.5	5.8	1.2	0.2	1.9	11.7	1.1	3.5	5.5	5.7	6.8	3.5	9.5	12.0	11.2	4.4
April	-	-	7.5	6.1	6.8	2.054	2.094	1889	15.4	2.3	1.2	0.8	1.7	11.2	0.5	4.5	8.3	7.4	8.5	2.9	7.7	8.0	9.4	3.3
May	-	-	6.8	5.8	6.3	2.410	2.780	1886	14.8	0.5	0.9	1.7	2.6	9.7	0.4	5.3	5.6	5.3	8.6	3.3	10.7	10.4	9.3	3.7
June	-	-	6.8	6.1	6.5	2.370	1.170	1887	14.2	0.0	0.3	2.4	1.9	8.6	0.2	3.7	3.9	3.9	5.8	4.0	10.5	10.7	12.8	4.8
July	-	-	7.2	6.2	6.7	2.741	1.650	1879	16.4	0.0	0.1	2.3	1.4	9.5	0.7	2.4	2.1	1.7	4.7	3.1	15.6	14.4	13.2	4.7
August	-	-	7.1	5.8	6.5	3.021	2.372	1885	14.8	0.3	0.1	2.7	1.8	9.1	0.7	2.1	4.1	3.8	5.3	2.8	11.5	14.5	11.2	6.5
September	-	-	7.3	5.9	6.6	2.467	1.135	1877	14.7	0.1	0.2	0.7	1.8	11.4	0.5	2.5	3.7	2.9	6.3	3.0	11.1	11.8	10.7	7.9
October	-	-	7.5	6.6	7.1	3.232	1.842	1880	17.3	1.1	0.5	0.3	1.3	12.5	1.0	3.3	6.1	4.9	8.3	3.4	9.9	10.3	10.3	5.5
November	-	-	7.4	6.8	7.1	3.553	1.180	1878	18.8	2.3	1.1	0.4	1.1	13.5	0.9	3.7	4.2	3.3	9.3	3.0	12.5	12.1	8.6	3.3
December	-	-	7.4	6.9	7.2	2.833	1.696	1881	16.1	5.7	0.7	0.1	1.7	13.5	1.1	3.5	4.0	6.5	8.6	1.9	9.6	13.5	11.1	3.3
Year	-	-	7.3	6.3	6.8	31.636	—	—	187.9	28.8	8.0	11.7	19.8	136.9	9.2	38.7	56.4	57.8	89.2	40.5	129.2	138.9	122.5	57.5

MARKREE CASTLE, SLIGO.

Long. 8° 27' W. Lat. 54° 11' N. Height above Mean Sea Level, 122 feet. Gravity Correction, + .024.

1876-90.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Year.	Max.	Year.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins. 29.769	38.4	39.1	38.8	33.8	44.8	-2.3	1881	56.8	1890	1.1	1.1	1.1	in. 218	223	221	90.2	90.5	90.4	
February -	*.720	40.1	39.8	40.0	34.8	46.3	10.8	1889	57.7	1883	1.2	1.1	1.2	228	226	227	89.6	90.2	89.9	
March -	*.726	41.8	40.0	40.9	34.3	48.3	16.2	1886	62.6	1884	1.9	1.4	1.7	230	223	227	84.8	88.1	86.5	
April -	*.676	46.6	43.4	45.0	37.3	52.8	24.2	1888	69.7	1886	3.0	1.9	2.5	253	244	249	79.2	85.8	82.5	
May -	†.787	*52.1	*48.0	*50.1	*41.3	*57.7	26.0	1879	75.2	1881	*3.7	*2.2	*3.0	*300	*287	*294	*76.6	*85.0	*80.8	
June -	*.795	57.2	53.2	55.2	46.9	62.7	29.7	1881	83.3	1887	3.7	2.2	3.0	367	351	359	78.1	86.0	82.1	
July -	*.796	58.5	55.0	56.8	49.8	63.9	33.3	1889	85.2	1876	3.3	1.8	2.6	396	385	391	80.7	88.0	84.4	
August -	.725	58.5	54.8	56.7	49.4	64.3	32.2	1890	80.2	1880	2.9	1.6	2.3	408	387	398	82.9	89.3	86.1	
September	.774	55.1	51.5	53.3	46.0	60.7	30.3	1879	77.2	1880	2.5	1.4	2.0	369	348	359	84.5	90.2	87.4	
October -	.751	48.7	46.4	47.6	41.2	54.5	19.4	1880	69.1	1883	1.8	1.4	1.6	333	321	327	87.1	90.0	88.6	
November	.663	42.7	42.2	42.5	36.9	48.7	16.3	1890	59.4	1881	1.3	1.2	1.3	252	249	251	89.8	90.2	90.0	
December	29.702	37.8	38.3	38.1	32.7	44.0	5.3	1878	55.7	1888	0.9	1.0	1.0	217	219	218	91.9	91.6	91.8	
Year -	29.735	48.1	46.0	47.1	40.4	54.1	—	—	—	—	2.3	1.5	1.9	295	286	291	84.6	88.7	86.7	

DUBLIN (City).

Long. 6° 15' W. Lat. 53° 20' N. Height above Mean Sea Level, 47 feet. Gravity Correction, + .022.

	ins.												in.	in.	in.	%	%	%	
January -	29.909	40.6	41.4	41.0	37.1	45.7	15.2	1881	58.8	1888	1.8	1.9	1.9	.222	.226	.224	85.7	84.9	85.3
February -	.849	41.7	42.1	41.9	38.1	46.9	21.7	1889	59.4	1878	1.9	2.0	2.0	.228	.228	.228	85.1	84.2	84.7
March -	.837	42.3	42.2	42.3	37.6	48.2	23.0	1886	61.1	1884	2.5	2.3	2.4	.224	.224	.224	81.3	81.9	81.6
April -	.783	46.7	45.4	46.1	40.8	52.1	25.4	1876	66.1	1885	3.2	2.6	2.9	.250	.249	.250	78.3	81.6	80.0
May -	.889	52.9	50.5	51.7	45.3	58.2	31.8	1879	72.5	1889	4.4	3.0	3.7	.293	.295	.294	72.7	79.8	76.3
June -	.907	58.6	56.3	57.5	51.0	64.0	36.8	1881	78.4	1887	4.6	3.3	4.0	.364	.364	.364	73.7	79.9	76.8
July -	.849	60.3	58.5	59.4	53.7	66.0	42.9	1888	87.2	1876	4.4	3.0	3.7	.395	.403	.399	75.4	81.8	78.6
August -	.840	59.2	57.6	58.4	53.2	65.0	41.2	1885	78.9	1887	3.3	2.4	2.9	.406	.406	.406	80.4	85.1	82.8
September	.891	55.5	54.2	54.9	50.0	61.0	34.4	1885	74.8	1880	2.5	2.0	2.3	.373	.368	.371	84.1	86.7	85.4
October -	.862	49.1	48.7	48.9	44.6	54.4	28.2	1880	66.6	1888	2.1	2.0	2.1	.302	.300	.301	85.5	86.2	85.9
November	.787	44.2	44.6	44.4	40.4	49.4	26.3	{1878) 1890}	63.0	1890	1.9	1.8	1.9	.255	.259	.257	86.1	86.5	86.3
December	29.827	39.9	40.7	40.3	36.2	45.0	13.3	1882	59.6	1888	1.6	1.6	1.6	.220	.225	.223	87.0	86.6	86.8
Year -	29.853	49.3	48.5	48.9	44.0	54.7	—	—	—	—	2.9	2.3	2.6	.294	.296	.295	81.3	83.8	82.6

PARSONSTOWN, BIRR CASTLE.

Long. 7° 55' W. Lat. 53° 6' N. Height above Mean Sea Level, 175 feet. Gravity Correction, + .021.

	ins.													in.	in.	in.	%	%	%
January -	29.770	38.8	39.4	39.1	34.2	45.2	5.0	1881	56.5	1880	1.1	1.1	1.1	.220	.225	.223	90.0	90.0	90.0
February -	.715	40.5	40.2	40.4	35.6	47.1	19.3	1888	58.0	1885	1.3	1.3	1.3	.230	.226	.228	88.8	88.8	88.8
March -	.712	41.9	40.3	41.1	34.6	49.2	17.5	1886	61.2	1886	2.0	1.4	1.7	.230	.227	.229	84.6	88.1	86.4
April -	.645	46.9	43.7	45.3	37.6	53.7	21.7	1888	70.7	1886	3.1	1.9	2.5	.254	.246	.250	78.5	85.7	82.1
May -	.755	52.8	49.1	51.0	42.4	59.3	28.0	1885	77.2	1881	4.1	2.4	3.3	.301	.293	.297	74.8	83.5	79.2
June -	.776	58.0	54.9	56.5	48.5	64.6	32.0	1881	84.8	1887	3.9	2.4	3.2	.374	.368	.371	77.1	84.8	81.0
July -	.729	59.7	56.7	58.2	51.3	66.0	36.8	1890	89.1	1876	3.7	2.1	2.9	.404	.401	.403	78.8	86.6	82.7
August -	.714	59.1	56.0	57.6	50.9	65.8	34.4	1887	81.2	1876	3.3	1.9	2.6	.407	.397	.402	80.7	87.7	84.2
September	.763	55.4	52.2	53.8	47.3	61.6	29.8	1885	78.6	1880	2.6	1.6	2.1	.370	.354	.362	83.6	89.3	86.5
October -	.737	48.2	46.6	47.4	41.4	55.0	21.6	1880	66.6	1878	1.9	1.5	1.7	.299	.290	.295	86.8	89.4	88.1
November	.660	42.5	42.4	42.5	37.2	49.2	18.6	1890	60.7	1885	1.4	1.3	1.4	.249	.251	.250	89.0	89.9	89.5
December	29.700	37.8	38.3	38.1	32.8	44.2	7.7	1878	57.7	1877	*1.0	*1.1	*1.1	*214	*217	*216	*90.2	*90.5	*90.4
Year -	29.723	48.5	46.7	47.6	41.2	55.1	—	—	—	—	2.5	1.7	2.1	.296	.291	.294	83.6	87.9	85.8

* One of the 15 monthly values of which this is the mean, is somewhat doubtful.
† Two of the 15 monthly values of which this is the mean, are somewhat doubtful.

MARKREE CASTLE.

Heights above Ground:—Barometer, 5 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1876-90.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Year.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January - -	8.3	8.2	8.3	ins. 3.109	ins. 1.500	1888	20.5	2.9	1.5	0.2	1.1	19.8	1.0	2.1	1.9	2.5	14.4	11.5	9.5	4.3	3.3	12.5		
February - -	8.5	8.1	8.3	2.598	1.170	1884	19.6	2.3	1.9	0.3	0.5	17.7	0.5	3.8	1.9	2.3	10.5	9.1	8.2	3.6	4.7	12.4		
March - -	8.1	7.2	7.7	2.729	1.296	1882	21.3	3.9	2.9	0.0	1.2	16.8	0.7	5.7	2.7	3.5	9.2	7.9	7.8	4.6	7.3	13.1		
April - -	7.9	7.2	7.6	1.881	.740	1886	17.1	0.8	1.7	0.2	1.7	15.5	0.3	6.0	5.3	6.1	11.4	6.9	5.4	2.6	4.9	11.3		
May - -	*8.0	*7.4	*7.7	2.524	.860	1886	*17.6	*0.1	*1.7	*0.3	*1.5	*17.7	*0.1	*6.7	*3.9	*5.3	*8.5	*7.7	*6.9	*3.6	*7.2	*12.3		
June - -	8.1	7.8	8.0	2.790	1.810	1883	17.1	0.0	0.4	1.5	0.7	17.1	0.0	8.3	2.1	3.4	7.9	8.2	6.2	2.9	6.7	14.3		
July - -	8.7	8.4	8.6	3.409	1.840	1883	21.9	0.0	0.1	1.3	0.3	21.0	0.0	6.7	1.5	1.3	6.1	8.9	7.6	4.5	8.5	17.0		
August - -	8.6	8.1	8.4	3.607	1.210	1888	21.3	0.0	0.1	0.9	0.5	20.8	0.0	5.5	2.5	2.3	7.7	10.2	5.7	3.6	6.9	17.6		
September - -	8.4	8.0	8.2	3.622	1.800	1887	20.5	0.0	0.4	0.2	0.3	18.2	0.3	5.3	2.0	2.2	8.5	10.0	6.0	3.6	5.7	16.7		
October - -	8.2	7.7	8.0	3.928	2.140	1886	19.5	0.0	1.1	0.3	1.5	18.8	0.9	6.1	3.1	2.9	9.9	10.1	6.0	2.9	5.5	15.5		
November - -	8.2	7.9	8.1	3.859	1.430	1890	23.5	0.9	1.7	0.2	1.1	18.7	0.7	3.9	2.1	2.7	9.5	8.8	9.5	4.0	5.8	13.7		
December - -	8.2	7.9	8.1	3.716	.940	1890	22.6	2.9	1.9	0.2	1.5	19.5	0.6	3.0	1.3	2.2	10.4	9.5	8.9	4.3	5.0	17.4		
Year - -	8.3	7.8	8.1	37.772	—	—	242.5	13.8	15.4	5.6	11.9	221.6	5.1	63.1	30.3	36.7	114.0	108.8	87.7	44.5	71.5	173.8		