

Official, No. 101.



5054-5

METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER

For the Year 1888.

Published by Direction of the Meteorological Council.



LONDON:

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BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

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1892.

Price Twenty-two Shillings.

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ERRATA.

- Page 7.—Wolfelee, January, Wind, 1st. For "———" read "*SW, SW.*"
 „ 15.—Dunrobin, February, Remarks, 29th. For "✱ showers *a.*" read "● showers *a.*"
 „ 19.—Stonyhurst, February, Wind, 21st, 9 a.m. For "N" read "N 1."
 „ 120.—Braemar, December, Mean Vap. Ten. 9 p.m. For "·281" read "·208."
 „ 170.—Markree Castle, Mean Pressure for the year. For "28·756" read "29·756."
 „ 172.—Glasnevin, Position. For "Lat. 52° 23' N." read "Lat. 53° 23' N."

NOTE.—In this volume, as in those that have preceded it, no correction has been applied to the Barometer readings to reduce them to the Gravity of Latitude 45°.

A Table giving the *data* for this reduction will be published in the volume for 1889.



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1888

Price 2s. 6d. (net)

STATIONS OF THE SECOND ORDER 1888.

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.



OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER, 1888.

Part I.—Detailed Observations.

In the present volume the "A" stations, or stations the observations from which are published *in extenso* on Form A., are the same as for the years 1886 and 1887. 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.
Swanbister, Orkney	- W. Irvine Fortescue.
S Dunrobin Castle	- D. Melville (for the Duke of Sutherland, K.G.).
S Braemar	- James Aitken.
Laudale	- A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
S Dundee	- W. Ross McKelvie.
Glasgow	- Prof. R. Grant, M.A., LL.D., F.R.S.
S Wolfelee	- W. Cockburn (for Sir W. Elliot, K.S.I.).
M Scarborough	- W. Robinson.
Cronkbourne, Isle of Man	- A. W. Moore, M.A., F.R.Met.Soc.
Stonyhurst College	- The late Rev. S. J. Perry, M.A., F.R.S.
M Hillington	- Rev. H. Ffolkes, M.A., F.R.Met.Soc.
M Churchstoke	- P. Wright, F.C.S., F.R.Met.Soc.
M Carmarthen	- G. J. Hearder, M.D.
M Margate	- J. Stokes, F.R.Met.Soc.
Southampton	- J. T. Cook (for the Director General of Survey).
M 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)	- Sergt. Lipscombe (for Lieut.-Col. Coddington, R.E.).
Parsonstown	- O. Boeddicker, Ph.D. (for the Earl of Rosse, F.R.S.).

The stations in the above list marked with "S" and "M" 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) Leicester and St. Leonards disappear from the list, the first owing to the death of the observer, Mr. J. C. Smith, the latter owing to the discontinuance of the evening observations.

It will be noticed that in this "B" list there are included, as in 1886 and 1887, the observatories, or Stations of the First Order, in connexion with the Meteorological Office. Although the results from these stations, four in number, are already published in detail, abstracts based on two observations daily are included in the present volume in order to make the representation 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 have been reduced to the mean sea level, are now given without that reduction, that is, for station level. They are, however, corrected for instrumental error and reduced to 32° Fahrenheit as before. This change has been made in consequence of the doubt which attaches to the formula for the reduction of barometer readings to the mean sea level, whenever the height of the station is considerable.

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 for 1883-1886, 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.

As before, the examination, and correction if required, 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, while the reduction of the observations printed in detail, except for Wolfelee, has been carried out in the Meteorological Office.

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 corrections which have been applied to the readings of the various instruments at these stations are those which were determined by Dr. Buchan, on his inspection tour in the summer of 1883, and which have been confirmed by subsequent comparisons.

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 at all the stations, except at Wolfelee (where the hour was 9 a.m.), 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 the Vienna Congress and used in the "Remarks" columns:—

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

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*.

* "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 previous volumes the symbols for Solar and Lunar Halos and Coronæ have been by accident transposed. They are correct as printed above.

SWANBISTER.—JANUARY 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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.	37.2	33.3	30.8	37.4	2.0	1.5	in.	in.	°/o	°/o	SSW 3	S 1	10	8	ins.	Overcast all day.	
2	28.95	29.19	37.2	33.3	30.8	37.4	2.0	1.5	184	160	83	84	SSE 2	SSW 2	10	1	0.060	✱ (sleet) ga.	
3	28.95	29.05	34.3	35.4	32.0	35.4	1.5	1.6	169	177	84	85	SW 4	S 5	3	10	0.310		
4	29.32	29.48	38.6	42.2	34.8	42.2	3.8	1.5	165	237	71	88	SSE 7	SSE 7	10	10	0.050	Overcast all day.	
5	29.17	29.25	46.5	44.5	41.4	46.9	2.5	1.5	259	259	83	89	SSE 5	W 4	10	4	0.240	[golden, clear sky green	
6	31	31	43.0	42.1	41.1	44.6	0.7	3.3	262	203	94	76	SSW 3	WSW 6	8	3	0.070	Remarkable sunrise, cir.-s. reddish	
7	30.60	30.54	40.3	47.2	38.1	47.2	1.7	3.4	215	247	87	77	SW 3	SSW 3	8	10	0.120	2 showers before ga.	
8	29.75	29.75	44.9	44.0	42.6	47.2	1.2	0.5	269	277	91	96	WSW 8	WSW 6	10	10	0.010		
9	29.80	29.80	50.5	49.0	43.1	51.2	1.0	0.8	342	327	94	94	WSW 5	SW 5	9	5	—		
10	30.19	30.32	48.5	47.5	46.7	49.3	2.2	2.2	288	276	85	85	NNW 0.5	SW 0.5	3	10	—		
11	31	31	43.0	46.4	39.1	48.9	1.5	2.0	245	269	88	86	Calm 0	SSE 1	3	10	—	Fine day. ☁ sp. Lovely sunset.	
12	31	31	40.2	40.6	38.0	46.8	0.2	0.2	245	249	98	98	WNW 0.5	SSW 1	10	10	—	Overcast all day.	
13	35	35	36.1	39.0	35.0	44.6	0.4	1.0	205	218	96	92	S 3	S 3	10	10	—	Overcast all day.	
14	36	36	44.4	43.6	38.0	44.6	0.4	0.5	277	277	97	97	S 1	ESE 1	10	10	—	Overcast all day.	
15	36	36	41.0	40.6	39.0	44.1	0.4	1.2	248	227	97	90	SSE 1	SE 3	10	10	0.010		
16	36	36	38.0	39.0	37.0	43.1	1.0	1.0	208	218	91	92	SSW 3	NW 1	10	8	—	Overcast all day.	
17	36	36	38.8	39.0	35.0	42.1	1.2	2.6	212	188	90	80	SE 1	SSW 2	9	5	—		
18	36	36	37.0	35.7	33.6	39.0	3.3	3.5	160	147	73	70	WNW 1	W 3	9	10	—	Overcast all day.	
19	43	43	30.30	37.2	38.3	30.2	38.9	2.8	1.8	170	196	77	85	W 1	S 1	9	10	0.170	Overcast all day.
20	30.22	29.98	33.0	41.2	31.8	41.2	1.0	1.4	167	229	89	89	SW 1	Calm 0	10	10	0.080		
21	29.55	29.51	44.0	45.1	40.6	47.1	1.0	0.1	265	298	92	90	WNW 3	W 5	10	9	0.040		
22	30	30	45.1	47.0	43.6	47.0	0.1	1.8	298	280	99	87	WSW 7	WSW 8	10	9	0.030		
23	30	30	47.0	49.0	42.7	49.1	1.0	2.0	298	298	93	86	WNW 6	SW 1	6	10	0.320		
24	30	30	44.4	44.8	42.1	49.8	3.6	2.3	216	245	74	83	WNW 1	N 1	10	10	0.530		
25	30	30	42.5	40.7	39.0	44.8	0.6	0.1	250	252	95	99	NW 5	NNW 4	7	2	0.050	☁ showers a. ✱ ☁ showers 9p.	
26	30	30	30.03	36.0	35.2	34.1	40.7	0.7	2.8	199	153	94	74	NNW 8	N 7	7	3	0.080	✱ ☁ showers.
27	29.86	29.86	30.04	31.8	24.7	35.6	2.3	1.4	085	148	58	82	NNW 2	NNW 3	7	7	0.080	✱ showers before ga. ✱ in deep	
28	30.02	29.98	31.5	32.8	30.9	35.9	1.5	0.6	143	174	80	93	N 1	WSW 3	5	8	0.110		
29	30.00	30.00	32.0	36.0	30.0	38.1	1.0	1.0	157	193	87	91	WNW 1	SSW 5	5	8	—		
30	29.72	29.72	38.0	33.0	30.0	39.1	2.0	2.0	190	147	83	78	NNE 1	N 5	10	10	0.280	✱ (sleet) p.	
31	29.40	29.40	29.2	38.0	27.0	39.1	1.2	1.0	127	208	79	91							
Mean	29.941	29.943	39.6	40.6	36.2	43.2	1.5	1.5	216	224	86.3	87.1	2.8	3.2	8.1	8.1	2.780		

DUNROBIN CASTLE.—JANUARY 1888.

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.

1	29.51	29.27	34.1	31.5	27.7	38.7	2.0	1.0	157	154	79	87	S	S	—	—	0.050	Frosty a. Dull p.
2	30.04	29.21	32.3	32.1	28.5	34.9	0.5	1.0	173	159	94	87	SW	NW	—	—	0.120	* showers.
3	30.48	29.49	36.5	41.2	29.5	43.0	1.6	2.0	186	217	86	85	NW	NW	—	—	0.050	Fine and clear a.
4	30.26	29.31	50.7	47.7	30.6	51.5	4.7	4.0	258	240	70	73	SW	SW	—	—	0.050	Fresh and breezy a. * (sleet) showers p.
5	30.38	29.67	44.2	39.2	34.5	48.3	1.7	3.0	253	183	87	76	NE	NW	—	—	—	Dull and mild.
6	30.70	29.76	38.2	45.4	34.5	47.3	1.8	4.1	195	217	85	72	SW	NW	—	—	—	Cloudy and mild.
7	29.87	29.90	41.9	45.4	37.1	48.7	0.4	1.1	257	278	97	92	NE	NE	—	—	—	Fine, clear, and mild.
8	30.02	30.25	55.0	48.5	45.2	55.0	3.7	2.2	332	283	77	85	W	W	—	—	—	Fine and mild.
9	30.29	30.45	43.9	42.4	41.5	57.2	2.2	1.9	239	231	83	86	NW	NW	—	—	—	Fine and mild.
10	30.39	30.50	42.4	38.2	37.4	53.7	1.1	1.0	247	210	91	92	NE	N	—	—	—	— Fine.
11	30.51	30.47	35.8	32.5	32.5	43.3	1.3	0.2	186	181	89	98	NW	N	—	—	—	— Cloudy p.
12	30.43	30.54	31.1	34.1	28.7	44.3	0.6	0.3	160	191	92	97	NW	NE	—	—	—	Dull and mild.
13	30.62	30.68	40.4	43.2	33.7	43.2	1.0	0.9	230	260	92	92	N	NW	—	—	—	Dull and mild. (mist) p.
14	30.68	30.67	39.9	39.2	37.8	43.3	1.3	1.3	219	214	90	89	N	E	—	—	—	Dull and mild.
15	30.68	30.68	37.1	38.6	35.6	40.0	1.9	2.0	185	196	84	84	NW	E	—	—	—	Clear p.
16	30.67	30.65	36.5	39.4	35.1	40.5	1.3	1.5	192	212	89	88	N	NE	—	—	—	—
17	30.62	30.61	31.1	29.8	29.3	40.7	1.8	1.7	132	121	75	73	N	NW	—	—	—	—
18	30.61	30.60	30.3	27.5	26.0	36.2	0.5	0.0	157	150	93	100	NW	NW	—	—	—	—
19	30.53	30.38	30.1	30.3	25.5	37.3	1.0	1.4	142	188	84	88	N	NE	—	—	—	—
20	30.33	30.10	25.1	37.6	24.0	37.6	0.0	0.4	136	217	100	97	N	NW	—	—	—	—
21	29.66	29.66	42.9	44.9	36.6	46.5	4.0	1.4	196	265	71	60	NW	NW	—	—	—	Fine and mild.
22	29.76	29.86	48.5	46.4	43.7	49.5	5.0	2.4	230	260	68	83	SW	W	—	—	—	Blow a. Clear and fine p.
23	29.87	29.81	47.5	51.0	44.2	51.7	5.0	5.7	220	242	68	65	W	W	—	—	—	Fine a.
24	29.97	29.93	45.6	43.6	43.2	52.3	2.9	2.1	242	238	79	84	W	SE	—	—	—	Dull and mild a. p.
25	29.87	29.86	37.6	39.4	36.8	45.5	0.4	2.2	217	199	97	83	SE	NW	—	—	—	Dull a.
26	29.81	29.81	37.4	34.5	32.3	40.7	1.8	1.7	189	167	85	83	NE	N	—	—	—	* showers a.
27	30.01	30.13	35.3	31.3	28.5	35.9	3.5	1.2	143	147	69	84	NW	NW	—	—	—	Clear and frosty.
28	30.14	30.07	32.3	33.5	30.3	35.6	0.4	0.2	177	188	98	98	N	NW	—	—	—	Clear day.
29	30.10	30.05	30.3	34.3	29.5	38.5	0.0	0.2	169	194	100	98	N	NW	—	—	—	Clear p.
30	29.87	29.79	35.3	36.8	32.5	42.5	1.8	1.6	169	188	83	87	N	NW	—	—	—	Clear p.
31	29.42	29.07	37.6	34.1	31.0	40.5	1.7	3.3	192	135	85	69	NE	NW	—	—	—	Cold wind p.
Mean	30.035	30.050	38.3	38.7	33.9	44.0	1.8	1.7	199	204	85.1	86.0	—	—	—	—	—	—

BRAEMAR.—JANUARY 1888.

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.

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.	31.7	26.5	24.0	33.1	1.8	0.8	138	119	77	83	NE	1	S	1	9	8	ins.	Dull, with ✱ showers.	
2	28.80	27.98	25.5	33.5	25.5	34.0	0.4	0.8	124	176	90	92	S	0.5	S	2	10	4	110	✱ a. Fair p.	
3	28.88	28.37	34.9	37.6	32.8	38.6	2.2	1.2	160	201	79	90	SW	0.5	SW	6	2	10	550	Clear a. Dull, with ● p.	
4	31	31	42.8	41.6	37.0	45.1	2.3	2.0	227	210	83	80	SW	6	SW	8	10	10	1050	● all day. Very high rivers.	
5	31	31	40.6	36.4	36.0	43.0	1.3	2.7	225	166	89	77	SW	0.5	SW	2	10	1	150	● a. Fair p.	
6	31	31	46.3	42.4	33.6	43.5	3.0	1.9	170	231	75	86	SW	2	SW	1	6	9	020	Dull, with ● showers.	
7	31	31	47.6	46.5	41.3	47.1	2.6	2.0	213	270	81	87	SW	2	SW	1	7	8	—	Fine day.	
8	28.76	29.05	47.5	46.5	45.3	48.3	2.0	2.2	251	266	87	85	SW	2	SW	2	8	5	—	Fine day.	
9	29.15	29	46.5	47.5	45.1	52.6	2.6	2.6	257	227	82	79	SW	2	SW	0.5	3	0	—	Red sky a. Fine day.	
10	29.24	29	48.7	38.6	38.1	52.3	3.5	2.0	261	196	76	84	SW	4	SW	1	5	0	—	Red sky a.	
11	33	30	24.5	25.9	24.5	47.5	1.6	1.2	081	102	63	73	SW	0.5	SW	0.5	3	0	—	Red sky a.	
12	36	29	24.9	29.2	23.8	45.3	0.4	0.5	121	147	90	92	SW	0.5	SW	0.5	1	0	—	Red sky a.	
13	39	42	27.7	33.9	24.6	39.9	0.5	0.6	136	200	90	95	SW	0.5	SW	0.5	7	10	—	☁ (mist) all day.	
14	42	40	29.6	30.0	28.6	38.0	0.9	0.5	140	153	85	92	SW	0.5	SW	0.5	10	8	—	☁ (mist) all day.	
15	43	42	27.1	30.4	26.6	33.7	0.4	0.9	135	148	92	87	W	0.5	W	0.5	10	10	—	☁ ga. and gp. ☁	
16	37	37	31.5	31.1	29.9	33.9	0.8	0.5	159	167	90	94	SW	0.5	SW	0.5	7	5	020	☁. ☁ gp.	
17	39	40	28.7	26.9	26.6	33.7	1.0	0.9	122	117	83	81	W	0.5	SW	0.5	7	4	—	Fair and clear.	
18	39	40	28.9	23.0	23.0	34.4	0.4	0.5	147	106	93	86	SW	0.5	SW	0.5	7	0	—	Fair and clear.	
19	28	29	20	14.7	16.9	14.4	33.7	0.5	0.7	070	071	82	77	SW	0.5	SW	0.5	0	0	—	Fair and clear.
20	29.07	28.07	30.0	36.9	16.1	39.5	0.5	0.5	154	209	92	96	SW	0.5	SW	0.5	7	7	100	Fair and clear.	
21	28.51	30	41.9	44.6	36.1	46.3	0.8	2.1	248	248	94	84	SW	0.5	SW	2	9	4	—		
22	54	63	42.8	43.6	41.9	48.5	2.0	2.7	232	226	85	79	SW	0.5	SW	1	6	1	—	Fine day.	
23	80	71	42.8	44.6	41.5	46.8	2.6	3.1	221	228	80	77	SW	2	SW	4	7	6	—	Fine day.	
24	81	74	42.8	39.8	38.1	47.5	3.1	1.2	212	220	77	91	W	2	SW	0.5	7	9	130	Fine a. ● p.	
25	66	38	41.9	36.9	36.9	46.7	0.6	2.3	233	176	95	81	SW	0.5	SW	4	8	8	350	Dull, with ●.	
26	57	58	35.2	32.7	31.4	44.5	1.1	3.0	184	127	89	68	NW	4	N	1	10	8	040	✱	
27	75	76	31.3	27.9	33.4	40.5	1.6	0.9	130	125	78	82	N	2	N	6	10	10	100	✱	
28	84	81	28.7	29.7	24.4	35.3	0.8	0.5	135	151	86	91	N	1	N	0.5	4	7	—	Fair and clear.	
29	82	80	30.3	24.7	24.6	35.7	0.6	1.0	154	100	91	75	N	0.5	N	1	8	1	—	Fair and clear.	
30	65	17	31.7	36.9	22.2	37.6	0.9	0.8	158	203	89	93	NE	1	SW	1	6	7	040		
31	28.02	28.50	35.2	26.7	26.7	37.8	2.5	1.3	158	106	77	73	NE	8	NE	4	10	9	560	✱ ● (sleet) showers.	
Mean	28.819	28.822	34.5	34.6	30.5	41.3	1.5	1.5	175	174	84.5	83.9	1.5		1.8	6.9	5.5	3.180			

DUNDEE.—JANUARY 1888.

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.

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.	32.3	28.1	27.0	33.6	0.6	1.2	in.	in.	93	77	SW	1	NW	1	10	10	ins. 060	Dull day.	
2	29.40	29.15	32.3	28.1	27.0	33.6	0.6	1.2	171	118	93	77	SW	1	NW	1	10	10	050	* till 11a. (2 ins. deep).	
3	28.89	12	29.7	28.8	25.0	31.4	0.1	0.2	162	153	98	97	NE	1	NW	1	10	10	350		
4	29.44	52	35.7	37.4	27.6	38.1	1.3	1.0	185	204	88	91	W	2	W	1	5	10	480	(gale) till 10a.	
5	30	31	45.7	40.9	37.0	46.7	1.3	1.9	277	216	91	85	S	10	SW	1	10	10	160	n. and till 8p.	
6	27	48	38.8	38.4	37.9	42.1	0.3	1.5	230	202	98	87	E	1	NW	1	10	10	—	Dull day.	
7	68	66	36.4	43.0	32.5	45.4	0.8	0.8	200	259	93	94	SW	1	W	1	5	10	—	Dull day.	
8	81	29.84	44.0	46.4	41.2	46.8	1.0	1.1	265	289	92	92	W	1	W	1	0	10	—	Dull day.	
9	29.94	30.16	49.0	49.5	46.2	51.3	1.3	2.1	315	302	91	86	W	4	W	6	10	10	—	Dull day.	
10	30.25	34	48.4	46.2	43.6	52.5	1.5	2.4	303	259	89	84	W	6	W	2	10	5	—		
11	35	36	45.5	43.9	42.2	48.5	0.6	1.6	291	251	96	87	SW	2	W	2	10	0	010	Fine day.	
12	40	38	40.6	33.5	32.8	44.5	0.9	0.2	234	188	93	98	W	1	W	1	10	7	010	Dull day. ~~~	
13	38	39	31.7	35.6	30.6	37.3	0.2	1.0	175	190	98	91	NW	1	NW	1	10	10	—	~~~~~ ² till 3p.	
14	48	51	32.9	37.0	30.0	37.5	1.0	0.4	107	212	89	96	SW	1	W	1	10	10	020	Dull day. ~~~	
15	51	50	38.3	37.9	36.5	39.9	0.2	1.0	227	207	99	91	NE	1	NE	1	10	10	—	Dull day.	
16	49	50	37.2	37.8	36.2	39.1	0.5	0.4	212	218	95	97	NE	1	E	1	10	10	020	Dull, with 0 showers.	
17	47	44	36.2	36.9	34.3	41.4	1.1	2.3	193	170	90	81	NE	1	SE	2	10	10	010	Dull, with 0 showers.	
18	49	49	34.5	36.0	33.9	37.5	0.5	1.4	190	186	95	87	NW	1	NE	1	10	10	010	Dull, with * 0 0 (sleet) showers.	
19	51	49	36.5	35.0	34.4	38.1	2.3	1.4	174	176	81	86	SE	1	E	1	10	10	—	Dull day.	
20	38	30.27	28.3	27.5	27.1	36.3	0.8	0.9	132	123	86	83	NW	1	W	1	0	0	—		
21	30.17	29.96	34.1	39.3	26.7	39.3	2.0	0.8	157	225	79	94	W	1	W	1	10	10	160	Dull day. ~~~ from 2p.	
22	29.59	46	41.4	42.1	37.9	48.0	0.7	0.6	246	255	95	95	SW	1	W	1	10	10	010	0 5a.—7.30a. Dull day.	
23	58	71	45.5	42.2	40.3	51.1	2.3	0.5	253	258	83	96	W	2	W	1	0	10	—	Fine day.	
24	91	82	44.0	45.7	41.1	48.9	2.7	2.4	230	253	79	83	W	1	SW	2	10	10	—	Fine day.	
25	81	47.6	45.1	44.1	49.9	1.8	0.6	286	286	88	95	W	2	W	1	10	10	020	Dull day. 0 sp.		
26	72	36	47.0	40.5	40.4	49.8	0.9	2.0	308	212	94	85	W	1	SW	2	10	10	420	0 9a.—3p.	
27	62	99	40.9	34.5	33.0	41.4	4.1	2.6	178	151	70	75	NW	8	NW	6	10	7	—	(gale) at times. * 0 showers.	
28	85	84	35.7	29.2	27.3	37.4	3.8	0.9	143	136	67	84	NW	6	NW	10	7	0	030	(gale) 0 showers. * 11a.—1p.	
29	92	89	32.5	29.7	28.0	37.3	2.1	0.1	141	162	76	98	N	8	NW	1	0	5	120	Fine day.	
30	93	91	33.3	34.7	29.2	37.3	1.1	2.9	168	147	88	73	NW	1	NW	2	10	10	010	Dull day. * at night.	
31	73	33	31.5	36.4	29.4	32.8	0.7	1.4	161	189	91	88	W	1	W	1	7	10	110	~~~~~ (mist).	
31	29.05	29.56	32.6	35.6	30.3	37.8	0.7	1.3	171	184	92	88	N	1	NE	8	10	10	070	* 0 9a.—11a. from 2p.	
Mean	29.916	29.921	38.3	37.9	34.3	42.1	1.3	1.3	211	206	88.9	88.5	2.3	2.0	8.2	8.5	2.130				

GLASGOW.—JANUARY 1888.

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.

1	29°37'	29°11'	35°3'	30°9'	28°1'	36°4'	1°7'	2°0'	1°74'	1°26'	84	73	SE	1	NNE	1	10	10	200	Dull and overcast. ✱ ⁰
2	28°91'	10	29°8'	34°7'	26°9'	35°7'	0°4'	1°4'	1°55'	1°74'	93	86	NNE	1	S	1	10	4	—	✱ ² before 9a.
3	29°44'	41	35°4'	41°1'	32°1'	41°9'	0°8'	1°2'	1°91'	2°32'	92	91	S	1	SE	1	4	10	400	
4	24	24	46°8'	43°3'	38°2'	48°3'	1°6'	2°5'	2°81'	2°27'	89	81	SSE	4	ENE	1	10	10	320	Overcast, with squally ☂ ●.
5	23	53	43°9'	38°7'	36°2'	46°1'	1°5'	2°5'	2°53'	1°87'	88	80	SSE	1	SW	1	10	0	220	Overcast, with ☂ ⁰ . Fine later.
6	05	68	42°0'	44°6'	35°3'	47°7'	1°8'	1°1'	2°29'	2°69'	86	92	SSE	1	S	1	10	3	040	
7	29°85'	29°89'	45°8'	48°5'	41°3'	48°9'	1°8'	0°7'	2°66'	3°23'	86	95	S	1	SW	3	9	10	059	● showers.
8	30°05'	30°22'	46°9'	48°9'	45°4'	50°7'	0°5'	0°8'	3°46'	3°25'	97	94	SSW	2	SSW	6	10	1	010	Overcast, with ☂ ⁰ . Squally 9p.
9	32	39	48°0'	43°1'	40°6'	51°5'	0°9'	1°2'	3°12'	2°52'	94	91	SW	1	SW	1	4	1	—	
10	38	39	46°9'	44°9'	39°4'	48°1'	0°5'	1°0'	3°09'	2°75'	97	93	SW	1	SSW	1	10	10	—	Dull and overcast.
11	40	37	43°3'	41°4'	39°2'	45°9'	1°3'	0°9'	2°51'	2°41'	90	93	SSW	1	S	1	8	10	—	Dull and cloudy.
12	37	39	34°5'	39°3'	31°7'	42°9'	0°1'	1°1'	1°98'	2°18'	99	91	SW	1	SW	1	10	10	—	Gloomy and overcast.
13	45	49	33°6'	40°8'	30°6'	41°4'	0°2'	1°2'	1°88'	3°30'	98	90	N	1	ENE	1	10	10	—	☂ ⁰ 9a. Dull and overcast.
14	47	46	40°8'	38°4'	36°1'	42°1'	0°8'	1°2'	2°38'	2°08'	94	90	NNE	1	NNE	1	10	10	—	Gloomy and overcast.
15	45	46	37°9'	38°5'	35°0'	39°9'	1°4'	1°2'	2°00'	2°09'	88	90	NE	1	NE	1	10	10	—	Gloomy and overcast.
16	43	40	36°6'	35°8'	33°5'	39°3'	1°0'	1°4'	1°97'	1°82'	92	87	NE	1	NE	1	10	10	—	
17	42	42	32°6'	36°0'	28°4'	38°8'	1°6'	2°0'	1°51'	1°74'	82	82	NNE	1	NNE	1	3	10	—	┌
18	44	45	34°6'	31°8'	28°9'	38°0'	2°3'	0°8'	1°56'	1°61'	78	90	ENE	1	NE	1	4	1	—	
19	39	26	26°7'	32°4'	24°1'	35°9'	0°3'	1°4'	1°36'	1°53'	95	84	SW	1	W	1	10	10	—	☂ ⁰ a. Dull and overcast. └
20	30°17'	30°02'	34°7'	38°4'	28°7'	38°9'	2°7'	0°6'	1°51'	2°20'	74	95	N	1	ENE	1	10	10	200	Gloomy, overcast, and threatening.
21	29°63'	29°50'	46°3'	46°3'	36°0'	47°7'	0°3'	0°7'	3°07'	2°97'	98	95	SSW	1	S	1	10	10	160	Dull and overcast.
22	64	79	43°7'	45°3'	40°2'	48°1'	0°6'	2°0'	2°71'	2°57'	95	85	SSW	1	W	1	8	6	—	
23	96	91	46°6'	47°8'	42°1'	49°5'	2°0'	2°8'	2°71'	2°66'	86	81	SW	3	SW	1	4	8	—	Cloudy, with squally ☂.
24	94	86	47°3'	48°7'	43°7'	49°4'	1°0'	0°7'	3°02'	3°25'	93	95	SW	1	SSW	2	9	10	508	Cloudy, with squally ●.
25	72	29°34'	46°0'	41°5'	38°7'	49°3'	0°5'	2°5'	3°09'	2°99'	97	81	S	1	S	5	10	10	390	Cloudy, with squally ☂ ●.
26	70	30°02'	40°3'	35°8'	33°6'	44°8'	2°3'	2°0'	2°04'	1°72'	82	82	WNW	1	WSW	1	10	1	—	
27	93	29°03'	35°8'	29°9'	26°9'	40°9'	1°5'	3°6'	1°81'	1°085'	87	51	SW	1	WNW	1	8	1	—	Squally ☂.
28	94	90	30°3'	27°6'	25°3'	36°8'	2°2'	0°4'	1°16'	1°39'	68	93	W	1	SW	1	3	1	—	
29	93	92	28°3'	30°4'	21°2'	38°1'	0°3'	1°4'	1°46'	1°35'	95	79	SW	1	SSW	1	4	9	015	
30	77	35	32°8'	39°7'	28°0'	40°1'	0°8'	1°2'	1°70'	2°19	91	90	WSW	1	SSW	4	9	8	200	✱ before 9a.
31	29°08'	29°55'	35°4'	37°3'	30°4'	40°6'	3°1'	2°1'	1°50'	1°83'	72	83	WNW	1	N	1	10	10	090	Overcast, with ✱ ●.
Mean	29°924'	29°927'	39°1'	39°4'	33°7'	43°3'	1°2'	1°5'	2°20'	2°215'	89°0	86°5	1°2		1°5	8°3	7°2	2°812		

WOLFELEE.—JANUARY 1888.

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.

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.	33°	30°	31°	36°	2°	1°	in.	in.	%	%	—	—	—	—	ins.	Dull, cold, and blowy.
2	28° 39'	28° 09'	33°	30°	31°	36°	2°	1°	152	140	79	83	SW	SW	—	—	110	✱ (sleet) early a.
3	28° 39'	28° 25'	37°	32°	28°	37°	1°	1°	200	164	91	88	SW	SW	—	—	040	Fine and clear. Blowy p.
4	29° 04'	29° 10'	30°	37°	30°	39°	1°	1°	197	195	92	87	SW	SW	—	—	230	Stormy n. and a. Fair and blowy p.
5	28° 89'	28° 85'	44°	43°	36°	44°	1°	4°	259	192	88	68	SW	SW	—	—	310	a. Fair p.
6	28° 81'	29° 07'	40°	39°	37°	47°	1°	2°	226	204	92	84	S	SW	—	—	030	Fine and clear a. Dull p.
7	29° 24'	24	36°	43°	30°	42°	2°	0°	179	266	83	96	W	SW	—	—	—	Fine a. Dull and blowy p.
8	40	48	43°	46°	36°	45°	1°	1°	245	276	88	90	W	W	—	—	030	Blowly a. Fine p.
9	58	77	47°	50°	43°	48°	1°	1°	304	328	93	89	SW	SW	—	—	—	Very fine.
10	87	92	47°	42°	44°	51°	1°	0°	304	261	93	96	SW	W	—	—	—	Fine, clear, and fresh.
11	91	90	46°	42°	38°	49°	1°	1°	293	243	93	90	SW	SW	—	—	—	☼ (mist) p.
12	94	92	40°	31°	38°	50°	1°	1°	226	137	92	78	SW	S	—	—	—	Fine and clear.
13	88	90	31°	32°	24°	41°	1°	1°	148	147	85	81	S	S	—	—	—	Dull. ☼ p.
14	96	99	34°	37°	28°	44°	1°	0°	180	214	90	95	SW	SW	—	—	030	Dull a. and p.
15	97	97	39°	36°	34°	39°	0°	5°	228	197	96	92	NE	NE	—	—	—	Dull and calm a. ☼ p.
16	98	96	35°	35°	33°	39°	1°	1°	189	189	91	91	NE	NE	—	—	010	Dull, cloudy, and cold.
17	92	92	33°	33°	31°	39°	1°	2°	162	147	84	78	E	E	—	—	—	Dull and cold. Calm p.
18	94	94	33°	34°	30°	36°	1°	2°	165	161	87	80	NE	SE	—	—	—	Fine and clear.
19	97	97	31°	26°	28°	36°	1°	0°	137	141	78	100	SE	SE	—	—	—	Fine and clear.
20	90	80	22°	24°	17°	34°	0°	0°	118	111	100	86	NW	NE	—	—	—	Dull a. and p. Blowy p.
21	61	58	31°	38°	18°	31°	1°	0°	148	218	85	96	SW	SW	—	—	080	Dull and blowy a. Fine and blowy p.
22	17	02	43°	46°	31°	47°	1°	2°	260	270	92	86	SW	SW	—	—	060	Very fine. Blowy p.
23	13	32	40°	46°	37°	48°	1°	2°	226	270	92	86	SW	NW	—	—	—	Fine and clear a. Dull and cloudy p.
24	53	50	41°	44°	32°	50°	1°	1°	225	255	88	88	SW	W	—	—	—	Dull and blowy.
25	50	46	47°	45°	41°	48°	1°	0°	258	287	87	96	SW	SW	—	—	010	Dull, with ☼ showers a. Blowy p.
26	33	00	45°	40°	42°	50°	1°	1°	275	226	92	92	W	W	—	—	460	Fine and blowy a.
27	15	52	38°	34°	32°	46°	1°	2°	208	147	91	75	NW	NW	—	—	—	Blowy a. ✱ p.
28	45	36	31°	26°	27°	47°	0°	1°	158	113	89	79	NW	N	—	—	—	Clear and calm a. Fine and clear p.
29	42	41	27°	20°	24°	42°	0°	0°	130	084	89	76	NE	N	—	—	—	Dull, with ✱ a. Fine and clear p.
30	44	29° 44'	31°	20°	14°	40°	1°	1°	154	061	87	57	N	W	—	—	—	Dull a. ✱ Dull and blowy p.
31	28° 30'	28° 09'	31°	32°	16°	36°	1°	1°	148	164	85	88	W	SW	—	—	—	Dull, with ✱ a. (2½ ins. deep).
31	28° 51'	29° 01'	32°	35°	29°	38°	0°	0°	174	194	95	95	N	NE	—	—	—	
Mean	29° 454'	29° 476'	37° 2	36° 3	31° 2	42° 7	1° 1	1° 3	203	194	89° 3	86° 0	—	—	—	—	1° 430	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JANUARY 1888.

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.

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.	35.0	35.0	34.3	39.5	0.4	0.3	in.	in.	%	%	SE 4	ESE 4	8	10	ins.	Dull day. (mist) p.	
2	29.44	29.15	35.0	35.0	34.2	40.6	0.4	0.4	in.	in.	95	97	W 2	W 4	10	1	0.001	Dull day. [] p. [showers p.	
3	28.97	29.27	38.1	46.8	36.6	46.8	0.2	0.3	in.	in.	97	98	SW 2-3	SSE 6	7	10	0.156	Δ a. Dull day. Squally p.	
4	29.59	29.57	40.0	40.0	41.8	50.0	1.2	0.4	in.	in.	98	97	S 7-8	SE 4	10	10	0.130	Squally (force 9) a. Dull day.	
5	39	34	49.0	44.0	41.8	50.0	1.2	0.4	in.	in.	97	97	ESE 3-4	SSW 1	10	1	0.050	(mist) a. Dull day.	
6	26	26.1	44.4	41.2	40.8	44.8	0.2	0.4	in.	in.	98	97	SSW 4-5	SW 2	10	10	0.020	Δ a. Overcast, with (mist).	
7	29.77	29.80	45.4	47.0	32.9	47.5	0.0	0.0	in.	in.	100	100	SSW 4-5	SW 2	10	10	0.003	a. Dull day. Δ p. [] p.	
8	30.02	30.08	47.0	47.8	44.4	48.8	0.2	0.3	in.	in.	99	98	WSW 3	SW 4	9	10	0.013	Δ a. Dull, with 0 p.	
9	29	36	51.0	51.0	52.4	52.4	0.0	1.0	in.	in.	100	93	WSW 6	WNW 3	10	7	0.032	Δ a. Overcast, with (mist).	
10	29	46	51	45.8	44.5	51.0	0.1	0.2	in.	in.	99	93	W 2	W 1-2	10	10	0.048	Overcast, with all day. [] p.	
11	29	48	45.0	44.1	42.8	45.2	0.1	0.1	in.	in.	99	99	S 2	SSW 2	10	10	—	Overcast, with (mist) p.	
12	29	47	43	42.8	39.8	38.4	44.2	0.1	0.4	in.	in.	99	99	S 2	SE 2	10	10	—	Overcast, with (mist) p.
13	29	43	46	37.5	40.2	36.7	42.8	0.2	0.4	in.	in.	99	96	Calms	Calms	10	10	—	Overcast, with (mist) p.
14	29	51	51	40.8	38.9	38.9	41.0	0.8	0.4	in.	in.	97	97	N 1	NE 1	10	10	—	Overcast, with (mist) p.
15	29	48	46	40.6	41.6	38.2	42.7	0.3	0.6	in.	in.	97	95	NNE 1	E 3	10	10	—	Overcast, with (mist) p.
16	29	45	45	39.8	39.8	38.8	41.6	0.3	0.4	in.	in.	97	97	E 2	ESE 4	9	8	—	Dull day.
17	29	44	37	38.4	36.8	36.8	39.8	0.4	0.3	in.	in.	98	98	ESE 3	E 7	9	10	—	Overcast. Squally p.
18	29	40	42	36.1	35.3	35.3	39.3	2.2	2.3	in.	in.	98	78	ESE 4-5	ESE 6	10	10	—	Overcast, with squally p.
19	29	45	48	35.3	36.0	34.2	38.0	1.8	2.0	in.	in.	83	82	ESE 4-5	ESE 4-5	9	8	—	a. and p. Dull day.
20	29	43	32	34.2	37.8	34.2	37.8	2.0	1.8	in.	in.	85	85	SE 2	SE 2	8	10	—	(sleet) showers 5 p.
21	30.25	30.12	39.8	45.0	37.0	45.0	1.4	0.0	in.	in.	100	100	SE 3	SSE 2	10	10	0.518	Overcast, with (mist) p.	
22	29.77	29.66	50.0	47.0	44.4	50.7	0.3	1.4	in.	in.	95	90	W 4-5	WNW 5	9	8	0.030	a. Dull day. Squally p.	
23	29.75	29.92	45.0	47.7	43.8	48.0	0.3	0.9	in.	in.	98	91	NW 4	NW 5-6	10	7	0.017	Dull and squally. (mist) showers.	
24	30.16	30.13	45.8	47.8	42.8	47.8	1.3	2.2	in.	in.	84	84	W 3	WSW 3-4	4	10	—	Fine a. Dull p.	
25	30.15	30.09	47.9	50.0	45.6	50.0	1.1	1.3	in.	in.	93	91	WSW 5	WSW 4-5	9	10	—	Squally a. Overcast.	
26	29.91	29.64	47.9	43.0	42.8	50.0	1.9	2.8	in.	in.	79	79	WSW 4	WSW 6-7	9	3	0.061	Dull, with squally (mist) showers p.	
27	29.87	30.15	44.0	39.8	38.4	45.8	3.0	1.8	in.	in.	77	83	NW 7-9	NW 6	8	7	0.317	Squally 2. Δ showers p.	
28	30.05	29.98	40.1	32.0	30.5	42.0	0.9	3.0	in.	in.	93	65	NW 4-5	N 3	8	1	0.131	a. Δ showers.	
29	29.98	29.95	34.1	28.2	28.0	38.8	0.8	1.2	in.	in.	91	77	NNW 1	N 1	0	0	—	Very fine day.	
30	29.97	30.00	35.0	30.0	27.2	38.8	1.2	0.3	in.	in.	88	95	NNE 3	NW 1	2	7	0.012	Very fine day.	
31	29.85	29.60	35.2	40.0	28.1	40.0	0.4	0.5	in.	in.	96	96	NW 3	WSW 3	10	10	0.101	Δ 7 a. Dull day. (mist) p.	
31	29.08	29.43	37.0	40.0	35.2	40.6	0.5	0.5	in.	in.	96	96	N 6-7	NNE 6-8	6	6	0.028	Squally Δ a. (sleet) showers.	
Mean	30.012	30.022	41.6	41.2	37.9	44.4	0.8	0.9	in.	in.	93.0	92.0	3.4	3.5	8.5	7.9	1.992		

STONYHURST.—JANUARY 1888.

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.

1	29.28	28.97	30.3	30.1	27.7	34.0	2.2	0.8	.115	.146	69	87	Calms	0	NBYE 1	8	10	200	Overcast and gloomy p. *		
2	28.78	29.07	39.7	35.9	29.2	41.4	0.6	0.7	.232	.198	95	84	S	4	Calms	10	9	135	Overcast, with a. Very gloomy p. [mist] p.		
3	29.43	29.47	33.9	39.8	33.0	40.0	0.2	1.4	.191	.217	98	80	Calms	0	SSE 3	8	10	—	a. [mist] p.		
4	32	24	44.3	41.8	35.8	44.8	3.0	5.0	.127	.173	77	66	SbyE 7	7	SEbyS 2	10	10	—	a. Overcast and gloomy.		
5	31	43	44.3	41.5	40.0	45.3	1.5	1.5	.258	.230	88	88	SE	2	WSW 2	10	10	085	Dull, overcast, and gloomy. Evening clear.		
6	36	60	38.0	44.8	33.9	44.8	0.3	0.8	.222	.278	97	94	swb.s 1	1	swb.s 1	10	10	078	Overcast. a. p.		
7	29.81	29.92	42.9	44.9	41.9	46.1	0.6	1.6	.263	.261	95	88	WSW 2	2	swb.w 1	10	10	204	Dull and overcast.		
8	30.02	30.16	48.3	46.4	44.0	50.4	0.5	0.4	.327	.306	97	97	WhyS 3	3	Calms	0	10	021	a. and p. Gloomy and overcast.		
9	29	36	41.0	44.3	40.0	48.6	0.5	0.2	.246	.286	96	99	Calms	0	WSW 2	10	10	020	Overcast, with a. and p.		
10	28	27	36.2	40.8	35.3	48.0	0.3	0.7	.208	.239	97	95	Calms	0	Calms	0	2	012	Overcast, with a. p.		
11	26	21	36.3	33.9	33.2	40.9	0.5	0.9	.205	.177	96	90	Calms	0	NBYN 1	1	10	—	Overcast, with a. p.		
12	21	24	28.5	31.3	27.3	38.5	0.5	0.7	.141	.159	91	90	NNE 1	1	Calms	0	10	001	Overcast, with a. p.		
13	28	27	36.2	34.2	30.6	37.8	1.0	1.2	.195	.174	91	87	Calms	0	Calms	0	10	—	Overcast, with (mist) p.		
14	21	23	39.7	37.9	33.5	42.0	1.1	2.0	.222	.190	91	83	NNE 1	1	NBYE 2	2	10	—	(mist) a. Dull and overcast.		
15	20	19	37.5	36.2	35.4	38.6	1.6	2.3	.193	.171	86	80	ENE 3	3	ENE 3	10	10	—	Dull and overcast.		
16	14	15	34.9	33.8	33.2	37.0	2.7	2.4	.152	.147	75	76	EbyN 3	3	NBYE 2	2	10	—			
17	19	20	34.0	31.2	30.7	34.0	1.8	2.0	.160	.129	81	73	E	3	E	1	10	8	—	Overcast and gloomy.	
18	24	28	33.5	32.8	30.1	34.9	2.2	2.1	.148	.143	77	77	E	2	ENE 3	3	7	2	—	Clear a. Overcast p.	
19	23	20.11	29.8	29.9	27.6	33.4	1.9	1.8	.117	.119	71	72	Calms	0	Calms	0	10	7	—	a.	
20	30.06	29.93	27.1	39.3	25.3	39.3	1.2	1.3	.110	.215	75	90	Calms	0	Calms	0	7	10	530	Overcast and gloomy p.	
21	29.55	29	39	44.7	45.1	38.1	46.2	0.0	0.4	.296	.291	100	97	WSW 2	2	WbyS 5	5	10	205	Overcast, with a. p.	
22	48	67	42.8	41.6	41.0	45.7	0.6	0.6	.261	.250	96	95	W	2	WSW 1	1	10	010	Overcast, with a. (mist) p.		
23	94	94	42.0	40.8	39.8	46.0	0.8	1.8	.249	.217	94	86	SW	1	Calms	0	10	4	—	(mist) ga.	
24	94	91	43.4	44.4	38.7	45.2	0.5	0.9	.271	.272	96	93	swb.w 1	1	SW	4	10	132	Overcast. a. p.		
25	74	47	43.7	42.5	40.8	46.3	1.7	2.0	.247	.230	86	85	swb.w 3	3	WSW 6	6	10	295	Overcast. Squally a. p.		
26	43	85	42.1	37.3	35.9	48.1	3.2	2.4	.264	.178	76	80	swb.w 3	3	swb.w 1	1	5	0	—	Squally showers a. Squally p.	
27	80	64	35.0	39.2	38.3	40.1	0.3	0.6	.200	.144	98	90	SW	1	NW	4	10	060	Overcast, with a. a. p.		
28	67	68	30.3	33.7	37.9	36.2	1.0	2.1	.145	.151	84	78	swb.w 1	1	NBYN 2	2	3	9	—	Bright and sunny.	
29	68	74	30.3	30.3	28.3	36.6	1.2	1.6	.139	.129	81	76	NbyW 1	1	Calms	0	3	10	—	Clear and frosty a. 1 p.	
30	29.65	29	33.2	34.7	29.9	34.7	1.7	0.8	.145	.186	79	93	Calms	0	WSW 1	1	10	273	Overcast. a. ga.—p. (mist) ga.		
31	28.80	29.10	35.7	36.0	32.5	36.9	1.1	2.0	.190	.175	90	82	SW	1	NNE 4	4	10	015	a. Squally p.		
Mean	29.793	29.807	37.4	37.6	33.8	41.3	1.2	1.5	.202	.199	87.8	86.1			1.5		1.7	8.8	8.7	2.276	

HILLINGTON.—JANUARY 1888.

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.

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 Tens.on.		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.	27.9	28.0	25.5	33.2	0.6	0.8	134	128	88	84	SE	0.5	S	0.5	5	7	ins.	Fine and sunny. Much cirrus. ☽
2	29.35	29.35	27.9	28.0	25.5	33.2	0.6	0.8	134	128	88	84	SE	0.5	S	0.5	5	7	ins.	☽ a. and p.
3	29	32	38.3	38.8	28.0	41.2	0.5	0.2	221	231	95	99	S	2	S	1	10	10	123	☽ a. and p. Fine and sunny. Much cir.
4	29	38	30.9	36.4	29.8	44.2	0.0	0.6	173	223	100	94	SW	0.5	S	1	5	0	—	☽ a. and p. Fine and sunny. Much cir.
5	29	36	39.7	37.9	36.1	42.3	1.9	2.2	200	189	84	84	SW	4	S	6	10	9	008	☽ a. and p. Fine and sunny. Much cir.
6	29.56	29.77	39.0	39.1	35.3	47.6	0.4	1.3	230	213	97	89	SW	1	WSW	4	10	0	010	Much cirrus. Magnificent sunset.
7	30.02	29.90	32.0	44.1	31.0	44.3	0.2	0.4	175	279	97	97	SW	0.5	S	3	10	10	027	☽ a. Overcast all day.
8	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	Very fine and sunny. ☽ p.
9	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	Much cirrus. Grand sunset. ☽ p.
10	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	Very fine and sunny. ☽ p.
11	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ a. and p. Sunny from sea.
12	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day. Trees dripping.
13	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
14	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
15	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
16	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
17	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
18	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
19	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
20	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
21	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
22	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
23	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
24	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
25	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
26	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
27	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
28	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
29	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
30	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
31	29	31	45.0	42.2	41.0	47.0	0.3	0.5	272	258	97	95	SW	1	SW	1	10	8	006	☽ all day.
Mean	30°108	30°107	34.9	35.5	31.1	41.0	0.7	0.7	190	198	91.7	93.0	1.7	2.2	7.7	7.2	1.46			

1	29°29'	29°00'	35°0'	34°6'	32°3'	30°8'	1°9'	0°7'	166	182	81	92	S	1	SSE	0°5	10	10	270	
2	28°94'	21	32°9'	30°4'	30°6'	30°8'	0°3'	0°8'	182	180	97	88	S	1	NE	4	10	0	040	✱ before ga.
3	29°44'	25	40°5'	46°1'	34°0'	47°0'	1°4'	0°6'	222	298	89	96	S	3	SSE	4	7	10	520	
4	11	09	50°7'	45°6'	45°0'	51°5'	1°3'	0°6'	345	292	93	56	S	4	SSE	4	10	10	365	● ga. - Overcast all day.
5	22	62	30°8'	36°9'	35°8'	47°2'	0°3'	0°2'	239	213	98	93	NNW	1	S	2	10	0	010	
6	55	70	45°0'	45°8'	34°7'	51°5'	0°6'	0°7'	283	291	95	95	S	4	SW	3	10	2	010	
7	29°94'	29°98	44°4'	50°1'	42°0'	50°8'	0°4'	0°8'	283	344	97	94	SSW	2	SW	3	10	10	—	Overcast all day.
8	30°14	30°30	49°3'	47°9'	47°0'	52°3'	0°6'	0°4'	336	323	96	93	SW	3	SW	2	10	10	—	Overcast all day.
9	35	36	48°2'	48°9'	44°0'	55°5'	0°0'	2°3'	338	271	100	84	SW	1	S	2	10	0	—	
10	35	36	47°4'	45°0'	42°3'	55°3'	0°6'	0°9'	315	277	96	93	SSW	1	SSW	1	10	10	—	
11	36	31	41°8'	41°8'	40°0'	53°2'	0°7'	0°4'	249	226	94	97	S	1	S	1	10	10	—	Overcast all day.
12	35	39	39°1'	41°8'	35°8'	50°9'	0°3'	1°3'	233	238	97	90	SSW	1	SSW	1	10	10	—	Overcast all day.
13	44	44	41°0'	38°1'	37°7'	44°1'	0°8'	1°1'	239	207	94	90	SSW	0°5	S	0°5	10	10	—	Overcast all day.
14	43	40	38°1'	40°1'	35°4'	41°0'	1°0'	1°5'	221	217	91	88	E	1	ENE	1	10	10	—	Overcast all day.
15	39	39	38°3'	39°0'	38°0'	42°5'	1°2'	2°0'	207	199	90	84	NE	1	ENE	1	10	10	—	Overcast all day.
16	33	29	37°6'	36°9'	30°0'	40°5'	1°0'	2°8'	205	168	91	77	NE	1	E	1	40	10	—	Overcast all day.
17	32	33	36°6'	36°4'	34°0'	38°8'	1°9'	1°5'	182	187	84	87	ENE	1	ENE	2	15	10	—	Overcast all day.
18	37	36	35°9'	35°7'	29°9'	38°5'	2°2'	1°8'	172	177	82	85	ESE	1	ESE	1	9	2	—	
19	32	30°20	34°5'	37°8'	29°0'	40°3'	2°3'	0°9'	156	210	75	93	SSE	1	SSE	2	5	10	—	
20	30°11	29°95	43°8'	43°2'	37°2'	49°0'	0°2'	0°3'	281	332	99	98	S	1	S	3	10	10	280	
21	29°70	66	48°7'	46°0'	45°3'	51°2'	0°6'	0°7'	321	274	96	95	SW	2	W	2	10	10	—	Overcast all day.
22	29°73	29°02	42°0'	45°6'	41°2'	49°2'	0°7'	0°8'	253	288	91	94	W	1	W	1	10	0	015	
23	30°09	30°04	42°1'	46°3'	39°2'	50°1'	0°1'	1°2'	266	285	92	92	SW	2	SW	3	10	8	—	
24	30°04	29°95	48°0'	49°6'	40°8'	51°5'	0°9'	1°9'	312	303	91	87	SW	4	SW	5	19	8	—	
25	29°78	29°42	48°6'	40°1'	39°5'	54°0'	0°8'	3°2'	323	186	95	74	SSW	5	SW	7	10	10	105	Squally ● ap.
26	29°99	30°19	41°0'	36°6'	35°3'	44°7'	3°0'	1°0'	197	197	77	91	NW	3	W	2	4	2	015	
27	30°07	29°97	41°8'	32°1'	31°4'	46°5'	2°0'	3°0'	225	119	85	66	W	2	NNE	2	8	1	—	
28	29°95	92	29°6'	26°6'	21°5'	45°5'	2°0'	0°4'	113	125	69	91	NNE	0°5	NNE	0°5	0	0	—	Fine all day.
29	96	94	29°6'	28°6'	23°0'	41°7'	1°0'	1°0'	137	123	83	82	NNE	1	NNE	1	0	0	—	Fine all day.
30	81	50	32°6'	35°8'	26°2'	39°5'	0°2'	1°0'	181	193	93	92	SW	2	SW	3	10	10	075	☁ early a.
31	29°19	29°51	38°3'	37°5'	34°2'	39°5'	0°6'	0°5'	219	214	95	95	NNW	4	N	3	10	10	—	
Mean	29°937	29°934	40°7'	40°3'	35°0'	46°3'	1°0'	1°3'	239	232	91·2	89·7		1°9		2·2	8·8	6·9	1765	

1	29°36'	29°05'	34°8'	33°7'	32°3'	37°2'	2°6'	0°4'	*153	*186	75	95	SE 1	E 1	10	10	*310	Dull day. ☼ ⁰ ☼ ⁰ from 4.15 p.	
2	"00	"39	33°4'	32°7'	32°7'	43°6'	0°4'	0°4'	*183	*209	96	92	WSW 2	SSW 2	10	0	—	☼ ⁰ ☼ ⁰ till 7 a. Dull a. Bright p.	
3	"54	"37	43°4'	48°8'	35°0'	50°0'	2°5'	1°7'	*228	*303	80	83	SSW 2	S 4	8	10	*250	Cloudy a. Dull, with ☼ ⁰ p.	
4	"23	"17	51°8'	48°2'	46°0'	52°8'	2°8'	2°3'	*313	*281	81	84	S 5	SSE 4	10	8	*095	Dull, with squally ☼ ⁰ .	
5	"27	"52	40°3'	37°8'	36°8'	48°6'	1°4'	0°9'	*221	*210	89	93	WNW 3	Calm 0	10	0	*010	Dull a. ☼ ⁰ a. and p.	
6	29°68	29°80	50°1'	46°4'	31°2'	52°6'	3°2'	1°1'	*283	*389	78	92	SSW 4	Calm 0	8	1	*005	Beautiful day.	
7	30°05	30°08	45°5'	50°8'	43°5'	52°7'	1°2'	1°0'	*277	*324	91	87	SW 2	SW 4	7	4	*005	☼ ⁰ a. Dull day.	
8	"24	"38	51°8'	47°9'	47°9'	53°6'	0°6'	1°8'	*370	*301	95	87	W 2	Calm 0	10	0	*005	Ground ☼ ⁰ all day. Bright sky.	
9	"43	"46	45°3'	39°6'	36°6'	61°7'	0°3'	0°3'	*295	*238	98	97	Calm 0	Calm 0	1	0	*010	☼ ⁰ a. and p. Beautiful day.	
10	"42	"41	37°3'	36°4'	33°7'	54°5'	0°3'	0°1'	*216	*213	97	99	NE 1	Calm 0	2	0	*010	☼ ⁰ a. and p. Beautiful day.	
11	"41	"37	39°5'	39°2'	36°4'	42°3'	0°1'	0°2'	*241	*236	99	95	NNW 1	Calm 0	10	10	*010	Dull, with ☼ ⁰ .	
12	"41	"45	36°2'	40°7'	34°5'	45°7'	0°2'	0°9'	*210	*235	98	92	Calm 0	Calm 0	10	10	—	Dull, with ☼ ⁰ .	
13	"50	"50	39°3'	37°2'	36°8'	40°9'	0°8'	1°8'	*219	*230	94	86	NW 1	NE 1	10	10	—	Dull and overcast.	
14	"46	"40	38°6'	42°1'	36°0'	42°4'	0°8'	1°8'	*219	*230	94	86	NW 1	NE 1	10	10	—	Dull and overcast.	
15	"39	"38	40°2'	39°6'	38°3'	42°7'	1°8'	2°4'	*213	*197	86	81	ENE 2	E 2	10	10	—	Dull and overcast.	
16	"34	"30	38°7'	35°5'	35°0'	39°8'	3°5'	2°7'	*170	*157	73	75	ENE 2	E 2	2	10	10	—	Dull and overcast.
17	"30	"33	35°5'	35°2'	30°4'	40°8'	1°4'	1°2'	*181	*198	87	80	ENE 2	ENE 2	7	7	—	Cloudy a. Bright p.	
18	"36	"39	37°2'	33°7'	30°3'	41°9'	2°1'	1°7'	*182	*159	83	82	ENE 2	ENE 2	9	1	—	Dull, with ☼ ⁰ showers.	
19	"38	"26	35°2'	37°9'	22°7'	38°2'	0°3'	0°7'	*129	*213	93	94	Calm 0	SE 1	8	10	*070	Dull, with ☼ ⁰ showers.	
20	30°17	30°07	46°7'	43°1'	36°6'	49°2'	0°2'	0°1'	*250	*276	98	99	Calm 0	Calm 0	7	9	*130	Dull, with ☼ ⁰ .	
21	29°82	29°75	49°2'	46°3'	42°5'	54°7'	1°4'	1°3'	*315	*283	91	91	W 3	WSW 2	10	9	*005	Dull and cloudy.	
22	29°78	29°09	44°4'	47°4'	43°3'	49°7'	0°4'	1°4'	*283	*295	97	90	W 2	WNW 1	10	3	*010	Dull, with ☼ ⁰ showers.	
23	30°18	30°15	42°6'	49°7'	38°8'	50°0'	0°1'	5°4'	*271	*235	99	66	WSW 3	SSW 2	8	9	*005	☼ ⁰ showers a. ☼ ⁰ p.	
24	29°18	30°11	47°6'	51°5'	44°2'	54°7'	1°5'	2°4'	*293	*319	90	84	SW 2	SSW 3	7	7	—	☼ ⁰ showers. Squally n.	
25	30°03	29°74	47°7'	41°7'	40°8'	52°8'	1°9'	3°3'	*285	*199	87	76	SW 4	WSW 5	5	1	*010	☼ ⁰ showers. Squally n.	
26	30°04	30°28	41°4'	36°8'	35°9'	45°5'	4°1'	1°0'	*183	*199	70	92	WNW 5	W 3	2	1	—	Squally n. Beautiful day.	
27	30°17	30°02	36°7'	36°1'	33°4'	43°8'	0°7'	1°8'	*204	*179	91	84	W 2	NNE 3	2	5	—	Bright a. Cloudy p.	
28	29°09	29°05	25°0'	25°3'	21°2'	39°8'	1°0'	0°4'	*107	*123	76	90	N 1	Calm 0	1	0	—	Bright a. Cloudy p.	
29	"09	30°02	25°4'	27°6'	20°2'	38°4'	0°4'	0°4'	*124	*138	90	92	NE 1	NNW 1	1	2	*005	—, Beautiful day.	
30	"61	29°65	32°7'	35°6'	24°7'	39°8'	0°5'	0°6'	*176	*197	94	95	WSW 2	WSW 2	10	9	*030	☼ ⁰ a. Dull a. ☼ ⁰ ☼ ⁰ showers p.	
31	29°26	29°45	37°2'	40°0'	33°3'	40°5'	1°4'	2°0'	*194	*207	87	84	W 4	N 5	8	9	*080	Dull, with squally ☼ ⁰ ☼ ⁰ showers.	
Mean	30°06	30°01	39°9'	40°4'	35°3'	46°3'	1°3'	1°4'	*225	*227	88°9'	88°6'	2°0	1°7	7°4	5°6	1°055	☼ ⁰ ☼ ^{0</}	

PARSONSTOWN (BIRR CASTLE).—JANUARY 1888.

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.

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 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	34.8	34.9	33.4	36.4	2.5	0.6	in.	in.	%	%	SSE 2	Calm 0	10	10	ins. 458 ☉ ∞ a. ☉ ⁰ p., then ☉ ² .
2	29.30	29.28	32.1	33.8	31.3	39.6	0.2	0.9	178	176	93	90	Calm 0	S 1	0	0	☉ ² in past n. ☉ ⁰ before ga. ∞ a.
3	44	18	38.9	48.9	30.8	49.3	1.0	0.9	218	323	93	94	SSE 1	S 6	10	0	438 ☉ a. ☉ from noon. Squally ☉ p
4	09	05	51.4	49.4	48.1	52.6	1.6	1.3	338	320	90	91	S 4	SE 5	10	10	607 Squally ☉ (gale) ☉ all day.
5	33	69	40.4	36.5	35.5	49.9	1.1	0.6	228	204	91	95	W 1	SSE 1	1	0	016 Fresh and bright. ☉ p.
6	29.63	29.79	47.9	43.9	34.7	52.5	1.0	0.9	309	266	93	93	S 1	Calm 0	10	0	006 ☉ showers from sa. ∞ p. Day mild.
7	30.02	30.08	44.0	51.3	41.0	51.8	1.1	1.5	263	339	91	90	S 1	SSW 2	8	10	— Bright a. Mild and gloomy p.
8	25	36	50.7	46.6	45.2	53.6	1.0	1.3	345	287	93	92	SW 1	SSE 1	10	0	018 ☉ ⁰ till 10a. Bright and calm p.
9	39	38	47.1	47.5	41.9	54.7	2.0	1.0	276	304	86	93	S 1	SSE 3	0	10	012 ∞ a. and p. Bright morning.
10	39	38	42.4	44.8	41.0	48.8	0.6	1.6	259	260	95	88	Calm 0	SSE 4	2	10	— ☉☉☉ (mist) a. Squally op.
11	36	31	42.0	40.9	39.8	45.6	1.0	1.0	245	235	92	92	SE 3	SE 3	10	10	— ∞ a. Raw and squally.
12	37	43	41.9	41.5	39.5	45.3	1.9	1.7	226	236	86	87	Calm 0	SSE 1	10	10	— Squally in past n. ∞ a. Gloomy day.
13	45	47	41.4	40.9	40.1	43.1	1.6	1.9	228	216	88	85	Calm 0	Calm 0	10	10	— Calm and gloomy.
14	45	38	36.5	40.4	34.7	41.7	1.4	1.4	189	222	88	89	Calm 0	Calm 0	10	10	009 ☉ a.
15	36	34	39.0	37.3	36.6	41.4	2.0	1.5	199	193	84	87	Calm 0	E 1	10	8	— ∞ a. and p.
16	31	27	35.8	34.7	28.2	38.6	1.7	2.1	179	160	85	79	Calm 0	ESE 1	10	10	— ☉ a. Cold and gloomy, with ∞.
17	24	26	32.9	37.2	29.8	39.7	1.4	1.4	158	194	84	87	E 2	ENE 1	0	10	— ☉ a. Bright and cold.
18	31	35	34.6	33.1	32.6	40.7	1.3	0.5	175	178	87	94	ENE 1	Calm 0	0	8	014 ☉ a. Bright and cold.
19	30	30.19	35.8	41.7	25.8	42.0	1.0	0.9	193	246	92	93	SE 2	SSE 2	10	10	— ☉ a. Gloomy, cold, and gusty.
20	30.13	29.99	45.9	50.4	40.8	52.3	0.7	1.3	292	335	95	91	S 1	S 3	10	10	293 Gusty wind p.
21	29.85	29.77	47.8	45.6	44.8	51.5	0.7	0.6	314	292	95	96	WSW 1	Calm 0	10	10	018 Gusty, with ☉ in past n. Day mild.
22	29.80	30.03	47.9	42.2	41.7	50.6	0.3	0.7	325	254	98	94	WSW 1	Calm 0	10	0	010 ☉☉☉ before ga. ∞ p. ☉ 7p.
23	30.10	29.15	44.0	44.8	38.8	51.7	0.3	2.5	281	241	98	81	Calm 0	WSW 2	10	9	010 Red sunset. ☉ 6p.
24	30.19	30.09	46.7	49.6	42.8	52.4	1.0	2.5	295	293	93	83	SW 2	S 3	10	8	— Gloomy and gusty. ☉ 9p.
25	29.91	29.79	49.1	42.8	40.6	51.7	2.2	3.9	295	198	84	73	SW 4	W 5	10	8	060 Heavy squalls, with ☉ all day.
26	30.15	30.31	39.9	39.0	37.9	46.4	3.7	1.1	177	216	71	91	WNW 2	NW 2	0	1	— Squally ☉ (force 7) in past n. Bright
27	30.21	30.00	38.0	39.4	33.7	44.7	0.7	1.1	244	220	94	91	Calm 0	NNE 1	9	10	037 ☉ a. Gloomy. ☉ from 5p. ☉ day.
28	29.95	29.94	27.4	26.0	24.8	39.6	1.1	0.7	116	117	79	83	Calm 0	Calm 0	6	0	— ☉ ² ∞ a. Bright and cold, with ☉.
29	30.01	30.00	19.7	25.1	17.2	33.7	0.0	0.3	107	125	100	92	Calm 0	Calm 0	8	9	— ☉☉☉ a. ☉ all day. ☉☉☉ from 6p.
30	29.92	29.70	30.8	34.6	24.2	42.4	0.8	0.7	152	187	88	94	Calm 0	WSW 1	1	10	117 ☉ ⁰ 5a.—6a. Bright a. Thaw midday.
31	29.40	29.52	36.3	33.3	33.3	40.6	1.3	2.7	190	182	89	79	NW 2	N 5	1	8	— ☉ a. ☉ (sleet) ga. Squally ☉ ☉ (gale) p.
Mean	29.991	29.982	40.1	40.8	35.9	46.0	1.2	1.3	230	233	89.5	89.1	1.1	1.7	7.0	7.4	2.137

SWANBISTER.—FEBRUARY 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

1	29.97	29.86	34.0	35.0	29.0	45.1	1.0	1.0	176	184	89	90	NNW 1	SW 3	10	10	300	☉ showers p.
2	29.61	29.48	39.8	42.3	37.0	45.1	2.8	1.8	191	232	78	87	SSW 3	NW 5	10	2	250	☉ showers a.
3	29.55	29.55	38.8	38.8	38.5	45.1	1.8	1.1	201	214	85	91	W 4	NW 5	10	10	120	
4	29.66	29.79	32.7	42.0	30.5	43.1	2.4	2.0	137	225	73	85	NNW 0.5	WSW 5	10	10	140	
5	29.77	29.92	46.0	44.7	32.3	47.9	0.5	0.7	299	279	97	94	WNW 4	WNW 1	10	10	080	
6	29.94	29.79	46.7	47.0	43.3	48.1	1.2	1.0	291	298	92	93	W 5	W 6	9	7	400	
7	29.75	29.66	42.0	43.0	40.0	47.4	2.0	2.0	225	234	85	84	WNW 5	WNW 7	5	7	110	☉ showers a.
8	29.75	29.59	40.5	40.0	37.7	45.3	2.9	2.0	195	207	78	84	NW 3	NW 6	9	10	360	
9	29.60	29.50	37.8	32.0	31.0	40.1	1.4	2.0	199	137	88	75	WNW 6	NW 6	7	7	150	▲ ☉ 2 showers.
10	29.38	29.44	28.5	30.0	24.8	33.3	0.5	1.0	142	140	91	83	N 1	NNW 1	3	6	300	▲ ✱ showers.
11	29.29	29.24	31.5	30.3	28.0	35.1	0.5	0.8	166	149	94	88	NW 3	N 1	5	4	010	✱ showers a.
12	29.23	29.27	31.5	25.6	24.8	36.1	1.5	1.6	143	089	80	64	NNW 3	NW 1	5	2	—	Δ 0
13	29.41	29.69	30.0	33.8	22.8	36.1	1.0	1.8	140	158	83	81	NNE 1	NNE 2	5	2	—	Δ 0 ✱ 0 showers.
14	29.95	30.07	31.8	30.2	27.3	33.8	1.8	1.7	139	126	77	74	N 4	NNW 2	10	4	400	✱ showers.
15	30.13	29.33	33.0	24.2	20.2	33.6	1.3	1.1	136	094	80	72	NNW 2	NNW 1	2	0	—	✱ before ga. (4 ins. deep).
16	29.33	29.01	32.0	33.2	20.2	33.7	1.5	0.7	147	176	81	93	SSW 3	SSW 4	3	10	270	✱ 9p.
17	30.04	30.03	36.3	35.3	31.7	37.7	3.0	0.9	160	189	74	92	NNW 3	NW 3	3	10	140	✱ before ga.
18	29.91	29.77	33.0	28.7	25.8	35.7	3.3	1.7	125	111	66	71	NNW 3	N 4	9	7	300	✱ ▲ ✱ showers.
19	29.98	30.05	33.0	33.0	27.3	37.3	2.0	2.0	147	147	78	78	NNE 3	NE 3	5	3	—	✱ before ga.
20	30.04	29.10	35.9	34.3	32.5	36.8	2.3	2.1	169	157	80	79	NE 1	Calm 0	9	10	070	✱ Overcast all day.
21	29.03	29.13	37.0	30.8	31.5	39.4	1.7	1.3	187	193	85	89	NNW 2	NNE 5	5	7	010	Overcast all day.
22	29.13	29.14	36.7	36.4	34.7	40.8	1.7	3.2	185	157	85	73	NNE 2	SE 3	8	9	—	
23	29.22	29.25	35.0	34.2	32.5	37.5	2.5	1.8	156	162	76	81	SSE 3	SW 1	10	9	—	
24	29.26	29.28	35.0	35.3	32.6	36.7	3.0	3.6	148	142	72	68	SE 1	NNW 1	10	9	—	
25	29.30	29.37	37.0	33.0	31.0	37.0	3.0	1.5	165	157	75	84	ESE 1	NE 1	7	2	—	
26	29.39	29.39	38.8	38.2	31.3	41.1	2.8	3.2	183	171	78	74	E 3	ESE 4	5	10	030	
27	29.41	29.47	38.0	35.3	33.5	41.3	2.0	3.3	190	146	83	70	S 3	SW 1	9	7	090	☉ showers a.
28	29.48	29.47	40.0	39.0	30.1	40.6	3.0	1.0	189	218	76	92	SW 1	N 1	7	10	070	
29	30.53	30.53	38.0	34.9	34.2	39.0	2.7	2.8	178	151	77	74	NNE 3	N 1	8	10	010	
Mean	29.939	29.932	36.1	35.4	30.9	39.6	2.0	1.7	176	174	81.2	81.5	2.7	2.9	7.2	7.0	5.510	

DUNROBIN CASTLE.—FEBRUARY 1888.

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.

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.	29.3	30.5	27.7	34.6	1.0	0.0	in.	in.	100	100	N	N	—	ins.	Clear and frosty
2	29.77	.69	37.9	41.2	30.5	46.5	0.7	1.6	.213	.225	94	88	NW	W	—	.170	Milder.
3	29.71	.67	44.6	47.5	37.8	48.0	2.3	2.5	.243	.269	82	83	NW	W	—	—	Clear and mild.
4	30.01	29.92	36.1	43.9	35.6	48.3	1.6	1.4	.183	.256	86	90	NW	NW	—	—	Dull and mild.
5	29.90	30.04	48.5	48.5	42.7	52.5	2.0	1.2	.202	.311	87	92	NW	W	—	—	Fine and mild. Dull p.
6	30.09	29.99	49.0	46.9	46.7	52.3	3.0	1.2	.276	.292	79	92	W	W	—	.350	Dull a. ☉ showers p.
7	29.95	.81	43.4	45.2	38.8	49.5	3.1	2.5	.217	.245	77	82	W	W	—	.030	Cold, with ☉ showers.
8	.85	.76	46.2	45.9	41.5	48.7	1.9	1.9	.270	.266	87	87	NW	NW	—	—	Dull day.
9	.80	.66	39.4	34.5	33.0	47.5	2.8	2.2	.188	.158	78	78	W	W	—	.200	Dull a. ✱ showers p.
10	.50	.53	30.3	27.3	25.7	36.2	0.0	0.5	.169	.133	100	90	NE	NW	—	.320	✱ showers.
11	.38	.38	27.5	32.1	25.5	35.4	1.0	1.0	.111	.159	81	87	NW	NW	—	.080	Clear and frosty.
12	.37	.38	30.5	29.8	26.5	36.7	0.2	0.5	.166	.152	98	91	N	NW	—	—	Clear and frosty.
13	29.44	29.73	32.8	33.3	26.7	36.5	0.3	0.5	.181	.180	97	95	SE	N	—	—	Clear and frosty.
14	30.01	30.16	34.3	31.1	30.0	37.7	0.2	0.0	.194	.160	98	92	N	N	—	.030	✱ showers p.
15	.25	.30	28.5	27.5	23.5	35.9	0.2	0.0	.151	.150	66	100	NW	N	—	—	☉ showers p.
16	.32	.08	25.3	31.8	20.5	33.9	0.2	0.5	.130	.168	96	94	SE	E	—	.070	✱ showers p.
17	.12	30.08	37.4	34.1	31.5	43.0	3.1	1.6	.167	.165	74	83	N	NW	—	—	Clear and fresh.
18	.01	29.87	33.5	29.3	28.7	38.3	0.7	1.0	.178	.134	93	83	E	N	—	—	✱ (sleet) a. ✱ showers p.
19	.02	30.07	31.5	33.3	27.0	39.3	0.2	1.0	.174	.170	89	89	N	NE	—	—	✱ showers a. Clear and milder p.
20	.08	.17	36.3	35.5	33.3	38.7	2.0	2.2	.177	.167	83	80	NE	NW	—	.200	Dull and mild.
21	.11	.16	37.9	38.6	32.5	42.0	2.0	1.2	.189	.211	83	90	N	NE	—	.150	Slight thaw a. Dull p.
22	.16	.18	38.4	37.1	35.8	41.5	1.5	0.5	.202	.211	87	95	N	SE	—	—	Clear a. Cold wind p.
23	.27	.32	35.5	34.8	34.5	38.3	3.7	3.3	.142	.142	68	70	SE	W	—	—	Clear and cold.
24	.33	.32	33.1	34.1	31.7	36.7	3.0	2.8	.131	.143	69	72	NW	N	—	—	Cold and dull.
25	.35	.38	31.1	36.3	30.7	38.3	0.3	3.0	.167	.160	96	74	NW	NE	—	.120	✱ showers a. Clear and frosty p.
26	.43	.41	39.6	37.4	36.3	40.0	2.4	0.8	.197	.208	81	93	S	E	—	—	Thaw a. Dull p.
27	.45	.56	37.1	30.5	30.5	41.7	1.7	1.2	.188	.141	85	82	W	N	—	—	Fine and mild.
28	.58	.55	36.1	36.8	27.0	41.3	6.3	1.9	.110	.182	52	84	E	SW	—	.120	— a. Dull p.
29	30.56	30.56	39.6	36.5	36.1	42.5	2.2	3.0	.200	.162	82	75	NE	E	—	.020	✱ showers a. Fine p.
Mean	30.031	30.025	36.2	36.3	32.0	41.4	1.7	1.4	.184	.189	85.2	86.6	—	—	—	1.860	

LAUDALE.—FEBRUARY 1888.

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.

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.	30.4	31.3	29.0	37.0	0.4	0.3	in.	in.	ENE 2	Calm 0	2	10	ins.	Cir. from N. oz. Fine day [thunder.
2	29.87	29.73	38.2	43.0	30.7	49.0	0.6	1.0	218	255	E 1	W 2	10	7	5.80	Earthquake at 5a., rumbling noise like
3	29.83	29.81	43.6	48.8	41.9	48.8	0.7	1.0	268	320	W 3	W 2	10	10	0.70	(mist) 0 all day.
4	30.05	30.10	46.0	47.6	44.0	49.6	1.0	0.8	287	310	Calm 0	W 2	10	10	7.50	(mist) 0 all day.
5	02	12	49.5	49.5	47.2	50.1	0.7	1.2	336	324	WSW 6	W 3	10	10	1.60	(mist) a.
6	19	09	49.8	47.8	47.3	54.3	3.5	0.0	273	333	W 4	W 8	9	10	2.60	0 showers.
7	30.10	30.00	45.0	46.2	41.9	48.9	2.7	1.3	239	283	NW 3	W 2	9	10	4.40	(mist) 0 p.
8	29.95	29.84	46.3	48.0	44.9	49.3	0.6	1.4	300	299	WNW 4	WSW 3	10	10	1.20	0 a. (mist) p.
9	94	77	41.5	42.6	40.0	48.5	2.2	2.6	217	219	NW 2	WNW 4	7	10	1.80	0 a. (mist) p.
10	57	52	35.9	32.0	31.7	42.6	2.9	0.1	158	180	NW 2	ESE 1	8	4	2.00	* showers.
11	45	34	23.0	26.0	20.1	32.0	0.0	0.9	123	110	Calm 0	Calm 0	1	3	—	* a. and p., 3 ins. deep 92.
12	36	38	24.9	31.0	23.2	34.2	0.5	1.0	117	148	Calm 0	Calm 0	3	7	2.30	* showers all day.
13	39	29.76	32.0	26.0	23.2	34.2	0.5	0.0	170	141	W 3	Calm 0	10	0	1.40	* +. Wind backed to SE. 3p.
14	29.99	30.12	26.0	30.0	22.7	34.6	0.8	0.5	114	154	NNE 1	Calm 0	5	7	—	* a. [S., with strong squalls. * 9p.
15	30.21	31	24.0	22.0	21.6	31.3	0.2	0.4	122	104	W 1	NNE 1	0	1	—	Cir. N. to S. Wind shifted suddenly to
16	35	17	25.0	34.5	19.7	36.1	1.4	1.2	090	176	E 3	SSW 4	1	10	2.10	* and * (sleet) showers a.
17	19	30.24	37.0	35.5	32.7	41.7	0.6	1.0	208	189	N 3	SSW 4	8	9	0.30	Thaw a. * from 8p.
18	30.01	29.83	38.5	34.7	32.7	41.8	0.5	0.9	223	184	Calm 0	NE 3	10	10	0.40	* a. and p.
19	29.97	30.04	33.0	36.0	27.9	36.0	1.0	0.5	167	203	E 3	E 2	2	9	—	
20	30.03	15	37.7	32.9	31.2	39.5	2.7	0.6	176	175	NE 2	Calm 0	7	4	—	
21	14	10	32.4	37.8	29.7	42.0	1.2	1.8	158	192	Calm 0	Calm 0	4	0	—	
22	12	12	36.6	35.3	33.6	42.3	2.4	3.3	172	146	Calm 0	Calm 0	10	10	—	
23	22	27	32.0	29.2	28.7	40.0	2.1	0.3	135	153	Calm 0	Calm 0	10	10	—	
24	34	32	32.9	32.6	25.6	34.0	0.2	0.6	184	173	Calm 0	Calm 0	10	10	—	
25	31	30	28.8	33.8	26.7	35.3	0.6	0.0	141	194	Calm 0	Calm 0	5	4	—	
26	35	36	38.0	39.0	30.0	40.0	2.0	2.7	190	186	Calm 0	ESE 2	7	10	—	
27	46	54	36.8	32.0	31.1	40.0	1.6	1.6	188	145	Calm 0	Calm 0	10	2	—	
28	58	53	29.2	34.9	27.9	41.0	1.0	1.9	133	165	Calm 0	E 1	5	9	—	
29	30.55	30.53	36.9	36.9	33.2	43.0	1.9	2.6	183	171	Calm 0	E 2	9	1	—	
Mean	30.055	30.050	35.5	36.4	31.7	41.3	1.3	1.1	188	200	1.5	1.5	6.6	6.8	3.419	Day clear and warm.

DUNDEE.—FEBRUARY 1888.

Height above Mean Sea Level, 150 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.
Long. 2° 56' W. Lat. 56° 28' N.

1	29.86	29.87	30.1	30.1	28.0	36.5	2.0	2.5	117	107	69	64	NW 1	NW 1	0	10	—	Dull from 1p.
2	71	60	33.3	33.3	29.3	39.0	1.7	0.7	150	217	82	94	NW 1	W 1	10	10	0.20	0 showers 0.30 p.—2p.
3	65	61	38.4	43.9	36.4	44.7	1.8	2.1	197	241	85	84	SW 1	W 1	10	10	0.50	Dull day.
4	91	88	38.3	44.6	37.6	46.9	0.3	1.1	225	259	92	92	SE 1	W 1	10	5	0.10	
5	81	83	48.7	50.4	44.2	52.3	2.1	3.0	232	291	85	80	W 6	W 6	10	10	0.10	Dull day.
6	98	90	45.5	44.7	44.3	50.8	2.0	1.5	260	261	86	88	W 1	W 1	5	10	—	
7	89	71	40.6	43.0	39.8	46.5	3.0	2.6	194	223	77	80	NW 1	W 1	5	10	—	Fine day.
8	68	60	44.4	45.3	41.5	50.8	2.8	1.6	232	265	79	88	W 1	W 1	5	10	—	Dull day.
9	71	58	42.2	37.3	34.8	46.6	3.2	1.9	205	186	77	84	W 1	W 1	5	7	—	
10	38	36	33.8	29.3	29.3	38.9	1.8	1.0	158	134	81	82	NW 1	NW 1	10	5	0.20	* showers 7a.—9.30a.
11	24	13	27.9	23.8	25.1	36.5	1.3	1.7	114	121	76	73	W 1	W 1	0	7	—	
12	16	19	28.4	29.5	25.4	36.1	1.3	1.1	118	134	77	82	W 1	W 1	5	7	—	Fine and frosty.
13	30	52	25.5	31.7	24.0	35.0	1.4	0.6	094	165	69	92	NW 1	NW 1	5	10	0.80	Fine and frosty. * showers from 7p.
14	29.77	29.92	29.3	27.5	25.9	37.4	1.7	0.9	116	123	73	83	NW 2	NW 2	0	0	—	Fine and frosty. * showers at night.
15	30.05	30.16	29.0	27.5	26.8	37.8	2.2	1.9	103	097	64	66	NE 1	NE 1	7	0	—	Fine and frosty. * showers at night.
16	30.21	06	18.0	25.5	16.5	34.7	1.4	0.9	057	131	58	84	W 1	W 1	0	5	1.50	
17	29.93	30.01	35.0	34.7	28.0	43.6	3.2	2.7	145	150	71	74	W 1	W 1	10	7	—	* at night.
18	80	29.60	37.3	29.5	28.6	41.0	2.8	0.7	171	145	77	88	NE 1	NE 1	10	5	0.40	* showers.
19	73	80	31.2	34.5	25.4	34.5	2.1	2.7	127	149	72	74	NE 2	NE 2	5	10	0.35	* showers n. and during day.
20	83	95	34.7	34.5	32.5	38.8	0.2	0.0	198	200	98	100	NE 8	NE 8	10	10	0.20	* showers till 9.30 a. Dull day.
21	91	90	35.7	35.0	33.0	37.0	2.6	1.2	162	180	77	85	N 1	N 1	10	10	0.50	Dull day. * (sleet) showers
22	29.94	29.97	34.8	33.8	33.0	36.8	2.5	2.2	155	151	76	73	E 6	E 6	10	10	—	Dull day. * showers [1p.—5p.
23	30.09	30.14	34.0	33.7	32.0	34.6	2.0	0.4	159	179	79	95	E 4	E 4	10	10	—	Dull day. * showers 5.30p.
24	13	14	32.5	30.7	30.2	34.0	0.6	1.1	173	145	84	84	NE 1	NE 1	10	10	—	Dull day. * showers.
25	13	12	32.2	35.6	29.2	36.1	0.6	2.3	169	166	93	79	NE 2	NE 2	10	10	0.90	Dull day.
26	20	24	34.1	34.2	32.4	36.1	0.5	0.6	187	185	95	91	E 2	E 2	10	10	0.60	* (sleet) showers n. and during [day.
27	30	39	35.7	34.7	33.0	38.1	1.3	1.7	185	168	88	83	E 1	E 1	10	10	—	Dull day.
28	41	40	34.2	34.3	32.9	36.3	1.5	1.6	168	166	84	83	W 1	W 1	10	10	—	Dull day. [during day
29	30.37	30.37	34.5	34.1	33.0	36.8	1.3	1.3	174	171	87	86	NE 1	NE 1	10	10	0.60	* in past n. * (sleet) showers
Mean	29.864	29.859	34.5	35.2	31.5	39.8	1.8	1.5	166	177	80.2	83.5	1.8	1.8	7.3	8.2	0.690	

GLASGOW.—FEBRUARY 1888.

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.

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.	30°7	29°9	27°4	38°1	3°2	1°4	in.	in.	%	%	N	1	SSW	1	6	10	ins.	Fine day.
2	29°85	29°89	35°7	42°6	27°7	45°4	1°9	1°1	174	249	83	91	S	1	SW	1	10	2	0°62	Dull and overcast. 0
3	76	68	40°6	46°3	36°2	46°9	0°6	0°4	240	305	95	97	S	1	SSW	1	8	10	0°10	Dull and cloudy. 0
4	88	96	44°6	46°1	40°6	47°5	1°2	1°1	267	286	91	92	SE	1	SW	1	10	10	0°50	Gloomy and overcast.
5	29°90	94	47°4	48°8	42°9	49°9	0°4	1°4	318	309	97	90	SW	1	SSW	1	10	10	0°12	Gloomy and overcast, with 0
6	30°02	98	46°3	45°8	42°9	49°4	1°1	1°6	288	271	92	88	W	1	SW	1	10	10	—	Dull and overcast.
7	29°94	81	41°8	44°9	40°3	47°3	2°5	1°5	214	264	82	89	SSW	1	SW	1	6	10	0°20	
8	74	66	46°3	47°1	44°4	49°2	2°1	0°9	265	302	85	94	WSW	2	WSW	1	8	9	0°14	Dull and cloudy with 0.
9	75	64	40°6	39°7	39°7	47°7	2°3	2°0	207	204	82	84	SW	1	WSW	1	7	9	0°15	0 showers.
10	42	35	35°6	31°7	31°5	44°8	1°3	0°3	183	173	83	95	W	1	SSW	1	5	2	0°10	0 *
11	26	16	28°9	27°3	27°3	43°4	0°4	1°3	149	169	93	75	WSW	1	WSW	1	2	10	160	* 2
12	19	21	26°3	31°4	25°2	36°9	0°4	0°4	130	168	92	95	SSW	1	SSW	1	2	10	—	Dull and cloudy.
13	31	55	28°3	26°4	26°4	35°9	0°6	0°9	138	114	89	81	SSE	1	WSW	1	5	10	—	
14	29°75	29°90	33°6	31°8	26°3	39°2	2°7	2°4	140	127	73	71	NNE	1	NNW	1	1	9	—	
15	30°74	30°13	31°9	27°5	27°5	37°9	2°6	1°5	125	106	69	72	NNW	1	S	1	4	10	—	Fine day.
16	30°19	05	20°3	29°8	19°5	33°7	0°2	2°1	101	113	95	68	SE	1	S	1	10	10	155	~ a. Dull and cloudy. U
17	29°95	30°03	31°4	31°4	28°7	41°1	0°6	0°6	162	162	91	91	W	1	SW	1	8	2	—	* before 9a.
18	81	29°59	37°6	32°8	30°9	41°1	1°6	3°3	194	122	86	65	W	1	WNW	1	10	9	—	Fine day.
19	70	77	32°6	33°8	28°8	36°7	2°0	4°5	143	133	78	62	N	5	NW	7	4	10	0°30	Squally p.
20	79	94	34°6	34°1	33°9	38°5	2°6	1°7	151	103	75	82	NNE	1	NNW	1	10	8	—	* before 9a. Dull and cloudy.
21	91	86	35°9	36°4	34°0	39°4	2°9	2°2	157	174	74	81	N	1	NNW	1	5	9	0°32	Dull and cloudy. 0
22	29°90	29°93	34°9	33°7	33°6	37°6	1°9	1°7	169	160	81	85	NE	1	ENE	1	10	10	—	
23	30°01	30°07	34°1	33°4	33°2	38°1	3°6	1°5	130	160	67	84	NE	1	NNE	1	8	10	—	Dull, overcast, and threatening.
24	09	07	32°2	33°1	32°0	35°7	2°2	1°8	139	152	74	80	NNE	1	N	1	10	8	—	Overcast.
25	09	06	32°7	35°0	31°7	36°1	4°0	2°9	110	150	59	73	N	1	NNE	2	8	10	0°28	Dull and cloudy.
26	14	17	34°1	34°9	33°1	37°4	0°8	0°7	180	183	91	93	NE	1	NNE	1	10	10	—	Gloomy and overcast.
27	24	34	30°0	30°3	34°5	39°1	1°4	2°0	184	176	87	83	NNE	2	N	1	9	10	—	Gloomy and overcast.
28	37	36	34°7	35°3	34°0	37°9	2°4	2°5	159	77	77	77	NNW	1	N	1	10	8	—	Overcast.
29	30°35	30°32	35°7	34°7	33°3	39°7	2°3	1°2	166	178	79	88	NNW	1	NNE	1	8	6	—	Dull and cloudy.
Mean	29°853	29°860	35°4	36°0	32°7	41°1	1°8	1°6	175	183	82°2	82°0	1°2		1°2		7°4	8°3	0°708	

SCARBOROUGH.—FEBRUARY 1888.

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.

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.	34.5	32.6	32.0	36.3	1.5	0.5	in.	in.	90	90	NE	2	NE	1	4	0	ins.	Fine day. ✕ ⁰
2	29.75	29.89	34.5	32.6	32.0	36.3	1.5	0.5	1.71	1.74	85	94	NE	2	NE	1	4	0	0.060	Dull and stormy.
3	72	63	31.1	33.8	27.0	36.3	0.2	0.0	1.70	1.94	98	100	SW	3	SW	6	10	10	—	Fine and bright.
4	72	72	38.3	42.2	33.5	43.8	0.6	0.4	2.19	2.60	95	96	SW	2	SW	3	2	0	—	Dull and damp a. Fine and bright p.
5	94	99	44.7	43.7	41.0	46.8	0.4	1.8	2.86	2.44	96	85	NW	2	NW	2	10	0	—	Dull and gusty a.
6	89	29.91	45.7	49.6	40.0	52.1	0.8	1.1	2.88	3.25	94	93	SW	4	SW	2	10	0	—	Fine and mild.
7	98	30.04	48.6	46.8	41.5	51.6	1.8	1.9	2.97	2.75	88	86	NW	3	W	1	10	7	—	Brilliant and fresh.
8	88	29.84	44.2	42.7	41.5	47.3	2.8	1.5	2.29	2.40	79	88	W	4	W	2	2	0	—	Brilliant a. Dark, with p.
9	69	68	46.7	45.7	41.0	48.3	2.1	0.3	2.70	3.01	85	98	NW	5	SW	2	2	10	1.110	Bright and fresh.
10	77	72	42.7	41.7	41.5	48.5	0.8	0.6	2.56	2.51	93	95	SW	4	SW	2	7	10	—	*
11	51	43	39.2	33.5	33.0	44.1	0.3	0.0	2.33	1.92	97	100	SW	3	W	2	4	0	0.030	Brilliant day. ✕ ² noon.
12	28	18	31.2	29.6	29.0	39.3	0.7	0.1	1.58	1.61	97	99	SW	2	SW	1	3	0	0.020	Brilliant day. ✕ early a. Brilliant day.
13	21	29	27.3	29.9	22.4	39.3	0.3	0.4	1.39	1.54	94	94	SW	2	SW	1	0	0	0.020	Stormy with squalls of ✕.
14	36	28.2	28.4	27.2	33.3	33.3	0.1	0.6	1.51	1.37	98	89	SW	3	SW	1	4	0	—	Stormy, with squalls of ✕.
15	61	29.69	33.3	37.7	21.5	38.0	0.6	1.7	1.77	1.93	94	85	NW	4	NE	8	10	10	4.50	Fine, but with cold wind.
16	29.88	30.03	35.1	35.8	32.8	37.7	1.2	0.3	1.81	2.04	88	98	NE	8	NE	6	10	8	1.00	Fine, but with very cold wind.
17	30.08	30.06	34.6	34.6	33.3	36.3	0.0	0.0	2.00	2.00	100	100	NE	5	NE	3	6	8	—	Stormy, with violent squalls of ✕.
18	29.90	29.93	33.4	36.3	32.0	36.3	0.9	1.5	1.72	1.85	91	87	N	2	NE	3	10	9	1.110	* ga. Fair, windy, and dry.
19	73	48	34.8	32.8	30.0	39.3	0.6	1.3	1.89	1.58	94	86	NW	3	NE	10	9	1	2.40	* ga. Stormy.
20	47	50	35.4	33.3	30.0	37.3	1.2	0.0	1.83	1.90	89	100	NE	7	NE	10	10	10	3.00	Stormy, dull, and overcast.
21	67	82	35.0	36.7	32.0	37.6	0.4	1.7	1.96	1.84	86	85	E	5	E	7	8	10	0.030	* showers.
22	78	70	35.6	33.6	31.5	37.5	0.8	1.3	1.93	1.66	93	86	NE	4	NE	7	3	8	1.030	Gusty, with ✕ showers.
23	79	29.88	32.1	33.6	31.0	37.8	0.1	0.1	1.79	1.90	99	99	NE	5	N	4	10	10	—	*. Fine afternoon.
24	98	30.01	34.1	31.6	31.0	34.8	0.6	0.0	1.84	1.78	94	100	NE	5	NE	3	8	8	—	Fine day.
25	99	29.92	31.6	31.6	28.0	33.8	0.1	1.1	1.76	1.52	99	86	NE	5	NE	5	8	6	1.150	Fine and bright.
26	29.89	30.00	32.6	31.6	30.0	34.0	1.1	0.0	1.61	1.78	88	100	NE	7	NE	3	10	8	0.090	Fine day.
27	30.10	30.10	33.1	34.6	30.5	35.0	0.0	0.3	1.88	1.94	100	97	NE	4	NE	3	7	8	—	Fine and bright.
28	10	30	35.1	35.6	33.5	37.2	0.1	0.6	2.02	1.96	99	95	NE	5	NE	4	9	6	—	Fine day.
29	28	30	34.1	32.1	31.5	37.0	1.1	1.6	1.74	1.46	88	80	NE	3	NE	4	7	8	0.010	Δ ⁰
30	30.28	30.18	33.2	33.6	30.0	34.0	0.0	0.1	1.89	1.90	100	99	NE	3	NE	4	8	9	—	
Mean	29.804	29.819	36.1	36.0	32.4	39.7	0.7	0.7	2.00	2.00	93.3	93.1	3.9		3.8	6.9	5.7	1.850		

CRONKBORNE (DOUGLAS), ISLE OF MAN.—FEBRUARY 1888.

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.

1	29.84	29.96	36.0	31.0	31.0	40.0	1.3	0.7	1.88	1.26	88	90	NNE 3	N 1	6	3	—	Squally before ga. Fine day.
2	90	70	37.5	43.8	30.8	43.8	2.5	0.6	1.78	2.72	79	96	W 2	WSW 6	10	10	2.224	Squally p.
3	29.82	29.85	44.6	48.0	41.7	49.9	0.4	0.9	2.85	3.12	97	94	W 2	WSW 4	10	9	0.003	☼ (mist) ☼ showers a. Fine p.
4	30.03	30.12	47.4	47.8	46.2	49.0	1.3	1.0	2.98	3.07	91	93	NW 3	WSW 3	8	10	—	Fine day.
5	06	09	48.2	49.0	45.8	50.8	1.2	2.0	3.07	2.98	92	86	W 4	NNW 2	10	10	0.007	Dull day.
6	16	15	47.2	46.0	46.0	49.0	1.4	1.1	2.91	2.85	91	92	WNW 3	WNW 4	10	9	0.001	Overcast.
7	30.09	30.02	44.8	45.0	43.3	47.0	2.4	1.2	2.43	2.71	82	91	WNW 3	NW 3-4	5	10	1.008	Fine a. Dull, with ☼ showers p.
8	29.87	29.84	45.0	47.0	44.0	47.7	0.1	1.0	2.97	2.98	99	93	NW 5	WNW 5-6	10	10	0.057	☼ (mist) a. Squally ☼ p.
9	89	79	44.7	42.6	42.3	47.2	1.8	1.6	2.53	2.38	86	87	NNW 5-6	W 3	3	3	—	Fine, with squally a.
10	57	49	42.2	36.0	33.0	43.5	0.2	2.5	2.65	1.67	98	78	W 5	WNW 5	4	3	0.001	Squally ga. Dull day. * 1.30p.
11	33	23	36.8	33.0	33.0	40.5	2.0	0.7	1.81	1.73	83	92	WNW 4	NNW 1	4	4	0.032	* p.
12	28	31	35.8	36.0	27.8	41.4	1.2	1.2	1.88	1.80	89	89	NNW 1	NW 3-4	6	6	1.160	* before ga. Fine a. * Δ 3p. and n.
13	46	58	32.7	23.0	23.0	36.9	0.4	0.0	1.78	1.23	95	100	WNW 4	Calm 0	4	0	—	* before ga. Fine a. ~ ²
14	29.70	29.90	36.0	33.0	21.3	37.7	0.1	1.2	2.10	1.63	99	87	NNE 5	N 4	1	2	—	Squally a. Very fine, with fresh breeze.
15	30.04	30.14	35.7	32.6	30.9	38.0	0.7	0.2	1.96	1.81	94	97	WNW 3	N 3	3	3	0.076	Very fine.
16	30.21	30.14	35.0	26.8	26.8	37.8	0.6	0.4	1.92	1.32	94	91	NE 3	N 1	3	0	0.016	* before ga. Overcast a. ☼ showers n.
17	29.97	30.08	36.0	35.0	25.0	41.1	0.9	1.9	1.95	1.66	92	81	NE 1	NNW 3	9	0	0.031	Overcast, with ☼ a. Dull p.
18	85	29.65	39.8	36.0	33.3	42.7	1.0	4.2	2.24	1.39	92	65	NNW 3	NE 4	10	8	0.016	Fine, but squally. * at night.
19	62	70	35.6	33.6	30.4	38.2	0.6	0.6	1.97	1.81	95	93	NE 5	NNE 5-6	4	9	0.051	* before ga.
20	73	89	35.9	35.7	32.2	38.6	1.5	2.0	1.83	1.72	87	82	ENE 4	NE 3	7	1	—	☼ a. Dull day. Squally p.
21	90	83	36.5	37.6	34.2	40.4	1.8	2.6	1.83	1.77	85	78	NNE 4	NE 5	10	8	0.002	Squally * a. Dull day. p.
22	86	29.90	34.4	35.0	33.4	37.6	0.8	0.6	1.83	1.92	92	94	ENE 5	E 5	9	10	0.003	Fine, but with squally p.
23	29.99	30.04	34.0	34.0	33.2	37.5	1.2	1.2	1.72	1.72	87	87	E 6	ENE 6	7	9	—	* showers.
24	30.07	30.06	34.4	33.0	31.5	36.7	0.6	0.5	1.87	1.98	94	95	ENE 3	NE 3	4	10	—	Overcast, with squally p. * sp.
25	04	01	34.8	34.2	31.8	35.9	0.8	0.7	1.86	1.84	92	93	NE 6	ESE 5	10	10	0.004	* showers a.
26	14	15	31.8	35.6	31.2	37.0	0.8	2.6	1.60	1.60	90	76	NE 3	NE 2	8	9	—	Overcast a. Dull p.
27	23	32	37.7	36.8	31.2	39.8	1.7	1.8	1.93	1.84	85	85	NE 2	NE 4	10	0	—	Fine day.
28	37	37	38.1	36.0	32.4	39.9	2.1	3.0	1.89	1.58	82	74	NNE 4	ENE 3	6	8	0.001	Δ * showers a.
29	30.35	30.30	35.2	35.6	34.0	38.8	0.4	1.6	1.98	1.79	96	85	E 3	NE 2	8	8	—	
Mean	29.900	29.917	38.4	37.2	33.8	41.6	1.1	1.4	2.14	2.00	90.6	87.7	3.6	3.4	6.9	6.2	0.777	

STONYHURST.—FEBRUARY 1888.

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.

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.		
	ins.	ins.							in.	in.	%	%						
1	29°57	29°72	40°8	30°0	28°7	38°5	0°9	1°8	2°36	1°20	93	72	Calm 0	Calm 0	3	10	ins.	☼. Bright and sunny.
2	68	51	33°3	34°8	29°2	37°4	1°4	0°8	1°62	1°86	85	92	W 1	swbyw3	10	10	0°330	Overcast and gloomy. ☼ p.
3	58	61	40°7	43°9	34°0	44°3	0°8	0°6	2°37	2°73	93	95	Calm 0	WSW 2	10	10	0°054	Overcast and gloomy. ☼ p.
4	77	89	43°2	43°0	42°0	45°9	0°7	0°9	2°04	2°57	94	93	WSW 1	Calm 0	10	10	0°043	☼ a. Dull and overcast.
5	82	83	44°2	43°7	42°0	45°8	0°9	0°9	2°70	2°65	93	92	WbyS 6	SbyW 2	10	10	0°003	Overcast, with ☼.
6	90	90	45°0	43°4	41°6	47°6	1°6	1°5	2°62	2°49	88	88	WbyS 1	swbyS 1	10	10	0°250	Overcast all day.
7	81	76	43°0	42°8	41°8	44°6	2°7	1°8	2°21	2°36	80	86	WNW 3	W 2	6	10	1°159	Sunny and squally a. Overcast p.
8	61	58	43°1	43°8	41°6	44°3	0°7	1°0	2°63	2°64	94	92	W 3	WSW 2	10	10	0°041	Overcast, with ☼. Squally p.
9	63	57	41°2	41°3	39°9	45°1	2°3	1°9	2°12	2°21	82	85	WhyN1	WhyS 2	1	10	—	Fine and sunny a. Squally p.
10	34	27	40°8	33°0	31°3	43°9	1°5	1°4	2°23	1°59	88	84	WbyS 3	WbyS 1	5	10	0°060	Fine, sunny, and squally a. ☼ ☼ p.
11	12	00	36°5	31°5	29°9	39°2	3°2	0°1	1°58	1°75	73	99	W 2	Calm 0	7	10	0°022	☼ ☼ a. ☼ p.
12	05	09	27°2	32°3	24°6	37°9	0°7	1°3	1°26	1°54	86	84	Calm 0	Calm 0	7	10	1°190	☼. Fine and sunny a. ☼ p.
13	23	37	28°5	25°1	23°7	35°2	1°2	1°1	1°22	0°98	79	72	WbyS 1	Calm 0	5	0	0°010	☼ ☼ a. ☼ p.
14	42	55	22°6	33°0	16°7	36°6	2°0	0°5	0°62	1°38	52	73	NbyE 1	N 4	1	3	—	Fine and sunny. ☼ p.
15	71	87	32°9	32°1	30°6	36°6	1°5	0°5	1°56	1°71	83	93	N 3	NbyE 1	1	3	—	Bright and sunny a. Cloudy p.
16	94	89	32°8	24°5	24°5	36°0	2°2	0°3	1°41	1°21	76	92	NbyW 1	Calm 0	1	0	0°017	Fine and sunny.
17	72	78	27°4	33°5	22°0	34°6	1°0	2°5	1°18	1°42	80	74	Calm 0	NbyE 1	10	3	—	☼ a. Overcast.
18	58	34	34°0	31°4	30°3	40°4	2°4	3°4	1°48	1°05	76	60	Calm 0	N 1	8	2	0°009	Fine and sunny.
19	29	33	31°4	33°4	27°1	35°7	0°2	1°6	1°73	1°59	97	83	NNE 2	NbyN 2	8	10	1°184	Overcast, with ☼ showers.
20	43	59	34°2	33°8	30°0	37°1	2°3	2°1	1°52	1°52	78	79	NbyN 2	NbyN 2	8	10	—	☼ a. Fine and sunny p. Overcast
21	59	54	33°5	32°3	30°5	37°9	2°1	0°4	1°50	1°75	78	96	N	NbyN 2	7	10	0°011	☼ a. and p. [and squally later]
22	58	64	31°0	32°5	30°3	33°5	1°8	1°8	1°31	1°46	74	79	NbyE 1	NE 1	10	10	—	Overcast and threatening.
23	72	78	32°6	31°2	29°9	35°2	3°5	3°2	1°16	1°06	63	61	ENE 3	NbyN 2	10	10	—	Sunny and squally.
24	79	77	30°2	28°1	26°9	32°0	2°8	1°6	1°02	1°09	61	71	NbyN 1	NE 1	10	10	—	Overcast, with ☼.
25	71	76	31°9	34°7	27°2	34°0	2°0	2°0	1°36	1°21	75	71	NbyE 2	ENE 2	10	10	—	☼ a. Overcast.
26	88	29°89	30°2	33°8	27°2	35°5	0°2	1°8	1°63	1°58	97	81	NE 1	NbyE 1	2	10	—	Fine and sunny a. Cloudy p.
27	29°94	30°02	34°0	34°2	32°6	37°0	1°4	2°0	1°68	1°58	85	80	NE 2	NbyN 2	10	1	—	Overcast and threatening a.
28	30°11	11	34°4	34°3	30°0	37°9	2°5	2°6	1°51	1°29	76	70	NbyN 1	NbyN 1	8	10	0°019	☼ a. Fine and sunny.
29	30°09	30°02	31°5	31°7	28°9	36°3	1°6	2°5	1°38	1°24	78	68	Calm 0	ENE 2	10	10	0°013	Overcast, with ☼ a. and p.
Mean	29°642	29°653	34°9	34°4	30°9	38°8	1°7	1°6	1°71	1°68	81°3	81°6	1°5	1°4	7°2	8°0	1°415	

CHURCHSTOKE.—FEBRUARY 1888.

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.

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.	28° 9	29° 9	27° 1	34° 5	0° 5	0° 0	in.	in.	°/o	°/o	NE 3	NW 2	5	8	ins.	Cold, bright, and sharp.	
2	29° 32	29° 48	28° 9	29° 9	27° 1	34° 5	0° 8	1° 4	° 145	° 166	91	100	WNW 1	WSW 6	10	9	° 034	Dull and cold, with	
3	° 50	° 38	31° 9	37° 3	23° 1	37° 4	0° 8	1° 4	° 161	° 195	89	88	W 2	W 2	2	9	8	Mild and cloudy.	
4	° 43	° 47	44° 0	45° 8	36° 1	47° 9	0° 9	0° 9	° 267	° 287	93	93	SW 1	SW 1	1	10	8	Mild and cloudy.	
5	° 66	° 75	46° 0	49° 8	41° 1	49° 0	2° 1	0° 9	° 262	° 255	85	93	NW 3	NW 2	10	10	10	Fine and breezy.	
6	° 71	° 68	45° 3	45° 3	41° 8	48° 1	2° 4	1° 4	° 248	° 270	82	89	NW 1	NW 1	10	10	10	Dull and cloudy.	
7	° 73	° 76	46° 6	43° 3	42° 5	48° 5	3° 7	1° 6	° 235	° 244	74	88	NW 3	NW 2	9	9	° 050	Cloudy and threatening.	
8	° 65	° 03	45° 9	42° 8	41° 1	48° 1	1° 0	2° 4	° 286	° 225	93	81	NW 2	NW 3	8	10	° 040	showers.	
9	° 47	° 45	44° 8	45° 2	41° 1	47° 3	1° 9	1° 5	° 253	° 266	85	89	NW 2	NW 1	9	6	° 010	showers.	
10	° 47	° 44	45° 0	40° 8	39° 0	47° 1	2° 3	1° 9	° 248	° 215	83	85	NW 1	NW 1	10	4	° 053	storms.	
11	20° 24	20° 11	41° 8	35° 3	34° 8	47° 3	1° 7	1° 4	° 228	° 179	87	87	W 3	SE 1	1	9	3	° 056	in past n. Bright day.
12	28° 09	28° 83	37° 3	30° 4	28° 2	41° 9	2° 4	0° 5	° 177	° 155	80	91	W 1	W 1	4	10	° 078	in past n. Bright day.	
13	28° 91	28° 93	35° 7	33° 4	21° 3	41° 5	3° 8	1° 5	° 142	° 159	67	84	NW 1	NE 1	5	10	—	Threatening appearance.	
14	20° 11	20° 11	31° 9	28° 9	23° 3	34° 8	1° 5	0° 0	° 146	° 159	81	100	NE 1	NW 3	10	10	—	Cold and threatening.	
15	° 09	° 33	28° 9	33° 9	25° 5	35° 1	0° 1	1° 0	° 156	° 174	98	89	NE 1	NE 2	10	8	—	Cold and bright.	
16	° 05	° 33	31° 1	31° 3	20° 9	34° 5	2° 2	0° 4	° 144	° 166	76	95	N 4	NE 2	10	8	—	a. Very sharp.	
17	° 67	° 67	31° 9	23° 4	22° 1	34° 4	2° 0	0° 4	° 136	° 110	75	89	NNE 1	NW 1	6	0	° 038	most of day, with very cold wind	
18	° 50	° 56	28° 3	32° 3	18° 8	32° 5	0° 4	0° 4	° 143	° 174	93	96	NW 1	NE 2	10	10	—	(4 ins. deep).	
19	° 37	° 10	35° 4	32° 3	26° 3	41° 0	4° 0	1° 6	° 135	° 148	66	81	NW 2	NE 3	8	10	° 020	Very cold, with bitter wind.	
20	° 03	° 06	30° 4	31° 9	26° 2	33° 6	1° 7	0° 0	° 127	° 180	75	100	NE 3	NE 5	10	10	—	Dull and heavy.	
21	° 16	° 30	31° 7	33° 7	29° 0	34° 5	1° 8	2° 8	° 139	° 140	77	72	NE 2	NE 2	2	9	10	° 030	n. and most of day (5 ins. deep).
22	° 35	° 20	32° 1	32° 9	31° 2	35° 5	2° 8	2° 0	° 123	° 146	68	78	NE 4	NE 3	10	10	—	Cloudy and sharp.	
23	° 31	° 38	20° 9	30° 7	28° 4	34° 0	1° 1	2° 8	° 137	° 103	82	63	NE 4	NE 3	10	10	—	Cold and raw, with (mist).	
24	° 44	° 53	31° 7	28° 9	27° 8	32° 8	1° 0	1° 2	° 155	° 125	87	80	NE 3	NE 5	10	10	—	(mist) a.	
25	° 51	° 50	27° 5	25° 0	24° 0	31° 0	1° 2	0° 5	° 113	° 116	77	87	NE 1	NE 3	9	8	° 030	in evening.	
26	° 46	° 51	28° 4	26° 0	23° 8	30° 8	0° 5	1° 0	° 140	° 107	91	76	NE 4	NE 3	10	10	° 070		
27	° 63	° 62	28° 9	30° 9	17° 8	31° 4	1° 0	2° 0	° 131	° 125	82	72	NNE 3	NE 3	10	10	—		
28	° 70	° 79	32° 9	32° 9	30° 1	34° 0	1° 0	1° 0	° 166	° 166	89	89	NNE 2	NE 2	10	10	—		
29	° 90	° 87	30° 7	29° 9	29° 0	37° 2	1° 8	1° 0	° 128	° 137	74	84	N 2	N 3	10	10	—		
30	29° 84	29° 74	29° 9	29° 1	26° 3	30° 8	2° 0	1° 2	° 116	° 129	69	80	NE 3	NE 3	10	8	° 031		
Mean	29° 438	29° 445	35° 1	34° 0	29° 5	38° 5	1° 7	1° 2	° 172	° 173	81° 7	86° 2	2° 1	2° 5	9° 0	8° 6	0° 596		

CARMARTHEN.—FEBRUARY 1888.

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.

1	29°69	29°91	31°9	29°9	28°3	38°0	2°9	1°0	149	139	73	84	E 4	Calm 0	0 0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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MARGATE.—FEBRUARY 1888.

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.

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.	30° 8	30° 0	27° 2	34° 8	0° 9	1° 0	150	140	87	83	E	3	NE	2	7	0	ins.	before 9a. — Sunny, but very cold.	
2	30° 05	30° 01	24° 4	32° 2	20° 6	36° 5	1° 4	0° 5	086	170	66	94	SSE	1	SW	3	2	6	0° 10	Sunny, but very cold. [cold.	
3	29° 02	29° 00	35° 7	38° 7	32° 0	41° 6	0° 5	0° 5	199	235	96	96	SW	2	SW	2	10	0	0	9a. Dull and cold.	
4	30° 06	30° 03	43° 6	46° 0	38° 1	46° 6	1° 8	1° 8	244	269	86	87	W	4	W	2	10	10	10	Rapid thaw.	
5	29° 17	29° 08	42° 0	45° 1	38° 2	46° 8	0° 3	1° 6	260	263	98	88	W	3	SW	2	10	10	10	—	
6	29° 12	29° 18	40° 9	42° 2	40° 1	46° 0	0° 2	0° 4	251	260	99	96	SW	1	SW	1	10	10	10	9a. Very dull.	
7	30° 10	30° 02	43° 7	38° 0	36° 0	45° 3	1° 9	1° 5	242	199	85	87	W	3	W	3	10	10	10	—	
8	29° 84	29° 85	41° 0	41° 9	38° 0	45° 8	0° 8	0° 8	239	248	94	94	SW	3	SW	2	10	10	10	p. 0 Mild.	
9	29° 84	29° 92	42° 7	41° 9	40° 9	45° 1	0° 7	2° 1	258	223	94	85	NW	1	SW	1	10	10	10	Dull day. in afternoon.	
10	29° 78	29° 61	41° 2	40° 9	39° 1	46° 5	1° 5	1° 1	227	233	89	91	W	2	SW	2	10	7	10	p. 2	
11	29° 56	29° 38	36° 4	37° 0	35° 0	43° 8	1° 3	0° 8	188	204	89	93	SW	3	SSW	3	7	10	10	a. and p. Fine day.	
12	29° 41	29° 49	34° 5	31° 8	31° 8	38° 2	1° 5	0° 0	170	179	85	100	SW	2	SW	1	6	0	0	before 9a. * 0 a. p.	
13	29° 60	29° 65	33° 6	37° 7	30° 9	40° 2	1° 5	0° 9	162	189	84	83	SW	2	E	2	7	10	10	* a. p.	
14	29° 50	29° 53	35° 2	33° 8	32° 2	39° 0	0° 2	0° 8	201	178	98	91	S	3	E	2	10	10	10	* a. p. showers all day.	
15	29° 73	29° 84	35° 8	34° 0	32° 8	36° 8	1° 0	0° 5	190	189	91	97	NNE	2	NE	4	9	10	10	* a. p.	
16	29° 92	29° 92	34° 3	34° 8	32° 2	36° 8	1° 0	0° 8	177	186	89	92	NNE	5	NW	5	10	10	10	* a. p.	
17	29° 81	29° 80	33° 8	33° 4	33° 0	35° 8	1° 0	0° 9	174	172	89	91	NNW	4	N	6	10	10	10	* a. p.	
18	29° 77	29° 45	34° 0	33° 6	33° 1	36° 3	1° 0	0° 4	175	184	89	95	N	4	W	3	10	10	10	* a. p.	
19	29° 71	29° 34	32° 8	31° 1	30° 2	34° 8	1° 1	0° 0	163	174	88	100	E	5	E	8	8	10	10	* a. p. (sleet).	
20	29° 56	29° 57	35° 0	34° 5	29° 0	37° 5	3° 0	1° 2	148	176	72	88	E	3	NE	6	7	10	10	before 9a. Sunny, but cold.	
21	29° 62	29° 65	34° 8	32° 5	32° 0	34° 8	1° 9	0° 5	166	162	81	82	N	6	N	2	10	10	10	a. Fine day.	
22	29° 71	29° 79	29° 2	28° 3	27° 6	33° 0	0° 4	0° 1	149	152	93	99	E	3	E	2	10	10	10	a. Cold and dry.	
23	29° 87	29° 92	27° 0	26° 3	25° 0	30° 2	0° 6	0° 6	127	145	87	90	E	4	E	3	10	10	10	a. and p. * 0 a. p.	
24	29° 83	29° 83	25° 1	20° 3	23° 0	31° 3	0° 2	0° 3	128	133	96	94	E	5	E	3	10	10	10	* storms. p.	
25	29° 82	29° 105	28° 1	31° 3	25° 7	32° 1	0° 1	0° 5	151	163	98	93	E	3	E	4	10	10	10	a. Sunny, but very cold.	
26	29° 94	29° 98	34° 1	33° 0	31° 1	34° 6	1° 8	0° 9	160	169	81	90	ENE	4	NE	4	7	10	10	Dull, and very cold, with p.	
27	30° 04	30° 15	33° 6	34° 0	32° 1	34° 4	1° 4	1° 8	165	160	85	81	NNE	3	NE	3	10	10	10	Dull day.	
28	29° 25	29° 26	30° 8	31° 0	29° 2	34° 6	0° 7	1° 0	154	149	90	85	NE	3	NE	3	10	10	10	—	
29	30° 22	30° 14	30° 8	28° 8	27° 2	32° 4	0° 3	0° 1	162	155	96	99	NNE	4	E	2	10	10	10	* all day.	
Mean	29° 828	29° 844	34° 6	34° 9	31° 9	38° 3	1° 0	0° 9	182	188	88° 8	91° 2	3° 1	2° 9	9° 0	8° 3	2° 40				

BABBACOMBE.—FEBRUARY 1888.

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.

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.	32.4	28.8	28.5	36.0	1.3	2.9	155	0.86	84	55	NE 6	NE 3	10	0	ins.	* 9 a. Squally (gale) 9 a-10 a. ~
2	29.41	29.74	32.4	28.8	28.5	36.0	1.3	2.9	155	0.86	84	55	N 1	W 2	2	10	0.40	~ 0 a. (mist) till 8 p. * 0 11 p.
3	29.85	29.82	27.2	35.2	21.6	41.0	2.1	3.6	088	1.40	61	68	W 3	W 3	10	2	0.10	~ (mist) a. ~ p.
4	29.79	29.86	41.9	42.8	33.4	51.8	0.9	1.0	246	2.53	93	92	WSW 2	W 2	6	9	—	~ 2 (mist) a. and p. Clear 11 a-12 p.
5	29.98	30.07	45.7	43.4	41.5	55.4	1.0	0.9	284	2.61	93	93	NW 2	NNW 1	8	6	—	Clear noon-4 p. ~ p.
6	30.06	29.98	45.1	44.8	43.2	48.0	2.0	1.9	255	2.54	85	85	N 3	NNW 2	9	10	—	Dull a. and p.
7	30.02	30.07	46.9	45.6	44.3	52.3	3.2	2.8	248	2.43	78	80	WNW 2	WNW 1	9	0	—	~ p.
8	30.02	29.95	45.1	39.2	38.6	53.6	3.2	1.3	231	2.14	77	89	NW 3	NNW 4	10	5	—	Dull till 10 a. Sky green in N. at times
9	29.82	29.78	43.8	45.6	38.4	48.8	2.8	2.3	226	2.54	78	83	NW 3	NNW 4	10	5	—	Dull a. and p. ~ (mist) p.
10	29.76	29.78	46.8	44.9	44.1	50.3	1.2	1.0	200	2.74	91	92	WSW 3	WNW 1	8	5	0.10	~ showers.
11	29.61	29.48	46.1	41.0	40.9	48.5	1.3	1.2	280	2.31	91	90	SW 2	W 2	10	6	0.10	Dull, with ~ (mist) a. and p. ~ p.
12	29.36	29.17	40.0	37.7	37.5	46.0	0.8	0.8	231	2.10	94	93	SW 2	W 3	9	10	0.10	~ 0 a. ~ (mist) p. * ~ p.
13	29.21	29.31	35.1	35.2	31.5	43.7	1.1	2.2	182	1.63	89	79	N 2	W 3	9	10	0.10	~ a. ~ (mist) p. * ~ p.
14	29.48	29.36	36.1	33.7	28.5	42.7	3.7	0.5	146	1.83	69	94	WSW 2	SW 3	3	10	150	* early a. ~ 11 a. * ~ a. (mist) p.
15	29.37	29.54	28.9	32.9	28.3	37.1	0.9	3.2	133	1.24	84	67	NNW 5	N 5	10	1	0.50	Squally a. and p. * ~ a. (mist) p.
16	29.71	29.85	35.0	32.1	31.3	40.6	3.1	2.2	146	1.34	71	73	N 4	N 3	8	0	—	* 10.30 a. ~ (mist).
17	29.86	29.88	34.5	31.8	28.3	37.9	3.6	3.4	134	1.09	68	61	NNE 5	NNE 5	0	0	0.10	Squally (gale) a. Fine day. Squally p.
18	29.75	29.75	30.6	33.8	26.9	36.7	1.0	2.8	137	1.40	83	72	NNE 3	NNE 4	10	6	0.10	* 9 a-11 a. ~ (mist) p.
19	29.70	29.36	38.0	35.9	31.5	42.6	4.4	1.0	151	1.91	66	91	NNW 3	NNW 2	2	7	0.40	Squally with * early a. ~ * p.
20	29.17	29.22	30.7	32.4	27.7	36.0	2.0	1.2	124	1.57	72	86	NNE 5	NNE 5	8	8	0.10	Squally, with * early a. ~ * p.
21	29.25	29.42	32.9	34.9	32.1	36.4	2.7	2.4	134	1.58	72	77	ENE 5	NE 5	9	10	—	~ 0 ga. Squally, with * p.
22	29.47	29.48	34.1	35.0	33.3	39.9	2.5	2.9	136	1.30	77	74	NNE 5	NE 4	4	10	—	Squally a. ~ (mist). Dull p.
23	29.48	29.54	31.2	30.9	30.4	35.0	1.7	1.8	136	1.30	77	74	NE 3	ENE 3	10	10	—	* 0 a. and p. Dull day. ~ (mist) p.
24	29.59	29.64	29.9	29.7	28.5	31.0	2.1	1.8	113	1.18	68	72	ENE 5	ENE 6	10	10	—	* 0 showers p. ~ (mist).
25	29.68	29.65	29.0	24.9	24.6	32.7	1.7	1.0	113	0.75	72	57	NE 3	NNE 5	10	1	—	* 0 showers a. and p. Squally p.
26	29.65	29.68	28.8	33.2	23.3	33.4	1.2	2.2	123	1.45	79	77	NNE 4	E 3	10	10	—	Dull, with * showers a. and p. ~ p.
27	29.72	29.76	30.9	32.8	25.1	38.6	2.6	2.1	114	1.43	66	77	NE 4	NE 7	2	10	—	~ 0 p. Squally p. ~ (mist).
28	29.87	29.94	32.1	34.8	32.0	35.0	1.1	1.3	156	1.76	86	87	ENE 3	NNE 3	10	10	—	~ 0 a. and p. Dull, with ~ (mist)
29	30.05	30.06	34.5	32.1	32.1	42.7	1.9	2.1	162	1.36	81	74	NNE 3	NE 3	2	9	—	~ (mist) till 10 p.
30	30.04	30.04	29.1	29.8	28.3	32.4	2.1	1.7	105	1.21	66	73	ENE 4	NE 3	10	1	—	* 0 showers 9 a-8 p.
Mean	29.680	29.690	35.9	35.7	32.3	41.6	2.0	1.9	172	1.71	78.2	78.8	3.4	3.2	7.4	6.4	0.460	

LONDONDERRY.—FEBRUARY 1888.

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.

1	30.01	30.04	36.4	34.2	32.0	39.6	1.6	1.3	185	172	86	86	NE 1	NW 1	10	10	0.40
2	29.90	29.81	35.7	44.7	33.0	48.0	0.3	0.8	204	277	98	93	W 2	SW 1	10	0	0.200
3	29.86	29.95	45.2	47.7	42.0	48.9	0.3	1.3	295	299	98	91	SW 2	W 2	10	10	—
4	30.09	30.13	43.7	46.7	43.0	50.0	0.3	1.8	278	277	97	87	SW 2	W 2	4	10	—
5	12	18	49.7	47.7	45.0	51.0	1.8	1.8	311	287	87	87	W 3	W 2	10	10	0.20
6	23	17	46.2	46.2	45.1	49.1	1.3	1.3	283	283	91	91	SW 2	W 2	10	10	0.050
7	19	30.11	42.7	45.7	41.5	48.0	1.8	1.2	235	279	85	92	NW 2	WNW 3	10	10	0.010
8	02	29.96	45.3	48.7	44.0	49.3	0.8	0.8	284	324	94	94	NW 2	NW 4	10	10	0.050
9	30.01	29.87	43.2	42.2	41.0	49.0	2.3	1.4	230	239	82	89	NW 2	NW 2	5	10	0.200
10	29.65	29.57	36.7	33.7	33.0	42.5	0.8	0.8	202	178	93	91	W 2	NW 2	10	10	0.230
11	41	35	33.6	30.7	30.0	36.3	0.7	0.8	179	151	92	88	SW 2	SW 1	10	0	0.090
12	35	46	32.2	34.2	29.0	36.3	1.0	3.3	160	136	88	69	NW 2	NW 3	9	10	0.060
13	52	29.61	30.7	29.6	27.2	35.6	0.9	0.0	149	164	87	100	NW 1	SW 1	8	10	0.090
14	29.93	30.09	31.2	34.7	26.0	42.3	1.0	2.3	151	157	86	77	NNW 1	NW 1	0	0	0.090
15	30.21	30.26	32.7	28.2	26.0	44.0	2.7	1.6	132	109	71	72	NE 1	NW 1	3	0	—
16	29	14	24.7	33.7	22.0	39.0	0.6	0.3	113	188	85	96	NW 1	S 2	0	10	0.170
17	30.16	30.24	38.7	37.4	33.0	44.5	2.0	1.5	197	194	84	87	NW 1	N 2	10	0	0.110
18	29.97	29.84	39.8	38.2	34.5	45.0	0.0	3.3	245	169	100	73	N 1	NW 2	10	10	0.060
19	87	29.95	33.7	36.2	31.5	40.5	1.8	3.3	157	154	81	72	NW 2	NW 1	1	10	0.010
20	29.90	30.07	36.8	36.4	35.0	41.5	1.9	1.5	182	187	84	87	NW 1	NE 1	10	10	—
21	30.06	30.01	35.0	37.7	35.0	44.0	1.6	0.8	172	210	84	93	NE 1	NE 2	1	3	0.030
22	00	02	36.2	34.7	34.0	40.0	2.3	1.8	171	166	80	82	NE 2	NE 1	10	10	—
23	05	16	33.7	31.7	30.0	41.7	2.8	1.3	139	149	72	83	E 2	E 2	10	5	—
24	20	21	33.4	33.2	28.0	35.7	2.5	1.3	142	163	74	86	N 2	NE 2	10	10	0.020
25	22	19	32.8	34.7	31.0	37.3	0.9	2.3	168	157	90	77	NE 1	E 2	10	10	—
26	24	26	34.8	34.7	32.0	38.2	1.9	1.1	164	180	81	89	NE 1	NE 2	10	10	—
27	37	49	35.7	37.2	34.0	40.0	1.8	2.3	176	178	83	80	NE 1	NE 1	10	10	—
28	52	48	32.7	30.7	28.9	46.7	0.8	0.5	170	159	91	93	NE 1	NE 1	9	0	—
29	30.47	30.43	33.1	36.0	29.9	41.6	0.7	0.8	174	197	92	93	NW 1	NE 2	10	10	—
Mean	30.028	30.035	36.8	37.5	33.7	43.0	1.4	1.5	195	199	86.8	86.1	1.6	1.8	7.9	7.5	1.530

● showers all day.

● all day.

● showers.

▲ all day.

* showers all day.

* showers all day.

* showers p.

Fine all day. * in evening.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

Fine all day.

ARMAGH.—FEBRUARY 1888.

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.

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.	30.2	31.6	31.2	39.5	2.0	0.8	177	1.59	83	89	N	1	NE	0.5	9	10	ins. .005
2	29.85	29.82	34.2	45.1	29.5	46.2	0.3	0.3	192	2.93	97	97	SW	3	W	1	10	10	.101
3	29.75	29.80	46.0	44.5	39.9	49.6	0.4	1.0	301	2.71	97	92	SW	1	W	1	10	10	.010
4	29.99	30.03	46.0	44.4	44.4	51.7	1.0	1.0	287	2.60	93	92	W	1	SW	2	10	10	—
5	30.03	30.06	48.0	46.3	44.4	52.6	1.9	1.3	287	2.83	87	91	SW	1	WSW	2	10	10	—
6	30.08	30.08	45.8	44.5	44.5	51.0	1.3	1.5	279	2.59	91	88	SW	1	SW	2	10	10	.027
7	30.07	29.97	44.0	43.3	39.0	49.8	2.0	1.7	244	2.44	84	87	W	1	W	2	3	9	—
8	29.90	29.83	44.6	46.3	41.2	49.5	1.2	2.3	267	2.61	91	84	W	1	W	2	10	10	—
9	29.88	29.74	44.0	40.0	38.9	46.4	3.4	2.0	216	2.07	75	84	NW	1	WSW	2	8	8	—
10	29.53	29.44	39.0	32.0	32.0	42.7	1.6	1.3	207	1.51	87	83	WSW	2	SW	2	6	2	.050
11	29.27	29.20	32.6	31.2	27.5	37.5	1.0	1.4	164	1.41	88	80	SW	1	WSW	1	7	7	—
12	29.24	29.34	30.0	32.1	27.5	35.0	0.2	0.9	161	1.61	97	88	SW	2	NNW	1	10	10	—
13	29.43	29.57	29.5	28.6	24.7	35.5	0.6	0.5	147	1.43	90	91	SW	1	NSW	1	10	7	—
14	29.78	29.92	37.5	29.0	19.9	40.6	2.5	1.0	177	1.30	79	82	SSW	0.5	N	1	0	8	—
15	30.07	30.11	36.0	27.0	26.0	38.5	2.8	1.0	161	1.14	76	79	N	1	N	0.5	0	3	—
16	30.17	30.04	29.9	33.6	19.4	40.5	1.0	1.6	140	1.61	84	83	Calm	0	SW	2	0	10	—
17	30.00	30.09	40.0	35.0	31.0	44.5	2.0	0.9	207	1.86	84	91	NNW	1	N	1	9	9	—
18	29.82	29.63	41.4	34.2	31.7	44.5	1.2	1.1	235	1.76	91	88	WNW	1	N	2	10	10	.070
19	29.67	29.74	35.0	34.0	27.9	41.5	1.0	1.2	184	1.72	90	87	N	3	N	2	9	10	—
20	29.71	29.90	37.0	32.1	32.0	41.7	2.1	1.4	180	1.83	82	82	NNE	3	NE	1	10	3	—
21	29.89	29.81	38.0	36.9	26.9	43.3	2.9	1.9	175	1.83	76	84	NE	1	NNE	1	3	10	—
22	29.81	29.84	36.0	34.6	33.5	44.5	3.9	2.0	144	1.62	67	80	ENE	2	NE	1	10	10	—
23	29.92	29.99	35.1	32.3	31.4	37.7	1.4	1.3	177	1.54	86	84	ENE	2	NE	2	8	10	—
24	30.03	30.02	32.7	32.2	28.4	36.0	0.7	1.4	172	1.51	93	83	NE	1	NE	1	10	10	—
25	30.03	30.98	34.0	32.0	29.6	36.5	1.0	1.4	176	1.49	89	82	NE	1	NNE	1	10	10	.027
26	30.08	30.11	34.4	33.8	29.8	35.9	0.7	1.0	185	1.75	93	89	ENE	1	NE	1	7	10	—
27	30.21	30.32	38.0	36.1	33.5	39.5	3.7	2.0	162	1.76	70	82	NE	1	NNE	1	10	10	—
28	30.36	30.32	39.0	34.6	30.3	42.5	4.0	2.6	164	1.51	70	75	NNE	1	NE	1	2	10	—
29	30.30	30.25	36.2	35.2	29.9	39.5	2.3	2.6	171	1.56	80	76	NE	1	NE	1	10	10	—
Mean	29.888	29.886	37.9	35.9	31.9	42.6	1.7	1.4	198	1.86	85.2	85.3	1.3	1.3	7.6	8.8	0.290		

DUBLIN (PHOENIX PARK).—FEBRUARY 1888.

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.

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.	38.5	37.6	26.9	40.8	2.4	0.6	in.	in.	ins.	ins.	NNE 3	Calm 0	7	0	ins.	Squally before 9a. ☼ ⁰ showers a.
2	29.84	29.98	38.5	37.6	26.9	40.8	2.4	0.6	1.87	1.32	81	88	WSW 2	WSW 4	10	10	1.40	☼ ⁰ a. and p. Dull, with ●.
3	29.85	29.93	40.1	47.9	41.8	50.7	0.2	1.1	3.08	3.05	98	93	WSW 2	WSW 3	10	4	0.15	Dull a. Cloudy p.
4	30.06	30.15	46.0	46.5	43.3	48.7	0.5	1.2	2.09	2.88	97	91	WSW 2	WSW 3	9	10	0.05	Dull day. ☼ ⁰ p.
5	30.12	30.14	46.7	47.0	45.0	49.8	0.9	2.0	2.98	2.75	94	86	WSW 3	WSW 2	10	10	—	Dull day throughout.
6	30.19	30.20	45.4	45.0	44.1	47.5	1.0	0.9	2.81	2.77	93	93	W 1	W 2	9	10	0.10	Dull and cloudy.
7	30.16	30.11	43.0	44.6	41.8	47.9	1.3	2.2	2.49	2.45	90	83	W 2	W 3	1	4	—	Beautiful a. Cloudy p.
8	29.97	29.93	44.5	47.0	41.9	49.0	1.6	2.0	2.57	2.75	88	86	W 3	W 3	7	10	0.10	Cloudy a. Dull p.
9	30.04	30.06	45.0	43.5	42.7	47.6	1.8	2.8	2.57	2.33	86	78	W 2	W 3	2	9	—	
10	30.04	30.07	41.5	33.7	32.6	45.1	1.4	1.2	2.32	1.69	80	87	W 2	W 2	2	8	0.10	Cloudy day. ☼ ⁰ p.
11	30.38	30.38	35.1	29.6	28.7	41.5	1.1	0.5	1.83	1.51	89	91	WSW 2	W 2	6	0	0.10	Beautiful day. ☼ ⁰ shower p.
12	30.32	30.41	30.6	33.2	25.3	39.8	0.8	1.2	1.50	1.65	89	87	W 2	W 3	7	10	—	Cloudy day.
13	30.51	30.58	30.1	25.0	24.8	33.4	0.5	0.2	1.53	1.27	92	94	WSW 2	Calm 0	7	1	—	
14	29.77	29.95	31.7	30.3	19.2	40.4	0.3	0.5	1.72	1.56	96	93	NNW 2	NW 2	1	0	0.05	Beautiful day.
15	30.08	30.15	30.3	29.9	26.1	38.7	0.3	0.9	1.61	1.42	95	85	NW 2	Calm 0	2	2	—	☼ ⁰ a. Beautiful day.
16	30.21	30.14	25.9	27.6	18.2	41.6	0.3	0.7	1.18	1.30	92	86	Calm 0	Calm 0	2	4	0.05	Beautiful day.
17	30.01	30.13	39.5	34.6	26.2	43.8	2.2	1.8	2.00	1.65	82	82	NNW 2	NNW 2	9	3	0.05	☼ ⁰ a. Beautiful day.
18	29.93	29.69	27.5	36.1	26.2	43.6	0.8	3.1	2.09	1.57	93	73	WNW 2	N 4	10	9	1.10	Dull, with ☼ ⁰ .
19	30.61	30.71	31.4	36.1	29.0	37.8	0.9	3.1	1.55	1.57	88	73	N 4	N 5	8	8	2.00	Squally ☼ ⁰ .
20	30.67	30.88	35.6	36.8	31.8	39.7	1.7	3.0	1.78	1.65	85	75	NE 5	NE 3	9	9	0.30	Squally ☼ ⁰ showers. [showers n.
21	30.89	30.83	37.8	37.5	33.7	39.6	3.5	2.1	1.64	1.84	71	82	NE 5	NNE 3	10	9	1.40	☼ ⁰ a. Dull day. ☼ ⁰ a.
22	30.81	30.84	32.8	33.9	31.1	37.8	0.5	1.6	1.77	1.63	94	83	ENE 3	ENE 2	10	10	1.00	△ ⁰ a. Dull, with frequent ☼ ⁰
23	29.92	29.99	34.8	34.7	33.0	35.8	3.5	2.5	1.38	1.54	69	76	ENE 3	ENE 3	9	10	0.05	Dull and cloudy. [showers.
24	30.03	30.03	32.5	34.2	30.3	36.6	0.5	1.3	1.74	1.72	94	86	ENE 3	ENE 3	2	9	0.10	☼ ⁰ showers.
25	30.03	30.08	33.9	33.2	32.2	35.7	1.9	0.4	1.57	1.81	80	95	NE 3	NE 3	10	10	0.70	Dull, with ☼ ⁰ showers.
26	30.09	30.12	33.0	34.7	31.3	33.5	1.0	2.1	1.67	1.60	89	79	E 2	ENE 2	10	10	—	Dull day throughout.
27	30.21	30.32	36.7	38.4	33.9	38.8	2.8	2.4	1.67	1.85	77	81	NE 2	NNE 2	9	10	0.05	Dull and cloudy.
28	30.37	30.35	38.6	36.6	34.9	39.3	2.7	1.9	1.83	1.82	79	84	NE 2	NE 2	9	10	—	Dull day.
29	30.32	30.26	35.3	35.2	32.5	37.2	1.5	2.9	1.78	1.52	86	74	ENE 2	NE 3	10	7	0.20	Dull, with ☼ ⁰ (sleet) showers.
Mean	29.926	29.941	36.9	36.7	32.3	41.6	1.3	1.6	1.97	1.90	87.8	81.9	2.3	2.4	7.3	6.8	0.915	

PARSONSTOWN (BIRK CASTLE).—FEBRUARY 1888.

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.

1	29.86	29.99	33.6	30.0	29.0	39.6	1.7	0.2	1.58	1.61	83	97	NNE 1	Calm 0	1	10	—	Calm and cool.
2	29.94	30.01	33.1	44.7	28.9	44.9	1.2	0.5	1.64	2.84	87	96	Calm 0	SW 3	10	10	199	* ⁰ a. ● p. Wind gusty.
3	29.97	29.96	45.9	43.4	42.8	50.1	0.6	0.8	2.06	2.64	96	94	WSW 1	Calm 0	10	1	200	Damp and gloomy.
4	30.07	30.15	44.9	46.8	42.2	50.5	0.1	1.8	2.95	2.77	99	87	Calm 0	WSW 1	10	10	209	☼ a. Damp and gloomy.
5	30.15	30.15	46.4	46.2	44.6	48.8	1.3	1.6	2.84	2.76	91	89	SW 1	W 2	10	10	—	Damp, calm and gloomy.
6	30.21	30.21	44.6	44.1	42.8	46.8	1.4	1.0	2.63	2.66	90	92	Calm 0	SW 1	9	10	2030	Mild a. ● ⁰ 3p.
7	30.19	30.15	42.8	44.7	41.6	48.7	0.9	2.8	2.56	2.35	93	79	Calm 0	WNW 1	1	10	—	Bright till 11 a. Gloomy afternoon.
8	30.05	30.00	44.7	45.6	41.0	49.7	1.6	1.6	2.59	2.69	88	88	WNW 1	W 1	10	10	2028	Gloomy, with ● ⁰ showers.
9	29.98	29.90	45.9	41.9	40.9	48.9	0.8	1.1	2.90	2.44	95	92	Calm 0	SW 1	10	10	2011	☼ showers a.
10	30.07	30.08	42.6	37.6	36.1	45.9	1.4	3.1	2.42	1.86	89	82	WSW 1	WSW 2	10	10	2010	Bright 11 a.—6p. ● shower 3p.
11	30.38	30.30	34.8	28.8	28.0	40.6	0.9	0.0	1.84	1.69	92	100	Calm 0	Calm 0	1	0	2035	Bright, with ☼ a. △ * ⁰ 3p. —
12	30.35	30.47	29.7	32.0	23.0	37.5	0.8	0.9	1.44	1.60	87	88	Calm 0	NNW 2	1	10	2013	Bright, with ☼ a. △ noon. △
13	30.40	30.57	29.9	23.1	22.2	34.2	0.9	0.1	1.42	1.20	85	97	SSW 1	Calm 0	9	10	2021	* ⁰ n. △ noon—4p. [4p.
14	30.82	30.97	26.5	28.0	22.4	37.9	0.5	0.9	1.27	1.25	89	82	NNW 1	N 1	0	0	—	* ⁰ n. Day bright. —
15	30.12	30.13	29.7	29.4	24.6	38.8	1.5	0.9	1.25	1.38	76	85	Calm 0	Calm 0	1	6	—	△ n. Day bright. — ∞ p.
16	30.18	30.11	23.8	32.4	19.3	41.0	0.2	1.6	1.21	1.49	95	81	Calm 0	Calm 0	0	10	2056	* ⁰ a. Day bright. * ⁰ from 9p. ∞
17	30.06	30.14	38.3	33.1	31.7	43.5	1.0	1.1	2.11	1.66	92	88	NNW 1	N 1	9	0	2008	* ⁰ n. Thaw during day. — p.
18	29.95	29.72	39.5	40.5	31.6	46.6	0.6	1.7	2.30	2.17	95	86	WNW 1	NNW 2	10	10	2020	— a. ● nearly all day.
19	30.68	30.77	31.8	31.9	28.8	41.4	2.3	1.7	1.29	1.42	72	78	NNE 3	NNW 3	0	5	2024	Bright, but cold.
20	30.71	30.89	32.9	33.2	30.8	38.7	0.1	0.2	1.86	1.86	99	98	N 3	Calm 0	10	5	—	* ⁰ from 6a. Squally all day.
21	30.92	30.85	32.5	34.9	26.8	42.3	1.4	1.0	1.54	1.65	83	81	N 1	NE 1	10	10	—	— a. Thaw during day.
22	30.80	30.83	34.1	32.5	30.9	38.4	2.2	0.6	1.53	1.72	78	93	NE 1	NNE 1	8	10	2031	☼ a. * ⁰ showers from 7a.
23	29.90	29.95	33.0	32.4	31.2	35.4	1.9	1.7	1.49	1.47	79	80	Calm 0	Calm 0	10	9	—	* ⁰ 9.30 a.
24	30.02	30.03	32.1	32.5	30.2	35.5	0.4	1.0	1.74	1.44	95	78	NNE 1	N 1	8	7	—	* ⁰ showers all day.
25	30.05	30.00	31.6	30.7	28.8	36.4	1.5	0.7	1.44	1.59	80	89	Calm 0	N 2	10	10	—	∞ a. * ⁰ showers during day.
26	30.06	30.09	32.5	28.8	27.8	35.4	0.6	0.8	1.72	1.35	93	86	ENE 1	Calm 0	10	0	—	∞ a. — from 6p.
27	30.21	30.32	33.7	36.2	27.7	38.1	1.8	2.3	1.57	1.71	82	80	Calm 0	NNE 2	10	10	—	— till 1p.
28	30.38	30.33	34.7	35.3	32.1	43.7	1.7	2.2	1.68	1.64	83	79	N 1	Calm 0	5	9	—	Bright and mild.
29	30.30	30.26	34.7	33.2	29.5	39.5	1.6	1.6	1.70	1.56	84	82	NE 1	Calm 0	9	10	—	∞ a. * ⁰ ga. and 1p. Day cold.
Mean	29.942	29.952	35.9	35.6	31.5	42.0	1.1	1.3	1.91	1.87	87.9	87.1	0.7	1.0	7.7	7.7	0.615	—

SWANBISTER.—MARCH 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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°	35°	31°	42°	3°	1°	in.	in.	°/100	°/100	°	°	ins.	ins.	● showers a.		
2	30°42	30°17	37°	35°	31°	42°	3°	1°	1.105	1.174	75	85	NW 1	W 4	10	10		360	
3	29°93	29°06	42°	32°	31°	43°	1°	1°	2.38	1.45	87	79	NW 4	NNW 7	10	10	°10	● showers a.	
4	°98	°81	32°	36°	29°	43°	3°	2°	1.122	1.65	67	77	NNW 4	WNW 5	10	10	°10		
5	°79	°81	34°	33°	30°	37°	3°	2°	1.136	1.53	68	80	NNW 5	NNW 3	10	8	°10	△ ° p.	
6	°75	°52	36°	40°	31°	40°	2°	1°	1.167	2.27	78	90	WSW 1	W 3	9	9	°10		
7	°52	°55	43°	37°	35°	47°	2°	0°	2.30	2.08	83	94	SSW 6	NW 3	8	10	°110	660	
8	°40	°57	33°	35°	32°	37°	0°	4°	1.186	1.28	98	62	NE 1	ENE 1	10	10	°110		
9	29°31	29°03	35°	41°	30°	41°	3°	0°	1.179	2.58	87	97	ESE 6	E 1	10	10	°110	✱ a.	
10	28°86	28°85	43°	42°	38°	45°	0°	0°	2.279	2.66	98	99	Calm	NE 2	7	10	°110		✱ ° ga. ✱ ● (sleet).
11	29°08	29°33	40°	37°	36°	42°	0°	1°	2.41	2.00	96	91	E 5	ESE 6	10	10	°120	Lovely morning. ☁ later.	
12	°31	°40	35°	31°	31°	37°	1°	1°	1.192	1.43	91	80	ESE 7	E 5	10	10	°10		△ showers.
13	°53	°59	32°	31°	30°	37°	2°	3°	1.141	1.33	75	75	E 3	NNE 1	10	3	—		
14	°59	°45	35°	34°	28°	36°	2°	6°	1.154	1.39	75	68	E 3	SSE 7	9	10	—	△ ° showers.	
15	°38	°43	34°	32°	31°	34°	2°	5°	1.148	1.61	75	87	SE 9	ESE 8	10	10	—		Occasional △ ° showers.
16	°53	°65	30°	32°	29°	32°	1°	2°	1.125	1.44	73	74	ESE 7	ESE 5	10	8	—		
17	°77	29°83	31°	30°	29°	34°	2°	3°	1.131	1.04	73	60	ESE 4	SSE 3	9	8	—		
18	29°85	30°09	32°	34°	29°	39°	3°	2°	1.124	1.54	67	78	S 6	NNW 2	10	2	°60	△ ° showers ga. ✱ 10.30a.—1 p.	
19	30°31	°44	42°	34°	29°	44°	3°	1°	2.07	1.66	78	82	NW 1	NE 1	5	0	—		✱ noon.
20	°44	°31	39°	35°	34°	40°	3°	3°	1.181	1.46	77	69	SSE 3	SE 3	3	0	—		
21	°32	30°34	41°	33°	32°	43°	5°	1°	1.158	1.59	60	84	SSE 3	WSW 1	1	1	—	∞ ° p.	
22	30°18	29°94	37°	40°	29°	44°	2°	0°	1.185	2.16	81	93	SSW 1	NNW 2	9	10	°300		West sea roaring ga. ● from 2.30p.
23	29°83	°65	38°	33°	32°	40°	2°	3°	1.187	1.65	81	88	NNE 4	N 3	8	10	°120		
24	°46	°46	31°	34°	29°	37°	0°	5°	1.166	1.88	94	95	NNW 5	NNE 4	10	8	°400	✱ ● (sleet) showers.	
25	°49	29°41	35°	33°	32°	39°	0°	7°	0°	1.196	1.82	94	96	NNE 5	N 2	9	7		°130
26	29°93	28°94	32°	34°	27°	38°	0°	4°	1.176	1.46	96	72	N 3	NNE 3	10	3	°020	✱ showers a., 1½ ins. deep ga.	
27	°92	°92	34°	32°	31°	40°	1°	5°	0°	1.169	1.74	84	95	N 4	NNE 4	8	9		°200
28	28°74	28°79	31°	32°	26°	33°	0°	5°	1.166	1.64	94	88	N 3	WNW 1	9	10	°190	✱ showers a.	
29	29°02	29°15	38°	33°	27°	42°	3°	2°	1.175	1.54	75	80	N 1	NE 1	7	10	°140		✱ ● (sleet) ga.
30	°13	°23	34°	37°	32°	39°	0°	7°	1°	1.186	2.01	93	89	NNE 5	NNE 4	10	10	°600	
31	°33	°56	40°	36°	36°	40°	3°	3°	1.189	1.51	74	69	NNE 5	NNW 4	9	3	—		
Mean	29°76	29°95	39°	34°	33°	43°	3°	1°	1.183	1.63	74	81	N 5	NNW 2	5	9	°030		
Mean	29°579	29°585	36°4	35°1	31°3	40°2	2°1	1°8	1.177	1.171	81°3	82°5	3°9	3°3	8°5	7°7	3°290		

BRAEMAR.—MARCH 1888.

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.

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.	32.7	28.7	25.4	37.0	1.0	0.6	105	140	89	89	NE	0.5	NE	0.5	7	8	—	Fair a. ☉ and ✕ ☉ (sleet) p. Dull day. Dull day.
2	28.80	28.74	38.6	31.7	17.8	41.5	1.2	2.7	211	121	90	67	NW	6	NE	6	6	10	0.30	
3	80	75	27.0	30.0	26.7	39.5	0.3	1.0	137	140	94	83	NE	2	NW	2	9	8	0.10	
4	64	69	30.0	29.2	29.2	34.8	0.9	1.1	143	130	85	81	N	2	NE	2	7	7	0.10	
5	66	50	26.5	36.6	25.4	38.4	0.8	1.0	119	107	84	91	SW	0.5	SW	1	3	6	—	Fair and clear. ☉ all day. Soft and damp.
6	54	54	37.4	39.6	30.1	42.3	1.4	1.2	196	219	88	90	SW	2	SW	4	6	2	—	
7	25	28.33	43.2	33.7	33.6	44.5	2.7	0.8	223	178	80	91	SW	4	SW	2	9	8	770	
8	28.26	27.92	33.7	41.9	33.4	42.9	0.5	0.7	184	250	94	95	NE	0.5	S	1	10	10	130	Dull and soft. ☉ ☉ ☉ ⁰
9	27.73	27.66	40.9	40.8	38.5	49.0	1.2	1.0	230	233	91	92	SW	0.5	SW	0.5	6	8	160	
10	27.86	28.10	38.8	35.1	35.1	44.5	0.5	0.5	226	195	96	95	SW	0.5	NE	0.5	9	9	070	
11	28.00	08	32.9	28.5	27.4	41.0	0.5	0.8	177	134	94	86	NE	2	NE	4	10	8	180	☉ ☉ ☉ ⁺
12	22	35	25.5	25.9	25.5	37.6	0.8	0.5	112	124	82	88	NE	2	NE	0.5	10	10	020	
13	38	25	30.4	26.7	16.6	32.9	0.7	0.8	086	122	79	85	NE	0.5	SE	0.5	7	10	040	
14	12	12	27.5	26.7	26.4	31.3	0.8	0.5	126	129	85	89	SE	1	SE	6	9	10	380	☉ ☉ ☉ ⁺
15	18	31	26.1	23.7	23.7	27.7	0.4	0.5	129	110	91	86	NE	2	NE	2	10	10	100	
16	47	60	23.9	25.1	19.8	28.7	0.2	0.6	122	116	95	85	NE	2	NE	0.5	8	8	—	
17	28.67	28.84	11.4	28.7	2.4	33.4	0.7	0.5	056	143	77	91	NE	0.5	NW	0.5	5	8	—	
18	29.01	29.10	22.7	31.7	17.2	38.6	0.7	0.5	097	167	8e	94	NE	0.5	NE	0.5	2	4	—	
19	29.10	28.97	29.7	26.7	26.0	37.8	1.0	1.0	138	114	84	80	NE	2	NE	0.5	4	1	—	Fair and clear. Fair and clear. Fair and clear.
20	28.99	29.10	19.4	24.7	14.1	39.3	0.7	1.0	082	100	78	75	NE	0.5	NE	0.5	2	0	—	
21	98	28.76	34.7	41.6	15.4	46.8	1.2	1.1	178	239	88	92	NE	0.5	SW	0.5	3	8	160	
22	52	36	36.9	32.7	32.4	43.3	1.0	1.0	199	165	91	89	NE	0.5	NE	2	10	9	020	☉ ☉ ☉ ⁺
23	24	08	29.7	31.9	29.6	40.3	1.0	0.4	138	172	84	95	NE	2	NE	3	8	9	230	
24	28.08	28.13	32.7	32.4	29.4	36.3	1.0	1.1	165	160	89	87	NE	0.5	NE	2	10	10	120	
25	27.76	27.74	30.5	28.1	27.1	37.4	1.4	0.9	136	126	79	83	NE	0.5	NE	0.5	7	4	070	☉ ☉ ☉ ⁺
26	72	75	31.7	29.7	27.4	33.7	1.0	1.0	156	138	87	84	NE	1	NE	0.5	8	6	020	
27	64	74	27.9	18.7	17.9	32.9	1.0	1.2	122	065	80	64	NE	0.5	NE	0.5	6	0	—	
28	88	84	14.5	30.0	5.4	31.7	1.4	0.3	049	159	58	95	NE	0.5	NE	4	6	10	200	☉ showers all day. Clear and frosty. Fair a.
29	27.85	27.99	34.7	36.1	30.0	38.3	1.0	1.1	182	192	90	90	NE	2	NE	2	8	10	040	
30	28.10	28.38	35.4	34.7	34.4	37.6	1.7	2.8	175	149	84	73	NE	2	NE	2	8	7	—	
31	28.58	28.78	32.9	33.9	32.4	38.9	1.2	1.0	162	175	87	89	NE	2	NE	1	7	7	020	
Mean	28.361	28.372	30.0	31.1	25.0	38.1	1.0	0.9	149	155	85.6	86.2	1.4	1.7	7.1	7.3	2.780			

LAUDALE.—MARCH 1888.

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.

1	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
2	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
3	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
4	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
5	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
6	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
7	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
8	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
9	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
10	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
11	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
12	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
13	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
14	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
15	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
16	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
17	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
18	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
19	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
20	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
21	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
22	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
23	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
24	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
25	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
26	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
27	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
28	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
29	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
30	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
31	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.
Mean	30.51	30.38	33.5	34.0	28.7	44.2	1.6	1.5	160	166	83	84	Calm	0	Calm	0	6	0.20	Dull and calm all day.

DUNDEE.—MARCH 1888.

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.

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.	34.7	33.6	31.5	40.2	1.3	1.0	170	173	87	89	N	1	W	1	10	5	ins.	✱ showers at night.
2	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	NE	4	5	5	—	Fine day.
3	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	NW	1	10	10	0.010	✱ n. and till noon. [Dull, with showers.]
4	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	NW	2	10	10	—	Dull day.
5	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
6	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
7	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
8	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
9	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
10	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
11	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
12	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
13	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
14	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
15	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
16	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
17	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
18	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
19	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
20	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
21	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
22	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
23	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
24	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
25	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
26	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
27	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
28	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
29	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
30	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
31	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.
Mean	29.91	29.82	35.9	35.8	27.5	46.7	3.8	2.0	145	174	68	82	NW	1	W	2	5	10	—	Dull day.

WOLFELEE.—MARCH 1888.

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.

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.	33°	28°	28°	38°	0°	1°	182	110	94	72	NE	NE	—	* n. Cloudy a. Clear p.
2	29° 81	29° 69	33°	28°	28°	38°	0°	1°	129	184	100	90	NW	N	—	Clear and frosty a. Fine and blowy p.
3	29° 48	29° 31	33°	28°	28°	38°	0°	1°	137	153	78	92	N	NW	—	Cold and blowy a. Dull p.
4	29° 39	29° 39	31°	30°	24°	42°	1°	0°	137	153	78	92	N	NW	—	Dull a. Clear and cold p.
5	29° 21	29° 20	33°	30°	24°	35°	1°	1°	172	140	89	83	N	N	—	Clear and frosty a. Fine and blowy p.
6	29° 32	29° 16	33°	30°	24°	35°	1°	1°	172	140	89	83	N	N	—	Clear and frosty a. Fine and blowy p.
7	29° 22	29° 25	33°	30°	24°	35°	1°	1°	172	140	89	83	N	N	—	Clear and frosty a. Fine and blowy p.
8	29° 07	29° 01	41°	41°	37°	46°	1°	1°	235	235	88	92	W	WSW	—	Blow, with showers a. Stormy p.
9	28° 82	28° 60	44°	45°	39°	47°	1°	0°	237	277	93	96	SW	SW	—	Blow, with showers.
10	28° 46	28° 26	46°	46°	42°	48°	1°	0°	237	277	93	96	SW	SW	—	Cloudy a. Fine p.
11	28° 52	28° 50	44°	45°	41°	49°	1°	0°	235	235	88	92	W	WSW	—	Blow, with showers a. Stormy p.
12	28° 49	28° 55	37°	32°	27°	32°	1°	0°	154	131	87	86	NE	NE	—	Stormy a. * during day. Dull p.
13	28° 75	28° 56	31°	28°	26°	37°	1°	0°	154	131	87	86	NE	NE	—	Dull and cold a. * Blowy p.
14	28° 01	28° 01	28°	27°	26°	31°	0°	0°	164	147	100	100	E	E	—	Stormy, with * all day.
15	28° 63	28° 61	30°	30°	24°	33°	0°	0°	166	153	94	100	E	E	—	Stormy, with * all day.
16	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Cold and blowy a. * Dull p.
17	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Dull and cold a. Fine and clear p.
18	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Fine and clear a. Dull and cloudy p.
19	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Fine, but with cold wind.
20	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Fine p.
21	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Fine and clear a. Dull, with showers
22	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Dull, with showers.
23	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Dull and blowy a. * Dull p.
24	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	* n. Cloudy a. Fine p.
25	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Cloudy a. * p.
26	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Dull day. *
27	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	* n. * during day. Clear p.
28	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Blow, with * all day. * (sleet) p.
29	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Stormy, with *.
30	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Stormy, with *.
31	28° 63	28° 80	31°	28°	28°	33°	0°	0°	166	153	94	100	E	E	—	Stormy, with *.
Mean	28° 970	28° 972	34° 4	33° 2	27° 1	40° 7	1° 2	1° 1	177	169	87° 3	87° 0	—	—	—	3° 240

SCARBOROUGH.—MARCH 1888.

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.

1	30° 20	30° 11	33° 2	35° 6	31° 5	38° 0	0° 0	0° 6	189	196	100	95	NE	4	NE	3	7	7	—
2	29° 50	29° 51	35° 1	40° 1	31° 5	43° 0	1° 8	0° 9	170	229	82	93	NW	4	NW	4	3	9	△ showers.
3	29° 78	29° 78	33° 4	36° 6	31° 5	41° 0	0° 1	0° 6	188	172	99	93	NW	4	W	4	7	9	△ showers.
4	29° 59	29° 59	36° 1	34° 4	28° 0	38° 0	0° 3	0° 0	206	180	97	91	NW	5	NW	6	2	9	Fine a. △ showers in afternoon.
5	29° 52	29° 52	33° 9	36° 0	31° 5	40° 0	0° 0	1° 3	195	186	100	88	NW	3	NW	3	9	6	Fair.
6	29° 69	29° 69	40° 9	40° 7	34° 0	47° 1	1° 8	0° 6	218	240	86	95	W	3	SW	3	0	0	Brilliant and mild.
7	29° 65	29° 65	41° 0	45° 0	37° 3	47° 9	1° 3	1° 1	238	273	90	91	SW	4	W	7	9	10	☞ (gale).
8	29° 44	29° 44	46° 0	49° 6	43° 3	53° 3	0° 8	1° 0	292	329	94	93	SW	2	SW	6	10	10	Dull and warm. Brighter p.
9	29° 02	29° 02	49° 8	48° 4	47° 3	55° 8	1° 3	1° 4	324	306	91	90	SW	4	SW	5	4	10	Bright and warm. △ showers.
10	28° 94	28° 94	46° 7	44° 2	44° 0	53° 5	0° 0	0° 0	331	303	100	100	E	5	E	11	10	10	Dull, with a. a. Bright afternoon.
11	28° 96	28° 96	38° 3	33° 7	33° 3	43° 3	0° 0	0° 0	363	367	99	100	NE	7	NE	4	10	10	760 a. ☞ * △ showers.
12	29° 14	29° 14	30° 9	30° 0	29° 5	33° 8	0° 1	0° 3	465	465	99	95	E	2	SE	2	9	10	△ showers.
13	29° 52	29° 52	30° 1	30° 0	28° 5	32° 6	0° 0	0° 0	474	495	100	100	SE	6	SE	4	10	10	Fair, but with cold wind.
14	29° 18	29° 18	31° 0	33° 9	29° 0	33° 9	0° 0	0° 0	474	495	100	100	SE	6	SE	4	10	10	Very stormy, with *.
15	29° 07	29° 07	33° 8	35° 3	32° 0	35° 5	0° 1	0° 3	192	199	99	97	NE	5	NE	3	10	10	Stormy, with *.
16	29° 35	29° 35	29° 6	29° 6	28° 0	35° 3	0° 3	0° 1	155	161	95	99	NE	7	NE	8	7	10	Fierce * storm.
17	29° 70	29° 70	31° 2	31° 6	28° 7	38° 3	0° 0	0° 4	461	468	86	95	NE	6	NE	5	10	8	Fine day.
18	30° 08	30° 08	32° 8	34° 8	30° 5	34° 8	0° 3	2° 6	480	453	97	75	NE	4	NE	4	8	9	Fine day.
19	29° 12	29° 12	31° 9	34° 0	30° 0	35° 0	0° 4	1° 0	171	175	95	89	NE	7	NE	6	9	9	Stormy, with *.
20	29° 01	29° 01	30° 09	36° 4	37° 2	33° 5	3° 5	0° 9	152	204	71	92	NE	3	NE	3	5	9	Brilliant.
21	30° 19	30° 19	40° 0	33° 6	32° 5	42° 3	0° 9	1° 1	228	170	93	88	N	4	N	2	2	0	Dull, with ●.
22	29° 68	29° 68	38° 6	40° 2	32° 5	44° 6	0° 3	0° 3	228	242	97	97	SW	4	NE	2	10	9	—
23	29° 21	29° 21	37° 6	35° 5	33° 5	40° 3	0° 7	0° 0	211	189	94	92	NE	5	NW	1	5	9	—
24	29° 28	29° 28	37° 6	35° 5	33° 5	40° 3	1° 6	2° 4	178	162	85	78	SW	2	NE	2	2	9	☞ Fair.
25	29° 24	29° 24	35° 6	35° 4	28° 5	42° 7	1° 6	2° 2	180	188	86	97	SW	3	SW	1	5	8	Brilliant.
26	28° 83	28° 83	35° 5	33° 6	32° 0	40° 3	1° 6	0° 4	151	152	70	83	S	3	NW	1	2	1	—
27	28° 82	28° 82	36° 9	32° 4	27° 5	39° 5	3° 8	1° 4	151	152	70	83	S	3	NW	1	2	1	☞ Fair.
28	28° 78	28° 78	34° 6	33° 1	27° 4	42° 7	2° 1	1° 0	162	168	79	89	SW	3	NW	1	2	1	Brilliant.
29	28° 85	28° 85	34° 0	40° 2	29° 0	40° 2	0° 0	0° 3	196	242	100	97	NE	5	SE	1	10	8	Stormy, with *.
30	28° 77	28° 77	40° 7	38° 4	37° 0	41° 7	0° 8	0° 3	237	226	93	98	NE	2	NE	2	10	10	—
31	29° 00	29° 00	35° 6	37° 2	34° 5	39° 3	0° 1	0° 3	206	216	99	97	NE	3	NE	2	10	10	—
32	29° 54	29° 54	41° 7	37° 7	35° 0	41° 8	1° 8	0° 6	226	214	86	95	N	6	NW	4	6	8	—
Mean	29° 424	29° 423	36° 6	36° 6	32° 7	41° 1	0° 9	0° 8	202	204	92° 2	92° 7	4° 1	—	—	3° 6	7° 9	7° 9	2° 910

CRONKBORNE (DOUGLAS), ISLE OF MAN.—MARCH 1888.

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.

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.	30° 29	30° 23	36° 0	31° 8	31° 8	40° 2	0° 7	0° 8	in.	in.	%	%	E	2	N	1	8	2	ins.	Fine day.
2	30° 05	29° 84	38° 9	42° 0	26° 7	42° 5	2° 2	0° 5	195	256	83	96	NW	4	NNW	6	8	2	030	Dull, with squally	● p.	
3	29° 06	29° 06	36° 0	35° 0	34° 2	42° 0	2° 8	0° 5	168	164	77	80	NNE	3	N	1	3	10	—	Fine day.		
4	29° 06	29° 06	36° 0	35° 0	34° 2	42° 0	0° 8	0° 5	246	203	94	95	NW	4	N	2	4	4	010	—		
5	29° 06	29° 06	36° 0	35° 0	34° 2	42° 0	1° 9	0° 6	216	261	85	96	WSW	1	WNW	4	3	3	—	—		
6	29° 06	29° 06	36° 0	35° 0	34° 2	42° 0	1° 7	0° 4	257	303	87	98	WNW	3	WNW	3	7	3	013	● showers p.		
7	29° 06	29° 06	36° 0	35° 0	34° 2	42° 0	0° 9	0° 8	266	280	93	94	WSW	4-5	SW	6	9	10	128	● showers a. and at night.		
8	29° 35	29° 17	46° 4	46° 4	44° 0	47° 0	0° 4	0° 5	306	394	97	96	SW	4	SW	6-7	10	10	323	● a. Squally. ● showers p.		
9	28° 06	28° 74	48° 6	48° 6	45° 0	48° 6	1° 0	0° 9	317	312	93	94	SW	6-7	W	9	6	10	250	Squally 2 at night.		
10	29° 07	29° 10	46° 8	43° 2	42° 8	40° 8	2° 3	0° 2	266	275	84	98	NW	4-5	S	2	3	10	243	Fine during day. 2 at night. [● p.		
11	28° 78	28° 94	48° 0	35° 0	35° 0	43° 8	1° 0	0° 2	245	200	92	98	ENE	6	ENE	5	10	10	1138	Squally a. 2 all day. ● *		
12	29° 23	29° 39	33° 7	38° 0	32° 4	36° 4	0° 0	1° 0	176	174	90	89	ENE	4-5	E	5-6	10	10	002	* a. Dull, with * showers. Squally		
13	29° 44	29° 22	32° 0	31° 8	31° 6	34° 4	0° 2	0° 1	177	178	97	99	SE	7-8	ESE	7-8	10	10	106	Squally a. and p. * from 5p.		
14	28° 97	28° 98	33° 0	37° 0	31° 5	39° 0	0° 0	0° 4	188	212	100	96	E	5-6	ENE	3	10	10	380	Squally * a. Overcast.		
15	28° 06	29° 12	34° 2	32° 6	32° 6	38° 8	0° 1	0° 4	198	177	99	95	E	5-6	NE	5-6	10	10	190	Squally * a.		
16	29° 47	29° 69	32° 8	30° 0	30° 0	38° 9	0° 2	0° 0	183	167	98	100	ENE	5-6	NNE	4	7	3	—	Squally * a. Overcast. ● p.		
17	29° 87	30° 04	35° 0	31° 7	25° 4	38° 0	1° 0	1° 7	184	140	90	78	N	2	NNE	1	2	3	—	Fine day.		
18	30° 18	29° 27	36° 2	32° 8	29° 4	38° 7	0° 7	2° 8	201	131	94	70	NE	3-4	NE	3	3	0	—	Fine day.		
19	29° 21	29° 14	35° 8	32° 0	31° 8	38° 0	2° 4	1° 0	166	157	79	87	ENE	5	ENE	4	3	3	—	Squally a. Very fine.		
20	29° 05	29° 22	39° 0	36° 2	30° 7	42° 0	3° 6	2° 4	171	170	73	70	NE	5	NE	4-5	1	0	—	Squally a. Very fine.		
21	30° 27	30° 09	44° 6	42° 0	29° 7	49° 6	4° 2	2° 0	208	225	70	85	SE	2	NW	3	3	10	074	— a. Very fine.		
22	29° 70	29° 45	48° 2	40° 0	40° 0	48° 8	0° 4	0° 4	227	239	93	97	W	3	NNE	4	10	10	050	● a. Overcast.		
23	29° 33	29° 24	38° 4	32° 9	32° 9	42° 0	3° 1	1° 7	174	152	75	81	NE	3	Calm	0	6	2	—	Fine day. * 6.15p.		
24	29° 22	29° 24	38° 4	32° 8	25° 5	42° 0	3° 9	1° 6	162	153	70	82	SW	3	Calm	0	3	0	—	* a. Very fine.		
25	28° 98	28° 80	35° 1	32° 0	30° 6	40° 6	0° 3	0° 2	199	177	97	97	WNW	3	NW	1	10	10	062	~ (mist) a. * showers.		
26	28° 86	28° 89	39° 8	32° 0	27° 0	40° 4	3° 3	0° 9	183	160	75	88	N	1	NW	1	7	6	001	Fine day. Δ 10.15p.		
27	28° 78	28° 75	35° 8	36° 2	30° 2	41° 0	1° 9	0° 8	175	199	83	93	WNW	3	SSE	5-6	8	10	092	Δ a. Fine day. Squally * p.		
28	28° 61	28° 53	33° 4	40° 0	33° 4	40° 0	0° 0	0° 4	191	239	100	97	E	6-8	NE	4	10	10	290	* (mist) a. Squally ● p.		
29	28° 78	28° 95	43° 8	41° 2	39° 4	50° 0	2° 4	0° 4	234	251	81	97	E	2	NW	2	7	10	130	Fine day.		
30	29° 17	29° 44	42° 0	41° 0	36° 8	46° 7	1° 8	2° 3	229	211	86	83	N	5	NNE	1	10	10	003	Overcast.		
31	29° 69	29° 85	45° 0	35° 5	35° 2	47° 3	6° 2	2° 2	178	163	59	79	NE	2	NE	2	2	2	—	Very fine. ☉ 9p.		
Mean	29° 466	29° 463	39° 4	37° 2	33° 6	43° 1	1° 7	1° 0	212	206	86° 9	90° 5	3° 9		3° 5	6° 5	6° 5	3° 5	514			

HILLINGTON.—MARCH 1888.

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.

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.	30° 1	26° 8	26° 0	38° 3	2° 2	0° 1	ins.	ins.	%	%	E 2	NE 0.5	0	0	ins.	Very fine and sunny. Fine sunset.
2	30° 35	29° 21	33° 5	34° 9	21° 4	41° 2	1° 8	1° 2	155	179	82	88	NW 2	NW 2	10	10	0	— ga. Fine sunset. [— 9p.
3	29° 84	29° 79	33° 6	31° 8	30° 9	38° 0	1° 8	1° 2	156	152	81	84	NW 3	N 1	10	9	0	0.12 a. Δ 0 * 0 p.
4	75	78	32° 6	32° 7	29° 2	41° 4	1° 8	1° 2	147	160	80	87	NNW 5	NW 3	7	9	0	* 0 1.30p. * 2 2.15p. — 2.45p.
5	89	93	33° 0	28° 9	28° 8	41° 5	2° 4	1° 2	140	125	74	80	NW 4	SW 1	10	0	0	—
6	85	92	38° 1	38° 0	27° 8	45° 6	1° 3	1° 2	204	204	88	89	W 2	W 1	5	0	0	—
7	87	79	42° 5	43° 9	34° 7	48° 3	1° 7	3° 0	236	224	87	77	SW 4	W 3	4	10	0	0
8	65	49	46° 7	48° 3	40° 5	51° 3	1° 0	1° 5	295	301	93	90	SW 5	SW 4	10	10	0	163 Overcast all day. ● 2 noon.
9	28	14	51° 3	49° 0	47° 4	54° 0	1° 6	2° 3	336	290	89	84	SW 5	SW 5	10	2	0	0.40 Overcast all day. ● 2 5p. 3
10	29° 10	29° 31	49° 2	43° 1	43° 1	55° 4	3° 4	1° 4	269	247	77	89	W 5	NW 1	8	4	0	343 Much cir. p.
11	28° 94	28° 63	42° 6	38° 6	38° 6	47° 4	0° 6	0° 1	260	232	95	99	SE 0.5	S 3	10	10	0	470 * 2 a. and from 5p. Blustering.
12	29° 12	29° 36	33° 2	31° 7	30° 0	39° 3	0° 4	1° 7	181	141	96	78	N 1	NE 4	10	10	0	0.17 * 2 early a. ● 0 and * 0 (sleet).
13	58	52	31° 0	30° 5	29° 0	33° 2	2° 8	2° 7	111	102	64	64	E 2	SE 5	10	10	0	0.86 Overcast, with * 0 (sleet)
14	19	14	32° 9	36° 0	27° 2	44° 1	0° 4	0° 2	179	208	96	98	SE 5	SE 1	10	4	0	0.45 / * + before ga. ● 6p. [showers.
15	10	18	36° 6	32° 6	30° 9	48° 4	0° 0	0° 1	217	183	100	99	SE 2	NE 1	10	0	0	0.82
16	29	50	31° 1	30° 9	28° 1	34° 0	0° 5	1° 0	161	148	93	85	NE 3	N 4	10	5	0	0.50 Frequent storms of * and *.
17	29° 63	29° 94	31° 7	30° 9	29° 8	33° 3	2° 2	1° 9	130	128	73	73	NE 5	N 5	10	10	0	0.30 * a. [sleet).
18	30° 11	30° 14	30° 0	31° 9	29° 2	35° 2	2° 0	2° 1	116	69	64	64	NE 5	NE 6	10	9	0	— * a. (gale) at night.
19	30° 03	29° 90	30° 9	31° 9	28° 2	34° 4	3° 2	1° 3	102	151	80	83	NE 7	NE 7	8	10	0	0.18 Bitterly cold, with /.
20	29° 90	30° 97	33° 0	33° 7	30° 6	35° 3	1° 3	2° 0	160	154	86	80	NE 6	NE 5	10	5	0	0.05 * 0 a. and p.
21	30° 16	30° 11	30° 5	32° 1	29° 5	43° 3	2° 4	2° 4	196	151	81	71	NE 3	NE 1	5	10	0	0.23 Very fine and sunny. Overcast from 7p.
22	29° 87	29° 53	34° 7	44° 1	27° 7	44° 5	1° 0	0° 5	181	277	90	96	S 0.5	SW 1	10	10	0	2.68 ● and * ● (sleet) showers,
23	27	21	35° 1	35° 9	33° 9	44° 6	0° 3	1° 1	198	188	97	90	NE 2	NE 1	10	9	0	0.07 * a.
24	29° 31	29° 27	38° 5	35° 8	28° 5	45° 5	2° 8	0° 3	181	206	78	98	NW 1	NE 1	4	10	0	1.55 U * p.
25	28° 99	28° 92	32° 9	34° 8	32° 3	38° 6	0° 2	0° 3	183	196	88	97	NE 0.5	SW 0.5	10	10	0	0.60 * a. ● 0 9p. * 10p.
26	90	98	33° 7	36° 2	25° 7	38° 4	0° 1	0° 6	191	201	99	94	SE 0.5	S 0.5	10	10	0	0.42 * till 100., 3 ins. deep.
27	94	94	36° 9	32° 3	29° 4	44° 4	3° 0	1° 3	164	156	75	85	SW 3	SW 1	0	0	0	0.70 Very fine and sunny a.
28	79	74	33° 7	42° 1	29° 9	48° 5	0° 3	1° 1	187	244	96	91	E 6	SE 2	9	8	0	0.64
29	28° 83	28° 91	41° 6	39° 4	35° 7	49° 5	1° 2	0° 7	236	227	91	95	SE 1	E 1	10	10	0	0.50
30	29° 08	29° 36	37° 0	38° 0	36° 1	46° 2	0° 2	0° 4	216	221	98	96	W 2	NE 1	10	10	0	0.22 ~~~~ (mist) ga. Very foggy 11a.—1p.
31	29° 61	29° 81	39° 9	34° 4	34° 4	46° 7	1° 4	0° 0	218	199	89	100	NNE 2	NNE 1	10	0	0	—
Mean	29° 488	29° 497	36° 4	35° 9	31° 4	42° 9	1° 5	1° 2	188	188	85° 2	87° 2	3° 1	2° 4	8° 4	6° 9	2° 644	

CHURCHSTOKE.—MARCH 1888.

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.

1	29° 74	29° 74	27° 5	25° 9	25° 3	33° 5	0° 5	0° 0	134	140	90	100	NE 4	NW 1	10	9	—	* before ga. Boisterous.
2	64	40	29° 9	36° 9	17° 6	42° 7	2° 0	1° 2	115	195	69	90	NE 2	NW 2	8	10	0	—
3	47	53	33° 3	27° 4	26° 3	37° 9	2° 4	0° 4	142	136	75	92	N 2	N 2	10	2	—	Cloudy day.
4	38	40	34° 8	33° 7	23° 8	41° 1	2° 7	1° 8	151	157	74	81	W 2	NW 1	10	5	—	Cloudy and cool.
5	45	41	38° 8	34° 1	29° 4	46° 6	3° 0	1° 2	179	172	77	87	NW 1	NW 1	4	4	—	Fine and bright.
6	45	50	43° 8	41° 6	32° 8	49° 3	2° 7	1° 7	228	227	79	87	W 3	W 3	8	8	—	Bright and breezy.
7	42	29	44° 8	43° 6	36° 0	50° 9	2° 1	1° 9	249	240	84	85	W 2	NW 4	8	4	—	Fine, but with gusty.
8	29° 08	28° 88	48° 0	47° 9	42° 1	56° 3	1° 1	1° 0	307	308	92	93	W 2	SW 5	8	10	0	—
9	28° 73	28° 58	51° 8	46° 8	46° 0	53° 3	3° 4	1° 9	298	275	77	86	SW 6	SW 5	8	6	0	—
10	72	56	45° 8	45° 0	43° 0	51° 5	1° 9	2° 1	264	252	86	84	W 3	SW 2	10	10	0	—
11	44	50	43° 8	35° 9	35° 0	46° 1	1° 8	1° 0	245	190	86	91	SE 3	SE 3	10	10	0	—
12	28° 76	28° 76	32° 1	30° 4	29° 4	36° 4	0° 7	0° 5	166	155	91	92	N 2	NE 2	10	10	0	—
13	29° 04	29° 04	30° 8	28° 2	33° 5	41° 0	0° 3	1° 3	139	165	84	96	ESE 2	E 8	10	5	0	—
14	28° 57	28° 57	38° 0	33° 9	29° 8	45° 4	1° 1	1° 0	207	174	90	89	S 2	E 1	6	0	0	—
15	56	28° 70	36° 1	32° 1	31° 0	47° 5	1° 2	0° 7	188	166	89	91	SSW 2	SE 1	10	2	—	* (sleet).
16	28° 93	29° 17	31° 9	28° 1	27° 5	34° 8	1° 0	0° 2	157	148	87	96	NE 1	NE 5	8	10	—	Bitter.
17	29° 36	29° 36	31° 9	30° 9	27° 3	34° 5	1° 0	1° 0	157	148	87	85	N 2	N 3	9	8	—	Cloudy, with cold wind.
18	71	73	32° 9	27° 0	27° 0	36° 0	2° 0	1° 0	115	78	79	79	NW 4	NW 2	9	6	—	Cloudy.
19	63	54	29° 9	29° 9	27° 0	34° 0	1° 0	0° 8	139	145	84	87	NE 4	NE 5	9	10	—	Very cold, with bitter wind.
20	51	68	34° 9	34° 1	29° 0	41° 2	3° 0	2° 4	148	150	72	76	N 4	NNW 2	9	5	—	Very cold.
21	78	68	40° 3	30° 1	28° 8	49° 3	4° 6	2° 2	165	136	66	81	NNW 3	NW 1	0	0	0	—
22	29° 38	29° 01	44° 8	45° 4	28° 4	49° 1	1° 9	2° 5	253	247	85	82	W 2	W 2	8	10	0	—
23	28° 85	28° 81	35° 3	32° 1	30° 5	46° 1	1° 4	1° 2	179	154	87	85	NW 2	NW 2	10	10	0	—
24	82	72	35° 7	35° 9	22° 3	43° 5	3° 8	2° 0	142	173	67	83	W 1	SE 1	6	10	0	—
25	58	41	32° 9	28° 9	27° 7	37° 8	1° 0	0° 8	166	136	80	86	NW 1	W 1	10	8	0	—
26	43	50	33° 9	29° 9	27° 8	46° 7	1° 7	1° 2	160	135	82	81	NW 1	NW 1	9	8	—	* (4 ins. deep). Bright a.
27	45	40	37° 1	31° 9	21° 8	44° 2	4° 2	0° 8	146	161	66	89	SW 2	SE 2	6	6	0	—
28	90	13	36° 9	30° 8	28° 9	43° 3	1° 0	1° 9	199	207	91	85	SE 5	SSE 2	10	10	0	—
29	20	28° 43	40° 3	37° 3	36° 8	48° 1	2° 2	1° 2	205	197	83	90	E 3	SW 1	10	5	0	—
30	28° 62	29° 00	37° 7	38° 4	35° 1	46° 6	1° 0	1° 7	206	199	91	86	NW 1	W 2	10	10	0	—
31	29° 25	29° 42	39° 8	34° 1	33° 4	44° 1	2° 9	1° 4	188	168	77	85	NNW 2	NW 1	10	2	—	Dull and cloudy.
Mean	29° 021	29° 031	37° 2	34° 8	30° 2	43° 4	2° 0	1° 2	186	180	81° 8	87° 1	2° 5	2° 4	8° 5	6° 9	2° 528	Dull and mild.

CARMARTHEN.—MARCH 1888.

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.

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.				
	ins.	ins.						in.	in.	°/100	°/100					ins.				
1	30°·08	30°·09	29°·5	28°·9	27°·5	36°·0	1°·8	1°·8	·116	·111	72	70	NE 4	NE 2	10	0	ins.	Dull and cold a. Fine p.		
2	30°·04	29°·82	30°·1	38°·4	23°·7	43°·8	4°·4	2°·5	·136	·189	64	82	Calm	0	SW 2	0	3	°020	Fine, but with cold wind.	
3	29°·83	·90	40°·5	31°·9	31°·5	45°·5	3°·3	0°·1	·187	·178	75	98	E 2	N 1	9	0	0	—	Fine, but cold.	
4	·81	·79	35°·9	34°·9	27°·0	40°·5	3°·7	1°·1	·145	·181	69	89	N 2	N 2	10	8	°010	—	Fine, but cold.	
5	·86	·81	39°·9	39°·3	31°·1	48°·3	2°·2	0°·8	·202	·224	83	94	NW 1	Calm	0	3	10	—	—	
6	·87	·91	45°·3	36°·9	36°·2	53°·2	2°·8	0°·6	·240	·208	80	95	W 1	Calm	0	8	0	—	Fine day.	
7	·83	·69	46°·0	42°·9	35°·8	49°·6	1°·3	0°·6	·280	·263	91	95	SW 3	SW 4	9	10	°370	—	Fair a. ☀ ⁰ p.	
8	·44	·22	47°·0	46°·3	42°·2	47°·4	0°·2	0°·2	·318	·309	99	99	SW 3	SW 6	10	10	°570	☁ ga. Dull, with frequent	☀ showers.	
9	·14	·02	42°·0	47°·0	45°·5	49°·1	0°·6	0°·7	·309	·305	96	95	SW 2	SW 7	10	10	°140	Squally n. and p.	—	
10	29°·15	29°·19	47°·3	45°·0	44°·5	53°·4	0°·7	0°·3	·308	·293	95	98	W 3	SW 2	10	10	°430	Dull day.	—	
11	28°·40	28°·95	43°·4	40°·6	36°·9	46°·5	0°·5	3°·8	·270	·181	66	71	N 1	W 6	10	5	°490	Squally n. and during day.	—	
12	29°·11	29°·25	42°·1	33°·7	33°·0	46°·9	3°·1	1°·9	·205	·156	77	86	NW 3	N 4	6	3	—	Fine day.	—	
13	29°·31	29°·00	33°·5	38°·9	30°·4	39°·0	1°·7	0°·6	·157	·225	82	95	E 2	E 2	10	10	°430	Dull, with ☀ ⁰ .	☀ from sp.	
14	28°·97	28°·89	40°·1	38°·1	36°·4	43°·5	2°·1	0°·6	·206	·218	83	95	SW 2	Calm	0	10	°250	Dull a. Fine p.	—	
15	28°·03	29°·06	45°·4	31°·7	31°·3	48°·0	4°·0	0°·4	·218	·170	72	95	SW 3	Calm	0	6	0	°010	☀ before ga. ☀ ⁰ showers.	—
16	29°·27	·56	36°·6	31°·2	28°·4	42°·0	1°·8	2°·0	·182	·129	84	73	E 2	NE 4	6	4	—	Cold and windy.	—	
17	29°·76	29°·93	39°·2	31°·5	29°·5	40°·5	6°·9	2°·6	·124	·120	53	68	N 2	Calm	0	7	0	—	Fine, but cold.	—
18	30°·05	30°·10	35°·1	31°·9	25°·7	40°·4	3°·5	3°·5	·141	·109	68	61	NE 4	NE 4	6	0	—	Cold and windy.	—	
19	30°·00	29°·89	33°·3	31°·4	28°·3	38°·1	2°·9	1°·1	·134	·150	70	86	NE 5	NE 1	6	7	—	Cold and windy.	—	
20	29°·87	30°·02	40°·7	35°·6	29°·5	45°·7	5°·4	2°·8	·156	·157	62	74	NE 4	NE 4	1	0	—	Cold and windy.	—	
21	30°·15	30°·07	45°·3	34°·3	31°·5	52°·6	7°·4	1°·5	·162	·168	54	84	NE 4	N 1	0	7	°040	Fine and warmer.	—	
22	29°·78	29°·39	39°·5	43°·4	33°·0	47°·1	0°·8	0°·5	·226	·270	94	96	SE 1	Calm	0	10	10	°190	☀ all day.	—
23	·21	·18	42°·3	34°·7	34°·2	47°·3	2°·6	2°·1	·216	·160	81	79	NW 1	N 2	9	7	—	Fine day.	—	
24	29°·18	29°·05	36°·1	34°·9	25°·5	43°·0	4°·1	0°·9	·149	·185	66	91	E 1	NE 2	7	10	°110	Dull, with ☀ ⁰ .	—	
25	28°·97	28°·79	38°·4	31°·5	30°·7	42°·3	1°·6	1°·4	·200	·145	87	82	S 1	W 1	10	8	°320	☀ ² noon and sp.	—	
26	·84	·87	45°·9	31°·3	30°·5	44°·0	3°·6	1°·1	·213	·149	74	85	N 1	NW 1	6	3	—	Fine day.	—	
27	·84	·72	42°·3	36°·1	25°·2	47°·0	5°·5	1°·5	·107	·181	63	86	SW 1	S 2	1	7	°300	Fine day.	—	
28	·29	·38	44°·4	41°·4	31°·5	49°·4	1°·7	1°·7	·255	·225	87	87	SE 6	SE 1	8	10	°030	Squally, with ☀ ⁰ early a. Frequent	☀ showers.	
29	28°·60	28°·85	45°·4	40°·9	38°·5	51°·1	5°·7	1°·2	·224	·231	74	91	NE 4	N 3	8	4	°040	Fair.	—	
30	29°·08	29°·38	41°·1	41°·9	37°·4	47°·0	1°·1	1°·2	·234	·240	91	91	N 1	N 2	10	10	°040	Fair, but with cold wind.	—	
31	29°·60	29°·72	43°·2	39°·9	39°·3	47°·4	3°·2	3°·2	·214	·184	77	75	NE 2	N 2	9	9	—	Dull all day.	—	
Mean	29°·395	29°·402	40°·8	37°·0	32°·6	45°·7	2°·8	1°·4	·203	·194	78°·0	85°·8	2°·3	2°·2	7°·3	2°·6	3°·799			

SOUTHAMPTON.—MARCH 1888.

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.

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.	27°6	28°2	23°1	36°6	1°4	0°7	109	133	73	86	ENE 4	NE 2°5	10	0	ins.	✱ ⁰ 8a.—9a. Beautiful day, but cold.
2	30°21	29°93	28°8	32°3	23°8	45°7	0°0	0°6	159	171	100	93	N 1°5	NW 2	10	10	—	✱ ⁰ a. Beautiful day from 9a. [un.]
3	29°93	30°02	36°0	31°0	31°0	42°4	2°5	1°8	167	131	78	74	N 2	NNW 1	10	0	—	Beautiful day from 10a.
4	29°92	29°88	32°6	34°9	26°6	41°0	1°2	1°5	160	173	86	85	W 1	NW 3	10	10	—	✱ ⁰ a. Fine and pleasant.
5	30°00	29°99	32°8	35°8	28°7	47°9	1°0	1°5	166	183	88	87	SW 1	SW 1	10	10	0°019	✱ ⁰ a. Beautiful day.
6	29°98	30°07	42°1	41°2	35°1	50°8	1°0	1°5	246	227	92	89	WNW 2	WNW 3	2	0	—	Beautiful day.
7	30°07	29°98	38°7	44°6	33°3	47°5	0°6	2°6	223	237	95	80	WSW 2	SW 3°5	10	10	0°080	Fine from 3p.
8	29°76	29°63	45°4	46°4	42°4	47°7	0°5	0°4	293	306	97	97	SW 5°5	SW 6	10	10	0°530	✱ ⁰ a. and p.
9	29°45	29°32	47°5	47°0	46°1	49°2	0°3	1°0	321	298	97	93	SW 4°5	SW 4	10	10	0°130	✱ ⁰ in past n. ✱ ⁰ till 4p.
10	29°34	29°42	48°6	47°2	46°0	55°4	1°3	1°0	310	300	91	93	SW 4	SW 3	10	10	0°464	Fine and mild. ✱ ⁰ shower 1p. [un.]
11	28°86	28°10	45°8	42°3	40°1	48°4	2°6	3°3	250	204	81	76	SW 8	NW 6	10	10	0°133	Squally ✱ ⁰ till 8p. [un.]
12	29°24	29°38	45°6	35°8	35°3	53°1	3°9	1°3	223	187	73	89	NW 4	NE 2	8	0	—	Beautiful day throughout.
13	29°55	29°39	36°3	36°8	30°3	39°6	2°4	0°6	170	206	79	95	E 2°5	SE 6	10	10	0°326	✱ ⁰ and ✱ ⁰ (sleet) p. ✱ ⁰ 2p.
14	29°20	29°17	44°1	40°6	36°2	52°2	0°8	0°9	271	234	93	93	SW 2	SW 2	10	1	0°150	✱ ⁰ Sa. Beautiful day. [un.]
15	29°15	29°18	45°4	40°8	38°5	52°1	3°6	1°8	226	217	75	86	SW 2	SE 1°5	2	10	0°079	Beautiful day. (sleet) 7p.
16	29°36	29°55	36°8	31°8	31°3	42°6	0°6	1°8	206	139	95	77	NE 5	N 5	10	10	—	Fine, but with cold wind. ✱ ⁰ 6p.
17	29°74	29°96	32°8	32°7	30°2	38°6	2°2	2°5	141	136	76	73	N 5	NE 5°5	10	10	—	✱ ⁰ a. Very cold wind all day. ✱ ⁰ p.
18	30°08	30°11	32°2	30°0	29°6	35°4	2°2	2°6	135	104	74	62	NE 4°5	NE 5	10	1	—	✱ ⁰ a. Fine, but with very cold.
19	29°99	29°90	30°2	32°4	29°1	35°9	3°0	1°7	099	147	59	80	NE 6	N 6	10	10	0°128	✱ ⁰ Sa. Fine, but with very cold.
20	29°91	30°04	33°6	33°5	30°4	35°8	1°0	1°8	172	156	80	81	NE 3	NNE 4	10	10	—	✱ ⁰ n. ✱ ⁰ (sleet) a. and p.
21	30°15	30°17	39°7	35°8	31°2	48°7	2°9	2°0	189	174	77	83	NE 5	NE 0°5	2	0	—	Beautiful day, but with cold wind.
22	29°97	29°64	34°8	42°8	28°5	48°8	1°6	0°2	170	270	84	99	SW 1°5	SW 2	10	10	0°100	✱ ⁰ early a. ✱ ⁰ 9a. ✱ ⁰ p. [un.]
23	29°27	29°26	43°8	38°3	38°0	45°0	0°3	1°1	279	209	98	91	N 3	N 2	10	10	—	✱ ⁰ a. and p.
24	29°33	29°18	39°5	35°0	34°3	44°5	1°4	0°3	214	188	89	97	ESE 2°5	ESE 3	10	10	0°270	Fine and dry till 5p. ✱ ⁰ (sleet) p.
25	29°10	28°96	37°7	36°2	34°4	46°6	1°5	0°9	197	197	87	92	W 4	NW 3	10	10	0°385	Beautiful day till 4p. ✱ ⁰ 2p. ✱ ⁰ 7p.
26	29°00	29°09	41°1	40°7	32°2	45°9	0°9	0°9	238	235	93	92	WSW 3°5	WSW 1°5	10	10	0°210	✱ ⁰ n. ✱ ⁰ Sa. ✱ ⁰ a. and p.
27	29°00	29°08	36°8	34°0	32°4	41°5	1°0	0°5	199	186	92	95	SE 1	SE 2	10	10	0°160	✱ ⁰ and ✱ ⁰ (sleet) p.
28	28°64	28°07	43°4	42°1	33°5	50°5	1°6	1°4	247	238	87	80	SE 4	SE 3°5	10	3	0°046	✱ ⁰ a. and p.
29	28°72	28°90	46°0	40°7	39°9	46°6	3°0	0°8	244	237	79	93	SE 5	N 2	6	10	0°138	Beautiful a., with ✱ ⁰ p.
30	29°29	29°44	44°3	40°3	35°2	48°2	2°0	1°4	247	221	84	89	NW 3	NW 2°5	8	10	0°130	Beautiful a. p.
31	29°60	29°85	42°3	40°1	38°9	48°2	1°8	0°9	232	229	87	93	NNW 2	N 1	10	10	0°025	✱ ⁰ from 3.30p.
Mean	29°545	29°556	39°1	37°8	33°7	45°6	1°6	1°3	210	203	85°4	87°2	5°3	5°1	9°0	7°6	3°445	

BABBACOMBE.—MARCH 1888.

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.

1	29°89	29°92	30°0	30°5	27°3	32°4	2°0	1°9	116	124	69	73	E 4	ENE 4	10	1	—	✱ ⁰ 10a. and 1p. Dull 11a.—8p.
2	29°89	29°72	33°8	34°9	25°4	45°4	2°9	1°7	139	170	71	83	NE 2	NNW 2	2	2	—	✱ ⁰ a. and p. ✱ ⁰ (mist) a. Fine day.
3	29°67	29°80	39°4	35°1	34°2	42°1	1°2	3°1	217	147	91	71	NNW 2	NE 1	10	9	—	Dull till 2p. ✱ ⁰ (mist) a.
4	29°72	29°71	33°9	36°8	30°3	40°5	2°9	2°3	140	174	72	81	NNW 1	WNW 1	10	10	—	✱ ⁰ (mist) a. and p. Dull at times.
5	29°76	29°76	43°6	40°2	32°3	46°5	3°6	1°4	210	220	74	89	W 1	W 3	1	10	0.060	✱ ⁰ till 9a. ✱ ⁰ (mist) p.
6	29°86	29°86	42°9	40°1	38°2	52°5	1°9	1°3	235	224	85	90	WNW 2	W 3	9	0	—	✱ ⁰ p.
7	29°81	29°68	45°6	45°0	34°3	51°2	1°4	2°0	273	254	90	85	WSW 4	SW 5	9	10	0.260	✱ ⁰ showers a. [un.]
8	29°45	29°33	47°0	47°9	44°1	51°3	0°1	0°0	321	334	99	100	SW 6	WSW 6	10	10	0.540	✱ ⁰ (gale) a. and late p. ✱ ⁰ showers.
9	29°16	29°06	49°3	47°9	47°5	50°3	0°2	1°0	346	308	99	93	WSW 6	WSW 7	10	6	0.120	Dull, with squally ✱ ⁰ showers.
10	29°11	29°17	48°5	46°5	46°3	52°0	1°3	0°6	308	302	91	96	WSW 5	SW 4	10	10	0.670	✱ ⁰ showers. Squally.
11	28°49	28°96	41°8	39°8	39°0	47°8	1°6	1°9	231	207	88	85	WSW 10	W 5	10	2	0.340	✱ ⁰ early a. Squally ✱ ⁰ 2a.—8p.
12	29°04	29°11	43°1	39°9	36°2	48°5	2°7	1°7	222	212	79	87	W 4	ENE 3	4	5	0.040	✱ ⁰ showers till 4p. [un.] (Dull till 3p.)
13	29°24	29°02	36°1	44°9	33°8	44°9	0°6	0°9	200	277	95	93	E 4	SW 5	10	2	0.230	✱ ⁰ showers. Scotch ✱ ⁰ p.
14	28°93	28°90	45°1	39°5	39°3	51°7	3°3	0°8	239	225	77	94	WSW 3	SW 2	3	1	0.130	✱ ⁰ (mist) ✱ ⁰ showers p. ✱ ⁰ 2 p.
15	28°90	28°95	44°9	36°0	34°4	47°7	4°0	0°9	214	194	72	92	SW 3	NNW 1	1	7	0.010	✱ ⁰ 2 showers early a. ✱ ⁰ a. and p.
16	29°07	29°37	35°8	32°2	32°2	39°7	0°8	3°0	194	120	93	66	NE 3	N 4	9	10	—	✱ ⁰ a. ✱ ⁰ (mist) till 8p. ✱ ⁰ p.
17	29°57	29°76	34°1	34°7	28°6	38°9	4°0	3°8	124	133	63	67	NNE 4	NNE 4	4	9	—	✱ ⁰ (mist).
18	29°86	29°88	32°1	32°2	30°3	34°9	3°0	3°3	119	115	66	63	NE 4	NE 6	9	1	—	Dull till 5p. Squally p.
19	29°75	29°70	32°5	32°4	29°4	36°0	3°6	3°0	113	122	62	67	NE 5	NNE 5	6	10	—	Squally a. ⊕ and 3 parhelia 4p.
20	29°68	29°82	35°3	36°0	31°5	37°1	2°7	2°1	156	172	75	81	NE 4	NNE 4	10	10	—	✱ ⁰ showers. Dull and gloomy, with Fine day. ✱ ⁰ p. [un.] (mist) p.
21	29°66	29°94	39°9	40°2	32°3	49°5	3°9	4°1	174	173	70	69	NE 5	NNW 3	0	0	—	✱ ⁰ showers. Scotch ✱ ⁰ p.
22	29°73	29°36	44°0	45°0	32°3	46°9	3°9	0°1	208	297	72	99	WSW 3	SSW 3	10	10	0.080	✱ ⁰ a. and p. ✱ ⁰ (mist) p.
23	29°05	29°05	41°1	37°2	37°2	46°3	2°6	1°1	205	200	80	90	NNW 3	NNE 1	9	9	0.010	✱ ⁰ showers p. ✱ ⁰ p.
24	29°06	28°90	38°2	33°3	32°6	40°7	1°2	0°0	207	190	90	100	E 3	N 1	9	10	0.440	✱ ⁰ showers p. ✱ ⁰ p.
25	28°92	28°98	39°8	32°4	32°1	45°4	2°6	0°5	191	172	80	95	W 2	WSW 3	3	4	0.340	✱ ⁰ (mist) a. ✱ ⁰ p. ✱ ⁰ p.
26	29°75	29°78	42°5	34°9	32°0	45°0	2°2	0°3	225	196	84	97	WSW 4	NNE 2	9	10	0.210	Squally ✱ ⁰ (gale) ✱ ⁰ early a. ✱ ⁰ 2
27	29°77	29°70	36°1	34°8	32°4	39°7	1°3	1°1	187	180	88	89	NE 1	SSE 2	10	8	0.340	✱ ⁰ (mist) a. ✱ ⁰ showers. ⊕ and p.
28	29°55	29°50	45°0	41°8	34°4	49°2	1°9	1°6	256	231	86	88	SSE 5	S 6	10	9	0.460	Squally ✱ ⁰ (gale) a. ✱ ⁰ p. ✱ ⁰ p.
29	29°36	28°75	38°8	39°1	37°8	42°1	0°4	0°3	228	232	97	97	ESE 4	NW 1	10	9	0.280	Dull, with ✱ ⁰ showers. ✱ ⁰ (mist) p.
30	28°99	29°28	46°7	41°7	38°3	47°8	3°9	2°0	232	232	74	85	WNW 3	NW 2	8	7	0.010	✱ ⁰ showers till 2p.
31	29°46	29°59	45°4	40°0	37°3	49°0	3°0	1°1	237	225	79	91	NW 2	NE 3	7	10	0.110	Squally, with ✱ ⁰ showers p.
Mean	29°295	29°318	40°4	38°5	34°6	44°9	2°3	1°6	208	205	81°0	85°7	3°6	3°3	7°5	6°8	4°680	

MARKREE CASTLE, SLIGO.—MARCH 1888.

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.

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.	35°3	28°6	27°5	40°3	2°2	0°9	ins.	ins.	79	84	10	2	ins.	☁ in past n. and p.
2	30°31	30°26	35°3	28°6	27°5	40°3	2°2	0°9	135	164	131	79	10	2	ins.	☁ in past n. and p.
3	30°02	30°04	37°0	30°1	33°9	42°6	2°7	3°2	170	155	77	72	10	10	0.04	Overcast all day.
4	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	224	171	88	96	10	3	—	☁ in past n. and p.
5	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
6	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
7	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
8	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
9	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
10	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
11	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
12	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
13	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
14	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
15	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
16	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
17	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
18	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
19	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
20	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
21	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
22	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
23	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
24	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
25	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
26	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
27	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
28	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
29	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
30	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
31	29°02	29°02	40°7	31°5	30°1	44°7	1°4	0°3	197	218	92	96	10	10	0.05	☁ in past n. and p.
Mean	29°493	29°495	38°7	30°6	30°9	44°2	1°9	1°0	202	200	83°5	90°1	1°6	1°4	8°8	3°740

DUBLIN (PHOENIX PARK).—MARCH 1888.

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.

1	30°22	30°20	35°3	34°3	32°0	36°4	3°0	2°0	151	159	73	80	ENE 4	ENE 2	7	4	0.05	☁ a. Dull and cloudy.
2	30°13	30°9	31°1	38°3	25°3	41°0	2°1	1°2	126	207	71	90	BNE 2	W 2	7	8	0.05	Dull a. Cloudy p.
3	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	Dull, with ☁ showers.
4	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	Dull a. Cloudy p.
5	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
6	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
7	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
8	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
9	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
10	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
11	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
12	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
13	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
14	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
15	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
16	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
17	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
18	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
19	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
20	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
21	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
22	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
23	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
24	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
25	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
26	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
27	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
28	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
29	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
30	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
31	29°03	30°00	37°4	33°6	32°5	39°3	1°6	2°4	192	146	86	76	NNE 3	W 2	10	10	0.05	☁ in past n. and p.
Mean	29°458	29°466	38°1	37°3	32°2	44°6	1°7	1°6	198	193	84°4	84°7	2°4	2°2	7°7	6°0	3°930	

PARSONSTOWN (BIRR CASTLE).—MARCH 1888.

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.

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.	34°6	32°6	30°6	37°5	3°3	1°6	ins.	ins.	79	82	ENE 2	Calm 0	10	10	ins.	☼ ⁰ in past n. and p.
2	30°14	29°07	26°8	38°8	21°1	41°0	0°3	2°5	136	188	94	80	Calm 0	W 1	8	10	0°14	☼ ² n. ∞ a.
3	29°05	30°00	37°4	35°0	34°6	41°4	2°5	2°2	177	160	79	79	N 2	NE 1	7	10	—	Bright a.
4	29°05	29°09	36°4	33°9	31°6	43°3	1°9	0°9	180	177	84	90	Calm 0	Calm 0	10	9	0°10	☼ ⁰ ga. and 10a. ☼ ⁰ showers later.
5	28°85	28°85	38°3	36°6	26°4	48°9	0°6	0°7	219	203	95	94	Calm 0	S 1	10	10	0°14	∞ early a. Mild, with ☼ ⁰ showers.
6	28°01	28°09	44°7	43°8	34°8	52°1	1°9	1°4	253	255	86	89	WSW 1	SW 2	4	7	—	Bright, with gusty wind, [☼ ⁰ showers.
7	28°01	28°50	46°9	47°6	35°9	54°4	2°9	1°3	254	298	80	91	SSW 3	S 3	9	10	0°21	Squally.
8	29°24	29°00	51°6	49°1	46°5	56°2	2°4	0°9	320	326	83	93	S 3	S 3	8	10	0°20	Gusty a. ☼ ⁰ p.
9	28°81	28°05	52°3	45°5	44°6	52°6	3°7	1°5	298	270	76	89	SSW 3	WSW 3	10	10	0°16	☼ ⁰ (mist) ga. Squally (force 6)
10	29°09	29°10	45°8	43°0	39°9	55°7	1°6	1°0	272	255	89	92	Calm 0	Calm 0	10	10	0°82	Squally, with ☼ ⁰ showers. [☼ ⁰ p.
11	28°86	28°05	36°5	38°7	35°7	43°7	0°7	2°7	202	184	94	79	NW 4	W 3	10	10	0°30	Squally, with ☼ ² a. ☼ ⁰ ga. and 9p.
12	29°15	29°25	37°3	36°3	32°8	42°3	1°4	2°9	195	177	88	83	Calm 0	E 2	10	10	—	∞ a. [from 6p.
13	29°20	28°08	36°7	37°0	32°8	38°6	2°4	0°2	173	216	80	98	ESE 3	Calm 0	10	10	0°11	Squally, with ∞ a. ☼ ⁰ ga.—1p.
14	28°07	28°08	35°5	37°8	33°6	47°6	0°7	0°7	195	212	94	94	Calm 0	Calm 0	10	10	0°28	∞ a. Bright till 3p. ☼ ⁰ sp. ☼ ⁰
15	28°85	29°18	34°3	34°7	31°8	42°7	0°4	1°8	190	166	96	82	Calm 0	NE 3	10	10	0°22	☼ ⁰ n. ☼ ⁰ 4.30p. Gusty p.
16	29°48	29°05	33°7	30°9	30°6	37°0	2°8	2°8	139	110	72	64	NNE 2	Calm 0	9	0	—	Cold, with fresh wind. ☼ ⁰ p.
17	29°56	29°07	30°7	36°9	22°6	45°6	1°8	0°8	120	203	74	93	Calm 0	Calm 0	10	6	0°12	∞ a. and p. Calm and cool.
18	30°13	30°21	38°6	31°6	26°6	41°7	2°6	0°7	185	161	79	91	Calm 0	Calm 0	2	0	—	∞ a. ∞ till 8a. Bright till 2p.
19	29°19	29°10	32°5	30°5	21°3	42°1	2°4	0°7	135	151	73	90	Calm 0	NW 1	1	10	—	☼ ² a. Cold and bright.
20	29°11	29°23	33°9	33°3	20°8	43°6	2°9	1°3	139	164	72	86	NNE 2	Calm 0	0	1	0°16	☼ ² a. Cold and bright.
21	30°31	30°14	33°2	42°9	21°9	49°5	2°1	0°9	147	256	78	93	Calm 0	Calm 0	0	10	0°16	☼ ² ☼ ⁰ (mist) before ga. Day bright
22	29°72	29°59	48°4	39°5	38°8	53°5	0°5	0°6	328	230	96	95	Calm 0	NW 1	1	10	0°38	☼ ⁰ n. and till 1p. [☼ ⁰ p.
23	29°34	29°31	40°7	30°7	30°0	43°6	1°7	1°5	218	135	86	78	NNW 1	NNW 1	1	10	0°94	∞ a. ☼ ⁰ ☼ ⁰ sp.
24	29°20	29°16	33°1	31°6	27°4	42°5	1°3	0°7	162	161	85	91	Calm 0	Calm 0	10	1	0°30	☼ ⁰ in past n. ∞ a. and p. ☼ ⁰ 11p.
25	29°07	28°79	31°9	32°6	24°4	42°9	0°4	0°7	172	171	95	92	Calm 0	Calm 0	10	2	0°09	☼ ² ☼ ⁰ till 10a. ☼ ⁰ 3.30p.
26	28°00	28°05	27°9	31°4	22°8	42°2	0°7	0°5	130	105	86	93	Calm 0	Calm 0	10	3	—	☼ ² ☼ ⁰ a. Bright and cold. ☼ ⁰ 3p
27	28°03	28°50	34°8	36°9	25°7	42°5	1°2	1°5	178	191	89	88	WSW 1	S 4	9	10	0°12	☼ ⁰ a. Cold and squally. Large ☼ ⁰ 9p
28	28°34	28°46	34°7	37°3	28°8	41°8	0°3	0°4	196	215	97	97	E 3	NNE 1	10	10	0°40	Squally a. ☼ ⁰ 7a.—10a., then ☼ ⁰
29	28°75	29°07	34°8	38°2	31°7	38°7	0°7	1°3	188	204	93	89	NNW 2	NW 3	10	10	0°16	☼ ² before ga. Day cold and gloomy.
30	29°31	29°48	41°5	35°8	34°8	49°2	2°4	0°9	213	195	82	93	NW 2	Calm 0	8	10	0°12	☼ ⁰ ☼ ⁰ showers.
31	29°71	29°85	38°7	34°7	33°3	48°5	1°5	0°9	206	184	88	92	NNE 1	Calm 0	9	0	—	∞ a. and till p. Day bright and calm.
Mean	29°455	29°456	37°6	36°9	30°8	45°3	1°7	1°2	196	198	84°9	88°4	1°1	1°1	8°2	7°4	3°104	

DUNROBIN CASTLE.—APRIL 1888.

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.

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.	41°	43°	30°	50°	2°	2°	in.	in.	%	%	NW	E	—	—	ins.	Mild a. Cold p.
2	29°88	29°88	40°	43°	34°	44°	4°	3°	167	140	66	68	N	N	—	—	130	Clear a. Dull and cold p.
3	29°05	29°88	37°	37°	33°	41°	3°	2°	161	170	74	76	NE	NW	—	—	—	—
4	29°77	29°00	40°	35°	35°	42°	4°	1°	173	182	69	87	NE	N	—	—	—	Dull a. Clear p.
5	30°17	35	41°	38°	30°	45°	3°	1°	186	197	72	85	NW	NE	—	—	—	—
6	39	34	40°	39°	34°	49°	3°	3°	196	184	77	77	NW	NW	—	—	—	Fine, clear, and mild.
7	35	33	44°	40°	37°	46°	2°	2°	248	194	84	78	NW	NW	—	—	—	Fine and mild. Dull p.
8	30	33	41°	32°	32°	42°	5°	1°	167	150	64	80	SE	N	—	—	—	Cold a. Fine and clear p.
9	31	30°05	41°	43°	29°	47°	3°	1°	185	248	72	87	S	NW	—	—	—	Clear and cold.
10	30°01	29°82	46°	46°	35°	49°	3°	1°	242	282	78	90	SW	W	—	—	340	showers a. Fine p.
11	29°73	74	40°	39°	38°	48°	2°	3°	209	168	82	72	NW	NW	—	—	—	—
12	75	36	40°	41°	31°	44°	3°	1°	187	232	74	88	SW	NW	—	—	230	Clear and cold.
13	37	60	48°	44°	40°	53°	4°	3°	232	222	69	76	NW	NW	—	—	090	Clear a. showers.
14	65	80	43°	46°	41°	50°	1°	1°	257	285	91	92	E	NW	—	—	130	—
15	75	68	47°	44°	42°	50°	2°	0°	274	280	83	95	E	E	—	—	340	Dull. p.
16	60	64	49°	45°	43°	53°	3°	2°	276	260	79	85	SW	SE	—	—	070	Fine and clear.
17	50	40	47°	46°	43°	49°	2°	2°	269	267	83	85	SE	E	—	—	080	Fine, but cool fresh breeze, showers [p]
18	39	44	47°	47°	37°	49°	3°	1°	274	295	83	92	S	NE	—	—	—	Mild. Fine p.
19	54	29°71	45°	43°	41°	47°	1°	1°	266	255	89	89	SW	NE	—	—	190	Dull day.
20	29°92	30°06	40°	36°	36°	43°	2°	2°	202	169	79	77	E	E	—	—	—	Dull a.
21	30°05	02	43°	34°	34°	45°	7°	2°	154	155	54	76	NE	NE	—	—	—	Dull, with cold wind.
22	05	08	41°	39°	30°	44°	3°	4°	203	167	78	70	E	SE	—	—	—	Cold wind. Clear p.
23	34	21	42°	40°	37°	44°	4°	4°	180	175	67	70	E	E	—	—	—	Cold wind.
24	30	33	43°	40°	35°	44°	4°	2°	200	196	71	78	E	SE	—	—	—	Cold wind. Clear p.
25	34	30°34	41°	38°	38°	44°	4°	2°	175	184	67	80	E	N	—	—	—	Cold wind.
26	30°32	29°93	46°	45°	28°	54°	4°	1°	212	258	68	86	SE	NE	—	—	190	Cold wind a. Milder p.
27	29°72	75	49°	42°	42°	53°	5°	1°	238	232	68	85	NW	NW	—	—	110	Cold wind a.
28	62	25	43°	50°	38°	54°	1°	4°	257	254	91	70	SW	SE	—	—	—	Dull a.
29	23	46	48°	43°	42°	52°	5°	4°	225	199	67	71	W	NW	—	—	—	Milder p.
30	29°43	29°37	46°	45°	42°	51°	3°	3°	237	250	75	80	SW	E	—	—	060	Fine and mild.
Mean	29°863	29°860	43°	41°	36°	47°	3°	2°	215	216	75	80	—	—	—	—	1°960	

BRAEMAR.—APRIL 1888.

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.

1	28°74	28°64	34°4	40°6	28°8	41°7	0°7	2°0	*185	*212	93	84	NE	2	NW	2	8	9	—
2	°59	°79	33°7	39°7	29°4	41°5	2°0	1°0	*155	*138	80	84	N	2	NE	2	8	2	*030 Cold, with ✕ showers.
3	°78	°63	32°4	32°7	28°9	40°6	0°4	1°0	*176	*165	96	89	N	2	NW	2	8	9	*010 Cold, with ✕ showers.
4	°58	°78	32°7	32°5	31°4	40°7	1°2	1°4	*161	*155	87	84	NE	2	NE	2	6	6	*010 Cold, with ✕ showers.
5	28°94	28°97	30°9	30°5	28°4	41°7	1°4	0°6	*140	*192	80	94	NE	0°5	NE	0°5	3	7	*030 Cold, with ✕ showers.
6	29°01	29°05	36°6	33°7	30°1	46°3	4°9	2°7	*133	*141	61	73	NE	0°5	NE	0°5	3	1	— Fine and clear.
7	28°99	28°95	39°1	35°7	28°6	44°5	2°5	1°7	*191	*178	80	84	NE	0°5	NE	0°5	7	8	—
8	°93	°86	33°5	31°7	26°4	45°5	3°8	2°0	*122	*134	63	75	NE	1	NE	0°5	4	0	— Fair and clear.
9	°82	°79	38°6	39°4	23°6	42°5	6°9	2°0	*120	*203	52	84	N	0°5	NE	0°5	5	10	*050 Fair and clear a. Dull p.
10	°81	°64	41°6	41°6	36°4	47°7	4°0	1°4	*186	*233	72	89	NW	0°5	NW	0°5	7	10	*130 Fair and clear a. Damp p.
11	°52	°53	35°7	34°9	34°4	44°5	1°8	2°9	*176	*149	83	73	NW	1	NW	4	7	4	*070 Squally, with ✕ showers.
12	°52	°25	37°4	36°6	33°6	44°2	3°5	1°8	*160	*183	71	84	NW	1	SW	6	6	8	*120 Fair a. ● showers p.
13	°05	°41	42°6	41°4	36°4	49°7	3°1	2°8	*210	*205	78	79	SW	4	SW	0°5	8	6	*010 Fair a. ● showers p.
14	°45	°59	48°5	41°6	38°3	54°3	4°0	2°1	*249	*220	73	84	SW	4	SW	0°5	7	4	— Fine day.
15	°55	°47	42°1	44°8	32°6	49°5	1°6	2°1	*234	*249	88	84	SW	0°5	SW	2	8	10	*150 Dull and damp.
16	°43	°45	46°5	44°9	37°2	51°5	4°0	3°2	*230	*228	73	77	SW	2	SW	1	7	6	*050 Fine day.
17	°32	°24	43°9	42°6	42°3	48°8	2°1	1°5	*241	*240	84	88	SW	1	SW	0°5	9	8	*150 ● showers.
18	°21	°26	44°6	40°6	40°5	52°7	2°1	2°0	*248	*212	84	84	SW	0°5	SW	0°5	8	4	— Fine day.
19	°31	°39	38°6	41°6	30°1	48°5	1°2	2°0	*211	*222	90	85	SW	0°5	E	0°5	7	9	*100 T. a. ● showers p.
20	°57	°73	37°4	33°2	32°5	44°3	1°0	2°3	*204	*143	91	76	NE	4	E	2	8	9	*030 Cold, with ✕ showers.
21	°75	°72	33°7	31°3	31°3	40°2	1°0	0°6	*174	*162	89	92	NE	4	NE	1	4	1	*020 Cold, with ✕ showers.
22	°75	28°85	33°7	34°7	27°7	35°9	1°0	0°8	*174	*186	89	92	NE	1	NE	0°5	10	10	*270 ✕ and ✕ (sleet).
23	28°90	29°00	36°6	32°7	32°7	38°1	1°0	0°2	*197	*183	91	98	NE	2	SW	1	10	9	*040 ✕ and ● (sleet).
24	29°00	°06	36°4	34°7	30°6	45°5	1°8	1°0	*182	*182	84	90	NE	2	NE	1	2	2	— Fair and clear, but cold.
25	29°05	29°06	35°7	33°7	33°4	42°5	1°2	2°0	*187	*154	89	80	NE	2	NE	1	7	5	— Fair and clear, but cold.
26	28°95	28°75	44°6	42°6	24°4	51°5	5°1	1°7	*192	*236	65	86	NE	0°5	SW	2	4	7	— Fair and clear, but cold.
27	°52	°59	46°8	40°8	40°3	49°8	1°0	3°5	*295	*189	93	73	W	1	NW	1	7	4	— Fair and clear, but cold.
28	°51	°12	40°9	46°5	38°3	51°5	1°9	3°6	*216	*237	85	75	SW	1	SW	8	9	7	— (gale) from 32.
29	°06	°28	43°7	40°6	40°3	48°3	4°2	3°0	*200	*194	70	77	SW	4	SW	2	4	7	— Fine day.
30	28°25	28°19	44°4	44°2	36°9	47°9	4°7	1°5	*207	*257	67	89	SW	4	SW	1	7	8	*090 Fine a. Dull p.
Mean	28°628	28°635	38°9	37°9	32°9	45°7	2°5	1°9	*192	*193	80°0	83°5	—	1°7	1°6	6°6	6°3	1°350	—

LAUDALE.—APRIL 1888.

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.

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.	37°	44°	30°	47°	1°	1°	in.	in.	79	89	Calm	W	1	10	10	ins.	☼ ⁰ (mist) ☼ ⁰ .	
2	29°88	30°05	42°	35°	34°	46°	3°	2°	207	160	78	79	N	E	1	3	2	—	Cold ☼ ✕ showers. ☼ all night.	
3	30°07	29°50	37°	29°	28°	42°	2°	2°	184	190	83	81	N	N	2	10	10	0°00	Cold all day. ☼☼☼ (mist).	
4	29°83	30°02	39°	39°	36°	46°	2°	2°	190	202	77	84	E	1	Calm	0	10	9	0°10	✕ showers a. ☼☼☼ (mist) p. Warm evening.
5	30°17	22	38°	41°	29°	46°	2°	2°	184	215	80	84	Calm	0	N	1	1	8	—	☼☼☼ (mist) p.
6	27	28	41°	41°	30°	48°	2°	1°	222	228	85	88	Calm	0	N	1	2	3	—	☼ a. Fine all day. Warm.
7	24	28	44°	45°	35°	50°	1°	1°	250	264	86	89	Calm	0	Calm	0	9	10	—	☼☼☼ (mist) p.
8	22	26	44°	43°	41°	48°	2°	1°	241	233	82	88	E	2	Calm	0	9	10	—	Fine day. ☼☼☼ (mist) op.
9	27	30°10	46°	44°	37°	49°	2°	2°	250	240	81	83	N	2	NNW	3	4	2	0°10	Large meteor, "like ball of fire," towards E. 9°45 p.
10	30°06	29°87	42°	45°	39°	47°	1°	0°	245	285	92	95	Calm	0	Calm	0	10	10	2°00	☼☼☼ (mist).
11	29°83	28	48°	40°	36°	48°	3°	2°	263	207	79	84	N	5	N	2	8	10	2°50	☼ ² ✕ ² ☼ ² (sleet) showers. ☼☼☼
12	27	41	42°	45°	34°	47°	2°	2°	215	262	82	86	SE	1	WNW	4	10	10	4°00	☼☼☼ showers. ☼☼☼ (mist) p. ☼☼☼ (mist) p.
13	45	61	45°	44°	43°	48°	1°	2°	271	237	90	80	W	3	Calm	0	10	10	1°30	☼☼☼ (mist) a.
14	64	74	51°	50°	43°	56°	2°	3°	311	279	83	76	W	3	SE	2	7	9	0°20	☼☼☼ (mist) a. ☼ op.
15	68	60	50°	47°	40°	60°	3°	1°	271	284	76	89	E	3	S	1	10	10	1°80	☼☼☼ (mist) p.
16	59	55	45°	50°	44°	52°	1°	3°	262	266	88	77	S	2	SW	4	10	9	3°00	☼☼☼ (mist) ☼ ² showers.
17	38	34	47°	47°	46°	54°	2°	3°	271	247	84	75	SE	4	WSW	2	10	7	1°10	☼☼☼ (mist) a. ☼☼☼ showers.
18	35	38	47°	46°	44°	53°	3°	2°	249	254	77	80	S	2	SW	1	8	10	0°10	☼☼☼ (mist) a. Fine through day.
19	48	58	48°	43°	40°	53°	3°	1°	268	258	78	92	Calm	0	Calm	0	5	10	3°20	T in SE. 2p. and 5.30 p. ☼ ² op.
20	77	94	44°	38°	38°	45°	2°	2°	228	182	78	78	E	4	SE	3	10	4	—	☼ op.
21	97	29°95	42°	34°	30°	45°	4°	2°	195	153	71	75	ENE	5	Calm	0	6	1	—	☼ all day. very cold.
22	29°93	30°00	41°	42°	30°	47°	4°	2°	187	215	72	78	E	2	E	2	4	10	—	
23	30°05	24	44°	40°	40°	47°	3°	3°	200	195	72	77	E	5	E	1	8	6	—	
24	20	22	44°	42°	34°	53°	5°	4°	185	191	63	70	E	5	E	3	0	1	—	☼ all day. Large ☼ op.
25	28	30	46°	41°	37°	51°	4°	4°	214	186	69	71	E	2	E	1	6	0	—	Fine all day.
26	30°28	30°08	45°	45°	30°	51°	3°	1°	227	276	75	90	Calm	0	W	3	4	10	6°50	☼☼☼ (mist) p. Strong squalls op.
27	29°84	29°88	44°	45°	44°	50°	2°	2°	271	248	80	83	WNW	5	W	2	7	9	4°70	☼☼☼ (mist).
28	60	41	47°	48°	43°	49°	1°	2°	287	291	80	84	S	2	W	6	10	10	0°30	☼☼☼ (mist) ☼☼☼ showers.
29	31	43	48°	44°	43°	48°	4°	2°	233	231	69	79	SE	4	W	2	7	10	0°60	☼☼☼ showers p. ☼☼☼ (mist).
30	29°40	29°26	44°	47°	41°	51°	3°	3°	231	257	78	79	ESE	2	S	2	7	10	5°60	☼☼☼ (mist) ☼ ² p.
Mean	29°854	29°843	44°	43°	38°	49°	2°	2°	234	234	79°	82°	2°	2°	1°	7°	7°	7°	4°130	

GLASGOW.—APRIL 1888.

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.

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.	39.9	42.9	30.8	40.3	5.3	1.8	152	237	62	86	W 4	W 2	10	4	—	Fine day.
2	29.88	29.72	39.9	42.9	30.8	40.3	5.3	1.8	152	237	62	86	WNW 3	NE 1	4	1	—	Dull and cloudy.
3	29.84	29.78	37.3	37.8	30.8	42.7	5.4	3.5	131	168	59	75	W 1	W 1	6	8	0.015	Fine day.
4	29.86	29.71	37.3	37.8	30.8	42.7	5.4	3.5	131	168	59	75	NW 1	NNE 1	7	10	—	Fine day.
5	29.81	29.84	39.9	38.6	32.2	44.7	4.3	2.4	167	188	68	81	WNW 1	WSW 1	2	10	—	Dull and cloudy.
6	29.98	30.04	39.8	41.3	31.7	40.6	4.7	3.9	160	185	65	71	ESE 1	SSW 1	10	5	—	Dull and cloudy.
7	30.09	30.09	35.3	40.8	33.4	40.2	1.1	2.6	184	203	90	80	SSW 1	NE 1	9	10	—	Dull and cloudy.
8	30.05	30.00	41.3	40.3	31.9	49.9	3.2	1.9	196	212	76	85	ENE 1	SSW 1	8	2	—	Fine day.
9	29.99	29.92	39.3	35.0	33.9	46.3	4.9	1.6	153	172	64	84	SW 1	SW 1	8	10	0.010	Cloudy. Overcast, with later.
10	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Dull and overcast.
11	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Squally Cloudy and overcast.
12	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Fine p.
13	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Gloomy and overcast, with showers.
14	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Fine day.
15	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with showers.
16	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Dull and cloudy, with showers.
17	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Dull and overcast. Squally
18	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
19	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
20	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Fine and sunny.
21	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Fine and sunny.
22	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
23	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
24	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
25	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
26	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
27	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
28	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
29	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Cloudy, with squally
30	29.87	29.84	37.6	41.5	28.9	50.3	5.6	1.1	130	238	58	92	SE 1	SSW 1	6	10	0.090	Gloomy and overcast, with showers.
Mean	29.677	29.674	43.3	41.8	37.1	49.2	3.6	2.3	210	220	74.1	82.2	1.6	1.3	8.1	7.0	2.010	

WOLFELEE.—APRIL 1888.

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.

1	29.39	29.27	35.5	41.0	23.0	44.0	1.5	2.0	179	215	86	84	SW	W	—	—	—	Fine day.
2	29.17	29.30	39.5	32.0	33.0	46.5	4.5	0.5	160	170	66	93	NNE	NE	—	—	0.30	Fine and clear a. ✱ p.
3	29.36	29.24	35.0	35.0	27.0	43.5	3.0	3.5	148	141	72	69	NW	NW	—	—	0.30	Dull day.
4	29.12	29.34	36.0	30.5	24.5	43.0	2.5	0.5	167	157	78	92	NE	NE	—	—	0.40	✱ n. and during day.
5	29.49	29.52	34.5	34.0	24.5	44.0	2.5	2.5	152	147	75	75	NE	NE	—	—	—	✱ n. and during day.
6	29.62	29.64	39.0	29.0	28.5	44.5	2.5	0.5	190	145	81	91	SE	E	—	—	—	Fine and clear p.
7	29.58	29.52	40.0	30.0	23.0	48.8	3.5	0.5	181	153	73	92	SW	E	—	—	—	Fine and clear.
8	29.50	29.44	37.0	29.5	23.0	46.5	5.0	1.5	134	123	61	76	SE	E	—	—	—	Fine and clear.
9	29.38	29.38	34.5	36.0	21.5	47.2	3.0	1.5	143	184	71	87	NE	E	—	—	0.50	Dull day. 0.0 p.
10	29.43	29.27	37.5	42.0	32.0	46.5	1.2	2.5	201	216	90	82	W	W	—	—	0.40	Dull, with 0.0.
11	29.12	29.15	44.8	37.0	35.0	47.2	3.8	0.5	216	210	73	96	NW	NW	—	—	—	Dull and blowy a. Fine and clear p.
12	29.11	29.05	41.2	37.5	29.0	52.0	1.2	1.0	233	205	91	92	NW	NW	—	—	0.60	Fine and clear a. Dull, with 0.0.
13	28.84	29.04	44.6	42.0	36.0	50.2	2.1	3.5	248	199	84	75	WNW	W	—	—	—	Blowly a. Dull p.
14	29.11	29.20	50.0	40.0	39.5	53.0	3.5	1.5	276	217	77	88	W	W	—	—	0.30	Fine and mild.
15	29.11	29.03	53.5	47.0	32.0	59.0	4.0	1.5	305	287	74	90	S	S	—	—	0.50	Fine, but blowy a. Dull and blowy p.
16	29.09	29.09	45.5	42.0	31.5	59.0	2.5	2.0	248	225	82	85	SW	W	—	—	0.80	Dull a. Fine and mild p.
17	28.87	28.83	46.0	45.0	39.0	57.0	1.0	1.5	287	264	93	89	SW	SW	—	—	2.10	0.0 a. and p.
18	28.81	28.79	46.5	46.0	41.0	56.0	2.5	1.5	259	276	82	90	SW	SW	—	—	2.30	Fine a.
19	28.85	28.91	47.5	44.0	41.0	55.0	3.0	0.5	259	277	80	96	SE	E	—	—	1.10	0.0 showers all day.
20	29.00	29.20	42.0	35.5	39.0	53.2	1.0	1.0	245	189	92	91	NE	NE	—	—	0.40	Stormy, with 0.0 p.
21	29.24	29.24	37.0	34.0	32.0	43.0	2.0	1.0	182	176	83	89	NE	NE	—	—	0.60	0.0 showers a. Snow on hills.
22	29.21	29.30	39.0	33.5	32.0	41.0	1.0	1.0	218	171	92	89	NE	E	—	—	0.80	Cold a. 0.0 showers.
23	29.34	29.46	37.5	36.0	31.5	43.0	1.0	1.5	205	184	92	87	E	E	—	—	0.40	Cold and blowy, with 0.0 showers.
24	29.50	29.54	36.0	34.5	31.0	42.8	1.5	2.5	184	152	87	75	NE	NE	—	—	0.10	0.0 showers a. ✱ Dull p.
25	29.56	29.64	39.0	34.0	28.0	39.5	1.5	1.5	209	166	88	84	NE	NE	—	—	—	Dull and cold a. Fine and clear p.
26	29.60	29.47	39.0	41.0	35.0	43.0	0.5	2.5	129	206	55	81	NE	SW	—	—	—	Fine and clear a.
27	29.22	29.24	48.0	41.0	38.0	55.0	2.5	2.5	274	206	83	81	W	NW	—	—	—	Dull and blowy a. Fine p.
28	29.30	28.95	46.5	46.0	34.0	56.0	2.5	1.5	259	276	82	90	SW	W	—	—	1.20	0.0 showers a. Blowly. Stormy n.
29	28.82	28.92	44.0	43.0	40.5	54.0	1.5	2.0	255	234	88	84	W	W	—	—	1.00	0.0 a. Dull, with 0.0 showers p.
30	28.84	28.73	45.5	47.0	38.0	53.0	2.5	1.5	248	287	82	90	S	SW	—	—	1.10	0.0 showers.
Mean	29.216	29.219	41.4	38.2	31.8	48.9	2.5	1.6	213	202	80.4	86.1	—	—	—	—	2.550	

SCARBOROUGH.—APRIL 1888.

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.

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.	40.7	41.5	35.5	48.3	1.8	2.1	217	218	85	84	NW 2	W 2	5	10	ins.	Fine and bright.
2	29.88	29.75	40.7	41.5	35.5	48.3	1.8	2.1	217	218	85	84	NW 2	W 2	5	10	0.04	* 9a. ● showers.
3	59	70	41.4	36.9	36.5	42.7	1.5	2.2	220	178	88	82	NW 4	NE 4	7	1	0.20	Cold, with * showers.
4	59	72	35.8	35.0	32.5	40.2	1.3	1.0	184	184	89	90	NE 5	NW 1	9	10	0.00	Brilliant day.
5	58	29.77	37.7	35.4	30.0	41.6	1.8	0.7	191	193	84	93	NW 1	NE 2	1	0	1.00	* showers. Brilliant afternoon.
6	29.92	30.06	37.5	34.8	30.3	41.3	1.6	1.3	193	176	86	87	NE 1	W 1	5	0	—	Brilliant day.
7	30.09	30.12	40.7	37.7	31.5	42.6	1.9	0.8	214	210	85	93	N 3	NW 1	3	8	—	Fine and bright.
8	30.05	29.96	42.4	37.1	30.4	45.1	3.0	1.1	210	199	78	90	N 2	NW 2	6	6	0.20	Brilliant day, with cold wind.
9	29.95	90	39.7	36.7	33.5	42.3	3.3	2.0	182	179	74	83	NE 2	N 1	0	1	—	Dull and cold. *
10	80	85	36.9	34.1	33.5	40.0	1.0	0.1	199	194	91	99	N 4	N 2	9	2	1.20	Dull and cold.
11	90	85	37.7	36.7	33.0	40.8	2.3	1.7	184	185	81	85	N 4	NW 2	8	8	—	
12	58	61	44.1	39.7	35.0	50.8	1.9	1.9	246	206	85	84	W 3	W 1	9	0	0.30	
13	58	59	40.3	38.7	35.0	50.8	2.7	0.8	197	219	79	93	NW 4	SE 3	6	10	1.50	Very fine and mild.
14	40	56	47.6	46.5	37.7	54.7	2.7	2.4	265	262	81	84	W 5	W 1	5	9	—	Brilliant and warm.
15	63	70	51.6	50.6	44.0	60.7	1.9	3.3	334	288	87	78	W 3	W 1	5	1	—	Fine a. Dull, with ● p.
16	66	56	51.7	42.7	42.5	52.6	2.4	0.1	323	272	84	99	S 3	SE 1	10	10	1.50	Bright and warm.
17	62	64	48.9	50.0	41.3	58.0	2.2	3.1	393	285	85	79	W 4	S 4	1	3	0.30	☼ 2 2p.-3p. ▲ ● 2
18	46	39	46.7	46.1	44.7	58.1	0.6	1.3	304	281	96	91	S 6	SW 2	10	2	2.10	● showers.
19	33	31	50.0	44.9	40.3	53.8	2.1	0.5	308	286	85	96	SW 3	SE 2	8	2	1.10	● showers.
20	34	38	48.6	46.1	43.6	51.3	1.6	1.2	304	284	89	91	SW 3	SE 1	9	10	0.10	Dull, with ● p.
21	43	54	40.7	40.7	39.5	46.2	0.0	0.1	254	252	100	99	NE 2	NE 3	10	10	3.70	Dull, with ● p.
22	61	66	39.7	39.4	39.0	40.7	0.1	0.3	242	235	99	98	NE 3	NE 3	10	10	2.00	Dull, with ● p.
23	65	70	38.7	37.2	36.5	39.4	0.3	1.0	229	202	97	91	NE 3	NE 3	10	10	0.20	Dull and cold.
24	76	85	38.7	37.7	35.0	39.6	0.6	0.3	223	220	95	98	E 3	NE 5	10	10	0.20	Dull and cold.
25	90	29.97	37.0	34.6	38.3	0.4	0.7	212	226	96	94	NE 5	NE 5	10	9	0.10	Dull and cold.	
26	29.99	30.05	41.2	38.5	36.0	48.8	1.8	2.1	221	193	86	83	NE 4	NE 3	8	9	—	
27	30.05	30.03	39.2	36.1	35.0	41.5	2.3	1.6	195	182	81	86	NE 4	S 1	10	2	0.70	Fine and bright.
28	29.75	29.71	44.1	42.4	35.0	53.8	1.1	3.2	264	252	91	78	W 6	SW 5	10	4	—	
29	77	56	49.0	54.6	39.0	58.8	3.1	2.5	272	358	78	84	W 2	SW 3	5	7	—	Very fine and warm.
30	44	46	49.1	45.5	39.0	58.8	3.9	1.3	256	275	74	91	SW 5	W 2	7	10	0.90	
31	29.41	29.31	50.0	46.5	43.0	58.8	1.7	2.1	318	268	88	85	S 4	W 2	8	0	0.30	
Mean	29.694	29.707	42.9	41.1	36.7	48.0	1.8	1.4	242	231	86.6	89.0	3.4	2.3	7.1	5.8	1.900	

STONYHURST.—APRIL 1888.

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.

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.	40.2	40.7	30.1	44.9	2.0	2.0	ins.	ins.	NE by N 1	Why N 2	1	10	ins.	Fine and sunny.
2	29.70	29.63	40.2	40.7	30.1	44.9	2.0	2.0	2.13	2.13	WNW 3	N by E 2	9	1	0.012	
3	42	52	43.6	34.2	32.9	47.6	2.0	3.3	2.41	1.36	N 2	NW 1	8	10	—	
4	62	54	36.3	37.0	30.1	42.1	4.4	4.2	1.39	1.46	Calm	0	9	4	—	Dull and overcast.
5	38	57	36.4	36.0	30.7	43.6	2.0	2.4	1.78	1.68	N 2	NE 1	6	0	—	
6	75	87	39.2	33.3	30.2	43.6	4.8	3.1	1.54	1.31	Calm	0	10	3	—	Dull and overcast a.
7	91	93	37.5	38.1	30.3	46.0	3.1	3.1	1.68	1.72	Calm	0	10	3	—	Dull and overcast p.
8	77	77	40.4	35.6	28.7	48.9	3.4	2.6	1.85	1.60	ENE 1	Calm	4	2	—	Fine and sunny.
9	74	72	39.7	36.7	30.4	44.3	7.1	4.4	1.26	1.41	NW 1	Why N 1	9	7	—	
10	66	64	36.8	40.0	20.1	43.3	4.3	4.0	1.44	1.72	N by E 1	sw by w 1	10	10	2.60	Dull and overcast. ● p.
11	73	63	38.4	40.7	34.2	45.8	3.7	0.7	1.95	2.39	W 3	Why N 3	10	2	—	Dull and overcast a.
12	48	49	45.0	40.0	39.6	47.6	2.2	2.8	2.49	1.93	Why N 2	S 1	10	10	3.79	Overcast and gloomy. ● p.
13	40	31	42.3	42.7	38.6	46.5	3.3	0.7	2.04	2.59	Why N 2	S 1	10	10	—	Overcast and gloomy. ● p.
14	36	39	45.5	45.7	41.6	49.0	3.0	1.5	2.39	2.73	WSW 2	Calm	10	10	3.32	Fine and sunny p.
15	47	49	47.3	48.0	44.2	57.2	1.0	1.8	3.02	2.90	SE 1	WSW 1	10	10	0.45	Dull and overcast. ● p.
16	40	32	50.4	47.2	45.9	54.8	2.8	1.5	2.96	2.89	sw by s 2	SSW 2	9	10	0.53	
17	44	39	48.0	49.5	39.0	55.8	2.2	4.2	2.81	2.56	S by E 3	sw by w 1	10	0	2.22	Overcast, with ●. ▲ p.
18	30	17	49.6	45.7	43.9	55.1	2.9	2.9	2.84	2.43	sw by s 1	sw by s 1	9	10	1.63	Overcast, with ●. ▲ p.
19	13	10	47.4	46.2	42.8	52.6	2.7	2.2	2.64	2.63	Why N 1	Why N 1	10	10	1.55	Overcast, with ●. Fine and sunny
20	13	18	46.3	44.5	43.3	52.0	0.2	1.2	3.09	2.66	NNE 1	NNE 2	10	10	0.72	Overcast, with ●. [p.
21	19	33	46.0	40.9	40.1	49.0	1.4	2.4	2.78	2.08	NE by N 2	NE by N 2	10	9	0.05	Overcast, with ●.
22	41	42	42.9	38.3	37.7	43.9	3.0	2.1	2.44	1.91	ENE 3	NE 2	8	10	—	Overcast p.
23	40	47	43.7	37.6	36.3	43.7	3.1	1.8	2.19	1.91	NE by E 2	NE by E 3	10	10	—	Squally p.
24	53	60	39.5	38.8	36.3	44.9	2.6	2.0	1.92	1.97	NE 2	NE 2	9	10	—	Squally a. and p.
25	61	73	38.4	37.7	35.2	43.5	2.6	2.0	1.83	1.89	NE 4	NE 1	6	4	—	
26	77	85	43.4	36.1	34.7	47.9	5.3	2.5	1.79	1.67	NE by N 1	sw by s 1	6	10	0.58	Fine and sunny a.
27	88	85	40.4	39.8	34.0	49.7	4.9	1.2	1.61	2.21	WSW 4	W 1	10	8	0.05	Overcast, with ●.
28	64	61	42.3	43.7	37.6	45.7	0.7	1.9	2.55	2.44	SW 1	sw by s 3	10	10	0.05	● a. Dull and overcast.
29	59	41	47.2	40.5	40.7	54.8	1.2	2.8	2.95	2.53	Calm	0	10	10	3.05	Overcast, with ●.
30	24	24	46.7	44.8	43.8	47.9	3.5	1.3	2.40	2.07	SSE 5	se by s 5	10	10	0.21	● a. Overcast.
Mean	29.502	29.505	43.0	41.2	36.8	48.2	3.0	2.5	2.21	2.12	2.1	1.4	8.5	7.3	2.287	

HILLINGTON.—APRIL 1888.

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.

1	29.93	29.89	43.9	38.6	33.1	48.7	4.1	2.8	2.04	1.82	71	78	NNE 2	W 1	4	10	0.22	● a. ▲ 11a.
2	68	70	40.7	35.1	31.9	43.4	0.4	1.2	2.45	1.81	96	88	NW 3	NE 4	10	1	0.078	▲ a.
3	78	78	38.7	30.0	29.9	43.2	3.1	0.2	1.77	1.61	76	97	NE 5	N 0.5	8	0	0.027	▲ early a.
4	66	29.82	38.8	29.0	29.0	46.3	2.1	0.3	1.96	1.51	83	95	N 1	N 0.5	5	0	0.012	▲ early a.
5	29.96	30.12	40.2	27.2	27.2	44.2	3.5	1.3	1.82	1.08	73	74	N 2	N 0.5	8	0	—	▲ early a. Very fine and sunny.
6	30.16	30.21	42.5	30.9	21.5	44.6	3.8	1.1	1.96	1.46	73	81	N 2	N 0.5	6	0	0.026	
7	30.06	29.97	39.6	34.8	25.9	46.9	1.7	1.2	2.09	1.79	86	88	N 2	N 1	10	8	0.047	▲ 5.30p. * in evening.
8	29.94	29.94	35.8	33.0	30.9	43.0	3.3	1.3	1.50	1.60	71	86	NE 5	NE 0.5	5	6	—	* before ga. Much cir. p.
9	85	84	37.9	33.1	32.7	41.9	2.2	0.4	1.86	1.80	82	96	NW 3	NE 2	10	8	1.90	● showers a. * ▲ 2 p.
10	96	93	39.3	35.7	30.0	42.4	3.1	1.4	1.82	1.82	76	87	N 3	N 0.5	8	10	0.047	* before ga. * ▲ 10.20a.
11	74	72	41.5	38.0	34.1	52.7	0.4	0.7	2.53	2.14	97	94	SW 1	N 3	10	4	0.054	● till 10.30 a. Then fine. ● showers p.
12	68	69	41.7	40.2	33.6	48.7	2.8	1.6	2.07	2.16	79	87	NW 2	SE 1	9	10	0.066	Fine and sunny.
13	58	70	50.2	47.4	39.6	55.4	4.5	3.8	2.57	2.40	71	75	WNW 5	NW 1	3	6	—	Fine and sunny. Cir. p.
14	79	81	49.9	44.7	44.5	60.6	2.1	1.0	3.06	2.72	86	92	SW 3	SW 0.5	5	0	—	Fine and sunny. Cir. p.
15	74	62	53.4	51.0	38.5	62.8	3.7	0.8	3.11	3.52	70	94	SE 4	SW 0.5	8	10	1.116	Fine and sunny. Much cir. ● 2 7p.
16	77	78	51.0	47.8	43.2	61.2	2.9	3.1	3.01	2.60	81	78	W 2	WSW 1	2	3	0.038	Very fine and sunny.
17	62	54	47.1	46.8	43.9	58.9	0.7	1.0	3.06	2.96	95	93	SW 3	SW 1	10	10	1.180	T 3p. R 3.15p. p.
18	50	48	49.1	44.0	43.6	56.0	3.4	0.5	2.67	2.76	77	96	WSW 6	SW 1	10	8	1.152	R 3p. and 5p. p. 5.30p.
19	47	45	46.3	46.5	40.8	56.7	1.5	0.7	2.78	2.99	90	96	SW 3	SE 1	10	10	0.070	Fine and sunny a. ● 2 0.30p. Much
20	44	50	48.1	43.6	43.2	51.4	3.5	0.3	2.54	2.76	96	97	SE 2	ESE 3	10	10	1.170	Overcast nearly all day. [cir. 4p.
21	62	66	42.0	40.0	39.5	50.6	0.4	0.4	2.58	2.38	97	97	E 1	NE 3	10	10	—	Overcast nearly all day.
22	67	69	41.6	39.9	33.0	44.5	1.1	0.6	2.30	2.33	92	95	NE 2	NE 5	10	10	—	Overcast nearly all day. Cold wind.
23	60	68	41.1	40.4	37.7	44.3	0.9	0.7	2.38	2.36	93	95	NE 5	NE 4	10	10	2.98	Overcast nearly all day. ● 2 p.
24	90	29.99	40.2	39.0	37.8	41.3	0.4	1.1	2.40	2.16	96	91	NE 5	NE 5	10	9	—	Overcast nearly all day.
25	96	30.00	41.1	38.9	37.7	47.2	1.9	1.6	2.18	2.05	85	87	NE 5	NE 5	10	8	—	
26	30.07	30.16	40.0	38.8	36.0	44.1	3.4	3.0	1.82	1.79	73	77	NE 5	NE 1	10	8	1.100	Overcast, with ●.
27	29.98	29.89	42.6	47.0	30.0	51.4	1.6	0.5	2.38	2.09	87	97	SW 3	SW 3	10	9	—	
28	90	77	53.0	52.5	39.1	61.2	4.4	1.3	2.90	3.60	72	91	W 1	W 3	6	5	—	
29	73	65	48.6	48.8	44.5	54.4	4.1	2.3	2.48	2.88	72	84	SW 4	SW 1	8	7	—	
30	29.57	29.59	53.5	53.5	41.0	66.4	4.6	6.0	2.93	2.63	72	65	SW 4	SW 1	4	10	—	Very fine and sunny.
Mean	29.779	29.778	44.0	40.5	35.8	50.5	2.5	1.4	2.37	2.29	81.8	88.5	3.1	1.8	8.0	6.7	1.693	

CHURCHSTOKE.—APRIL 1888.

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.

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.	38.8	33.9	27.5	46.1	2.9	3.0	ins.	ins.	%	%	NNW 2	NW 1	8	0	ins.	Cold wind.
2	29.50	29.45	42.8	34.1	31.9	48.9	2.1	1.8	2.30	1.60	84	81	W 2	N 2	9	3	0.050	Cloudy and threatening.
3	40	36	36.9	29.1	28.0	42.1	4.0	1.2	1.48	1.27	68	80	NE 4	NW 2	8	2	0.070	Cold wind.
4	10	40	38.7	36.1	28.0	42.1	2.8	1.2	1.82	1.88	78	89	SE 2	NE 2	8	10	—	* at night.
5	53	65	37.5	30.9	30.0	42.6	2.6	2.0	1.76	1.25	78	72	NE 2	NW 2	8	2	—	∞
6	68	72	33.9	36.9	23.4	45.3	2.0	1.0	1.56	1.99	79	91	NW 2	SW 1	10	10	—	∞ (mist) ga.
7	65	52	43.8	39.8	27.2	49.8	4.9	1.9	1.88	2.07	65	85	NW 2	NW 2	4	10	—	∞. Cool and bright.
8	49	50	36.3	30.9	27.5	42.1	4.6	1.8	1.34	1.30	63	74	NE 2	NE 1	8	10	—	Cold wind.
9	51	45	39.2	33.7	27.3	46.1	4.1	2.4	1.65	1.46	70	75	WNW 3	NW 1	8	8	—	Breezy.
10	53	47	37.4	40.8	33.0	47.1	3.3	0.9	1.62	2.35	73	93	N 1	SW 1	10	10	0.030	∞ (mist) ga. Dull, with showers.
11	35	34	46.8	38.2	37.0	52.5	5.9	2.3	2.33	1.86	73	81	WNW 3	W 2	9	2	0.06	Breezy. [*]
12	23	17	40.8	48.9	36.8	49.3	0.5	0.9	2.44	3.33	96	94	SE 1	SE 1	10	10	0.010	Dull, with ∞ (mist). Bright and warm.
13	16	27	47.8	47.6	44.1	54.1	3.9	2.9	2.42	2.62	73	80	W 2	W 2	6	6	1.42	
14	31	29	49.9	46.8	44.5	57.3	1.1	1.5	3.30	2.84	93	89	SW 2	SW 2	10	10	—	
15	17	19	52.4	44.8	42.5	56.2	3.5	1.1	3.03	2.71	77	92	SE 2	W 1	9	9	0.020	Breezy.
16	20.30	20.19	49.9	45.9	37.0	59.3	4.5	2.4	2.53	2.59	71	85	SW 3	SW 3	8	6	1.28	Breezy.
17	28.09	28.09	50.7	43.8	43.0	59.1	3.3	0.9	2.87	2.65	78	93	SW 2	SW 1	8	3	1.80	showers.
18	96	28.96	45.6	45.0	51.1	53.1	1.9	1.9	2.63	2.64	86	86	W 2	SW 1	8	8	300	Fresh and breezy. showers.
19	28.95	29.02	47.8	47.8	42.4	50.9	2.9	0.1	2.64	3.21	79	99	SW 1	W 2	9	9	0.10	Breezy, with showers.
20	29.00	08	44.2	41.8	36.4	50.3	2.3	0.9	2.39	2.45	82	93	W 1	NW 2	8	10	2.30	Breezy. 2 showers p.
21	17	18	40.8	39.0	37.1	45.6	0.9	0.9	2.35	2.19	93	83	NNW 2	NE 2	10	10	—	Dull and cold.
22	14	21	40.8	39.2	36.5	47.3	1.9	1.3	2.15	2.14	85	89	E 4	E 5	10	10	—	Dull and cold.
23	24	34	39.3	39.2	36.1	43.9	1.4	1.3	2.13	2.14	89	89	NE 2	NE 2	10	10	0.030	Dull and cold.
24	37	49	36.3	36.9	34.2	40.2	1.4	1.6	1.86	1.87	88	86	NNE 2	NE 2	10	10	—	Cold and raw.
25	52	62	40.6	37.5	34.2	49.3	3.9	2.6	1.79	1.76	70	78	NE 4	NE 2	9	9	—	Dull and cold.
26	66	67	36.7	33.7	32.8	48.9	2.2	1.8	1.76	1.57	81	81	NE 3	NW 1	10	0	—	Very cold wind. Bright p.
27	54	46	45.9	47.0	31.2	52.7	3.2	0.6	2.38	3.07	78	96	NW 2	W 3	9	10	0.010	
28	43	27	52.8	44.8	44.1	61.9	2.3	2.9	3.38	2.33	84	78	W 1	SW 3	9	10	—	Dull and warm.
29	29.12	29.08	48.9	46.8	42.0	53.2	4.2	0.9	2.48	2.98	72	93	W 3	W 1	9	10	0.06	Gusty, with showers.
30	28.99	28.78	50.7	48.1	45.8	56.6	4.0	4.2	2.72	2.40	74	72	SW 2	SE 2	9	10	1.02	Squally.
Mean	29.311	29.313	43.1	40.5	35.4	49.8	2.9	1.7	2.23	2.19	78.6	85.3	2.2	1.9	8.7	7.4	1.804	

MARGATE.—APRIL 1888.

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.

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.	39°0	35°3	35°0	43°0	1°5	0°6	in.	in.	88	94	NNW	2	SW	2	10	0	ins.	—	Fine, bright, and dry.					
2	29°94	29°94	39°0	35°3	35°0	43°0	1°5	0°6	208	193	77	87	SW	3	E	1	10	10	0°50	—	● a. and p. Dull day.					
3	73	73	39°0	35°3	35°0	43°0	1°5	0°6	199	206	77	87	SW	3	E	1	10	10	0	—	—	● a. Fine afternoon.				
4	73	73	39°0	35°3	35°0	43°0	1°5	0°6	140	74	68	74	E	3	E	2	6	0	0°10	—	—	● a. Fine day.				
5	29°84	29°84	36°2	33°0	33°0	40°8	2°2	2°0	172	175	81	85	NW	1	SE	1	6	3	0	—	—	—	● a. in past n. Cold day.			
6	29°08	29°08	38°7	36°0	33°0	42°6	4°7	5°0	152	126	65	59	E	3	E	2	0	10	—	—	—	—	—	● a. before ga.		
7	30°15	30°15	38°0	35°0	33°8	40°5	3°7	1°2	162	180	70	88	NE	3	E	2	2	0	0°50	—	—	—	—	—	Bright and sunny. ● 6p.	
8	30°10	29°97	37°0	36°2	34°0	44°8	4°0	1°0	149	193	68	91	NW	2	N	2	8	10	0	—	—	—	—	—	● till noon, then fine but cold.	
9	29°85	29°85	34°7	36°0	31°1	40°3	0°9	2°9	184	158	91	75	E	3	E	2	10	3	0°60	—	—	—	—	—	Dull day. ● p.	
10	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Fine day. ●	
11	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
12	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
13	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
14	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
15	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
16	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
17	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
18	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
19	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
20	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
21	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
22	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
23	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
24	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
25	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
26	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
27	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
28	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
29	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
30	73	73	36°7	36°1	33°5	41°6	1°7	0°7	185	199	85	94	NW	2	S	2	10	10	0°70	—	—	—	—	—	Dull, with ●.	
Mean	29°787	29°797	43°6	41°3	37°5	49°2	2°5	1°8	235	228	81°9	86°1	2°7	2°1	7°7	5°8	0°870									

SOUTHAMPTON.—APRIL 1888.

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.

1	29.96	29.97	40.6	38.1	36.7	49.6	2.0	2.4	*212	*184	85	80	NE 1.5	NE 1	10	0	—	Beautiful day.
2	85	*71	42.3	38.2	31.0	53.2	3.9	0.9	*191	*212	72	93	W 1	E 2.5	9	10	*066	— a. Beautiful day. ● 6p. and 9p.
3	*81	*83	41.2	35.1	31.6	47.2	3.6	1.8	*189	*169	73	82	NNE 3.5	NE 4	5	1	—	Fine, but with cold wind. ✱ ⁰ 1p. and 2p.
4	*73	29.81	39.9	34.8	30.4	42.9	3.0	0.9	*189	*184	76	92	NNW 1	N 0.5	9	10	*003	✱ ⁰ 11a. and 1p. ✱ 2p.
5	29.99	30.11	38.7	34.1	31.4	46.1	3.5	2.1	*170	*155	73	78	NE 3	NE 1	10	0	—	Beautiful day. ✱ ⁰ 11a. and 1p. —
6	30.20	*17	40.1	37.4	26.5	47.6	4.0	1.7	*158	*191	63	86	NNE 3	NE 1	1	0	—	— a. Beautiful day throughout.
7	30.17	30.01	40.1	41.9	28.5	49.4	2.7	2.9	*195	*208	78	79	NE 2.5	NW 1	8	10	*003	— a. Beautiful day.
8	29.91	29.95	37.0	33.8	32.3	43.9	3.1	2.1	*163	*152	74	79	NE 4	NE 1	10	1	*002	Cold wind all day. ✱ ² 1p. and 5p.
9	29.96	29.90	37.6	40.3	29.1	46.7	2.8	3.4	*174	*185	77	73	NW 2.5	NW 3	10	9	—	Dull and cold.
10	30.01	30.02	43.8	41.4	34.7	48.6	5.3	1.7	*182	*226	63	88	NE 3	S 1.5	5	10	*036	Beautiful day.
11	29.85	29.84	46.7	40.2	40.2	53.6	1.3	4.4	*289	*219	91	71	W 2	NW 2	10	9	*072	Dull and mild.
12	*77	*75	40.6	41.9	40.1	47.5	0.6	0.2	*240	*261	95	99	ENE 1	SE 2	10	10	*060	— till 11a. and from 1p.
13	*75	*84	55.8	49.6	41.7	61.1	3.7	1.9	*345	*368	77	87	NW 4	W 2	9	0	*002	Beautifully fine and mild. D n.
14	*90	*82	49.3	45.9	45.2	51.6	1.6	1.5	*311	*276	89	90	SW 2.5	SE 1	10	0	—	Fine and mild from 10a.
15	*67	*70	50.8	46.1	41.7	53.3	3.0	0.5	*296	*300	80	96	E 1.5	SW 1	10	10	*197	● noon—9p.
16	*88	*85	53.3	46.1	38.9	57.6	3.5	1.3	*314	*282	77	91	SSW 2	SW 3	1	10	*282	Beautiful day. ● 9p.
17	*67	*62	48.2	47.3	45.1	54.7	0.5	1.0	*325	*302	97	93	SW 4	SW 4	10	10	*035	Fine and mild from 11a.
18	*62	*60	49.0	45.3	43.3	56.6	1.6	1.0	*308	*279	89	92	SW 4	SW 3	10	1	—	Beautiful day from 10a.
19	*53	*53	49.0	46.2	43.0	53.6	1.4	1.0	*312	*290	90	93	SW 3	SW 1.5	10	10	*514	
20	*53	*54	46.1	43.5	41.5	51.0	2.8	1.0	*249	*242	80	85	NW 2.5	SW 2	10	10	*056	
21	*63	*62	43.2	40.2	40.0	46.0	0.3	0.7	*273	*232	97	93	SSE 2	NE 1.5	10	9	*130	● till 11.30 a. Fine p.
22	*53	*58	44.3	42.5	39.1	45.8	0.7	0.7	*275	*257	95	94	ENE 3	NE 3	10	10	*105	● 5a.—2.30p.
23	*59	*66	44.6	43.3	41.3	46.7	0.8	0.1	*276	*277	94	100	NE 4	NNE 3	10	10	780	● most of day.
24	*75	*84	46.7	42.7	40.1	58.4	0.9	0.9	*298	*255	94	92	ESE 1.5	NE 5.5	10	10	—	● ² till 5a. Beautiful afternoon.
25	29.87	29.97	42.6	40.4	38.6	49.3	1.7	2.4	*237	*203	87	81	NE 4.5	NE 6	10	8	—	Fine and dry, but with very cold wind.
26	30.07	30.17	41.8	39.2	36.0	51.0	3.6	2.2	*195	*197	74	82	NE 4	NE 1	8	1	—	Beautiful day, but with cold wind.
27	*12	30.03	50.5	47.8	31.5	58.8	4.6	2.3	*258	*279	70	84	W 3	NW 4	7	9	—	Beautiful day.
28	30.00	29.90	53.4	47.8	47.0	59.9	2.3	1.4	*345	*298	85	90	SW 1	SW 3.5	10	10	—	Dull and mild.
29	29.79	*74	46.6	44.9	44.8	54.2	2.4	0.9	*262	*262	83	93	SW 2	SSE 1.5	10	0	—	Beautiful afternoon. D n.
30	29.62	29.41	54.6	46.4	42.2	58.6	4.9	2.0	*298	*269	71	86	SW 3	SE 3	7	8	*036	Beautiful day.
Mean	29.824	29.815	45.3	42.3	37.8	51.5	2.6	1.6	*251	*239	81.6	87.4	2.7	2.3	8.6	6.3	*363	

BABBACOMBE.—APRIL 1888.

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.

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.	38.5	36.5	36.3	45.6	1.6	1.3	in.	in.	101	100	87	89	ENE 4	Calm 0	10	0	ins.	Dull, with ☼ a. Fine p. ☾
2	29.69	29.74	38.5	36.5	36.3	45.6	1.6	1.3	101	100	87	89	ENE 4	Calm 0	10	0	0.10	0.10	☼ ga. Clear 11a.—3p. ☾ n.	
3	64	45	43.9	40.7	30.9	55.7	4.9	2.1	189	212	66	83	WNW 2	N 3	8	3	—	—	Squally a. ☼ showers 2p.—4p.	
4	57	61	37.9	37.9	34.0	44.1	3.2	3.6	169	162	74	71	NE 4	NNE 3	3	3	—	—	☼ a. ☼ (mist) a. and p. ☼	
5	46	56	39.4	37.2	33.3	42.6	4.1	2.6	166	174	69	78	NW 1	NNE 2	9	10	—	—	☼ (mist) a. ☼ showers 2p.—4p.	
6	74	86	38.7	37.0	33.5	44.6	3.0	2.9	179	167	77	76	ENE 4	NNE 3	9	1	—	—	☼ 7a. ☼ mist p.	
7	94	93	38.2	38.9	34.1	43.0	4.1	4.0	157	164	68	70	NE 3	NNE 3	1	0	—	—	Dull, with ☼ (mist) p.	
8	91	78	39.1	39.8	34.2	45.9	3.3	2.8	176	191	75	78	ENE 3	NW 2	2	10	—	—	☼ showers p. ☼ 2p. ☼ 3p.	
9	68	72	37.9	37.1	35.5	42.1	4.8	3.5	144	157	64	71	NE 3	NE 3	9	1	0.10	0.10	☼ (mist) a. ☼ p. Parhelion 6p.	
10	75	72	42.0	40.1	32.4	47.8	4.9	2.8	174	193	67	77	NNW 3	NW 3	7	9	—	—	Dull, with ☼ (mist). ☼ 3p.	
11	78	80	43.0	42.4	40.0	47.5	2.2	1.6	231	236	83	88	NNE 2	WNW 3	10	9	—	—	Squally a.	
12	67	60	49.0	46.0	42.3	54.2	3.1	3.0	273	243	78	79	NW 3	NW 2	10	2	—	—	☼ 2a. ☼ (mist) till 6p. ☾ p.	
13	53	55	52.3	50.7	43.9	54.7	2.4	1.6	329	328	83	89	WNW 5	NW 3	9	9	—	—	☼ 2a. ☼ (mist) till 6p. ☾ p.	
14	58	64	52.6	46.0	46.3	50.8	2.9	3.0	321	252	80	79	WSW 3	WSW 2	9	1	—	—	☼ 2a. ☼ (mist) till 6p. ☾ p.	
15	63	55	48.1	42.1	41.7	50.0	0.8	0.6	316	255	94	95	WSW 3	E 2	10	1	—	—	☼ 2a. ☼ (mist) till 6p. ☾ p.	
16	40	50	45.0	43.4	41.6	47.5	1.0	1.8	275	241	92	86	ENE 2	WNW 1	10	0	0.70	0.70	☼ 2a. ☼ (mist) till 6p. ☾ p.	
17	63	54	49.0	45.3	37.4	55.7	2.1	0.3	293	296	85	98	WSW 3	S 4	7	10	—	—	☼ 2a. ☼ (mist) a. ☼ showers	
18	37	35	49.7	46.9	44.5	54.6	1.1	1.2	328	292	92	92	SW 4	WSW 4	9	9	100	100	☼ showers. ☾ p. ☼ [p.	
19	36	36	50.0	45.0	44.3	54.7	2.8	0.9	290	278	81	93	WSW 5	WSW 4	9	6	0.83	0.83	☼ showers. ☾ p. ☼ [p.	
20	38	36	50.9	44.2	43.8	53.2	3.1	2.2	295	241	80	83	W 3	W 2	9	1	0.90	0.90	☼ 2a. ☼ (mist). Distant T ^h 1p. ☼ 2p.	
21	35	33	43.0	41.2	39.3	50.5	2.0	1.9	234	219	84	85	NW 3	WNW 2	9	4	0.10	0.10	☼ a. and p. ☼ showers. ☼ 4p.	
22	39	34	48.7	42.0	41.1	52.5	3.2	0.5	267	256	78	96	NE 1	ESE 3	6	10	0.90	0.90	☼ a. ☼ (mist). Distant T ^h 1p. ☼ 2p.	
23	21	28	42.1	42.7	40.3	43.4	0.2	0.5	264	263	98	96	ENE 5	E 5	10	10	10	10	☼ 520 Dull and gloomy. Scotch ☼ p.	
24	47	58	41.8	41.9	38.2	45.1	1.0	0.8	243	248	92	94	ENE 3	NE 5	9	10	—	—	Dull, with ☼ (mist). [Squally 9p.	
25	61	72	40.0	42.9	38.4	46.6	1.8	3.1	211	213	86	78	NE 6	NE 5	10	1	—	—	Dull, with ☼ (mist). Squally p.	
26	84	94	42.0	39.9	36.3	48.6	3.8	2.1	192	204	73	83	NNE 3	ESE 1	8	3	—	—	Squally ☼ (gale) a. Dull till 4p.	
27	89	83	42.9	47.1	34.3	58.5	5.9	2.1	258	273	65	85	WSW 2	WSW 2	3	9	—	—	☼ early a. ☼ 11a.—1p.	
28	77	67	57.1	45.8	45.5	61.9	3.4	2.4	369	254	79	83	WSW 3	SW 4	7	10	—	—	☼ early a.	
29	51	46	47.8	47.1	44.4	54.6	2.4	1.2	275	294	83	91	SSW 4	WSW 4	10	7	—	—	☼ 11a.—3p. Squally ☼ (gale) 11p.	
30	29.31	29.09	47.1	48.0	45.3	55.8	2.1	1.3	308	303	85	91	SSW 4	S 5	10	10	100	100	☼ 11a.—3p. Squally ☼ (gale) 11p.	
Mean	29.578	29.579	45.1	42.7	39.1	50.2	2.7	1.9	246	236	80.5	85.2	3.2	3.0	8.1	5.6	1.650	1.650		

ARMAGH.—APRIL 1888.

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.

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.	40.1	40.5	26.0	52.8	3.7	1.9	178	in.	71	85	N	1	WNW	1	0	0	ins.	
2	72	80	49.8	35.9	35.0	51.7	5.6	2.7	232	162	65	77	NNW	2	NE	1	6	10	—	
3	89	79	41.8	36.1	25.7	44.5	6.1	1.5	156	185	59	86	NNE	2	NNW	1	10	10	—	
4	29.62	29.83	44.8	32.6	31.7	46.7	5.0	0.7	196	171	66	92	NNE	3	NNE	0.5	10	0	0.10	
5	30.01	30.03	39.8	36.5	31.4	47.0	1.8	1.5	209	191	86	89	Calm	0	NNE	0.5	10	9	—	
6	11	30.12	41.0	36.0	31.7	50.5	3.3	3.8	192	145	75	68	NNE	0.5	NNE	1	9	3	—	
7	30.06	29.97	40.5	40.3	28.9	50.2	2.5	2.8	202	195	80	78	NNE	1	Calm	0	8	10	0.03	
8	29.93	29.92	39.2	34.0	34.0	48.0	3.5	4.3	174	118	74	60	E	1	Calm	0	10	7	—	
9	92	93	41.6	43.0	28.0	52.1	2.7	3.0	209	215	80	78	SW	1	N	2	10	10	—	Overcast all day.
10	92	77	48.0	45.3	37.0	52.1	2.1	0.8	283	284	85	94	WNW	1	NW	2	10	10	0.10	
11	75	74	48.1	41.0	41.0	51.6	4.6	3.7	233	185	69	72	NW	2	W	1	10	10	0.05	
12	52	41	43.3	49.4	38.0	52.5	0.3	0.4	273	342	98	97	SSW	1	W	3	10	10	0.10	
13	48	50	49.5	48.1	44.7	56.0	4.5	2.1	250	284	70	85	W	3	SW	3	8	10	—	
14	56	52	52.1	48.0	45.5	60.1	3.5	1.4	300	299	77	90	SW	2	SSE	2	9	7	—	
15	44	45	47.7	42.0	42.0	52.8	2.7	6.2	267	156	81	59	SSE	3	SSW	1	10	2	0.10	
16	48	29	48.0	48.2	38.6	58.1	4.0	2.2	243	283	73	85	SSW	3	S	4	8	10	0.02	
17	14	22	51.4	45.0	44.8	55.3	3.4	3.7	295	220	78	74	SSW	3	SW	1	10	7	0.185	
18	16	19	48.0	46.1	39.5	53.0	2.4	3.1	276	243	83	78	SSW	1	WSW	1	9	10	0.252	
19	35	42	48.7	43.4	42.0	57.5	2.7	2.0	279	238	81	84	N	1	WNW	1	8	10	0.25	
20	46	68	43.5	40.3	40.3	45.5	1.5	1.3	249	223	88	90	NNE	3	NE	2	10	10	0.18	
21	67	64	41.0	40.5	36.0	44.5	3.5	4.1	189	175	74	69	NE	2	NE	1	10	10	0.03	Overcast all day.
22	62	69	42.0	41.0	34.1	46.6	3.0	3.7	207	185	78	72	NE	2	NE	3	10	10	0.30	Overcast all day.
23	74	83	38.5	40.6	33.9	46.5	3.5	4.6	168	167	72	66	NE	3	NE	3	10	8	—	
24	29.88	29.95	40.1	40.5	37.3	47.6	3.9	4.1	174	175	69	69	NE	3	NE	2	10	10	—	
25	30.03	30.09	42.6	40.3	33.0	49.7	6.6	3.9	155	177	56	70	NE	3	NE	1	3	4	—	
26	30.11	30.03	47.7	44.0	38.4	55.5	5.1	3.8	219	209	67	72	N	1	W	1	10	10	—	
27	29.81	29.80	49.6	45.6	43.7	53.7	1.6	3.0	314	228	89	75	W	3	W	1	10	10	0.10	Overcast all day.
28	63	39	51.4	48.0	45.0	56.2	4.8	4.0	264	243	70	73	SW	4	SW	4	10	10	0.212	Overcast all day.
29	30	29.31	48.0	42.3	41.3	51.6	3.7	3.2	249	206	75	77	SW	3	SSW	1	7	10	0.30	
30	29.19	28.88	45.6	46.0	40.0	51.5	3.0	2.0	240	265	79	86	SSE	3	SSE	4	10	10	0.110	
Mean	29.681	29.671	45.1	42.0	36.9	51.4	3.5	2.9	229	213	75.6	78.3	2.1	1.6	8.8	8.2	1.357			

MARKREE CASTLE (SLIGO).—APRIL 1888.

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.

1	30°03	29°98	41°1	40°6	25°2	46°3	4°0	1°4	181	223	71	89	Calm	0	WNW	1	1	4	0°10	—	∞ ^a
2	29°84	28°8	45°9	37°0	36°1	51°0	1°9	2°6	266	172	87	78	NNW	1	N	1	10	6	—	—	W ⁰
3	30°00	30°1	40°6	39°4	24°2	43°5	5°4	2°2	155	199	61	83	N	1	NNW	2	8	10	0°30	—	—
4	29°74	29°91	43°0	36°3	35°7	45°8	4°6	1°5	187	186	67	87	NNW	3	NNE	1	9	4	—	—	W ⁰
5	30°08	30°16	42°5	36°3	24°7	47°8	3°1	0°0	209	198	77	93	NNW	2	Calm	0	8	4	—	—	—
6	19	20	44°1	42°2	26°3	48°6	4°0	1°1	206	245	71	91	NNE	0°5	NNE	0°5	9	10	—	—	—
7	30°15	30°06	44°9	43°7	35°0	48°2	2°3	1°4	247	254	84	88	SW	1	NW	0°5	10	10	—	—	Overcast all day.
8	29°97	29°98	45°5	39°8	38°3	47°7	2°0	0°4	259	237	86	97	N	1	Calm	0	10	10	0°70	—	—
9	30°03	30°07	44°9	43°8	35°6	50°2	2°0	1°5	253	253	86	88	NNW	1	NNW	2	10	9	0°90	—	—
10	30°03	29°90	45°5	46°1	39°3	48°1	1°0	1°5	282	277	93	89	W	1	NNW	2	10	10	0°100	Overcast all day.	—
11	29°88	28°3	47°2	43°8	42°8	49°3	2°0	0°6	278	271	86	96	NNW	3	W	1	9	10	0°510	Overcast all day.	—
12	62	54	50°9	50°9	43°0	53°4	0°5	2°5	359	310	97	84	NW	5	W	5	10	10	0°060	Overcast all day.	—
13	60	55	49°8	49°0	45°0	54°0	6°4	1°3	217	315	61	91	WNW	4	SSW	1	6	10	0°10	—	—
14	60	53	51°3	50°4	46°0	59°2	2°4	3°0	318	291	83	80	SSW	1	SSE	5	10	10	—	—	—
15	44	47	46°0	45°0	43°5	55°2	1°7	2°5	272	243	88	82	SE	4	SSE	3	10	7	0°20	—	—
16	49	29	51°1	48°2	42°6	57°3	3°9	0°9	280	315	74	94	SSW	4	SSE	2	9	10	0°130	—	—
17	17	26	49°4	41°2	40°0	56°7	2°5	0°8	292	242	83	94	SSW	2	SSE	1	10	8	0°30	—	—
18	21	27	48°1	45°3	40°3	51°7	1°0	1°0	289	279	86	92	WSW	1	SW	0°5	10	10	0°280	Overcast all day.	—
19	49	56	45°3	41°8	41°1	50°7	1°2	0°2	274	260	91	99	NNW	2	NNW	5	9	10	0°150	Overcast all day.	—
20	56	76	45°1	42°3	39°3	49°5	1°6	2°3	263	222	88	83	N	1	NNE	1	10	10	—	—	—
21	75	70	40°1	40°0	37°0	48°8	3°8	3°0	176	189	70	76	ENE	3	ENE	1	10	10	—	—	—
22	69	75	43°0	42°2	35°0	47°3	4°0	2°6	197	216	71	81	NE	3	NE	1	7	10	—	—	—
23	85	29°90	41°7	40°6	34°6	48°6	3°6	2°1	194	211	74	84	E	3	NNE	2	10	6	—	—	—
24	29°97	30°02	40°1	39°3	36°2	49°0	3°0	2°1	190	203	76	84	NNE	2	NNE	1	10	9	—	—	—
25	30°11	17	45°7	41°5	31°8	54°2	6°7	2°2	176	217	57	83	ESE	3	Calm	0	3	8	—	—	—
26	30°20	30°13	45°8	45°0	28°2	50°4	4°9	2°4	206	245	67	82	N	1	W	1	9	10	0°30	Overcast all day, with 0°.	—
27	29°94	29°89	49°1	46°2	44°2	50°2	0°8	0°3	329	307	94	98	W	2	Calm	0	10	10	0°90	Overcast all day.	—
28	70	44	49°9	46°9	45°4	55°1	1°2	1°0	328	298	92	93	SW	0°5	SW	5	10	10	0°100	Overcast all day.	—
29	37	29°36	44°7	40°9	40°0	51°1	3°2	1°5	227	224	77	88	W	2	SSE	1	10	10	0°100	Overcast all day.	—
30	29°19	28°85	47°4	47°6	39°3	49°3	3°3	1°0	251	305	78	93	SE	3	SE	4	10	10	0°310	Overcast all day.	—
Mean	29°763	29°744	45°7	43°1	37°2	50°6	3°0	1°6	245	247	79°2	88°0	2°0	1°7	8°9	8°8	2°030				

DUBLIN (PHENIX PARK).—APRIL 1888.

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.

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.	42.3	35.8	27.1	47.8	4.3	2.4	in.	in.	%	%	NNE 2	ESE 1	4	0	ins.	—
2	78	79	42.1	39.3	33.3	51.5	0.7	3.1	187	166	79	79	WNW 3	NE 3	10	10	0.020	Beautiful day from 10a.
3	03	86	40.1	37.8	30.3	41.9	5.0	2.8	157	175	63	77	NE 4	NW 2	8	9	0.110	—
4	29.64	29.84	41.6	35.6	32.8	45.3	2.7	0.9	209	193	80	92	NE 4	NE 1	7	7	0.060	Cloudy day.
5	30.03	30.12	35.8	36.4	32.9	44.9	0.6	2.0	199	178	95	83	N 2	Calm 0	10	10	0.010	2 a. ☼ 0 0 (sleet) 0 8a. ☼
6	16	16	45.4	31.4	31.0	46.7	3.3	0.7	213	160	76	90	NE 1	Calm 0	6	0	—	[Dull a.
7	30.12	30.01	42.3	43.4	27.9	50.2	2.8	2.3	213	232	80	82	NNW 1	Calm 0	3	10	0.030	Bright a. Cloudy p.
8	29.97	29.07	37.8	29.8	29.0	43.8	1.3	1.1	202	137	90	82	E 1	Calm 0	10	10	—	Dull a. Bright p.
9	08	08	38.8	44.9	23.9	48.6	2.9	2.1	181	251	78	85	W 3	NNW 3	5	10	0.010	Cloudy a. Dull, with 0 showers p.
10	99	87	45.7	47.0	36.4	50.4	1.4	0.8	275	303	90	94	WNW 3	W 3	9	10	0.090	0 showers a. Dull, with 0 p.
11	83	84	48.7	45.1	41.9	53.2	3.2	3.7	268	221	79	73	WNW 3	WNW 2	8	10	0.235	—
12	59	57	51.6	50.6	42.3	54.9	1.1	0.8	353	349	93	95	W 3	W 4	10	10	0.130	Dull, with 0.
13	59	61	50.7	50.4	44.0	54.4	5.1	2.5	251	303	68	83	W 4	WSW 2	7	10	0.020	Cloudy day. 0 shower p.
14	64	61	54.8	47.7	45.3	61.8	4.7	2.2	306	279	72	85	SW 2	SSW 1	4	2	—	Beautiful day.
15	51	54	47.5	41.1	39.6	53.5	2.5	2.2	269	212	82	82	SSE 2	SW 1	9	1	—	Dull and cloudy a. Bright p.
16	57	42	52.6	49.9	40.2	58.9	5.5	4.0	263	265	67	73	SW 4	S 4	2	4	—	Bright a. Cloudy p.
17	26	31	52.6	46.3	45.6	56.8	4.7	1.5	280	279	71	90	SW 5	SW 2	8	4	0.190	Squally 2 a. ☼ p.
18	23	30	48.6	46.3	40.7	54.1	2.0	1.5	394	279	86	90	WSW 4	WSW 2	9	7	0.150	2 a. 0 showers. ☼ p.
19	39	51	47.8	42.7	42.1	55.8	2.4	2.6	274	220	83	81	N 3	W 3	9	1	0.055	Cloudy day. 0 shower p.
20	46	65	44.8	42.5	38.4	45.9	2.0	2.4	252	222	85	82	NNW 2	NNE 4	10	10	0.205	Dull, with 0.
21	68	64	40.2	42.4	37.8	42.5	2.1	2.4	207	221	84	82	NE 4	ENE 4	10	10	0.035	Dull, with 0.
22	61	66	41.2	42.3	39.0	44.5	2.3	2.1	212	226	82	84	NE 4	ENE 3	10	10	0.005	Dull day throughout.
23	73	83	41.6	43.1	39.2	46.0	2.8	1.8	207	239	80	85	NE 4	ENE 3	9	10	—	Dull a. Cloudy p.
24	29.86	29.94	40.7	42.1	39.0	43.9	2.4	1.7	206	232	81	87	NE 5	ENE 2	10	10	0.005	Squally ☼ a. Dull day.
25	30.03	30.11	43.7	38.2	37.3	47.5	4.5	1.6	195	199	68	87	NE 4	NE 2	2	1	—	Beautiful day.
26	30.17	30.12	42.7	44.3	34.6	53.8	2.8	2.6	216	235	79	80	N 2	NNW 1	9	2	—	Cloudy a. Bright p.
27	29.94	29.90	42.7	48.3	39.0	52.6	3.3	0.6	272	324	77	96	W 4	WNW 2	10	10	0.095	Dull day. ☼ p.
28	77	56	51.9	49.7	47.3	56.8	1.5	4.0	346	263	90	73	SW 3	SW 4	10	10	0.095	Dull, with 0 a. Cloudy p.
29	40	29.42	45.6	43.5	42.8	53.1	1.6	0.5	269	271	88	96	W 3	W 1	10	10	0.110	☼ a. Dull and cloudy. 0 p.
30	29.25	28.96	47.2	42.4	42.0	51.0	1.5	1.6	289	288	90	89	SE 2	SE 4	10	10	0.145	Dull, with 0 a. Squally ☼ showers p.
Mean	29.735	29.734	45.1	42.8	37.4	50.4	2.8	2.0	244	237	80.7	84.4	3.0	2.1	7.9	6.9	1.805	—

SWANBISTER.—MAY 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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.	44°	43°	41°	47°	0°	0°	ins.	ins.	SE 5	SSW 1	10	10	ins.	● showers.
2	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SSE 5	S 3	3	4	0° 10	● showers.
3	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
4	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
5	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
6	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
7	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
8	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
9	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
10	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
11	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
12	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
13	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
14	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
15	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
16	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
17	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
18	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
19	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
20	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
21	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
22	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
23	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
24	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
25	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
26	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
27	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
28	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
29	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
30	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
31	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.
Mean	29° 08	29° 10	44°	43°	41°	47°	0°	0°	29° 08	29° 10	SE 1	WNW 4	5	10	2° 50	● showers.

DUNROBIN CASTLE.—MAY 1888.

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.

1	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull a. Fine p.
2	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Cold wind. ● showers.
3	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Cold wind.
4	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull, with cold wind.
5	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	● showers a. Blowy.
6	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull and mild.
7	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine, but with cool breeze.
8	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fair and mild.
9	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine and clear.
10	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine and clear.
11	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull, with cold wind.
12	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	● showers. Cold wind.
13	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	● showers.
14	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull and cold.
15	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull day.
16	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull a. ● Fine p.
17	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine a. Dull p.
18	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine a. ● showers p.
19	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Cloudy and mild.
20	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine and mild a. Cold p.
21	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine and mild.
22	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Cloudy and mild.
23	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull and mild.
24	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull and mild.
25	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Cold, with ●.
26	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine, but cold.
27	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Fine and dry, but with cold wind.
28	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	
29	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	
30	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	
31	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	Dull, with ● showers.
Mean	29° 14	29° 30	46°	46°	42°	52°	1°	1°	28°	27°	90	87	NW	NW	—	—	—	

BRAEMAR.—MAY 1888.

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.

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.	44°	43°	42°	50°	1°	1°	250	259	86	91	S	1	W	0°	8	8	ins.	● showers.	
2	28° 14	28° 18	39°	41°	36°	45°	1°	2°	214	220	89	84	SW	2	SW	4	9	4	300	● showers.	
3	27° 52	28° 47	43°	36°	36°	44°	2°	3°	232	209	82	96	NW	4	W	1	9	7	170	Dull, with ●. T	
4	28° 68	72	42°	38°	32°	47°	2°	0°	217	216	80	93	NW	2	SW	4	3	8	100	Cold, with ● showers.	
5	63	79	42°	39°	36°	44°	2°	1°	223	223	81	92	SW	2	SW	2	8	8	020	Cold, with ● showers.	
6	79	73	40°	50°	37°	56°	3°	1°	291	337	92	92	SW	4	SW	1	7	7	—	Fine day.	
7	67	64	55°	50°	49°	58°	3°	2°	348	317	79	87	SW	4	SW	4	7	9	050	Fine day.	
8	28° 68	28° 87	43°	37°	37°	51°	4°	3°	199	170	69	75	NW	2	SW	2	7	7	—	Fair, but cold.	
9	29° 01	29° 09	39°	41°	35°	48°	3°	2°	178	221	75	86	NW	0°	NW	0°	7	7	—	Fair, but cold.	
10	72	70	43°	43°	34°	53°	3°	3°	213	207	75	74	W	0°	N	1	6	5	—	Fair, but cold.	
11	79	75	42°	43°	32°	56°	5°	2°	210	221	65	78	N	2	N	0°	3	3	—	Fair, but cold.	
12	29° 10	29° 05	40°	44°	30°	58°	5°	3°	238	220	76	76	N	0°	SW	1	3	3	—	Fair, but cold.	
13	28° 74	28° 67	48°	37°	35°	53°	2°	1°	286	199	83	88	SW	2	NW	2	8	10	080	● showers.	
14	62	49	37°	39°	35°	53°	2°	2°	187	202	83	83	N	2	N	1	7	8	120	Dull and cold. Snow on hills.	
15	37	34	37°	41°	35°	46°	1°	2°	206	220	91	84	N	1	SW	0°	10	8	020	Dull and damp.	
16	36	18	49°	41°	37°	49°	4°	0°	244	250	69	95	SW	1	SE	0°	7	9	100	Dull and damp. T	
17	07	16	47°	46°	33°	53°	6°	1°	246	291	76	93	SW	2	SW	2	8	10	280	● 2 T	
18	09	45	48°	55°	45°	56°	3°	2°	270	362	80	81	SE	1	SE	1	0	8	510	Dull and sultry.	
19	50	28°	45°	56°	50°	71°	5°	3°	432	378	72	84	SE	0°	SE	SW	1	5	6	200	● 2
20	28° 67	29° 00	40°	49°	48°	59°	3°	3°	280	277	79	79	SW	2	SW	0°	9	3	—	Fine day.	
21	29° 19	28	50°	50°	34°	68°	9°	2°	233	304	51	82	SW	0°	E	0°	2	1	—	Fine day.	
22	29	31	58°	52°	35°	68°	11°	5°	263	265	46	73	E	0°	E	0°	5	2	—	Fine day.	
23	28	28	63°	50°	43°	68°	10°	4°	263	220	57	48	E	2	E	0°	1	1	—	Fine day.	
24	26	18	57°	50°	35°	66°	7°	10°	278	220	43	73	E	1	E	0°	2	8	—	Fine day.	
25	29° 08	29° 02	56°	40°	33°	58°	11°	3°	196	230	43	73	E	1	E	0°	2	8	—	Fine day.	
26	28° 88	28° 74	46°	44°	38°	55°	5°	4°	210	202	66	70	NE	1	W	0°	5	4	—	Fine day.	
27	59	59	41°	35°	35°	55°	2°	1°	220	190	84	90	SW	1	NW	0°	9	10	130	Snow on hills.	
28	68	74	42°	39°	30°	49°	5°	2°	174	191	65	80	NE	0°	N	0°	7	6	—	Dull and cold.	
29	71	48	41°	39°	27°	46°	3°	2°	187	190	72	78	SW	2	SE	2	8	10	1020	Dull and cold.	
30	02	09	49°	47°	39°	51°	5°	2°	310	278	88	86	SW	6	SW	2	10	7	180	● showers.	
31	28° 21	28° 48	47°	41°	41°	50°	3°	4°	237	186	74	72	SW	0°	W	6	8	5	—	● ✕	
Mean	28° 670	28° 694	47°	44°	37°	54°	4°	2°	244	243	73°	81°	1°	7	1°	4	6°	6°	3°	380	

DUNDEE.—MAY 1888.

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

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.	45°	47°	41°	53°	0°	1°	in.	in.	%	%	SE	1	W	1	10	10	ins.
2	28° 95	29° 05	45° 9	47° 6	41° 5	53° 2	0° 5	1° 4	29° 8	29° 5	97	90	SE	1	W	1	10	10	140
3	28° 92	28° 97	41° 9	44° 4	38° 7	49° 5	1° 8	1° 9	22° 8	25° 0	87	86	SE	2	NW	8	10	10	300
4	28° 92	29° 54	40° 7	42° 8	40° 4	51° 8	3° 0	3° 0	25° 1	21° 3	79	78	NW	6	SW	6	10	10	300
5	29° 77	79	47° 6	42° 8	36° 3	52° 0	5° 2	3° 1	21° 7	21° 2	66	77	W	6	W	6	5	5	300
6	73	89	48° 2	47° 4	40° 6	51° 8	5° 9	3° 3	21° 0	22° 5	63	76	NW	6	N	1	5	5	300
7	89	80	49° 2	52° 9	40° 5	62° 5	2° 9	2° 3	28° 1	33° 8	80	85	W	1	W	2	10	5	300
8	77	70	58° 5	54° 4	51° 5	60° 9	5° 3	2° 3	34° 1	35° 9	70	85	W	6	W	6	7	10	300
9	29° 76	29° 08	52° 3	42° 1	41° 8	55° 6	7° 0	4° 1	23° 1	18° 4	60	69	NW	8	NW	4	5	10	300
10	30° 10	30° 19	47° 3	44° 3	35° 0	53° 6	7° 2	2° 1	18° 1	24° 5	56	84	NW	6	NE	1	10	10	300
11	24	29	49° 3	41° 2	41° 1	55° 5	3° 7	2° 1	26° 5	21° 5	76	84	W	1	SE	1	5	5	300
12	30	26	51° 7	43° 0	31° 4	60° 4	5° 2	2° 0	25° 9	23° 4	68	84	SW	1	SE	1	5	5	300
13	30° 21	30° 09	54° 7	49° 1	36° 8	57° 9	5° 3	3° 6	29° 1	26° 5	68	76	SE	1	NW	1	7	0	300
14	29° 80	29° 72	51° 6	43° 9	41° 9	60° 4	4° 1	4° 4	28° 1	19° 8	74	69	W	2	NW	6	10	7	300
15	69	54	46° 4	43° 4	37° 7	50° 5	5° 1	3° 4	20° 8	21° 7	75	75	NW	6	SE	2	5	10	300
16	39	36	40° 6	43° 9	39° 2	46° 3	0° 6	0° 5	24° 0	27° 5	95	96	SE	1	NE	1	10	10	300
17	39	39	47° 1	43° 9	39° 2	49° 3	2° 5	0° 5	26° 5	27° 5	82	96	SE	1	E	2	10	10	300
18	44	47	53° 5	51° 3	46° 5	57° 3	3° 8	1° 5	30° 9	33° 9	76	90	S	1	SE	1	10	10	300
19	53	29° 49	54° 1	51° 4	47° 1	59° 5	1° 9	1° 4	36° 5	37° 9	87	90	SE	2	SE	1	10	10	300
20	29° 72	30° 06	54° 8	50° 0	46° 5	60° 5	3° 9	1° 6	32° 5	31° 9	76	89	W	2	NW	1	5	0	300
21	30° 35	37	61° 6	44° 9	41° 6	64° 2	5° 9	1° 4	36° 0	26° 5	68	90	W	1	SE	1	5	0	300
22	38	39	59° 3	47° 4	40° 2	61° 6	5° 4	0° 9	34° 9	30° 5	70	94	SE	2	SE	1	7	10	300
23	38	38	53° 9	47° 5	43° 7	60° 6	3° 0	1° 7	33° 3	28° 7	80	89	SE	1	NE	1	10	5	300
24	34	27	54° 7	46° 0	40° 4	57° 9	4° 7	1° 3	30° 4	28° 0	71	91	SE	2	SE	1	0	10	300
25	30° 34	30° 08	56° 2	47° 7	44° 7	60° 9	4° 8	2° 0	32° 3	28° 2	71	86	SE	1	SW	1	5	5	300
26	29° 97	29° 83	49° 9	43° 7	40° 4	54° 6	4° 2	2° 7	26° 0	22° 7	73	79	NW	1	SE	2	10	10	300
27	64	65	46° 0	41° 1	40° 8	46° 4	3° 8	2° 6	22° 9	20° 5	74	80	SE	2	NE	6	10	10	300
28	71	81	45° 5	37° 9	37° 6	53° 8	3° 7	1° 3	22° 5	20° 2	75	89	E	1	NE	2	5	5	300
29	81	56	45° 6	42° 6	35° 9	46° 7	4° 1	1° 2	21° 9	24° 7	72	90	SE	4	SE	10	10	10	300
30	13	17	51° 7	50° 7	42° 2	57° 6	2° 2	2° 1	32° 7	31° 6	85	87	SW	6	SW	6	10	10	300
31	29° 26	29° 59	51° 5	46° 3	45° 0	57° 8	3° 5	3° 8	29° 3	23° 2	77	74	W	6	NW	6	10	5	300
Mean	29° 741	29° 763	50° 6	45° 9	41° 0	55° 8	4° 0	2° 2	277	262	74° 9	84° 1	2° 9		2° 9	7° 8	7° 2	1° 760	

GLASGOW.—MAY 1888.

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. $55^{\circ} 53' N.$

[illegible]

WOLFELEE.—MAY 1888.

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.

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.	50°	41°	41°	55°	2°	1°	in.	in.	225	83	88	S	SW	—	—	ins. 080	● showers.
2	28° 49	28° 72	43°	43°	34°	56°	1°	2°	249	225	88	81	SW	SW	—	—	670	Blow, with ● a. Dull p.	
3	28° 57	29° 14	46°	41°	37°	53°	2°	2°	255	206	83	81	W	W	—	—	—	Blow a.	
4	29° 36	42	45°	40°	32°	48°	4°	1°	210	217	69	88	W	W	—	—	—	Clear and blowy.	
5	36	49	45°	43°	35°	54°	3°	2°	229	234	75	84	NW	W	—	—	070	Dull and blowy a. Clear and blowy p.	
6	47	44	48°	52°	40°	51°	1°	1°	309	348	93	90	SW	SW	—	—	—	Blow a. Fine p.	
7	42	34	52°	52°	46°	59°	2°	2°	335	323	86	83	SW	SW	—	—	—	Blow.	
8	38	55	51°	39°	48°	57°	5°	2°	250	190	66	81	NW	NW	—	—	—	Fine and blowy a. Clear, with cold	
9	64	69	47°	41°	31°	57°	2°	3°	264	189	83	74	W	NE	—	—	—	Fine, bright, and clear. [wind p.	
10	72	78	47°	42°	28°	55°	5°	3°	206	199	64	75	E	E	—	—	—	Fine, bright, and clear.	
11	81	75	47°	42°	32°	56°	5°	3°	214	211	67	78	NW	SW	—	—	—	Fine and clear.	
12	75	67	52°	46°	32°	68°	6°	2°	242	255	61	83	W	SW	—	—	—	Very fine and clear.	
13	45	27	41°	46°	33°	69°	1°	3°	221	240	88	80	NW	W	—	—	—	Clear and blowy a. Fine p.	
14	29° 11	29° 11	41°	40°	34°	59°	1°	1°	235	231	92	92	W	W	—	—	—	Blow a. Fine day.	
15	28° 03	28° 01	44°	44°	34°	55°	2°	2°	244	244	84	84	WSW	W	—	—	—	●, Fine and calm p.	
16	79	70	50°	50°	31°	55°	1°	1°	328	322	89	90	SE	S	—	—	120	● p.	
17	72	28° 50	53°	50°	44°	59°	2°	3°	341	286	87	80	W	S	—	—	040	Fine and blowy a. ● showers. Fine	
18	28° 08	29° 03	54°	50°	42°	63°	4°	2°	306	436	72	88	S	SW	—	—	200	Dull and mild a. Blowy p. [p.	
19	29° 04	04	66°	57°	52°	70°	4°	2°	496	407	78	87	N	SW	—	—	020	Distant K.	
20	31	59	56°	48°	56°	78°	2°	1°	378	297	84	90	SW	SW	—	—	—	Blow a. Fine and clear.	
21	77	82	61°	47°	33°	63°	6°	1°	365	304	67	93	N	SW	—	—	—	Fine, bright, and clear.	
22	87	87	52°	49°	32°	71°	4°	1°	277	310	72	90	NE	NE	—	—	—	Cloudy a. Fine and clear p.	
23	87	85	51°	51°	44°	55°	3°	2°	305	323	80	86	NE	NE	—	—	—	Fine and clear.	
24	84	76	54°	46°	32°	72°	5°	2°	258	255	69	83	NE	NE	—	—	—	Fine, bright, and clear.	
25	66	60	54°	44°	38°	60°	3°	2°	322	244	77	84	N	NE	—	—	—	Dull a. Fine p.	
26	50	34	45°	46°	38°	63°	3°	2°	233	265	78	86	E	S	—	—	—	Dull a. Fine p.	
27	14	13	51°	42°	34°	56°	4°	1°	276	235	74	89	SW	E	—	—	070	Dull a. ● p.	
28	22	31	43°	37°	37°	56°	2°	2°	229	174	80	79	NE	SE	—	—	—	Dull and cold a. Clear and cold p.	
29	29° 31	29° 05	45°	44°	26°	52°	4°	1°	210	265	69	92	S	W	—	—	600	Dull and cold a. Stormy, with ● p.	
30	28° 73	28° 85	52°	47°	41°	53°	1°	2°	361	281	93	86	SW	W	—	—	200	(gale) during day.	
31	28° 03	29° 23	48°	43°	42°	56°	2°	4°	274	197	83	71	W	W	—	—	030	Blow, with ● showers a. Cold and [blow p.	
Mean	29° 297	29° 319	49° 6	45° 6	37° 5	59° 4	3° 3	2° 2	282	263	78° 5	84° 4	—	—	—	—	2° 100		

SCARBOROUGH.—MAY 1888.

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.

1	29° 09'	29° 26'	50° 9'	46° 5'	44° 0'	58° 1'	2° 4'	2° 2'	312	266	84	85	SE	6	W	6	9	4	—	Brilliant day.
2	29° 48'	29° 47'	44° 7'	38° 5'	53° 3'	3° 2'	2° 3'	253	244	78	83	SW	4	SW	6	7	0	0° 40	Brilliant day.	
3	29° 50'	29° 57'	45° 7'	41° 7'	41° 0'	52° 1'	2° 5'	1° 3'	250	237	82	90	SW	8	SW	5	8	0	—	Brilliant afternoon.
4	29° 58'	29° 59'	49° 6'	44° 9'	38° 0'	55° 3'	7° 7'	4° 0'	193	214	55	72	SW	4	SW	3	4	2	—	Brilliant day.
5	29° 52'	30° 04'	47° 9'	45° 2'	38° 6'	53° 3'	3° 5'	3° 3'	251	229	76	76	SW	7	SW	2	8	2	0° 20	—
6	30° 02'	30° 01'	52° 1'	53° 6'	44° 0'	62° 8'	2° 8'	0° 8'	319	389	81	95	SW	2	NW	5	8	4	—	Brilliant day.
7	29° 51'	29° 03'	60° 4'	57° 6'	51° 0'	60° 3'	4° 3'	2° 3'	394	407	75	85	W	6	SW	1	3	1	—	Brilliant and hot.
8	29° 50'	30° 04'	55° 6'	47° 0'	46° 8'	63° 0'	2° 1'	6° 2'	382	194	86	60	SW	3	W	1	9	0	—	Brilliant.
9	30° 13'	29° 19'	46° 8'	42° 2'	38° 0'	49° 1'	5° 8'	4° 5'	199	182	62	69	NW	4	SW	1	3	5	—	Brilliant, but with cold wind.
10	29° 23'	29° 49° 2'	40° 7'	34° 0'	49° 2'	4° 8'	1° 3'	238	225	68	89	NE	3	NE	1	1	0	—	Brilliant, but with cold wind.	
11	29° 29'	29° 48° 0'	41° 9'	36° 4'	50° 5'	5° 6'	1° 8'	213	228	64	87	N	3	SW	1	1	0	—	Brilliant, but with cold wind.	
12	30° 26'	30° 12'	51° 6'	44° 7'	35° 0'	54° 8'	5° 4'	1° 6'	253	259	67	88	SW	1	NW	1	0	0	—	Brilliant, but with cold wind. ⊕ sp.
13	29° 58'	29° 71'	55° 6'	49° 1'	39° 0'	64° 1'	6° 8'	4° 1'	271	252	61	73	W	5	W	4	2	4	0° 30	—
14	29° 58'	29° 62	46° 4'	42° 9'	39° 0'	50° 3'	4° 5'	3° 7'	218	202	70	73	NW	4	NW	1	5	10	—	Fine, but with cold wind.
15	29° 50'	29° 44	48° 0'	45° 7'	39° 0'	58° 4'	3° 2'	237	244	71	80	SW	2	S	3	10	4	—	—	
16	29° 35'	29° 25	47° 6'	52° 3'	41° 0'	54° 0'	1° 4'	0° 5'	205	379	99	97	E	3	S	1	5	10	0° 70	Fine a. ⊕ ga. ● p. [✓]
17	29° 30'	29° 34	50° 6'	55° 8'	47° 8'	57° 8'	4° 5'	1° 0'	334	416	73	93	SW	6	SW	5	5	10	1° 20	Bright a. Overcast, with ● from 11 a.
18	29° 53'	29° 60	57° 6'	50° 9'	50° 8'	66° 2'	0° 9'	0° 6'	447	337	94	95	SW	4	S	1	10	3	0° 20	● a. Brilliant afternoon.
19	29° 55'	29° 53	55° 6'	62° 6'	47° 8'	64° 6'	2° 8'	2° 3'	364	487	83	86	SE	1	SE	5	6	0	0° 50	Brilliant and warm.
20	29° 54'	29° 50	58° 1'	54° 4'	48° 5'	65° 3'	5° 3'	4° 4'	335	307	70	72	W	5	W	2	2	0	—	Brilliant day.
21	30° 24'	30° 31	56° 1'	49° 6'	48° 5'	60° 0'	5° 8'	1° 3'	307	322	67	91	W	4	SE	2	0	0	—	Brilliant day.
22	29° 30'	29° 33	46° 7'	45° 7'	45° 0'	50° 3'	0° 3'	0° 1'	312	305	98	99	NE	4	NE	2	10	10	—	Sea 3/4
23	29° 35'	29° 30	49° 6'	46° 7'	42° 7'	52° 3'	2° 3'	0° 3'	298	312	84	98	N	4	N	3	3	0	—	Very fine. 3/4 later.
24	29° 27'	29° 23	51° 4'	45° 3'	42° 8'	52° 1'	2° 8'	0° 9'	307	260	82	93	NW	5	NW	4	2	10	—	Brilliant a. Dull, with 3/4 p.
25	30° 14'	30° 04	45° 7'	46° 2'	41° 0'	48° 3'	1° 9'	1° 8'	264	271	87	88	NW	5	N	3	5	8	—	Fine, but with cold wind.
26	29° 07'	29° 58	45° 2'	42° 1'	41° 5'	38° 8'	2° 0'	1° 1'	256	244	85	91	N	4	E	2	8	4	—	Fine day.
27	29° 05'	29° 54	52° 8'	46° 2'	38° 0'	66° 3'	3° 5'	0° 3'	308	236	77	98	E	2	N	3	3	10	0° 30	Fine day.
28	29° 05'	29° 41	43° 1'	42° 1'	40° 0'	48° 8'	0° 2'	2° 7'	274	213	98	80	N	3	N	3	10	4	—	Fine afternoon.
29	29° 05'	29° 47	47° 1'	45° 7'	40° 0'	50° 1'	4° 0'	1° 3'	333	277	73	91	NE	3	NE	3	7	10	360	Fine day.
30	29° 34'	29° 46	58° 8'	52° 0'	44° 5'	61° 8'	4° 1'	2° 0'	374	312	76	81	SW	4	W	4	5	3	0° 40	● showers a. Brilliant afternoon.
31	29° 47'	29° 73	53° 4'	47° 8'	45° 3'	58° 3'	4° 1'	6° 5'	302	199	74	61	W	6	NW	6	7	4	—	Fine day.
Mean	29° 51'	29° 53	51° 0'	47° 5'	42° 2'	56° 4'	3° 6'	2° 5'	290	282	77° 1'	84° 5'	4° 0'		2° 8'	5° 4'	3° 9'	0° 77° 0'		

CRONKBORNE (DOUGLAS), ISLE OF MAN.—MAY 1888.

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.

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.	45.5	45.2	42.4	52.0	0.2	3.0	in.	9/100	217	99	78	SSE 4-5	W 5-6	10	2	ins. (mist) a. Dull day, squally
2	29.87	29.47	45.5	45.2	42.4	52.0	0.2	3.0	300	217	99	78	SSW 7	SW 6-7	10	8	329 Squally a. p. [p.	
3	29.13	29.20	46.0	44.2	43.2	52.0	0.4	0.2	301	281	97	97	WNW 6-7	NW 2	7	4	280 Squally a. 2 Δ T 9p.	
4	29.75	29.75	47.0	43.2	38.0	51.5	3.2	0.2	249	226	78	98	WSW 4	WNW 3	8	10	— Fine day.	
5	29.96	30.01	47.4	44.3	36.5	50.8	5.0	2.3	218	241	67	82	W 5	WNW 2	8	10	021 Squally a. Cloudy.	
6	30.00	30.05	48.8	48.8	42.0	52.0	2.8	2.8	278	278	80	80	W 3	SW 2	9	10	— (mist) a. Dull day.	
7	30.01	30.02	52.0	50.2	45.5	58.6	0.4	0.4	377	353	97	98	SW 2	SW 4	8	8	— Cloudy.	
8	30.00	29.96	54.0	48.0	48.0	55.6	1.8	0.0	366	335	87	100	SW 2	SW 4	8	8	— Cloudy, with squally a. Fine p.	
9	30.15	30.15	55.0	42.8	42.8	55.8	3.7	3.0	332	213	77	78	NW 6	NNW 4	9	2	— Fine day.	
10	30.24	30.24	46.4	42.5	36.2	53.3	4.0	2.3	229	224	73	83	NW 3	WNW 2	4	9	— (mist) a. Very fine.	
11	30.22	30.22	49.9	42.6	33.8	55.9	4.5	1.8	254	234	71	86	E 3	NW 1	0	3	— (mist) a. Very fine.	
12	30.32	30.32	52.1	45.0	36.0	58.7	3.7	2.0	295	253	76	85	SE 2	NNW 3	0	3	— (mist) a. Very fine.	
13	30.30	30.29	51.0	43.8	43.4	56.0	2.8	2.8	304	238	81	83	NW 5	NNW 2	8	3	— a. Very fine. Squally p.	
14	29.79	29.79	49.8	43.7	40.8	52.2	6.0	2.5	224	231	63	80	N	Calm	0	7	019 a. Cloudy.	
15	29.42	29.42	48.7	44.0	42.8	49.8	7.0	1.2	199	218	98	98	SSW 7	SE 2	9	3	130 Squally a. Dull day.	
16	29.30	29.30	45.0	42.2	36.8	53.2	0.2	0.3	294	218	98	98	SE 4	ESE 2	10	10	294 (mist) a. Dull, with showers.	
17	29.20	29.20	50.0	48.0	45.9	53.9	1.2	0.2	329	330	92	99	S 4-5	SSW 4-5	10	10	161 Dull a. Fine, with squally p. n.	
18	29.42	29.42	49.0	45.6	45.7	59.0	0.7	1.8	345	399	99	88	ESE 4	ESE 3	10	7	102 (mist) a. Dull, with showers.	
19	29.86	29.86	53.6	47.2	44.3	58.7	3.4	1.2	320	295	77	92	W 5	Calm	0	3	003 (mist) a. Dull day. T [showers.	
20	30.31	30.31	49.9	48.0	42.0	59.9	0.8	0.5	338	322	95	97	SE 2	Calm	0	10	— Fine day.	
21	30.33	30.33	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— (mist) all day. D p.	
22	30.35	30.35	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
23	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
24	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
25	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
26	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
27	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
28	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
29	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
30	30.31	30.31	50.6	46.0	40.8	64.0	10.3	2.4	254	344	49	83	E 3	NE 2	0	1	— Very fine.	
31	29.88	29.90	52.4	45.8	45.6	54.5	3.7	3.8	299	227	76	74	W 6-7	NW 4	7	6	021 Squally a. showers. Double	
Mean	29.812	29.847	51.6	47.2	42.4	56.5	3.2	1.8	305	285	80.0	87.0	4.0	2.8	6.4	5.4	2.190	

STONKHURST.—MAY 1888.

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.

1	28.76	29.18	51.6	44.3	43.8	52.5	4.7	3.6	269	216	71	73	SSE 6	WSW 5	10	8	115 Overcast, with showers. Squally p.
2	29.18	29.07	43.0	43.0	36.2	53.1	2.6	2.7	223	221	80	80	SSE 4	swb.s 3	10	10	185 Overcast.
3	29.16	29.16	43.8	40.9	40.0	48.8	2.9	1.6	224	222	77	87	WSW 7	swb.w 1	10	10	095 Squally a. [p. T 2p.
4	29.74	29.74	47.0	43.9	38.2	50.0	4.3	3.1	227	221	71	77	WbyS 2	WSW 2	4	9	Fine and sunny.
5	29.79	29.79	46.4	40.0	38.4	49.7	5.1	1.8	246	269	79	87	WSW 4	WSW 2	8	10	018 Overcast.
6	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
7	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
8	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
9	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
10	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
11	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
12	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
13	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
14	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
15	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
16	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
17	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
18	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
19	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
20	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
21	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
22	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
23	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
24	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
25	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
26	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
27	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
28	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
29	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
30	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
31	29.83	29.83	48.5	42.4	44.3	56.8	1.1	1.0	311	366	92	93	swb.w 1	WSW 1	10	10	017 Overcast.
Mean	29.611	29.635	51.4	45.3	42.4	57.6	4.0	3.8	274	263	71.5	75.0	2.4	1.5	7.3	7.3	0.025

HILLINGTON.—MAY 1888.

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.

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.	54.8	48.0	47.0	59.6	5.6	4.3	280	238	67	71	SW 4	SW 5	8	2	ins. Blustering. ● noon—5p.
2	29.70	29.55	49.5	44.5	38.0	54.2	4.8	2.8	243	235	69	79	SW 5	SW 3	8	0	062 Much cir. ▲ ● 1p. and 4p.
3	29.56	29.86	48.6	42.2	30.8	48.9	4.9	2.5	232	217	68	82	SW 5	SW 3	8	0	082
4	30.01	30.11	48.5	45.0	39.5	50.9	3.8	2.2	253	250	74	84	SW 4	W 1	6	8	—
5	30.15	30.23	51.0	46.0	34.2	55.5	2.8	2.2	303	260	81	85	W 4	W 1	5	0	— Cold wind.
6	30.16	30.11	53.8	50.0	37.3	60.4	4.1	1.3	307	245	74	91	SW 3	SW 1	8	10	—
7	30.10	30.07	63.5	59.0	49.5	70.5	3.9	2.1	444	386	78	85	SW 2	W 2	6	0	— Warm breeze.
8	30.04	30.12	59.9	49.0	46.7	63.4	3.6	4.4	406	246	79	71	W 3	WNW 2	8	0	— Overcast, with ☁ showers a. Fine p.
9	30.23	30.27	49.8	37.1	37.1	55.5	7.1	2.5	205	174	58	79	N 1	NE 1	3	3	— Very fine and sunny.
10	30.29	30.36	53.7	37.9	30.0	57.4	7.1	1.1	243	206	58	90	NE 1	E 0.5	3	0	— a. Very fine and sunny. D 0.9p.
11	30.39	30.36	47.0	39.0	29.2	55.5	4.4	1.2	225	214	71	90	NNE 2	NE 1	9	0	— a. Fine p. D 9p.
12	30.35	30.24	54.0	46.9	31.8	64.4	5.2	0.9	285	209	68	94	N 2	SE 2	2	0	— a. Very fine and sunny. ∞ D-p.
13	30.06	29.83	53.6	49.1	32.8	66.4	1.9	3.3	358	270	87	78	W 2	NW 4	4	1	— Very fine and sunny. Much cir. p.
14	29.76	29.72	48.2	42.0	37.0	53.1	4.6	1.3	232	195	70	89	N 1	E 1	5	10	018 Cir. p.
15	29.62	29.54	50.7	42.7	34.2	58.4	5.3	3.0	246	213	67	78	SW 3	SE 4	5	0	— ∞ 6p. Cir. p.
16	29.47	29.41	62.2	51.1	40.9	69.6	5.4	0.4	391	365	79	97	SE 3	SW 3	10	6	252 Overcast from 11a. ● 2p.—7p.
17	29.48	29.53	54.4	57.6	49.8	61.3	1.5	1.8	379	421	90	88	SW 3	SW 6	10	10	117 [D 9p.
18	29.69	29.66	61.7	59.9	55.5	68.2	2.1	2.5	479	437	88	85	SSW 2	SE 3	10	2	028 Overcast a. Fine, with much cir. p.
19	29.61	29.67	71.7	62.0	55.4	77.2	5.2	6.6	437	73	79	S 0.5	S 1	10	7	— Cir. p.	
20	29.98	29.19	58.9	51.8	49.0	66.1	7.6	2.2	295	328	59	85	NW 6	W 0.5	2	1	— a. Very fine and sunny. D p.
21	30.31	30.34	62.9	47.9	40.0	66.2	8.0	2.7	336	269	59	81	NE 1	NE 2	1	1	— Magnificent day. D 0 p.
22	30.31	30.33	47.9	44.9	41.7	52.1	0.5	1.0	321	274	97	92	N 3	NE 1	10	0	— Overcast a. and p. D p.
23	30.36	30.33	60.0	46.0	42.9	67.1	8.3	3.2	293	239	57	78	NE 4	NE 2	1	0	— Very fine and sunny.
24	29.28	29.24	55.3	45.0	43.4	60.5	4.5	0.9	317	278	72	93	NE 2	NE 4	0	10	— Very fine and sunny a. Cloudy and Overcast and chilly. [cold p. D
25	29.19	29.10	46.0	45.1	42.5	53.2	2.3	2.4	258	246	84	82	NE 3	NE 3	10	10	— Overcast and gloomy till 2p., then fine. [D 0 p.
26	30.02	29.04	47.3	38.6	38.6	53.7	4.4	1.2	228	210	71	99	NE 4	E 0.5	10	0	—
27	29.79	29.61	55.0	49.6	30.8	64.4	6.4	3.8	271	204	63	75	SW 4	S 2	1	8	010 — a. ∞ at times.
28	29.66	29.80	50.0	44.6	44.0	52.1	2.6	2.1	296	248	82	84	NE 3	NE 3	10	10	— Overcast all day.
29	29.90	29.79	49.9	47.3	43.7	62.1	4.4	2.7	256	263	72	81	NE 3	SE 4	8	10	250 Cloudy. Fine later.
30	29.55	29.63	58.0	53.1	46.9	63.6	4.3	5.3	358	272	75	68	SW 4	SW 5	7	8	— D 2 n. Blustering.
31	29.73	29.89	53.9	49.8	43.9	62.8	6.3	5.1	261	240	63	68	WSW 6	WNW 3	8	4	— Cloudy and windy. Much cir. p.
Mean	29.936	29.948	54.2	47.5	41.1	60.7	4.6	2.5	309	278	72.4	83.0	3.1	2.4	6.5	3.9	0.819

CARMARTHEN.—MAY 1888.

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.

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.	47.2	39.9	39.4	52.8	0.4	1.4	in.	in.	93	89	SW	7	Calm	0	ins.	n. and a.				
2	29.35	29.38	46.8	43.9	39.1	54.7	0.1	3.4	316	216	99	75	S	6	SW	6	10	4	Squally all day.			
3	29.67	29.87	48.3	42.4	42.0	53.1	4.9	2.9	229	211	65	79	W	6	W	1	8	0	—	Fine, with s.		
4	29.98	30.07	55.3	42.4	39.1	56.3	9.3	2.2	221	225	51	83	W	1	Calm	0	6	0	—	Fine and windy.		
5	30.10	30.11	51.7	46.2	36.8	55.3	6.6	0.5	232	301	61	97	NW	2	SW	2	8	10	10	110	Fine day.	
6	30.07	30.07	49.7	48.1	45.6	52.7	0.1	0.2	355	331	99	98	Calm	0	SW	1	10	10	10	010	all day.	
7	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
8	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
9	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
10	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
11	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
12	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
13	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
14	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
15	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
16	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
17	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
18	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
19	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
20	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
21	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
22	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
23	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
24	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
25	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
26	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
27	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
28	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
29	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
30	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
31	30.10	30.10	47.8	48.0	47.0	51.4	0.2	0.2	328	330	98	99	SW	2	SW	1	10	10	10	020	Dull, with s.	
Mean	29.805	29.827	50.2	47.8	43.2	60.3	5.3	2.2	316	283	71.1	85.0	2.8	1.5	6.5	3.3	2.100					

MARGATE.—MAY 1888.

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.

1	29°37	29°64	54°3	47°1	46°0	58°7	4°7	2°3	209	71	84	S	5	SW	5	6	6	—	all day.	
2	29°85	29°63	50°6	47°1	45°8	53°6	0°7	1°9	351	95	80	SW	5	SW	5	9	7	110	all day.	
3	29°82	29°07	47°8	43°9	42°9	53°6	1°0	2°4	307	234	93	82	SW	5	SW	5	7	0	Very fine.	
4	30°09	30°18	49°6	42°7	39°6	55°0	5°6	1°6	230	230	65	87	W	2	SW	2	7	0	Fine day.	
5	29°20	29°24	52°1	48°2	39°1	56°5	8°1	3°0	209	266	51	79	SW	2	SW	2	3	10	Very fine.	
6	29°26	29°21	51°9	52°9	39°1	52°1	5°6	2°1	253	344	66	86	WSW	2	WSW	2	9	10	Fine day.	
7	29°19	29°14	58°8	52°9	49°1	67°2	4°5	2°1	365	344	74	86	W	2	SW	2	2	0	Very fine.	
8	29°11	29°13	56°1	57°3	44°1	68°0	2°8	4°1	375	353	82	75	SW	3	SW	3	9	8	Very fine.	
9	29°24	29°29	49°7	42°5	42°1	58°5	7°5	3°4	197	203	55	76	N	1	ENE	1	0	0	Fine and very warm.	
10	29°30	29°33	46°1	42°1	36°0	49°0	5°9	2°1	192	224	62	84	NE	2	NE	2	10	1	Fine day, but cooler.	
11	29°38	29°36	46°4	40°7	40°1	47°8	5°9	2°7	194	200	62	79	N	3	NE	3	1	0	β a.	
12	29°37	29°23	48°3	41°0	37°0	50°0	4°1	2°0	244	216	72	84	N	2	Calm	0	4	0	Fine day.	
13	30°11	30°15	56°8	51°4	36°3	67°3	6°0	4°6	303	267	65	71	W	2	Calm	0	1	0	α. Very fine.	
14	29°76	29°74	49°7	43°1	41°1	54°3	4°6	2°3	250	219	71	83	NNW	3	NNE	3	9	0	Very fine.	
15	29°67	29°60	48°0	46°5	38°8	51°0	6°1	2°5	214	258	62	83	SE	2	ESE	1	1	0	Very fine.	
16	29°51	29°52	67°0	50°5	41°1	65°1	4°0	1°1	302	338	75	93	SW	3	SW	2	5	4	Sunny, but cool.	
17	29°58	29°57	56°8	59°0	47°1	65°0	3°6	4°2	358	374	77	75	SSW	5	SW	2	10	8	α. and in afternoon. Dull day.	
18	29°72	29°68	61°0	63°0	53°1	66°0	4°2	5°7	404	394	76	69	S	2	E	2	10	4	110	
19	29°64	29°77	64°0	51°9	51°1	74°2	5°0	1°6	430	343	72	89	SSE	3	SW	4	10	10	060	
20	30°06	30°23	56°1	52°3	48°1	65°0	6°1	2°4	292	329	65	83	W	2	W	2	6	0	showers. Very hot.	
21	29°32	29°33	56°9	48°9	47°1	63°0	5°8	2°1	309	294	67	86	N	2	NE	1	0	0	Cooler.	
22	29°27	29°24	48°0	49°1	47°2	52°0	1°0	1°6	309	308	93	89	N	2	N	1	10	0	Fine day.	
23	29°27	29°26	53°0	49°9	48°5	55°5	4°2	4°5	295	254	73	71	E	3	E	3	10	0	Fine day.	
24	29°25	29°20	46°8	46°0	45°1	52°6	5°0	1°0	214	256	67	93	N	3	N	3	10	10	Very fine.	
25	29°14	29°08	48°1	45°8	45°0	51°6	3°9	2°8	246	245	73	80	N	2	NE	3	9	10	Very fine, but cool.	
26	30°01	29°97	46°2	46°0	45°1	50°7	3°4	3°0	238	243	77	79	N	2	NE	2	10	10	Dull and dry.	
27	29°84	29°68	50°2	46°0	40°1	55°8	5°0	2°1	246	262	68	85	N	1	SE	1	8	0	α. Very fine.	
28	29°63	29°78	50°3	48°5	42°0	56°8	5°5	2°1	306	287	68	85	SE	1	N	3	5	10		
29	29°88	29°84	49°7	47°7	46°2	51°2	3°6	0°7	270	312	77	95	NNE	3	E	3	10	10	110	
30	29°66	29°75	50°0	50°7	47°1	62°0	3°2	2°4	358	308	80	84	SSW	5	S	4	8	2	Dull day.	
31	29°83	29°98	56°0	55°0	44°7	63°6	7°4	6°2	263	275	58	64	SW	4	W	3	6	6	α. Fine day.	
Mean	29°979	29°980	52°6	48°7	43°8	58°2	4°6	2°7	283	283	71°5	82°1	2°7	2°3	6°3	4°1	0°700			Fine day.

SOUTHAMPTON.—MAY 1888.

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.

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.	52.0	47.4	40.2	55.3	2.8	5.7	in.	in.	81	75	SW	6.5	WSW	3.5	10	0	ins.	—	Fine day. ☁
2	20.34	20.73	52.0	47.4	40.2	55.3	2.8	5.7	.315	.243	81	75	SW	6.5	WSW	3.5	10	0	—	—	☁ 11a.—4p. ☁ 2 shower Sp.
3	.80	20.68	50.6	44.6	41.4	51.8	5.6	1.1	.280	.270	76	92	SW	5.5	SW	4	10	1	.438	—	☁ 2 ☁ 10a. Beautiful day, with ☁
3	20.82	30.03	49.8	46.3	41.0	57.6	5.1	3.6	.242	.235	68	75	SW	5	SW	3	9	0	.046	—	☁ 2 ☁ 10a. Beautiful day, with ☁
4	50.12	.20	47.6	45.8	42.0	56.5	2.8	2.1	.265	.261	81	85	SW	1	SW	1	10	0	.003	—	Beautifully fine and pleasant, with ☁
5	.25	.28	55.8	48.6	38.1	61.2	5.5	5.5	.303	.260	68	76	NW	2	NW	1.5	3	9	—	—	Beautiful day throughout.
6	.27	.23	51.5	51.1	42.4	54.9	2.5	1.0	.316	.350	83	93	SW	2.5	SSW	2.5	10	10	—	—	Beautiful day throughout.
7	.23	.19	56.7	50.2	47.9	65.2	2.1	1.0	.398	.337	87	93	SW	2	SW	1	10	0	—	—	Beautiful day. ☁
8	.17	.17	61.8	56.9	47.0	71.9	3.8	2.4	.429	.392	78	85	SW	2	NW	3	9	4	—	—	Beautifully fine and warm.
9	.28	.25	55.7	50.8	44.0	64.1	7.1	4.8	.268	.257	60	69	NE	2	NE	0.5	3	1	—	—	Beautiful day.
10	.29	.31	49.5	44.9	44.8	54.9	6.5	2.0	.212	.234	60	79	SE	2.5	SE	1	10	1	—	—	Dull and cool.
11	.40	.37	54.8	45.4	35.5	60.6	7.1	2.4	.256	.249	61	83	NE	2	SW	1	0	0	—	—	Beautiful day.
12	.37	30.30	54.6	46.1	35.2	61.6	6.0	2.4	.276	.258	65	83	ESE	1	Calm	0	0	0	—	—	Beautiful day. ☁
13	30.17	29.90	57.7	53.6	37.2	60.5	6.0	4.4	.314	.297	66	72	SW	1	NW	2	0	0	—	—	Beautiful day throughout.
14	29.81	.71	54.5	50.1	41.0	60.1	7.0	4.3	.254	.260	60	72	NW	3	NE	0.5	5	8	—	—	Beautiful day.
15	.62	.50	54.0	49.6	44.7	58.2	6.6	2.7	.256	.289	61	82	SE	4	SE	1.5	5	1	—	—	Beautiful day, but with cold wind.
16	.47	.44	55.7	54.2	41.5	58.1	3.0	3.0	.361	.337	81	80	SW	2.5	SW	4	10	10	.568	—	☁ 2 from 9.30p.
17	.49	.58	52.2	54.2	49.9	56.2	0.6	0.3	.374	.412	96	98	SW	5.5	SW	6	10	10	.830	—	☁ all day.
18	.68	.60	56.8	59.8	52.7	69.4	0.1	3.2	.459	.414	99	81	SE	3	S	3	10	8	—	—	Beautiful day. ☁ in W. from Sp.
19	29.59	29.79	62.1	52.2	52.0	65.7	4.1	2.5	.426	.326	76	83	SE	3	WNW	2	10	8	.003	—	Fine and warm.
20	30.11	30.27	61.2	53.3	47.0	64.6	8.2	1.8	.309	.357	57	88	W	3	SW	1	5	0	—	—	Beautiful day. ☁
21	.36	.32	56.0	55.0	44.4	68.7	3.5	4.3	.353	.318	78	74	NNE	1	NE	1	10	2	—	—	☁ 9a. Beautiful day.
22	.31	.26	62.5	53.3	45.2	67.3	7.9	2.1	.332	.348	58	85	NE	3	NE	3	0	0	—	—	Beautiful a. Dull, with cold wind p.
23	.27	.25	63.7	55.6	46.0	71.4	8.0	6.5	.348	.278	59	63	NE	3	NE	3	2	0	—	—	Beautiful day, but with cool wind.
24	.25	.18	64.0	56.6	44.2	71.5	8.4	5.5	.342	.311	57	68	NE	2.5	NE	2	1	0	—	—	Beautiful day.
25	.16	30.07	56.5	53.0	45.1	67.1	6.3	4.3	.293	.292	64	73	NE	3	NE	2	0	0	—	—	Beautiful day.
26	30.05	29.96	54.6	48.8	40.5	64.2	5.3	2.8	.290	.278	69	80	NE	2	SW	2	9	1	—	—	Beautiful day. Evening cool.
27	29.84	.66	55.0	47.2	40.0	57.7	5.3	1.8	.295	.283	69	88	SE	3	SE	1	1	1	—	—	Beautiful day, but cool. ☁
28	.64	.75	56.0	52.2	42.9	63.9	5.9	2.1	.303	.335	67	86	E	2	NE	3	10	10	.025	—	☁ 3.15p.—4.45p.
29	.87	.75	57.4	51.3	46.0	58.4	4.9	1.9	.335	.329	71	87	SE	3	SE	4.5	9	10	.280	—	Fine and pleasant, but cool.
30	.66	29.78	54.5	51.8	50.9	62.2	1.7	2.6	.376	.318	89	82	SW	3	SW	3	10	3	—	—	Fine from 11a.
31	29.89	30.04	56.8	52.8	47.7	60.1	6.4	5.1	.294	.274	64	69	SW	3	WNW	2	10	8	—	—	Beautiful day, but evening cool.
Mean	29.986	29.985	55.9	51.1	44.0	62.4	5.0	3.0	.319	.303	71.3	80.6	2.9	2.2	6.5	3.7	2.193				

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

LONDONDERRY.—MAY 1888.

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.

Long. 7 15 W. Lat. 42 15 N.

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°6	40°2	38°0	51°0	1°7	2°3	in.	in.	°/100	°/100	NW 1	SW 1	10	0	ins. 250	Stormy all day.
2	29°08	29°40	51°7	44°1	38°0	53°0	5°0	1°3	263	260	69	89	SW 1	SW 3	5	9	300	● showers all day. ✱ ● (sleet).
3	29°05	29°55	47°4	40°2	38°0	52°0	4°2	1°5	233	218	72	88	NW 4	NW 2	7	7	070	● showers.
4	29°08	30°03	46°2	43°7	35°3	53°1	4°3	2°6	221	229	71	80	W 2	W 2	10	9	050	
5	30°03	30°08	48°6	47°7	42°1	51°8	4°4	1°8	242	287	70	87	W 2	W 2	10	10	040	● a.
6	30°03	30°05	51°0	53°7	47°0	58°0	3°1	2°3	374	348	80	84	W 2	W 2	10	10	—	
7	29°08	29°06	55°7	51°7	51°0	59°4	1°2	0°7	409	365	92	95	SW 3	SW 1	10	10	030	
8	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 2	NW 1	6	1	—	Fine all day.
9	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	Fine and warm.
10	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	Fine and clear all day.
11	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	Fine all day.
12	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	Fine all day.
13	30°16	30°03	52°4	43°5	42°2	54°6	5°5	1°6	260	248	67	87	NW 3	N 2	10	2	030	● showers.
14	29°01	29°62	46°7	43°2	39°2	51°8	4°8	1°3	215	251	68	89	NE 2	NW 1	9	10	170	● in evening.
15	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	
16	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	
17	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	
18	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	
19	30°11	30°27	50°7	41°9	39°0	52°8	5°8	2°8	237	207	65	79	NW 1	N 1	10	10	—	
20	29°57	30°10	55°7	55°7	44°0	69°0	5°7	5°8	297	295	67	67	SW 1	SE 1	7	2	—	Fine all day.
21	30°30	30°36	62°2	56°7	43°0	70°5	8°3	3°8	319	353	57	77	SW 2	SE 1	1	0	—	Fine all day.
22	30°41	30°44	64°4	55°2	45°0	72°1	9°1	3°3	332	345	54	79	NE 1	NE 1	1	0	—	Fine and warm all day.
23	30°41	30°44	64°4	55°2	45°0	72°1	9°1	3°3	332	345	54	79	NE 1	NE 1	1	0	—	Fine all day.
24	30°41	30°44	64°4	55°2	45°0	72°1	9°1	3°3	332	345	54	79	NE 1	NE 1	1	0	—	Fine all day.
25	30°41	30°44	64°4	55°2	45°0	72°1	9°1	3°3	332	345	54	79	NE 1	NE 1	1	0	—	Fine all day.
26	30°05	29°02	59°2	47°7	44°0	68°6	6°3	2°8	326	265	65	80	E 1	E 1	0	0	—	Fine and clear all day.
27	29°75	29°68	53°0	45°7	43°0	56°0	5°2	1°5	273	272	68	89	NE 1	NE 2	9	1	—	Fine all day.
28	29°75	29°68	53°0	45°7	43°0	56°0	5°2	1°5	273	272	68	89	NE 1	NE 2	9	1	—	
29	29°75	29°68	53°0	45°7	43°0	56°0	5°2	1°5	273	272	68	89	NE 1	NE 2	9	1	—	
30	29°75	29°68	53°0	45°7	43°0	56°0	5°2	1°5	273	272	68	89	NE 1	NE 2	9	1	—	
31	29°62	30°00	48°1	46°0	45°2	52°7	2°2	4°0	282	225	84	73	W 3	W 1	6	10	030	● showers.
Mean	29°845	29°883	53°9	47°8	42°7	59°6	4°8	2°4	298	280	71°5	83°2	1°8	1°5	7°1	5°3	2°080	Overcast, with ● all day.

ARMAGH.—MAY 1888.

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.

1	28°77	29°36	47°9	41°0	40°5	52°5	1°2	3°4	3°04	1°99	92	74	SW 1	SW 1	10	2	2°88
2	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SW 5	SW 5	8	10	2°29
3	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	WNW 5	W 2	7	1	0°65
4	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	WSW 1	SW 2	8	9	0°24
5	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	WSW 2	SW 1	8	10	—
6	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SW 2	SW 1	9	10	—
7	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SW 3	SW 3	10	10	0°25
8	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	WNW 2	NNW 0°5	8	2	—
9	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NNW 0°5	S 1	7	10	0°35
10	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NE 1	NE 1	3	2	—
11	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NE 1	NE 1	3	0	—
12	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NE 1	NE 0°5	2	3	—
13	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NNW 2	NNW 1	8	8	—
14	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NNW 1	W 1	7	10	0°60
15	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SW 3	S 1	10	8	—
16	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SE 3	SE 3	10	10	1°00
17	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	S 4	S 3	9	5	2°88
18	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SE 3	SSE 3	10	10	0°30
19	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SE 3	SW 1	10	8	0°02
20	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SW 2	SW 0°5	9	4	—
21	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	S 1	SSE 0°5	2	3	—
22	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SE 0°5	E 1	0	2	—
23	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	ENE 1	NE 0°5	2	1	—
24	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	ENE 1	ENE 0°5	7	0	—
25	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	ENE 0°5	NE 0°5	0	2	—
26	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NE 0°5	ESE 0°5	0	2	—
27	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	NE 1	NE 1	10	10	—
28	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	ENE 2	E 1	10	10	0°07
29	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SE 3	SSE 3	10	10	8°15
30	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	SSW 5	SW 2	10	8	3°70
31	29°03	29°00	48°0	43°5	37°7	54°0	2°5	2°5	2°74	2°29	83	80	W 2	WNW 1	7	9	0°27
Mean	29°726	29°763	52°8	48°1	41°5	59°1	4°4	3°4	2°93	2°63	73°5	77°4	2°0	1°4	6°9	6°1	2°365

Overcast all day.

Fine all day.
Fine all day.

MARKREE CASTLE (SLIGO).—MAY 1888.

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.

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.	9 a.m.							9 p.m.
1	ins.	ins.	40°0	39°2	38°4	48°7	1°8	1°8	in.	in.	°/100	°/100	WNW 6	S 1	10	9	ins.	Boisterous during day and at night. ☀️ showers.	
2	28°03	29°44	40°0	39°2	38°4	48°7	1°8	1°8	°269	°205	87	85	SW 5	WSW 6	7	10	°180		
3	29°05	°09	51°3	44°6	37°0	52°2	6°2	2°8	°235	°234	63	80	WNW 5	WSW 1	7	7	°260		
4	°57	29°84	48°4	39°7	38°4	51°5	5°4	1°9	°221	°207	65	84	SW 1	SE 1	8	9	°040		
5	29°06	°03	45°6	43°1	33°0	51°2	4°0	2°2	°221	°231	73	82	WNW 3	SE 1	10	10	°050		
6	30°03	°01	52°1	47°9	40°1	53°9	4°8	0°5	°271	°321	70	97	SSW 1	SSW 1	10	9	—	Overcast all day.	
7	30°00	°02	54°9	54°1	47°0	61°1	1°8	2°9	°379	°338	89	86	SW 2	SW 1	10	10	°010		
8	29°06	29°04	56°4	52°5	48°2	57°8	2°3	1°1	°388	°365	86	92	NW 2	Calm 0	9	2	—		
9	30°08	30°22	50°1	39°5	39°0	52°7	5°4	1°8	°238	°207	66	86	ESE 0°5	SE 0°5	10	10	°140		
10	°24	°19	48°1	44°2	41°1	57°9	5°4	2°9	°239	°247	65	79	E 1	NNE 1	4	6	—		
11	°22	°21	50°2	46°1	41°1	55°0	5°3	1°5	°250	°262	67	80	ENE 0°5	N 0°5	2	2	—		
12	°37	°34	51°1	44°7	31°7	55°0	5°3	1°5	°271	°242	76	87	N 1	N 1	8	2	—		
13	°34	30°28	49°8	43°0	30°0	52°3	3°6	1°6	°271	°242	76	80	NNW 1	N 1	10	9	—		
14	30°15	29°08	50°1	46°0	32°9	54°7	4°7	2°9	°252	°246	63	80	N 2	SSW 0°5	9	10	°950		
15	29°87	°57	46°2	44°9	39°3	50°8	4°3	2°8	°221	°236	71	80	S 3	SE 3	3	10	°030		
16	°25	29°22	46°8	46°7	42°9	51°0	1°5	2°4	°284	°264	89	83	SE 2	SE 2	10	10	°150		
17	29°17	28°05	47°3	49°9	42°1	54°6	1°3	0°8	°294	°337	91	05	S 3	SSW 1	9	10	°160		
18	28°07	29°15	50°0	50°2	44°1	59°2	1°7	1°6	°317	°322	88	89	SSE 4	SE 1	10	10	°430		
19	29°27	°33	53°9	50°2	47°4	57°5	2°8	0°5	°338	°351	83	97	SSE 4	SSE 1	10	9	°390		
20	°31	29°34	58°4	45°1	44°2	58°4	1°7	0°5	°436	°288	63	96	S 1	SSE 1	8	9	—		
21	29°84	°06	58°0	55°3	47°0	66°7	3°1	2°1	°390	°345	81	85	SSW 1	SSE 0°5	8	8	—		
22	30°21	°26	58°0	55°0	47°0	69°3	6°3	5°1	°337	°395	65	69	SE 1	Calm 0	6	3	—		
23	°32	°34	60°0	55°3	41°0	69°3	6°3	5°1	°402	°423	67	83	SSE 2	NNW 2	6	3	—		
24	°35	°30	64°1	59°0	40°9	70°1	6°1	2°8	°431	°331	71	81	E 1	NNE 1	4	8	—		
25	°28	°22	64°7	53°1	47°6	72°8	5°4	2°7	°431	°331	71	81	SE 1	Calm 0	5	2	—		
26	30°15	30°04	65°9	53°2	38°4	68°7	9°0	3°5	°356	°313	53	77	ESE 1	ENE 0°5	2	2	—		
27	29°06	29°80	57°5	50°5	39°9	62°3	1°6	1°4	°425	°351	89	90	Calm 0	Calm 0	1	2	—		
28	°67	°59	53°4	49°7	40°7	59°1	3°5	3°0	°316	°263	77	73	NNE 0°5	NNE 1	10	10	—		
29	°63	°64	48°3	50°0	43°0	51°2	2°6	3°1	°276	°284	82	79	ESE 1	ESE 2	10	10	°110		
30	°46	°19	50°4	50°0	47°3	55°5	0°4	1°3	°356	°329	97	92	SSE 4	SSE 3	10	10	°320		
31	°11	°42	53°1	47°0	46°6	55°3	1°0	1°9	°376	°277	93	87	SW 2	SW 3	10	7	°190		
32	29°67	29°06	51°1	44°3	44°0	53°2	4°5	1°1	°267	°266	72	92	W 4	Calm 0	8	10	—		
Mean	29°786	29°815	52°8	48°0	40°7	57°3	3°8	2°1	°309	°288	76°5	85°3	2°0	1°2	7°9	7°6	2°790		

PARSONSTOWN (BIRK CASTLE).—MAY 1888.

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.

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.	47.5	40.1	39.7	51.5	0.7	2.2	in.	in.	0.2	0.2	ins.	2.56	Squally, with \bullet^2 a. ∞ p.
2	29.15	29.25	50.9	43.8	36.4	53.8	0.6	2.8	236	226	63	78	1.58	1.58	Squally, with \bullet^2 a. Δ^2 p.
3	29.63	29.86	41.9	40.4	38.7	51.1	2.9	2.1	308	209	79	83	0.82	0.82	Squally, with \bullet^2 n. Squally, with Bright day. \bullet^2 a. Δ^2 all day.
4	29.07	30.07	48.3	42.5	33.2	54.1	5.4	2.8	220	215	65	79	—	—	∞ a. and p. Bright a.
5	30.07	30.07	49.9	49.9	35.5	49.9	4.9	1.9	246	310	68	87	—	—	Dull and mild. ∞ (mist) p.
6	30.01	30.03	54.6	53.3	48.9	57.8	2.0	1.4	370	367	87	90	—	—	Bright noon—3 p.
7	29.99	29.98	55.0	52.9	49.7	65.6	1.9	1.8	378	351	88	88	—	—	∞ a. Dull day.
8	30.05	30.16	54.5	44.9	44.5	57.7	4.0	3.1	318	231	75	78	—	—	∞ (mist) 9 a. \bullet^2 from 3.30 p.
9	29.19	29.16	49.0	43.7	38.4	52.7	5.3	0.8	230	207	66	93	—	—	Bright day. ∞ (mist) p.
10	29.15	29.24	49.6	44.9	40.8	57.9	3.9	2.8	264	236	74	80	—	—	∞ a. Bright and warm.
11	29.32	29.28	51.7	49.0	33.9	61.4	4.6	3.6	271	263	71	75	—	—	∞ a. Bright and warm.
12	29.30	29.23	53.6	51.2	34.7	63.9	5.7	2.9	270	304	66	81	—	—	∞ a. Bright till 3 p.
13	30.15	29.94	47.5	48.5	34.6	57.9	4.2	2.4	234	282	72	83	—	—	∞ a. Dull, with ∞ .
14	29.86	29.60	46.9	43.6	35.2	55.1	4.6	2.7	221	226	70	79	—	—	Cool and gloomy.
15	29.31	29.23	48.1	46.1	41.0	50.5	4.0	2.8	244	249	73	80	—	—	Dull, with \bullet^2 showers.
16	29.13	29.94	47.3	47.2	44.7	56.8	2.4	0.9	270	303	83	94	—	—	Gusty wind. ∞ p.
17	29.02	29.19	55.0	50.5	43.8	59.7	5.8	2.6	284	302	66	82	—	—	Squally, with \bullet^2 showers.
18	29.21	29.31	51.3	53.7	47.2	61.7	1.4	0.8	342	390	90	94	—	—	∞ a. \bullet^2 11 a.—4 p.
19	29.28	29.55	58.1	46.0	45.0	58.7	2.3	1.8	414	260	85	87	—	—	Bright and warm.
20	29.85	30.09	55.7	51.6	42.6	64.7	5.5	2.6	302	315	67	82	—	—	Bright and warm.
21	30.19	29.25	59.8	52.7	45.2	66.8	4.9	2.8	369	325	72	81	—	—	Bright and warm.
22	29.29	29.29	63.6	54.7	39.8	69.7	7.7	5.5	354	286	61	67	—	—	∞ a. Bright and warm. ∞
23	29.29	29.28	60.9	57.6	45.4	71.2	4.9	6.7	384	297	72	63	—	—	Bright and warm.
24	29.24	29.18	62.2	54.3	41.8	71.6	6.2	5.4	370	284	66	68	—	—	Bright and warm.
25	30.10	30.00	65.1	56.5	43.6	71.3	10.0	4.6	321	331	51	72	—	—	∞ a. and p. Gusty wind 3 p.
26	29.93	29.77	62.7	58.3	41.8	70.5	8.5	3.4	322	356	57	70	—	—	Bright and warm.
27	29.63	29.51	59.3	54.7	49.7	66.0	4.2	3.4	380	336	75	78	—	—	∞ a. Bright and warm.
28	29.56	29.59	56.3	51.6	43.3	61.8	4.5	2.5	331	318	72	83	—	—	∞ a. Dull and cloudy. ∞^2 p.
29	29.47	29.14	51.7	49.0	47.8	56.0	0.8	1.0	362	322	94	93	—	—	\bullet^2 from 7 a. Overcast all day.
30	29.22	29.51	52.7	47.5	46.8	55.7	3.0	2.6	320	268	80	82	—	—	Squally, with \bullet^2 showers.
31	29.70	29.93	53.1	48.3	45.9	58.0	5.1	2.2	276	284	68	85	—	—	Squally a. Bright and rusty.
Mean	29.781	29.808	53.7	49.3	41.9	60.1	4.5	2.7	302	289	72.8	81.5	—	—	

SWANBISTER.—JUNE 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

1	29.87	30.15	44.0	40.0	39.1	46.1	2.3	4.9	238	158	82	64	NW 5	NW 3	8	10	—	Overcast all day.
2	30.22	30.14	43.5	40.9	37.7	46.1	6.5	3.0	162	196	57	77	NNE 0.5	E 3	9	9	—	\bullet^2 .
3	29.99	29.92	39.0	38.8	37.4	40.9	0.4	0.9	230	218	97	93	E 5	NE 4	10	10	—	
4	30.01	30.17	45.9	41.6	37.8	50.1	2.6	2.1	251	220	82	84	NNE 4	NE 1	7	7	—	
5	29.19	30.18	49.5	45.3	35.1	52.9	2.6	1.3	299	272	82	90	W 2	ESE 1	6	5	—	
6	30.08	29.97	48.5	45.0	35.1	52.6	2.5	1.0	281	275	83	93	ESE 3	ESE 4	4	10	—	
7	29.74	29.62	46.0	44.8	38.0	47.6	1.5	0.2	276	292	90	99	SE 3	SE 1	10	10	—	Overcast all day.
8	29.60	29.40	47.0	48.0	42.1	50.5	0.1	0.1	321	332	99	99	ESE 1	ESE 1	10	10	—	∞ before 9 a.
9	29.51	29.42	48.3	49.1	46.0	51.1	0.1	0.1	336	347	99	99	ESE 1	WNW 2	10	10	—	∞ a.
10	29.33	29.73	49.2	46.9	43.8	51.9	0.6	1.4	335	288	96	91	SW 4	WNW 4	10	3	—	
11	29.83	29.63	52.7	49.4	44.3	54.0	3.7	1.2	302	322	76	91	SW 2	SSE 3	3	8	—	
12	29.47	29.38	49.8	48.5	47.3	52.0	1.0	0.2	332	337	93	99	SE 4	SE 5	10	10	—	
13	29.55	29.70	52.5	47.5	44.3	55.1	2.3	2.3	334	274	83	84	SSE 3	NNW 1	3	2	—	
14	29.78	29.83	58.4	49.9	41.4	59.2	5.3	1.4	340	323	70	91	SE 0.5	Calm 0	2	2	—	Remarkably ∞^2 p.
15	29.81	29.97	53.8	48.8	41.0	57.6	2.5	1.3	345	312	83	91	SE 1	NNE 2	3	4	—	
16	30.08	30.08	52.2	46.6	41.0	57.6	2.4	0.2	327	313	84	99	NNE 1	SE 0.5	3	10	—	∞ 9 p.
17	29.06	29.13	52.2	51.2	41.8	61.6	1.7	2.6	345	311	89	83	SSE 1	NW 2	3	10	—	
18	29.28	29.33	54.2	49.5	48.0	56.1	0.2	3.5	266	271	63	77	N 3	N 1	5	—	—	
19	29.31	29.28	53.0	49.0	42.0	55.1	4.2	2.6	295	285	73	82	NNE 2	NNE 2	—	—	—	
20	29.25	29.24	49.3	46.5	45.0	54.1	3.0	1.0	279	293	80	94	NE 1	NE 3	—	—	—	
21	29.28	29.20	48.5	48.5	45.0	60.6	1.7	1.7	299	299	80	89	NE 2	NNE 1	—	—	—	
22	29.18	29.22	53.2	46.5	40.0	59.1	3.9	1.0	304	293	75	94	NE 1	NNE 1	—	—	—	
23	29.23	29.22	55.4	49.5	41.0	61.5	8.7	1.7	234	311	53	89	ENE 1	ESE 2	—	—	—	
24	29.14	29.09	47.2	46.2	45.0	51.1	0.4	0.2	315	308	98	99	ESE 2	ESE 2	—	—	—	No observations of cloud or weather during this period, owing to the absence from home of Mr. Fortescue.
25	29.07	29.08	48.5	49.8	44.0	55.1	1.0	1.8	316	312	94	87	ESE 2	E 2	—	—	—	
26	29.89	29.79	56.2	53.8	47.0	60.1	2.5	5.3	380	280	84	68	E 2	E 1	—	—	—	
27	29.68	29.62	60.2	52.8	48.0	62.6	7.4	3.0	313	320	60	80	E 2	NNE 3	—	—	—	
28	29.53	29.52	50.6	47.5	46.0	52.8	1.1	3.0	341	259	93	80	NE 3	NE 3	—	—	—	
29	29.47	29.52	50.0	46.8	45.0	53.1	4.9	3.4	247	243	69	26	NNE 5	N 6	—	—	—	
30	29.65	29.79	47.8	46.1	44.0	57.1	2.8	3.2	265	241	80	27	N 5	NNW 3	—	—	—	
Mean	29.902	29.912	50.2	47.2	42.6	54.2	2.9	1.9	297	284	81.9	87.3	—	—	—	—	—	1.190

DUNROBIN CASTLE.—JUNE 1888.

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.

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.	45.9	41.2	41.2	49.5	2.6	1.8	in.	in.	0.2	0.2	NW	NW	—	ins.	Cold and stormy.
2	29.05	30.19	45.9	41.2	41.2	49.5	2.6	1.8	251	221	82	86	SE	E	—	1.30	Stormy, but milder.
3	29.25	30.13	44.9	41.4	34.5	48.5	3.6	0.1	221	259	75	99	E	E	—	0.60	Stormy
4	29.96	29.96	41.2	39.2	38.8	42.0	0.5	0.6	248	228	96	95	E	E	—	—	Fine and mild.
5	30.11	30.26	46.4	42.9	38.1	52.7	2.9	1.4	250	246	80	89	E	E	—	—	Fine and warm.
6	29.27	30.25	49.0	46.2	34.5	51.0	2.7	2.2	283	263	81	85	SE	E	—	—	Clear, with cold wind.
7	30.14	29.99	47.7	45.2	41.7	48.7	1.4	0.9	296	280	90	93	E	SE	—	0.70	Cold wind.
8	29.80	29.69	50.0	46.6	45.2	52.3	1.5	1.1	321	292	90	93	E	NE	—	—	Dull, with showers.
9	29.68	29.64	47.7	53.0	45.7	55.3	1.0	1.5	306	301	93	92	SE	SE	—	2.00	Dull, with showers.
10	29.59	29.54	52.3	51.5	49.1	56.3	1.0	1.5	365	342	93	92	SE	SW	—	0.80	Dull, with (mist).
11	29.57	29.92	53.0	49.0	44.5	54.5	4.7	3.7	284	261	71	75	W	W	—	1.80	Dull, with showers.
12	29.91	29.73	54.5	51.5	39.6	55.3	4.8	1.8	299	335	71	88	S	S	—	—	Fine and mild.
13	29.58	29.49	52.3	53.3	50.4	55.3	2.0	2.3	339	343	86	84	E	SE	—	2.20	—
14	29.62	29.77	55.7	51.5	45.5	59.9	5.0	1.5	312	342	71	90	SE	SW	—	0.60	Fine and warm.
15	29.87	29.92	55.3	49.5	43.5	58.6	4.0	3.0	330	282	76	80	SW	N	—	—	Fine and warm.
16	29.87	30.09	54.5	48.3	47.2	50.6	3.0	1.8	342	294	81	88	SE	NNW	—	—	Fine day, but colder.
17	30.12	30.14	50.3	46.4	44.9	52.7	2.6	1.1	299	289	82	92	E	NW	—	—	Dull and cold.
18	29.13	29.25	51.7	51.3	40.9	58.6	2.4	2.8	322	307	84	81	SW	NE	—	—	Fine and warm.
19	29.33	29.41	52.7	47.5	47.2	50.6	3.0	2.5	319	269	80	83	S	NE	—	—	—
20	29.37	29.34	53.5	50.3	44.2	54.7	0.8	2.8	387	295	95	81	E	NE	—	—	Fine day.
21	29.31	29.30	51.5	50.0	49.1	51.7	4.2	3.3	278	280	74	78	SE	E	—	—	Cold wind.
22	29.33	29.37	49.5	49.5	46.2	51.7	2.0	1.5	324	316	87	90	SE	E	—	—	Dull, with cold wind.
23	29.35	29.38	51.3	48.5	46.7	53.0	3.0	2.2	302	288	80	85	SE	E	—	—	—
24	29.43	29.33	53.7	50.0	49.7	50.0	4.0	2.0	307	309	75	86	S	N	—	—	Fine day.
25	29.28	29.20	48.7	50.3	46.9	57.2	2.2	1.8	290	319	85	88	E	E	—	—	Fine day, but with cold wind.
26	29.23	29.08	58.6	55.3	46.7	61.6	7.1	4.0	302	330	61	76	SE	SE	—	—	Fine day.
27	30.02	29.91	62.6	60.4	49.6	68.1	4.3	0.7	428	333	76	63	E	NE	—	—	Dull, with (mist).
28	29.82	29.69	61.9	54.3	54.3	63.6	6.4	1.8	361	370	66	88	E	NE	—	—	Dull day.
29	29.61	29.64	55.7	50.3	49.6	56.3	1.4	3.6	423	277	91	76	NE	NE	—	—	Dull and blowy.
30	29.64	29.70	49.7	47.5	46.2	55.7	4.0	4.0	262	238	74	73	SE	E	—	—	Dull day.
31	29.81	29.96	53.0	48.5	47.2	55.7	6.5	4.0	248	249	62	73	E	E	—	—	—
Mean	29.098	30.008	51.8	49.0	44.7	55.0	3.2	2.3	309	294	80.3	84.6	—	—	—	2.400	—

LAUDALE.—JUNE 1888.

Height above Mean Sea Level, 14 feet. LAUDALE.—JUNE 1888.
 Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.
 Long. $5^{\circ} 41' W.$ Lat. $56^{\circ} 41' N.$

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.						
	ins.	ins.							in.	in.	°/in.	°/in.						
1	30°10	30°25	44°8	44°0	40°0	50°4	3°8	4°0	.216	.205	73	71	WNW 3	Calm 0	7	7	ins.	▲ showers a. Snow on hills.
2	30°19	30°01	46°0	41°5	40°1	46°7	3°4	1°7	.236	.227	77	87	E 2	ESE 4	10	10	490	∞ a. Gloomy p. ✕ showers op.
3	29°78	29°81	44°8	42°5	41°0	45°9	1°9	1°3	.253	.244	85	90	SE 3	ESE 2	10	10	320	✕ showers a. ● 2 showers later.
4	30°05	30°21	46°2	47°9	40°2	54°3	3°3	4°7	.240	.229	77	69	ESE 2	Calm 0	7	1	—	Fine and bright, but cold.
5	30°21	30°14	52°0	49°4	37°5	59°3	5°8	5°7	.250	.226	65	64	E 2	E 1	2	3	—	Fine and bright all day.
6	29°98	29°83	50°0	45°9	42°4	55°9	5°0	2°9	.245	.245	68	80	E 3	E 2	10	10	090	Gloomy and cold. ● 3p.—5p.
7	69	63	53°5	50°0	45°0	60°1	4°8	3°8	.287	.345	71	76	E 2	E 1	9	10	030	∞ p.
8	64	58	55°0	54°4	53°5	50°4	2°5	0°5	.362	.409	84	96	SE 1	Calm 0	10	10	240	● 0 all day. ☼ (mist) p.
9	56	59	55°0	49°0	48°9	57°8	0°5	2°4	.418	.289	97	83	Calm 0	W 1	10	10	160	☼ (mist) all day.
10	74	97	49°6	49°0	46°7	63°7	3°6	3°1	.269	.274	76	78	W 5	W 2	7	3	—	Much cir. from W. to E. p.
11	87	65	55°4	53°3	47°5	61°9	5°1	2°3	.306	.343	70	84	E 4	SE 2	7	10	2260	● 2 ☼ (mist) p.
12	38	39	53°7	48°9	48°0	54°4	1°5	2°7	.370	.282	89	81	SE 3	SSW 1	10	8	1310	● 2 ☼ during day. ☼ (mist) p.
13	59	72	52°0	52°0	46°8	60°1	4°0	3°3	.287	.303	74	78	Calm 0	Calm 0	7	2	—	Fine and bright.
14	85	29°88	53°7	50°7	42°8	61°4	4°5	1°8	.296	.324	72	87	Calm 0	Calm 0	6	5	060	Fine all day.
15	29°79	30°00	52°6	55°0	48°5	63°1	2°2	3°3	.337	.342	85	79	SE 3	N 1	10	1	—	☼ (mist) a. Fine day.
16	30°08	10	59°4	58°3	45°6	69°2	4°6	4°0	.371	.371	73	77	Calm 0	Calm 0	1	8	—	Fine and warm all day.
17	13	18	63°3	55°4	45°9	66°6	6°3	3°9	.384	.334	66	76	N 2	N 2	1	1	—	Fine and warm all day.
18	25	20	60°2	58°5	42°7	66°2	5°9	7°3	.350	.296	67	60	E 2	E 1	2	7	—	Fine and warm. ∞ p.
19	33	31	57°0	57°0	44°9	64°5	5°8	4°0	.309	.351	66	75	E 1	Calm 0	1	3	—	Fine and warm. ∞ p.
20	20	15	62°0	56°8	47°3	68°0	8°5	2°8	.312	.380	56	82	E 1	Calm 0	0	1	—	Fine and warm.
21	18	20	66°0	65°4	52°1	72°8	8°1	9°0	.378	.348	60	56	Calm 0	E 1	2	7	—	Fine and warm.
22	20	25	66°9	65°0	54°8	74°7	9°7	1°1	.354	.416	53	92	Calm 0	Calm 0	1	0	—	Fine and warm.
23	28	26	63°0	60°0	50°1	71°9	6°6	4°4	.371	.377	65	76	Calm 0	Calm 0	1	0	—	Fine and warm.
24	18	30°11	68°0	64°0	48°7	75°7	12°0	6°0	.317	.493	46	67	Calm 0	Calm 0	0	5	—	Fine and warm.
25	30°06	29°99	71°0	70°0	49°3	79°6	10°5	5°8	.396	.515	52	70	E 3	Calm 0	0	5	—	Fine and warm.
26	29°91	77	74°0	69°0	65°5	80°2	11°7	9°3	.416	.395	49	55	SE 3	SE 2	7	7	—	Fine and warm.
27	64	56	68°8	62°3	62°1	73°8	6°5	4°3	.467	.423	66	75	ESE 3	Calm 0	7	2	—	Fine and warm.
28	56	51	66°2	60°6	50°5	67°7	4°2	3°4	.493	.421	77	80	NW 4	SW 2	5	10	060	Fine and warm a. Cloudy p. ● at night.
29	56	66	55°6	52°3	51°4	62°2	4°4	3°6	.325	.300	73	76	SE 2	E 1	4	2	—	Dull all day. ∞
30	29°78	29°89	56°0	54°4	38°5	62°7	5°6	4°7	.304	.288	67	71	NW 1	Calm 0	4	1	—	Cloudy all day.
Mean	29°925	29°926	57°4	53°6	47°5	63°6	5°4	3°9	.331	.330	70°0	76°4	1°8	0°9	5°3	5°3	5°020	

DUNDEE.—JUNE 1888.

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.

Long. 2 35 W. Lat. 56° 28' N.

gauge, 1 foot.

1	29° 85	30° 09	50° 7	44° 0	42° 8	57° 5	6° 2	2° 3	2° 30	2° 38	62	82	NW	8	SE	1	7	10	—	☼ till 6p.
2	29° 11	29° 07	42° 9	37° 6	37° 1	44° 4	3° 1	0° 5	2° 12	2° 15	78	96	SE	2	NE	6	10	10	*960	☼ from 10a.
3	29° 74	29° 08	41° 8	39° 9	37° 0	43° 1	0° 4	0° 5	2° 56	2° 38	97	97	NE	6	NE	6	10	10	*130	☼ n. and during day.
4	29° 85	30° 08	47° 5	42° 5	38° 1	53° 5	3° 4	2° 2	2° 50	2° 26	77	84	NE	1	NE	2	10	0	—	Dull till 2p.
5	30° 09	30° 06	52° 4	41° 3	34° 8	54° 4	3° 9	0° 6	2° 95	2° 47	75	96	SE	2	NE	1	7	5	—	Fine day.
6	29° 93	29° 78	47° 7	43° 5	37° 4	53° 5	3° 1	1° 0	2° 58	2° 61	79	92	SE	4	SE	2	10	10	*090	☼ 2.30p.—8p.
7	*62	*54	45° 0	46° 2	42° 9	57° 0	1° 7	0° 6	2° 70	2° 99	88	96	E	1	SE	1	10	10	*030	Dull day. ☼ showers from 6p.
8	*52	*45	50° 7	49° 5	46° 2	60° 7	1° 0	0° 3	3° 45	3° 46	93	98	SE	1	E	1	10	10	*410	☼ 6a.—9a., and from 2.30p.
9	*40	*38	50° 2	55° 8	48° 7	60° 2	0° 5	2° 4	3° 51	3° 77	97	84	SE	1	W	2	10	10	*040	☼ showers. ☼ 2p.
10	*48	*81	54° 2	50° 5	46° 6	59° 8	5° 6	2° 3	3° 44	3° 66	71	W	8	W	2	5	7	—	☼ (gale) till 5p.	
11	*80	*61	59° 3	50° 6	40° 6	63° 5	5° 6	2° 3	3° 44	3° 66	71	W	8	W	2	5	7	—	*300	Dull from Noon. ☼ showers from 4p.
12	*40	*31	50° 4	51° 7	47° 5	55° 8	0° 6	1° 5	3° 51	3° 43	96	89	SE	1	SE	1	7	10	*080	☼ n. and till 9a. ☼ showers.
13	*49	*59	55° 2	50° 2	44° 2	64° 3	3° 3	1° 2	3° 45	3° 32	79	92	SW	1	SE	1	5	5	—	☼ 11.30a.—1p. ☼ Noon—1p.
14	*67	*75	59° 0	51° 4	43° 4	66° 7	4° 6	1° 1	3° 64	3° 51	73	92	SW	1	NW	1	5	5	*250	Dull, with ☼ showers.
15	*69	*79	53° 4	52° 7	46° 1	63° 6	3° 1	4° 0	3° 25	3° 95	80	75	SW	1	NE	1	10	10	*010	Dull day.
16	*93	29° 98	56° 5	47° 8	47° 2	58° 7	4° 9	1° 3	3° 25	3° 11	71	91	NE	2	SE	1	5	10	—	Fine day.
17	29° 94	30° 02	59° 2	48° 7	46° 2	59° 8	4° 7	1° 3	3° 05	3° 00	71	91	S	2	SE	1	5	5	—	Fine day.
18	30° 09	*18	58° 5	48° 1	43° 4	65° 1	4° 1	1° 9	3° 71	2° 89	76	86	W	1	NE	1	10	5	—	Fine day.
19	*15	*11	58° 6	47° 7	39° 3	64° 2	5° 7	1° 2	3° 33	3° 01	68	92	SE	1	NE	2	5	5	—	Fine day.
20	*08	*04	56° 8	53° 1	40° 4	63° 1	3° 6	2° 5	3° 59	3° 36	78	83	SE	2	SE	1	7	10	*020	Fine day.
21	*08	*09	57° 5	49° 4	49° 4	66° 6	4° 6	1° 0	3° 45	3° 27	73	93	E	2	SE	1	10	5	—	Dull day.
22	*11	*20	59° 5	47° 4	41° 9	61° 1	5° 0	1° 4	3° 62	2° 93	72	90	SE	1	SE	2	7	10	—	Dull till 1p.
23	*19	*15	59° 9	47° 9	45° 0	63° 1	5° 6	1° 3	3° 53	3° 00	69	91	SE	1	E	1	0	0	—	Dull from 2p.
24	*11	30° 06	56° 0	47° 6	44° 9	59° 9	4° 6	0° 8	3° 26	3° 10	72	95	SE	1	NE	1	7	0	—	Fine day.
25	30° 02	29° 02	55° 9	51° 8	45° 0	60° 4	3° 5	1° 1	3° 51	3° 36	78	92	SE	2	SE	1	7	0	—	Dull till 8.30a. Fine day.
26	29° 83	*72	68° 6	54° 6	45° 6	75° 0	5° 7	1° 7	4° 89	3° 77	70	88	SW	1	NE	1	5	0	—	Fine day.
27	*59	*45	57° 5	54° 5	48° 1	60° 3	2° 0	0° 4	4° 14	4° 14	87	98	NE	1	SE	2	10	10	*020	Fine day.
28	*39	*35	53° 7	54° 8	52° 4	63° 0	0° 7	1° 2	3° 93	3° 95	95	92	NE	1	NE	4	10	10	*010	Dull, with ☼ (mist).
29	*38	*44	55° 0	50° 4	47° 4	61° 6	4° 6	4° 7	3° 11	2° 55	73	70	NE	1	N	2	5	5	—	☼ showers n. and till 5.30p.
30	29° 55	29° 73	54° 8	47° 7	45° 2	61° 1	6° 1	3° 6	2° 76	2° 48	65	76	NE	6	N	1	5	0	—	Fine day. ☼ till 4p.
Mean	29° 802	29° 811	54° 3	48° 6	43° 8	60° 0	3° 7	1° 7	3° 38	3° 05	77° 6	88° 6	2° 1	1° 7	7° 5	6° 6	2° 350			

GLASGOW.—JUNE 1888.

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.

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.	45°	45°	41°	59°	5°	4°	in.	in.	%	%	WNW 1	WNW 1	7	9	ins.		
2	29°03	30°04	45°	45°	41°	59°	5°	4°	196	219	63	71	WNW 1	WNW 1	7	9	180		
3	30°05	29°85	41°	39°	39°	48°	1°	0°	233	236	89	96	ESE 1	E 3	10	10	760	Gloomy and overcast, with ☉.	
4	30°02	29°66	43°	41°	39°	45°	0°	0°	267	253	94	95	ENE 4	ENE 1	10	10	120	Overcast, with ☉.	
5	29°85	30°03	46°	45°	39°	54°	3°	3°	238	236	77	77	NE 1	E 1	10	2	—		
6	29°03	29°97	48°	43°	37°	55°	4°	2°	234	243	69	85	E 3	E 3	3	4	—	Fine day.	
7	30°81	°67	48°	43°	41°	50°	4°	1°	243	255	71	88	ESE 3	E 3	10	10	110	Dull and overcast, with ☉.	
8	°56	°48	40°	48°	43°	55°	2°	0°	293	319	85	94	ENE 2	E 1	8	10	160	Dull and cloudy. ☉.	
9	°44	°41	55°	55°	47°	57°	2°	0°	378	428	86	97	E 1	NE 1	10	10	430	Gloomy and overcast, with ☉.	
10	°63	°84	51°	47°	46°	56°	6°	2°	28	238	259	62	81	WNW 3	W 1	9	9	—	Cloudy, with squally ☉.
11	°74	°53	56°	51°	45°	61°	6°	3°	263	346	64	89	SSW 2	SSW 2	9	10	150	Dull and cloudy. ☉.	
12	°31	°29	55°	49°	49°	57°	3°	2°	339	297	79	84	SSE 2	SSW 3	10	6	010	Dull and overcast. ☉.	
13	°47	°56	52°	50°	47°	61°	4°	3°	277	287	70	78	WSW 1	SW 1	8	4	—		
14	°67	°71	58°	54°	43°	65°	6°	4°	312	312	64	70	W 1	WSW 1	3	2	060		
15	°65	°74	51°	55°	49°	62°	1°	3°	338	341	87	76	SW 1	NNE 1	10	3	080	Dull and cloudy. ☉.	
16	°90	°91	54°	53°	50°	65°	5°	3°	288	329	68	79	ENE 4	E 2	8	6	—	Fine day.	
17	29°04	29°06	54°	55°	46°	73°	3°	5°	329	302	77	70	WSW 1	ENE 1	10	3	—	Fine day.	
18	30°05	30°14	59°	53°	46°	64°	6°	5°	331	281	65	69	ESE 1	E 3	6	10	—	Fine day.	
19	°10	30°06	55°	49°	45°	64°	6°	2°	283	290	63	82	ESE 1	E 2	10	5	—	Fine day.	
20	°03	29°07	49°	50°	47°	66°	2°	2°	287	309	81	84	ESE 3	SE 2	10	7	—	Fine day.	
21	°02	30°03	55°	51°	49°	66°	4°	1°	315	324	70	87	ESE 3	ESE 4	9	10	—	Cloudy, with squally ☉.	
22	°07	°12	50°	49°	47°	61°	3°	2°	279	288	76	83	E 2	ESE 2	9	10	—		
23	°14	30°09	55°	51°	45°	67°	5°	3°	293	218	68	56	ESE 1	E 1	10	4	—	Fine day.	
24	30°05	29°06	50°	51°	46°	65°	3°	3°	294	297	80	78	E 1	ESE 2	7	2	—	Fine day.	
25	29°02	°83	59°	57°	49°	71°	5°	3°	345	370	66	78	ENE 2	E 3	4	6	—	Fine day.	
26	°74	°60	63°	58°	50°	74°	5°	3°	402	379	69	77	E 3	E 2	7	7	—	Fine day.	
27	°49	°39	58°	56°	52°	69°	2°	1°	419	399	85	89	E 2	ENE 1	8	10	010		
28	°31	°29	56°	55°	53°	59°	2°	1°	401	404	87	93	ESE 1	E 1	10	10	150	Dull and overcast. ☉.	
29	°56	°42	51°	53°	49°	64°	2°	5°	304	251	81	62	ESE 1	ESE 1	10	3	—		
30	29°54	29°69	57°	52°	44°	67°	8°	5°	255	267	53	67	E 1	E 1	3	3	—	Fine day.	
Mean	29°759	29°755	53°4	50°7	46°2	61°9	4°2	3°0	305	299	74°4	80°5	1°8	1°8	8°2	6°8	2°420		

WOLFELEE.—JUNE 1888.

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.

1	29°'46	29°'57	48°'5	41°'0	39°'0	55°'0	2°'5	2°'5	*280	*206	82	81	NW	W	—	—	'050	Blowly a. Fine and calm p.
2	"60	"42	41°'0	40°'5	34°'0	57°'0	1°'5	1°'5	*225	*231	88	92	SE	SE	—	—	'780	Cold, with ● a. Blowly and cold p.
3	"17	"19	48°'5	45°'0	38°'0	48°'5	1°'5	0°'5	*303	*287	89	96	SE	N	—	—	'120	Dull and cloudy.
4	"36	"53	42°'5	40°'0	39°'0	54°'0	1°'0	1°'0	*250	*225	92	92	NE	NE	—	—	—	Dull a. Fine and clear p.
5	"57	"52	49°'5	40°'0	31°'0	52°'0	5°'0	1°'5	*240	*217	68	88	E	E	—	—	—	Fine a.
6	"37	"25	45°'0	44°'0	38°'0	51°'0	2°'5	2°'5	*243	*234	82	81	SE	SE	—	—	'070	Dull, with ● showers. Blowly p.
7	"13	20°'08	48°'0	51°'5	41°'0	54°'0	0°'5	0°'5	*332	*367	97	96	E	SW	—	—	'100	Dull day. ● showers p.
8	29°'04	28°'99	59°'5	55°'0	46°'0	60°'5	4°'0	0°'5	*388	*418	76	97	S	S	—	—	'270	Fine a. ● p.
9	28°'93	29°'01	60°'0	58°'5	51°'0	64°'0	2°'5	1°'0	*438	*459	85	94	SE	S	—	—	'030	Fine p.
10	29°'18	"40	50°'0	48°'0	42°'0	68°'0	3°'0	3°'0	*286	*253	80	76	W	SW	—	—	—	Cold and blowly a. Fine p.
11	29°'35	29°'17	57°'0	51°'0	43°'0	60°'5	0°'0	3°'0	*465	*299	100	80	SW	SW	—	—	'010	Fine a.
12	28°'95	28°'89	57°'0	49°'0	45°'5	67°'5	3°'5	1°'5	*364	*310	78	90	SSW	SW	—	—	'100	Fine a. Dull p. Blowly.
13	29°'06	29°'15	52°'0	49°'0	43°'0	64°'0	3°'5	1°'5	*299	*310	77	90	SW	SW	—	—	—	Fine p.
14	"23	"29	56°'0	48°'0	36°'0	64°'0	6°'0	1°'5	*295	*297	65	90	SW	SW	—	—	'310	Fine and clear a. ☞ In afternoon.
15	"23	"29	53°'0	52°'0	42°'0	65°'5	2°'5	2°'0	*335	*355	83	86	S	NE	—	—	'110	Dull and mild a. Fine p.
16	"40	"48	48°'5	45°'0	43°'0	59°'0	2°'0	2°'0	*292	*243	86	82	NE	NE	—	—	—	Dull and blowly a. Fine and clear p.
17	"48	"53	56°'5	51°'0	40°'5	60°'0	4°'0	4°'0	*346	*276	75	74	NW	NE	—	—	—	Fine and clear a. Very fine p.
18	"62	"68	51°'0	42°'0	35°'5	61°'0	3°'0	1°'5	*299	*235	80	89	NE	NE	—	—	—	Dull a. Fine, clear, and cold p.
19	"66	"60	48°'0	46°'0	33°'0	57°'5	3°'5	2°'5	*253	*255	76	83	NE	N	—	—	—	Dull and blowly a. Fine p.
20	"57	"51	47°'0	47°'0	41°'5	59°'5	1°'0	0°'5	*298	*311	93	97	E	N	—	—	'030	Dull, with ● ⁰ a. ● showers p.
21	"53	"58	48°'5	47°'0	44°'0	54°'5	1°'0	1°'0	*316	*298	93	93	NE	NE	—	—	—	Dull day.
22	"61	"66	46°'0	45°'5	41°'0	62°'0	1°'0	1°'0	*287	*282	93	93	NE	NE	—	—	—	Blowly a. Dull and cold.
23	"71	"66	45°'0	47°'0	40°'5	56°'0	1°'0	1°'0	*275	*298	92	93	NE	NE	—	—	—	Dull, with $\frac{w}{w}$ ⁰ (mist) a. Fine and
24	"60	"53	49°'0	53°'0	37°'5	65°'0	2°'0	3°'5	*298	*311	86	77	NE	NE	—	—	—	Dull a. Fine p. [clear p.]
25	"49	"39	53°'0	55°'0	40°'0	70°'0	2°'5	1°'5	*335	*389	83	90	NE	N	—	—	—	Dull a. Fine p.
26	"32	29°'18	61°'0	60°'0	43°'0	77°'0	3°'5	1°'5	*425	*469	80	91	N	ESE	—	—	—	Fine and clear.
27	29°'10	28°'07	59°'0	60°'5	49°'0	82°'0	2°'5	2°'0	*422	*462	85	88	ESE	NE	—	—	'050	Dull a. ● showers p.
28	28°'88	"84	57°'0	53°'5	52°'0	64°'5	1°'0	0°'5	*434	*395	93	96	E	NE	—	—	'720	Mild a. ● [clear p.]
29	28°'92	28°'98	45°'5	46°'0	43°'0	61°'5	1°'0	2°'0	*282	*265	93	86	E	NE	—	—	—	Dull, cold and blowly a. Fine and
30	29°'08	29°'28	48°'5	44°'5	40°'0	54°'0	4°'0	1°'5	*249	*259	73	88	NE	NE	—	—	—	Cold and blowly a. Clear and cold p.
Mean	29°'320	29°'321	51°'0	48°'5	41°'1	61°'0	2°'4	1°'7	*318	*307	84°'1	88°'3	—	—	—	—	—	2°'750

SCARBOROUGH.—JUNE 1888.

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.

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.	52.3	47.4	43.5	61.5	7.7	1.1	218	299	56	92	W	3	E	1	2	5	ins.	Bright day.
2	30.93	30.97	46.2	44.4	43.0	48.3	1.4	0.3	280	285	91	98	NE	2	NE	2	10	10	.480	Dull day.
3	29.64	29.68	55.6	57.9	43.0	68.5	2.0	2.9	384	394	87	82	E	1	W	4	6	1	.010	Dull a. Brilliant afternoon.
4	29.80	30.03	40.6	44.0	43.5	58.9	5.1	1.5	238	254	68	88	W	2	N	3	10	3	—	Dull a. Brilliant afternoon.
5	30.07	30.01	48.6	44.7	43.0	50.6	3.2	1.3	266	265	78	90	NE	3	E	4	5	10	—	
6	29.87	29.71	46.7	45.6	43.0	47.3	2.2	0.0	268	306	85	100	NE	4	E	2	10	10	.410	☁ in afternoon.
7	.62	.60	50.6	52.9	44.2	58.5	1.2	0.6	338	384	92	96	W	2	SW	2	5	10	.170	Fine a. ☀ 4p.
8	.57	.50	61.2	50.3	50.0	62.0	3.5	0.3	427	357	80	98	S	2	E	1	5	10	.400	☁ p.
9	.39	.44	54.6	56.9	50.3	61.8	0.6	0.6	409	446	96	96	E	1	W	3	7	10	.010	Cloudy, with ☁ showers.
10	.71	.90	55.3	52.0	49.0	61.7	1.0	3.3	407	393	93	78	W	5	W	3	3	5	—	Brilliant.
11	.88	.71	60.6	54.9	46.2	65.3	2.1	2.1	461	371	87	87	SW	3	S	1	1	10	—	Brilliant a. ☀ 4p.
12	.55	.45	57.4	57.4	50.2	69.0	2.1	1.3	409	431	87	92	S	4	SW	4	10	10	.020	Dull and warm.
13	.58	.65	59.6	50.6	44.7	62.9	5.5	1.3	351	335	69	91	SW	2	S	2	1	8	.100	Brilliant a. Tornado, with ☀ 4p.
14	.71	.76	56.6	53.0	45.0	58.7	6.0	1.5	301	361	65	90	N	4	SW	2	4	5	—	Bright a. ☀ in afternoon.
15	.72	.71	53.6	52.2	45.6	64.6	2.5	1.3	343	356	83	91	SW	3	NW	2	8	10	.170	Bright a. ☀ in afternoon.
16	.81	.89	50.1	46.6	46.0	52.8	1.1	0.7	333	301	92	95	NE	4	NW	5	10	10	—	Dull and damp p.
17	29.93	29.97	46.0	49.2	44.0	52.8	0.3	3.2	304	273	98	78	NW	4	N	2	10	10	—	Dull and cold.
18	30.03	30.09	49.3	46.9	45.0	51.7	1.6	0.8	309	301	89	95	N	5	N	5	10	10	—	☁ p.
19	30.09	29.98	47.9	46.7	45.6	49.9	1.9	0.8	287	299	87	94	NE	6	N	5	10	10	—	Fair, but with cold wind.
20	29.95	.91	48.5	48.4	45.7	49.5	0.3	0.1	334	338	98	99	N	3	E	2	10	10	.080	Dismal day. Wet ☁ p.
21	29.95	29.96	52.6	49.8	46.8	56.7	1.6	0.3	353	351	89	98	N	3	N	3	3	5	.230	☁
22	30.00	30.10	47.5	46.3	45.8	50.3	0.0	0.2	329	309	100	99	N	5	N	3	10	10	.120	Dull and cold, with ☁.
23	.14	30.09	46.0	45.7	44.0	48.1	0.1	0.0	308	307	99	100	N	4	N	6	10	10	—	Cold, with ☁ all day.
24	30.00	29.96	51.6	53.6	44.5	58.7	1.6	2.0	340	356	89	86	E	5	E	3	3	4	—	Fine and bright.
25	29.95	.88	57.0	54.6	49.9	62.3	2.7	0.8	388	403	83	95	NW	4	N	2	0	3	—	Brilliant and warm.
26	.75	.67	60.1	53.6	52.8	64.0	3.4	0.1	413	409	80	100	N	4	N	3	0	10	.020	Brilliant. Sea ☁ in evening.
27	.56	.45	51.5	55.8	51.0	61.0	0.0	0.7	381	424	100	95	N	2	S	1	10	10	.040	☁ in afternoon.
28	.33	.31	53.3	55.4	52.0	61.3	0.3	1.2	399	403	98	92	E	1	SW	4	10	9	.100	Damp ☁
29	.28	.38	52.2	47.8	47.4	55.7	0.2	1.2	385	302	99	91	N	3	NW	4	10	9	.150	☁ ga. Cold, with ☁.
30	29.44	29.67	48.3	47.6	46.0	54.8	0.3	1.8	331	286	98	88	N	4	NW	6	10	9	.030	Cold, with ☁.
Mean	29.778	29.781	52.3	50.4	46.4	57.6	2.1	1.1	343	340	87.2	92.5	3.3	3.0	6.8	8.2	2.540			

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JUNE 1888.

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.

1	30°05	30°08	49°8	46°8	42°1	55°2	4°6	2°0	251	273	70	86	NW	2	Calm	0	8	3	172	Dull day.	
2	29°06	29°78	47°8	53°6	46°4	53°6	0°8	0°6	312	394	94	96	E	3	ENE	3	10	10	090	Dull, with ☁ ⁰ (mist) ☉ showers.	
3	29°62	29°71	52°3	54°2	51°5	61°0	0°2	2°4	385	353	99	84	SW	2	W	3-4	10	10	004	Dull, with ☁ ²⁰ (mist) ☉ showers.	
4	29°87	30°01	53°4	50°0	47°8	58°3	4°7	3°2	288	282	71	79	NW	3	ENE	3	1	9	—	Fine day.	
5	30°01	29°92	49°0	50°8	44°5	55°1	4°0	3°0	255	296	73	80	ESE	5	ESE	5	7	10	160	Fine day. Squally ☉ at night.	
6	29°78	29°67	45°8	48°8	44°4	50°0	0°8	0°5	289	333	94	96	ESE	5	ESE	5	10	10	363	Squally ☉ (force 7) ☉ a. ☉ ² at night.	
7	29°56	29°55	51°0	50°3	48°0	53°0	0°2	0°3	309	357	99	98	SE	3	SW	2	10	10	330	☉ ² ☁ ⁰ (mist) ☉ a. Dull day. ☉ ² n.	
8	29°47	29°45	51°7	55°8	50°2	56°2	0°3	5°6	376	301	98	67	SE	2	E	2	10	9	137	☉ ² a. and n. Dull, with ☁ ⁰ (mist)	
9	29°44	29°60	57°8	51°0	50°6	62°5	0°8	2°0	454	323	94	86	NNW	2	W	2	10	10	010	☁ ⁰ (mist) ☉ a.	
10	29°82	29°91	53°0	49°8	45°7	58°0	4°2	1°8	295	312	73	87	WNW	5-6	WSW	3	4	9	—	Squally ☉ a. Fine day.	
11	29°85	29°65	54°1	52°3	45°0	59°3	2°7	1°3	343	357	82	91	S	4	S	4	6	10	150	Dull day. ☉ n.	
12	29°36	29°42	52°0	49°0	48°4	53°0	0°3	1°0	380	322	98	93	SSE	6	SW	3	10	3	080	Squally ☉ ☁ ⁰ (mist) ☉ a. ☉ p.	
13	29°55	29°65	55°0	47°4	45°8	56°6	2°8	0°8	354	307	82	94	Calm	0	W	2	4	4	—	Fine day. ☉ p.	
14	29°75	29°83	58°0	49°8	42°0	60°3	5°7	2°8	325	288	68	81	W	2	Calm	0	2	7	203	Very fine. ☉ p. ☉ n.	
15	29°73	29°78	49°9	50°5	47°0	56°8	0°1	0°8	357	347	99	95	S	3	NNW	2	10	3	056	☁ a. ☉ showers. ☉ ☁ ⁰ (mist) p.	
16	29°88	29°96	52°4	48°0	47°2	57°4	5°4	1°3	306	302	73	91	NE	5	NW	2	6	2	—	☉ a. Fine day. ☉ p.	
17	29°07	30°01	61°0	59°9	45°6	69°0	7°2	5°1	329	365	61	71	NE	2	N	4	1	10	—	Very fine.	
18	30°07	30°14	61°8	52°3	50°5	64°9	8°1	2°5	318	326	58	83	NE	4	NE	3	3	1	—	Very fine.	
19	29°13	29°02	54°0	54°1	47°0	62°8	4°0	0°1	310	417	74	92	NE	4-5	NE	4	2	6	—	☉ a. Very fine.	
20	30°00	29°92	56°7	52°0	45°0	64°9	3°4	0°8	363	366	79	94	E	4-5	NNW	4	0	7	108	a. Fine a. Cloudy p. ☉ 6p-8p.	
21	29°96	29°96	59°7	59°6	49°0	67°0	4°0	1°3	391	469	77	92	NE	5	NE	4	4	9	049	Fine, with squally ☉ a. Cloudy p.	
22	29°97	30°08	56°5	57°1	48°7	63°9	2°5	2°1	384	404	84	86	NE	6-7	E	2	7	10	—	Squally ☉ a. ☉ p.	
23	30°14	30°07	63°2	59°8	55°4	69°6	2°2	4°0	503	392	87	76	E	2	E	2	2	3	—	Very fine.	
24	29°95	29°90	66°7	60°1	46°5	72°4	6°7	2°3	427	446	65	86	ENE	3	E	3	6	7	003	Very fine.	
25	29°91	29°83	68°7	63°5	57°0	77°0	4°5	0°2	529	579	76	99	E	3	Calm	0	3	10	035	☉ ² ☉ p.	
26	29°72	29°65	72°5	60°0	56°0	73°7	10°4	0°6	424	431	53	66	E	3	Calm	0	2	10	267	Very fine till 3p. ☉ ☉	
27	29°52	29°39	62°3	60°0	53°0	65°0	2°9	1°0	464	485	83	94	SSW	1	NE	3	9	10	168	Overcast.	
28	29°32	29°33	58°9	54°9	52°0	60°0	1°1	0°9	462	405	94	94	SW	2	NW	3	10	10	045	Dull day.	
29	29°36	29°49	52°7	50°0	50°0	56°4	2°1	0°8	341	339	86	94	ENE	5-6	NNW	3	10	7	—	Squally ☉ ☉ a. Dull and squally p.	
30	29°60	29°76	58°6	49°8	46°4	61°2	7°6	2°8	291	288	59	81	NNE	2	NNW	4	3	3	—	Very fine.	
Mean	29°777	29°783	56°2	53°2	48°3	61°2	3°4	1°8	363	362	80°3	88°3	3°4	2°6	6°0	7°4	2°421				

STONYHURST.—JUNE 1888.

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.

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.	50.5	48.0	42.9	53.5	6.2	3.5	in.	in.	°/o	°/o	W	3	Calm	0	9	10	ins.	☉ ² a. Overcast.
2	29.81	29.87	50.5	48.0	42.9	53.5	6.2	3.5	.228	.253	62	70							.075	
3	79	63	46.0	47.0	45.1	50.0	1.4	0.8	.278	.303	90	91	NEBYN1	NNE	2	10	10	10	.365	
2	43	51	58.7	54.7	44.2	62.0	4.0	2.2	.376	.366	76	86	NEBYN1	swbyw1	4	10	10	10	—	
4	63	81	50.9	47.0	46.3	60.3	2.0	2.3	.323	.268	87	81	WBYN1	NEBYN2	10	9	10	10	—	Overcast and threatening a.
5	82	75	48.5	45.6	38.9	56.4	4.5	3.5	.239	.230	70	76	NEBYN2	NEBYN2	6	10	10	10	.084	
6	59	48	44.3	46.1	42.5	47.2	1.4	1.4	.260	.279	89	90	NEBYE1	NEBYN1	10	10	10	10	.100	☉ ² a. Dull and overcast.
7	38	37	55.3	54.7	44.4	61.1	3.1	1.5	.351	.385	80	90	Calm	0	Calm	0	9	10	.330	Overcast, with ☉ ² .
8	29	23	55.6	52.5	52.1	59.2	2.1	1.4	.383	.430	86	91	ESE	1	ENE	1	10	10	.132	Overcast, with ☉.
9	18	36	60.9	57.5	51.0	64.4	3.7	2.7	.417	.318	78	82	Calm	0	WbyN2		9	10	.081	
10	59	73	53.0	50.0	46.7	56.8	5.7	3.3	.263	.280	66	78	WbyN4	W	1	7	10	10	—	Fine and sunny.
11	66	48	57.2	54.9	46.8	64.6	7.7	4.0	.273	.325	58	75	SSE	3	Calm	0	2	10	—	Fine and sunny a.
12	26	26	50.2	49.9	49.0	60.0	3.5	1.7	.355	.315	78	88	SSE	4	Calm	0	10	10	.008	Overcast and squally, with ☉ ⁰ .
13	35	44	53.8	50.0	43.6	58.6	4.3	3.9	.302	.267	73	75	swbyw1	WbyS1		9	4	10	.048	☉ ² a. Frequent distant T Noon-2p.
14	53	61	54.1	50.0	42.4	58.6	5.2	3.8	.285	.269	69	75	WbyS1	Calm	0	7	8	10	.015	Fine and sunny.
15	54	52	53.7	51.2	43.7	55.9	3.5	3.6	.319	.288	77	77	SSW	1	NNE	1	10	9	.050	
16	57	70	52.5	51.8	47.0	59.5	4.0	3.8	.294	.290	74	75	NE	2	NNE	1	10	9	—	
17	73	77	54.3	57.0	41.6	67.2	5.8	4.0	.276	.351	66	75	NE	1	ENE	1	0	5	—	Fine and sunny.
18	84	91	58.9	49.7	47.6	64.2	6.6	3.5	.316	.272	63	76	NEBYN1	EbyN1		0	0	10	—	Fine and sunny.
19	89	80	56.7	53.2	40.8	66.1	6.7	6.0	.287	.259	62	64	NE	1	NEBYN1		0	10	—	Fine and sunny.
20	74	67	55.3	50.7	41.8	61.5	3.9	2.3	.333	.312	75	85	NE	1	NE	2	8	10	—	Overcast p.
21	71	73	56.3	55.5	48.1	68.6	4.0	2.0	.344	.384	75	87	NEBYE2	NEBYE2		9	9	10	.003	
22	76	85	56.3	50.0	48.5	58.8	4.1	3.0	.341	.286	74	80	NEBYN1	NE	1	10	5	10	.030	
23	90	84	60.0	55.1	43.6	70.0	6.3	5.1	.337	.301	65	69	NEBYN2	NNE	2	0	0	10	—	Fine and sunny.
24	71	68	62.0	57.9	47.0	70.1	6.8	4.4	.352	.356	63	74	NEBYE3	NEBYE2		2	0	10	.009	Fine and sunny a.
25	70	62	69.3	68.2	51.9	80.0	6.4	6.0	.480	.473	67	68	NNE	1	NEBYN1		0	9	—	Fine and sunny.
26	50	43	73.9	57.8	57.1	80.9	11.9	1.4	.409	.436	48	91	NNE	1	Calm	0	0	10	.008	Fine and sunny a. ∞ p. ☼☼☼ 9p.—11 p.
27	31	20	60.0	60.0	55.9	65.2	2.8	1.4	.429	.472	83	92	EbyS1	Calm	0	10	10	10	.495	Overcast and gloomy.
28	13	14	55.7	53.2	52.8	60.7	0.9	0.9	.419	.380	95	94	swbyw2	NW	2	10	10	10	.311	Overcast and gloomy.
29	11	23	54.0	49.8	49.0	54.1	0.8	1.8	.394	.312	94	87	WSW	1	NEBYE1		10	8	.035	Overcast, with ☉ showers.
30	29.34	29.51	50.5	50.6	47.2	57.2	5.3	4.4	.244	.263	66	71	NNW	2	NEBYE1		10	1	—	
Mean	29.559	29.570	55.8	52.6	46.7	61.8	4.5	3.0	.330	.324	73.6	80.8	1.5		1.1	6.7	7.9	2.270		

CHURCHSTOKE.—JUNE 1888.

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.

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.	52.1	47.9	37.8	53.1	6.2	0.8	in.	in.	0.4	0.5	NW 1	NW 1	10	10	ins.	Dull and cloudy.	
2	29.64	29.65	54.1	54.9	59.9	46.5	64.9	2.1	3.9	370	396	87	77	NW 1	W 1	10	10	0.020	Dull, close, and warm.
3	28	41	58.8	53.9	53.0	65.9	2.6	2.1	416	357	84	86	NW 2	NW 1	9	5	—	Dull a. Bright p.	
4	46	55	60.2	52.9	52.0	68.1	4.4	2.4	388	336	74	84	W 2	ENE 3	8	10	—	Cloudy a. Bright p.	
5	57	45	44.6	46.3	43.0	53.3	1.9	1.9	251	270	86	87	E 2	E 2	10	10	0.326	Cold and raw a.	
6	33	25	46.3	50.9	42.4	54.1	0.6	0.9	209	349	96	94	E 2	E 1	10	8	—		
7	19	16	59.2	53.9	50.0	64.4	4.4	1.7	371	367	74	88	SSE 2	SSE 2	9	10	0.124		
8	06	00	55.9	53.4	51.8	60.9	0.9	0.4	419	397	94	97	SSE 1	SSE 1	10	10	0.530	Dull day. 2 showers.	
9	00	24	58.5	49.9	49.2	63.3	2.5	1.9	415	309	85	87	SE 1	W 2	8	6	0.220		
10	45	56	54.3	48.9	46.0	60.1	7.4	3.0	243	273	58	79	NW 2	NW 1	8	8	—	Bright and fresh.	
11	49	31	56.9	53.4	41.0	67.1	8.5	4.0	251	304	55	74	NW 1	E 2	5	8	—	Bright and hot.	
12	06	10	56.3	47.3	46.2	61.6	4.1	2.4	339	270	75	83	SSE 2	W 2	9	8	0.048	Threatening and gusty.	
13	18	26	53.9	44.3	40.0	59.9	5.4	1.9	279	249	68	85	SW 1	SW 1	6	3	0.038	Breezy, with 2 showers.	
14	34	45	55.4	42.8	39.1	63.4	5.6	1.5	293	242	67	88	SW 1	WNW 1	8	8	0.160	Clear and fresh.	
15	38	31	48.9	52.4	41.5	63.4	0.9	0.9	323	369	94	94	SE 1	NW 1	10	10	0.026	Dull, with 2.	
16	37	49	51.1	46.8	45.1	58.5	3.1	0.9	298	298	79	93	NE 2	NW 1	10	2	—	Dull day.	
17	52	57	55.1	49.4	40.1	64.3	4.1	1.4	324	317	75	90	NNW 2	NNE 1	5	6	—	∞ on hills.	
18	62	67	57.7	51.1	40.8	67.9	7.2	2.3	288	316	60	84	NNE 2	NE 1	2	2	—	∞. Cold wind.	
19	66	56	53.7	52.7	44.0	66.1	6.0	3.5	264	306	65	77	NNE 2	NNW 1	5	8	—	Bright, but with ∞.	
20	52	41	51.4	49.4	35.0	57.9	3.0	1.4	302	317	80	90	NNW 1	NNW 1	9	10	0.188	Bright a. ∞ on hills. Dull, with	
21	46	45	50.9	57.4	48.4	65.5	0.9	2.6	349	396	94	84	NNE 1	NNW 3	10	10	0.050	Dull and cold. T	
22	52	61	53.9	54.9	50.8	58.1	1.1	0.9	384	404	93	94	NNE 2	E 1	10	10	—	Dull and heavy. 20 (mist).	
23	67	61	58.6	55.9	48.0	69.9	4.6	3.9	360	338	73	76	N 2	NW 1	0	2	—	∞ a.	
24	51	45	52.9	63.0	48.0	66.1	1.9	0.6	349	371	87	65	E 2	E 1	10	10	0.080	Dull, cold, and heavy.	
25	47	39	64.0	61.0	56.0	78.1	3.1	1.3	487	491	82	92	NNW 1	E 1	0	6	—	∞ a. T	
26	31	23	66.9	60.8	54.0	75.4	4.5	1.9	496	469	76	88	E 1	W 1	8	10	0.248	∞. K 2.45 p.	
27	29.12	00	65.0	54.3	53.8	67.7	6.1	0.5	416	407	68	97	ESE 2	W 1	9	10	0.605	2	
28	28.99	02	54.9	51.9	51.0	60.9	1.9	0.9	375	362	88	94	W 1	W 1	10	10	0.108	in evening.	
29	28.96	05	54.3	52.7	50.0	57.1	2.5	0.7	352	378	84	95	SW 1	W 1	10	10	0.020	in evening.	
30	29.14	29.35	56.9	42.8	42.0	60.6	0.9	0.9	296	255	64	93	NW 2	NW 1	8	0	—	Bright. Very cold in evening.	
Mean	29.559	29.364	55.5	52.1	46.2	63.3	3.8	2.0	341	341	77.6	87.0	1.5	1.3	7.9	7.7	2.821		

CARMARTHEN.—JUNE 1888.

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.

Day.	30° 00'	30° 00'	54.2	53.7	45.5	55.3	3.2	0.1	33.4	41.0	79	99	SW 2	SW 1	10	10	0.070	Fine a. 0 p.
1	29.64	29.65	69.6	61.1	53.4	74.2	7.4	5.1	45.7	38.1	63	72	SE 3	SE 1	5	1	—	Fine a.
2	69	79	55.1	53.7	53.0	62.2	1.8	0.9	38.1	38.6	88	94	SW 3	Calm 0	10	10	—	Dull day.
3	84	83	58.3	50.2	52.8	66.9	1.7	2.0	43.4	39.3	90	87	S 1	N 2	10	8	0.230	Fine day.
4	79	70	54.7	50.9	46.0	56.7	3.5	1.3	33.3	33.9	78	91	E 2	E 2	10	10	1.030	Dull a. 5 p.
5	66	60	50.0	53.9	45.1	60.1	1.1	1.1	33.1	38.4	92	93	E 1	E 1	10	10	0.250	2 before ga.
6	54	46	57.1	53.7	52.5	63.0	1.5	1.1	42.1	38.1	90	92	SW 3	SW 1	10	10	0.330	2 p.
7	38	30	56.1	54.7	52.4	64.4	0.3	1.1	44.1	39.6	98	93	SE 3	E 2	10	4	0.210	Frequent 2 showers.
8	41	68	55.9	52.7	51.3	61.0	1.1	1.2	41.5	36.5	93	92	NW 2	SW 1	10	10	—	Dull day.
9	89	94	59.2	47.8	45.6	60.8	8.6	1.3	27.7	30.1	54	91	N 1	N 1	6	7	—	Fair.
10	85	62	56.5	54.7	43.7	60.8	4.7	1.4	32.7	38.6	72	91	S 2	S 5	8	10	0.070	Dull day.
11	36	49	54.0	49.7	48.0	57.2	0.9	1.6	39.3	31.6	94	89	S 4	W 2	10	5	0.480	Overcast a. 2 showers p.
12	56	71	58.6	49.7	47.6	60.2	6.0	2.1	32.7	30.4	66	86	S 4	SW 2	5	3	0.080	Fair.
13	73	84	60.8	49.5	43.3	62.0	7.2	2.1	32.7	30.2	61	86	S 2	SW 1	5	4	0.370	2 showers.
14	68	67	55.2	53.7	46.0	65.9	0.1	1.7	43.3	36.5	99	88	SW 2	N 1	10	8	0.010	2 a.
15	72	84	60.2	50.7	46.6	62.2	4.8	1.9	37.7	32.2	72	87	N 2	E 1	8	5	—	Fair.
16	86	29.95	65.8	51.9	45.6	68.7	8.3	1.3	37.1	35.2	59	91	N 1	Calm 0	2	0	—	Fine day.
17	29.96	30.01	68.6	52.2	43.6	70.9	12.4	1.1	31.6	30.1	46	93	N 1	Calm 0	0	0	—	Very fine.
18	30.00	29.90	62.6	50.7	47.5	66.3	6.5	1.2	36.9	33.9	65	92	E 1	NW 1	0	10	—	∞ ga. Very fine.
19	29.85	72	56.0	55.1	45.5	63.7	5.4	1.7	30.5	38.4	68	88	E 1	N 2	6	10	0.050	2 p.
20	76	75	58.8	57.1	50.0	66.3	4.2	1.3	37.1	42.7	75	91	E 3	N 2	10	10	0.570	2 from 4 p.
21	84	94	55.2	55.4	54.3	65.2	1.4	1.1	39.4	40.6	91	93	E 2	Calm 0	10	0	—	Dull a.
22	97	90	68.3	63.8	52.6	74.2	9.4	6.5	38.1	38.6	55	65	NE 3	NE 3	0	3	0.120	Very fine.
23	78	75	54.3	60.0	53.8	64.6	0.7	1.0	40.1	48.3	95	94	E 1	Calm 0	10	0	0.010	Fine p.
24	77	75	71.2	66.2	59.8	80.5	5.7	3.7	54.1	50.9	70	80	E 3	Calm 0	6	10	0.050	∞. K 8 p.
25	70	62	60.2	57.4	50.8	69.5	1.4	1.4	47.5	42.8	92	91	W 1	SW 1	10	1	0.070	∞
26	43	37	59.1	55.7	54.3	61.4	0.6	0.6	48.2	42.5	96	96	S 1	SW 1	10	8	0.200	Overcast, with 2 all day.
27	41	42	50.1	54.4	50.4	63.2	4.9	1.5	35.8	37.9	72	90	W 3	W 1	7	10	0.130	Frequent 2 showers.
28	36	41	60.8	54.5	49.1	61.0	5.8	0.9	36.0	39.9	68	94	W 2	Calm 0	10	10	0.090	Dull day.
29	29.55	29.68	61.7	51.7	49.0	64.2	5.6	3.1	37.8	30.4	70	80	N 2	N 4	5	0	—	Fine day.
Mean	29.706	29.709	59.2	54.4	49.5	64.4	4.2	1.7	38.4	37.7	77.0	89.0	2.1	1.3	7.4	6.2	4.420	

MARGATE.—JUNE 1888.

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.

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.	56°0	51°4	47°3	62°9	1°7	3°4	399	294	89	78	W	2	S	2	9	9	ins.	—	Fine day.
2	30°15	29°06	61°0	59°5	47°1	71°1	9°0	6°3	290	330	54	65	S	3	E	2	9	3	—	—	Very fine.
3	29°88	29°88	72°4	59°5	57°0	80°6	8°4	7°7	477	299	60	59	S	3	SE	2	9	2	—	—	⊕ / . Very hot. Red sunset.
4	29°96	30°00	60°6	51°1	50°1	66°6	2°8	2°0	439	323	83	86	W	1	N	4	10	10	0°60	—	⊕ a. Dull day.
5	30°05	29°95	48°9	48°7	47°2	51°8	2°9	1°6	275	304	80	89	E	4	E	5	10	10	0°60	—	Cold, with / .
6	29°78	29°79	53°2	52°1	48°2	61°0	1°4	0°7	366	370	91	95	E	3	SW	2	10	0	—	—	Dull day.
7	77	76	61°0	55°1	45°3	68°1	5°8	2°0	362	377	68	87	S	2	S	3	7	10	0°50	—	before 9a. Much finer.
8	70	57	62°7	56°1	53°1	67°4	3°8	0°9	443	422	79	93	SE	2	E	2	9	5	0°60	—	Dull day. Double .
9	54	29°67	57°6	50°9	53°1	61°5	3°6	2°0	371	436	78	88	SE	4	W	4	10	10	1°70	—	Dull day. ● showers.
10	29°93	30°04	58°5	56°2	53°2	63°8	4°3	1°5	305	407	75	90	W	3	E	1	10	2	—	—	Very fine.
11	30°02	29°92	61°8	50°1	47°3	66°0	9°8	1°1	349	333	63	92	S	2	S	1	5	0	—	—	Very fine.
12	29°77	765	65°7	61°4	49°1	74°0	5°9	4°1	433	413	69	77	S	2	W	4	6	8	0°60	—	Very fine.
13	74	81	57°8	51°1	50°9	62°9	6°2	2°9	311	302	65	80	W	1	SW	2	7	0	0°30	—	Fine day.
14	82	91	51°1	49°1	47°3	57°0	3°4	2°1	290	296	78	85	SW	2	Caln	0	10	0	—	—	—
15	92	71	56°4	50°5	46°1	59°8	4°2	0°3	338	360	74	98	W	3	Caln	0	10	10	2°30	—	● showers. ● 29p.
16	75	29°89	53°2	52°3	48°9	56°6	3°0	3°3	325	306	80	78	NE	3	N	4	10	9	—	—	Dull and cool.
17	29°92	30°03	53°1	52°3	48°9	55°8	3°9	3°2	303	309	75	79	NN	3	NE	2	10	10	—	—	Dull a. Finer p.
18	30°05	30°11	50°1	50°4	48°0	53°0	3°3	2°3	280	307	78	85	NNW	2	NW	3	10	10	0°10	—	Very dull.
19	30°08	29°99	49°6	50°1	48°1	53°0	2°1	2°1	303	308	86	85	N	3	N	2	10	10	0°20	—	Very dull.
20	29°86	83	52°1	54°1	48°0	56°8	1°1	1°3	360	381	92	91	N	3	E	1	10	3	0°70	—	Dull a. Fine p.
21	84	29°85	57°0	54°4	50°3	59°9	1°9	0°4	490	412	88	97	NE	2	E	2	10	8	0°50	—	Fine a. ● p. <
22	29°96	30°02	57°3	56°8	50°1	65°7	0°6	1°7	451	412	96	89	S	1	SE	2	10	5	—	—	Much finer.
23	30°02	29°92	57°4	57°2	55°7	59°0	2°6	2°0	394	409	84	87	N	4	NW	4	2	2	0°10	—	Fine day. Very pretty sunset.
24	29°90	91	60°6	63°0	56°1	71°0	1°8	3°0	467	472	89	82	E	2	E	2	10	1	—	—	9a. Hot day. Very pretty sunset.
25	91	83	65°2	59°3	57°0	68°0	4°4	1°9	467	444	76	88	E	2	N	1	3	1	0°30	—	Very fine. <
26	76	71	61°8	57°3	57°1	68°0	1°7	0°7	492	449	90	95	Caln	0	SW	3	10	10	3°60	—	3a. Dull and heavy.
27	71	55	63°5	58°2	54°3	71°5	2°4	0°4	501	472	86	98	SSW	2	S	4	9	10	0°40	—	● p.
28	56	55	59°2	59°2	54°1	64°0	4°6	4°5	367	370	73	74	SW	4	W	3	10	8	—	—	Dull a. Fine p.
29	48	45	60°5	60°5	51°1	66°0	6°5	5°3	339	367	64	70	W	3	S	1	5	10	3°30	—	● showers. T
30	29°56	29°72	53°4	53°4	50°2	60°5	4°8	4°7	286	288	70	71	NW	3	NNW	4	9	10	—	—	Dull day.
Mean	29°84.8	29°83.8	58°0	55°0	50°7	63°4	3°8	2°5	275	366	77.8	84.4	2°3		2°4		8°6	6°2	1°630		

BABBACOMBE.—JUNE 1888.

Height above Mean Sea Level, 293 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 8° 31' W. Lat. 50° 29' N.

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.	54.2	52.0	47.1	63.2	3.0	3.1	.339	.307	80	79	S	2	SSW	2	10	9	ins.
2	81	65	57.9	53.8	48.5	60.6	3.7	1.7	.373	.366	78	88	ENE	2	NE	2	3	5	—
3	60	71	64.7	55.1	49.6	72.8	4.3	1.2	.464	.399	76	91	WSW	3	WSW	1	2	5	☉ n. and p. Fine and sunny. ☉ ⁺ 4 p.
4	73	71	58.8	55.0	51.5	61.6	2.7	1.0	.413	.403	84	93	ENE	2	NE	2	9	8	*090 ☉ 10a.—11a. ☉ showers. ☉ n.
5	71	62	51.0	51.6	50.5	56.9	1.0	1.4	.348	.345	93	90	E	5	E	3	10	10	*970 Squally a. Dull and gloomy. ☉ ⁺ 2
6	56	54	51.5	54.1	48.2	62.3	0.1	0.8	.378	.396	99	94	WNW	1	SSW	2	10	10	*060 Scotch ☉ ⁺ n. ☉ ⁺ 1a. ☉ ⁺ 9p.
7	51	45	57.1	53.0	50.4	62.6	1.6	0.0	.418	.403	89	100	S	3	SSE	3	8	10	*320 ☉ n. Dull and gloomy p.
8	31	18	53.4	52.8	52.4	59.8	0.2	0.0	.403	.400	98	100	SSE	4	SE	4	10	10	*220 ☉ ⁺ showers p. Scotch ☉ ⁺ 9p. Great [gloom 7p.—9p.]
9	30	60	58.5	51.1	51.1	64.4	2.4	2.2	.418	.318	86	84	NW	3	W	3	9	3	—
10	78	85	60.2	51.9	50.5	64.6	5.7	4.0	.355	.286	68	75	NNW	2	NW	2	5	9	—
11	80	64	57.7	54.1	46.3	60.9	4.1	0.6	.360	.401	76	96	S	2	SSW	3	8	9	—
12	39	46	56.4	49.9	49.8	56.9	1.8	2.0	.401	.368	89	86	S	5	WSW	2	9	5	*050 Dull 10a.—5p. Clear 6p.—8p. ☉ ⁺ p.
13	51	55	57.6	49.1	46.2	61.2	5.3	1.7	.329	.306	70	88	SW	3	SW	2	6	6	—
14	63	76	58.6	50.5	43.8	62.5	5.7	2.9	.333	.294	68	81	E	1	WNW	2	7	1	*080 ☉ ⁺ 1p. ☉ ⁺ p.
15	69	56	53.1	56.9	45.7	62.0	0.7	1.6	.384	.415	95	90	SW	3	WNW	2	10	9	*010 ☉ ⁺ (mist) a. Dull till 1p. ☉ ⁺ n.
16	62	70	60.8	51.2	50.5	61.1	6.9	1.8	.334	.329	63	88	ENE	1	NNW	1	3	9	—
17	77	84	57.1	48.7	47.3	61.7	4.9	1.3	.331	.311	71	91	NE	1	WNW	1	9	1	—
18	85	89	61.0	51.7	43.5	65.4	5.0	1.8	.384	.336	72	87	NE	1	S	1	3	1	—
19	89	79	50.4	51.1	49.5	52.9	1.8	2.5	.319	.311	88	83	ENE	3	NE	2	10	3	—
20	72	62	53.2	53.0	45.5	58.6	4.3	1.1	.295	.371	73	92	NE	3	N	2	8	10	*160 ☉ ⁺ 9a. ☉ ⁺ (mist). Very gloomy 8p.
21	64	65	52.1	56.5	51.0	62.6	0.4	1.3	.378	.418	97	91	S	3	NNW	2	10	10	*120 ☉ ⁺ (mist) till 11a. Very gloomy 8p.
22	71	80	61.3	50.4	50.4	62.3	2.0	0.2	.475	.361	88	98	NE	1	Calm	0	7	1	—
23	81	73	57.9	63.3	50.1	69.0	1.7	4.3	.428	.439	89	76	NNE	2	NNE	4	3	9	—
24	64	64	54.2	57.3	53.6	63.5	1.0	0.3	.391	.461	93	98	S	3	NE	1	10	6	*010 ☉ ⁺ 10p. ☉ ⁺ 11p. ☉ ⁺ p.
25	68	62	59.7	61.2	55.5	69.3	2.4	1.2	.436	.500	86	93	ENE	2	WSW	2	9	2	—
26	59	54	63.5	55.9	55.9	70.8	3.4	1.0	.469	.418	81	93	ESE	1	WSW	2	8	1	*170 Dull, with ☉ ⁺ (mist) a. ☉ ⁺ 2 n. and p.
27	37	33	56.9	54.9	52.9	60.0	0.0	0.7	.464	.410	100	95	SSW	2	WSW	3	10	3	*210 ☉ ⁺ a. Dull till 5p. ☉ ⁺ p. [(mist) p.]
28	36	39	56.7	54.9	50.7	64.1	0.9	2.2	.433	.369	94	86	W	3	W	3	9	9	*010 ☉ ⁺ n. and p. ☉ ⁺ showers.
29	31	33	58.9	56.9	51.2	68.1	3.9	1.8	.381	.409	77	80	W	3	W	2	4	10	*030 ☉ ⁺ showers 9a.—noon. Clear noon—5p.
30	29.41	29.57	63.9	53.2	53.2	65.6	4.9	3.2	.431	.321	73	79	NW	3	NNW	3	4	1	—
Mean	29.619	29.621	57.3	53.7	49.7	62.9	2.9	1.6	.389	.370	83.1	89.1	2.4	2.1	7.4	6.0	2.510		

LONDONDERRY.—JUNE 1888.

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.

1	30°12	30°16	50°2	45°7	41°0	56°1	5°3	3°3	241	235	67	77	NW	2	SW	2	10	10	220	
2	30°00	29°82	45°2	47°1	41°9	48°6	0°8	0°9	283	302	94	93	SE	2	SE	1	10	10	070	☉ ⁺ showers a.
3	29°65	29°80	52°6	47°7	46°0	55°5	0°7	1°6	377	291	95	89	SE	1	SW	2	10	10	010	
4	29°98	30°09	49°7	44°7	44°0	58°0	3°5	0°8	272	277	77	93	NE	2	NE	1	9	1	—	
5	30°08	29°95	54°7	51°4	39°0	59°5	5°8	3°1	280	301	66	80	E	2	NE	1	10	10	400	
6	29°81	63	44°9	49°7	44°0	52°0	0°5	1°3	286	323	96	91	NE	1	S	1	10	10	030	☉ ⁺ showers during day.
7	52	52	55°7	56°7	48°0	63°0	2°8	2°5	366	387	82	84	SE	2	S	2	10	10	100	☉ ⁺ showers during day.
8	46	50	54°7	56°2	51°0	65°3	0°8	3°3	405	360	94	79	S	2	NW	2	10	10	—	
9	60	60	55°2	49°2	46°0	57°5	2°3	3°0	370	278	85	79	NW	2	NW	3	10	6	020	
10	89	96	52°2	51°7	45°0	59°0	5°3	3°8	262	289	68	76	NW	2	SE	1	8	10	030	☉ ⁺ 0 showers a.
11	74	55	52°7	53°7	48°0	57°9	2°6	0°8	329	390	83	94	S	1	SW	1	10	10	1000	☉ ⁺ 2 showers all day.
12	26	33	55°4	49°8	48°9	57°5	2°5	2°1	368	305	84	85	SW	2	SW	1	10	10	210	☉ ⁺ showers during day.
13	55	68	55°7	49°8	47°5	63°0	5°5	1°9	301	310	68	86	SW	2	SW	1	9	9	—	
14	82	82	61°7	56°2	42°9	67°0	8°8	4°3	302	335	55	74	SW	2	S	1	5	10	310	
15	77	20°93	52°7	51°7	47°5	66°9	1°8	1°3	349	349	87	91	NW	2	N	1	10	10	—	
16	29°99	30°06	62°1	52°7	42°8	69°7	6°2	1°5	369	356	67	89	NE	1	NE	1	0	0	—	Fine and warm all day.
17	30°10	17	64°7	54°7	45°0	74°7	7°2	2°8	382	350	62	82	Calm	0	NE	2	0	0	—	Fine and warm all day.
18	21	23	57°2	54°7	48°0	71°0	5°1	1°8	327	376	70	88	NE	2	NE	1	7	2	—	Fine all day.
19	23	16	61°7	53°9	49°2	71°2	5°8	2°7	373	340	69	82	NE	2	NE	1	10	3	—	Fine and very warm.
20	11	06	63°7	54°9	46°8	71°6	7°3	2°8	364	353	62	83	NE	2	NE	1	4	3	—	Fine and clear all day.
21	08	11	60°4	57°1	52°5	72°0	3°9	3°0	404	379	77	82	NE	2	NE	1	6	1	—	Fine all day.
22	11	17	63°4	59°2	51°0	73°2	7°5	3°6	355	394	61	79	NE	2	NE	1	3	4	—	Fine all day.
23	22	30°16	70°7	57°2	50°8	75°0	9°0	2°9	431	383	57	82	E	1	Calm	0	0	0	—	Fine and clear all day.
24	30°06	29°05	68°7	64°7	49°5	75°0	6°9	9°8	411	54	67	E	2	NE	1	0	10	020	☉ ⁺ Fine all day.	
25	29°95	87	68°7	68°9	56°8	82°4	10°9	4°5	351	333	50	76	NE	2	SE	1	5	7	—	
26	77	65	73°7	67°7	63°0	85°0	10°6	2°8	440	571	53	85	S	1	SE	2	10	10	050	☉ ⁺ 6 p. ☉ ⁺ 6 p.—8 p.
27	53	48	64°7	59°9	59°0	68°6	5°3	1°0	434	484	71	94	SE	2	W	1	10	10	430	☉ ⁺ all day.
28	43	42	56°6	56°7	55°0	61°0	0°8	0°4	434	448	95	97	W	2	SW	2	10	10	710	☉ ⁺ all day.
29	48	63	59°0	50°2	48°0	63°6	2°0	1°8	436	317	88	88	NW	2	N	2	10	2	—	
30	29°76	29°90	57°7	49°7	45°5	62°0	3°0	3°1	389	281	82	80	NNW	2	NW	2	4	4	—	Fine all day.
Mean	29°843	29°848	58°2	54°1	48°1	65°4	4°8	2°5	355	357	74°0	84°2	1°7	1°3	7°3	6°7	3°610			

ARMAGH.—JUNE 1888.

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.

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.	51.4	45.6	41.0	54.5	4.8	1.4	in.	in.	%	%	NNW	0.5	E	1	10	10	ins.	☼ ⁰ (mist) 9p.
2	29.99	30.02	48.0	49.9	42.9	52.7	1.0	0.0	264	274	70	90	E	1	E	1	10	10	1.00	
3	83	29.67	48.0	49.9	42.9	52.7	1.0	0.0	309	360	93	100	SE	1	E	1	10	10	—	
4	54	66	54.4	51.0	49.5	63.6	0.7	1.2	404	343	96	92	SW	1	W	1	10	10	—	
5	83	79	53.8	47.9	44.1	57.6	4.7	2.2	292	285	71	85	NNW	1	E	1	8	9	—	
6	90	79	53.2	49.9	41.2	54.5	6.1	3.2	357	281	64	79	ENE	2	E	1	10	10	113	
7	66	50	45.0	49.6	43.8	50.6	0.4	0.6	289	340	97	96	ESE	2	SE	2	10	10	084	
8	41	40	53.1	54.6	49.0	61.0	0.5	2.1	390	367	96	87	SSE	1	SSE	1	10	10	215	
9	32	36	53.7	52.9	51.1	61.2	0.8	0.9	390	375	94	84	SE	1	SE	0.5	10	7	095	☼ after 10p.
10	42	58	52.3	47.5	45.0	59.0	0.3	1.8	384	285	98	87	SSE	1	WNW	1	10	7	—	
11	79	84	54.5	51.6	42.8	61.4	5.7	3.5	280	294	66	77	W	1	WSW	1	4	10	008	
12	67	44	53.0	51.2	48.5	57.0	2.8	0.2	327	371	81	98	S	2	SW	1	10	10	792	
13	15	24	53.9	48.9	48.0	57.3	1.0	2.2	387	294	93	85	S	2	SSW	2	10	7	150	
14	43	56	52.9	47.1	43.2	60.3	4.0	0.6	299	310	74	96	SW	1	SW	0.5	8	6	095	
15	68	72	57.4	55.0	41.0	63.5	3.4	5.0	373	302	79	70	SW	1	SW	0.5	4	10	196	
16	60	78	60.8	48.7	48.0	60.8	3.1	0.7	434	324	82	95	SW	1	NNW	1	8	2	—	
17	84	29.91	57.3	49.8	46.0	58.1	5.1	1.5	339	320	70	89	NE	2	E	0.5	7	0	—	
18	29.95	30.00	54.0	52.8	41.1	60.3	6.4	2.8	392	325	65	81	ENE	0.5	NNE	1	0	0	—	Fine all day.
19	30.05	30.09	57.8	57.0	44.0	67.2	4.0	2.3	365	397	77	85	NNE	1	E	1	8	8	—	
20	30.08	29.99	57.7	53.2	44.0	64.8	5.8	2.9	319	328	67	81	ENE	1	NE	1	7	9	—	
21	29.96	88	53.7	59.9	44.2	65.0	3.7	3.3	314	413	76	81	ENE	1	NNE	1	4	9	010	
22	92	29.92	56.4	57.7	50.4	65.6	2.8	1.7	375	425	83	89	ENE	1	NE	1	10	8	—	
23	29.95	30.01	59.8	56.8	49.0	65.0	3.0	1.9	420	405	82	87	NE	2	NE	2	8	10	—	
24	30.08	30.01	61.2	60.0	48.4	70.5	2.0	5.0	474	369	88	71	NE	1	ENE	1	2	0	—	
25	29.91	29.80	62.6	61.5	47.0	71.2	6.6	3.4	365	436	65	80	NE	2	E	2	7	10	—	
26	81	73	67.4	67.0	54.1	75.5	3.8	4.0	529	515	79	78	E	2	SE	1	3	7	—	
27	63	53	69.0	63.9	58.0	75.6	7.1	4.0	454	460	64	77	E	2	S	1	6	8	—	
28	41	34	59.0	57.9	54.9	64.5	1.2	0.1	461	462	93	99	SE	3	Calm	0	10	10	230	
29	33	46	55.0	50.0	49.7	60.5	0.4	1.5	421	322	97	90	NW	1	W	1	10	10	750	
30	29.60	29.74	57.8	48.2	41.0	60.9	5.9	2.0	319	288	67	86	NNE	1	N	1	10	3	011	
31	29.60	29.74	57.8	48.2	41.0	60.9	5.9	2.0	319	288	67	86	NNW	1	N	1	2	1	—	
Mean	29.702	29.707	56.4	53.3	46.8	62.2	3.2	2.1	369	355	80.8	86.7	1.3	1.0	7.5	7.4	4.849			

DUBLIN (PHENIX PARK).—JUNE 1888.

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.

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	47.7	38.9	49.9	6.5	3.5	in.	in.	9/10	9/10	ESE 2	ESE 2	10	10	ins.	Dull and cloudy.
2	29.86	29.71	51.3	60.5	45.6	64.9	0.4	4.1	3.67	4.00	97	76	E 2	SSW 1	10	7	0.050	Dull, with $\frac{1}{2}$ a. Distant T p.
3	63	73	58.6	56.0	51.1	64.8	3.8	1.4	3.80	4.08	77	91	SW 2	W 1	9	5	0.175	Cloudy day. $\frac{1}{2}$ shower p.
4	88	97	49.2	46.7	45.9	56.3	1.7	1.7	3.08	2.79	89	88	NNW 1	Calm 0	10	2	0.100	Dull, with $\frac{1}{2}$ a. Cloudy p.
5	93	82	47.2	49.7	39.8	51.9	1.8	1.5	2.82	3.18	88	89	E 2	ENE 1	10	10	0.710	$\frac{1}{2}$ a. and p. Dull day.
6	66	57	47.1	53.1	44.6	55.6	0.5	1.3	3.12	3.68	96	91	ESE 2	SSE 1	10	8	0.080	$\frac{1}{2}$ a. Dull day. $\frac{1}{2}$ showers p.
7	49	47	57.0	53.5	51.1	62.6	2.1	2.2	4.02	3.48	86	85	SSW 2	ESE 2	9	10	0.305	$\frac{1}{2}$ showers a. Dull and cloudy.
8	35	39	56.3	53.1	51.0	62.8	1.2	0.9	4.18	3.79	92	93	NE 2	Calm 0	7	9	0.075	Cloudy day.
9	48	63	54.6	53.4	51.6	58.8	1.8	2.6	3.75	3.37	89	83	NW 2	WSW 2	10	8	0.010	Dull a. Cloudy p.
10	88	92	54.1	51.8	41.0	61.6	6.0	3.6	2.68	2.95	65	76	W 3	SSW 1	6	7	—	Fine day.
11	76	53	57.2	57.6	49.9	60.2	6.4	3.4	2.98	2.77	63	79	SSW 2	SSE 3	9	9	0.220	$\frac{1}{2}$ showers a. Dull day.
12	26	36	54.9	50.4	47.5	57.7	2.7	2.7	3.56	2.93	82	82	SSW 2	SSW 2	9	4	0.230	Dull a. $\frac{1}{2}$ shower p.
13	52	61	54.5	49.5	46.7	60.7	4.7	3.4	3.02	2.72	71	77	SW 2	SW 2	4	1	0.050	Beautiful a. $\frac{1}{2}$ showers p. Distant T p.
14	75	80	55.3	56.2	36.0	64.7	6.3	4.3	2.78	3.35	63	74	Calm 0	SSW 2	3	9	0.200	Beautiful day.
15	68	80	59.7	54.8	49.6	64.8	2.4	2.6	4.36	3.57	86	83	WNW 2	NNW 1	8	9	—	Cloudy day.
16	86	29.94	55.8	49.4	46.2	58.6	4.7	2.1	3.21	3.00	72	86	NNE 3	NNE 1	6	3	—	Fine day.
17	29.97	30.02	63.3	55.8	37.7	66.6	7.2	2.2	3.61	3.84	62	86	NNE 1	Calm 0	1	1	—	Beautiful day.
18	30.08	12	62.7	51.6	44.1	64.0	5.9	2.0	3.86	3.30	68	86	NNW 1	Calm 0	1	2	—	Beautiful day.
19	30.11	30.02	57.3	48.6	46.8	59.6	5.5	1.7	3.20	3.02	68	88	NE 2	Calm 0	1	4	—	Beautiful day.
20	29.99	29.91	55.7	55.7	45.5	60.8	4.2	2.9	3.31	3.64	74	82	ENE 3	NNE 2	4	10	0.100	Beautiful day.
21	91	29.92	51.8	53.7	51.0	62.4	0.9	1.7	3.61	3.64	93	88	NE 3	ENE 2	10	4	0.015	Dull a. $\frac{1}{2}$ showers. Cloudy p.
22	29.97	30.03	52.9	52.3	50.8	58.3	2.0	1.1	3.46	3.62	87	92	NE 2	Calm 0	10	5	—	Dull a. Cloudy p.
23	30.10	30.04	60.2	51.7	47.4	64.9	5.6	1.8	3.57	3.37	68	88	NE 2	Calm 0	2	1	—	Beautiful day.
24	29.94	29.83	56.7	56.7	46.9	61.6	4.1	1.7	3.46	4.09	75	89	ENE 2	Calm 0	9	10	—	
25	84	79	64.9	58.3	54.2	70.4	4.0	1.2	4.76	4.49	78	92	ESE 1	ESE 1	8	8	0.010	Cloudy day.
26	68	61	70.1	59.6	53.1	73.2	5.6	2.7	5.24	4.26	71	83	ENE 1	W 1	2	2	0.010	Bright a. Cloudy p.
27	45	40	57.1	56.4	47.5	59.7	1.0	0.4	4.36	4.43	93	97	E 2	Calm 0	10	10	1.130	Dull, with $\frac{1}{2}$ showers.
28	39	41	55.8	53.9	51.9	56.9	3.1	2.0	3.60	3.59	80	87	W 3	W 2	10	10	0.360	Dull, with $\frac{1}{2}$ showers.
29	36	30	55.1	53.1	51.1	62.3	0.4	1.2	4.23	3.70	97	91	NW 1	Calm 0	10	10	0.020	Dull, with $\frac{1}{2}$ a. Cloudy p.
30	29.63	29.77	55.8	49.7	44.0	63.3	4.0	1.4	3.38	3.21	76	90	NNW 2	Calm 0	2	2	—	Beautiful day.
Mean	29.749	29.755	56.1	53.4	47.0	61.3	3.6	2.2	3.56	3.51	78.9	85.6	1.9	1.0	7.0	6.3	3.835	

PARSONSTOWN (BIRR CASTLE).—JUNE 1888.

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.

1	29.99	29.96	48.1	49.7	44.3	50.1	1.2	1.6	3.06	3.16	91	89	Calm 0	SE 1	10	10	0.03	● ⁰ all day.
2	78	65	56.9	57.7	48.6	67.7	2.8	2.4	3.81	4.06	83	85	SE 1	Calm 0	10	9	—	Dull and calm. T p.
3	63	74	58.3	56.7	53.7	64.5	2.6	1.8	4.09	4.06	83	88	SW 2	SSW 1	10	10	1.10	Gusty wind.
4	91	90	49.7	53.3	45.7	62.8	1.8	3.3	3.12	3.18	88	78	Calm 0	E 1	10	10	0.04	Dull a. Sunny 1p.—4p.
5	85	73	49.7	49.5	45.8	53.8	0.8	1.2	3.36	3.23	94	91	Calm 0	Calm 0	10	10	1.680	∞ a. ● ² from 11.30a.
6	60	50	52.6	54.0	47.1	63.7	1.7	1.8	3.50	3.79	85	89	SE 1	SSE 2	10	10	0.00	● ² in past n. ● ⁰ showers.
7	45	36	56.4	53.3	51.7	61.7	2.1	1.4	3.93	3.67	87	90	Calm 0	SE 2	10	10	1.15	∞ a. Gusty wind. [7.30p.
8	31	37	58.9	54.5	52.4	64.7	2.2	1.0	4.29	3.96	86	94	Calm 0	Calm 0	10	9	1.90	∞ a. and p. ● ¹ showers. ● ² 1p.
9	53	68	52.3	48.7	47.0	57.7	1.2	1.8	3.60	3.01	92	87	WNW 1	W 1	10	6	—	
10	88	89	55.3	51.9	40.7	59.1	5.2	2.5	3.02	3.21	69	84	WNW 2	Calm 0	7	10	0.84	∞ 6a. Gusty wind.
11	68	49	53.1	51.7	49.4	58.5	1.1	0.8	3.73	3.62	92	94	SSE 2	Calm 0	10	10	1.315	● ¹ all day. ∞ ² p.
12	26	33	50.7	46.5	45.8	57.7	1.5	1.2	3.31	2.88	89	91	SW 1	SW 1	10	7	1.135	● ¹ till 6a. ● ¹ showers.
13	49	59	54.8	47.1	45.0	59.4	4.9	0.3	3.02	3.17	71	98	SW 2	Calm 0	7	0	1.88	Bright a. ● ² showers all day. 3.30p.
14	73	77	56.3	56.3	37.7	62.9	5.4	3.6	3.11	3.54	69	77	Calm 0	Calm 0	3	10	2.40	● ¹ showers all day. Δ 6p.
15	70	82	50.2	53.9	49.8	65.5	2.4	2.9	4.28	3.35	86	81	WSW 1	NW 1	8	10	—	Bright and warm.
16	86	29.90	50.7	51.6	44.9	61.7	1.7	2.8	3.26	3.12	88	81	Calm 0	Calm 0	10	2	—	Bright and warm a.
17	29.97	30.01	61.3	60.4	42.2	70.1	5.7	3.7	3.69	4.10	69	78	Calm 0	Calm 0	0	1	—	Gloomy, with ∞ a.
18	30.08	08	59.9	57.1	45.8	68.8	5.0	4.2	3.68	3.48	71	75	NNW 1	Calm 0	0	0	—	Bright, warm, and calm.
19	30.07	30.00	61.7	54.8	47.7	66.7	7.4	3.6	3.33	3.32	61	77	SE 3	Calm 0	0	6	—	Bright and warm. ∞ ⁰ p.
20	29.95	29.90	59.0	56.3	44.7	65.2	6.1	4.2	3.28	3.39	66	74	ENE 2	Calm 0	0	9	0.014	Bright and warm.
21	89	29.89	56.1	59.5	50.8	64.7	4.1	4.9	3.39	3.65	74	71	NE 3	ENE 2	8	10	—	Cool a. Warm p.
22	29.92	30.00	58.7	57.0	49.4	63.7	5.3	3.2	3.44	3.72	69	80	ENE 3	E 1	8	10	—	Gusty wind.
23	30.07	30.02	63.3	58.5	53.2	72.7	5.4	5.6	4.08	3.35	71	68	ENE 2	Calm 0	0	0	—	∞ a. Bright and warm.
24	29.88	29.79	64.2	60.5	47.0	67.0	6.7	3.5	3.88	4.16	64	79	ENE 3	SE 1	10	10	—	Cir. from 5a. Mild and gusty.
25	78	74	69.7	64.6	57.0	76.1	5.3	3.1	3.55	3.50	72	83	SE 2	Calm 0	7	0	—	∞ a. Very bright and warm.
26	68	56	63.5	59.6	56.5	70.8	2.7	3.1	4.93	4.15	84	81	Calm 0	SSE 2	9	10	0.09	Very red sunset.
27	39	42	64.6	56.3	55.8	66.7	4.8	2.4	4.47	3.84	74	84	S 1	WNW 1	10	10	1.62	● ¹ showers.
28	44	55.8	54.1	52.0	58.9	3.5	2.2	3.50	3.56	79	84	SW 3	SW 1	10	10	1.66	Wind gusty. ● ¹ in afternoon.	
29	33	52	56.9	54.8	51.9	65.8	1.8	1.5	4.09	3.87	89	90	W 2	WNW 2	10	10	1.40	● ¹ showers a. ● ² in afternoon.
30	29.66	29.78	55.0	54.4	43.9	66.1	4.3	3.1	3.18	3.38	74	80	NW 2	Calm 0	4	7	—	Bright and warm, with cool breeze.
Mean	29.724	29.727	57.1	54.8	48.3	63.8	3.6	2.6	3.69	3.60	79.1	83.4	1.3	0.7	7.4	7.5	4.835	

SWANBISTER.—JULY 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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. 29.83	ins. 29.82	48.0	46.2	44.0	52.0	3.2	2.7	in. .259	in. .253	78	82	NNW 2	NNW 0.5	—	—	ins.
2	.69	.46	47.8	47.0	40.0	49.0	2.8	1.5	.265	.287	80	90	ESE 3	E 5	—	—	—
3	.32	.29	51.2	49.0	44.0	55.0	4.4	1.2	.270	.317	72	92	NE 5	NNE 3	—	—	—
4	.24	.31	52.2	47.6	46.0	54.0	3.2	3.2	.308	.255	79	78	NNE 5	N 3	—	—	—
5	.39	.55	50.0	44.8	44.0	52.0	3.5	4.3	.276	.208	77	70	NNE 3	N 2	—	—	—
6	.64	.75	45.6	43.0	39.0	51.0	2.2	2.5	.256	.225	84	81	NNW 2	N 1	—	—	.030
7	.78	.81	51.0	44.1	42.0	59.0	3.6	2.6	.285	.233	76	80	WNW 2	SSW 1	—	—	—
8	.72	.62	54.4	51.5	40.0	58.0	4.8	1.5	.298	.342	70	90	W 1	Calm 0	—	—	.220
9	.37	.61	52.5	45.2	45.0	54.0	0.3	0.7	.387	.285	98	95	W 3	NNW 8	—	—	.350
10	.56	.62	47.5	46.4	41.0	48.0	1.3	0.6	.297	.301	91	96	WNW 1	N 5	—	—	.430
11	.71	.76	48.8	46.8	43.0	49.0	1.5	2.0	.307	.273	89	86	NNW 5	NNW 5	—	—	—
12	.81	.86	51.0	49.2	45.0	54.0	3.2	1.2	.294	.319	79	92	NW 5	NW 3	—	—	.240
13	.75	.83	51.5	50.5	46.0	52.0	0.1	0.0	.376	.368	99	100	WNW 2	WNW 2	—	—	.280
14	.81	.80	52.7	51.5	49.0	53.0	0.0	0.3	.399	.373	100	98	WNW 1	NNW 1	—	—	.030
15	.73	.64	49.0	48.2	46.0	52.0	0.0	1.2	.348	.307	100	92	ESE 3	SE 3	—	—	—
16	.58	.54	49.8	50.0	46.0	51.0	1.1	0.1	.330	.358	92	99	E 3	E 3	—	—	.030
17	.53	.60	56.8	54.0	48.0	62.0	1.8	2.0	.408	.360	88	86	ENE 4	NNE 2	—	—	—
18	.62	.73	60.4	63.0	51.5	67.0	4.1	1.0	.398	.540	76	94	NNE 4	Calm 0	—	—	—
19	.70	.71	64.8	54.0	50.0	69.0	7.3	1.5	.381	.374	62	90	WNW 1	S 0.5	—	—	—
20	.69	.68	54.5	50.5	47.0	58.0	1.5	0.5	.382	.355	90	97	SE 1	ENE 1	—	—	—
21	.65	.64	52.0	50.5	49.0	54.0	2.0	2.9	.335	.295	86	81	E 3	ENE 2	—	—	—
22	.60	.58	53.5	49.6	47.0	54.0	4.2	2.3	.301	.298	74	84	ENE 3	ENE 3	—	—	.140
23	.38	.19	51.0	52.0	48.0	53.0	0.2	0.2	.369	.383	99	99	ENE 4	NNW 0.5	—	—	.840
24	.22	.29	50.3	52.0	49.0	57.0	0.0	0.6	.365	.372	100	96	Calm 0	Calm 0	—	—	—
25	.36	.38	52.0	52.5	47.0	57.0	0.8	0.9	.366	.370	94	94	S 0.5	ENE 1	—	—	.010
26	.39	.48	51.5	49.6	49.0	54.0	0.0	1.4	.381	.319	100	90	NNE 3	N 1	—	—	—
27	.59	.69	50.7	46.0	44.0	52.0	2.2	1.5	.314	.276	85	90	NNW 2	NNE 1	—	—	—
28	.68	.72	50.2	46.0	42.0	54.0	4.2	1.2	.263	.285	73	92	NNE 3	NNE 3	—	—	.010
29	.68	.65	47.6	47.0	44.0	52.0	2.6	1.7	.268	.282	82	88	NE 2	NNE 2	—	—	—
30	.59	.55	50.0	48.2	42.0	53.0	3.5	2.4	.276	.279	77	84	NNE 3	NNW 2	—	—	.010
31	29.56	29.66	51.3	50.0	43.0	54.0	4.1	2.1	.278	.307	74	85	WNW 3	W 2	—	—	—
Mean	29.586	29.607	51.6	49.2	45.2	54.6	2.4	1.5	.324	.316	84.6	89.4	2.7	2.1	—	—	2.590

BRAEMAR.—JULY 1888.

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.

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.	51.3	50.3	39.5	64.5	0.1	0.8	in.	in.	%	%	NE	1	NE	1	2	4	ins.	—	Fair, clear, and cold.
2	28.74	28.75	51.3	50.3	39.5	64.5	0.1	0.8	.237	.273	63	75	E	1	NE	4	7	10	2.000	—	Dull, with ☉.
3	.61	.24	54.5	47.5	43.1	60.5	5.0	0.7	.295	.311	70	96	E	1	NE	4	7	10	.300	—	Dull, with ☉.
4	.17	.23	45.6	46.8	45.0	53.5	1.1	1.3	.280	.289	92	91	NE	0.5	NE	1	10	8	.030	—	☉ showers.
5	.19	.24	48.5	47.3	45.3	54.9	2.0	3.3	.292	.250	87	77	NE	0.5	NE	0.5	9	7	.020	—	☉ showers.
6	.52	.45	46.4	43.8	43.1	50.5	2.6	1.4	.256	.254	82	89	NE	0.5	NE	0.5	7	7	.010	—	☉ showers. Snow on hills.
7	.55	.66	47.7	45.8	39.8	52.5	3.4	3.3	.252	.237	77	77	NE	0.5	NE	0.5	8	7	.010	—	☉ showers.
8	.73	.74	52.8	48.7	37.7	56.8	6.5	1.9	.246	.297	62	87	NE	0.5	NE	0.5	3	7	.010	—	☉ showers.
9	.70	.60	50.8	51.5	37.2	57.8	4.3	3.0	.268	.305	72	80	NE	1	SW	2	6	7	.060	—	Fine day.
10	.45	.56	56.6	45.1	45.1	58.5	4.8	3.4	.327	.226	71	76	SW	2	SW	8	7	7	—	—	(gale) 3 p.—11 p.
11	.60	.51	46.1	41.6	40.3	50.9	3.6	3.0	.234	.203	75	78	SW	2	N	4	8	7	.280	—	Cold and stormy.
12	.66	.75	50.4	44.9	41.5	50.5	4.6	1.4	.257	.265	71	90	NW	4	NW	2	7	7	—	—	Damp and squally.
13	.78	.79	53.0	53.3	42.7	59.4	6.5	6.8	.248	.245	62	61	NW	1	NW	0.5	2	8	.030	—	Fine day.
14	.78	.80	53.3	57.6	48.6	64.5	1.6	4.8	.362	.341	89	72	NW	0.5	NW	0.5	8	7	.130	—	
15	.78	.72	58.6	56.9	51.6	69.9	4.1	2.0	.372	.403	76	87	NW	0.5	NW	0.5	8	10	.100	—	Fine a. ☉ p.
16	.67	.58	54.0	51.5	51.5	60.5	1.4	1.0	.390	.355	91	94	NW	0.5	NW	0.5	10	10	.200	—	☉ (mist) ga. Dull and damp.
17	.49	.44	48.3	46.7	46.1	54.5	6.1	0.4	.208	.310	62	97	NW	0.5	NW	0.5	10	10	.350	—	Dull. ☉ all day.
18	.38	.48	51.9	51.5	46.0	54.5	0.5	0.8	.373	.360	97	95	E	0.5	NE	0.5	10	10	.340	—	☉ all day. ☉ (mist) 9p.
19	.55	.69	58.4	53.6	49.4	67.9	2.9	1.4	.402	.372	82	90	NE	0.5	E	0.5	7	1	—	—	Fine day.
20	.70	.68	62.1	57.6	40.6	69.3	7.6	3.2	.334	.381	60	80	NE	0.5	SE	0.5	2	1	—	—	Fine day.
21	.64	.62	62.6	57.1	42.3	70.8	5.1	4.4	.406	.343	72	74	SE	0.5	S	1	6	7	—	—	Fine day.
22	.54	.53	54.2	51.7	50.2	62.8	2.7	1.2	.345	.352	82	92	NE	0.5	SE	1	8	10	.260	—	Dull and damp. T p.
23	.49	.48	54.5	52.5	49.2	57.5	2.0	1.2	.368	.362	87	92	SE	4	SE	0.5	8	10	.430	—	Dull and damp.
24	.27	.24	54.2	51.0	50.2	61.5	2.4	1.5	.353	.336	84	90	SE	2	SW	0.5	9	8	.050	—	Dull and damp.
25	.22	.28	57.3	52.5	45.1	61.5	4.5	2.0	.343	.341	73	87	SW	1	SW	0.5	7	7	.110	—	Fair a. ☉ showers p.
26	.32	.35	55.1	52.5	44.5	61.9	2.6	1.0	.361	.368	83	94	SW	0.5	NE	0.5	8	3	.030	—	Fair a. ☉ showers p.
27	.32	.41	53.7	51.8	46.3	56.5	2.8	2.3	.336	.326	81	85	NE	0.5	NE	0.5	8	10	.110	—	Fair a. Cold, with ☉ (sleet) p.
28	.52	.54	57.6	47.7	47.7	58.5	6.1	1.2	.311	.301	66	92	E	0.5	NE	0.5	7	10	.600	—	Fair a. Cold, with ☉ (sleet) p.
29	.55	.60	47.2	45.2	44.3	50.5	1.5	0.7	.288	.285	90	95	NE	1	NE	0.5	7	10	.200	—	Fair a. Cold, with ☉ (sleet) p.
30	.58	.56	47.5	45.6	43.3	53.3	2.2	2.1	.276	.259	85	85	NE	2	NE	1	8	10	.020	—	Fair a. ☉ p.
31	.40	.50	47.7	45.6	40.3	50.7	2.9	3.1	.263	.238	80	78	NE	1	NE	0.5	7	7	—	—	Fair a. Cold p.
Mean	28.526	28.537	52.7	49.8	44.6	58.5	3.7	2.3	.307	.305	77.1	85.0	N	2	NW	0.5	7	3	.010	—	Fair a. ☉ showers p.

LAUDALE.—JULY 1888.

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.

1	30.06	29.92	56.8	56.0	39.3	65.1	5.4	4.5	316	329	68	73	Calm	0	SW	1	0	7	—	Fine day. Much cir. NW.—SE.
2	29.71	30	57.2	54.0	52.7	60.5	5.5	1.1	318	385	68	92	NE	4	SE	2	10	10	520	☉ (mist) p. ☉ all evening.
3	31	36	53.8	50.2	49.7	57.6	2.5	0.5	345	351	83	97	E	2	E	1	10	10	192	☉ (mist) ☉ showers all day.
4	31	35	55.0	54.0	48.2	58.8	3.0	3.0	349	334	81	90	E	1	ESE	2	10	10	020	☉ (mist) a.
5	48	65	53.0	51.2	49.5	54.9	4.0	3.4	299	290	74	77	SE	2	SE	2	10	10	—	
6	78	29.87	52.0	49.9	41.0	60.1	5.3	4.0	260	264	68	74	Calm	0	WSW	1	5	7	—	
7	94	36.00	51.2	50.3	41.7	57.9	2.8	2.7	305	297	81	82	Calm	0	Calm	0	8	2	030	Fine all day.
8	93	29.83	55.2	54.2	41.3	59.6	5.0	1.4	305	380	70	91	SW	3	W	2	10	10	250	☉ a. Dull, with ☉ (mist) p.
9	71	93	52.2	49.0	48.5	56.4	2.0	2.1	337	296	86	85	W	4	NW	4	10	10	060	☉ showers all day. ▲ 2p.
10	85	29.85	48.3	46.0	45.0	51.8	2.3	1.5	282	276	84	90	W	4	NNW	4	10	7	290	
11	29.97	30.02	49.5	48.7	44.6	54.5	2.6	2.5	290	283	82	82	N	4	N	4	7	2	—	
12	30.07	30	52.3	51.3	46.2	58.9	4.2	2.3	286	319	74	84	N	3	Calm	0	3	9	080	Fine all day.
13	30.05	30.04	55.7	54.3	48.7	62.0	0.7	1.3	423	384	95	91	Calm	0	Calm	0	10	10	060	☉ (mist).
14	29.98	29.92	56.0	56.3	52.2	62.7	0.8	1.3	425	415	94	91	Calm	0	Calm	0	10	10	120	☉ (mist).
15	80	70	57.7	54.7	52.4	58.8	1.2	0.8	440	405	92	94	Calm	0	Calm	0	10	10	210	☉ (mist).
16	58	55	54.2	55.0	52.1	56.8	2.5	4.0	350	325	83	75	E	3	SW	3	10	10	070	
17	55	61	56.9	58.0	51.0	60.6	2.6	2.4	386	410	84	85	Calm	0	SE	1	10	10	170	☉ showers all day. Dull.
18	74	83	61.9	60.2	52.2	70.0	4.4	2.5	414	441	76	85	Calm	0	Calm	0	9	9	040	
19	85	80	65.0	65.2	56.0	72.8	7.0	7.5	391	382	63	61	SSW	2	SSE	1	2	6	—	
20	78	75	62.0	58.8	54.7	65.2	2.9	4.0	459	397	83	76	SSW	2	Calm	0	10	10	050	Fine a.
21	72	68	63.4	57.3	54.1	65.3	5.5	2.3	407	401	77	80	Calm	0	S	1	10	10	240	Dull all day.
22	59	52	57.9	59.3	54.0	63.4	3.9	3.5	368	400	77	80	ESE	1	E	2	10	9	500	☉ (mist) a.
23	34	32	58.0	57.2	53.5	64.6	2.7	2.7	401	388	83	83	SE	2	Calm	0	9	4	080	☉ showers all day.
24	34	43	57.3	55.0	54.2	63.4	1.8	1.2	416	397	88	92	Calm	0	Calm	0	10	9	080	☉ showers all day.
25	47	47	59.2	53.6	52.7	62.4	3.2	1.3	405	374	81	91	Calm	0	Calm	0	10	3	060	☉ showers all day.
26	51	62	56.3	53.8	49.0	59.7	1.6	1.8	407	363	89	87	Calm	0	Calm	0	10	10	180	Dull and gloomy.
27	70	68	56.9	54.0	45.6	64.8	3.6	1.9	360	376	78	88	S	1	Calm	0	5	10	130	Fine day. ☉ (mist) ☉ 9p.
28	74	79	51.6	51.0	50.4	55.4	2.6	0.9	315	351	82	94	SSE	3	Calm	0	10	10	380	
29	75	78	55.9	54.0	47.6	58.3	3.3	2.0	303	335	86	95	SSE	1	Calm	0	5	10	010	
30	80	29.90	54.0	49.3	48.6	57.6	4.5	3.0	299	280	72	79	NW	1	Calm	0	2	3	—	Fine all day
Mean	29.711	29.718	55.8	53.9	49.1	60.6	3.4	2.4	354	354	79.2	84.7	1.4	1.0	8.2	8.3	3.820			

DUNDEE.—JULY 1888.

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.

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.	55.0	46.6	38.1	63.3	4.4	1.5	316	282	73	99	SE	1	SE	1	5	5	ins.	Fine day.
2	64	23	54.0	49.3	43.9	57.6	3.1	0.3	332	344	79	98	E	1	E	6	10	10	840	☉ from 1.30p.
3	12	18	49.3	50.6	48.1	52.3	0.8	1.0	329	343	95	93	NE	6	W	1	10	10	430	☉ n. ☉ showers during day.
4	17	24	51.7	49.2	47.5	54.1	0.6	0.8	368	329	96	95	E	1	SE	1	10	10	160	☉ n. and till 5p.
5	33	48	49.4	48.2	45.4	52.9	1.9	1.7	305	295	87	89	E	1	E	1	10	10	—	Dull day.
6	62	74	49.1	46.0	43.7	54.9	3.8	1.1	260	292	75	93	NE	1	SE	1	10	10	010	☉ showers.
7	80	83	54.2	48.5	43.8	60.6	4.4	1.3	304	309	72	91	SE	1	SE	1	10	10	020	☉ showers from 3p.
8	78	68	59.5	54.6	42.8	65.6	4.6	2.6	372	353	74	83	W	1	W	2	5	10	010	Fine day.
9	45	59	62.9	51.9	51.9	65.7	4.6	2.8	424	314	75	82	SW	2	W	2	5	10	—	—
10	65	54	49.6	44.3	44.3	53.0	4.1	2.0	259	247	73	84	W	2	N	6	10	10	060	Dull day. ☉ showers from noon.
11	63	74	54.5	49.4	43.9	56.3	4.1	2.9	316	283	74	81	N	10	NW	2	7	10	—	☉ (gale) n. and till noon. ☉ till 4p.
12	81	89	55.9	51.7	47.9	69.4	5.4	3.7	397	291	69	76	NW	1	NW	1	5	5	020	—
13	82	82	54.0	59.9	51.7	70.0	2.1	3.9	357	396	85	77	W	1	NW	1	10	10	140	☉ 8.30a.—10.30a. Dull day.
14	81	77	61.8	54.4	54.3	71.8	2.1	1.3	481	386	87	92	SW	1	E	1	10	10	290	☉ from 11a. ☉ and 9a.—1ca. Dull day.
15	70	61	51.6	49.4	49.2	55.6	0.4	0.1	371	359	97	99	E	1	E	2	10	10	1340	☉ n. and during day.
16	49	42	49.2	49.4	47.8	51.4	0.5	0.4	337	342	97	97	E	2	E	6	10	10	1010	☉ n. and during day.
17	36	48	54.1	52.4	49.2	54.3	0.5	0.8	405	371	96	94	NE	6	NE	1	10	10	350	☉ n. and till 4p.
18	54	69	62.5	55.6	51.6	71.9	5.2	0.8	401	419	72	95	NE	6	NE	1	10	10	010	Dull till 11a.
19	70	69	66.1	55.7	48.0	74.2	5.2	2.2	460	381	73	86	SW	1	NE	1	5	0	—	Fine day. ☉ n.
20	66	61	69.4	57.7	48.2	74.0	6.1	1.8	491	422	68	88	SE	1	NE	1	0	10	040	Fine till 5p., then dull.
21	58	55	55.2	53.7	53.7	65.3	0.7	0.3	415	405	96	98	SE	1	SE	1	10	10	100	☉ n. ☉ 10.15a.—11.30a. ☉
22	53	47	54.3	54.9	51.2	55.9	1.2	0.5	387	417	92	97	SE	1	SE	1	10	10	430	☉ from 11a. ☉ [☉ 2 4p.
23	26	22	55.0	53.8	53.4	65.5	0.2	0.4	427	403	99	97	SE	1	SW	1	10	5	460	☉ n. and till 11.30a. ☉ 2p.—5p.
24	22	30	59.0	57.1	48.4	69.1	2.6	1.5	419	421	84	90	S	1	W	1	10	5	030	☉ showers. Distinct ☉
25	36	31	63.2	52.6	52.5	66.6	4.3	0.5	438	383	76	97	SW	1	SE	1	10	10	090	☉ 11a.—3.30p. ☉ (mist) from 7p.
26	35	44	55.7	54.3	51.1	65.4	1.7	0.7	395	402	89	95	W	1	W	1	10	10	460	☉ 1.45p.—6.30p.
27	57	61	53.3	49.5	49.5	59.5	0.8	1.1	371	326	95	93	SE	2	E	2	10	10	010	☉ n. and till 9.30a.
28	60	63	51.5	48.8	47.8	55.8	3.1	1.3	303	312	79	91	E	1	E	1	10	10	040	☉ showers from 5.30p.
29	63	60	50.2	46.7	46.2	55.7	2.6	0.9	298	297	83	94	E	1	NE	1	10	10	—	Dull day.
30	53	53	52.7	46.7	41.1	55.8	3.5	2.6	307	259	77	82	NE	2	N	1	10	10	—	Dull day.
31	29.70	29.70	57.4	51.9	39.2	65.0	5.6	1.5	310	346	67	90	W	1	NE	1	5	10	—	—
Mean	29.551	29.561	55.5	51.5	47.6	61.5	2.9	1.4	364	346	82.4	90.5	1.9	1.6	8.6	8.7	5.350			

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.

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.

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. $54^{\circ} 17' N.$

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar.,—12 feet. Therms., 7 feet. Rain-gauge, 2 feet.
Long. $2^{\circ} 28' W.$ Lat. $53^{\circ} 51' N.$

1	20° 64	20° 65	52° 7	51° 3	41° 2	64° 0	5° 0	5° 1	*275	*256	69	68	Calm o	Calm o	10	9	*103	
2	20° 43	28° 96	53° 2	58° 5	46° 2	58° 9	1° 5	2° 7	*563	*408	90	83	SEbyS 2	ShyE 4	10	10	2482	Overcast, with ☉.
3	28° 07	20° 07	53° 2	54° 7	52° 4	58° 7	1° 2	1° 5	*371	*385	92	90	WSW 5	WSW 1	10	4	*150	Squally a. and p. Overcast, with ☉.
4	20° 03	*03	54° 7	55° 3	52° 5	62° 4	1° 3	1° 8	*391	*386	92	88	swb.w 2	Calm o	10	9	—	
5	*05	*20	60° 9	50° 3	49° 9	62° 0	5° 1	2° 1	*380	*311	71	85	ESE 1	NEb.N 1	7	10	*005	Overcast and gloomy, with distant ☉.
6	*34	*50	51° 2	48° 2	47° 6	54° 0	3° 0	2° 7	*302	*272	80	82	NE 1	NE 1	10	10	*004	☉ ⁰ a. Overcast day. [☉]
7	*61	*67	52° 9	51° 2	45° 2	59° 1	6° 2	2° 9	*253	*304	63	81	NE 1	Calm o	8	6	—	
8	*67	*64	58° 2	53° 0	47° 4	62° 0	7° 2	2° 8	*294	*327	60	81	WbyS 1	Calm o	7	8	*040	Fine and sunny p.
9	*47	*46	55° 2	51° 1	50° 8	58° 1	0° 9	3° 4	*410	*291	94	77	swb.w 3	WNW 4	10	10	*300	Overcast, with ☉ a.
10	*55	*33	56° 4	47° 0	45° 6	57° 6	8° 6	4° 0	*247	*233	54	73	WNW 2	swb.w 2	3	4	*221	
11	*43	*56	48° 2	52° 1	40° 2	58° 6	4° 7	4° 9	*333	*269	69	69	swb.w 2	NbyW 1	10	10	—	Overcast and threatening.
12	*65	*70	51° 3	50° 7	49° 2	60° 7	4° 4	1° 7	*271	*326	72	88	swb.w 1	SW 2	10	4	—	Overcast and threatening a.
13	*72	*69	54° 2	55° 3	47° 9	61° 6	2° 9	1° 6	*340	*392	81	89	WbyS 2	WbyS 1	10	10	1°105	Overcast, gloomy, and threatening.
14	*64	*57	57° 6	57° 9	52° 9	62° 0	2° 3	1° 4	*407	*438	85	92	Calm o	Calm o	10	10	*141	Overcast, with ☉.
15	*46	*34	54° 5	52° 7	52° 0	57° 9	1° 2	1° 7	*390	*351	92	88	NEb.N 1	NE 1	10	10	*564	Overcast and gloomy. ☉ p.
16	*14	*05	50° 7	54° 9	49° 5	56° 6	1° 0	1° 5	*345	*388	93	91	NNE 2	NbyE 1	10	10	*565	Overcast and gloomy. ☉ p.
17	*09	*13	60° 6	51° 1	53° 4	65° 2	3° 4	1° 4	*421	*379	80	90	Calm o	NNE 1	10	10	—	
18	*10	*40	54° 9	56° 5	52° 3	64° 4	2° 6	2° 5	*358	*384	83	84	NE 1	NEb.N 1	10	4	—	
19	*48	*51	64° 7	61° 1	51° 5	72° 0	5° 8	3° 4	*420	*429	69	80	NEb.N 1	Calm o	3	10	—	
20	*48	*46	61° 9	58° 0	52° 3	66° 9	3° 9	1° 5	*428	*436	77	90	Calm o	WSW 1	10	10	*028	Overcast and gloomy. ☉ p.
21	*44	*40	61° 9	55° 3	53° 3	66° 0	6° 1	3° 0	*368	*354	66	81	WSW 2	Calm o	4	7	*051	☉ p.
22	*35	*27	62° 4	59° 3	53° 2	67° 0	4° 5	0° 5	*419	*480	75	97	S 3	SSE 1	8	10	*085	Distant ☉ _{10a} —17p. ☉ ² ▲ ☉ p.
23	*10	*13	60° 3	55° 4	55° 0	64° 0	4° 8	3° 6	*379	*414	73	78	swb.w 2	SW 1	9	2	*633	▲ 11a. ☉ ² showers a.
24	*12	*26	57° 2	55° 7	52° 3	64° 8	2° 4	1° 1	*397	*413	85	93	SSW 3	SW 2	10	5	*610	☉ ² a. Overcast and gloomy. Distant ☉
25	*19	*08	55° 2	55° 7	52° 9	66° 0	1° 0	0° 4	*407	*432	93	97	Calm o	SSW 2	10	10	*222	[☉ _{10p}
26	*31	*37	56° 2	53° 6	53° 0	60° 1	0° 9	3° 2	*425	*324	94	78	swb.w 1	WSW 2	10	5	—	
27	*40	*22	60° 9	56° 1	49° 3	64° 4	6° 2	2° 1	*353	*390	66	86	SSE 1	E 1	6	10	*162	Overcast and gloomy p.
28	*22	*39	54° 5	50° 7	50° 2	57° 1	3° 2	1° 0	*337	*345	79	93	NEb.N 2	Calm o	10	10	*242	Overcast and gloomy. ☉ p.
29	*39	*30	51° 3	52° 6	49° 6	56° 7	1° 0	1° 2	*352	*364	93	92	Calm o	NEb.N 1	10	10	*692	☉ a. and p. Overcast and gloomy.
30	*30	*25	52° 0	49° 4	47° 3	55° 7	3° 3	2° 7	*303	*287	78	82	ENE 2	NNE 1	10	9	*020	
31	20° 45	20° 58	54° 3	52° 2	45° 2	62° 4	5° 5	3° 0	*282	*292	67	75	Calm o	Calm o	6	10	—	
Mean	20° 388	20° 350	55° 0	53° 9	49° 7	61° 5	3° 6	2° 4	*352	*355	78° 5	84° 5	1° 5	1° 1	8° 7	8° 3	8° 314	

HILLINGTON.—JULY 1888.

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.

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.	50.3	46.0	46.0	53.4	3.6	1.3	in.	in.	2.76	70	91	NNW 3	NE 1	10	10	ins.	Overcast a. Fine p. Δ p.
2	29.90	29.96	50.3	46.0	46.0	53.4	3.6	1.3	2.76	2.80	70	91	SSW 2	SW 5	10	10	10	10	Overcast all day. Δ 9a-6p.
3	33	38	58.0	55.9	43.1	63.7	3.1	1.2	3.89	4.12	81	92	SW 2	SW 5	10	10	10	10	Windy and cloudy.
4	35	35	60.9	53.1	53.0	68.5	3.8	0.3	4.15	3.96	79	98	W 5	SW 1	10	7	7	7	Δ 2. Δ 2. Double Δ 6p.
5	36	43	59.4	55.0	50.2	62.8	2.1	0.3	4.39	4.24	88	98	SW 1	ESE 1	9	10	1070	1070	Overcast all day.
6	34	74	53.1	50.0	49.7	56.3	1.0	0.3	3.75	3.53	93	98	NE 2	NE 1	10	10	10	10	Overcast all day.
7	37	97	53.1	49.1	48.9	61.4	3.4	1.3	3.15	3.16	78	91	NE 3	NE 1	10	10	10	10	Δ 9p.
8	97	94	55.5	51.3	42.3	65.4	5.6	0.6	2.95	3.62	68	96	SW 1	W 0.5	1	10	10	10	Δ 2. a. Fine and sunny.
9	84	71	59.2	52.2	47.7	65.7	4.5	2.4	3.69	3.28	74	84	SW 3	NW 5	7	8	10	10	Δ 2. shower 6p. Much cir. p.
10	81	63	53.9	48.5	48.5	62.4	5.1	0.8	2.86	3.21	69	95	NW 5	NW 1	10	10	10	10	Fair and sunny.
11	82	75	51.3	49.7	43.3	57.3	2.8	2.0	3.06	3.06	81	86	NNW 4	NW 5	10	10	10	10	Δ 2 in past n. Sunny 9a.—noon. Δ
12	86	96	49.0	47.9	47.5	55.4	1.3	1.2	3.15	3.04	91	92	NW 4	NW 1	10	7	7	7	Δ 2. 2p.—4p. Much cir. p. Δ 2p.—6p.
13	99	94	55.0	57.8	38.3	65.1	2.4	1.7	3.65	4.27	85	89	NW 2	NW 0.5	10	10	10	10	Overcast nearly all day. Δ p.
14	92	85	60.0	54.4	54.3	64.1	2.6	0.9	4.34	3.97	84	94	NW 1	NE 0.5	10	10	10	10	Overcast all day.
15	96	92	53.9	52.0	50.3	57.4	1.2	0.4	3.81	3.77	92	97	E 3	SE 5	10	10	10	10	Δ 2 in past n. Δ p.
16	40	35	61.8	57.1	51.7	68.5	1.1	0.9	3.12	4.39	93	93	SE 3	SE 1	8	7	10	10	Overcast all day. Δ 0 from 3p.
17	36	32	60.0	56.1	54.8	65.6	2.6	0.3	4.34	4.41	84	98	S 0.5	NW 0.5	10	10	10	10	Δ 2 a. and p. Overcast.
18	42	60	62.7	54.7	54.3	68.7	2.1	0.4	4.96	4.16	88	97	ESE 0.5	NE 1	10	10	10	10	Overcast, then fine and sunny. Much
19	71	79	58.6	52.1	52.1	60.8	1.9	0.4	4.33	3.78	88	97	E 1	N 0.5	10	10	10	10	Δ 2 (mist) early a. Δ [cir. p. Δ 2p.
20	80	78	66.3	60.0	45.9	72.5	5.0	0.3	4.51	5.07	71	98	NE 2	SW 1	6	10	10	10	Δ 2 (mist) early a. Much cir. p. Δ p.
21	72	74	60.2	57.8	55.4	68.5	2.5	1.6	4.43	4.30	85	89	SW 1	SW 1	10	8	10	10	Δ p.
22	74	65	63.1	61.0	54.4	72.4	4.4	2.4	4.34	4.57	76	86	SW 5	S 1	6	10	10	10	Δ 2 a. shower Sp.
23	47	51	63.3	55.0	55.0	70.6	3.8	1.4	4.53	3.91	79	91	SW 5	SW 2	5	6	10	10	Δ 2 a. shower Sp.
24	55	65	61.7	58.8	52.1	67.5	5.0	2.8	3.94	4.10	73	83	SW 6	SW 2	4	7	10	10	Δ 2 a. shower Sp.
25	61	43	54.6	58.0	54.2	62.4	2.1	0.4	3.67	4.69	86	97	SW 5	SW 3	10	9	112	112	Δ 2 a. shower Sp.
26	59	65	61.8	54.8	51.9	67.4	5.0	1.1	3.96	3.97	72	92	SW 5	NW 2	6	1	250	250	Δ 2 a. shower Sp.
27	75	50	60.9	56.1	46.0	61.2	4.9	1.3	3.84	4.15	72	91	SW 2	E 2	5	10	237	237	Δ 2 a. shower Sp.
28	44	69	60.2	52.2	52.2	62.4	1.1	1.3	4.83	3.56	94	91	NE 2	N 1	10	10	10	10	Overcast. Δ 2 a. shower Sp.
29	72	61	55.5	54.0	50.2	61.9	2.4	1.3	3.71	3.79	85	91	NE 1	NE 0.5	10	10	10	10	Overcast. Δ 2 a. shower Sp.
30	42	41	56.5	50.2	50.0	60.9	0.8	0.3	4.33	3.56	95	98	SE 1	N 1	10	10	10	10	Overcast. Δ 2 a. shower Sp.
31	29.72	29.93	53.2	45.6	40.2	59.4	2.3	0.9	3.43	3.85	84	94	N 1	NE 1	10	0	007	007	Overcast a. Sunny p. Δ p.
Mean	29.654	29.653	57.8	53.7	49.7	64.1	3.1	1.1	3.92	3.86	81.9	92.7	2.8	1.7	8.6	8.3	6.096	6.096	

CHURCHSTOKE.—JULY 1888.

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.

1	29.44	29.45	60.0	54.7	36.0	67.4	2.5	1.9	4.37	3.73	85	88	W	1	W	1	5	10	2.90	Stormy, with Δ .
2	29.22	28.84	52.9	56.1	49.1	59.9	0.9	2.6	3.75	3.74	94	83	SW	2	SW	8	10	8	2.40	
3	28.93	29.03	60.5	55.3	53.1	63.3	5.0	2.3	3.75	3.71	72	85	WSW	4	W	2	9	6	0.22	
4	28.87	28.96	57.8	53.9	52.5	67.1	2.9	0.9	3.93	3.89	82	94	SW	1	SW	1	10	10	3.18	
5	28.87	28.96	59.4	54.1	47.2	64.5	4.6	0.9	3.70	3.93	73	93	SW	1	NW	1	10	10	5.00	T Δ showers.
6	29.09	29.27	52.7	50.9	49.6	55.5	0.9	0.4	3.73	3.62	94	98	SE	1	SE	1	10	10	2.00	T Δ 2.
7	39	47	49.3	50.9	46.0	54.0	2.4	0.7	3.92	3.55	83	95	ESE	1	NE	1	10	10	0.10	Dull, with constant Δ .
8	48	47	54.8	45.8	44.6	62.7	2.4	0.9	3.61	2.87	84	93	ENE	1	W	1	10	5	0.76	Cold wind, with T Δ . Δ (mist) p.
9	33	37	61.0	49.3	44.0	63.1	4.0	2.4	4.10	2.92	77	83	W	3	NW	1	8	6	—	Warm and breezy.
10	42	20	50.9	45.8	44.0	59.6	4.6	1.9	2.62	2.64	71	86	NW	2	W	1	10	10	3.68	Dull and cold, with Δ .
11	25	41	49.9	46.6	38.2	56.1	3.2	2.7	2.80	2.55	79	81	NW	4	NW	2	10	8	0.10	Δ 2 in past n. Dull and threatening.
12	48	36	51.3	47.7	46.0	62.5	3.3	1.8	2.95	2.88	78	87	NW	2	NW	1	10	3	—	Breezy.
13	54	51	62.0	52.9	41.0	66.4	7.0	0.9	3.48	3.75	62	94	W	2	NW	2	8	8	—	Δ in evening.
14	49	33	61.0	55.4	48.0	67.9	3.5	2.4	4.25	3.70	80	85	ESE	1	SE	1	9	10	2.46	Constant Δ (mist).
15	29.22	29.08	57.1	54.3	53.0	66.9	0.9	0.5	4.39	4.07	93	97	SE	1	SE	1	10	10	4.28	Gloomy, with Δ . Δ (mist) 9p.
16	28.89	28.82	54.7	56.1	51.1	62.7	1.5	0.3	3.84	4.41	90	98	SE	1	NW	1	10	10	4.10	Δ 2 p.
17	28.92	28.92	60.0	55.9	53.4	68.2	1.6	0.9	4.05	4.19	90	94	ESE	2	W	1	9	10	—	Close and threatening.
18	28.95	29.20	56.3	58.2	51.8	61.9	1.5	1.4	4.09	4.41	90	91	NW	1	NE	1	9	10	—	Squally, with Δ showers.
19	29.30	29.30	62.0	55.9	53.8	72.7	5.0	1.4	3.99	4.06	72	91	NW	1	NW	1	9	8	0.53	Dull a. Bright p.
20	27	23	61.8	51.9	51.9	67.3	4.8	0.9	4.00	3.62	73	94	SE	1	WNW	1	8	5	0.50	Squally.
21	27	23	57.7	58.0	45.0	60.7	4.3	3.0	3.55	3.93	74	81	SSE	1	SSW	2	10	10	1.00	Δ (mist) before 9a. T Δ showers.
22	29.17	29.04	63.5	57.5	55.8	60.5	4.8	1.7	4.27	4.22	74	89	SE	1	SE	3	9	10	—	Δ 2 in past n. Stormy.
23	28.93	28.98	61.0	54.9	54.0	66.9	5.0	2.1	3.82	3.70	72	87	SE	1	SW	2	10	5	3.70	Squally.
24	29.13	29.13	59.0	55.3	52.5	64.7	3.0	2.1	4.07	3.78	82	86	NE	2	WSW	2	10	10	1.72	Δ 2 in past n. Stormy.
25	28.97	28.99	59.1	53.9	53.0	64.7	1.3	2.9	4.59	3.36	92	81	SE	1	W	2	9	6	0.40	Squally.
26	29.06	29.23	58.0	50.9	48.0	62.7	3.0	2.9	3.93	2.99	81	81	NW	1	W	2	5	5	1.80	Δ showers p.
27	28.90	28.90	55.1	54.7	46.4	59.5	1.5	0.9	3.91	4.01	90	94	WSW	1	SE	2	9	10	3.70	Dull and cold.
28	29.02	29.22	54.9	51.1	49.2	56.3	0.4	0.6	4.19	3.60	98	96	SW	1	NW	1	8	9	2.28	Δ in evening.
29	29.06	29.05	55.1	53.7	46.0	59.1	1.5	0.7	3.89	3.93	90	95	NW	1	SE	1	8	10	1.70	
30	28.96	28.96	52.4	49.1	47.0	54.1	0.4	1.6	3.82	3.08	97	89	SW	1	NE	1	10	10	0.20	
31	29.26	29.39	51.9	45.9	45.0	55.1	2.9	0.6	3.11	2.96	81	96	W	2	NW	1	5	6	—	Δ p.
Mean	29.170	29.176	56.9	52.8	48.3	63.0	2.9	1.5	3.81	3.61	82.4	89.8	1.5	1.6	8.9	8.3	5.687			

CARMARTHEN.—JULY 1888.

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.

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.	65.3	54.7	40.7	67.4	9.7	1.4	in.	in.	2.76	70	91	W	1	SW	3	5	10	1.000	Fine day. ☉ op.
2	29.83	29.83	65.3	54.7	40.7	67.4	9.7	1.4	2.76	70	91	2.76	91	W	1	SW	6	10	10	.940	Overcast, with ☉ all day. Squally op.
3	34	31	57.1	56.1	49.1	60.4	0.4	2.0	4.54	3.91	97	87	S	3	SW	6	10	10	—	Squally in past n. Dull day.	
4	36	32	60.2	56.0	54.7	63.2	3.8	1.6	4.04	4.01	77	89	W	4	W	4	8	10	—	☉ 1.30p.	
5	24	22	65.3	54.1	53.8	65.8	5.8	1.1	4.28	3.86	70	92	SW	3	SW	2	7	3	120	☉ 3.30p.	
6	23	32	59.8	53.7	52.8	65.0	4.2	1.1	3.86	3.81	75	92	SW	3	N	1	7	8	250	☉ 3.30p.	
7	46	61	62.1	54.7	50.9	63.0	3.9	1.1	4.30	3.96	78	93	NW	1	E	1	8	10	390	Frequent ☉.	
8	74	82	59.0	54.7	51.3	62.1	4.2	1.8	3.74	3.75	75	88	E	2	N	1	10	10	—	Dull day.	
9	86	89	61.0	52.3	52.2	66.2	8.4	1.7	3.02	3.46	56	88	N	2	NE	1	1	1	—	Fine day.	
10	76	75	57.8	52.7	48.8	66.2	0.8	1.8	4.54	3.49	94	87	SW	2	N	2	10	0	020	☉ till 5p.	
11	79	58	55.4	49.7	47.7	59.1	5.8	2.3	2.88	2.99	66	84	N	2	SW	4	8	5	150	☉ showers after 8p.	
12	72	82	53.3	51.9	42.3	58.0	4.1	3.7	3.01	2.93	74	70	N	4	N	3	8	10	—	Pair, but with cold wind.	
13	91	96	57.3	49.0	40.2	5.7	2.4	3.16	3.08	67	84	N	2	NW	2	8	8	—	—	Fine day.	
14	84	89	65.0	54.1	40.2	67.4	8.1	1.5	3.64	3.75	59	90	W	1	NW	1	8	4	—	☉ before 9a. Fine day.	
15	81	69	62.8	55.7	51.5	63.8	5.3	2.1	4.01	3.82	71	87	Calm	0	Calm	0	10	10	—	Dull day.	
16	54	40	60.8	57.8	53.0	64.1	3.4	1.1	4.24	4.44	80	93	E	2	E	1	10	10	130	Dull day. ☉ p.	
17	21	17	59.0	56.5	54.6	65.9	3.4	0.7	3.96	4.36	80	96	SE	1	Calm	0	10	10	680	Frequent ☉ showers.	
18	24	28	59.8	55.3	54.8	65.0	2.5	1.1	4.34	4.04	85	92	SW	1	SW	1	10	10	250	Dull, with frequent ☉ showers.	
19	31	52	56.5	58.8	53.8	64.3	1.2	2.2	4.21	4.27	92	87	NW	1	N	3	10	10	—	Dull day.	
20	64	67	71.1	59.3	54.9	72.2	8.8	1.8	4.43	4.27	95	88	N	1	NW	1	8	10	370	Fine a. Dull p.	
21	63	67	58.6	52.3	51.8	64.7	0.6	0.7	4.73	3.73	95	95	S	2	W	1	10	10	250	☉ nearly all day.	
22	62	59	59.8	58.3	50.4	66.0	1.6	0.9	4.62	4.59	90	94	SW	2	SW	3	10	10	030	☉ from 4p.	
23	51	35	63.3	58.5	56.8	64.6	4.2	1.9	4.41	4.31	77	89	SW	4	SE	5	10	10	230	Dull all day.	
24	29	32	61.4	57.5	56.2	65.4	3.3	1.9	4.56	4.16	81	88	SW	5	SW	6	9	10	120	Dull day.	
25	39	48	59.8	57.8	55.4	63.1	2.5	1.2	4.34	4.41	85	92	SW	5	SW	4	10	10	550	Dull, with frequent ☉ showers.	
26	30	36	60.3	54.7	54.0	62.2	1.0	0.9	4.87	4.01	94	94	SW	5	W	2	10	8	230	☉ till noon.	
27	50	60	60.5	53.2	52.6	65.2	5.1	1.8	3.73	3.56	71	88	W	3	SW	1	8	4	370	☉ 4.30a.	
28	44	17	56.7	57.8	52.1	59.2	1.1	1.2	4.27	4.41	93	92	SE	2	E	3	10	10	370	☉ showers in past n. ☉ all day.	
29	43	60	58.1	54.4	53.8	62.1	2.0	0.8	4.22	4.00	88	95	NW	3	NW	1	8	3	—	Dull a.	
30	55	36	58.8	55.5	53.1	63.7	3.2	1.1	3.99	4.07	81	93	SW	1	E	1	9	10	010	☉ after 8p.	
31	28	37	60.4	52.7	52.3	66.5	3.6	2.1	4.64	3.42	60	86	SE	1	NE	2	8	10	370	☉ 11.30a. Dull p.	
31	29.60	29.70	55.3	49.3	49.0	61.2	4.5	0.9	3.17	3.28	73	94	NE	2	NE	1	4	2	—	Fine day.	
Mean	29.536	29.535	60.1	54.9	51.5	64.0	3.9	1.5	4.03	3.88	77.9	89.8	2.3	2.2	8.5	7.9	6.830				

SOUTHAMPTON.—JULY 1888.

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. $50^{\circ} 55' N.$

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.	3 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.	60.4	56.2	44.2	68.5	5.8	3.5	in.	in.	%	%	NW	1.5	SW	2	1	10	ins.	0.52	Beautiful day. Cool evening.
2	29.97	29.99	60.4	56.2	44.2	68.5	5.8	3.5	355	355	78	78	S	3.5	SW	5	10	10	0.632	☉ most of day.	
3	29.91	29.60	54.4	56.9	52.9	58.2	0.9	1.0	398	433	95	94	S	3.5	SW	5	10	10	0.610	Fine a. and p.	
4	29.56	29.55	60.5	57.5	55.3	65.1	2.9	1.6	434	425	83	89	SW	5.5	WSW	3.5	10	10	—	Fine and pleasant.	
5	29.45	29.42	61.5	56.6	53.9	66.3	3.8	1.4	424	417	78	92	SW	3	SW	2	10	9	—	Beautiful day. ☾ n.	
6	29.41	29.45	59.5	56.3	54.0	65.6	2.8	1.4	421	412	83	90	SW	3.5	SW	2.5	10	10	—	[done.]	
7	29.36	29.71	63.0	54.1	54.0	64.4	3.5	0.5	459	403	80	96	WNW	1.5	Calm	0	10	2	0.815	☀ 11a.—1p. Much damage	
8	29.85	29.94	56.8	55.8	52.7	65.7	2.1	0.7	400	425	86	95	NE	1	SE	1	10	2	0.650	Fine till 3p. Distant ☀ 2 p.	
9	29.01	29.01	51.1	54.1	49.5	60.2	1.4	1.5	340	381	90	91	SE	2	SW	1	10	2	0.003	Dull and cold a.	
10	29.96	29.85	64.0	59.4	46.1	65.9	5.7	1.8	411	450	69	90	SW	3	WNW	3	8	10	0.004	Fine and pleasant.	
11	29.89	29.77	59.1	54.0	48.8	65.7	6.4	3.5	332	332	65	77	NW	3	W	4	8	10	0.066	Fine and pleasant. Cool evening.	
12	29.68	29.87	53.5	51.8	42.7	60.2	4.9	2.3	285	336	69	85	NW	5.5	WNW	1.5	10	2	—	Beautiful day, but with cold wind.	
13	29.97	29.04	55.0	56.9	46.7	61.2	2.8	2.8	354	381	82	83	NW	2.5	SW	1	10	5	—	Dull and cold.	
14	29.07	29.00	65.4	61.0	44.1	72.6	6.9	3.4	401	427	65	80	NW	2	WNW	2	1	5	—	Beautifully fine and warm.	
15	29.96	29.82	64.5	59.5	52.0	70.2	3.8	2.8	426	421	79	83	SW	1.5	SE	0.5	10	10	0.033		
16	29.60	29.54	60.8	56.4	55.9	62.5	2.0	0.5	468	440	88	97	SE	2	NE	2	10	10	0.155		
17	29.36	29.36	59.7	56.1	55.7	62.6	1.4	1.2	467	415	92	91	SE	2	SW	1.5	10	10	0.007		
18	29.38	29.38	62.9	58.4	54.0	68.5	3.7	0.5	450	473	78	97	ENE	1.5	Calm	0	9	10	0.463	Beautiful a. ☀ 2 p.	
19	29.42	29.57	60.1	61.2	55.1	69.1	1.5	1.2	471	500	91	93	WNW	2	SE	1	10	10	0.036	Fine and warm 8a.—8p. ☀ 8.15p.	
20	29.74	29.82	59.8	60.7	55.8	69.4	1.9	1.3	454	487	88	92	NE	1.5	SW	1	10	10	0.145	Fine and warm.	
21	29.86	29.83	59.9	58.5	52.8	63.1	1.4	1.0	455	450	92	94	SW	2	SW	2	10	9	0.008	a.	
22	29.79	29.60	61.8	57.3	57.9	68.6	2.9	1.1	457	470	83	93	SW	2	SW	3	10	10	0.030	Fine from 2p.	
23	29.54	29.59	61.4	57.6	56.3	64.9	2.7	1.0	456	445	84	93	SW	4	SE	3	10	10	0.170	Fine 11a.—8p., then ☀.	
24	29.66	29.74	61.1	58.5	56.9	66.7	3.4	1.5	429	443	80	90	SW	5	SW	3.5	9	10	0.080	Fine from 2p.	
25	29.64	29.53	58.5	58.8	56.9	60.6	0.9	0.4	462	483	94	97	SW	4	SW	3	10	10	0.060	Beautiful, with fresh breeze from 9a.	
26	29.88	29.80	60.8	56.1	53.3	67.3	3.0	1.5	437	407	83	90	SW	4	SW	3	10	10	0.387	☀ 9a.—5p. and 7p.—8p.	
27	29.75	29.37	61.0	58.2	52.9	66.4	3.0	0.6	439	467	82	96	SE	3.5	SE	4	10	10	0.158	☀ 1.30p., then fine.	
28	29.44	29.73	60.5	57.4	57.1	65.1	1.5	2.5	477	398	91	84	NW	3	WNW	3	10	7	0.746	Fine and pleasant a. ☀ p.	
29	29.75	29.53	58.8	59.0	53.0	64.8	4.7	0.4	360	453	73	97	SW	2	SW	2.5	10	10	0.240	Rough cold wind in afternoon.	
30	29.41	29.44	64.4	55.6	55.1	68.3	3.7	0.6	477	425	79	96	SW	3	NW	2	9	10	0.247	Cool a. Fine till 3p., then ☀ till 8p.	
31	29.72	29.82	54.5	55.6	50.3	61.2	1.9	0.7	371	423	87	95	NE	2	NE	1	10	10	1.060	T 3p.—4p. ☀ from 7p.	
Mean	29.706	29.693	59.8	57.2	52.7	65.2	3.1	1.5	421	426	81.9	90.6	2.8	2.2	9.1	8.5	6.184	0.000	Dull all day. ☀ p.		

BABBACOMBE.—JULY 1888.

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.

Long. 51 W. Lat. 50 29 N.

1	29° 75'	29° 77'	61° 3'	56° 3'	46° 5'	67° 5'	5° 6'	3° 0'	*371	*367	70	81	ENE 1	WSW 3	3	10	*350	☼ (mist) a. Dull, with ☼ showers p.
2	*57	*39	54° 9'	50° 6'	51° 1'	59° 4'	5° 1'	1° 8'	*438	*404	99	88	SSW 5	WSW 5	10	9	*480	Squally ☼ p.
3	*35	*35	58° 0'	55° 0'	54° 5'	62° 0'	1° 6'	1° 1'	*433	*400	89	92	WSW 4	WSW 4	10	8	*150	☼ showers till 8p. ☼ (mist) p.
4	*23	*19	59° 8'	54° 9'	53° 3'	64° 6'	3° 7'	1° 0'	*401	*401	78	93	WSW 4	WSW 3	9	7	*260	☼ 3p. ☼ 2 p.
5	*17	*23	58° 1'	55° 9'	53° 3'	66° 1'	1° 5'	1° 4'	*437	*406	91	91	WSW 2	WNW 2	8	9	*060	(17° 47' in 1.30p.-2p.). ☼ (mist) p.
6	*36	*49	64° 9'	53° 5'	51° 7'	66° 4'	5° 8'	0° 4'	*422	*399	69	98	WNW 1	WNW 1	3	7	1080	☼ 2 p. ☼ 2 p. doing much damage
7	*61	*71	57° 0'	54° 4'	50° 3'	62° 1'	1° 2'	0° 5'	*438	*409	92	96	NE 1	ENE 1	7	9	—	☼ 11d. ☼ 2 p.
8	*74	*80	57° 0'	51° 9'	51° 7'	59° 4'	1° 1'	2° 0'	*433	*334	92	86	SSE 2	NW 3	2	7	*170	☼ 2 (mist) a. ☼ 2p. ☼ p.
9	*73	*67	60° 4'	58° 3'	48° 4'	64° 6'	2° 6'	1° 3'	*441	*446	85	92	SSW 3	W 2	7	10	—	☼ 2 (mist) a. ☼ 2p. ☼ p.
10	*72	*60	58° 0'	53° 0'	49° 4'	64° 4'	6° 0'	3° 1'	*318	*321	66	79	NNW 3	WSW 3	3	9	*030	☼ 2.30p.-4p. ☼ p.
11	*59	*73	53° 1'	50° 1'	44° 4'	58° 6'	4° 1'	2° 1'	*268	*308	74	85	NW 5	WNW 2	9	3	—	Squally a. ☼ 9p.
12	*79	*86	57° 7'	52° 9'	47° 2'	64° 4'	5° 7'	3° 2'	*321	*317	67	79	NNW 3	NW 3	3	1	—	☼ n. and p. Fine and sunny.
13	*88	*81	63° 9'	55° 1'	46° 5'	69° 1'	6° 8'	2° 3'	*379	*369	64	85	W 2	NW 2	7	7	—	☼ n. and p. ☼ 10.30a.-noon.
14	*73	*58	59° 2'	54° 7'	49° 4'	61° 6'	3° 5'	2° 1'	*397	*369	79	87	ENE 1	Calm 0	9	10	*100	☼ in past n. ☼ (mist).
15	*43	*29	57° 4'	55° 7'	53° 8'	58° 5'	1° 3'	0° 2'	*431	*437	92	99	ENE 2	NE 2	2	10	*540	Dull day. ☼ 8p. ☼ 2 9p. ☼ 2 p.
16	*12	*10	55° 8'	52° 0'	52° 0'	58° 5'	0° 0'	0° 7'	*446	*369	100	95	SE 1	W 2	10	10	*130	☼ 2 a. ☼ till noon. ☼ 2 p.
17	*15	*19	57° 9'	56° 1'	48° 4'	67° 4'	2° 0'	0° 9'	*419	*424	87	93	ENE 2	WNW 3	7	9	*090	☼ till 8a. 1° 3p. ☼ (mist). ☼ 2 p.
18	*24	*39	56° 0'	55° 7'	55° 3'	60° 7'	1° 8'	0° 8'	*409	*419	89	94	WNW 2	NNW 2	10	10	*140	☼ showers till 3p. ☼ (mist) ☼ 2 p.
19	*55	*60	62° 0'	58° 9'	55° 3'	67° 3'	2° 4'	1° 7'	*473	*444	86	90	NE 1	WNW 1	10	10	*160	☼ 2 n. ☼ p. ☼ (mist) 5p.-8p.
20	*57	*61	61° 0'	55° 0'	55° 0'	60° 6'	0° 4'	2° 0'	*524	*375	98	87	SW 2	WNW 2	10	2	—	☼ 8a. ☼ 3p. ☼ 11p. ☼ p.
21	*58	*56	57° 9'	58° 5'	51° 5'	65° 4'	0° 9'	1° 1'	*453	*456	94	93	SSW 4	SW 4	10	9	*030	☼ showers a. and p. [7p.-9p.]
22	*50	*34	58° 7'	56° 1'	56° 0'	60° 6'	1° 1'	*459	*447	94	99	S 3	S 3	10	10	*290	☼ (mist) ☼ showers. Very gloomy	
23	*27	*35	61° 1'	56° 9'	55° 1'	64° 3'	2° 4'	1° 4'	*459	*421	86	91	SW 4	WSW 4	8	8	*150	☼ showers a. and p. ☼ 5p.
24	*42	*49	60° 6'	56° 8'	54° 8'	64° 7'	3° 3'	0° 8'	*424	*437	81	94	WSW 5	SW 3	8	10	*310	Squally a. ☼ showers. Very gloomy.
25	*31	*33	57° 1'	54° 8'	54° 8'	59° 7'	0° 0'	0° 8'	*407	*406	100	94	SSW 5	W 2	10	7	*230	Dull, with ☼ showers till 6p. ☼ p.
26	*44	*58	62° 1'	54° 8'	52° 5'	66° 5'	3° 9'	1° 3'	*430	*393	78	91	WSW 4	WSW 2	7	6	*030	☼ 4p. Squally. ☼ p.
27	*42	*04	56° 4'	56° 6'	54° 5'	57° 0'	0° 4'	0° 0'	*443	*459	97	100	SSE 4	WSW 1	10	10	*160	Dull and gloomy, with ☼ 2. ☼ p.
28	*34	*57	58° 8'	54° 4'	54° 3'	62° 8'	2° 1'	1° 9'	*430	*369	87	88	WNW 5	W 3	9	6	*110	☼ p.
29	*48	*25	54° 4'	56° 2'	51° 3'	57° 4'	0° 8'	0° 0'	*400	*453	95	100	S 3	SW 1	10	10	*120	Dull and gloomy, with ☼.
30	*21	*25	60° 3'	55° 0'	52° 3'	66° 0'	3° 4'	0° 2'	*416	*397	83	99	WSW 2	NNW 2	6	9	*640	☼ 2 p.
31	29° 49'	29° 61'	52° 8'	54° 9'	51° 2'	59° 6'	1° 7'	1° 0'	*353	*401	88	93	E 2	NW 1	10	10	*010	☼ (mist) a.
Mean	29° 47'	29° 47'	58° 5'	55° 1'	51° 8'	63° 1'	2° 5'	1° 3'	*418	*399	85° 4'	91° 4'	2° 8'	2° 3'	8° 1'	7° 5'	7° 210	

LONDONDERRY.—JULY 1888.

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.

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.	59°2	57°7	40°0	69°7	7°0	2°1	in.	in.	61°	87°	NW	1	NE	1	2	2	ins.	ins.	0°10	Fine all day. ☀ in evening.
2	51	51	56°7	56°7	52°0	61°5	1°8	0°3	3°06	4°50	88	98	SW	2	NW	2	10	10	0°30	0°10	☀ all day.	
3	28	29	55°9	53°7	52°9	60°5	2°1	1°8	3°87	3°61	87	88	W	2	SW	1	10	10	0°60	0°10	☀ showers during day.	
4	20	24	55°7	54°7	52°1	60°5	2°3	1°8	3°78	3°67	85	88	SW	2	SW	2	10	10	0°20	0°10	☀ showers during day.	
5	33	53	58°9	53°3	52°1	63°7	2°5	1°4	4°20	3°67	85	90	NE	1	NE	1	10	10	—	—	☀ all day.	
6	73	85	55°2	48°7	47°0	64°4	3°8	1°9	3°33	2°97	76	87	SW	2	N	1	10	10	—	—	☀ all day.	
7	94	98	53°0	52°7	42°3	62°6	4°6	3°1	2°86	3°17	71	80	N	2	NW	1	7	10	0°80	0°10	☀ showers during day.	
8	93	84	54°7	54°7	49°0	57°5	1°8	0°8	3°76	4°04	88	94	SW	2	SW	2	10	10	0°20	0°10	☀ showers during day.	
9	78	87	54°2	49°7	48°0	57°8	1°8	4°1	3°69	2°63	88	73	SW	2	N	3	10	8	0°10	0°10	☀ a. Fine during day.	
10	92	29°86	52°0	44°7	42°0	56°1	3°0	3°0	3°10	2°30	80	78	NW	3	NE	3	10	2	1°60	0°10	☀ 2 showers all day. ✱ ☀ (sle)	
11	29°59	30°05	50°7	50°4	44°1	53°6	3°8	2°5	2°77	3°03	74	83	NW	2	NW	2	10	3	—	—	☀ 2 showers during day.	
12	30°10	30°08	54°3	53°4	47°1	59°3	4°2	1°5	3°10	3°65	74	89	NW	1	NW	2	10	10	—	—	☀ 2 showers during day.	
13	30°04	29°98	59°8	56°7	52°5	60°8	2°6	0°8	4°33	4°35	84	94	WSW	1	NW	1	10	10	1°80	0°10	☀ 2 showers during day.	
14	29°50	84	59°7	57°7	55°0	62°5	2°6	0°8	4°86	4°52	95	94	SW	2	SW	2	10	10	2°20	0°10	☀ 2 showers during day.	
15	70	57	61°6	54°7	52°0	62°5	2°7	1°8	4°59	3°76	84	88	N	1	S	1	10	10	0°50	0°10	☀ in evening.	
16	45	45	55°7	52°7	49°0	59°8	0°8	1°3	4°20	3°62	94	91	S	2	NE	2	10	10	—	—	☀ in evening.	
17	49	55	55°2	54°2	51°0	58°7	2°1	1°3	3°76	3°82	87	91	NE	2	NE	2	10	10	0°50	0°10	☀ in evening.	
18	67	81	57°2	57°7	53°0	73°0	1°6	1°8	4°20	4°22	90	88	NW	2	SW	2	10	5	—	—	Fine all day.	
19	79	72	58°2	59°2	49°0	73°5	2°0	1°8	4°24	4°45	87	89	N	1	SW	2	10	10	1°00	0°10	☀ at night.	
20	73	72	57°7	54°7	52°0	68°5	2°2	2°1	4°11	3°69	86	86	NW	1	NE	1	10	10	0°50	0°10	☀ in evening.	
21	65	56	60°8	55°7	50°0	72°3	4°7	0°8	3°88	4°20	74	94	E	2	SW	2	10	10	1°80	0°10	☀ in evening.	
22	43	38	63°0	54°7	54°0	70°5	4°1	0°8	4°40	4°04	77	94	SE	1	SW	2	9	10	4°80	0°10	☀ showers all day.	
23	29	24	62°0	55°7	52°5	67°0	5°6	2°3	3°83	3°78	60	85	SW	1	SW	2	3	8	1°90	0°10	☀ 2 showers during day.	
24	29	42	63°4	55°6	52°6	67°2	5°2	1°4	4°16	4°02	71	89	SW	1	S	1	9	9	4°30	0°10	☀ showers.	
25	41	44	64°8	55°4	52°3	66°0	4°8	1°6	4°50	3°93	74	90	S	1	S	1	10	10	2°60	0°10	☀ 2 showers during day.	
26	51	60	56°7	54°2	51°3	62°0	2°8	1°3	3°78	3°82	82	91	S	1	SW	2	10	4	2°30	0°10	☀ showers.	
27	60	55	59°7	52°7	46°0	61°8	3°3	0°6	4°10	3°81	80	95	SE	2	NE	3	8	10	1°70	0°10	Fine a. Constant ☀ in afternoon.	
28	65	72	50°7	51°7	49°2	53°5	0°1	0°3	3°68	3°76	99	98	NE	2	N	2	10	10	1°20	0°10	☀ all day.	
29	64	58	57°7	51°2	49°0	63°0	2°8	0°8	3°94	3°53	82	95	NE	1	E	1	6	10	3°80	0°10	Fine a. ☀ in evening.	
30	56	65	54°2	51°7	48°1	60°2	1°6	2°8	3°75	3°12	89	81	E	2	NE	2	10	10	0°50	0°10	☀ at night.	
31	29°78	29°89	54°7	48°7	47°0	64°5	3°8	0°9	3°26	3°21	76	94	NE	2	NE	2	10	0	—	—	Fine and clear all day.	
Mean	29°650	29°654	57°2	53°7	49°5	63°3	3°0	1°6	3°84	3°71	81°8	89°1	1°6	1°7	9°2	8°1	5°990					

ARMAGH.—JULY 1888.

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.

1	29° 79	29° 71	57° 4	56° 5	38° 8	64° 5	4° 9	1° 6	*335	*409	71	89	S	o°s	SSW	1	3	10	*120
2	*36	28° 09	54° 9	57° 2	50° 7	60° 6	0° 3	0° 1	*422	*405	98	100	ESE	1	SE	o°s	10	10	*423
3	*17	20° 20	58° 0	54° 4	50° 8	62° 5	2° 7	2° 3	*401	*359	83	85	W	2	SW	1	7	10	—
4	*10	*12	59° 9	54° 8	52° 7	62° 4	5° 3	2° 0	*361	*373	69	88	SW	2	SW	o°s	9	8	—
5	*20	*37	56° 2	53° 9	48° 0	65° 8	2° 6	1° 5	*378	*373	84	90	S	o°s	ENE	1	4	10	*019
6	*56	*69	55° 0	48° 8	48° 4	57° 7	3° 8	2° 3	*330	*290	76	84	NE	1	NNE	o°s	10	8	—
7	*79	*86	56° 9	52° 0	39° 9	61° 3	4° 0	0° 0	*351	*335	75	86	NE	o°s	Caln	o	8	9	—
8	*82	*74	56° 1	54° 0	48° 0	59° 5	3° 3	1° 2	*359	*382	79	92	SW	1	SW	1	10	10	*045
9	*63	*82	57° 0	49° 9	49° 7	61° 5	1° 5	2° 0	*434	*287	91	81	W	1	NNW	1	10	9	—
10	*81	*67	51° 8	41° 0	40° 9	56° 6	3° 6	0° 4	*295	*248	76	97	W	1	NNW	1	10	10	*121
11	*81	*87	51° 2	49° 0	40° 2	54° 5	3° 5	2° 2	*290	*294	77	85	NNW	2	NNW	1	9	9	—
12	*94	*94	56° 3	51° 4	43° 0	63° 2	4° 5	1° 7	*331	*336	72	89	NNW	1	NW	1	9	8	—
13	*92	*85	59° 9	58° 8	49° 2	67° 0	2° 5	1° 0	*436	*464	85	95	W	o°s	WSW	o°s	10	10	*040
14	*77	*70	58° 0	55° 0	54° 8	63° 5	1° 1	1° 1	*448	*400	92	92	S	o°s	SE	o°s	10	10	*019
15	*58	*43	58° 9	52° 3	48° 6	60° 6	0° 3	0° 2	*384	*381	77	97	SSE	1	E	1	10	10	*160
16	*29	*28	52° 9	52° 2	51° 0	55° 8	0° 3	0° 2	*392	*385	98	99	E	1	NE	1	10	10	*008
17	*32	*39	53° 2	54° 7	50° 8	60° 8	0° 9	1° 5	*386	*385	94	90	N	1	N	1	10	10	*100
18	*49	*64	55° 7	59° 2	52° 4	64° 6	0° 7	2° 3	*423	*431	95	86	N	1	ENE	o°s	10	9	*019
19	*65	*61	64° 8	57° 6	48° 1	70° 4	4° 0	1° 4	*475	*432	78	90	ENE	1	S	1	4	10	*285
20	*39	*59	57° 6	54° 6	53° 5	64° 1	1° 0	0° 6	*445	*409	93	96	WSW	o°s	NE	1	10	8	*079
21	*53	*44	61° 7	57° 0	50° 4	66° 5	5° 6	2° 9	*378	*380	69	82	S	1	SSE	1	6	9	*075
22	*33	*25	60° 4	56° 7	54° 5	60° 6	2° 9	1° 0	*433	*430	83	94	S	2	SSE	3	10	10	*078
23	*14	*13	60° 9	53° 9	52° 9	66° 5	1° 7	1° 9	*590	*361	73	87	S	2	S	1	8	10	*072
24	*17	*31	58° 0	53° 8	53° 0	65° 4	1° 3	1° 0	*442	*386	91	93	WSW	o°s	S	1	10	10	*092
25	*28	*28	60° 9	53° 0	52° 7	68° 4	3° 1	0° 3	*435	*394	82	98	SSW	o°s	Caln	o	7	9	*405
26	*40	*48	54° 7	51° 8	51° 0	64° 3	1° 0	1° 7	*400	*341	94	88	SW	1	SSW	1	10	7	*218
27	*45	*35	60° 8	52° 0	47° 0	61° 5	6° 7	0° 2	*339	*383	64	99	SE	2	NNE	1	8	10	1895
28	*46	*57	52° 9	51° 6	49° 1	54° 1	0° 2	0° 4	*396	*372	99	67	NNE	1	Caln	o	10	10	*176
29	*51	*43	56° 0	51° 5	49° 5	61° 0	3° 8	0° 8	*345	*359	76	94	SE	o°s	SSE	o°s	4	7	—
30	*40	*49	50° 7	50° 6	49° 0	55° 4	1° 8	1° 7	*325	*326	88	88	NE	2	Caln	o	10	10	—
31	20° 64	20° 75	58° 7	48° 3	47° 1	60° 8	2° 9	1° 1	*354	*285	71	86	NE	o°s	Caln	o	7	5	*102
Mean	20° 51.2	20° 51.2	57° 4	49° 0	48° 9	62° 2	2° 9	1° 4	*384	*370	82° 4	90° 9	1° 1	o°s	8° 5	9° 1	4° 47.5		
																			Overcast all day.
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MARKREE CASTLE (SLIGO).—JULY 1888.

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.

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.	56.8	53.0	34.5	63.5	4.5	0.9	in.	in.	%	%	SSE 1	SSE 1	6	10	ins.
2	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	270
3	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	810
4	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
5	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
6	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
7	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
8	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
9	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
10	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
11	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
12	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
13	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
14	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
15	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
16	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
17	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
18	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
19	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
20	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
21	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
22	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
23	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
24	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
25	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
26	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
27	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
28	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
29	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
30	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
31	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—
Mean	29.85	29.73	56.8	53.0	34.5	63.5	4.5	0.9	338	377	73	94	SSE 1	SSE 1	6	10	—

DUBLIN (PHENIX PARK).—JULY 1888.

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.

1	29°185	29°70	58°6	52°2	390	63°8	5°8	2°5	*331	*326	67	83	WSW 1	W 1	3	9	*420	Bright a. Cloudy p.
2	°43	°11	61°8	57°5	51°0	68°7	2°0	1°7	*485	*422	88	89	SSE 2	WSW 4	10	9	*185	Dull, with ☉ a. Cloudy p. Squally
3	°26	°29	59°7	55°4	53°0	66°5	5°0	2°4	*365	*371	71	85	W 3	WSW 2	5	5	*055	Cloudy day. ☉ showers p. [☉] n.
4	°19	°19	61°5	54°4	53°7	63°9	4°4	1°3	*407	*386	75	92	WSW 3	WSW 1	7	4	*820	Distant T 11a. ☉ Cloudy, with ☉
5	°25	°39	56°3	51°4	46°3	62°0	3°1	0°6	*366	*403	80	96	WSW 1	Calm 0	4	9	*020	☉ showers.
6	°56	°72	51°9	47°5	46°5	56°7	0°7	1°3	*368	*296	95	90	NE 2	NE 1	10	8	*010	Dull, with ☉ a. Cloudy p.
7	°82	°91	57°3	49°4	42°6	60°1	7°0	2°5	*285	*292	61	83	NE 1	Calm 0	6	7	—	
8	°91	°86	57°2	54°6	43°7	62°7	6°0	2°8	*307	*350	65	82	W 2	WSW 2	4	9	*010	Beautiful a. ☉ showers p.
9	°72	°85	59°7	51°1	50°5	62°3	2°3	3°3	*439	*393	86	78	W 2	Calm 0	9	8	*005	Dull a. Cloudy p.
10	°91	°72	53°7	43°6	42°9	57°9	5°4	2°6	*277	*228	67	80	WNW 3	WNW 3	9	5	*095	Cloudy day. ☉ showers p. ☉ 2 p.
11	29°184	29°02	52°6	51°3	40°4	58°2	4°5	3°8	*285	*285	72	75	NW 4	WNW 3	8	9	—	Squally ☉ in past n.
12	30°00	30°00	50°2	54°7	45°5	65°0	4°6	5°1	*328	*293	72	69	WNW 3	WNW 1	7	1	—	Beautiful day.
13	29°08	29°00	58°6	59°8	48°7	67°9	2°1	2°1	*438	*448	87	87	WSW 2	Calm 0	10	9	—	
14	°82	°75	61°0	55°1	54°4	62°0	3°2	0°9	*433	*408	81	93	NE 1	NNE 1	10	10	*005	☉☉☉ p.
15	°63	°48	57°8	54°7	48°0	62°8	3°9	0°6	*367	*411	77	96	E 2	ENE 2	10	10	*265	☉☉☉ p.
16	°30	°29	53°9	53°5	52°4	56°8	0°3	1°1	*407	*379	98	02	NE 2	NNE 2	10	10	*005	Dull day. [from 11p, ☉☉☉

PARSONSTOWN (BIRK CASTLE).—JULY 1888.

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.

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.	59°8	52°9	39°9	66°2	4°8	1°0	371	372	72	93	Calm	0	SSE 1	10	10	ins.	
2	29°82	29°72	59°8	52°9	39°9	66°2	4°8	1°0	371	372	72	93	Calm	0	SSE 1	10	10	569 ∞ a. ● from 3p.	
3	29°36	29°19	62°7	56°4	51°8	65°8	1°2	2°0	491	396	93	87	Calm	0	W	6	10	221 all day. Squally p. [showers p.	
4	29°31	29°29	66°7	56°0	52°7	64°5	3°1	1°1	415	416	81	92	W	4	SW	1	10	285 Squally a. Fine and bright a.	
5	29°19	29°19	58°6	52°9	52°7	63°6	2°3	2°6	422	331	86	83	SW	1	Calm	0	10	030 2 showers. Bright afternoon. [7p.	
6	29°53	29°35	57°3	50°1	42°9	63°1	4°8	2°3	336	385	72	85	W	1	Calm	0	10	015 Cloudy and mild a. Cir. p. 0 showers	
7	29°53	29°35	57°3	50°1	42°9	63°1	4°8	2°3	336	385	72	85	Calm	0	Calm	0	10	4 (mist) ga. Day bright and mild.	
8	29°51	29°31	56°8	53°3	43°8	62°1	5°9	3°6	305	312	67	76	N	1	Calm	0	1	7 a. Bright, with cool wind. [Cir. p.	
9	29°51	29°31	56°8	53°3	43°8	62°1	5°9	3°6	305	312	67	76	SW	2	SW	2	10	10	031 Gusty a. 0 showers from 11a.
10	29°49	29°39	58°4	54°7	42°7	60°1	6°5	1°5	312	385	64	89	WSW	3	NW	1	10	9	— Gusty a. and p. Mild a. Cold p.
11	29°46	29°36	57°7	50°7	40°7	57°9	5°9	2°7	270	267	65	81	NW	3	NW	4	8	1	010 Cold and gusty. 0 showers p.
12	29°44	29°34	54°1	47°6	40°9	57°9	5°9	2°7	270	267	65	81	NW	4	NW	2	10	10	— Cold, with squally 0
13	29°40	29°30	51°6	51°1	38°7	58°8	3°8	3°1	288	308	76	79	NW	1	W	1	9	10	— Fine, warm, and bright.
14	29°02	30°01	54°3	55°9	48°0	64°6	4°4	2°9	306	366	73	82	NW	1	W	1	9	10	— Warm and close.
15	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
16	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
17	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
18	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
19	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
20	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
21	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
22	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
23	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
24	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
25	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
26	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
27	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
28	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
29	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
30	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
31	29°08	29°59	58°6	58°2	52°9	68°7	2°6	3°3	413	387	84	80	Calm	0	Calm	0	10	10	— Calm, gloomy, and close.
Mean	29°559	29°557	57°9	54°6	48°5	63°3	3°8	2°2	373	367	77°6	85°6	1°5	0°9	8°2	7°6	4°470		

DUNROBIN CASTLE.—AUGUST 1888.

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.

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.	55.3	51.5	41.2	60.9	5.8	2.0	in.	in.	0.289	0.330	67	87	NW	NW	ins.	Fine and sunny a. ☉ showers p.
2	29.95	30.04	56.0	51.0	43.5	59.4	4.3	1.7	333	331	74	88	S	NW	—	—	230	
3	30.08	30.03	56.3	51.5	48.1	57.2	4.0	2.5	344	317	76	83	SW	NW	—	—	040	
4	29.01	29.93	56.3	51.5	48.1	57.2	4.0	2.5	344	317	76	83	SW	NW	—	—	170	
5	29.83	29.62	56.0	49.3	45.5	59.9	5.5	1.3	306	318	68	91	NW	W	—	—	160	
6	29.86	29.55	53.3	50.5	47.6	56.6	3.6	3.0	311	293	77	80	E	N	—	—	—	
7	30.00	29.52	53.5	53.0	46.7	55.7	4.8	4.5	287	288	71	72	NW	NW	—	—	—	
8	29.78	29.83	53.4	55.0	51.1	64.4	4.1	1.7	447	383	77	89	S	N	—	—	—	
9	29.72	29.91	58.4	55.7	51.6	63.9	3.4	1.0	388	415	79	93	W	NW	—	—	140	
10	29.98	30.04	61.4	55.5	49.4	63.6	2.9	1.5	450	397	83	90	S	W	—	—	200	
11	30.06	30.19	58.6	52.5	46.2	58.9	2.1	2.0	428	342	87	87	S	E	—	—	190	
12	30.16	30.01	52.5	52.5	50.4	53.5	2.0	1.5	342	354	87	90	E	SE	—	—	—	
13	29.72	29.52	54.5	59.4	51.6	59.6	2.0	5.7	368	343	87	68	SE	SE	—	—	220	
14	29.42	29.75	58.9	59.4	49.6	62.2	4.2	2.4	373	431	76	86	S	SW	—	—	180	
15	29.97	30.02	52.5	45.9	45.9	61.4	5.0	2.2	272	260	70	85	N	N	—	—	050	
16	30.15	30.17	51.7	46.6	41.5	57.6	4.2	2.9	280	253	74	80	SE	N	—	—	—	
17	30.27	30.29	49.3	48.0	41.7	54.0	3.8	2.7	263	270	75	81	NE	N	—	—	—	
18	30.32	30.28	49.5	46.6	45.9	53.0	4.5	3.1	250	248	71	79	N	N	—	—	—	
19	30.14	30.18	51.0	47.5	45.7	54.5	5.0	2.0	255	281	68	87	SE	N	—	—	—	
20	29.70	29.97	53.5	51.7	42.7	55.5	3.0	2.0	329	332	80	86	SE	E	—	—	100	
21	29.86	29.73	54.3	56.7	50.6	59.2	1.8	2.4	370	389	88	85	E	NE	—	—	—	
22	29.58	29.59	57.0	54.5	53.6	59.4	2.5	1.8	391	374	84	88	SE	NW	—	—	—	
23	29.61	29.69	59.4	55.3	53.1	60.3	3.7	2.0	394	380	78	87	S	S	—	—	—	
24	29.64	29.72	56.5	57.4	51.8	60.2	2.2	1.9	392	415	86	88	SE	NE	—	—	—	
25	29.41	29.49	58.6	57.4	55.6	62.4	4.1	2.1	372	409	76	87	W	SE	—	—	250	
26	29.61	29.64	61.2	58.4	49.6	63.2	4.5	3.9	400	375	75	77	S	SW	—	—	—	
27	29.57	29.59	58.4	54.5	54.1	64.6	2.7	2.2	407	363	83	86	SW	SW	—	—	—	
28	29.57	29.50	57.4	51.7	49.6	62.2	2.9	5.4	387	355	82	67	SW	W	—	—	—	
29	29.40	29.46	56.7	53.5	47.6	63.6	3.7	4.0	355	305	77	75	SW	SW	—	—	—	
30	29.51	29.60	57.0	52.3	50.4	61.4	4.7	3.6	334	300	72	77	S	W	—	—	—	
31	29.70	29.99	53.7	48.5	43.7	59.9	3.2	2.2	326	288	79	85	SW	W	—	—	—	
Mean	29.847	29.853	55.9	52.7	48.1	59.9	3.7	2.6	348	334	77.5	83.4	—	—	—	—	2.090	

BRAEMAR.—AUGUST 1888.

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.

1	28.73	28.82	52.5	46.5	34.4	58.7	7.0	0.7	233	300	60	96	NW	1	NW	0.5	7	7	420	Fair a. ☉ (hurricane) p.
2	84	90	54.2	48.5	37.1	61.5	4.5	1.2	301	311	72	92	NW	1	SW	0.5	6	7	410	☉ showers.
3	80	68	53.5	50.5	37.6	55.9	4.0	2.2	305	312	75	85	SW	4	SW	0.5	8	7	430	☉ showers.
4	64	51	53.8	47.7	44.3	60.5	6.3	4.0	260	240	63	73	SW	1	W	1	6	7	490	Fine day.
5	65	86	47.5	40.5	43.8	53.5	3.0	2.8	259	253	80	81	N	2	N	0.5	6	7	420	Cold and dull, with ☉ showers.
6	81	78	50.5	52.0	46.0	57.3	4.3	2.5	264	323	72	83	NW	1	NW	0.5	6	7	420	Dull, with ☉ showers.
7	67	62	61.4	54.7	50.9	63.5	4.2	2.2	412	366	76	86	SW	2	SW	1	7	4	440	Fair a. ☉ p.
8	64	75	54.2	53.7	49.2	59.8	2.7	3.0	345	331	82	80	SW	0.5	SW	0.5	7	7	450	Fine day.
9	79	82	54.2	55.3	48.4	64.5	2.7	3.2	345	349	82	80	SW	0.5	SW	0.5	7	7	450	Fine day.
10	84	91	53.8	50.5	44.7	61.3	2.3	1.2	350	337	84	92	SW	1	SE	0.5	7	7	—	
11	94	81	48.1	48.5	46.3	54.4	1.5	1.0	298	316	89	94	SE	0.5	SE	0.5	10	9	100	Damp, with ☉ (mist).
12	60	40	54.8	54.5	48.1	63.4	1.3	3.4	392	332	91	79	SE	0.5	S	0.5	9	8	430	Sultry, with ☉ showers.
13	24	54	55.8	47.7	46.5	58.5	4.3	3.2	331	256	74	78	NE	1	NW	0.5	7	8	430	Sultry, with ☉ showers.
14	72	91	46.7	48.5	43.3	50.5	5.0	1.9	212	294	67	87	SW	2	N	0.5	6	4	410	Dull day.
15	28.96	28.98	51.5	47.5	40.1	59.7	6.3	2.9	236	261	62	80	NW	2	NE	1	1	6	—	Fine day.
16	29.00	29.04	45.8	46.5	33.4	54.3	3.3	2.7	237	255	77	82	NW	0.5	W	0.5	7	8	—	Fine a. Dull p.
17	05	02	50.7	43.8	39.0	58.8	5.2	2.3	249	236	68	82	NW	0.5	NE	0.5	1	2	—	Fair, clear, and cold.
18	29.05	29.01	44.6	51.3	37.3	63.3	3.1	2.8	228	307	77	81	NW	0.5	NW	0.5	3	7	—	Fine and clear.
19	28.94	28.82	47.8	51.3	40.5	59.8	1.5	2.0	295	327	89	86	NW	0.5	SW	0.5	4	7	440	Fine and clear.
20	69	59	51.2	53.5	48.2	55.5	1.7	1.3	333	373	89	91	SW	0.5	SW	0.5	8	10	120	Dull and damp.
21	46	41	51.2	52.7	50.2	56.5	0.7	1.8	358	349	96	87	SW	0.5	SW	0.5	9	8	470	Dull a. and p. Fine mid-day.
22	46	58	54.7	53.5	49.4	63.2	2.0	2.4	371	344	87	84	SW	0.5	SW	0.5	8	7	—	Dull a. Fine later.
23	49	30	55.1	57.4	46.1	58.7	2.6	3.7	361	365	83	77	SW	1	SW	1	6	8	250	Dull, with ☉ showers.
24	30	33	57.3	53.9	53.9	61.5	3.5	2.2	369	353	70	85	SW	2	S	1	7	4	410	Fair a. ☉ showers p.
25	44	50	56.9	54.9	48.6	65.9	2.7	2.4	384	363	83	85	SW	1	SW	0.5	8	4	450	☉ showers a. Fine p.
26	45	46	54.2	51.5	51.2	60.7	2.4	3.0	353	305	84	80	SW	4	SW	0.5	8	8	460	☉ showers.
27	38	40	52.4	49.7	48.7	58.5	3.2	2.8	311	288	79	81	SW	2	SW	2	9	9	460	☉ showers.
28	31	31	54.3	48.6	48.6	60.5	4.8	1.6	297	302	71	89	SW	2	SW	0.5	8	2	100	☉ showers.
29	33	46	53.2	46.4	41.8	56.5	4.7	0.7	286	299	71	95	SW	2	SW	0.5	6	2	1010	Fine day.
30	53	28.74	51.2	47.3	36.4	55.0	3.7	3.5	286	246	76	76	SW	2	N	1	9	8	150	☉ showers.
31	28.94	29.00	48.5	45.9	40.8	58.4	3.1	2.3	268	278	79	81	W	1	W	0.5	6	2	140	☉ showers.
Mean	28.666	28.685	52.3	50.3	44.3	59.0	3.5	2.4	307	308	78.0	84.2	1.3	—	0.8	6.7	6.4	1.970	—	

LAUDALE.—AUGUST 1888.

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.

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.	55.0	45.3	43.6	59.4	3.7	1.3	332	306	77	91	Calm	0	Calm	0	4	1	ins.	Fine and bright.
2	30.07	30.05	55.0	45.3	43.6	59.4	3.7	1.3	332	306	77	91	Calm	0	Calm	0	4	1	0.0	☉ showers a.
3	30.08	30.10	56.3	54.3	42.4	61.3	4.3	4.1	336	313	74	74	N	1	SE	1	8	7	0.85	☉ showers a.
4	29.97	29.97	57.4	53.0	41.6	61.2	4.0	2.9	357	325	75	81	ESE	4	NW	1	10	10	0.85	☉ showers a.
5	29.88	29.75	55.0	49.0	47.4	59.6	5.0	1.9	302	300	70	87	N	1	NW	1	6	4	—	Fine all day.
6	29.95	30.09	55.4	51.2	49.0	58.8	4.1	3.2	329	297	75	79	N	6	Calm	0	3	9	—	Squally, but fair.
7	30.01	30.03	55.0	55.0	47.3	60.6	3.0	1.1	322	400	80	92	Calm	0	SW	3	10	10	0.130	☉ (mist) p.
8	29.82	29.79	59.9	56.9	54.3	64.8	1.2	2.2	477	398	93	85	SW	3	Calm	0	10	10	0.760	☉ all day. ☉ (mist) p.
9	29.82	30.02	57.9	57.0	56.0	61.1	3.0	4.0	391	351	82	75	SW	3	SW	2	10	10	0.195	☉ showers all day.
10	29.98	03	58.4	57.0	54.1	64.9	2.6	2.5	410	391	84	84	SW	2	SW	1	9	10	0.030	☉ showers all day.
11	30.05	30.07	56.0	57.3	49.6	62.9	1.8	1.3	397	430	88	91	Calm	0	SE	1	10	10	—	Dull all day.
12	30.04	29.91	56.7	55.3	53.0	57.5	0.9	2.0	433	380	94	87	S	2	SE	1	10	10	0.180	☉ showers all day.
13	30.08	47	59.5	55.6	52.6	64.6	1.5	0.9	460	416	91	94	SE	1	ESE	2	10	10	0.040	☉ all day.
14	29.47	29.86	53.8	49.3	48.3	57.1	1.8	2.1	363	299	87	85	N	3	WNW	4	10	10	0.330	☉ all day.
15	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Dull a. Fine p.
16	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
17	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
18	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
19	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
20	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
21	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
22	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
23	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
24	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
25	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
26	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
27	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
28	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
29	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
30	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
31	30.04	30.13	54.0	49.5	48.4	60.6	2.9	1.3	337	321	81	91	NW	3	Calm	0	10	10	—	Fine and bright.
Mean	29.841	29.858	56.2	54.0	49.0	61.2	2.8	2.3	374	356	82.4	85.0	1.7	1.7	7.1	7.7	7.760	—	—	☉ showers a.

GLASGOW.—AUGUST 1888.

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.

Long. 4 18 W. Lat. 55° 53' N.																			
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.	55°	49°	42°	61°	5°	1°	in.	in.	%	%	NW	1	WNW	1	ins.		
2	29° 80	29° 86	55° 7	49° 2	42° 2	61° 6	5° 2	1° 8	306	304	69	88	W	1	WSW	1	4	3	
3	° 92	° 95	56° 2	53° 0	41° 0	62° 5	4° 7	3° 2	324	318	72	79	W	1	WSW	1	6	8	
4	° 78	° 78	57° 3	51° 8	49° 0	60° 2	4° 3	2° 6	349	318	74	83	SW	3	WNW	2	9	6	
5	° 70	° 56	51° 3	50° 9	48° 2	61° 0	1° 5	3° 8	339	278	90	75	SW	1	WNW	1	10	7	
6	° 72	° 89	54° 9	51° 7	48° 0	64° 4	6° 5	4° 5	269	273	62	72	NW	1	WNW	1	5	8	
7	° 85	° 80	53° 0	53° 9	47° 6	54° 6	3° 6	0° 3	308	407	76	95	NW	1	Calm	0	10	10	
8	° 72	° 69	50° 4	54° 7	53° 9	61° 3	1° 8	1° 5	449	384	89	90	SW	3	W	1	10	5	
9	° 68	° 80	57° 4	55° 4	53° 2	65° 1	2° 7	2° 3	393	373	83	86	SW	2	W	1	8	7	
10	° 85	° 85	60° 2	56° 1	53° 3	65° 1	3° 9	1° 5	401	406	77	90	WSW	1	SW	1	10	9	
11	° 86	° 92	55° 6	53° 1	52° 9	59° 5	1° 3	1° 4	404	365	92	90	ENE	1	E	2	10	10	
12	° 89	° 76	50° 8	53° 8	50° 1	54° 4	1° 0	0° 7	345	394	93	95	E	1	E	1	10	10	
13	° 54	° 31	60° 6	57° 2	53° 4	66° 0	2° 3	2° 5	454	394	86	84	SSW	1	SSE	1	10	9	
14	° 29	° 67	56° 9	49° 0	48° 0	60° 2	3° 9	2° 9	353	277	76	80	W	1	WNW	2	7	4	
15	° 86	20° 05	53° 9	51° 2	44° 3	60° 2	5° 4	1° 5	279	338	67	90	W	1	WSW	1	5	3	
16	20° 05	30° 00	58° 4	50° 9	49° 0	65° 0	5° 8	3° 5	328	285	67	77	NW	1	ENE	1	5	7	
17	30° 04	° 06	52° 5	51° 9	44° 3	60° 4	3° 6	4° 4	303	277	77	73	NW	1	SE	1	10	9	
18	° 07	° 05	50° 7	49° 8	47° 5	60° 5	2° 7	2° 0	302	286	82	81	SSW	1	ESE	1	9	8	
19	30° 07	30° 03	51° 4	52° 2	47° 3	63° 2	2° 6	2° 0	312	338	82	86	WNW	1	NE	1	9	2	
20	29° 03	29° 80	54° 6	56° 6	44° 3	64° 9	2° 7	4° 0	352	346	82	76	SE	1	SSW	1	2	10	
21	° 63	° 52	53° 4	56° 9	51° 9	59° 1	1° 1	2° 2	377	399	92	86	ESE	1	SE	1	10	10	
22	° 39	° 38	54° 9	55° 0	54° 8	58° 2	0° 7	0° 7	410	412	95	95	E	1	NE	1	10	10	
23	° 46	° 56	59° 6	54° 2	53° 4	64° 5	4° 8	0° 8	367	397	72	94	WNW	2	SSW	1	7	3	
24	° 43	° 23	58° 9	58° 9	52° 3	62° 2	2° 2	3° 1	428	403	86	81	SSW	1	SSE	4	10	10	
25	° 26	° 30	51° 1	58° 1	57° 5	65° 6	3° 5	4° 0	396	367	79	76	SW	1	S	1	9	9	
26	° 42	° 49	60° 1	57° 4	53° 8	65° 2	3° 5	2° 8	412	389	79	83	S	1	SSE	1	9	8	
27	° 44	° 49	56° 4	54° 9	54° 2	63° 4	1° 4	1° 9	413	375	91	87	SSW	2	SW	1	9	6	
28	° 44	° 41	55° 8	54° 8	51° 6	60° 7	3° 0	1° 1	361	356	82	92	SW	3	SW	2	7	10	
29	° 40	° 35	54° 9	50° 4	50° 4	60° 4	3° 1	0° 8	345	345	79	94	SW	1	WSW	1	6	3	
30	° 40	° 50	54° 9	48° 8	48° 8	59° 4	4° 4	0° 8	315	324	73	94	SW	2	SW	1	9	2	
31	20° 58	20° 80	53° 0	49° 9	47° 3	57° 5	2° 3	5° 1	353	283	85	79	S	1	W	1	10	3	
Mean	20° 00	30° 06	53° 9	48° 4	43° 4	59° 5	3° 3	1° 5	328	303	78	90	WSW	1	SW	1	9	4	
Mean	20° 693	20° 702	55° 7	53° 1	49° 6	61° 5	3° 2	2° 3	357	346	80° 2	85° 3	1° 3	1° 2	8° 2	6° 9	2° 258		

WOLFELEE.—AUGUST 1888.

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.

1	29.35	29.42	53.8	49.0	36.0	62.0	5.3	0.5	2.80	3.35	68	97	NW	E	—	—	0.04	Fine and clear a. Kp.
2	29.46	29.51	55.0	46.5	34.0	62.2	4.0	4.0	3.25	3.20	75	73	SW	S	—	—	0.10	Fine and clear.
3	29.47	29.53	56.0	55.0	43.0	67.0	5.0	1.5	3.17	3.89	70	90	SW	SW	—	—	0.05	Fine and clear a. Kp.
4	29.30	29.40	51.0	43.0	43.5	63.0	1.5	1.5	3.36	2.45	90	88	W	W	—	—	0.30	Fine and clear.
5	29.20	29.42	52.5	47.0	39.0	59.5	5.0	1.5	2.72	2.87	69	90	NNE	NW	—	—	—	
6	29.40	29.37	53.0	52.5	38.0	61.0	4.5	1.5	2.88	3.54	72	89	W	W	—	—	—	
7	29.33	29.26	58.5	57.5	50.0	60.5	2.0	1.0	4.29	4.43	87	94	W	W	—	—	0.30	Dull a. Fine and clear p.
8	29.31	29.39	58.8	57.0	45.0	61.0	3.8	1.5	3.83	4.20	77	90	W	W	—	—	0.30	Dull and blowy a. 0.0 p.
9	29.41	29.40	57.5	59.0	51.0	65.0	1.5	2.0	4.27	4.35	90	88	SW	W	—	—	0.30	Blow and cloudy a. Fine p.
10	29.40	29.47	57.0	54.0	50.5	65.5	2.5	1.5	3.91	3.74	84	90	ESE	E	—	—	0.30	Dull and calm a. Fine p.
11	29.47	29.35	53.0	53.5	50.0	62.0	1.0	1.0	3.74	3.81	93	93	E	E	—	—	0.30	Calm a. Dull day.
12	29.17	29.06	60.0	54.0	51.0	60.5	2.5	1.5	4.38	3.74	85	90	SW	SW	—	—	0.40	0. a. Dull, with 0.0 p.
13	29.83	29.21	56.5	48.0	51.5	67.0	2.0	4.5	3.98	2.34	87	70	NW	NW	—	—	0.50	Dull, with 0.0 a. Fine p.
14	29.42	29.49	55.0	47.0	41.0	63.0	6.5	1.5	2.70	2.87	63	90	NW	NW	—	—	—	
15	29.49	29.55	56.0	41.0	43.0	64.5	4.5	2.5	3.29	2.66	73	81	NW	NW	—	—	—	
16	29.58	29.58	48.5	46.0	37.0	63.0	3.5	2.5	2.59	2.55	76	83	NE	NE	—	—	—	
17	29.60	29.60	48.0	48.0	42.0	63.0	3.5	2.5	2.59	2.55	76	83	NE	E	—	—	—	
18	29.62	29.58	51.0	44.0	42.0	66.0	3.5	2.5	2.88	2.34	77	81	E	E	—	—	—	
19	29.50	29.37	59.0	54.0	35.0	61.0	5.5	2.5	3.42	3.47	69	83	W	S	—	—	—	
20	29.25	29.09	56.0	54.5	49.0	60.0	3.0	2.0	3.65	3.68	81	87	SW	S	—	—	—	
21	29.99	29.95	54.2	54.5	50.0	60.0	1.7	2.0	3.72	3.68	89	87	S	S	—	—	0.30	Dull and damp a. Cloudy p.
22	29.01	29.19	57.5	54.0	51.0	60.0	3.0	1.0	3.86	3.88	81	93	NW	W	—	—	—	
23	29.08	29.00	59.0	59.5	51.0	68.0	2.5	3.5	4.32	4.01	85	79	SW	S	—	—	0.10	Dull and damp a. Fine p.
24	29.88	29.89	57.5	56.5	49.0	61.0	1.5	2.0	4.27	3.95	90	87	SW	SW	—	—	0.20	Fine a. Blowy p.
25	29.00	29.09	61.0	54.0	46.0	67.0	4.0	2.5	4.10	3.47	77	83	SW	SW	—	—	—	
26	29.04	29.11	58.5	52.0	47.0	69.0	2.0	1.5	4.29	3.48	87	90	W	SW	—	—	0.30	Dull, with 0.0 a. Dull and cloudy p.
27	29.05	29.01	57.0	50.5	48.5	67.0	2.0	2.0	3.31	3.17	75	87	SW	W	—	—	—	
28	29.01	29.00	56.5	49.0	42.0	63.8	5.0	1.5	3.32	3.10	70	90	W	W	—	—	0.40	Cloudy and blowy a. Clear and blowy
29	29.00	29.08	51.0	49.0	40.0	60.0	1.5	0.5	3.36	3.35	92	97	W	W	—	—	0.10	Blow a. Fine and clear.
30	29.16	29.32	52.5	42.0	39.5	58.0	2.0	2.5	3.41	2.16	87	82	SW	W	—	—	0.40	0. showers a. Kp.
31	29.48	29.60	52.0	46.0	37.5	60.0	4.5	1.5	2.77	2.76	72	90	W	W	—	—	0.10	Clear and blowy a. Fine p.
Mean	29.266	29.274	55.3	50.9	44.3	62.7	3.3	1.9	3.50	3.28	79.5	86.0	—	—	—	—	2.240	Fine day.

SCARBOROUGH.—AUGUST 1888.

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.

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.	53.6	50.6	45.1	60.5	1.4	1.5	.371	.329	90	90	SW	3	S	1	4	8	ins. .100	☼ (mist) 9a. Fine till 4p. then T
2	29.84	29.90	57.4	50.4	45.7	58.3	4.2	1.2	.352	.331	74	91	S	3	WSW	1	1	5	.220	☼ 0.4p. [0.0]
3	30.01	29.91	56.2	56.0	48.3	63.2	2.2	3.3	.386	.356	85	79	SW	1	WSW	2	7	10	—	☼ (mist) 9a. Fine day.
4	29.82	.54	58.7	55.8	52.2	60.1	6.0	0.5	.327	.430	67	96	W	4	WSW	2	9	10	.360	Fine a. ☼ later.
5	.57	.81	55.6	50.6	44.0	57.3	4.3	3.1	.325	.292	74	79	NNW	5	N	2	5	2	.020	☼ showers. ☼ midday.
6	.88	.85	58.2	54.9	49.5	58.9	6.7	1.9	.304	.375	63	88	NNW	2	NNW	1	6	8	.030	Bright early a. Dull later.
7	.85	.75	64.2	61.6	53.0	73.3	3.1	2.3	.491	.470	82	86	NW	2	W	3	5	7	.010	Very warm and bright.
8	.84	.86	61.0	59.6	57.5	68.5	3.5	4.7	.424	.371	80	73	NW	2	WNW	1	5	5	—	Dull a. Fine afternoon.
9	.92	.83	68.0	58.8	53.3	68.5	6.7	1.3	.447	.454	65	92	WSW	1	NE	1	2	10	.010	—
10	.86	.83	56.0	56.6	55.0	60.1	1.2	1.7	.427	.407	92	88	NE	3	NE	1	10	10	.050	Dull and cooler.
11	.93	.85	54.5	53.3	53.0	57.0	0.4	0.2	.413	.401	93	99	ESE	2	SE	1	10	10	.090	Dull day. ☼ in afternoon.
12	.72	.48	60.4	59.7	52.0	67.2	1.4	0.5	.477	.494	92	97	WNW	1	W	1	9	10	.200	Dull, with ☼ showers.
13	.35	.63	57.2	52.6	32.0	63.5	3.7	4.7	.561	.280	77	71	W	5	NW	5	9	3	.010	Fine day. Cold evening.
14	.91	.94	58.7	53.6	44.7	62.9	7.8	2.8	.288	.335	58	81	N	1	NW	1	4	1	—	Fine but cold. ☼
15	29.98	.96	55.8	51.2	47.0	56.8	3.2	2.9	.355	.303	80	81	NE	3	NE	2	5	10	—	Fine day. ☼
16	30.02	.98	50.8	49.6	49.0	53.8	3.6	1.3	.285	.323	76	91	NNE	3	NW	1	10	10	.010	Dull day. ☼ in evening.
17	.01	29.97	52.5	49.8	48.5	53.5	2.3	1.5	.334	.321	84	89	NNE	3	NE	3	10	10	—	Dull and cold.
18	.09	30.00	53.5	46.6	45.8	54.1	4.2	1.7	.301	.278	74	88	NNE	2	Calm	0	9	0	—	Dull a. Bright afternoon.
19	30.02	29.89	52.7	55.2	43.0	58.5	2.5	1.4	.331	.304	83	91	WSW	1	Calm	0	2	10	—	Very bright and clear.
20	29.78	.62	59.5	56.4	52.4	64.7	4.6	1.2	.373	.419	74	92	SW	3	SW	4	9	10	.210	Dull most of day.
21	.45	.40	53.7	56.4	52.0	57.8	0.1	1.1	.410	.422	99	93	S	1	SW	1	10	8	.010	☼ 9a. Dull all day.
22	.47	.60	59.7	55.9	52.1	62.5	2.6	1.4	.428	.494	85	91	N	2	W	3	10	4	.400	Unsettled. ☼ 3p.—4p.
23	.63	.50	62.8	59.3	52.2	63.1	4.4	1.0	.427	.472	75	94	SW	4	SW	4	3	8	.030	Dull, with ☼ showers.
24	.43	.39	59.4	59.7	56.1	65.4	2.2	0.3	.436	.501	87	93	SSW	3	S	1	10	10	.150	Fine afternoon. ☼ in evening.
25	.49	.59	58.5	56.6	55.6	67.7	1.0	1.3	.459	.419	94	91	SW	1	SW	1	5	0	—	☼ before 9a. Bright day.
26	.63	.61	57.6	55.6	52.0	62.6	1.6	1.7	.428	.391	89	88	W	1	W	3	5	5	.030	Fine a. ☼ showers in afternoon.
27	.61	.52	58.4	55.6	45.3	65.3	2.8	1.3	.403	.403	83	91	W	2	W	1	9	8	.050	☼ showers. < 9p.
28	.58	.24	54.6	51.7	50.2	57.5	1.6	0.3	.379	.375	89	98	SW	1	N	3	10	10	.880	☼ 2 p.
29	.50	.58	57.3	50.2	48.0	60.8	3.1	1.1	.378	.335	81	93	WNW	4	WNW	2	4	0	.020	Fine early a. ☼ 7p.
30	29.68	29.76	56.7	53.6	40.6	61.8	3.6	1.8	.357	.361	78	83	WNW	3	WNW	2	3	3	.020	Fine early a. ☼ 7p.
31	30.00	30.05	56.5	58.4	47.5	68.3	5.0	3.8	.321	.278	71	75	NNE	3	Calm	0	3	10	—	Fine till evening.
Mean	29.768	29.744	57.4	54.5	49.9	61.9	3.3	1.8	.381	.378	80.6	88.5	2.4	1.7	6.5	6.9	2.910			

STONYHURST.—AUGUST 1888.

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.

Long. 2 28 W. Lat. 53° 51' N.																	
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.	58.0	52.7	42.0	62.6	7.3	3.0	in.	in.	60	80	Calm	0	Calm	0	ins.
2	29.63	29.68	58.0	52.7	42.0	62.6	7.3	3.0	290	320	60	80	Calm	0	Calm	0	1.146
3	74	81	58.5	51.7	43.9	63.6	4.7	2.4	356	322	72	84	Calm	0	Calm	0	1
4	82	72	57.9	56.7	46.2	62.2	5.2	3.4	336	363	70	79	SSW	1	swbys 1	10	2
5	64	39	55.9	55.7	49.8	57.1	3.4	0.7	354	423	79	95	SSW	2	swbys 2	10	2.75
6	49	70	53.3	53.4	47.9	60.9	5.6	2.8	268	332	66	82	NW	2	swb.w 3	10	1.201
7	72	70	53.7	53.6	49.2	54.6	3.2	0.6	327	394	79	66	W	2	swb.w 1	9	9
8	70	63	59.5	59.7	53.0	68.5	1.3	2.1	467	446	92	88	swbys 1	1	swbys 1	10	10
9	67	72	61.2	59.3	55.9	65.0	4.2	2.0	408	441	76	88	SW	1	Calm	0	1.106
10	70	63	63.1	62.4	55.3	74.0	4.0	2.2	445	489	77	87	Calm	0	Calm	0	1.361
11	60	68	64.7	59.2	57.4	68.2	3.4	2.0	492	439	81	88	NNE	1	NbyE 1	9	10
12	70	63	57.3	57.5	56.6	61.0	1.6	1.2	421	436	89	92	NE	1	NNE 1	10	10
13	48	25	60.1	57.8	56.8	62.7	1.8	4.5	462	352	89	74	SbyE 2	2	S by W 3	10	10
14	24	58	53.6	51.3	50.5	62.7	1.9	4.4	358	271	87	72	WSW 5	5	W 4	10	5
15	77	81	54.8	51.0	47.9	59.3	4.9	2.5	302	311	71	83	WSW 1	1	Calm	0	8
16	77	79	56.3	50.2	46.2	62.1	4.2	2.0	339	312	74	86	Calm	0	swbys 1	1	8
17	84	85	52.2	48.3	42.9	56.6	4.9	2.7	270	243	70	80	NNE 1	1	Calm	0	10
18	85	86	52.1	47.1	43.9	56.6	5.4	4.2	250	230	67	71	N	1	Calm	0	10
19	91	88	54.5	49.3	44.5	59.0	6.0	1.8	274	306	65	88	NE	1	Calm	0	7
20	78	65	55.1	57.1	42.4	65.0	3.6	4.6	336	338	77	73	Calm	0	SSW 1	1	4
21	54	38	54.9	54.4	52.0	59.4	2.6	1.2	358	389	83	92	SbyE 2	2	Calm	0	1.090
22	24	21	56.0	57.1	52.9	64.4	1.1	1.1	416	433	92	92	Calm	0	Calm	0	10
23	33	49	57.6	57.3	55.1	62.3	2.6	1.9	398	413	83	87	W	2	WSW 1	1	10
24	40	25	55.7	59.7	52.1	62.6	0.7	3.8	423	396	95	77	Calm	0	SbyE 3	3	8
25	18	16	58.0	57.4	56.5	60.8	0.8	1.7	457	420	94	89	SbyE 2	2	SSW 1	1	10
26	29	41	57.7	57.4	52.6	67.0	2.7	2.3	397	403	83	86	SSE	1	Calm	0	5
27	42	47	57.1	56.7	51.6	64.2	2.8	2.5	384	387	82	84	S	2	SW	1	8
28	41	37	58.2	55.8	53.0	62.5	2.3	6.1	415	290	85	65	swb.w 3	3	WSW 1	1	6
29	35	18	55.7	51.1	55.9	57.9	2.7	1.1	368	347	83	92	SSW	1	WNW 1	1	10
30	36	43	55.0	51.0	50.0	59.0	3.1	2.0	347	323	80	86	WSW	4	SW	1	10
31	49	65	54.1	48.8	46.3	58.6	3.4	3.2	326	270	78	78	SW	1	WhyN 1	1	1.288
Mean	29.577	29.577	56.7	54.5	50.0	61.9	3.5	2.5	365	360	78.7	83.7	1.3	0.9	8.3	7.4	6.070

HILLINGTON.—AUGUST 1888.

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.

1	29°'93	29°'96	56°'2	52°'2	40°'6	59°'6	4°'9	1°'2	*318	*358	71	92	N	1	N	0°'5	8	8	*010	☐ 9p.
2	30°'04	30°'12	60°'0	48°'8	48°'2	65°'4	5°'3	0°'4	*361	*335	70	97	E	2	E	2	5	5	—	Very fine and sunny. ☐ ² p.
3	30°'18	30°'15	58°'0	56°'0	45°'7	68°'7	2°'8	1°'3	*399	*410	82	91	S	2	W	1	6	5	*050	Overcast, then very fine and sunny.
4	29°'94	29°'73	58°'8	56°'2	50°'2	59°'9	1°'7	0°'5	*443	*436	90	97	W	3	W	3	10	10	*670	☉ ² p.
5	29°'65	29°'95	54°'5	52°'2	48°'7	60°'7	2°'0	0°'5	*369	*377	87	97	NW	4	NW	1	6	8	*010	☉ ⁰ early a. Fine and sunny. ☐ 9p.
6	30°'07	30°'02	56°'8	54°'8	48°'7	63°'4	2°'3	0°'5	*394	*415	85	96	NW	2	NW	0°'5	7	10	*050	☉ ⁰ in evening.
7	03	00	62°'0	66°'1	51°'2	77°'6	3°'4	1°'2	*446	*594	80	93	NW	1	W	0°'5	8	8	*030	☐ 9p.
8	03	30°'05	66°'0	59°'2	57°'4	73°'7	2°'4	0°'5	*550	*485	86	97	W	3	W	0°'5	7	0	—	☐ 9p.
9	30°'05	29°'94	72°'0	67°'2	52°'7	83°'8	3°'2	1°'5	*646	*607	83	91	S	2	SW	2	0	6	—	Very fine and sunny. ☐ 9p.
10	29°'93	29°'92	70°'9	63°'6	58°'2	73°'0	2°'1	1°'0	*666	*552	88	94	SE	2	SW	0°'5	7	0	—	Very fine and sunny. ☐ 9p.
11	96	96	59°'1	62°'0	56°'6	67°'4	1°'0	2°'2	*469	*480	94	87	NW	1	W	2	10	10	—	Overcast most of day. ☐ 9p.
12	88	65	64°'2	63°'0	58°'7	69°'7	2°'4	3°'2	*516	*465	86	81	SW	3	SW	3	10	10	—	☐ ² p.
13	29°'66	29°'87	60°'8	52°'6	52°'2	65°'5	4°'1	0°'5	*404	*382	77	97	SW	6	SW	3	6	0	—	Very fine and sunny. ☐ 9p.
14	30°'07	30°'08	57°'8	47°'2	44°'2	65°'6	0°'9	0°'4	*451	*315	93	98	SW	4	SW	0°'5	3	0	—	Very fine and sunny till 10a. ☐ ² p.
15	04	03	62°'2	46°'5	41°'2	62°'8	2°'6	0°'8	*472	*298	85	95	W	2	W	1	5	2	—	Overcast all day. ☐ ² 9p.
16	07	09	54°'5	50°'3	44°'0	57°'4	1°'4	0°'6	*384	*349	91	96	NE	2	NE	0°'5	10	10	—	Overcast a.
17	04	12	56°'0	49°'1	45°'2	58°'6	0°'3	0°'3	*439	*342	98	98	NE	3	NW	2	10	10	—	Fine and sunny.
18	15	18	54°'8	48°'0	44°'2	59°'4	1°'3	1°'1	*391	*273	91	91	NE	3	NE	1	10	0	—	Overcast.
19	30°'15	30°'03	57°'0	53°'0	36°'2	67°'7	3°'3	0°'3	*369	*304	79	98	S	1	SE	0°'5	0	6	—	Overcast.
20	29°'96	29°'80	60°'2	55°'5	51°'7	65°'6	0°'6	0°'3	*501	*431	97	98	S	2	SE	2	10	10	*550	☉ ⁰ most of day.
21	55	51	58°'2	56°'5	54°'2	60°'4	0°'4	0°'4	*472	*444	98	98	S	1	SW	2	10	10	—	Overcast a.
22	62	81	62°'5	53°'0	49°'4	69°'5	0°'9	0°'4	*533	*391	95	97	W	3	W	1	6	0	—	Overcast a.
23	85	75	58°'5	58°'5	47°'7	64°'9	2°'3	1°'4	*419	*446	86	92	SW	3	SW	2	8	4	—	Overcast a.
24	56	51	66°'0	60°'0	55°'0	74°'5	3°'9	0°'1	*501	*514	79	99	S	3	S	1	6	10	*450	Distant ☉ ² p.
25	62	78	60°'1	55°'0	55°'0	71°'7	1°'5	0°'1	*472	*430	91	90	SW	1	S	1	8	0	—	Very fine and sunny. Distant T p.
26	82	82	57°'2	59°'0	50°'2	69°'5	1°'5	0°'3	*422	*489	90	98	SW	3	SW	2	10	10	—	Overcast from 2.30p.
27	78	71	59°'2	58°'0	54°'6	66°'4	0°'5	0°'4	*485	*469	97	97	SW	3	SW	4	6	10	*450	Overcast from 4p. ☉ ² from 6.30p.
28	75	33	57°'5	58°'0	51°'3	59°'6	0°'6	0°'3	*457	*472	96	98	S	3	SW	2	10	10	1°'270	☉ ² all day.
29	76	85	57°'2	50°'2	49°'2	63°'4	0°'5	0°'1	*453	*361	97	99	SW	4	SW	3	6	10	*1750	☉ ² early a.
30	29°'84	29°'93	55°'8	54°'0	45°'2	68°'6	0°'4	1°'3	*433	*379	97	91	SW	3	SW	0°'5	7	10	*030	☉ ⁰ early a. ☐ ² p.
31	30°'10	30°'23	54°'0	44°'2	44°'1	60°'4	0°'2	0°'0	*412	*290	99	100	NW	2	W	1	10	0	*210	☉ ⁰ early a. ☐ ² p.
Mean	29°'905	29°'900	59°'6	55°'1	49°'4	66°'3	2°'0	0°'7	*453	*419	88°'3	95°'2	2°'5	1°'5	7°'3	6°'2	3°'930			

CHURCHSTOKE.—AUGUST 1888.

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.

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.	52.3	49.8	37.8	64.0	2.3	0.9	in.	in.	84	93	SE	1	W	1	9	8	ins.
2	29.43	29.50	52.3	49.8	37.8	64.0	2.3	0.9	.331	.334	84	93	SE	1	W	1	9	8	.080
3	57	63	58.0	46.8	40.5	67.4	2.0	1.5	.421	.284	87	89	NW	1	W	1	5	2	—
4	64	59	58.8	55.1	39.0	66.2	5.0	2.7	.342	.358	71	82	WSW	1	W	2	9	8	.015
5	50	53	59.0	56.4	54.5	63.9	3.4	1.1	.409	.422	80	93	SW	1	SE	1	8	10	.070
6	53	57	53.0	46.9	45.0	60.3	4.9	1.5	.279	.285	70	90	NW	1	NW	1	8	1	.090
7	55	53	53.9	60.8	42.4	61.1	4.3	1.1	.378	.494	91	93	SW	1	W	1	10	10	—
8	54	50	68.0	59.8	58.0	71.4	7.1	2.8	.437	.425	64	83	W	2	W	1	5	5	—
9	52	55	60.0	51.9	51.5	71.9	5.0	0.9	.369	.362	71	94	W	1	W	1	5	2	—
10	48	49	66.5	60.8	49.0	80.5	4.8	1.7	.482	.475	75	90	E	1	W	1	0	2	—
11	42	50	63.5	61.0	54.5	74.9	3.6	2.9	.462	.441	80	83	NW	1	Calm	0	5	10	—
12	49	44	60.5	58.0	56.0	62.5	2.2	1.8	.457	.427	87	88	SW	1	SW	1	10	5	—
13	30	09	62.2	56.9	56.0	67.9	3.0	0.9	.459	.436	82	94	SW	2	SW	4	8	10	.089
14	17	48	56.9	48.7	48.0	60.1	5.3	2.0	.318	.294	69	86	WSW	4	NW	1	9	0	—
15	62	62	59.0	48.3	39.0	65.3	7.0	1.4	.308	.304	61	90	NW	2	NW	1	5	5	—
16	58	54	52.9	55.1	41.8	63.9	1.9	2.3	.349	.360	87	85	SE	1	E	1	10	10	—
17	62	63	50.4	50.4	40.3	57.3	4.5	2.4	.259	.305	71	84	E	2	NE	1	9	10	—
18	63	67	47.3	43.8	42.0	57.3	2.2	1.3	.275	.256	85	90	NE	1	N	1	10	8	—
19	71	68	51.9	45.8	36.8	63.0	4.4	0.9	.276	.287	73	93	NNW	1	NW	1	6	6	—
20	58	46	59.2	52.9	39.0	64.9	5.0	0.9	.357	.375	71	94	SSE	1	SE	1	8	10	.130
21	31	17	55.1	52.0	50.1	58.9	1.1	0.6	.401	.384	92	96	SSE	3	ESE	1	10	10	.300
22	07	08	56.9	52.9	51.4	65.7	2.1	1.1	.400	.370	87	93	W	1	W	1	9	4	.110
23	20	33	61.2	54.9	49.8	65.4	4.0	2.5	.413	.360	77	84	NW	1	W	2	7	2	—
24	29.43	29.05	60.0	59.8	52.0	66.0	2.1	4.0	.449	.391	87	76	SW	2	SW	4	9	8	.155
25	28.93	28.94	59.4	51.9	51.0	62.0	1.0	0.9	.473	.362	94	94	SSE	2	NW	1	10	2	.166
26	29.09	29.24	60.0	55.7	49.0	68.9	3.0	1.7	.424	.393	82	89	SSE	2	SE	1	8	4	—
27	25	35	59.8	56.9	49.5	67.1	3.8	2.9	.399	.378	77	82	SW	4	SW	2	8	8	—
28	29	26	60.8	54.9	54.0	65.9	4.8	1.9	.385	.375	73	88	SW	2	SSW	2	6	4	.800
29	13	06	55.3	47.9	46.8	56.1	1.3	1.0	.399	.308	91	93	SE	1	SE	1	10	2	1.340
30	25	30	52.7	49.9	47.2	61.3	1.7	2.6	.352	.294	88	83	NNW	2	W	2	9	2	.328
31	31	51	53.3	48.9	47.0	61.9	1.5	2.0	.365	.296	90	86	W	1	WNW	2	8	9	.010
32	29.67	29.77	52.7	43.8	38.8	60.9	2.9	1.9	.322	.243	81	85	NNE	2	W	2	8	2	—
Mean	29.400	29.411	57.4	52.9	47.0	64.7	3.4	1.7	.379	.358	79.9	88.5	1.6	1.4	7.8	5.8	3.683		

MARGATE.—AUGUST 1888.

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.

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.	57.0	56.3	53.0	64.0	1.5	2.5	in.	in.	%	%	E	3	E	2	10	10	ins.	0.50	Fine day.				
2	29.85	29.88	57.0	56.3	53.0	64.0	1.5	2.5	.419	.379	90	84	E	2	NNE	1	7	0	—	—	Fine day.				
3	29.97	30.12	59.3	55.7	52.6	66.0	4.1	1.8	.381	.303	76	88	E	2	NNE	1	7	0	—	—	Fine day.				
4	30.17	30.17	60.2	55.6	52.6	68.0	3.2	1.6	.421	.396	81	89	NE	2	Calu	0	1	0	0.00	0.00	a.				
5	30.06	29.86	57.6	57.4	50.3	67.0	2.5	1.6	.401	.424	84	90	SSW	2	SW	4	10	10	0.00	0.00	Dull day.				
6	29.61	29.92	56.3	55.6	55.0	61.7	5.0	4.3	.318	.325	71	74	WNW	4	NW	5	7	5	0.20	0.20	Boisterous in past n. 8p.				
7	30.03	30.03	55.2	53.4	51.1	60.1	2.4	0.4	.367	.397	85	97	W	3	W	1	9	10	0.50	0.50	showers.				
8	.05	.03	61.0	60.8	53.4	74.8	0.8	0.9	.509	.501	95	94	W	1	W	2	10	0	—	—	ga. Warmer.				
9	.07	.08	66.8	60.5	57.2	78.0	4.0	1.3	.511	.482	78	92	SW	1	SW	1	4	0	—	—	Fine and warm.				
10	30.07	30.04	73.0	68.1	59.0	79.7	6.7	4.3	.545	.526	67	77	SSW	2	SW	1	1	4	—	—	Dull day.				
11	29.95	29.95	72.2	65.4	63.6	81.0	5.1	2.4	.580	.539	74	86	S	2	W	3	9	0	—	—	Fine and warm.				
12	30.01	.98	65.2	60.0	55.4	69.0	3.2	1.5	.505	.469	82	91	W	1	W	1	6	10	—	—	Fine and warm.				
13	29.92	.77	64.0	62.0	60.0	71.0	4.0	2.0	.461	.487	77	88	SW	2	W	4	10	1	—	—	Fine and warm.				
14	29.78	29.96	59.3	55.1	53.0	69.3	8.2	4.6	.406	.386	81	89	W	4	W	2	9	0	—	—	Fine and warm.				
15	30.15	30.14	59.4	51.1	49.0	65.4	6.4	1.1	.327	.346	63	92	NW	1	W	1	0	1	—	—	Fine and warm.				
16	29.97	29.93	57.0	58.0	49.0	59.1	4.0	4.6	.352	.352	70	73	SE	1	E	3	10	10	0.10	0.10	Fine day.				
17	.99	30.07	58.0	54.2	52.0	60.0	2.6	0.2	.404	.415	83	99	NE	2	N	2	9	10	0.30	0.30	Fine day.				
18	29.98	.03	54.4	54.0	53.0	59.4	0.4	0.0	.412	.418	97	100	N	3	NE	3	10	10	—	—	Fine and warm.				
19	30.14	30.02	58.0	55.0	48.0	61.6	3.0	1.0	.393	.403	81	93	NE	1	SE	1	2	10	—	—	Fine and warm.				
20	29.92	29.73	60.8	59.0	55.0	64.0	1.4	0.0	.485	.500	91	100	SE	1	S	1	10	10	0.20	0.20	Fine day.				
21	.58	.68	60.0	57.0	56.0	60.0	0.2	4.6	.511	.338	99	72	S	1	W	2	10	10	0.20	0.20	Fine day.				
22	.70	.87	63.0	56.0	54.0	60.0	2.7	4.0	.482	.338	84	75	W	2	W	1	1	1	0.70	0.70	Fine and warm.				
23	.78	.61	57.0	51.0	64.6	1.4	4.6	.496	.338	92	72	W	1	SW	1	10	4	—	—	—	—	Fine and warm.			
24	.60	.48	67.4	63.0	56.4	70.1	1.4	8.0	.615	.338	92	59	S	1	Calm	0	3	1	—	—	—	—	Fine and warm.		
25	.67	.76	63.2	56.1	55.6	70.0	2.9	1.9	.479	.396	83	87	W	1	SW	1	8	0	—	—	—	—	Fine and warm.		
26	.85	.89	61.4	58.0	51.0	69.1	3.8	3.9	.422	.369	78	77	SW	2	SW	2	5	2	—	—	—	—	Fine and warm.		
27	.89	.85	62.0	57.8	51.2	68.0	5.6	2.8	.382	.396	69	82	SW	2	SW	3	3	10	—	—	—	—	Fine and warm.		
28	.86	.49	60.6	57.0	55.8	64.0	2.4	1.0	.453	.434	85	93	W	3	SW	4	3	10	.330	.330	Stormy, with 2 before ga. Day bright and fine.				
29	.82	.87	58.8	54.9	49.8	65.1	5.1	2.7	.349	.356	71	83	W	4	W	4	3	4	0.10	0.10	showers.				
30	29.91	29.98	58.8	53.1	48.8	63.8	5.7	1.3	.335	.367	68	91	SW	3	SW	3	4	0	0.20	0.20	showers.				
31	30.11	30.18	56.0	53.7	50.8	62.0	4.2	3.6	.333	.318	74	77	NW	1	NE	1	1	8	—	—	—	—	Fine and warm.		
Mean	29.923	29.922	60.7	57.3	53.1	67.0	3.2	2.4	.435	.493	81.5	85.5	2.0	2.0	6.3	5.2	0.760	0.760	—	—	—	—	—	—	Fine and warm.

SOUTHAMPTON.—AUGUST 1888.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.

	29°86	29°92	52°6	51°5	50°8	50°8	0°4	0°8	'386	'359	97	94	NNE	2°5	NNW	3	10	10	'146	● ² n. and early a. < ¹ op.
2	30°02	30°12	53°0	55°2	50°9	70°3	2°4	2°5	'410	'365	85	84	NNW	3	NW	1	9	0	—	Beautiful day. Cool evening. D n.
3	'18	30°17	60°0	57°1	46°8	69°7	3°4	2°0	'426	'407	80	87	SSW	1°5	SW	2	9	3	'003	● ² a. Beautiful day.
4	30°08	29°87	59°0	57°9	50°9	66°2	0°7	1°0	'477	'450	96	84	SW	3	SW	4	10	10	'132	Beautiful day. Cool evening.
5	29°78	30°04	58°4	57°5	53°2	66°6	5°7	2°9	'331	'331	68	81	NE	5	NW	1°5	4	0	—	Beautiful day. Cool evening.
6	30°11	'04	55°6	60°5	47°8	62°6	1°8	0°7	'391	'503	88	96	W	1	NW	1°5	10	10	'017	9.30p. D n.
7	'10	'08	64°0	59°7	56°9	73°0	2°0	0°7	'525	'480	88	96	NW	2	SW	2°5	10	10	—	Beautiful day. Beautiful day from 8.30p.
8	'10	30°08	61°7	59°0	58°2	73°5	1°5	0°3	'499	'490	91	98	SW	2	S	2	10	10	—	D a. and p. Beautifully fine and warm.
9	30°03	29°07	73°6	66°0	54°7	79°2	5°6	3°0	'594	'520	72	83	SSE	3	SE	2	2	2	—	Beautifully fine and warm. D ² n.
10	29°05	30°01	72°6	60°2	60°0	75°6	5°1	2°1	'591	'453	75	88	SW	2	SW	3	1	0	—	Beautifully fine and warm. D ² n.
11	30°03	30°01	60°9	59°9	55°9	64°2	2°3	1°7	'459	'461	87	90	SW	2	SW	2	10	10	—	Beautiful day with pleasant breeze. D n.
12	29°01	29°00	61°5	57°2	56°9	65°6	1°4	0°7	'498	'447	92	96	SW	3°5	SW	4	10	10	'090	D a. and p. Beautiful day.
13	29°81	30°00	65°3	54°9	54°8	69°3	7°5	2°4	'383	'364	61	85	W	4	W	1	8	0	—	Dull and cold a.
14	30°14	30°09	65°0	55°9	46°1	72°1	7°9	2°3	'369	'383	59	86	NW	1	SW	1	1	2	—	Beautiful day, but with cold wind.
15	29°09	29°06	56°6	56°0	49°1	62°7	3°1	3°9	'370	'343	80	76	NE	3	NE	2°5	10	10	'008	Dull and cold.
16	30°06	30°05	58°9	56°0	46°6	65°8	5°2	2°5	'349	'372	70	84	NE	4	NE	3	2	10	—	Dull and cold a.
17	'05	'09	52°8	53°8	47°0	61°8	3°1	3°2	'319	'327	79	79	NE	4°5	NE	3	10	10	—	D ⁰ a. Beautifully fine and pleasant.
18	'18	'19	54°8	55°5	47°8	62°4	4°0	1°7	'323	'392	76	89	NE	3	NNW	1	10	10	'430	Fine and pleasant 10a.—4p., then ● ² n.
19	30°14	30°01	61°0	56°9	47°0	66°5	3°0	3°4	'439	'365	82	79	S	1	SE	3	6	10	—	● ² in past n. and 2.30p.
20	29°87	29°68	60°3	58°1	56°2	66°4	3°5	0°3	'413	'474	80	98	SE	3	SE	3°5	10	10	'030	Beautifully fine and pleasant. D n.
21	'60	'60	58°4	57°7	56°9	64°0	0°8	0°9	'464	'465	95	95	NW	2	W	2	8	10	'060	Fine and pleasant. D ⁰ n.
22	'73	'90	66°1	57°9	52°2	71°2	5°1	1°7	'463	'428	72	89	NW	3°5	WSW	2	7	2	'075	(7p.
23	'83	'71	59°5	60°7	55°0	66°4	0°6	2°0	'490	'465	96	88	SW	3	S	3	10	9	'002	Beautiful day throughout. D n.
24	'56	'53	62°7	59°0	58°2	65°7	2°9	0°6	'472	'480	83	96	S	3°5	SW	1°5	8	1	'020	Beautiful a. D ² p.
25	'63	'79	62°1	58°5	55°7	69°5	2°4	1°4	'477	'446	85	91	SW	2	SW	1°5	7	0	'186	Beautiful a.
26	'89	'91	63°3	61°8	56°1	65°7	4°7	0°7	'428	'441	73	95	SW	1°5	NW	1°5	7	0	'922	Beautiful a.
27	'92	'87	62°5	59°6	51°9	65°2	4°3	2°0	'426	'447	75	88	SW	3	SW	4	9	10	'093	Beautiful a.
28	'78	'56	58°8	58°3	52°9	61°6	0°7	2°9	'474	'328	96	81	SW	4°5	W	7	10	8	'310	Beautiful a.
29	'86	29°90	61°9	53°4	50°6	64°6	5°7	1°2	'378	'374	68	91	W	3	WSW	3	7	5	'003	Beautiful a.
30	29°91	30°01	60°9	53°6	48°2	64°4	4°8	1°0	'387	'383	73	93	SW	3°5	SW	1°5	9	8	'003	showers. K ¹ p. T 2.30p.
31	30°19	30°24	58°9	51°5	46°1	66°3	4°2	1°6	'373	'339	75	89	NW	2	NW	1	7	0	—	Beautiful day. D n.
Mean	29°44	29°42	60°0	57°0	52°3	66°9	3°4	1°7	'432	'416	80°5	89°0	2°8		2°4	7°9	6°4	2°524		

BABBACOMBE.—AUGUST 1888.

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.

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.	55° 1'	54° 9'	52° 8'	63° 3'	1° 4'	2° 4'	in.	in.	90	85	ENE 2	N 2	9	10	ins.
2	29° 65	29° 73	55° 1'	54° 9'	52° 8'	63° 3'	1° 4'	2° 4'	394	364	90	85	ENE 1	NW 2	3	1	450
3	83	92	60° 0'	54° 0'	48° 2'	65° 7'	3° 3'	2° 4'	415	351	80	84	ENE 1	NW 2	3	1	450
4	85	94	63° 7'	54° 9'	45° 6'	67° 7'	6° 0'	1° 7'	399	382	68	89	SSW 1	WSW 4	1	1	—
5	96	62	50° 1'	56° 8'	52° 8'	60° 9'	2° 3'	0° 5'	430	446	86	96	WSW 3	SW 4	10	10	030
6	81	87	58° 9'	53° 2'	53° 2'	64° 4'	5° 5'	3° 1'	342	323	69	79	NNW 5	NNW 3	3	1	—
7	89	87	50° 1'	60° 2'	49° 5'	65° 2'	3° 1'	1° 2'	406	480	81	93	WSW 3	Calm 0	10	10	—
8	88	87	60° 9'	58° 8'	55° 2'	75° 0'	1° 5'	0° 5'	483	480	91	97	ENE 1	SW 2	10	9	—
9	85	83	66° 8'	54° 2'	54° 2'	70° 7'	3° 7'	0° 1'	520	418	80	99	SSW 2	E 1	1	10	010
10	74	71	65° 9'	64° 7'	53° 4'	71° 8'	3° 0'	3° 3'	528	494	84	81	SSE 3	SSE 2	5	5	—
11	70	78	65° 0'	60° 0'	59° 7'	68° 1'	3° 4'	1° 2'	496	477	81	93	SW 3	SW 2	5	10	—
12	79	75	50° 9'	58° 7'	58° 2'	64° 3'	1° 0	1° 0'	482	462	94	94	SW 3	SW 2	10	4	040
13	64	54	60° 5'	58° 6'	58° 0'	63° 4'	0° 4'	1° 9'	512	433	98	88	SSW 3	SW 5	10	10	030
14	63	81	63° 4'	52° 3'	52° 3'	66° 3'	5° 4'	2° 1'	409	336	70	85	WNW 4	WSW 2	7	4	—
15	91	85	64° 0'	53° 7'	47° 7'	64° 6'	3° 4'	2° 2'	418	352	76	85	NE 1	NNE 1	1	4	030
16	74	75	55° 9'	54° 0'	53° 1'	58° 7'	3° 1'	2° 3'	360	353	81	84	ENE 4	N 1	10	1	—
17	82	79	55° 9'	53° 7'	49° 3'	60° 0'	4° 7'	2° 0'	321	357	72	86	ENE 4	E 5	1	6	—
18	83	88	50° 1'	55° 0'	49° 8'	56° 7'	2° 2'	4° 4'	306	316	84	73	ENE 3	NNE 2	10	10	—
19	98	96	55° 8'	51° 0'	47° 6'	61° 1'	5° 9'	2° 4'	292	312	65	84	NE 1	W 2	1	6	—
20	87	74	58° 8'	55° 8'	43° 7'	62° 1'	3° 7'	2° 2'	385	381	78	86	SSE 3	S 2	7	10	150
21	59	39	54° 9'	57° 0'	54° 0'	58° 0'	2° 6'	0° 0'	358	465	84	100	S 3	WSW 2	10	10	590
22	38	40	57° 2'	55° 1'	52° 3'	62° 8'	0° 2'	0° 3'	462	425	99	98	SW 1	W 2	10	3	240
23	55	68	63° 5'	57° 8'	52° 5'	68° 4'	2° 3'	1° 1'	418	444	72	92	WNW 3	WSW 3	3	9	060
24	55	41	60° 2'	59° 7'	57° 0'	64° 8'	0° 8'	2° 6'	494	430	95	85	SW 4	SSW 6	10	8	160
25	27	27	58° 8'	56° 9'	55° 3'	59° 8'	0° 5'	0° 2'	480	457	97	99	SSW 2	SSW 2	10	10	120
26	35	55	62° 3'	55° 8'	54° 4'	66° 6'	1° 9'	0° 5'	496	430	88	96	S 3	WSW 2	8	1	010
27	63	71	57° 1'	55° 6'	52° 5'	69° 1'	0° 2'	1° 6'	461	396	98	89	SSW 3	WSW 2	10	1	010
28	68	65	60° 1'	57° 9'	54° 1'	64° 8'	2° 2'	1° 1'	449	446	86	93	WSW 4	WSW 3	10	9	130
29	48	45	50° 9'	52° 8'	50° 2'	61° 6'	0° 8'	2° 1'	480	343	96	85	SW 5	WNW 6	10	1	340
30	64	67	50° 9'	51° 9'	49° 8'	61° 4'	3° 0'	1° 1'	382	357	77	93	WSW 4	WSW 3	8	1	260
31	69	29° 82	58° 3'	51° 1'	49° 5'	62° 6'	4° 0'	1° 1'	367	326	76	92	WSW 4	W 1	6	3	310
31	29° 98	30° 05	61° 2'	59° 9'	46° 4'	64° 9'	5° 1'	1° 9'	384	323	72	87	NNW 2	NW 2	7	0	—
Mean	29° 708	29° 718	59° 7'	55° 7'	52° 0'	64° 3'	2° 9'	1° 6'	424	399	82° 8'	89° 4'	2° 8'	2° 5'	7° 0'	5° 7'	2° 970

LONDONDERRY.—AUGUST 1888.

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.

1	20°04	30°02	54°6	51°7	41°0	64°2	3°7	2°3	3°25	3°24	77	84	NE	2	NE	1	6	1	°010	Fine all day.
2	30°05	°06	50°5	53°6	43°3	66°1	3°6	0°8	3°56	3°88	77	95	SW	1	S	1	10	10	°050	● showers during day.
3	29°03	30°00	57°2	52°0	47°7	59°0	3°5	1°6	3°67	3°45	78	89	SW	2	N	1	10	10	°490	Fine a. ● in evening,
4	'84	29°79	53°4	49°5	48°0	57°0	0°5	1°7	3°94	3°10	96	88	NE	1	N	1	10	5	°300	till 4p.
5	'96	30°10	55°7	52°7	48°0	62°6	4°6	2°5	3°31	3°31	72	83	NW	3	NW	2	9	10	°220	Overcast a.
6	'93	29°94	54°7	59°7	49°0	62°2	0°8	0°8	4°04	4°86	94	95	SW	1	SW	1	10	10	°100	Constant ● during day.
7	'79	'84	60°5	55°7	53°0	63°5	1°4	1°8	4°80	3°92	92	88	SW	3	W	1	10	10	°040	● showers during day.
8	'84	'94	59°7	57°7	54°2	66°2	3°0	2°4	4°19	4°05	82	85	W	2	SW	1	8	10	—	
9	'96	'99	61°7	55°2	53°0	65°0	3°5	0°7	4°37	4°15	79	96	S	1	S	1	10	10	°030	● showers in evening.
10	'97	'98	57°7	52°7	52°0	62°4	2°1	0°8	4°14	3°75	87	94	NE	1	NE	1	10	4	—	Fine all day.
11	'88	'96	60°1	60°9	52°1	64°2	1°5	2°0	4°71	4°68	91	88	NE	1	SE	1	10	10	°050	
12	'62	'33	62°0	56°7	55°0	65°6	5°1	0°8	3°96	4°35	72	94	SSW	2	S	1	5	10	1°440	Fine a. ● from 4p.
13	29°04	29°05	54°2	51°6	50°9	57°9	3°3	4°2	3°30	3°78	78	73	NE	3	W	1	10	5	°150	● showers during day.
14	30°05	30°11	54°7	52°3	44°4	64°2	1°3	1°4	3°90	3°54	91	90	SW	1	Calm	0	7	4	—	Fine evening.
15	'09	'11	62°5	51°9	43°9	70°4	5°7	1°0	3°88	3°59	68	93	SE	1	S	1	10	4	—	Fine all day.
16	'13	'15	61°7	52°2	43°0	71°5	1°1	1°0	3°55	5°03	92	93	SW	1	S	1	0	0	—	Fine all day.
17	'18	'16	56°7	51°2	45°0	69°3	3°7	1°3	3°55	3°43	77	91	SW	2	S	1	3	0	—	Fine all day.
18	30°17	30°09	60°1	56°7	45°6	70°2	4°6	2°8	3°81	3°78	74	82	S	1	S	2	2	10	—	Fine all day.
19	29°94	29°71	57°7	54°4	51°8	60°6	3°9	1°2	3°65	3°89	76	92	SSW	2	S	2	10	10	°190	● from 2p.
20	'66	'58	60°8	57°9	53°5	70°2	1°7	1°5	4°76	4°34	90	90	S	1	SE	1	10	10	°010	● a. Fine evening.
21	'49	'54	59°8	55°1	54°0	66°9	1°6	1°2	4°62	3°99	90	91	SW	1	Calm	0	10	5	°040	● showers during day.
22	'63	'66	60°3	56°7	51°5	68°9	3°4	2°1	4°16	3°98	80	87	W	3	W	1	6	1	—	
23	'41	'10	63°4	61°7	54°0	70°2	2°9	4°2	4°86	4°17	83	76	SW	2	S	5	10	6	°070	Fine a. ● noon—6p.
24	'28	'31	61°2	57°7	52°5	70°0	4°8	2°7	3°92	3°97	73	83	S	2	SW	2	5	7	°110	Fine all morning. ● showers from 12.30p.
25	'49	'57	58°8	56°8	52°1	69°2	3°5	1°9	3°91	4°05	79	87	SW	2	S	1	3	10	°050	Fine all day.
26	'56	'58	60°0	55°7	54°4	63°6	1°1	1°7	4°82	3°95	93	89	W	2	WSW	4	10	3	°440	● showers all day.
27	'54	'54	55°6	53°8	50°8	61°4	1°7	1°1	3°93	3°83	88	92	SW	2	W	3	2	10	°140	● 2 a. ● showers during day.
28	'52	'54	55°8	52°4	50°0	63°1	2°8	1°0	3°67	3°66	82	93	SW	1	SW	1	10	1	°300	● showers all day.
29	'57	29°64	51°2	48°4	47°5	58°7	1°3	1°0	3°43	3°15	91	93	SW	2	SW	1	5	0	°300	▲ 2 ● showers.
30	29°80	30°03	52°7	48°9	46°7	58°4	2°8	1°0	3°49	3°21	87	93	NW	4	NW	1	10	0	—	Fine all day.
31	30°17	30°19	55°7	53°0	45°1	63°4	2°8	2°0	3°66	3°47	82	86	NW	1	NW	1	8	10	°070	Fine all day.
Mean	29°87	29°815	55°7	54°4	49°5	64°6	2°8	1°7	3°96	3°84	82°9	88°8		1°7		1°4	7°5	6°2	4°600	

ARMAGH.—AUGUST 1888.

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.

Long. 6 55 W. Lat. 54° 21' N.																			
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.	50.6	49.1	37.7	63.5	5.7	1.2	in.	in.	0.68	0.91	Calm	0	Calm	0	ins.	Overcast all day.	
2	'93	'95	58.9	52.2	40.8	64.1	6.0	2.0	'331	'337	66	86	Calm	0	Calm	0	—		
3	'86	'88	57.9	50.7	48.2	62.0	4.3	0.6	'359	'354	75	96	SbyW 1	Calm	0	10	10		
4	'73	'64	56.9	50.9	48.7	59.0	0.5	0.7	'447	'355	97	95	SW 1	Calm	0	10	10		
5	'83	'97	57.5	50.9	44.0	63.3	5.6	2.2	'321	'318	68	86	N 0.5	Calm	0	7	10		
6	'82	'84	54.5	61.4	48.7	63.2	0.8	1.5	'402	'494	95	91	SSW 0.5	SW 0.5	SW 0.5	10	10	Overcast all day.	
7	'73	'75	60.9	56.1	55.2	64.8	2.7	1.2	'446	'415	84	91	SSW 3	Calm	0	10	6		
8	'77	'83	61.5	50.9	53.0	66.2	4.1	1.8	'416	'409	76	89	SW 1	SW 0.5	SW 0.5	9	10		
9	'84	'85	61.9	56.4	52.2	65.9	3.3	0.7	'447	'434	81	96	Calm	0	Calm	0	10		
10	'80	'82	57.9	57.5	53.0	64.2	2.0	1.4	'420	'430	87	91	NE 0.5	NE 0.5	NE 0.5	10	10		
11	'76	'66	61.5	59.9	50.7	64.0	2.3	1.8	'470	'457	86	90	SE 1	SSE 0.5	SSE 0.5	10	10	Overcast all day.	
12	'52	'18	60.1	57.4	55.0	65.8	5.7	0.3	'353	'462	68	98	SSW 2	S 1	S 1	5	10		
13	'54	'84	56.7	48.7	48.2	65.5	4.1	2.3	'346	'289	75	84	NW 1	WSW 0.5	WSW 0.5	7	10		
14	'94	'97	59.6	53.9	43.3	63.3	4.7	2.0	'371	'359	73	87	SW 0.5	Calm	0	5	10		
15	29.96	29.96	61.1	51.2	42.8	64.5	5.4	0.7	'375	'358	70	96	Calm	0	Calm	0	2		
16	30.01	30.01	54.2	48.6	42.7	62.8	1.3	0.5	'383	'329	91	97	Calm	0	Calm	0	10	Overcast all day.	
17	'06	30.04	55.5	48.9	37.4	61.8	4.3	2.4	'326	'289	73	84	ESE 0.5	S 0.5	S 0.5	10	0		
18	30.06	29.99	58.9	54.6	44.7	64.2	6.8	2.7	'311	'352	62	82	S 0.5	SSE 1	SSE 1	2	10		
19	29.83	'61	59.1	54.1	50.6	59.8	4.3	1.0	'374	'399	74	93	SSE 1	SSE 3	SSE 3	10	10		
20	'54	'44	61.9	55.9	53.3	63.8	4.0	0.7	'426	'426	77	95	Calm	0	Calm	0	10		
21	'36	'41	61.2	54.1	53.7	63.0	3.0	0.0	'443	'390	82	93	Calm	0	Calm	0	10	Overcast all day.	
22	'53	'56	63.2	56.5	51.3	67.2	5.1	3.6	'415	'356	72	77	WSW 0.5	Calm	0	10	5		
23	'33	'05	62.6	62.0	52.5	63.8	2.4	3.0	'486	'326	85	82	S 3	S 4	S 4	10	10		
24	'18	'22	62.2	56.5	53.2	65.5	5.3	2.3	'394	'390	71	85	S 2	SbyE 1	SbyE 1	5	0		
25	'39	'47	62.9	56.9	49.8	66.2	5.8	2.1	'391	'400	68	87	S 0.5	swbys 1	swbys 1	7	5		
26	'48	'53	60.4	55.3	52.8	65.7	2.8	2.1	'436	'378	84	86	SW 0.5	swbys 1	swbys 1	4	8	Squally gp.	
27	'46	'47	60.1	52.9	49.8	61.0	5.2	2.1	'366	'344	71	87	SW 2	SW 1	SW 1	10	5		
28	'42	'44	55.7	51.4	49.0	60.8	3.0	1.2	'361	'348	81	91	SW 1	WSW 0.5	WSW 0.5	10	8		
29	'48	'54	57.1	47.7	46.1	60.8	4.6	1.5	'338	'294	73	89	SW 1	Calm	0	5	6		
30	29.70	29.93	52.2	49.9	45.0	60.8	1.1	2.1	'361	'366	93	87	NW 1	Calm	0	10	10		
31	30.08	30.09	56.6	50.1	43.5	60.5	4.4	1.9	'337	'313	73	86	Calm	0	WhyS 0.5	WhyS 0.5	10	1	
Mean	29.701	29.704	58.9	53.8	48.3	63.5	3.9	1.6	386	373	77.4	89.3	0.8	0.5	8.1	7.1	2.350		

MARKREE CASTLE (SLIGO).—AUGUST 1888.

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.

1	29.88	29.95	57.8	47.8	38.3	61.6	5.8	1.5	320	296	67	89	SSW 0.5	Calm 0	6	2	—	Overcast all day.
2	29.90	29.99	57.2	47.9	36.1	62.8	4.1	0.8	352	312	75	95	SSW 0.5	Calm 0	10	9	0.010	
3	29.89	29.95	58.3	53.2	42.9	60.8	3.0	1.5	397	363	81	90	SSW 3	NNE 0.5	10	9	0.070	
4	29.81	29.73	57.2	51.6	50.1	60.7	0.8	1.1	443	353	95	93	Calm 0	N 0.5	10	10	0.310	
5	29.94	30.05	57.6	52.7	40.1	60.1	6.3	1.6	306	354	65	89	N 2	Calm 0	7	10	0.340	
6	29.89	29.90	61.6	58.3	51.0	65.0	0.9	1.1	517	452	94	92	WSW 1	SSE 1	10	10	0.010	
7	29.76	29.80	61.0	55.1	54.8	64.5	1.7	1.2	480	399	90	91	SSW 3	SW 1	10	9	0.150	
8	29.82	29.87	60.2	57.0	53.6	65.4	2.1	1.8	453	411	88	88	SSW 2	SW 0.5	9	10	—	
9	29.90	29.90	59.2	55.1	52.1	63.4	2.0	1.6	439	388	88	89	SSE 0.5	N 0.5	10	10	0.040	
10	29.86	29.87	58.4	55.1	53.6	65.8	2.7	1.9	408	398	83	81	NNE 2	NNE 0.5	10	10	0.010	
11	29.78	29.65	59.3	62.1	57.1	66.4	0.6	1.0	486	493	96	88	SE 0.5	SSE 3	10	10	—	
12	29.52	29.33	60.4	57.0	50.5	68.1	4.2	0.8	396	440	75	94	S 3	NNW 2	9	10	1.210	
13	29.68	29.92	56.2	50.0	49.0	58.0	5.1	1.5	316	322	70	90	NNW 5	W 0.5	8	10	0.010	
14	30.00	30.03	58.0	48.2	40.1	63.3	3.0	0.7	393	320	81	96	WSW 0.5	Calm 0	9	3	∞ ∞ ² p.	
15	29.90	29.90	61.2	50.2	38.8	64.9	4.5	1.0	400	337	75	93	SSE 0.5	NE 0.5	6	1	∞ ∞ ² p.	
16	29.94	29.95	60.8	51.9	37.3	67.1	6.8	1.8	336	339	63	88	Calm 0	Calm 0	1	10	—	
17	29.11	29.10	57.8	49.6	46.7	65.6	4.7	1.2	347	324	73	92	SSE 1	Calm 0	2	8	∞ ga. ∞ p.	
18	30.11	30.00	58.2	55.1	42.5	64.1	4.1	2.5	367	364	76	84	SE 0.5	SSE 1	7	10	∞ ga.	
19	29.78	29.58	56.0	56.9	51.2	58.3	2.1	1.0	388	433	86	94	SE 3	SSE 4	10	10	0.280	
20	29.58	29.48	60.6	57.0	55.6	67.1	2.5	0.8	448	440	85	94	SSE 1	Calm 0	10	10	0.070	
21	29.43	29.49	59.7	56.3	51.1	65.9	1.7	1.1	457	421	90	92	Calm 0	Calm 0	9	10	0.100	
22	29.60	29.57	61.9	54.2	51.3	64.7	3.8	1.9	431	366	78	87	SSW 1	SE 0.5	9	10	0.140	
23	29.31	29.03	62.1	57.9	53.6	63.2	1.9	2.5	493	406	88	84	SSE 3	SSE 6	10	10	0.360	
24	29.16	29.22	60.0	55.2	51.0	64.6	1.9	2.0	398	379	77	87	SSE 4	SSE 0.5	8	8	0.040	
25	29.43	29.52	57.0	55.0	50.9	65.2	2.6	1.7	403	383	84	89	SSW 0.5	SE 0.5	9	9	0.080	
26	29.54	29.57	57.2	55.5	54.0	64.5	2.1	2.5	406	370	87	84	SSW 1	SSW 1	10	10	0.540	
27	29.51	29.54	57.2	53.2	50.0	62.9	1.5	1.5	423	363	90	90	SSW 2	SSW 2	10	7	0.080	
28	29.48	29.54	56.0	52.2	47.6	60.7	2.8	1.7	370	345	82	89	SW 1	SW 2	10	9	0.090	
29	29.54	29.59	57.0	46.5	40.1	61.0	3.3	0.8	369	298	79	94	SSW 3	SW 0.5	6	5	0.180	
30	29.80	30.01	53.2	50.4	44.9	57.8	4.6	1.1	288	338	71	92	NNW 4	N 0.5	8	10	0.170	
31	30.14	30.16	55.3	52.4	43.0	60.0	4.9	1.4	309	355	70	90	WSW 1	Calm 0	6	10	0.010	
Mean	29.751	29.754	58.5	53.7	48.1	63.1	3.2	1.5	398	373	80.7	89.9	1.6	0.9	8.4	8.7	4.300	

DUBLIN (PHENIX PARK).—AUGUST 1888.

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.

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.	55.2	46.4	39.0	62.1	0.8	0.8	in.	in.	71	94	ENE 1	ESE 1	7	2	ins.	☁ ⁰ a. and p. Fine day.
2	29.85	29.93	58.8	51.0	39.4	65.2	4.1	1.4	375	338	76	90	SW 2	SE 1	2	2	—	Beautiful day.
3	98	29.93	58.5	57.9	46.5	63.7	4.8	1.3	354	441	72	92	SW 3	WSW 2	7	7	0.05	Cloudy day. ☁ ⁰ showers p.
4	85	29.66	58.7	58.6	51.5	62.2	2.5	0.6	417	473	84	96	SW 3	WSW 1	10	10	0.40	Dull day. ☁ ⁰ p.
5	86	30.03	55.8	54.4	44.1	63.9	5.6	2.6	301	351	67	83	NW 4	NW 1	2	2	0.40	Beautiful day.
6	91	29.93	54.1	61.2	50.7	66.8	0.4	1.4	408	493	97	92	SW 1	W 3	10	6	0.05	☁ ⁰ a. Dull day.
7	87	83	60.6	60.5	57.8	70.5	2.4	1.9	451	465	85	89	SW 3	WSW 2	10	9	0.70	Cloudy day. ☁ ⁰ showers p.
8	87	89	60.6	56.7	53.7	68.9	3.5	1.4	418	418	80	91	SW 3	WSW 1	9	1	—	Cloudy a. Bright p.
9	88	85	64.0	56.6	54.9	67.1	3.8	0.9	467	432	78	94	NE 1	ENE 1	8	8	0.05	Cloudy day. ☁ ⁰ shower p.
10	80	85	60.9	57.0	54.0	62.0	3.3	0.3	429	456	81	98	NE 3	NE 1	7	10	—	Cloudy a. Dull, with ☁ ⁰ p.
11	82	73	60.9	62.2	56.2	67.3	2.3	2.6	459	472	87	85	NSE 1	SSE 2	10	10	—	Dull a. Cloudy p.
12	62	29	61.8	59.9	53.6	66.5	5.9	1.4	372	471	68	92	SSW 3	WSW 4	4	10	0.120	Bright a. Cloudy, with squally ☁ ⁰ p.
13	29.61	29.92	55.0	50.2	50.1	61.6	2.4	2.3	365	305	85	84	W 4	W 1	9	2	0.05	Cloudy, with ☁ ⁰ showers a. Bright p.
14	30.02	30.02	57.7	53.4	43.7	63.2	4.3	0.8	355	385	74	94	WSW 3	Calm	0	8	7	—
15	00	29.99	60.8	46.6	45.0	62.2	3.9	0.8	410	399	78	95	E 4	Calm	0	7	2	—
16	03	30.05	59.2	49.8	41.2	61.0	3.4	1.7	400	315	80	88	E 2	ENE 1	2	1	—	☁ ⁰ 1a.—7a. Beautiful day. D ²
17	09	09	53.7	41.8	37.5	57.2	3.8	0.6	312	251	75	96	NE 2	Calm	0	9	2	—
18	30.12	30.06	58.6	50.8	34.9	62.8	5.0	1.9	350	324	71	87	ENE 1	S 1	2	4	—	Beautiful day.
19	29.88	29.71	60.3	55.0	43.1	61.1	5.3	2.3	366	367	70	85	SSE 3	SE * 4	7	9	0.290	Cloudy a. Dull, with ☁ ⁰ p.
20	00	51	62.4	57.5	54.7	67.2	3.0	1.3	463	433	82	91	SSW 2	ESE 1	9	8	0.020	☁ ⁰ shower 10.30a. Cloudy day.
21	42	46	59.6	54.4	51.8	65.0	1.6	1.0	459	395	90	94	SW 1	WNW 2	10	2	0.210	Cloudy, with ☁ ⁰ showers. Distant T
22	61	64	59.8	58.5	51.8	67.0	3.6	2.1	403	426	78	86	W 3	SSW 2	4	5	0.025	☁ ⁰ shower a. Cloudy day. [3p. ☁ ⁰ p.
23	45	21	61.0	62.6	57.5	63.3	2.6	4.7	467	417	85	74	S 3	SSW 5	10	7	0.005	Dull day. Squally ☁ ⁰ showers p.
24	24	27	61.6	57.5	55.4	67.3	4.9	3.6	395	369	73	78	SE 2	S 2	7	1	—	—
25	42	57	61.8	56.8	50.5	66.2	3.4	2.1	441	400	80	86	ESE 2	WSW 2	6	1	0.035	Cloudy, with ☁ ⁰ showers. D ²
26	58	66	60.6	55.5	49.4	67.6	3.6	1.8	415	399	79	88	WSW 3	SW 3	8	1	0.80	Cloudy day. ☁ ⁰ shower p.
27	58	59	60.7	53.8	51.7	65.7	3.9	2.2	400	353	78	85	SW 3	WSW 3	6	0	0.005	Cloudy day. ☁ ⁰ shower p.
28	51	52	54.9	50.5	49.9	56.8	2.8	1.3	353	333	82	90	SW 2	WSW 3	10	1	0.80	Dull, with ☁ ⁰ showers.
29	60	64	57.1	47.1	46.9	60.2	5.2	1.9	324	279	70	86	WSW 3	WSW 2	4	0	0.80	Cloudy, with ☁ ⁰ showers. ☁ ² p.
30	29.73	29.98	55.4	50.0	46.2	60.4	2.7	2.8	363	291	83	81	WNW 3	WNW 2	9	2	0.005	Cloudy with ☁ ⁰ showers a. Bright p.
31	30.14	30.17	57.4	50.5	45.5	61.0	5.1	1.4	330	331	70	90	WNW 2	W 1	3	2	—	Bright a. Cloudy p.
Mean	29.772	29.773	59.0	54.3	48.7	64.0	3.7	1.7	392	380	78.4	88.8	2.5	1.8	7.0	4.3	1.525	

SWANBISTER.—SEPTEMBER 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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.	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
2	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
3	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
4	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
5	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
6	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
7	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
8	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
9	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
10	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
11	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
12	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
13	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
14	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
15	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
16	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
17	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
18	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
19	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
20	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
21	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
22	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
23	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
24	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
25	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
26	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
27	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
28	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
29	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
30	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	
Mean	29.72	29.62	54.0	53.9	49.0	57.9	0.8	0.9	39.4	94	SSW 3	WSW 3	10	10	ins.	

DUNROBIN CASTLE.—SEPTEMBER 1888.

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.

1	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
2	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Cloudy a. Dull p.
3	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	● showers a. Dull p.
4	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. Cloudy p.
5	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull p.
6	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine, clear, and cool.
7	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. Cloudy p.
8	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
9	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
10	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
11	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine and clear.
12	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. ● showers p.
13	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine p.
14	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine and clear.
15	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	☼ (mist) a. Fine p.
16	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. ● p.
17	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine day.
18	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine day.
19	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
20	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	☼ (mist) a. Fine and clear p.
21	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine day.
22	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine day.
23	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine day.
24	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull day.
25	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. Fine p.
26	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Fine and clear.
27	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. ☼ (mist). Fine p.
28	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Dull a. Fine p.
29	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Cold p.
30	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	● showers p.
Mean	29.87	29.79	55.7	56.5	49.1	62.6	1.4	3.2	403	366	91	80	SW	W	—	—	—	Cold a. Windy p.

BRAEMAR.—SEPTEMBER 1888.

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.

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.	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
2	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
3	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
4	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
5	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
6	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
7	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
8	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
9	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
10	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
11	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
12	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	
13	28.75	28.60	53.7	53.5	44.2	58.3	1.6	2.9	35.4	89	W 2	SW 2	10	7	—	

DUNDEE.—SEPTEMBER 1888.

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.

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.	51.8	55.9	46.0	56.6	0.8	1.3	in.	in.	%	%	SW	4	SW	2	10	10	ins.	6 a.—0.30 a. ● showers till 6 p.
2	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.304	.409	94	92	W	2	W	1	5	10	—	Dull from 2 p.
3	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.379	.376	72	91	S	1	W	1	10	10	—	Dull day.
4	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.405	.338	90	83	NW	2	NW	1	5	5	—	
5	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.314	.290	66	79	SW	1	SW	1	10	5	—	
6	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.399	.350	94	85	SW	1	SW	1	10	5	—	
7	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.349	.319	77	87	SW	4	W	2	5	5	0.30	● showers 11 a. and 5 p.
8	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.391	.293	93	86	NW	4	N	1	5	10	—	
9	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.277	.282	71	93	NE	2	SE	1	5	5	—	
10	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.279	.251	77	96	E	1	NE	1	10	10	—	Dull day.
11	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.302	.312	81	91	W	1	NW	1	10	10	0.10	Dull till 9.30 a. and from 5 p.
12	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.333	.312	83	75	NW	1	W	2	10	10	0.050	● showers.
13	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.354	.325	71	78	W	2	W	1	5	10	—	Dull day.
14	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.376	.305	88	94	W	1	NE	1	5	7	—	Fine day.
15	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.361	.335	97	95	E	1	NE	1	10	7	—	~~~~ till 10 a., then fine.
16	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.319	.390	96	98	SE	1	W	1	10	10	160	~~~~ till 11 a. and from 4 p. ● 11 a.—4 p.
17	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.303	.345	73	94	W	1	W	1	10	7	—	Dull till 1 p., then fine.
18	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.308	.379	81	W	1	W	1	5	0	—	—	Fine day.
19	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.357	.326	88	90	SW	1	NW	1	7	0	—	Fine day.
20	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.361	.342	93	92	SE	1	E	1	10	10	0.10	Dull day. ~~~~
21	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.341	.328	94	96	S	1	NE	1	10	0	—	~~~~ till noon, then fine.
22	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.332	.334	97	95	W	1	NE	1	10	0	0.10	~~~~ till 10 a., then fine.
23	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.337	.361	96	90	W	1	W	1	5	5	—	~~~~ n. and till 9 a. Fine day.
24	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.461	.89	95	S	1	SW	1	5	5	0.10	Fine day.	
25	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.260	.97	86	SE	1	NE	4	10	10	0.050	~~~~ till 10 a. ● noon.	
26	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.236	.80	80	NE	2	NE	1	10	10	—	Dull day.	
27	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.310	.82	93	NW	1	NE	1	10	10	—	Dull day.	
28	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.300	.301	93	92	NW	1	NE	1	10	10	—	Dull day.
29	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.343	.363	91	99	SE	1	SE	1	10	10	0.40	● 0 from 11 a.
30	29.86	29.86	51.8	55.9	46.0	56.6	0.8	1.3	.299	.95	83	E	1	N	1	10	7	—	Dull day.	
Mean	29.855	29.840	51.9	49.4	44.5	60.1	2.2	1.6	.332	.318	85.6	89.1	1.6	1.2	8.1	7.1	0.420			

GLASGOW.—SEPTEMBER 1888.

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.

1	29.87	29.66	53.0	56.2	47.8	56.8	1.0	0.4	0.374	0.439	93	97	SSW	2	SW	1	10	10	4.48	Gloomy and overcast, with 2.
2	29.64	29.72	57.7	51.9	51.9	60.1	4.1	1.3	0.360	0.352	75	91	WSW	1	SSW	1	7	6	0.012	0 a. Dull and cloudy.
3	29.60	29.60	55.5	52.9	48.7	58.5	2.7	1.8	0.365	0.352	83	88	SSW	1	SW	1	10	10	0.040	Dull and threatening.
4	29.55	29.61	54.9	49.9	49.0	58.8	4.9	1.8	0.303	0.313	70	87	WSW	2	SSW	1	8	7	0.030	0 a.
5	29.61	29.68	56.8	51.9	49.2	60.9	3.2	1.9	0.309	0.336	80	87	W	2	SW	1	5	1	—	—
6	29.52	29.55	52.1	50.9	49.3	56.1	2.5	2.5	0.324	0.308	83	83	SW	4	W	2	10	6	0.110	Cloudy, with 2 showers.
7	29.84	29.10	54.2	52.3	48.0	59.2	6.2	4.2	0.266	0.286	63	73	NNW	1	N	1	5	4	0.012	—
8	29.27	29.20	49.0	46.9	45.4	59.5	1.4	2.6	0.312	0.261	90	82	SW	1	ENE	1	10	4	—	Dull and cloudy.
9	29.29	29.15	48.7	45.0	41.2	52.9	2.5	1.7	0.283	0.260	83	87	N	1	E	1	10	2	—	Gloomy and overcast.
10	29.02	29.07	46.8	47.4	43.7	60.5	2.1	1.4	0.271	0.294	85	90	E	1	WNW	1	10	0	0.118	Fine day.
11	29.09	29.05	52.0	51.1	43.0	57.6	0.4	1.0	0.377	0.349	97	93	W	1	W	1	10	4	0.070	Dull and overcast, with 0.
12	29.17	29.25	55.6	52.0	42.1	59.5	2.3	2.0	0.375	0.335	86	86	WSW	1	WSW	1	10	5	—	Dull and cloudy.
13	29.28	29.19	49.9	52.3	46.8	63.5	2.1	2.1	0.306	0.336	86	86	SSW	1	ENE	1	10	6	—	—
14	29.09	29.06	54.2	53.8	47.8	64.8	4.3	3.3	0.307	0.353	73	80	SE	1	E	1	10	0	0.040	—
15	29.85	29.84	54.6	53.6	48.9	58.6	1.7	1.2	0.378	0.377	89	92	S	1	W	1	10	8	0.150	Dull and overcast. 0
16	29.01	29.07	52.9	49.4	45.2	59.9	4.3	1.2	0.292	0.322	73	92	NW	1	W	1	6	1	—	—
17	29.06	29.08	51.9	50.7	45.9	58.9	1.5	2.0	0.346	0.318	90	87	W	1	W	1	5	0	—	Fine day.
18	29.11	29.12	55.8	51.8	46.3	63.2	3.0	0.6	0.361	0.369	82	96	W	1	W	1	5	0	—	—
19	29.15	29.15	48.6	49.3	45.3	63.2	0.7	1.0	0.324	0.325	95	93	ENE	1	E	1	10	7	—	—
20	29.16	29.11	51.7	51.4	48.1	59.6	2.2	1.0	0.327	0.353	85	93	E	1	ESE	1	10	5	—	9p.
21	29.10	29.05	46.9	48.9	45.1	61.5	0.3	0.3	0.315	0.339	98	98	W	1	W	1	5	0	—	a. and p.
22	29.05	29.04	46.7	49.7	45.9	59.4	0.1	0.3	0.317	0.349	99	98	WSW	1	SW	1	10	5	—	Dull and cloudy. 9p.
23	29.01	29.02	45.9	47.7	43.8	60.2	0.4	0.2	0.301	0.327	98	99	W	1	W	1	5	6	—	a.
24	29.85	29.94	50.2	48.1	47.0	58.1	0.8	1.6	0.342	0.297	94	89	ENE	1	ENE	2	10	10	—	Dull and cloudy.
25	29.08	29.14	46.8	46.6	44.1	50.0	5.0	4.9	0.214	0.214	68	68	E	2	E	2	8	10	—	Dull and cloudy.
26	29.16	29.11	48.2	47.7	45.8	52.6	4.2	0.8	0.241	0.311	72	94	E	1	E	1	10	10	—	Dull and cloudy.
27	29.04	29.04	48.6	49.1	46.6	55.5	1.1	0.8	0.315	0.328	92	94	NE	1	E	2	10	6	0.020	Overcast.
28	29.81	29.63	49.1	50.7	47.2	51.5	1.3	0.4	0.316	0.306	91	97	E	1	ENE	1	10	10	0.105	Gloomy and overcast, with 0.
29	29.48	29.52	53.1	42.6	42.6	57.0	0.8	3.0	0.381	0.212	94	78	W	1	NNW	1	6	1	—	Fine day.
30	29.62	29.59	44.5	38.4	38.3	47.5	6.2	2.8	0.174	0.180	50	77	ENE	1	WNW	1	7	2	0.010	Fine day.
Mean	29.945	29.934	51.2	49.7	46.0	58.2	2.4	1.7	0.318	0.319	84.2	88.5	1.2	1.1	8.4	5.0	1.165			

WOLFELEE.—SEPTEMBER 1888.

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.

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°	56°	41°	61°	1°	1°	ins.	ins.	°/o	°/o	W	W	—	—	ins.	● during day.
2	29.48	29.27	50°	56°	41°	61°	1°	1°	°/o	°/o	93	90	W	NW	—	—	°110	Fine day. Blowy p.
3	29.21	29.20	58°	52°	44°	67°	5°	1°	°/o	°/o	69	93	W	SW	—	—	°020	● a. Fine p.
4	29.25	29.19	55°	53°	45°	65°	2°	1°	°/o	°/o	84	90	SW	SW	—	—	—	Dull and blowy a. Fine p.
5	29.11	29.18	56°	58°	48°	65°	2°	1°	°/o	°/o	87	90	W	W	—	—	—	Clear and blowy a.
6	29.20	29.27	59°	58°	43°	64°	2°	2°	°/o	°/o	88	84	W	W	—	—	—	Blowy, with ● showers.
7	29.16	29.14	52°	49°	42°	66°	3°	1°	°/o	°/o	77	90	W	W	—	—	°200	Blowy, with ● showers.
8	29.34	29.62	52°	48°	45°	58°	3°	1°	°/o	°/o	80	90	N	N	—	—	°050	Dull a. Fine and clear p.
9	29.80	29.81	47°	41°	38°	57°	2°	1°	°/o	°/o	83	88	N	N	—	—	—	Fine day. Calm p.
10	29.81	29.65	47°	46°	32°	56°	2°	1°	°/o	°/o	83	90	NE	NE	—	—	—	Dull day.
11	29.55	29.50	48°	50°	44°	50°	1°	1°	°/o	°/o	90	90	NE	N	—	—	°010	Dull day.
12	29.51	29.60	51°	51°	38°	52°	2°	2°	°/o	°/o	84	86	W	W	—	—	°080	Fine and clear.
13	29.72	29.80	56°	49°	44°	57°	4°	1°	°/o	°/o	75	90	NW	W	—	—	—	Fine and bright.
14	29.82	29.77	52°	47°	37°	61°	2°	1°	°/o	°/o	83	93	SW	S	—	—	—	Very fine.
15	29.67	29.56	53°	50°	35°	68°	3°	2°	°/o	°/o	77	87	S	SW	—	—	—	● showers p.
16	29.44	29.40	52°	52°	36°	67°	2°	1°	°/o	°/o	83	93	S	S	—	—	°060	Fine p.
17	29.54	29.60	51°	45°	43°	59°	3°	1°	°/o	°/o	80	92	E	SE	—	—	—	Fine and clear.
18	29.66	29.62	55°	47°	44°	64°	3°	1°	°/o	°/o	78	93	W	NW	—	—	—	Fine, bright, and clear.
19	29.65	29.68	50°	45°	33°	67°	1°	1°	°/o	°/o	80	89	SE	N	—	—	—	Very fine and clear.
20	29.69	29.71	47°	45°	36°	68°	0°	0°	°/o	°/o	96	96	NE	N	—	—	—	Fine and clear.
21	29.71	29.66	50°	48°	38°	65°	2°	1°	°/o	°/o	86	90	NW	W	—	—	—	Fine and bright. Blowy p.
22	29.63	29.60	48°	45°	33°	64°	1°	0°	°/o	°/o	93	96	SE	SE	—	—	—	Very fine.
23	29.59	29.57	50°	44°	35°	72°	1°	0°	°/o	°/o	93	96	SE	SE	—	—	—	Very fine and clear.
24	29.53	29.45	48°	41°	34°	71°	1°	0°	°/o	°/o	93	96	E	E	—	—	—	Fine and clear.
25	29.41	29.45	45°	47°	33°	72°	0°	0°	°/o	°/o	95	93	NW	E	—	—	°150	Dull, with (mist) a. ● showers
26	29.59	29.65	45°	43°	40°	51°	3°	1°	°/o	°/o	75	92	E	NE	—	—	—	Fine, but cold a. Dull p.
27	29.67	29.65	46°	43°	40°	49°	2°	1°	°/o	°/o	86	88	NE	SW	—	—	—	Dull and cold a. Fine and clear p.
28	29.59	29.52	47°	38°	34°	55°	1°	1°	°/o	°/o	93	87	NW	SW	—	—	°010	Dull a. Fine p.
29	29.40	29.21	44°	51°	32°	60°	1°	1°	°/o	°/o	92	90	SW	SW	—	—	°130	Dull, with ● a. ● p.
30	29.04	29.02	54°	39°	41°	55°	0°	0°	°/o	°/o	94	96	W	SW	—	—	°050	Dull and damp.
30	29.11	29.13	40°	32°	30°	54°	4°	1°	°/o	°/o	69	87	NW	NW	—	—	—	
Mean	29.494	29.485	50.4	47.2	38.7	61.6	2.3	1.3	3.13	2.99	85.0	90.8	—	—	—	—	0°870	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—SEPTEMBER 1888.

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.

Long. 4 29 W. Lat. 54° 10' N.																		
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. 30.04	ins. 29.84	56.0	56.9	46.0	57.2	0.9	0.1	in. 422	in. 460	94	99	WSW 4	WSW 6	10	10	ins. 374	Overcast. Squally ☁ showers p.
2	29.76	72	58.6	55.0	55.0	62.3	2.6	0.2	413	427	84	99	NW 2	NW 2	4	9	—	Fine day. ☁ p.
3	29.78	70	59.0	54.9	51.8	62.2	2.2	0.9	430	404	87	94	WNW 2	SW 3	8	10	0.36	Cloudy day. ☁ at night.
4	29.70	70	56.9	57.0	54.2	58.3	1.4	0.2	421	459	92	99	NW 4	Calm	0	10	0.44	Dull, with ☁.
5	29.75	71	59.8	56.0	55.2	62.3	0.4	2.0	501	391	97	87	W 3	WSW 3	10	10	—	Dull day.
6	29.72	29.76	55.4	52.6	50.4	59.2	1.8	0.8	388	375	89	95	WNW 6-7	WNW 4	7	3	0.32	Squally ☁ a. Squally, with ☁ [showers p.]
7	29.92	30.14	63.0	52.9	49.5	63.8	3.7	1.9	452	348	79	87	NNW 4	NNW 3	6	2	—	Fine day. ☁ p.
8	30.30	30.33	56.0	51.3	43.8	58.8	3.0	1.3	365	344	81	91	NE 3	NNW 1	7	9	—	Cloudy day.
9	30.30	30.12	49.8	50.0	48.6	51.3	2.3	1.0	300	334	85	93	ENE 3	ENE 3	9	3	—	Dull day.
10	30.05	30.05	60.7	50.0	45.2	62.2	3.5	0.5	420	348	79	97	N 2	NW 4	3	0	—	☁ a. and p. Very fine day.
11	30.10	30.18	54.7	53.6	46.4	59.8	1.0	0.6	400	394	94	96	NW 4	NW 2	9	10	—	☁ ga. Dull day.
12	30.27	30.34	58.8	44.0	43.8	62.6	1.8	0.2	439	283	80	98	SSW 2	N 2	8	1	—	Fine day. ☁ p.
13	30.32	30.21	59.2	58.3	41.2	63.1	1.4	1.2	458	449	92	92	ESE 1	ESE 3	3	0	—	☁ (mist) a. Very fine. ☁
14	30.14	30.01	53.8	58.0	52.3	60.3	0.6	1.5	397	436	95	90	SE 4	ESE 4	10	1	0.40	Dull a. Fine afternoon. ☁ p. ☁ n.
15	29.93	30.00	56.9	53.8	53.6	60.0	0.1	0.6	460	397	99	95	SE 1	NW 3	10	10	1.38	Overcast, with ☁ ☁ a. Dull, with ☁
16	30.10	30.13	56.0	45.8	45.6	62.2	4.0	0.6	340	293	75	95	NNW 3	N 1	8	3	—	Cloudy a. Fine p. ☁ p. [☁ p.]
17	30.14	30.16	60.6	43.8	39.3	62.3	5.0	0.2	378	281	72	99	WSW 1	N 2	0	1	—	Very fine day. ☁ p.
18	30.18	30.16	58.5	43.0	38.8	62.0	4.0	0.1	373	275	76	99	W 2	N 1	1	0	—	Very fine day. ☁
19	30.19	30.17	54.4	54.7	40.0	58.9	1.2	1.0	389	400	92	94	ESE 2	ESE 3	10	3	—	Overcast, with ☁ (mist) a. ☁ ☁
20	30.18	30.15	55.7	55.3	50.1	60.0	2.5	1.2	374	402	84	92	E 4	ESE 3	4	1	—	Fine day. ☁ p.
21	30.15	30.10	56.0	47.8	47.0	62.3	1.2	0.0	413	333	92	100	E 3	NNW 2	10	0	—	Fine day. ☁ ☁ (mist) p.
22	30.10	30.08	52.5	45.2	39.4	58.5	0.0	0.0	396	301	100	100	Calm	N 2	5	0	—	☁ all day.
23	30.04	29.96	53.5	42.8	42.3	56.3	0.5	0.2	395	270	96	99	E 1	NNW 2	5	6	—	☁ all day. ☁ p.
24	29.87	29.86	53.2	54.3	42.1	57.3	1.0	2.1	377	363	93	85	NNW 1	ENE 3	10	10	—	☁ a. Dull, with ☁ (mist).
25	30.03	30.12	51.9	49.8	49.2	54.3	0.7	2.4	368	298	95	84	ESE 4-5	ESE 4-5	9	1	—	☁ a. Dull day, with fresh breeze.
26	30.15	30.13	53.0	51.2	47.6	56.2	2.6	1.0	332	350	82	93	ESE 3	ESE 2	0	3	—	Very fine day. ☁ p.
27	30.07	29.93	54.3	55.8	50.2	57.5	1.6	1.0	377	417	89	94	ESE 3	ESE 3	0	10	1.81	Fine day. ☁ at night.
28	29.81	29.70	54.4	56.8	51.2	56.8	0.0	0.0	424	462	100	100	SE 3	NW 3	10	10	1.68	☁ a. Overcast, with ☁ (mist).
29	29.58	29.54	55.4	40.2	46.2	56.8	0.1	2.4	436	259	99	84	W 2	N 4-5	10	3	0.08	Overcast, with ☁ p.
30	29.69	29.69	49.0	43.0	39.2	52.2	4.0	2.2	255	230	73	83	NNW 4	N 3	3	4	1.14	Fine a. Dull afternoon. ☁ showers [from S p.]
Mean	30.09	29.995	55.9	51.3	46.8	59.2	1.8	0.9	396	359	88.5	93.8	2.7	2.7	6.6	5.1	1.135	

STONYHURST.—SEPTEMBER 1888.

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.

1	29.86	29.67	53.9	54.1	47.8	56.9	2.4	1.0	349	390	85	93	WSW 1	swby 2	10	10
2	29.52	29.57	58.0	54.0	53.4	61.7	1.0	2.0	451	360	93	86	WSW 2	WSW 1	10	5
3	29.56	29.53	55.4	52.3	47.8	60.8	0.9	1.1	413	362	95	92	SW 1	Calm	10	10
4	29.47	29.51	56.0	56.6	49.1	59.7	3.0	2.6	365	383	81	85	SSW 2	Calm	10	10
5	29.55	29.60	57.7	55.2	53.3	59.0	0.5	0.8	461	413	96	95	swb.w 2	WSW 1	10	10
6	29.55	29.52	55.2	53.6	49.1	57.8	3.5	2.4	340	344	78	83	swb.w 3	swb.w 2	8	9
7	29.61	29.89	55.9	50.2	49.1	59.0	4.4	3.5	330	278	73	77	nwb.w 1	Calm	0	6
8	30.08	30.11	53.3	45.0	44.5	57.1	5.3	3.7	274	220	67	74	NE 1	N 1	4	0
9	30.03	29.87	49.8	48.3	41.9	57.4	4.1	1.5	262	301	73	90	NNE 1	Calm	0	9
10	29.78	29.78	52.6	52.0	44.3	57.9	3.6	2.0	303	335	76	86	NbyW 2	Calm	0	7
11	29.85	29.95	53.8	53.0	46.3	57.1	3.6	1.4	317	363	76	90	WhyS 2	WSW 1	10	10
12	30.05	30.12	55.2	53.7	50.1	61.1	2.4	2.1	368	354	85	86	SW 1	Calm	0	10
13	30.12	30.03	56.5	56.0	45.2	65.3	4.1	4.6	343	326	74	72	Calm	EbyN 1	0	0
14	29.94	29.84	55.8	55.2	46.7	64.1	3.7	3.0	345	352	77	81	EbyN 2	E 1	0	0
15	29.75	29.74	54.5	55.9	49.4	61.8	1.5	1.0	381	419	90	94	NNE 1	WSW 1	10	10
16	29.83	29.90	55.5	51.2	49.4	60.3	5.9	1.8	290	330	65	88	NNW 1	Calm	0	4
17	29.91	29.91	54.0	51.3	47.6	61.2	3.0	1.5	334	339	80	90	Calm	Calm	0	1
18	29.94	29.94	50.0	51.8	45.1	63.1	1.0	0.8	334	364	93	94	Calm	SW 1	10	0
19	29.97	29.96	52.2	53.0	49.2	58.2	1.0	2.4	363	337	93	84	ENE 1	NE 1	10	10
20	29.95	29.91	55.7	53.5	50.6	64.1	3.4	2.3	351	345	79	84	EbyN 2	EbyN 1	8	0
21	29.92	29.88	55.0	51.7	48.4	60.0	2.0	2.2	375	327	87	86	nbyN 1	Calm	0	10
22	29.89	29.86	48.9	50.2	44.3	61.9	1.0	1.5	322	335	93	90	NE 1	Calm	0	10
23	29.83	29.73	45.9	49.0	40.6	60.9	0.6	0.8	296	327	96	94	nbyN 1	NNE 1	10	0
24	29.63	29.63	47.9	50.8	46.6	59.6	0.7	1.8	315	325	95	87	Calm	NE 1	10	10
25	29.79	29.90	51.0	42.7	42.0	53.6	4.0	2.8	276	216	74	79	ENE 3	nbyN 1	8	0
26	29.93	29.94	50.0	49.0	42.6	57.2	3.4	2.7	278	283	78	81	nbyN 1	Calm	0	1
27	29.86	29.76	52.0	50.0	43.3	58.6	4.2	2.8	283	291	73	81	Calm	NNE 1	0	10
28	29.65	29.49	50.2	53.9	47.9	54.0	0.8	0.9	343	389	95	94	swb.w 1	NNE 1	10	10
29	29.35	29.41	44.0	37.8	37.7	48.7	0.6	2.5	274	180	95	79	swb.w 2	NW 1	1	0
Mean	29.785	29.772	53.0	51.3	46.7	59.1	2.6	2.1	338	329	83.6	85.9	1.2	0.7	7.2	5.2

HILLINGTON.—SEPTEMBER 1888.

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.

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. 30° 19	ins. 30° 09	57° 0	56° 8	38° 6	63° 4	1° 3	0° 3	in. 425	in. 453	% 91	% 98	S 1	S 2	4	10	ins. 0° 70	Sunny a. 0° p.
2	29° 88	29° 82	58° 5	60° 1	53° 0	64° 9	0° 6	0° 3	473	509	96	98	SW 2	SW 1	10	10	0° 40	Overcast. 0° p.
3	29° 87	29° 82	58° 5	54° 0	51° 7	61° 4	0° 6	0° 1	473	415	96	99	NW 2	SW 0° 5	6	0	—	—
4	29° 90	29° 88	58° 5	59° 5	50° 2	61° 4	0° 9	0° 3	462	498	95	99	SW 2	W 2	3	10	0° 30	Overcast. 0°
5	29° 89	29° 97	61° 5	61° 0	57° 3	67° 5	0° 1	0° 2	543	520	99	99	SW 3	SW 3	10	10	1° 40	Cloudy day. 0° in evening.
6	29° 88	29° 88	55° 5	52° 0	51° 2	63° 6	0° 2	0° 2	434	382	99	99	W 3	W 2	8	0	—	☾ p.
7	29° 95	30° 08	56° 0	52° 1	45° 2	61° 9	0° 2	0° 4	443	378	99	97	W 3	NW 3	8	5	—	Overcast from 4.30 p.
8	30° 27	30° 36	52° 8	50° 0	46° 5	56° 4	0° 6	0° 3	382	353	95	98	NW 4	N 3	10	10	0° 50	Overcast day. 0°
9	30° 21	30° 09	53° 9	54° 5	43° 2	59° 0	0° 1	1° 8	413	373	99	88	NE 4	NW 5	10	5	2° 50	☾ 0° 2.
10	30° 02	30° 03	52° 5	52° 2	50° 2	57° 4	0° 0	0° 4	396	370	100	98	W 3	W 4	10	10	2° 90	Overcast, with 0°
11	30° 13	30° 23	54° 8	52° 5	48° 9	61° 7	0° 4	0° 0	418	396	97	100	SW 4	SW 1	5	5	—	Fine and sunny. ☽ ☼ ☼ ☼ (mist) p.
12	30° 41	30° 42	57° 8	49° 5	41° 6	62° 4	2° 6	0° 2	401	349	83	99	W 2	W 1	2	0	0° 06	☼ ☼ ☼ early a. Very fine and sunny.
13	30° 42	30° 34	60° 1	49° 4	41° 2	65° 7	2° 4	5° 0	441	238	86	67	SE 1	SE 2	1	0	0° 11	Very fine and sunny. ☽ p. [☽ 2 p.
14	30° 23	30° 11	60° 2	51° 9	48° 3	65° 4	4° 2	0° 3	393	378	75	98	SE 4	SE 1	0	1	0° 07	☽ 2 a. Very fine and sunny. ☽ p.
15	30° 04	30° 01	60° 9	57° 9	50° 7	65° 5	2° 3	0° 5	459	464	87	97	SE 1	SE 0° 5	0	10	0° 54	Overcast early a., then fine. 0° p.
16	30° 07	30° 16	57° 1	53° 6	53° 3	60° 4	2° 4	0° 8	396	388	85	95	NW 1	E 3	10	10	0° 08	0° a. and p.
17	30° 16	30° 18	55° 9	53° 8	53° 3	58° 3	1° 5	1° 0	403	385	90	93	NE 3	E 0° 5	10	10	—	Overcast and damp all day. ☽ 2 p.
18	30° 21	30° 23	55° 0	54° 2	50° 4	58° 4	1° 2	1° 6	397	374	92	89	NE 1	NE 1	10	10	0° 03	Overcast and damp all day. ☽ 2 p.
19	30° 24	30° 21	58° 0	51° 1	49° 5	65° 0	2° 2	0° 5	415	362	86	96	NE 3	ESE 2	7	0	0° 09	Overcast. Very fine later. ☽ 2 p.
20	30° 20	30° 18	61° 6	51° 3	50° 2	65° 2	3° 4	0° 6	439	362	80	96	SE 3	SE 1	2	0	0° 10	☽ 2 early a. Very fine day. ☽ p.
21	30° 16	30° 15	58° 0	54° 0	48° 2	66° 6	1° 8	1° 1	427	385	88	92	SE 2	E 1	4	8	0° 05	☽ 2 a. and p. Very fine and sunny.
22	30° 14	30° 14	56° 0	52° 1	44° 4	63° 5	1° 5	0° 4	404	378	90	97	NE 1	NE 1	10	10	0° 02	☽ 2 p.
23	30° 11	30° 01	55° 3	52° 9	52° 0	63° 2	0° 6	0° 2	419	396	96	99	NE 2	NE 1	10	10	0° 08	Overcast. Sunny later. ∞ ☽ p.
24	30° 18	30° 18	54° 9	56° 0	51° 6	59° 2	0° 2	0° 3	425	439	99	98	NE 1	E 1	10	10	2° 70	☼ ☼ ☼ early a. Overcast all day. ☽ 2 6p.
25	30° 19	30° 13	53° 4	48° 5	46° 1	56° 6	3° 6	2° 7	313	275	77	82	NE 5	NE 1	10	8	—	Overcast all day. ☽ 2 p.
26	30° 19	30° 20	55° 1	42° 0	40° 2	59° 4	4° 4	0° 4	317	258	74	97	NE 2	NE 0° 5	1	0	—	Very fine and sunny. ☽ 2 p.
27	30° 15	30° 08	54° 1	45° 1	39° 2	62° 4	3° 7	0° 5	321	288	76	96	E 2	E 0° 5	3	0	0° 02	Very fine and sunny. ☽ 2 p.
28	30° 01	29° 83	53° 5	55° 5	43° 2	57° 5	1° 9	0° 4	357	428	88	98	SE 1	S 1	10	10	0° 47	Overcast all day.
29	30° 07	29° 44	57° 0	55° 9	54° 9	62° 4	0° 8	2° 2	441	382	94	86	W 1	W 3	10	10	0° 50	Overcast nearly all day.
30	29° 56	29° 07	45° 3	39° 0	39° 0	56° 6	2° 6	2° 2	244	195	81	83	NW 6	NW 1	2	0	—	Fine and sunny, but with cold ☼.
Mean	30° 07	30° 05	56° 3	52° 6	47° 8	61° 9	1° 6	0° 8	409	380	89° 8	94° 4	2° 4	1° 7	6° 5	6° 1	1° 362	

CARMARTHEN.—SEPTEMBER 1888.

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.																			
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.							in.	in.	%	%					ins.		
2	30°15	29°06	49°4	50°8	40°0	64°0	0°8	1°6	°331	°415	94	89	SE	1	SW	3	8	10	ins.
3	29°77	74	59°8	52°7	53°3	67°6	0°5	1°1	°498	°367	97	92	SW	1	Caln	0	10	8	°150
4	75	75	65°8	51°2	43°4	65°8	0°7	1°0	°412	°351	65	93	Caln	0	Caln	0	4	1	°070
5	72	72	57°8	58°2	43°4	63°0	0°3	0°9	°469	°457	98	94	S	1	SW	2	10	10	°130
6	84	83	59°0	59°5	56°3	61°4	0°7	0°4	°477	°494	96	98	SW	2	SW	1	10	10	°080
7	84	29°81	60°0	51°7	48°8	62°8	0°2	1°5	°339	°344	65	89	W	3	Caln	0	6	0	°440
8	29°01	30°08	56°8	49°7	49°7	60°7	3°7	1°1	°357	°327	77	92	N	1	Caln	0	7	0	°060
9	30°24	30°22	59°8	53°7	44°8	64°6	4°6	2°1	°377	°355	73	86	N	1	NE	1	8	8	°040
10	30°14	29°05	54°1	48°8	40°8	54°6	6°4	2°1	°261	°293	63	85	N	1	NE	1	8	8	°040
11	29°07	30°04	60°0	46°3	44°1	63°7	6°6	1°0	°330	°290	64	93	N	1	N	1	6	2	—
12	30°11	29°17	52°5	46°3	40°6	63°1	1°5	0°6	°355	°299	90	96	SW	1	Caln	0	9	0	—
13	26	25	58°6	45°8	39°1	65°2	5°0	0°1	°349	°306	71	99	Caln	0	N	1	0	0	—
14	23	30°10	60°6	54°7	42°7	69°2	5°6	2°1	°362	°369	69	87	E	2	E	1	0	1	—
15	30°01	29°01	64°6	55°0	48°0	70°4	6°1	0°8	°410	°409	68	94	E	2	E	2	0	3	—
16	29°01	29°05	61°1	53°3	52°9	70°1	1°0	0°7	°473	°386	88	95	E	1	Caln	0	10	0	—
17	30°05	30°06	58°8	49°7	48°0	62°7	5°6	1°6	°338	°315	68	89	N	1	N	2	5	0	—
18	06	07	60°0	53°2	41°7	68°4	5°4	2°1	°360	°348	69	86	E	1	E	1	0	0	—
19	09	07	65°0	52°7	49°5	70°3	6°5	1°0	°406	°370	66	93	Caln	0	E	1	0	0	—
20	07	02	62°5	55°7	49°3	68°5	5°9	2°4	°381	°374	68	85	E	2	NE	2	0	0	—
21	03	01	58°0	52°9	49°1	69°3	5°2	1°3	°336	°360	70	90	E	4	E	1	0	0	—
22	04	00	59°1	48°8	45°1	66°8	4°5	0°5	°367	°333	74	96	E	3	E	1	2	0	—
23	30°03	30°01	56°8	43°7	43°2	64°1	3°2	0°4	°369	°275	80	96	E	2	E	1	0	0	—
24	29°06	29°06	53°7	53°3	39°3	68°2	0°1	0°7	°410	°386	99	95	Caln	0	Caln	0	10	10	—
25	78	72	51°7	54°5	49°7	58°5	0°9	1°3	°360	°386	94	91	NE	1	NE	2	10	10	—
26	29°80	29°07	57°3	50°5	50°0	61°5	4°4	2°9	°345	°295	73	81	NE	3	NE	4	8	10	—
27	30°03	30°00	53°7	51°5	47°7	61°8	5°2	1°4	°281	°344	69	91	E	3	E	2	8	8	—
28	29°05	29°85	58°2	57°8	48°0	64°7	6°0	1°2	°321	°441	66	92	E	1	Caln	0	2	10	—
29	76	67	58°8	57°8	54°6	64°2	0°8	0°3	°479	°469	95	98	S	2	S	1	10	10	°180
30	58	46	57°0	51°7	51°2	62°2	0°9	2°1	°437	°320	94	86	W	1	W	1	10	10	°080
Mean	29°63	29°67	54°7	45°2	44°5	56°3	8°1	1°7	°236	°262	55	88	N	4	N	1	5	10	°030
Mean	29°09	29°03	58°2	52°1	46°6	64°5	4°0	1°3	°374	°358	77°3	91°3	1°5	1°1	5°3	4°4	1°30	1°30	°060

MARGATE.--SEPTEMBER 1888.

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.

[illegible]

SOUTHAMPTON.—SEPTEMBER 1888.

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.

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.	60°0	56°9	42°4	67°9	4°9	1°7	372	412	72	89	NW	1½	SW	2	6	10	ins.	☐ a. Beautiful day. Overcast even- [ing.]
2	30°28	30°10	60°0	58°5	54°7	61°2	3°1	0°4	420	478	81	98	SW	3½	SW	3	10	10	280	Dull a. ☉ from 10a.
3	29°88	29°90	60°4	56°8	56°7	67°4	0°6	1°1	487	429	97	93	SW	1½	SW	2	10	10	—	Beautiful day from 9a. ☐ p.
4	29°92	29°94	61°4	59°4	50°4	66°4	4°1	1°3	415	468	77	93	SW	2	SW	3	6	10	015	☐ a. Beautiful day. Overcast even- [ing.]
5	30°02	30°06	59°5	59°9	57°9	65°2	1°0	1°9	477	454	94	89	SW	2	SW	3½	10	10	063	—
6	29°97	30°00	60°4	52°6	52°3	66°4	1°4	1°7	479	350	92	88	SW	3	NW	1	10	0	020	Beautiful day from 11a. ☐ n.
7	30°00	30°03	61°4	50°8	49°8	68°1	5°3	1°7	382	328	71	88	NW	3	NW	3	7	0	010	☐ a. and p. [out.]
8	32	33	58°4	46°7	44°7	62°8	5°2	2°3	342	266	70	84	NE	1	NE	1	0	0	—	☐ a. and p. Beautiful day through- [out.]
9	36	34	52°4	47°6	43°4	60°2	3°1	0°7	314	313	80	95	NE	4	NE	0½	8	0	148	☉ 3p.—5p. ☐ in E. 8p.—11p.
10	35	34	55°0	49°8	42°1	62°3	1°8	0°9	381	335	88	93	N	2	WNW	0½	10	0	017	Fine from 11.30a.
11	34	33	58°0	51°5	42°4	66°1	3°4	1°1	383	351	79	92	NW	1	W	0½	0	0	—	☐ a. and p. Beautiful day. [day.]
12	41	41	55°4	51°8	40°1	68°4	1°8	0°9	388	361	80	93	Calm	0	NE	1	8	1	—	☉ early a. ☐ a. and p. Beautiful
13	38	37	60°0	52°4	43°3	69°1	4°3	2°5	401	329	76	83	E	1½	NE	2	0	0	—	☐ a. Beautiful throughout. ☐ p.
14	35	39	59°6	55°0	48°7	70°3	2°7	0°9	426	406	83	94	E	1½	SE	0½	7	0	—	☐ a. and p. Beautiful day throughout.
15	39	35	59°7	61°5	46°9	73°9	2°8	2°4	425	466	83	86	SSW	1½	SSW	1	2	10	—	☐ a. Beautifully fine later.
16	32	36	63°4	54°4	53°0	66°8	4°9	2°3	425	359	73	85	N	3	N	1	8	10	—	Beautiful day. ☐ at night.
17	37	37	56°7	56°4	53°0	66°8	2°0	1°6	401	407	87	90	NE	2	NE	1	10	0	—	Beautiful p. ☐ at night.
18	31	38	56°4	55°5	51°0	68°1	2°4	0°9	385	415	85	94	E	2	NE	1	9	0	—	☐ a. and p. Beautiful day.
19	39	34	62°5	53°8	51°0	69°7	4°3	1°9	426	361	75	87	NE	3	E	2½	3	0	—	☐ a. and p. Beautiful day.
20	34	31	58°9	54°7	49°8	71°6	3°3	2°0	398	372	80	87	NE	3½	NE	1½	5	0	—	☐ a. and p. Beautiful day.
21	32	30	59°3	54°3	50°9	69°2	2°6	1°2	423	387	84	92	NNE	3	NNE	1½	8	0	—	☐ a. and p. Beautiful day.
22	36	30°10	53°1	54°2	48°4	66°5	1°5	1°1	362	388	89	93	NE	2½	NNE	1½	10	0	—	☐ n. and p. Fine, but cool a. Beauti- [ful later.]
23	30°08	29°96	54°5	53°5	51°8	64°5	1°0	0°4	393	426	93	97	NE	2	N	3	10	10	057	☉ a. and p. ☉ p.
24	29°87	29°83	58°5	58°4	54°9	70°2	0°4	0°7	478	467	98	96	NNE	1½	NE	1	10	10	140	☉ 2.30p.—3.30p. and 4.30p.
25	29°90	30°07	56°6	52°5	52°0	59°4	0°9	1°0	432	368	94	93	NNE	3	NE	1½	10	10	011	☉ showers.
26	30°13	30°16	52°7	52°4	49°6	63°5	2°0	1°7	344	348	87	89	NE	1	E	0½	10	0	—	Beautiful p. ☐ at night.
27	30°12	30°06	59°3	55°6	46°6	66°4	3°6	1°9	396	389	78	87	SE	1½	SE	2	0	10	013	☐ a. Beautiful day. Overcast later.
28	29°96	29°86	57°8	56°6	53°6	62°0	0°5	0°2	463	523	96	98	SE	1	Calm	0	10	10	092	☉ most of day. ☉ p.
29	74	51	57°5	58°5	55°2	63°1	0°2	0°5	467	474	98	97	WSW	1	W	1½	10	10	212	Dull and damp a. ☉ 6.30p.
30	29°68	29°78	51°1	41°1	41°0	59°6	4°7	1°8	262	320	70	85	N	4	N	1½	1	0	—	Beautiful day, but with cold wind. [☐ n.]
Mean	30°082	30°064	58°0	54°3	49°3	66°1	2°71	1°4	405	388	84°0	90°9	2°1	1°5	6°9	4°1	1°078			

BABBACOMBE.—SEPTEMBER 1888.

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.

1	30°04	29°44	60°1	54°2	45°3	63°6	4°9	1°5	*373	*377	72	90	NE 1	WSW 3	1	7	—	Δ^2 in past n.	
2	29°77	*66	57°9	54°2	54°2	59°7	1°2	0°1	*443	*465	92	99	WSW 4	SW 2	10	10	*210	Dull and gloomy, with ☁ (mist)	
3	*66	*67	61°8	54°1	50°3	65°5	3°4	1°1	*441	*386	80	92	NNE 1	NW 2	2	3	—	Δ^2 p.	
4	*69	*71	56°8	57°8	47°1	60°2	1°7	0°0	*410	*451	89	93	SW 3	WSW 3	10	10	—	Dull day. ☁ (mist) p.	
5	*81	*81	60°0	57°0	56°1	63°1	3°0	0°7	*424	*450	82	95	WSW 3	WSW 4	9	3	*660	☉ showers from 3.30p.	
6	*78	*79	59°0	52°0	52°0	65°4	2°8	1°1	*413	*358	83	92	WNW 2	WSW 2	2	0	—	Clear 11a.—1p. Δ p.	
7	29°80	29°04	59°9	53°7	50°1	64°0	4°9	3°5	*370	*321	72	77	NW 3	N 3	3	1	—	Δ in past n. Clear 10a.—3p.	
8	30°10	30°08	57°3	54°9	47°2	61°5	4°0	4°9	*356	*303	76	70	NNE 2	NE 3	1	9	—	Δ in past n. ∞ till 1p. Squally.	
9	29°96	29°80	52°1	49°9	44°6	56°2	4°2	2°0	*284	*308	74	86	NE 3	NNE 2	7	2	*010	Squally before ga. Δ p.	
10	29°85	29°04	55°5	49°1	43°1	60°6	3°6	1°2	*340	*318	78	91	NE 2	WNW 1	6	0	—	Δ n. and p. ☁ (mist) a.	
11	30°02	30°09	53°0	50°8	44°3	58°4	1°8	1°1	*353	*343	87	92	W 2	WNW 1	9	1	—	Δ^2 n. and p. ☁ (mist).	
12	*16	30°16	57°0	51°4	39°5	61°8	3°0	0°6	*377	*364	81	96	ENE 2	ENE 1	3	0	—	Δ^2 n. and p. ☁ (mist). Very fine.	
13	30°10	29°08	58°4	57°4	49°1	61°5	2°4	2°3	*415	*403	85	86	E 3	E 4	1	3	—	Δ^2 n. ☁ (mist). Very fine. Δ p.	
14	29°01	*85	56°8	54°0	52°5	63°2	2°8	0°6	*379	*400	82	96	ENE 2	Calm 0	2	1	—	Δ^2 n. and p. ☁ (mist). Very fine.	
15	*83	*84	60°0	60°2	52°3	65°2	1°1	0°9	*480	*491	93	95	ENE 1	NNW 2	8	10	—	Δ^2 n. Δ^2 a. \oplus ☁ (mist) p.	
16	*92	*94	61°6	54°9	52°8	64°6	6°1	2°8	*364	*353	67	83	NNE 2	NE 2	1	0	—	Δ n. and p. Very fine and sunny.	
17	*95	*94	55°5	53°4	45°9	60°8	2°9	1°5	*358	*366	82	89	NE 3	NNE 1	10	0	—	Δ n. and p. Dull 8a.—4p. ☁ (mist)	
18	*96	*93	58°7	55°4	52°5	60°4	2°8	1°1	*409	*401	83	92	ENE 3	NE 2	2	0	—	Δ^2 n. and p. ☁ (mist). Δ (mist) p.	
19	*93	*87	55°6	57°8	53°1	62°8	1°5	2°9	*399	*393	90	82	ENE 4	ENE 4	5	0	—	Dull till ga. ☁ (mist). Squally p.	
20	*87	*86	57°4	58°0	50°3	64°7	3°0	3°0	*382	*393	81	81	ENE 3	NE 3	1	0	—	Δ n. and p. Fine and sunny. ☁ (mist)	
21	*89	*87	53°0	56°8	51°1	64°5	1°1	1°9	*371	*406	92	87	NE 2	NE 2	10	0	—	Δ n. ☁ (mist). Δ p. Δ (mist).	
22	*91	*88	53°2	53°1	50°4	59°6	1°3	1°1	*369	*373	91	92	E 2	NE 1	8	0	—	Δ^2 n. and p. ☁ (mist).	
23	*83	*73	52°2	54°6	49°4	55°4	0°2	0°7	*385	*406	99	95	ENE 2	NNE 2	10	9	—	Δ^2 n. Scotch Δ^2 ga. Δ p.	
24	*64	*60	58°2	60°1	52°1	63°7	1°1	0°9	*451	*489	93	94	NE 1	NE 1	10	10	*030	Dull day. \mathcal{K} (mist) p.	
25	*70	*82	54°3	53°4	53°3	60°5	1°3	1°2	*384	*374	91	91	ENE 3	ENE 4	10	10	*010	\mathcal{K} o.s.a. Dull day. ☁ (mist).	
26	*89	*89	51°3	57°0	51°2	58°7	1°5	1°0	*338	*434	90	93	NE 3	E 2	10	9	—	Dull a. Δ in W. sp. Δ p.	
27	*84	*77	53°8	56°9	52°6	57°7	0°7	0°7	*394	*443	95	95	E 3	SE 2	10	10	*180	Dull and gloomy, with ☁ (mist).	
28	*67	*61	59°4	56°6	56°3	66°6	0°0	0°5	*507	*443	100	97	SSW 3	W 1	10	7	*030	Dull, with ☁ till 11a. Δ p.	
29	*49	*33	57°7	58°1	54°4	61°6	0°4	0°5	*464	*473	97	98	SW 1	WNW 2	10	2	*090	Scotch 3p.—4p. Great gloom 5p.—	
30	29°49	29°60	51°6	42°3	42°3	58°4	5°4	2°3	*254	*222	67	82	N 4	WNW 1	3	2	*010	Very fine and sunny. Δ p. Δ p.	
Mean	29°84.8	29°83.0	56°6	54°8	49°8	61°7	2°5	1°5	*390	*391	84.8	90°0	2°4	2°1	6°1	4°0	0°630		

LONDONDERRY.—SEPTEMBER 1888.

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.

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.	56.0	58.7	52.0	59.4	2.0	0.7	in.	in.	SW 4	SW 1	10	10	ins.	● all day.		
2	29.99	29.81	56.2	54.7	52.8	63.1	2.4	1.0	.403	.383	W 2	Calm	0	7	.020			
3	.82	.88	57.3	54.7	49.5	59.3	3.7	1.8	.364	.376	SW 2	SW 2	10	10	.080	● during day.		
4	.83	.70	53.6	57.6	49.0	65.1	3.0	1.2	.329	.438	SW 2	S 1	10	10	.090			
5	.72	.82	57.4	51.5	50.0	61.0	5.5	1.6	.321	.340	NW 2	SW 2	10	10	.160	9p.		
6	29.67	29.83	52.4	51.2	48.0	58.3	1.5	1.3	.353	.343	WSW 3	NW 3	10	0	.260	2 showers all day.		
7	30.10	30.31	54.5	51.0	49.5	59.0	3.2	2.6	.337	.309	NW 3	NW 2	9	3	—			
8	.43	.44	54.3	50.7	46.9	58.4	3.2	2.9	.334	.297	NW 2	NW 1	10	0	—			
9	.38	.25	54.5	48.8	48.0	60.4	3.6	1.1	.328	.317	NE 1	SE 1	10	10	—			
10	.18	.17	52.7	49.7	45.4	59.8	2.8	1.7	.324	.313	SE 1	W 2	9	0	.010			
11	.18	.24	50.3	53.7	47.7	61.0	1.4	2.1	.412	.354	SW 1	W 1	10	10	—			
12	.31	.34	58.7	54.7	49.8	64.2	4.8	1.9	.356	.374	WSW 2	Calm	0	5	.010			
13	.34	30.22	58.8	51.8	46.4	68.4	5.6	1.9	.337	.336	SE 1	NW 2	0	0	—	Fine and clear all day.		
14	30.10	29.96	61.0	61.8	50.6	69.5	5.1	5.0	.381	.396	SE 2	SSE 4	0	10	.140	Fine and clear all day.		
15	29.88	30.09	60.2	52.2	51.5	62.0	1.8	3.0	.463	.313	SW 3	SW 2	10	10	—			
16	30.18	.17	52.2	50.7	48.0	67.0	3.3	1.7	.306	.326	WSW 2	SW 1	2	0	—	Fine all day.		
17	.19	.22	54.7	54.2	45.0	63.0	2.8	2.6	.350	.348	SW 2	SW 2	10	10	—			
18	.24	.24	57.7	56.2	52.0	68.0	2.8	2.3	.394	.385	SW 2	NE 2	10	10	—			
19	.22	.20	49.7	52.2	46.0	71.0	0.5	1.3	.343	.355	NW 2	SW 2	10	0	—	☁ and ☁ (mist) a. Fine day.		
20	.22	.20	55.2	50.7	47.0	69.0	1.3	1.5	.398	.331	91	SW 1	10	0	—	☁ before 9a. Fine and clear all day.		
21	.24	.19	48.2	49.7	43.0	68.4	0.3	0.8	.330	.336	98	SW 2	SW 2	10	10	—	☁ a. and p.	
22	.18	.16	50.4	53.2	47.5	57.5	0.5	0.8	.353	.383	96	SW 2	SW 2	10	10	—	☁ a.	
23	30.13	30.05	49.9	50.2	47.0	54.2	0.5	1.8	.346	.317	97	SW 2	SW 2	10	10	—	☁ a.	
24	29.97	29.97	52.5	54.5	48.8	61.3	1.7	1.6	.349	.379	89	SSW 2	NE 1	10	8	—		
25	30.12	30.18	51.2	49.4	48.0	62.9	2.3	2.5	.318	.291	84	NE 2	SE 1	10	10	—		
26	.21	30.17	51.2	46.7	44.0	64.4	3.6	0.9	.288	.297	77	SE 2	SE 1	8	0	—	Fine all day.	
27	30.10	29.95	49.7	52.7	41.0	65.0	0.8	2.1	.336	.341	94	SW 2	NE 1	0	0	.100	☁ a. Fine and clear.	
28	29.79	.73	56.4	56.5	51.5	60.3	1.0	0.9	.425	.430	93	S 3	W 2	10	10	.050		
29	.71	.77	51.7	46.7	43.0	56.7	0.8	3.3	.362	.244	94	NE 1	NW 2	10	0	.020	Fine all day.	
30	29.86	29.83	46.7	41.9	40.5	52.7	3.3	1.0	.244	.244	77	NE 2	NE 1	10	2	.320	● showers.	
Mean	30.070	30.058	54.1	52.3	47.6	62.3	2.5	1.8	.352	.346	84.2	87.7	2.0	1.6	8.6	5.8	1.590	

ARMAGH.—SEPTEMBER 1888.

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.

1	29.91	29.73	58.3	59.0	49.0	59.5	3.4	0.8	386	474	79	95	SW 3	SW 2	10	10	0.200	● during day.
2	71	75	56.1	53.5	51.0	60.8	1.4	0.4	410	399	90	97	SW 2	WNW 0.5	10	10	0.195	● during day.
3	72	61	54.0	54.8	49.0	57.5	1.6	2.1	371	371	89	87	WSW 1	SSW 1	10	10	0.015	● during day.
4	61	60	55.9	57.8	51.1	60.5	4.8	1.3	320	440	71	92	W 1	SW 1	10	10	0.063	● during day.
5	70	73	57.8	51.8	51.3	62.1	4.5	1.6	352	343	74	88	W 1	SW 1	8	2	0.008	● during day.
6	62	29.72	52.0	51.1	47.0	61.4	1.8	1.1	340	347	87	92	SW 3	WSW 1	10	8	0.250	● during day.
7	29.96	30.16	56.4	49.0	46.7	60.0	4.5	1.9	333	300	73	87	NNW 1	NNW 1	8	10	—	● during day.
8	30.20	30	53.1	42.5	42.1	59.2	4.5	0.6	289	259	71	95	N 1	N 0.5	9	0	—	● during day.
9	23	09	48.6	45.6	37.1	53.6	1.8	0.6	299	292	88	96	N 0.5	E 0.5	10	10	—	● during day.
10	04	04	50.0	48.7	35.0	61.3	1.3	0.8	327	324	91	94	E 0.5	NNW 0.5	7	9	—	● during day.
11	07	12	55.0	52.7	43.6	59.7	1.8	1.8	381	349	88	83	SW 1	WSW 0.5	10	10	—	● during day.
12	20	23	55.8	50.8	48.0	60.8	3.8	3.1	342	294	76	79	WSW 0.5	S 1	10	0	—	● during day.
13	30.21	30.10	56.8	50.1	38.8	62.6	3.9	1.7	353	318	76	88	S 1	SSE 1	0	0	—	● during day.
14	29.98	29.87	59.6	59.0	47.3	64.5	4.6	3.2	373	402	73	81	SSE 2	SSE 2	0	9	0.185	● during day.
15	29.80	29.97	60.2	51.1	51.0	62.5	1.7	2.4	466	315	90	83	SSW 1	NW 1	10	10	—	● during day.
16	30.06	30.05	56.8	50.9	46.0	63.5	5.5	2.1	314	320	68	87	WNW 0.5	SW 1	7	0	—	● during day.
17	06	09	55.2	48.5	44.2	61.5	3.2	0.6	347	326	80	95	SW 0.5	SW 0.5	0	2	—	● during day.
18	11	10	54.9	46.7	42.0	63.6	3.7	1.2	331	291	76	92	SW 0.5	E 0.5	0	0	—	● during day.
19	09	07	48.8	46.7	37.2	62.0	0.0	0.1	345	317	100	99	E 0.5	ESE 0.5	10	0	—	● during day.
20	10	06	55.8	43.7	40.9	61.5	2.7	0.0	370	285	83	100	ESE 1	ESE 0.5	8	0	0.005	● during day.
21	09	05	46.7	50.8	40.0	53.5	0.0	0.2	319	307	100	98	ESE 0.5	SE 0.5	10	10	—	● during day.
22	30.04	30.02	47.8	50.3	46.4	52.5	0.1	0.4	330	355	99	97	SE 0.5	SE 0.5	10	10	0.010	● during day.
23	29.98	29.91	49.7	49.2	47.7	54.8	0.7	2.0	338	301	95	86	SE 0.5	ESE 0.5	10	10	—	● during day.
24	82	29.81	52.0	49.0	47.2	53.9	2.2	1.9	330	300	85	87	ESE 0.5	NE 1	10	10	—	● during day.
25	29.96	30.03	51.0	47.0	46.4	53.5	2.5	2.2	311	271	83	85	ENE 1	NE 1	10	10	—	● during day.
26	30.06	30.02	52.1	46.0	37.0	57.7	4.1	3.0	286	244	73	79	E 1	E 0.5	10	0	—	● during day.
27	29.95	29.82	52.0	51.7	33.1	61.1	1.8	1.9	340	334	87	88	E 1	ENE 1	0	10	0.080	● during day.
28	68	62	56.8	56.7	50.5	60.7	0.7	1.1	441	427	95	93	SSE 1	SW 1	10	10	0.040	● during day.
29	54	52	52.0	43.2	42.1	57.3	1.1	1.6	358	245	92	88	N 1	NNW 1	10	9	—	● during day.
30	29.71	29.70	47.4	39.6	38.0	51.7	3.1	0.9	256	225	79	93	NNW 1	NNW 0.5	8	9	0.072	● during day.
Mean	29.943	29.930	53.6	49.9	44.3	59.2	2.6	1.4	345	328	83.7	90.3	1.0	0.8	7.8	6.6	1.123	● during day.

MARKREE CASTLE (SLIGO).—SEPTEMBER 1888.

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.

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.	57.5	58.8	52.0	60.4	3.0	0.7	in.	in.	81	96	SW 3	SSW 2	10	10	ins.	Overcast all day.
2	78	83	56.0	53.1	51.3	59.6	1.7	0.9	399	379	89	93	NW 1	NNW 1	10	10	0.090	
3	79	64	55.0	55.3	45.1	57.8	2.8	1.1	354	405	82	92	NW 0.5	S 2	10	10	0.060	
4	68	65	54.5	57.9	47.4	60.4	2.5	1.0	354	450	83	94	SSW 1	SSW 1	10	10	0.050	Overcast all day.
5	77	79	58.2	50.2	50.0	62.0	4.0	1.5	369	335	76	90	SW 1	SSW 2	10	4	0.080	
6	29.72	29.83	52.1	51.1	47.5	59.6	2.1	1.0	334	350	85	93	W 0.5	WNW 2	9	10	0.190	showers p.
7	30.08	30.27	55.6	48.3	47.8	58.2	3.3	3.2	352	263	79	78	NNW 1	NNW 0.5	9	9	—	
8	37	36	53.4	51.3	46.7	56.8	4.1	2.9	302	306	74	80	Calm	Calm	10	10	—	Overcast all day.
9	29	15	53.3	48.8	40.3	58.3	4.2	1.5	298	308	73	89	NNE 0.5	E 0.5	10	8	0.010	Overcast all day.
10	12	12	51.1	42.7	41.2	56.0	2.4	0.5	315	263	83	96	E 0.5	Calm	10	10	—	
11	14	19	56.0	51.3	40.8	58.7	2.1	0.6	383	362	86	96	NW 0.5	Calm	10	10	—	Overcast all day.
12	24	27	54.6	53.7	44.0	63.1	2.4	1.5	359	370	84	89	SSW 2	Calm	10	10	—	
13	30.24	30.12	54.5	52.0	43.7	64.3	3.2	2.7	337	318	79	82	SSE 2	SE 1	2	5	—	∞ a. and p.
14	29.97	29.86	57.6	59.5	47.7	67.2	3.0	2.3	388	435	82	85	SSE 3	SSE 4	5	10	0.270	∞ a. and p.
15	29.87	30.06	57.7	50.7	49.8	59.5	1.6	0.5	416	284	90	77	SSW 1	WSW 0.5	5	10	0.020	
16	30.12	11	55.6	48.1	39.4	63.2	4.5	3.7	322	318	73	95	SSE 0.5	Calm	5	7	—	
17	11	14	54.2	52.0	37.1	62.4	1.9	1.0	366	361	87	93	Calm	Calm	10	10	—	before 9a.
18	18	15	56.8	47.9	47.2	63.5	3.1	0.5	372	321	80	97	SSE 0.5	Calm	10	4	—	9p.
19	13	10	55.3	54.6	37.0	63.1	2.3	0.9	372	401	85	94	SSE 0.5	SE 1	4	10	—	∞ a.
20	13	12	55.1	43.8	43.2	60.3	1.5	0.1	391	283	90	99	ESE 1	Calm	10	10	—	9a. before p.
21	15	12	53.0	46.8	41.0	62.0	0.9	0.2	377	316	94	98	Calm	Calm	10	10	0.010	∞ a. and p.
22	11	30.10	47.3	49.3	46.2	53.5	0.1	0.8	324	331	99	95	Calm	Calm	10	10	0.010	before 9a. ∞ a.
23	30.05	29.98	50.8	50.5	48.0	53.6	2.1	1.3	319	333	86	90	SE 0.5	Calm	10	10	—	Overcast all day.
24	29.91	29.89	51.9	51.8	47.9	56.8	3.0	1.8	311	350	80	87	Calm	NNE 1	10	10	—	Overcast all day.
25	29.99	30.06	51.1	51.2	49.0	55.7	2.0	3.4	325	292	86	78	E 3	ESE 3	10	10	—	Overcast all day.
26	30.09	30.06	51.6	47.3	47.2	53.0	2.4	1.2	320	297	83	92	ESE 0.5	Calm	10	7	—	
27	29.96	29.82	57.0	54.1	40.0	60.2	2.9	1.8	330	367	82	87	SE 2	ESE 2	8	10	0.130	∞ a.
28	70	70	57.0	55.3	53.1	62.2	0.8	0.5	440	423	94	97	SSW 3	S 1	10	10	0.030	Overcast all day.
29	62	71	55.9	45.2	44.8	55.9	0.7	1.8	246	260	95	87	N 0.5	N 2	10	8	0.090	
30	29.84	29.81	48.3	47.2	41.5	50.7	3.0	0.5	268	258	79	96	N 1	Calm	10	7	0.630	
Mean	30.005	29.993	54.3	50.9	45.3	59.4	2.5	1.4	356	340	84.0	90.5	1.1	0.9	8.9	9.1	1.850	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

PARSONSTOWN (BIRK CASTLE).—SEPTEMBER 1888.

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.

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	58°7	50°8	61°7	3°1	0°8	in.	ins.	0/10	0/10	SW 2	SW 4	10	10	ins.	Gusty a. showers p.
2	29°79	29°80	56°4	51°3	51°0	61°8	1°7	0°8	392	468	80	95	SW 1	Calm	10	6	152	● in past n. Mild, with ● showers.
3	80	70	54°4	55°0	50°0	59°6	1°7	2°1	376	357	89	86	Calm	ENE 1	8	10	011	Dull, with ● p.
4	69	70	57°4	57°3	52°4	60°0	1°5	0°8	426	446	90	95	Calm	SW 3	7	10	116	Damp and close, with ● showers.
5	79	83	59°1	53°6	52°8	62°3	4°6	1°7	366	363	73	88	W 1	WNW 2	9	2	010	Day fair.
6	29°78	29°85	56°5	51°9	46°7	59°7	3°5	1°9	358	336	78	87	WSW 4	WNW 3	9	8	081	Squally, with ● showers.
7	30°04	30°22	54°9	47°6	45°8	61°4	3°0	2°0	349	282	80	86	NW 3	N 1	9	9	—	Gusty a. Fine and bright, but with
8	33	31	51°4	46°6	39°4	57°5	3°9	1°6	284	289	75	89	N 1	Calm	10	10	—	[cold wind.]
9	23	11	51°1	47°8	41°5	57°2	2°4	2°1	315	281	83	85	N 1	Calm	10	10	—	Bright a. Day cool. Dull p.
10	09	10	51°7	47°1	42°9	60°5	3°4	1°2	298	295	78	91	Calm	Calm	1	2	—	Bright and cool. ∞ op.
11	15	10	54°9	52°4	43°4	59°3	4°3	1°9	317	343	74	88	Calm	Calm	10	10	—	∞ till 6a.
12	24	26	54°8	49°7	47°3	64°7	2°9	1°9	350	309	81	88	Calm	Calm	10	10	—	Fine and warm.
13	30°22	30°10	55°9	50°0	40°4	65°5	3°0	1°8	364	314	81	87	SE 1	Calm	1	1	152	∞ n. Very fine day. ∞ (mist) [9p.]
14	29°06	29°87	56°7	58°3	49°4	68°7	2°5	2°2	387	420	84	86	SE 2	SSE 2	10	10	—	∞ ga. Day fine and bright.
15	29°89	30°05	56°9	54°7	51°9	61°4	1°9	1°8	406	349	88	88	WSW 1	Calm	10	10	—	Dull till noon.
16	30°12	30°09	55°1	48°9	42°7	63°7	4°4	1°2	317	317	73	92	Calm	Calm	1	2	—	Bright and warm.
17	12	13	52°0	49°4	38°4	63°9	1°4	1°6	351	313	90	90	Calm	Calm	10	10	—	∞ 2 sa. Day fine and bright.
18	15	11	53°9	50°9	41°8	66°6	1°7	1°5	367	335	88	90	Calm	Calm	10	10	—	Very fine and warm. ∞ op. [∞ p.]
19	11	07	50°9	50°9	39°1	63°7	1°4	1°0	338	348	91	93	Calm	Calm	10	10	—	∞ 3 a. Very fine day. [∞ p.]
20	10	08	48°1	49°0	36°8	65°3	0°6	1°2	321	317	96	92	Calm	Calm	10	10	008	∞ from 7.30a. Day fine and bright.
21	12	09	45°3	44°0	38°4	66°8	0°4	0°2	294	283	97	98	N 1	Calm	10	10	—	∞ n. and a. Dull all day, with wet
22	08	30°06	46°5	50°7	42°7	61°6	0°5	0°9	304	348	96	94	Calm	Calm	10	10	—	∞ a. and p. Dull a. Bright after-noon.
23	30°00	29°04	53°3	46°8	46°8	58°6	2°4	1°0	341	296	83	93	Calm	Calm	10	10	—	∞ a. Dull day.
24	29°88	29°83	50°4	51°3	41°3	54°3	2°3	1°4	308	342	85	90	Calm	Calm	10	10	—	∞ a. Dull and gloomy.
25	29°89	29°09	54°8	52°4	49°6	56°5	2°5	2°5	359	329	84	88	E 2	SE 1	10	10	—	Dull, with ∞ a. Fine and bright p.
26	30°03	30°01	54°5	48°8	48°4	61°6	3°6	1°7	338	303	77	83	SE 2	SE 1	8	10	116	Dull day. ● from 3p.
27	29°02	29°06	56°1	56°0	43°6	58°1	3°2	1°0	362	419	79	93	SW 1	N 1	10	10	—	Dull and warm.
28	72	72	58°9	55°5	54°8	59°7	1°1	2°4	462	373	94	85	Calm	NW 2	10	4	023	Dull day.
29	61	65	55°6	43°4	42°8	60°2	2°0	1°7	386	245	87	87	N 1	WNW 1	1	10	—	∞ n. Bright and cold a. Cloudy [afternoon]
30	29°80	29°80	48°3	44°5	36°8	52°6	3°8	2°2	251	244	74	83	N 1	WNW 1	1	10	—	
Mean	29°991	29°977	53°8	50°8	44°9	60°5	2°5	1°5	349	334	83°9	89°5	0°9	0°7	7°0	6°4	0°707	

SWANBISTER.—OCTOBER 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

1	29°48	29°23	38°6	41°3	32°5	43°0	2°4	1°3	*189	*232	81	90	NNW 5	NNW 6	—	—	*510
2	*05	*34	45°2	43°0	39°0	46°0	1°4	0°5	*269	*266	90	96	NNE 5	NE 1	—	—	*140
3	*40	*40	46°7	42°2	38°0	48°0	1°2	1°0	*291	*247	92	93	NNW 2	NW 1	—	—	*300
4	*35	*06	32°5	35°6	30°5	43°0	1°0	1°2	*164	*186	89	89	NNW 6	NW 7	—	—	*220
5	*19	*50	41°2	37°0	31°0	44°0	0°7	1°2	*244	*106	95	89	NW 8	NW 5	—	—	*160
6	*73	*89	38°8	38°6	33°0	39°0	2°8	2°6	*183	*185	78	79	NNW 5	NNW 3	—	—	*030
7	*97	29°98	41°8	44°0	33°0	47°0	2°5	1°8	*214	*248	81	86	NNW 1	NW 1	—	—	*040
8	29°96	30°00	50°0	46°5	42°0	52°0	0°5	1°1	*348	*291	97	93	WNW 3	WNW 1	—	—	*070
9	30°01	29°08	49°0	50°0	45°0	51°0	0°6	0°6	*332	*345	96	96	W 1	W 1	—	—	*040
10	29°06	30°01	45°4	39°0	38°0	50°0	0°4	0°6	*294	*226	97	95	N 4	NNW 1	—	—	*090
11	*80	29°46	44°0	50°6	38°0	50°6	0°8	0°4	*270	*358	94	97	SW 4	W 6	—	—	*270
12	*44	*46	46°2	39°8	36°0	51°0	3°6	1°8	*234	*209	76	85	WNW 5	NW 7	—	—	*250
13	*78	*93	41°0	38°8	35°0	42°0	1°5	3°6	*225	*169	88	72	NNW 5	NNW 3	—	—	*030
14	29°83	29°83	47°5	49°0	37°0	49°0	1°5	0°8	*292	*327	90	94	W 5	WNW 5	—	—	*130
15	30°02	30°14	44°8	42°5	41°0	49°0	0°5	0°7	*285	*257	96	94	NNW 2	SE 1	—	—	*150
16	*12	*15	49°7	47°8	42°0	51°0	0°3	0°2	*349	*328	98	98	SE 2	NE 1	—	—	*140
17	*19	30°13	47°4	48°2	45°0	48°2	0°2	0°2	*322	*332	98	99	SE 3	SE 3	—	—	*030
18	30°09	29°08	48°0	48°6	46°0	48°6	1°0	0°6	*309	*327	93	96	SSE 5	S 3	—	—	*500
19	29°09	30°04	50°0	50°0	46°0	50°0	1°0	0°2	*334	*356	93	99	S 1	SSW 2	—	—	—
20	30°27	*38	47°0	46°0	43°0	51°0	1°5	1°5	*287	*264	90	89	NW 1	NW 1	—	—	—
21	*44	*46	45°2	35°5	35°0	47°0	1°6	1°5	*264	*180	88	86	N 1	NE 1	—	—	—
22	30°30	30°08	45°0	47°0	34°0	47°0	2°0	0°5	*253	*311	85	97	S 4	SSW 1	—	—	*100
23	29°03	29°82	51°6	51°0	45°0	52°0	0°2	0°5	*377	*361	99	97	W 5	WSW 4	—	—	*010
24	*65	*64	51°5	44°0	43°0	52°0	1°5	1°0	*342	*265	90	92	SW 3	NW 1	—	—	*450
25	*61	*42	42°5	49°3	41°0	49°3	0°5	0°3	*261	*344	96	98	ENE 3	Calm	—	—	*850
26	*37	*58	51°6	50°8	48°0	54°0	0°4	0°6	*371	*356	97	95	S 5	E 1	—	—	*250
27	*53	*52	54°0	54°2	49°0	57°0	0°2	0°4	*412	*409	99	98	SSW 1	S 1	—	—	*150
28	*48	*30	53°8	50°0	49°0	54°2	0°6	0°5	*397	*348	95	97	SSE 1	SW 5	—	—	*260
29	*58	*64	47°5	46°5	44°0	54°0	0°7	2°5	*311	*259	96	83	WSW 6	SW 4	—	—	*050
30	*64	*37	46°8	45°0	42°0	49°0	1°0	1°0	*296	*275	93	92	S 3	SW 1	—	—	—
31	29°35	29°46	40°0	39°2	37°0	47°0	1°0	0°7	*226	*226	92	94	Calm	NW 0°5	—	—	*020
Mean	29°754	29°748	45°9	44°8	39°9	48°9	1°1	1°0	*289	*280	91°7	92°2	3°4	2°5	—	—	5°240

No observations of Cloud or Weather owing to Mr. Fortescue's absence from home.

T in afternoon.

No observations of Cloud or Weather owing to Mr. Portescue's absence from home.

T in afternoon.

W

OCTOBER 1888.

DUNROBIN CASTLE.—OCTOBER 1888.

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.

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.	38°2	37°2	35°2	46°5	2°7	0°9	in.	in.	°/10	°/2	E	NE	—	—	ins.	Cold, with ✱ (sleet) showers.
2	29°55	29°37	38°2	37°2	35°2	46°5	2°7	0°9	180	204	78	92	E	NE	—	—	°890	✱ (sleet) showers.
3	15	43	49°5	42°9	36°7	50°5	4°0	2°2	261	230	73	84	E	NE	—	—	°100	Clear a. Dull and cloudy p.
4	48	51	34°2	37°2	31°5	54°0	1°7	1°7	164	189	82	85	N	NE	—	—	°310	✱ showers a. p.
5	38	30	40°2	37°4	33°2	45°0	2°7	2°7	196	174	79	78	N	N	—	—	1040	Cold and windy.
6	40	29°70	38°2	39°2	34°7	43°3	1°7	2°5	197	192	86	80	N	N	—	—	°450	Milder a. Cold p.
7	29°88	30°03	43°4	46°2	34°9	46°5	3°9	1°7	202	274	73	89	SE	NE	—	—	—	Fine and clear a. Dull p.
8	30°08	10	52°0	47°6	36°2	55°5	2°3	0°9	328	308	84	94	N	NW	—	—	—	Dull and cloudy a. Mild p.
9	07	09	49°0	49°5	44°2	55°3	1°7	1°5	305	315	88	89	SW	SW	—	—	—	Fine a. Dull and cloudy p.
10	09	09	49°5	49°5	44°7	57°5	1°5	2°5	315	292	89	83	W	NW	—	—	—	Dull and cloudy.
11	30°06	30°10	50°3	43°4	42°5	53°3	3°3	0°9	283	262	78	93	SW	NW	—	—	°170	Dull, with a. Windy p.
12	29°05	29°71	45°4	52°5	38°2	52°5	2°9	2°5	240	338	80	83	W	N	—	—	°090	Cloudy and windy.
13	63	29°65	50°5	42°6	42°2	52°7	4°8	2°3	254	225	69	83	NW	NW	—	—	°080	Cold day.
14	29°94	30°06	40°2	40°4	38°7	45°0	2°7	4°1	196	174	79	69	NW	NW	—	—	—	Cloudy and windy.
15	30°03	29°99	46°4	50°3	36°2	51°5	3°1	2°3	246	306	79	84	NW	NW	—	—	—	Cold day.
16	09	30°21	52°0	49°5	47°2	54°0	2°5	1°2	333	333	83	91	NW	SW	—	—	°130	Cloudy and windy.
17	21	25	50°3	50°0	46°9	54°5	1°3	1°7	331	317	91	88	SW	W	—	—	—	Fine and clear.
18	24	18	49°5	48°5	46°5	52°5	2°0	1°2	304	311	87	91	S	S	—	—	—	Dull and cloudy.
19	14	10	49°5	50°5	43°2	52°5	2°8	2°2	284	312	81	85	SW	SW	—	—	°550	Dull and mild.
20	10	19	51°0	50°7	47°7	52°3	1°7	0°4	331	360	88	98	SW	NW	—	—	°050	Dull, with showers.
21	33	44	51°0	50°3	49°5	51°7	1°5	2°8	336	295	90	81	NW	NW	—	—	—	Fine a. showers p.
22	48	44	45°4	47°2	44°2	50°3	3°1	3°5	236	245	78	76	NE	NW	—	—	—	Dull and mild.
23	48	22	45°4	46°4	38°2	49°5	2°4	0°0	249	204	83	94	SW	NE	—	—	°050	Dull and mild.
24	30°11	30°00	52°0	54°0	37°7	63°3	1°7	4°0	343	310	88	74	S	N	—	—	—	Fine day. showers p.
25	29°78	29°70	53°5	49°7	49°7	56°0	3°5	2°4	316	207	77	84	SW	E	—	—	°370	Fine a. Mild p.
26	59	54	47°2	51°5	45°2	53°5	0°4	1°0	315	354	98	93	E	N	—	—	°080	Dull, with showers.
27	58	60	56°5	54°0	49°7	61°5	3°0	3°0	371	334	81	80	W	NW	—	—	°100	Fine and mild. showers.
28	62	63	58°7	56°3	52°6	63°7	2°2	1°3	426	415	86	91	SW	S	—	—	—	Dull and mild.
29	55	54	59°0	50°7	50°7	59°5	3°3	1°7	399	326	80	88	NW	NW	—	—	°150	Dull and mild.
30	73	79	48°7	43°9	42°7	59°3	4°2	1°4	247	256	72	89	W	NW	—	—	°100	Fine a. showers p.
31	73	51	48°7	44°4	39°7	51°3	2°7	1°1	279	267	81	91	SW	NW	—	—	°030	Mild day.
Mean	29°40	29°53	42°9	43°6	36°7	55°5	0°6	1°3	263	255	95	89	NW	NW	—	—	°600	Dull, with showers a. p.
Mean	29°866	29°871	48°0	47°0	41°8	53°2	2°5	1°9	281	282	82°5	86°1	—	—	—	—	5°340	

LAUDALE.—OCTOBER 1888.

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.

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.	41.8	37.3	36.0	44.2	3.8	1.0	in.	in.	90	90	N	3	N	2	2	8	ins.
2	29.07	29.56	41.8	37.3	36.0	44.2	3.8	1.0	191	203	73	91	N	3	N	2	2	8	530
3	21	28	45.0	45.2	36.6	51.4	1.4	3.0	266	235	89	78	NW	4	SE	2	10	2	010
4	50	55	39.3	40.6	36.5	54.3	6.6	1.1	229	285	96	92	E	1	N	1	1	3	210
5	43	47	40.3	40.2	33.5	47.9	2.4	1.2	202	224	81	90	N	7	N	5	9	10	220
6	53	29.71	45.0	39.6	38.9	45.8	3.6	0.4	222	235	74	97	N	6	N	3	8	10	220
7	29.94	30.07	37.0	41.3	36.5	42.2	1.1	3.3	198	195	90	76	N	2	N	1	5	3	020
8	30.14	13	43.5	48.4	38.5	51.5	0.5	0.5	271	327	96	96	N	1	Calm	0	10	10	080
9	15	14	52.1	48.7	47.4	52.9	0.7	0.8	371	324	95	94	Calm	0	N	1	9	10	030
10	12	13	44.0	46.3	40.4	56.5	0.0	0.9	288	293	100	94	Calm	0	Calm	0	7	4	020
11	08	30.09	48.0	45.0	44.5	52.8	0.2	2.5	330	243	99	82	Calm	0	NW	1	7	4	020
12	30.04	29.87	44.2	51.6	43.7	51.6	0.8	1.6	272	340	94	89	Calm	0	NW	6	10	10	580
13	29.73	29.79	52.2	45.5	43.2	56.6	0.9	2.5	366	249	94	82	NNW	4	NNW	4	10	3	050
14	29.98	30.12	42.2	40.7	40.1	46.4	1.9	1.7	229	218	86	85	NNW	3	N	1	8	3	040
15	30.14	13	42.0	50.4	38.2	51.2	1.4	2.2	237	310	89	85	Calm	0	N	4	10	10	040
16	18	24	52.8	51.2	49.8	58.1	1.8	1.2	350	345	87	92	Calm	0	W	1	10	10	070
17	24	24	49.8	45.3	44.8	58.5	1.8	0.5	312	291	87	96	Calm	0	Calm	0	10	9	010
18	19	15	50.0	51.8	45.2	51.8	3.0	3.0	236	308	80	80	S	3	ENE	2	8	10	—
19	15	03	51.8	53.2	49.6	54.2	3.0	3.9	308	304	80	75	ENE	2	ENE	4	10	10	—
20	09	18	54.0	52.7	52.5	58.0	3.7	2.3	317	336	76	85	SSE	6	S	2	10	10	—
21	32	38	51.0	52.9	49.8	57.2	0.4	0.4	364	399	97	98	Calm	0	Calm	0	10	10	—
22	43	43	51.0	45.4	45.4	56.9	2.7	1.4	366	271	82	90	N	1	N	1	0	0	—
23	37	25	47.0	48.0	41.5	53.8	3.3	1.5	247	297	77	90	E	4	Calm	0	10	10	100
24	30.15	30.01	51.9	53.0	47.9	55.6	1.7	3.8	341	304	88	75	W	1	N	1	10	10	020
25	29.87	29.73	50.9	53.9	49.7	54.0	1.8	1.7	327	367	88	88	NW	3	W	2	10	10	040
26	62	51	54.8	52.8	45.1	57.9	2.8	2.6	351	401	82	83	N	6	W	3	10	10	740
27	57	59	57.3	58.1	55.7	59.1	2.3	2.1	401	420	85	87	W	2	SE	4	10	10	1440
28	64	65	60.2	62.3	57.5	63.3	2.0	4.9	406	406	88	73	SW	4	WSW	3	10	10	1170
29	56	57	59.1	54.3	52.5	62.3	2.3	4.3	429	308	86	73	SE	2	W	5	10	5	680
30	80	85	51.0	51.3	45.4	55.5	4.7	3.7	261	287	70	76	W	5	W	3	7	8	270
31	71	51	51.4	46.5	46.5	59.2	2.7	2.2	311	266	82	84	S	2	WSW	3	10	10	1000
Mean	29.49	29.54	47.0	45.3	44.9	50.3	1.7	1.4	282	270	88	89	W	2	WSW	2	10	10	210
Mean	29.05	29.89	48.6	48.7	44.4	53.8	2.0	2.1	301	295	86.4	86.0		2.4	2.2	8.4	7.8	8.020	

DUNDEE.—OCTOBER 1888.

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.

1	29.43	29.28	41.3	35.7	33.0	46.3	4.6	2.1	174	170	67	81	NW	2	NW	2	5	7	—	✱ (sleet) ga. ⬆ till 4p.
2	29.00	30.10	38.8	41.3	35.5	44.9	1.1	1.6	214	226	92	88	W	2	NE	1	10	10	200	Pine a. ⬆ 3p. ⬆ 10p.
3	29.39	30.17	45.4	38.4	37.1	53.5	1.5	0.3	260	226	89	98	N	1	N	1	0	0	060	8.30a. — ga. ⬆ from 10a.
4	29.12	30.10	40.2	33.6	32.1	44.5	0.5	3.0	239	135	96	70	NE	4	NW	6	10	0	060	✱ (sleet) at night.
5	29.23	30.44	40.4	37.7	32.8	47.3	2.9	1.6	194	195	78	86	NW	4	NW	1	5	7	—	⬆ (gale) noon—3p.
6	29.09	30.44	40.0	39.2	32.6	45.4	4.1	3.3	170	177	68	74	NW	2	NW	2	5	10	—	Dull day.
7	29.03	30.09	42.5	38.1	35.9	46.4	3.0	1.5	211	200	79	87	W	1	W	1	10	10	—	Dull day. ⬆ showers 6p.
8	29.08	30.07	46.5	49.0	37.0	55.5	1.4	0.4	283	338	91	97	S	1	S	1	10	10	140	⬆ n. and till noon. ⬆
9	29.07	30.03	48.5	46.4	45.9	52.4	0.3	0.2	334	311	98	98	E	1	W	1	10	10	020	⬆ 3p.—5p.
10	29.09	30.01	46.9	44.3	39.2	55.5	1.0	1.3	297	261	93	99	SW	1	NW	1	10	10	030	Dull day. ⬆ showers.
11	29.05	30.08	45.7	50.1	41.1	50.4	1.0	3.6	284	275	93	75	NW	1	NW	4	10	7	—	Dull till noon, then fine.
12	29.09	30.09	53.4	44.3	44.1	60.6	2.1	3.3	350	221	86	76	W	2	NW	2	5	10	—	⬆ till 5p.
13	29.07	30.09	44.1	38.4	37.6	48.5	4.6	3.2	195	172	63	75	NW	6	N	2	5	10	—	Dull day.
14	29.07	30.09	43.1	46.4	34.4	51.0	4.0	2.0	198	269	71	86	W	2	W	2	5	10	—	Dull day.
15	29.08	30.06	50.7	50.1	43.7	52.6	1.7	1.0	326	336	88	93	W	1	W	1	10	10	010	Dull day. ⬆ 6p.
16	30.08	30.07	50.1	48.0	47.5	54.1	1.8	1.0	316	309	87	93	W	1	W	1	10	10	—	Dull day.
17	29.08	30.08	46.6	46.4	40.3	55.5	1.1	0.4	292	306	93	97	W	1	W	1	10	10	—	Dull day. ⬆
18	29.03	30.06	44.2	47.4	40.5	49.9	0.7	0.6	274	312	95	96	SE	1	E	1	10	10	—	Dull day. ⬆
19	29.01	30.06	45.8	48.4	40.3	56.4	0.8	0.8	289	320	94	94	E	1	W	1	10	10	020	till 9a. Dull day.
20	29.17	30.09	49.1	47.6	40.1	53.7	0.8	0.3	329	333	94	98	S	1	SE	1	10	10	060	Dull day. ⬆ from 6p.
21	29.33	30.34	47.5	44.5	44.2	49.2	0.3	1.0	321	251	95	86	SE	1	E	1	10	10	030	⬆ n. and till noon.
22	29.28	30.08	42.8	45.6	42.4	46.7	1.5	1.8	242	265	88	87	SW	1	W	2	10	10	050	Dull day.
23	29.07	29.85	47.6	45.1	44.8	54.9	1.1	1.0	303	276	91	92	SW	1	NW	1	10	7	070	⬆ showers n. and till 11a.
24	29.72	30.63	45.8	49.8	43.4	53.0	1.3	1.2	278	327	91	91	SW	2	W	2	10	10	030	⬆ n. ⬆ showers during day.
25	29.52	30.43	51.1	54.8	49.2	55.5	0.7	1.3	357	392	95	91	SW	1	SW	1	10	10	050	⬆ n. ⬆ showers during day.
26	29.46	30.56	56.4	55.7	54.2	59.7	2.0	0.8	396	420	87	94	SW	2	SW	4	10	10	090	⬆ n. ⬆ showers during day.
27	29.60	30.61	58.7	57.8	55.5	60.4	1.6	1.1	444	445	91	92	SW	2	SW	4	10	10	130	⬆ n. ⬆ showers during day.
28	29.50	30.44	58.4	52.2	51.0	59.8	2.0	4.0	427	427	87	74	SW	6	SW	8	10	10	150	⬆ n. ⬆ showers during day.
29	29.70	30.72	47.3	44.0	43.3	53.2	2.8	1.0	261	265	81	92	W	2	W	2	5	0	110	⬆ n. ⬆ showers during day.
30	29.66	30.40	48.0	45.7	37.2	55.0	1.5	1.1	297	281	92	92	S	1	SW	1	5	10	010	⬆ n. ⬆ showers during day.
31	29.24	29.40	48.0	41.4	41.4	53.5	2.5	0.2	274	256	83	99	SW	8	W	1	10	7	010	⬆ till 1p.
Mean	29.73	29.73	46.9	45.4	41.4	52.4	1.8	1.5	285	276	87.2	88.5	2.0	1.8	8.5	8.5	1.5	1.5	1.5	

GLASGOW.—OCTOBER 1888.

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.

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.	41°	36°	36°	46°	4.8	1.2	in.	in.	%	%	N	1	W	1	5	1	ins.
2	29°45	29°33	41°	36°	36°	46°	4.8	1.2	168	188	85	89	W	1	E	1	10	7	027
3	29°02	29°04	41°9	43°1	34°4	49°8	1°8	1°2	228	252	87	91	N	1	W	1	3	0	060
4	29°30	29°39	44°2	39°6	38°1	52°3	4°9	1°4	192	215	66	89	NW	3	W	2	8	0	058
5	29°14	29°30	46°3	33°4	32°5	47°1	3°4	1°8	238	154	77	81	NW	1	NW	1	4	2	000
6	29°29	29°49	43°9	37°6	33°4	48°5	4°2	2°1	202	185	71	83	WNW	1	NW	1	6	10	000
7	29°33	29°50	38°7	39°1	34°5	45°5	2°9	3°0	181	182	77	77	N	1	WNW	1	10	10	000
8	29°03	29°07	43°0	46°0	36°1	51°7	1°9	2°1	236	262	85	85	W	1	NE	1	6	10	000
9	29°08	29°05	47°4	49°9	42°7	56°0	1°0	1°3	303	327	93	91	W	1	W	1	9	9	000
10	29°33	29°02	49°0	47°9	47°2	54°6	1°5	1°0	309	308	90	93	W	1	W	1	10	10	000
11	29°08	29°09	48°0	46°7	47°2	56°0	1°2	1°9	305	274	92	87	ENE	1	N	1	9	9	000
12	29°08	29°07	44°9	49°7	41°0	50°3	2°8	2°8	236	287	79	81	W	1	WSW	4	10	10	022
13	29°57	29°58	52°9	45°0	44°9	56°5	1°0	4°7	373	203	94	68	W	1	WSW	2	10	3	000
14	29°75	29°00	45°3	39°9	39°9	49°1	5°4	4°1	193	170	64	69	WNW	1	ENE	1	7	5	000
15	29°06	29°05	43°9	47°9	33°9	49°8	3°0	2°8	224	267	77	81	WSW	1	W	1	7	7	000
16	29°03	29°08	52°3	49°9	47°9	51°7	2°2	1°8	334	313	85	87	W	1	W	1	9	10	000
17	29°08	29°08	44°6	46°0	42°5	51°4	0°6	1°3	280	279	95	91	W	1	W	1	10	4	000
18	29°06	29°04	44°9	49°9	42°3	52°6	1°5	2°4	264	299	89	84	E	1	ESE	1	10	7	000
19	29°09	29°04	51°4	47°9	46°6	54°3	2°9	1°8	305	280	81	87	S	1	W	1	10	7	000
20	29°15	29°24	48°4	50°3	44°2	56°0	1°2	1°3	309	330	92	91	SSE	1	ESE	1	10	10	000
21	29°29	29°30	49°9	47°0	46°5	52°9	2°2	1°5	304	287	86	90	E	1	E	2	10	10	000
22	29°24	29°09	40°9	44°9	40°9	49°5	1°4	1°7	227	260	89	87	W	1	SW	1	10	10	000
23	29°09	29°07	48°9	46°4	44°3	54°5	1°1	0°6	318	301	92	96	WSW	1	WSW	2	9	10	000
24	29°74	29°01	47°9	50°5	44°6	52°1	1°8	2°2	289	311	87	85	WSW	1	SW	1	9	10	000
25	29°47	29°41	54°1	55°6	50°5	56°9	2°5	1°7	351	393	83	89	SW	1	SSW	2	9	8	157
26	29°46	29°52	57°2	57°1	55°2	61°0	1°6	1°0	421	436	89	93	WSW	1	SSW	4	10	10	260
27	29°57	29°59	59°9	59°1	56°9	61°5	1°8	1°6	459	451	89	90	SW	2	WSW	6	9	10	260
28	29°49	29°53	57°9	57°0	50°9	59°7	1°0	2°5	446	408	94	83	SW	4	WSW	4	10	8	385
29	29°72	29°75	49°1	46°1	45°9	52°5	2°4	0°8	289	293	83	94	SW	1	WSW	1	6	0	110
30	29°59	29°41	50°1	46°5	44°9	53°6	2°2	2°2	306	265	85	85	SSW	1	WSW	2	7	7	290
31	29°30	29°41	48°6	44°0	43°2	51°7	2°0	0°7	294	272	86	94	WSW	1	SW	1	7	6	056
Mean	29°740	29°747	47°9	46°4	43°0	53°0	2°2	1°8	287	279	84°3	86°7	1°2	1°6	8°5	7°1	1°685		

SCARBOROUGH.—OCTOBER 1888.

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. $54^{\circ} 17' N.$

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.	41°	35°	34°	44°	4°	1°	in.	in.	%	%	NW	4	N	3	4	0	ins.
2	29°44	29°34	35°	38°	28°5	46°	1°3	1°3	188	186	72	90	SW	2	SW	2	0	0	Brilliant day.
3	15	09	44°	48°	31°	48°	2°6	2°8	233	209	87	89	SW	2	SW	2	0	0	Brilliant day.
4	15	09	44°	48°	31°	48°	2°6	2°8	233	209	87	89	NW	4	NW	3	5	10	390
5	27	33	41°	34°	34°	51°	1°5	3°1	228	143	88	71	SW	4	W	6	5	0	140
6	28	44	42°	41°	20°	49°	3°5	3°0	205	199	75	77	N	6	NW	4	5	0	Brilliant day.
7	61	81	40°	40°	37°	44°	2°4	1°8	202	217	81	85	NW	5	NE	4	5	2	Brilliant day.
8	29°89	29°98	42°	39°	37°	45°	2°1	1°7	230	212	84	87	N	5	N	2	10	0	Brilliant day.
9	30°02	30°00	41°	44°	34°	50°	2°1	2°3	218	244	84	83	SW	2	S	1	10	10	showers a., then brilliant.
10	29°97	29°92	44°	46°	38°	51°	2°1	1°3	249	288	84	91	E	2	W	1	6	8	Fair.
11	87	91	48°	47°	45°	53°	1°0	0°5	321	317	93	97	N	4	SW	1	5	10	Fair.
12	90	78	48°	46°	43°	57°	2°0	1°8	290	277	86	87	E	3	W	1	5	4	Brilliant day.
13	64	53	52°	52°	44°	56°	2°1	2°0	338	336	86	86	SW	6	W	2	10	5	Brilliant day.
14	66	58	43°	42°	40°	57°	1°5	2°8	245	216	88	79	NW	5	NW	3	8	8	showers a., then fine.
15	29°94	30°02	41°	41°	38°	48°	2°0	2°3	224	216	85	83	NW	5	N	2	6	0	Brilliant day.
16	80°04	80°04	44	45°	45°	56°	1°5	0°8	268	288	89	94	W	4	W	1	4	5	Fine day.
17	15	10	46°	48°	43°	52°	1°4	1°4	284	303	91	90	SW	3	W	1	10	9	Fine day.
18	12	12	47°	48°	44°	51°	1°1	0°8	302	317	93	94	W	1	SE	1	0	10	Fine day.
19	09	07	45°	49°	44°	52°	0°8	0°5	287	342	94	97	S	1	S	3	0	5	Bright day.
20	14	15	49°	44°	44°	51°	1°5	0°8	311	277	90	93	S	2	SE	1	9	0	Brilliant day.
21	30	26	42°	41°	37°	49°	0°9	1°1	256	235	93	92	S	1	SW	1	5	0	Brilliant day.
22	30	33	45°	44°	32°	50°	0°0	2°0	307	251	100	85	N	2	NE	1	10	10	Damp ☁☁☁ ga. Dull day.
23	30°04	29°95	39°	45°	36°	52°	1°1	1°3	222	270	91	90	SW	2	SW	3	10	0	Dull till 8p.
24	29°85	29°76	39°	48°	36°	52°	0°3	0°8	239	322	98	95	S	2	SW	2	0	4	Brilliant day.
25	69	65	50°	54°	46°	57°	0°6	1°0	348	400	96	93	S	2	W	4	0	4	☁☁☁ a., then fine.
26	68	81	50°	59°	53°	62°	1°1	1°8	422	444	93	89	SW	5	SW	3	10	9	Fine a. Cloudy and dark p.
27	84	87	59°	60°	58°	63°5	1°2	1°8	473	473	93	90	SW	4	SW	6	10	10	Very warm.
28	81	70	60°	58°	57°	61°	2°6	1°8	449	428	84	89	SW	5	SW	5	10	7	Very warm.
29	91	87	50°	48°	47°	58°	1°8	1°1	315	312	87	92	SW	3	SW	1	8	8	Dull and gusty, with ☉ showers.
30	79	60	46°	47°	45°	51°	0°3	0°7	312	313	98	95	SW	2	SW	1	10	0	Dull, with ☉. Fine later.
31	29°58	29°53	46°	46°	43°	52°	1°7	1°1	278	290	88	93	SW	3	SW	1	3	10	Dull, with ☉. Brilliant day.
Mean	29°516	29°820	46°0	46°2	40°8	52°6	1°6	1°5	280	285	88°3	88°7	3°3		2°3	6°2	4°8	1°230	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—OCTOBER 1888.

Heights 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.

[illegible]

STONYHURST.—OCTOBER 1888.

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.

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.	35°	35°	32°	41°	2°	2°	in.	in.	%	%	Calm	0	Calm	0	10	0	ins.	Overcast, with * a.	
2	28° 25	28° 15	35°	35°	32°	41°	2°	2°	160	160	78	76	Calm	0	Calm	0	10	0	170	Overcast, with * a.	
3	28° 04	28° 06	38°	38°	26°	44°	2°	2°	176	186	81	85	swb.w 1	1	Calm	0	9	3	010	a. Δ sp.	
2	29° 03	29° 22	42°	42°	33°	50°	2°	2°	170	202	197	75	nbyw 1	1	Nbyw 1	1	0	055	a.	a. Overcast and squally, with	
4	10	21	47°	47°	32°	47°	3°	3°	255	135	79	68	WSW 2	2	nwb.w 1	1	0	500	2 showers. Δ ² (very heavy) (noon.)		
5	19	30	43°	40°	32°	46°	2°	2°	230	182	80	72	W 3	3	NW 2	2	0	128	a.	a. Overcast and gloomy.	
6	50	70	38°	34°	20°	44°	3°	3°	167	137	71	70	Nbyw 1	1	Calm	0	8	0	—	a. Fine and sunny a. Overcast p.	
7	75	79	40°	43°	31°	48°	3°	2°	190	230	75	83	Neb.E 1	1	Calm	0	1	10	—	Overcast and gloomy.	
8	82	79	45°	47°	40°	51°	1°	1°	264	289	89	90	Calm	0	NbyE 1	1	8	10	—	Overcast and gloomy.	
9	76	73	46°	42°	41°	50°	1°	1°	275	245	87	92	Calm	0	Calm	0	10	7	—	Overcast and gloomy.	
10	70	72	42°	43°	36°	50°	1°	1°	245	259	92	92	Calm	0	Calm	0	10	005	—	Overcast and gloomy.	
11	73	66	46°	46°	40°	50°	0°	1°	209	281	97	90	swb.w 1	1	SW 1	1	10	010	—	Overcast, with a.	
12	56	44	49°	50°	35°	47°	5°	2°	227	311	65	85	WbyS 4	4	WNW 3	3	10	285	—	Overcast, with a.	
13	53	68	47°	48°	36°	50°	5°	3°	209	165	65	72	NW 2	2	Calm	0	2	1	—	—	
14	80	85	37°	44°	30°	47°	2°	2°	177	249	79	85	Calm	0	WNW 1	1	0	10	—	a. Fine and sunny.	
15	91	95	49°	45°	44°	51°	3°	6°	269	271	76	90	SbyE 1	1	WbyS 1	1	7	10	—	—	
16	96	93	45°	47°	41°	50°	1°	1°	267	289	87	90	Calm	0	Calm	0	10	10	—	Overcast and gloomy.	
17	91	87	47°	47°	43°	53°	1°	2°	281	270	87	84	Calm	0	Calm	0	10	10	—	Overcast a. and p.	
18	84	82	45°	49°	43°	56°	1°	2°	271	278	90	80	Calm	0	EbyS 1	1	10	3	—	∞ p.	
19	90	29° 01	46°	43°	42°	54°	2°	2°	268	231	85	81	SEb.E 1	1	nbyw 1	1	10	3	—	∞ p.	
20	97	30° 03	42°	42°	34°	54°	2°	2°	265	222	85	81	NNE 1	1	NNE 1	1	8	2	—	∞ p.	
21	30° 07	30° 10	44°	42°	38°	51°	3°	1°	222	257	76	92	NNE 1	1	NNE 1	1	0	8	—	a. Fine and sunny.	
22	30° 08	29° 07	43°	39°	37°	45°	1°	1°	244	213	87	89	Calm	0	Calm	0	10	0	004	∞ a. and p.	
23	29° 8	77	40°	45°	32°	50°	1°	7°	04	239	294	94	97	Calm	0	WSW 1	1	10	10	—	a.
24	66	56	45°	49°	43°	50°	1°	0°	278	342	92	98	WbyS 1	1	WSW 1	1	10	210	—	Overcast.	
25	46	42	50°	55°	46°	57°	0°	8°	1°	349	395	95	91	S by W 2	2	S 2	2	10	046	Overcast.	
26	47	57	56°	58°	54°	62°	0°	1°	2°	409	426	89	86	S by W 4	4	SSW 3	3	10	092	ga. Overcast day.	
27	64	65	61°	61°	57°	62°	2°	3°	461	444	86	81	SSW 3	3	SSW 4	4	10	185	—	Overcast and breezy.	
28	57	56	58°	55°	54°	61°	1°	1°	2°	451	355	83	82	SSW 5	5	SW 2	2	10	219	—	Overcast, with a.
29	72	68	50°	48°	48°	55°	2°	0°	1°	312	305	86	88	swbyw 1	1	WSW 1	1	9	021	—	Overcast.
30	54	42	48°	46°	44°	52°	1°	1°	311	278	91	90	SSW 1	1	swbyw 1	1	10	292	—	Overcast, with a. a.	
31	29° 41	29° 33	48°	45°	44°	52°	2°	1°	285	275	83	92	SW 3	3	swbyS 1	1	9	10	230	Cloudy and breezy, with showers a.	
Mean	29° 634	29° 633	45°	45°	40°	51°	2°	2°	266	264	83°	84°	1°	1°	1°	1°	8°	6°	2°	462	

HILLINGTON.—OCTOBER 1888.

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. $52^{\circ} 48' N.$

1	29°56	29°41	41°4	40°9	32°2	51°5	3°7	0°5	*188	245	73	90	N	4	W	0°5	0	10	*126	— a. Very fine and sunny. ● ² 5p.
2	*25	*18	42°3	38°5	38°4	43°5	1°5	0°7	*238	210	89	94	NW	1	NW	1	10	8	*055	Overcast, damp, and cold. [∞ ⁰ p.
3	*30	*46	34°2	40°2	28°9	52°4	0°9	0°5	*179	*238	90	96	NW	1	SW	1	8	3	*010	— (mist) a. Fine and sunny.
4	*47	*43	44°2	36°6	36°3	55°4	2°3	1°0	*238	197	82	91	SW	2	NW	2	8	10	*230	Overcast day. ● ² 6p.—9p.
5	*47	*56	40°3	38°9	30°6	49°4	2°4	1°2	*202	*213	81	91	NW	6	W	1	3	0	*004	— a. Fine and sunny, but cold.
6	*71	29°88	40°0	39°6	28°0	48°5	2°3	1°9	*201	*205	82	85	NW	2	NNW	4	3	4	*136	— a. Fine and sunny a. ● ² 5p.
7	29°96	30°05	42°5	41°7	36°3	49°4	3°0	1°9	*211	*225	79	86	NW	4	N	1	0	8	*040	Fine and sunny a.
8	30°10	*08	44°5	34°0	34°0	49°4	2°1	0°3	*247	*189	84	97	NE	1	NE	0°5	6	0	—	Overcast from 11a.
9	30°04	*00	48°3	44°5	32°2	55°4	3°4	0°7	*259	*277	76	95	NE	1	N	1	8	10	*017	— a. Overcast from 3.30p.
10	29°94	30°00	48°0	44°4	44°0	55°5	1°2	3°5	*305	*218	92	74	N	1	N	0°5	10	5	—	Overcast from 3p.
11	30°01	29°97	44°1	45°2	41°4	56°4	0°2	1°5	*285	*266	98	80	SW	1	SW	0°5	10	6	—	— early a. Sunny a. Overcast p.
12	29°87	*69	48°5	50°0	42°4	58°5	1°8	0°5	*296	*348	88	97	SW	3	SW	3	8	10	*010	—
13	29°77	29°90	45°0	41°5	41°2	51°9	3°1	2°3	*231	*214	77	83	W	4	W	1	8	5	—	Overcast from 3.30p.
14	30°00	30°15	44°0	33°1	33°0	49°4	3°1	0°4	*223	*180	76	96	N	4	N	4	10	10	—	—
15	*24	*27	38°2	38°2	27°8	56°4	0°5	0°3	*220	*224	96	97	S	1	S	0°5	3	0	—	— a. Fine and sunny a. Overcast p.
16	*33	*20	41°3	43°5	27°2	52°4	0°0	0°8	*259	*265	100	94	S	1	S	0°5	6	0	—	Overcast.
17	*29	*20	41°0	38°1	37°3	54°5	0°1	0°4	*255	*222	99	96	S	0°5	S	0°5	10	0	—	— 9a.
18	*20	*15	48°0	45°0	33°2	57°4	0°4	1°3	*325	*268	97	90	S	0°5	S	0°5	0	5	—	Fine and sunny a. Overcast p.
19	*21	*24	47°2	40°0	35°7	53°4	2°3	1°3	*271	*220	84	90	SE	3	SE	0°5	0	0	—	Fine and sunny.
20	*30	*34	43°2	38°0	32°2	57°5	1°4	0°5	*248	*218	89	96	SE	0°5	SE	0°5	3	3	—	Fine and sunny.
21	*36	*40	44°0	42°5	29°7	55°4	0°3	0°2	*280	*268	98	98	SE	1	N	1	0	0	—	— a. Fine and sunny.
22	*36	*25	46°0	39°0	36°7	48°4	1°1	0°8	*285	*221	92	94	SE	1	SW	0°5	10	0	—	Overcast all day.
23	*16	30°06	35°1	33°0	31°2	46°4	0°3	0°1	*198	*186	97	99	SW	0°5	SW	0°5	10	0	*017	— a.
24	30°04	29°92	34°9	48°0	29°7	57°5	0°4	2°3	*195	*279	96	84	S	1	SW	2	0	10	—	— a. Fine and sunny.
25	29°87	29°86	50°5	52°0	44°7	61°4	0°8	2°4	*346	*330	95	85	S	2	SW	3	10	4	—	— (mist) a., then fine.
26	29°91	30°01	57°8	57°5	51°6	63°4	1°1	1°6	*444	*425	92	89	SW	4	SW	4	10	10	—	Overcast.
27	30°12	30°11	61°5	59°3	56°7	67°6	2°7	3°3	*457	*403	84	80	SW	5	SW	5	10	10	—	Overcast. Fine later.
28	*06	29°96	56°7	57°7	56°2	64°9	2°9	1°0	*406	*446	83	93	SW	5	SW	5	10	10	*098	Overcast all day. ● ² 6p and 9p.
29	30°09	30°02	52°1	48°1	48°1	58°5	1°0	0°4	*362	*327	93	97	SW	2	SW	1	10	10	*006	Overcast all day.
30	29°92	29°78	47°1	48°4	45°7	50°3	0°4	0°3	*313	*333	97	98	SW	0°5	SW	1	10	10	*063	— (mist) early a.
31	29°82	29°71	45°3	42°5	42°2	53°4	1°1	0°7	*276	*257	92	94	NW	4	SW	0°5	3	0	—	Very fine and sunny.
Mean	29°958	29°943	45°1	43°2	37°6	54°4	1°5	1°1	*272	*262	88°7	91°7	2°2		1°5	6°4	5°2		0°812	

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.

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.	45.8	33.7	32.8	50.4	3.9	3.5	in.	o/o	o/o	W	2	E	1	8	10	ins.	☼ ☉. Cold and bright.		
2	29.08	29.94	45.8	33.7	32.8	50.4	3.9	3.5	1.25	1.29	73	66	E	2	E	2	0	10	0.39	☼ before ga. Cold day.	
3	28.81	29.07	37.8	34.9	31.0	50.6	1.9	1.6	1.89	1.72	84	84	E	1	NW	2	10	0	1	190	☼ (mist) ga. Cold and raw.
4	28.79	29.67	38.8	36.4	33.0	49.1	1.9	0.7	1.98	2.01	84	94	E	2	NW	2	10	0	1	190	☼ (mist) ga. Cold and raw.
5	29.00	29.09	45.8	33.9	30.0	51.3	1.7	2.0	2.68	2.56	88	79	WNW	2	NE	2	10	1	1	190	☼ (mist) ga. Cold and raw.
6	29.11	29.47	44.4	30.0	29.0	48.9	4.0	1.0	2.09	2.09	71	91	NW	3	NW	1	8	5	1	190	Dull and cloudy.
7	29.30	29.54	40.8	38.9	31.0	44.6	1.4	1.0	2.25	2.66	89	83	NW	1	NW	1	10	8	1	190	Dull and cloudy.
8	29.54	29.61	44.9	43.8	32.5	49.4	0.1	0.9	2.64	2.65	99	93	NW	1	NW	1	10	10	1	190	Cold, with ☉.
9	29.63	29.58	46.8	45.2	42.0	51.1	0.5	0.3	3.07	2.94	96	98	NE	1	NW	1	10	10	1	190	Cloudy.
10	29.56	29.56	45.0	37.8	36.2	53.1	2.1	0.9	2.52	2.08	84	92	E	1	NW	1	9	3	1	190	Cloudy and cold.
11	29.52	29.54	49.4	46.0	33.0	57.5	3.3	2.1	2.73	2.62	78	85	SW	1	SW	1	5	10	1	190	Breezy and bright.
12	29.55	29.51	49.4	43.8	37.0	57.1	3.3	1.4	2.73	2.74	78	90	W	1	SW	1	8	8	1	190	Fine and bright, but with cold wind.
13	29.45	29.33	50.4	51.9	44.8	52.5	3.1	1.9	2.88	2.35	80	87	WNW	2	W	2	8	10	1	190	Cloudy.
14	29.36	29.48	47.9	40.2	38.0	52.2	4.2	1.8	2.38	2.13	72	86	N	3	WNW	1	9	9	1	190	—
15	29.61	29.72	41.3	32.4	29.5	51.9	3.9	0.5	1.84	2.12	72	95	N	1	NW	1	2	2	1	190	Fine and bright.
16	29.73	29.78	49.9	50.3	29.0	56.9	3.6	0.4	2.72	2.06	77	96	NW	1	W	1	1	1	1	190	Fine and bright.
17	29.77	29.75	38.3	48.9	32.0	50.1	0.4	0.5	2.24	2.34	97	97	W	1	W	1	10	10	1	190	Cold, dull, and raw.
18	29.67	29.66	41.4	40.8	32.1	56.6	0.5	0.9	2.50	2.35	96	93	SE	1	SW	1	8	9	1	190	Fine and bright.
19	29.62	29.60	48.4	45.2	38.0	57.2	1.5	0.9	3.03	2.80	89	93	SE	2	SE	2	10	0	1	190	☼ (mist) a. and gp.
20	29.66	29.69	45.2	41.9	41.0	54.6	1.3	1.0	2.71	2.43	90	92	E	2	E	1	10	0	1	190	Cold wind.
21	29.75	29.80	44.8	37.8	32.0	54.1	0.1	1.4	2.05	2.09	99	88	E	1	E	1	10	2	1	190	☼ (mist) a. Bright p.
22	29.85	29.90	38.3	36.4	27.3	53.1	1.6	0.5	1.98	2.05	87	95	E	2	E	1	8	10	1	190	☼ (mist) gp.
23	29.87	29.78	43.8	35.9	33.1	53.5	1.9	2.2	2.43	1.70	85	81	SSE	2	NW	1	9	0	1	190	Dull and cloudy a. Bright p.
24	29.70	29.59	42.3	40.8	27.1	53.0	3.4	0.9	2.01	2.35	75	93	SE	1	NW	1	2	8	1	190	—
25	29.49	29.39	45.3	48.9	32.8	52.2	0.6	2.0	2.08	2.96	96	86	SE	1	SE	2	10	10	1	190	Dull and mild.
26	29.30	29.26	54.9	56.9	47.0	60.5	2.9	0.9	3.49	4.36	82	94	SE	3	SW	4	8	10	1	190	Mild and cloudy.
27	29.35	29.44	58.8	59.0	55.0	61.7	1.8	2.0	4.41	4.36	89	88	SSW	2	SSW	4	10	10	1	190	Squally.
28	29.40	29.50	60.1	61.2	58.0	61.9	2.2	2.8	4.47	4.49	87	83	SSW	5	SSW	4	9	8	1	190	—
29	29.44	29.47	58.8	54.7	54.0	62.0	1.6	3.7	4.46	3.28	90	77	SW	3	W	2	10	10	1	190	Stormy, with ☉.
30	29.59	29.53	50.3	50.3	48.0	55.3	2.3	1.8	3.66	3.18	84	88	W	1	W	1	10	10	1	190	Stormy.
31	29.31	29.29	52.9	45.8	44.0	57.6	2.9	1.7	3.24	2.68	81	88	SW	3	W	1	9	1	1	190	Dull day.
Mean	29.458	29.464	46.8	43.1	37.1	54.1	2.2	1.4	2.76	2.56	84.7	88.6	1.8	1.5	8.0	6.3	1.327				

CARMARTHEN.—OCTOBER 1888.

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. $51^{\circ} 52' N.$

1	29° 51'	29° 27'	51° 7'	36° 6'	35° 9'	55° 2'	5° 6'	0° 8'	*251	*201	66	93	N	SE	4	6	10	*350	☉ after dark.	
2	'17	'01	47° 8'	37° 2'	29° 7'	55° 2'	5° 9'	0° 8'	*207	*208	63	95	N	SE	0	0	8	*320	Fine day.	
3	'12	'44	51° 9'	39° 9'	37° 0'	53° 5'	4° 3'	1° 8'	*270	*210	73	86	E	1	Caln	0	1	0	—	
4	'44	'51	47° 8'	39° 9'	31° 5'	55° 7'	2° 1'	3° 5'	*281	*180	85	73	W	1	NW	2	8	4	*120	
5	'57	'56	46° 6'	41° 5'	35° 4'	51° 9'	4° 9'	1° 6'	*214	*227	67	88	W	4	W	2	6	5	*370	
6	'71	'93	42° 9'	39° 9'	37° 5'	50° 9'	2° 0'	2° 2'	*233	*202	84	83	N	1	Caln	0	4	10	*060	
7	29° 08'	'08	49° 7'	48° 8'	37° 3'	54° 0'	2° 9'	0° 7'	*286	*327	81	95	NW	2	Caln	0	10	10	*720	
8	30° 00'	'06	52° 9'	49° 7'	47° 5'	55° 1'	1° 7'	1° 2'	*355	*325	88	92	N	1	Caln	0	10	10	*010	
9	29° 02'	'02	51° 3'	41° 5'	41° 2'	54° 4'	3° 3'	0° 6'	*295	*248	78	95	N	1	Caln	0	6	0	—	
10	'03	'03	41° 9'	40° 7'	31° 5'	56° 7'	0° 6'	0° 6'	*253	*307	95	96	Caln	0	Caln	0	9	10	*060	
11	'05	'04	57° 6'	45° 8'	44° 3'	60° 6'	4° 7'	1° 1'	*346	*283	73	92	NW	1	NW	1	6	8	—	
12	'89	'76	50° 9'	52° 3'	41° 9'	53° 1'	2° 5'	1° 7'	*308	*340	83	88	NW	1	W	2	10	10	*050	
13	29° 77'	29° 86'	50° 7'	41° 9'	41° 9'	53° 6'	4° 6'	2° 0'	*260	*224	71	85	N	3	N	1	7	1	—	
14	30° 01'	30° 08'	48° 0'	39° 2'	30° 7'	54° 2'	4° 5'	1° 3'	*233	*214	70	89	Caln	0	Caln	0	0	0	—	
15	'16	'15	48° 5'	40° 9'	29° 4'	50° 2'	4° 3'	1° 2'	*242	*231	71	91	Caln	0	Caln	0	0	3	—	
16	'16	'10	42° 3'	40° 8'	35° 9'	51° 8'	0° 9'	0° 5'	*250	*307	93	96	Caln	0	Caln	0	10	9	—	
17	30° 09'	30° 01'	43° 9'	45° 8'	37° 3'	56° 1'	0° 8'	1° 1'	*269	*283	94	92	E	1	NE	1	7	8	—	
18	29° 06'	29° 02'	56° 7'	50° 5'	44° 7'	61° 2'	4° 3'	3° 1'	*340	*289	74	79	E	3	N	1	2	4	—	
19	29° 08'	29° 08'	50° 6'	48° 8'	47° 8'	60° 0'	2° 8'	3° 1'	*298	*271	81	78	E	1	E	2	6	7	—	
20	30° 05'	30° 08'	53° 2'	48° 5'	39° 4'	60° 5'	6° 2'	3° 2'	*255	*225	63	67	E	2	E	2	2	5	—	
21	'15	'17	52° 7'	44° 8'	38° 3'	60° 7'	4° 0'	3° 4'	*296	*224	76	75	E	1	E	1	2	0	—	
22	'20	30° 15'	50° 4'	41° 1'	38° 0'	59° 0'	4° 3'	1° 6'	*263	*224	73	87	E	1	E	1	1	0	—	
23	30° 08'	29° 06'	53° 7'	36° 9'	29° 3'	59° 4'	5° 1'	0° 3'	*284	*214	69	97	Caln	0	Caln	0	0	0	—	
24	29° 88'	'72	48° 2'	52° 4'	32° 8'	56° 9'	0° 6'	1° 2'	*322	*361	96	91	Caln	0	Caln	0	10	10	*070	
25	'64	'61	55° 3'	55° 7'	51° 8'	58° 0'	0° 5'	0° 1'	*422	*441	97	99	SW	4	SW	3	10	10	—	
26	'73	'80	57° 3'	58° 0'	55° 3'	60° 0'	0° 5'	0° 5'	*461	*465	98	97	SW	5	SW	5	10	10	*270	
27	'89	'90	58° 2'	50° 8'	56° 8'	60° 2'	0° 7'	1° 3'	*464	*470	96	92	SW	5	SW	7	10	10	*480	
28	'81	'84	57° 1'	56° 5'	55° 4'	60° 2'	0° 3'	1° 5'	*457	*409	98	90	S	4	SW	2	10	10	*450	
29	'97	'88	50° 7'	52° 3'	49° 4'	56° 7'	0° 4'	0° 7'	*360	*375	97	96	Caln	0	Caln	0	10	10	*920	
30	'72	'72	50° 3'	46° 0'	45° 4'	56° 3'	0° 7'	1° 1'	*346	*285	95	92	Caln	0	Caln	0	8	0	*010	
31	29° 70'	29° 47'	53° 7'	44° 4'	42° 9'	55° 3'	2° 9'	0° 3'	*334	*286	81	98	SW	2	SW	1	7	6	*130	
Mean	29° 54.2	29° 82.6	50° 18	46° 1	40° 4	56° 6	2° 9	1° 5	*305	*286	81.3	89.3		1° 5		1° 2	6° 1	6° 1	3° 900	
																				☉ showers.

MARGATE.—OCTOBER 1888.

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.

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.												
	ins.	ins.	°	'	°	'	°	'	in.	in.	%	%					ins.					
1	29° 60	29° 44	43° 9	41° 0	37° 5	51° 0	2° 9	2° 0	225	216	78	84	W	2	SW	1	7	0	—	Fine, but cold.		
2	'22	'17	50° 3	46° 0	37° 7	54° 8	3° 3	1° 3	283	280	78	91	SW	1	S	1	9	10	'020	— a. Unsettled.		
3	'32	'42	46° 4	45° 1	33° 5	50° 8	3° 6	0° 4	235	290	76	97	Calm	0	Calm	0	7	10	'300	— a. 2 p.		
4	'53	'42	45° 7	46° 2	42° 9	51° 8	1° 9	1° 9	264	268	87	87	SW	1	W	4	7	10	'060	Dull p.		
5	'06	'63	43° 2	40° 1	32° 2	50° 8	3° 7	2° 1	204	206	74	83	W	4	W	3	0	0	—	a. Bright and sunny, but cool.		
6	'72	29° 84	43° 0	42° 9	35° 2	50° 0	1° 9	1° 9	236	235	85	85	W	2	SW	4	6	4	—	Dull and cold.		
7	29° 97	30° 04	41° 1	45° 2	39° 1	49° 8	3° 3	3° 6	193	224	76	75	NW	3	NW	4	7	0	—	Fine, with ☁. Pretty cir. clouds.		
8	30° 09	30° 03	47° 2	47° 5	43° 3	51° 3	4° 0	2° 3	235	274	73	84	N	3	E	3	0	3	'030	Fine and clear. ☀ in evening.		
9	29° 09	29° 02	50° 9	49° 0	46° 3	53° 8	6° 1	4° 0	231	254	63	73	NE	2	NE	4	4	10	'010	Fine day.		
10	27° 03	30° 02	48° 4	49° 9	48° 1	53° 1	1° 7	1° 1	297	330	88	93	NE	3	Calm	0	10	10	—	Dull, with ☁.		
11	30° 03	30° 02	49° 2	44° 0	43° 6	55° 8	1° 0	1° 2	324	261	93	90	Calm	0	W	1	10	0	—	☁ all day.		
12	29° 04	29° 78	49° 9	51° 1	42° 1	60° 1	2° 8	3° 1	290	297	82	79	SW	2	SW	2	5	10	'080	—		
13	29° 75	29° 87	47° 8	45° 9	45° 3	52° 8	4° 6	3° 9	230	225	69	74	NW	3	NW	3	0	1	—	Fine day.		
14	30° 01	30° 16	44° 7	46° 0	42° 1	50° 0	2° 5	4° 0	240	224	81	73	N	3	NW	2	2	0	—	Very fine.		
15	'24	'28	43° 6	40° 9	33° 0	49° 0	2° 3	1° 1	232	232	82	91	NW	2	Calm	0	10	8	—	— a. Dull, with ☁.		
16	'31	'26	48° 1	45° 7	39° 3	53° 8	2° 8	1° 0	269	284	80	93	SW	1	SW	1	10	10	—	Dull day.		
17	'23	'21	50° 1	45° 1	42° 2	54° 4	2° 8	0° 5	292	288	81	96	SW	1	Calm	0	3	0	'010	Fine and bright. — p.		
18	'19	'17	51° 1	45° 3	40° 1	52° 0	1° 1	0° 8	346	318	92	95	Calm	0	SE	1	10	8	—	☁ a., then dull.		
19	'20	'24	49° 8	47° 4	39° 8	52° 0	3° 4	4° 6	275	225	77	70	S	1	SE	2	3	0	—	Fine and bright.		
20	'30	'32	45° 6	46° 1	38° 1	50° 2	4° 8	3° 1	205	242	68	78	E	1	E	1	1	4	—	— a. Fine, clear and bright.		
21	'34	'34	49° 8	48° 1	36° 9	53° 3	4° 0	2° 5	263	276	74	82	SSE	1	SE	1	0	0	—	— a. Very fine.		
22	'38	'33	49° 6	47° 0	44° 4	51° 4	2° 0	2° 8	305	258	86	80	NE	2	E	1	10	10	—	Fine day.		
23	'25	30° 12	44° 6	41° 1	41° 1	54° 4	2° 4	0° 1	240	256	82	99	Calm	0	SE	1	2	5	'010	Very fine.		
24	30° 04	29° 08	44° 6	44° 5	36° 2	57° 0	0° 0	0° 7	295	277	100	95	S	1	SW	1	6	0	'010	☁ 2 ☁ a. Very fine.		
25	29° 04	29° 02	53° 2	55° 0	42° 9	59° 0	2° 1	2° 6	348	360	86	83	S	2	S	1	0	9	—	—		
26	30° 02	30° 15	58° 0	56° 8	51° 1	61° 1	1° 8	1° 7	427	412	88	89	SSW	3	SW	3	10	0	—	Dull and mild.		
27	'19	'24	60° 0	59° 0	54° 9	67° 0	2° 0	3° 0	453	407	88	82	SSW	3	SW	3	9	0	—	Beautiful sunset.		
28	'21	'09	50° 5	60° 8	53° 9	63° 7	3° 3	5° 5	406	369	80	70	S	3	SW	3	1	10	'100	☁ before 9 a. Fine day.		
29	30° 17	30° 08	54° 6	49° 1	48° 3	61° 0	0° 8	0° 1	403	346	95	99	SW	2	SW	0	10	10	'590	—		
30	29° 09	29° 87	50° 7	50° 1	48° 9	55° 9	0° 4	0° 9	360	338	97	93	NE	2	SW	3	10	0	'360	☀ 2 a.		
31	29° 03	29° 77	50° 1	48° 1	44° 3	51° 0	2° 4	1° 3	301	304	81	91	SW	3	Calm	0	8	0	'010	—		
Mean	29° 084	29° 071	48° 9	47° 5	42° 1	54° 3	2° 6	2° 1	287	283	82° 0	85° 6					1° 8	1° 7	5° 7	4° 6	1° 590	

SOUTHAMPTON.—OCTOBER 1888.

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. $50^{\circ} 55' N.$

1	29°66	29°44	51°0	43°3	40°7	56°8	5°7	1°1	*283	*256	76	92	NW	0°5	SW	1	6	1	*010	Beautiful day. ☁ n. [☁ n.
2	*25	*24	42°8	36°7	36°4	47°6	0°9	1°1	*256	*196	93	90	NW	2	NW	1	10	0	*080	Dull and cold a. ☁ ga.—11a., then fine.
3	*27	*49	49°2	43°7	31°4	53°8	1°6	0°7	*310	*269	89	94	E	1	N	1°5	7	10	*007	☁ ² 6a. Beautiful, but cool a. ☁ n.
4	*61	*53	46°1	38°7	35°3	57°2	2°1	0°8	*264	*220	85	94	W	1°5	NE	3°5	9	10	*104	☁ ² a. Beautiful a. ☁ ² sp.
5	*71	*70	44°9	38°6	30°5	54°6	3°9	1°4	*215	*207	72	89	W	3	NW	1	0	0	—	Beautiful day. ☁ n.
6	29°79	29°96	45°4	37°1	31°1	55°4	3°0	2°1	*238	*181	79	82	NW	1°5	NW	3	0	0	*027	☁ early a. Beautiful a. ☁ n.
7	30°08	30°11	40°3	37°2	31°3	50°4	2°4	0°8	*201	*206	81	93	NW	0°5	NE	0°5	4	0	—	Beautiful a. and p. ☁ n.
8	*15	*07	46°2	45°3	32°1	55°2	2°3	2°5	*261	*247	84	82	W	0°3	N	0°5	4	10	—	☁ ² a. Fine and pleasant.
9	*05	*02	48°6	39°9	34°2	57°5	3°8	1°2	*254	*222	74	91	NE	1°5	NE	0°5	0	0	—	Beautiful day. ☁ n.
10	*02	*04	48°7	43°7	34°5	62°1	2°4	0°6	*286	*271	83	95	NNW	0°5	NW	1	4	0	—	☁ a. and p. Beautiful day.
11	*07	30°06	50°0	44°1	43°1	62°7	1°9	0°9	*312	*269	87	93	NNW	1	Calm	0	10	0	—	☁ a. and p. Beautiful day.
12	30°02	29°90	52°6	51°6	41°8	61°6	2°4	2°3	*332	*323	83	84	SW	2	SW	3	3	10	*090	☁ ² a. Beautiful day.
13	29°84	29°94	52°0	43°1	43°1	55°7	3°9	2°1	*289	*233	75	83	N	3°5	NE	1	2	0	—	☁ ² early a. Beautiful day.
14	30°11	30°21	44°0	36°8	31°4	53°1	4°2	1°4	*202	*192	70	89	NE	0°5	Calm	0	0	0	—	☁ a. and p. Beautiful day.
15	*30	*33	38°7	41°7	28°9	59°1	1°0	0°7	*216	*249	92	94	Calm	0	Calm	0	1	0	—	☁ ² a. Beautiful day.
16	*31	*27	39°7	47°8	34°3	53°9	0°5	0°8	*234	*312	96	94	NE	0°5	NE	0°5	10	10	—	☁ ² a. Dull, with ☁ all day.
17	*22	*19	42°3	43°0	37°8	60°0	0°2	0°7	*265	*262	99	94	NE	0°1	NE	0°1	10	1	—	Fine day throughout. ☁ ² n.
18	*16	*13	51°8	45°1	38°0	66°4	0°9	0°8	*361	*281	93	93	SE	0°2	NE	0°5	1	10	—	Beautiful day throughout.
19	*15	*16	51°3	45°4	44°1	58°9	2°4	1°7	*318	*264	83	88	E	2	E	0°5	0	0	—	Beautiful day. ☁ n.
20	*24	*28	48°3	45°1	36°9	58°7	2°7	3°5	*274	*228	81	76	E	1	Calm	0	2	8	—	Beautiful day, but cool. ☁ ² p.
21	*31	*32	48°1	41°1	36°9	60°2	2°9	1°7	*266	*222	79	86	NE	1	NE	0°5	3	0	—	Beautiful day throughout. ☁ ² n.
22	*35	*32	45°9	44°0	37°2	57°8	0°8	0°0	*290	*288	95	100	NE	2	Calm	0	10	9	—	☁ ² a. and p. Fine day.
23	*25	30°14	45°4	39°5	39°3	55°1	0°9	0°7	*283	*228	94	94	WNW	1	SSW	0°5	10	10	—	☁ ² a. and p. Fine day.
24	30°08	29°98	40°0	48°2	34°6	50°2	0°1	0°3	*245	*330	99	98	SW	1	SSE	1	9	10	*018	☁ a. and p. Day dull, with ☁ ² .
25	29°91	29°90	55°0	56°8	48°1	59°8	1°0	1°0	*419	*432	94	94	SW	2	SW	2	9	10	*039	Fine day.
26	29°98	30°10	58°3	57°8	56°4	62°8	0°6	1°1	*468	*459	96	93	SW	4	SW	3	10	0	*008	Fine day.
27	30°20	*31	59°7	60°1	58°1	67°6	1°3	0°6	*470	*500	92	96	SW	4	SW	1	10	1	—	Fine day throughout.
28	*16	*11	60°0	58°3	56°3	65°1	2°9	0°3	*440	*477	83	98	SW	3	SW	4	9	10	*342	Fine a. ☁ ² p. ☁ ² from 4p.
29	30°17	30°06	55°8	50°7	50°2	59°3	0°5	0°5	*431	*358	96	96	SW	1	ENE	1	10	10	*605	☁ till 3a. Day dull, with ☁.
30	30°88	29°91	48°8	49°8	48°2	53°9	0°0	0°9	*345	*335	100	93	NE	3	WSW	2	10	0	*333	Dull, with ☁ a. Fine and clear p.
31	29°93	29°78	40°7	48°3	45°1	56°0	1°1	1°1	*329	*311	92	92	SW	2	SW	1	5	7	—	☁ ² a. and p. Fine day throughout.
Mean	30°007	29°996	48°5	45°3	39°6	57°3	1°9	1°1	*302	*285	86°9	91°3	1°5		1°1	5°8	4°4	1°663		

BABBACOMBE.—OCTOBER 1888.

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.

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	29.44	29.19	50.7	41.2	41.2	56.4	3.8	1.2	in.	in.	%	%	WSW 1	WSW 1	3	1	ins. showers noon.—s p. (mist) p.
2	29.05	29.03	41.1	38.2	38.2	51.7	2.2	1.8	.276	.233	74	91	N 3	SW 2	7	3	ins. showers noon.—s p. (mist) p.
3	29.01	29.00	50.0	47.2	38.2	55.4	3.7	3.3	.271	.249	76	77	WSW 2	NNE 4	8	7	ins. showers noon.—s p. (mist) p.
4	29.40	29.34	46.8	41.7	37.4	54.0	2.5	2.9	.262	.205	82	79	WSW 2	N 4	7	3	ins. showers noon.—s p. (mist) p.
5	29.51	29.49	47.3	38.1	33.3	52.0	4.5	1.2	.227	.206	70	89	WSW 2	WNW 2	1	1	ins. showers noon.—s p. (mist) p.
6	29.58	29.78	49.6	39.9	38.0	53.4	4.4	4.1	.252	.170	71	69	NNW 3	NNW 4	2	0	ins. showers noon.—s p. (mist) p.
7	29.89	29.89	50.1	49.0	35.6	57.1	4.0	1.2	.260	.317	74	92	NW 2	NW 2	4	9	ins. showers noon.—s p. (mist) p.
8	29.89	29.84	48.9	47.8	45.5	51.1	0.8	2.8	.325	.266	95	80	Calmo	NNE 2	10	10	ins. showers noon.—s p. (mist) p.
9	29.80	29.80	48.2	39.7	39.7	55.0	4.1	1.1	.243	.222	73	91	ENE 3	NW 1	8	0	ins. showers noon.—s p. (mist) p.
10	29.81	29.84	46.1	47.7	36.5	58.9	1.1	1.7	.285	.289	92	88	WNW 1	WNW 1	10	10	ins. showers noon.—s p. (mist) p.
11	29.84	29.85	50.6	45.3	45.3	59.5	1.5	1.2	.320	.274	90	91	Calmo	WNW 2	10	10	ins. showers noon.—s p. (mist) p.
12	29.81	29.72	50.3	50.9	43.4	59.4	3.4	2.7	.357	.304	79	82	SW 3	W 3	8	10	ins. showers noon.—s p. (mist) p.
13	29.64	29.73	51.4	44.1	44.1	57.7	3.6	3.1	.289	.223	77	77	N 3	NNW 3	9	3	ins. showers noon.—s p. (mist) p.
14	29.87	29.95	46.9	38.1	34.3	53.0	3.9	1.2	.234	.206	74	89	SSW 1	WNW 1	0	0	ins. showers noon.—s p. (mist) p.
15	30.06	30.06	50.0	42.7	36.5	55.7	3.9	1.3	.267	.245	75	89	WSW 1	WNW 2	1	2	ins. showers noon.—s p. (mist) p.
16	30.04	30.00	45.0	47.7	37.4	52.8	0.9	1.2	.278	.302	93	92	NE 1	WSW 1	10	10	ins. showers noon.—s p. (mist) p.
17	29.96	29.91	47.8	51.2	43.5	54.5	0.8	2.3	.312	.317	94	84	Calmo	SE 2	10	4	ins. showers noon.—s p. (mist) p.
18	29.85	29.82	55.6	53.5	50.9	58.5	4.2	2.4	.320	.344	74	84	SE 3	ESE 3	4	3	ins. showers noon.—s p. (mist) p.
19	29.85	29.85	54.8	52.7	52.3	57.5	2.9	2.7	.349	.327	81	82	ESE 4	E 4	3	3	ins. showers noon.—s p. (mist) p.
20	29.91	29.97	53.1	53.1	50.4	54.4	3.5	3.2	.312	.319	77	77	E 5	ESE 4	8	2	ins. showers noon.—s p. (mist) p.
21	30.02	30.04	52.7	51.0	50.2	56.7	2.3	3.1	.336	.296	84	79	E 3	ENE 3	2	1	ins. showers noon.—s p. (mist) p.
22	30.08	30.04	44.2	50.8	42.9	52.5	0.6	1.9	.276	.322	95	86	NE 2	E 2	10	8	ins. showers noon.—s p. (mist) p.
23	29.98	29.88	51.3	45.7	39.3	56.6	1.4	0.5	.340	.295	90	96	ENE 1	WSW 1	1	0	ins. showers noon.—s p. (mist) p.
24	29.81	29.70	47.8	54.5	39.8	54.5	0.0	0.5	.333	.410	100	97	WSW 1	SSW 2	10	10	ins. showers noon.—s p. (mist) p.
25	29.62	29.61	55.1	56.8	53.2	57.2	0.6	0.7	.416	.441	96	95	S 4	SW 5	10	10	ins. showers noon.—s p. (mist) p.
26	29.70	29.83	58.5	58.7	56.0	59.6	0.5	0.7	.473	.472	97	96	SW 5	SSW 5	10	10	ins. showers noon.—s p. (mist) p.
27	29.90	29.92	59.9	59.2	58.0	61.0	1.9	1.0	.454	.470	89	94	SW 5	SSW 5	10	10	ins. showers noon.—s p. (mist) p.
28	29.86	29.86	59.0	56.0	56.0	62.6	2.9	0.2	.410	.443	83	99	SW 5	SW 3	10	10	ins. showers noon.—s p. (mist) p.
29	29.92	29.82	53.7	50.8	50.4	56.3	0.5	0.5	.399	.358	96	96	SW 2	ESE 1	10	10	ins. showers noon.—s p. (mist) p.
30	29.63	29.70	50.0	47.8	47.5	56.2	0.1	1.4	.358	.298	99	90	NE 2	WSW 3	10	2	ins. showers noon.—s p. (mist) p.
31	29.69	29.52	49.3	46.6	44.0	53.9	1.3	0.7	.318	.301	91	95	SW 3	SW 1	9	6	ins. showers noon.—s p. (mist) p.
Mean	29.755	29.751	50.7	48.0	43.8	56.0	2.3	1.7	.316	.301	84.6	89.5	2.4	2.5	6.9	5.1	1.670

LONDONDERRY.—OCTOBER 1888.

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.

Long. 19° W. Lat. 55° 0' N.

	29° 03'	29° 54'	42° 2'	38° 7'	37° 0'	49° 2'	1° 6'	1° 8'	235	200	88	85	NE 1	NW 3	10	1	110	☉ showers.
2	29° 18'	29° 18'	43° 7'	45° 1'	35° 7'	50° 5'	1° 7'	1° 1'	247	274	86	91	NW 1	NW 2	9	10	150	☉ ☽ showers all day.
3	29° 44'	29° 38'	45° 2'	44° 3'	39° 8'	57° 8'	2° 3'	1° 1'	249	266	83	92	NE 2	NW 2	1 <th>0</th> <th>070</th> <th>Fine and clear all day.</th>	0	070	Fine and clear all day.
4	29° 46'	29° 63'	45° 2'	38° 8'	35° 3'	48° 1'	0° 8'	1° 4'	283	209	94	89	NE 2	WNW 2 <th>10</th> <th>4</th> <th>230</th> <th>☉ ☽ showers all day.</th>	10	4	230	☉ ☽ showers all day.
5	29° 74'	29° 74'	42° 4'	40° 2'	37° 9'	48° 8'	2° 5'	1° 2'	219	224	81	90	N 2	NNW 1	5	3	230	☉ ☽ showers during day.
6	29° 95'	29° 12'	41° 2'	41° 2'	37° 0'	48° 5'	1° 3'	0° 8'	231	242	90	94	NE 2	N 2	6	0	100	☉ ☽ showers all day.
7	30° 12'	30° 15'	49° 2'	48° 7'	40° 0'	52° 0'	0° 8'	0° 3'	329	336	95	98	N 2	NW 1	10	10	110	☉ ☽ showers during day.
8	29° 17'	29° 12'	51° 0'	47° 9'	46° 5'	55° 5'	0° 9'	0° 5'	351	320	94	97	SW 2	NW 1	10	10	040	☉ ☽ showers during day.
9	29° 08'	29° 07'	48° 2'	47° 4'	45° 0'	56° 5'	0° 3'	0° 5'	330	315	98	96	SE 1	SW 1	7	10	—	☉ ☽ showers during day.
10	29° 06'	29° 08'	44° 7'	46° 3'	41° 9'	56° 7'	0° 0'	0° 4'	296	305	100	97	SW 2	SW 1	6	0	010	☉ ☽ showers during day.
11	30° 06'	29° 96'	48° 6'	50° 7'	48° 7'	52° 2'	1° 7'	1° 8'	300	324	88	87	SW 1	SW 2	10	10	030	☉ ☽ showers.
12	29° 85'	29° 87'	52° 0'	47° 7'	45° 0'	54° 7'	0° 7'	2° 6'	369	269	95	82	SW 3	SW 2	10	9	050	☉ ☽ showers.
13	30° 01'	30° 10'	47° 2'	42° 7'	40° 0'	49° 5'	4.3	2.8	229	216	71	79	NW 2	N 1	9 <th>0</th> <th>—</th> <th>Fine all day.</th>	0	—	Fine all day.
14	29° 17'	29° 18'	40° 7'	48° 7'	36° 5'	51° 7'	1° 4'	2° 6'	224	281	88	82	WSW 2	W 2	2	9	—	☉ ☽ showers.
15	29° 22'	29° 23'	49° 6'	46° 9'	42° 0'	52° 9'	1° 8'	1° 0'	309	297	88	93	SW 2	SW 1	10	10	—	Fine all day.
16	29° 21'	29° 19'	46° 9'	47° 3'	41° 5'	53° 1'	1° 7'	0° 7'	281	309	88	95	SW 1	SW 1	10	10	—	☉ ☽ showers.
17	30° 14'	30° 05'	48° 4'	51° 7'	40° 2'	55° 1'	1° 5'	2° 7'	303	314	89	82	SE 2	SW 3	10	10	040	☉ ☽ at night.
18	29° 98'	29° 94'	52° 7'	53° 7'	49° 0'	57° 0'	2° 3'	3° 3'	336	324	84	78	SE 2	SW 2	10	10	010	☉ ☽ at night.
19	30° 02'	30° 14'	54° 5'	50° 9'	50° 0'	58° 5'	2° 6'	1° 0'	352	347	83	93	SE 2	SE 1	4	0	—	Fine all day.
20	29° 25'	29° 28'	46° 9'	40° 7'	40° 0'	62° 3'	0° 7'	0° 8'	304	237	95	93	SE 2	SE 1	4	0	—	Fine all day.
21	29° 31'	29° 33'	46° 6'	42° 7'	39° 0'	60° 3'	1° 8'	1° 8'	276	235	88	85	NE 1	SE 1	2	2	—	Fine all day.
22	29° 32'	29° 30'	45° 2'	40° 7'	37° 9'	56° 3'	1° 3'	0° 8'	271	300	90	94	NE 2	SW 2	10	3	—	☉ ☽ showers.
23	30° 14'	30° 02'	41° 7'	44° 7'	38° 5'	52° 0'	0° 2'	0° 3'	260	289	98	97	SW 1	WSW 1	10	10	—	☉ ☽ showers.
24	29° 86'	29° 70'	48° 7'	53° 4'	41° 5'	54° 6'	1° 4'	1° 6'	309	363	90	89	SW 1	SW 2	10	10	070	☉ ☽ at night.
25	29° 50'	29° 43'	54° 7'	56° 7'	51° 3'	60° 0'	1° 8'	1° 6'	376	412	88	90	SW 2	SW 3	10	10	210	☉ ☽ at night.
26	29° 54'	29° 53'	57° 2'	60° 7'	54° 0'	61° 5'	2° 3'	1° 8'	400	472	85	89	S 2	S 4	4	10	050	☉ ☽ Stormy ☉ ☽ showers.
27	29° 58'	29° 60'	63° 6'	61° 6'	59° 5'	64° 7'	3° 3'	3° 2'	476	444	81	81	SW 4	SW 4	10	9	310	☉ ☽ Overcast and stormy all day.
28	29° 52'	29° 70'	59° 7'	49° 7'	48° 0'	62° 0'	1° 6'	1° 8'	460	311	91	87	S 2	S 2	7	0	200	☉ ☽ showers all day.
29	29° 85'	29° 85'	47° 7'	46° 7'	45° 0'	54° 0'	1° 8'	0° 8'	287	300	87	94	S 2	S 2	7	0	100	Fine all day.
30	29° 62'	29° 54'	48° 6'	43° 7'	43° 7'	52° 0'	0° 8'	0° 8'	322	267	95	93	WSW 1	SW 3	10	10	240	☉ ☽ showers all day.
31	29° 56'	29° 57'	47° 7'	44° 6'	43° 0'	52° 0'	1° 8'	1° 6'	287	258	87	88	S 2	W 2	7	5	100	☉ ☽ showers all day.
Mean	29° 588	29° 890	48° 4	47° 4	42° 8	54° 8	1° 6	1° 4	306	299	89° 0	89° 7	1° 8	1° 9	8° 0	6° 6	2° 460	☉ ☽ showers all day.

ARMAGH.—OCTOBER 1888.

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.

Day.	Barometer at 52° 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.	42.1	32.9	32.2	48.4	0.6	0.6	in.	in.	%	%	W	1	N	0.5	10	3	ins.
2	29.47	29.40	42.1	32.9	32.2	48.4	0.6	0.6	.255	.176	95	93	W	1	N	0.5	10	3	.015
3	29.14	29.00	43.5	40.7	30.1	47.5	2.5	0.5	.229	.243	80	96	WNW	1	NNW	0.5	9	5	.332
4	29.31	29.45	48.1	39.0	38.4	53.5	4.1	1.0	.242	.218	72	92	N	1	NNE	1	8	3	.040
5	29.30	29.51	44.3	33.7	32.8	46.5	1.5	1.5	.258	.163	88	84	SW	2	W	1	9	5	.005
6	29.50	29.59	43.2	34.7	31.9	48.6	3.2	0.8	.213	.186	77	93	WNW	1	WNW	0.5	6	8	.050
7	29.81	29.97	44.0	41.0	34.0	44.5	3.3	1.8	.259	.219	90	86	NNW	1	NW	1	9	10	.078
8	29.99	30.01	47.2	46.7	36.8	53.6	1.7	0.9	.285	.298	89	94	NW	1	NW	1	10	10	—
9	29.03	29.08	52.2	46.7	45.0	58.3	3.1	0.9	.311	.298	80	94	W	0.5	NW	0.5	10	10	—
10	29.94	29.94	51.4	46.5	43.0	55.6	2.9	0.8	.307	.298	81	94	NW	0.5	Calm	0	10	9	.005
11	29.92	29.94	52.0	42.3	42.1	56.6	2.9	0.5	.313	.260	81	96	NW	0.5	NNW	0.5	10	9	—
12	29.94	29.84	49.6	48.6	41.4	53.5	3.4	2.4	.273	.285	77	83	WNW	0.5	WSW	1	10	10	—
13	29.76	29.74	53.0	45.1	44.9	55.5	2.3	1.5	.340	.265	84	88	WSW	1	NW	1	10	5	—
14	29.84	29.94	46.3	38.1	37.7	50.3	3.8	1.2	.232	.205	74	89	NNW	1	N	0.5	9	0	—
15	30.04	30.07	45.6	45.8	33.0	54.8	3.0	2.6	.240	.250	79	81	SW	1	WSW	1	0	10	—
16	29.12	29.11	48.0	44.9	41.0	53.7	3.1	2.1	.261	.251	78	85	SW	1	WSW	0.5	10	10	—
17	29.09	29.07	46.6	45.5	40.7	51.6	1.6	0.7	.280	.289	89	95	SSW	0.5	SSW	1	10	7	.015
18	29.02	29.04	45.5	50.2	33.8	53.7	1.7	1.2	.266	.332	88	92	Calm	0	SSE	1	10	10	.092
19	29.87	29.84	53.0	53.2	48.7	56.7	2.1	2.5	.345	.338	85	83	SSE	1	SSE	3	10	10	—
20	29.93	29.91	53.6	47.8	47.2	57.4	2.6	1.2	.339	.303	82	91	SSE	1	SSE	0.5	10	8	.004
21	30.10	30.13	47.1	39.6	39.0	57.3	0.3	0.1	.317	.242	98	99	E	0.5	ENE	0.5	10	0	.005
22	29.17	29.19	47.5	46.7	34.8	56.4	2.0	2.0	.281	.272	86	86	ENE	1	ESE	1	3	4	—
23	29.18	29.09	40.1	44.6	30.9	56.6	0.2	0.8	.244	.276	98	94	ESE	0.5	SSE	1	10	8	—
24	29.03	29.00	40.4	43.7	38.1	45.4	0.0	0.0	.251	.285	100	100	SSW	1	SW	1	10	10	—
25	29.75	29.60	49.7	52.9	43.0	57.3	3.8	1.3	.267	.364	74	91	SSW	1	S	2	10	10	—
26	29.42	29.36	55.0	56.7	51.5	60.7	1.3	1.9	.410	.405	92	88	S	3	S	3	10	10	.050
27	29.48	29.46	59.0	59.9	56.1	62.5	2.4	1.1	.424	.480	86	94	S	3	S	3	10	10	.038
28	29.52	29.55	62.6	61.5	59.4	64.2	2.6	2.3	.479	.470	84	86	S	5	SSW	3	9	10	.085
29	29.45	29.60	59.3	51.0	50.0	61.8	1.5	2.4	.457	.313	91	84	S	5	SW	4	10	2	.070
30	29.77	29.77	50.7	46.7	45.0	53.6	2.6	1.0	.305	.275	83	87	SSW	4	SSW	1	7	7	.265
31	29.52	29.47	50.0	45.2	44.7	53.5	2.0	1.4	.309	.260	86	90	S	3	SW	4	9	0	.035
32	29.48	29.44	50.0	42.5	42.0	53.2	2.9	0.7	.288	.257	81	94	SW	3	SW	1	3	9	.030
Mean	29.770	29.771	49.1	45.6	40.9	54.3	2.2	1.3	.299	.283	84.8	90.4	1.5	1.3	8.7	7.2	1.214		

DUBLIN (PHENIX PARK).—OCTOBER 1888.

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.

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.	44°	35°	34°	45°	2°	1°	in.	in.	WSW 3	NNE 1	9	0	ins.	Dull a. Cloudy p. ● 10a.—2p.
2	29°53	29°44	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Cloudy a. ● showers p.
3	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Cloudy, with ● showers a. ● a.
4	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Cloudy, with ● showers. [Bright p.
5	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Beautiful day.
6	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Cloudy day. ● shower p.
7	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Bright a. Dull, with ● showers p.
8	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull and cloudy.
9	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull and cloudy. ● p.
10	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull and cloudy.
11	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull a. Cloudy p. ● 2.
12	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull and cloudy. ● p.
13	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Bright a. Cloudy p.
14	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Beautiful day.
15	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Beautiful day. ● p.
16	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Beautiful day. ● p.
17	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Dull, with ● a. Cloudy, with ● p.
18	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. Dull and cloudy. [p.
19	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● p.
20	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● till 11p.
21	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	Bright a. Cloudy p.
22	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day.
23	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
24	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
25	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
26	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
27	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
28	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
29	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
30	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
31	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.
Mean	29°52	29°45	44°	35°	34°	45°	2°	1°	235	180	WSW 3	W 2	4	2	230	● a. and p. Beautiful day 10a.—3p.

PARSONSTOWN (BIRCH CASTLE).—OCTOBER 1888.

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.

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	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
2	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
3	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
4	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
5	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
6	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
7	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
8	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
9	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
10	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
11	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
12	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
13	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
14	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
15	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
16	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
17	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
18	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
19	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
20	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
21	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
22	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
23	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
24	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
25	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
26	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
27	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
28	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
29	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
30	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
31	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.
Mean	29°55	29°46	45°	35°	34°	45°	2°	1°	246	179	WSW 2	NW 2	10	0	162	● 11a.—1p., then bright, but cold.

SWANBISTER.—NOVEMBER 1888.

Height above Mean Sea Level, 68 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8' W. Lat. 58° 56' N.

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.
	ins.	ins.							in.	in.	%	%					ins.	
1	29°73	29°95	41°0	40°5	38°0	44°0	2°8	3°5	201	185	78	73	NNE 5	NE 4	—	—	—	
2	29°99	30°00	40°0	40°0	37°0	43°0	2°2	1°6	203	215	82	87	NE 3	NE 1	—	—	—	
3	29°98	29°96	42°0	42°0	39°0	44°0	2°4	3°2	218	204	82	77	E 3	ESE 3	—	—	—	
4	29°96	29°97	42°5	43°0	41°0	43°0	3°0	2°4	211	226	79	82	SE 4	SE 5	—	—	—	
5	30°04	30°09	44°8	44°0	42°0	45°0	3°0	2°0	231	244	78	84	SE 5	SE 5	—	—	—	°020
6	29°13	29°09	43°6	43°0	42°0	44°0	2°6	2°5	228	225	80	81	SSE 5	SSE 5	—	—	—	
7	30°07	29°01	42°0	42°2	41°0	43°0	2°0	2°6	225	216	85	81	ESE 5	ESE 6	—	—	—	°020
8	29°07	30°01	43°5	44°5	40°0	44°5	2°9	3°0	221	229	79	78	SE 6	SE 5	—	—	—	
9	29°99	29°96	45°0	44°6	42°0	45°0	3°0	2°8	233	233	78	79	SE 7	SE 8	—	—	—	
10	29°85	29°69	45°2	45°2	43°0	46°0	3°4	2°7	227	241	76	81	SE 9	SSE 7	—	—	—	
11	29°63	29°79	45°2	45°8	44°0	47°0	1°0	1°2	278	280	93	91	SSE 5	SE 6	—	—	—	°010
12	29°81	29°69	45°5	44°5	43°0	46°0	1°3	2°5	275	239	91	81	SE 8	SE 9	—	—	—	°230
13	29°56	29°47	44°2	44°8	42°0	45°0	1°2	1°2	265	269	91	91	SE 8	SE 8	—	—	—	°160
14	29°33	29°56	47°6	44°8	43°0	48°0	0°8	1°4	310	264	95	89	S 7	S 1	—	—	—	°350
15	29°39	29°63	47°0	46°6	41°0	47°0	1°5	2°8	287	254	90	81	SSE 7	WSW 3	—	—	—	°580
16	28°79	29°19	49°4	45°8	42°0	49°4	1°2	2°0	322	263	91	86	S 7	WSW 8	—	—	—	°350
17	29°04	29°37	43°2	44°3	39°3	45°8	2°9	2°1	219	245	79	84	WSW 6	W 3	—	—	—	°350
18	29°47	29°36	47°0	47°6	41°1	47°6	2°7	1°7	260	288	81	88	W 4	WSW 5	—	—	—	°303
19	29°02	28°95	46°5	38°5	34°1	49°9	1°5	2°2	281	191	60	82	WSW 9	W 7	—	—	—	°240
20	28°86	29°13	35°1	36°0	34°0	41°3	0°1	2°0	203	175	99	82	WSW 8	NW 4	—	—	—	°349
21	29°43	29°56	37°3	41°5	33°8	42°0	2°0	1°8	184	225	83	87	NW 7	WSW 6	—	—	—	°600
22	29°12	29°49	0°0	41°5	38°8	51°1	2°0	2°2	298	217	86	83	WSW 7	WSW 6	—	—	—	°630
23	29°32	29°42	41°5	42°2	36°2	43°5	1°7	2°5	226	218	87	82	WSW 7	W 5	—	—	—	°690
24	29°32	29°39	41°0	39°4	37°5	43°1	1°2	0°7	231	227	90	95	W 2	SW 1	—	—	—	°700
25	28°91	28°68	48°0	44°6	38°7	51°8	0°4	6°1	325	176	97	60	S 5	SSW 10	—	—	—	°160
26	28°75	29°23	40°0	37°0	34°2	44°6	2°9	4°0	101	149	77	68	WNW 7	NW 4	—	—	—	°020
27	29°37	29°22	31°0	37°2	29°3	37°2	1°0	3°2	148	163	85	74	NW 1	NNE 3	—	—	—	°020
28	29°39	29°55	33°5	33°0	31°6	37°2	2°6	1°0	159	167	76	89	NNE 3	NNW 1	—	—	—	°010
29	29°58	29°48	30°2	38°0	28°3	40°0	1°2	1°0	137	208	81	91	NNE 1	E 4	—	—	—	°020
30	29°39	29°42	43°3	43°3	38°0	43°3	3°5	2°7	208	223	75	85	SSE 5	S 4	—	—	—	°030
Mean	29°505	29°570	42°6	42°2	38°5	44°7	2°0	2°4	233	222	84°5	82°2	5°5	4°9	—	—	—	5°680
No observations of Cloud or Weather, owing to Mr. Fortescue's absence from home.																		
⊗ sunrise to sunset.																		
☉ 9 p.																		

BRAEMAR.—NOVEMBER 1888.

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.

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.	39°6	37°6	37°3	42°8	1°0	2°0	ins.	ins.	SW 2	NE 3	8	8	ins.	Cold and damp.
2	28°46	28°70	39°4	40°6	36°1	41°6	1°0	1°1	223	223	NE 2	NE 3	7	10	0°00	Dull, with ☉. Snow on hills.
3	74	76	40°1	39°2	39°2	41°2	1°6	1°6	216	208	NE 0°5	NE 0°5	9	9	0°00	Very dull and damp.
4	75	75	38°6	38°8	37°7	40°5	1°8	1°8	216	212	NE 0°5	NE 0°5	8	8	0°00	Very dull and damp.
5	81	91	39°2	40°6	37°7	42°5	1°2	2°0	216	212	NE 0°5	SE 0°5	9	10	0°00	Very dull and damp.
6	92	89	38°6	37°8	37°8	40°6	2°8	2°9	182	173	SE 3	NE 0°5	7	7	0°00	Fine, but with dry cold wind.
7	84	79	37°6	37°8	36°1	39°5	2°7	3°2	175	169	E 2	E 2	7	8	0°00	Dull, with ☉ showers.
8	79	80	38°6	38°8	36°4	38°8	2°2	3°0	192	180	E 2	SW 2	7	8	0°00	Dull and cold.
9	76	79	39°6	39°0	38°0	42°5	3°0	3°2	186	178	E 2	SE 4	8	8	0°00	Dull and cold.
10	66	51	39°8	40°6	38°6	43°8	2°2	1°8	202	215	SE 1	SE 8	9	6	0°00	Dull, with ☉ (gale).
11	53	67	37°8	39°3	37°2	43°5	0°4	1°2	218	217	SE 0°5	SW 0°5	9	3	0°00	Fine day.
12	60	43	42°6	41°3	33°4	44°3	2°1	1°0	229	239	E 0°5	NE 0°5	5	9	0°00	Dull and damp.
13	37	36	42°9	41°8	41°0	42°9	1°4	1°3	246	237	SW 2	NE 0°5	10	10	0°00	Dull, with ☉ all day.
14	31	36	47°0	42°1	41°5	48°7	2°5	1°9	264	228	SW 6	SW 1	7	3	0°00	Stormy and damp.
15	28°30	29	48°5	40°8	40°3	51°5	4°7	3°0	235	196	SW 10	SW 4	9	3	0°00	Stormy a. Fair p.
16	27°84	32	38°3	38°6	35°4	46°5	2°7	3°2	180	175	SW 2	SW 2	8	7	0°00	☉ (gale).
17	28°07	39	48°5	40°8	40°3	51°5	4°7	3°0	235	196	SW 10	SW 4	9	3	0°00	Stormy. Snow on hills.
18	41	32	40°4	45°6	36°4	47°1	2°8	2°1	196	259	SW 1	SW 2	0	7	0°00	Dull and damp.
19	09	05	46°5	36°6	36°2	51°5	3°0	2°5	249	171	SW 4	W 8	5	7	0°00	Dull and damp.
20	06	18	32°7	34°5	31°6	46°8	1°7	1°7	150	167	SW 1	SW 0°5	9	8	0°00	Dull, with ☉ all day.
21	43	63	34°9	37°8	33°2	45°2	1°2	1°7	179	194	SW 0°5	W 1	10	8	0°00	☉ showers.
22	24	35	47°5	42°6	37°3	49°5	2°0	2°9	281	214	SW 8	SW 4	10	6	0°00	☉ a. ☉ showers p.
23	42	42	35°9	40°4	35°8	44°5	0°9	2°0	194	211	SW 2	SW 2	9	7	0°00	Stormy and cold.
24	21	28°31	40°8	40°6	36°7	42°7	1°8	1°1	217	230	W 2	SW 0°5	5	10	0°00	Fine a. ☉ p.
25	28°01	27°89	49°5	37°6	37°5	50°9	1°0	0°6	320	213	SW 6	SW 6	8	10	0°00	Stormy, with ☉
26	27°08	28°21	34°5	30°7	30°7	40°7	0°8	1°3	184	140	SW 2	SW 0°5	10	10	0°00	Fair a. Dull p.
27	28°18	27°06	22°7	31°9	21°2	42°2	0°2	0°4	115	172	SW 0°5	SW 2	7	10	0°00	☉ a. Dull p.
28	23	28°39	31°0	27°9	27°9	38°9	1°5	0°7	138	133	N 0°5	NE 0°5	5	8	0°00	Fair a. Dull p.
29	36	28	29°7	33°7	27°6	35°6	0°8	1°0	144	174	NE 0°5	NE 0°5	6	10	0°00	Dull, with ☉.
30	28°23	28°28	35°5	33°7	33°2	38°6	1°2	1°0	185	174	E 0°5	E 0°5	8	9	0°00	Dull day.
Mean	28°411	28°472	39°2	38°4	35°7	43°8	1°8	1°9	207	198	2°3	2°1	7°6	7°5	6°450	

LAUDALE.—NOVEMBER 1888.

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.

																		Long. 5° 41' W. Lat. 56° 41' N.										Rain-gauge, 1 foot.									
1	29°67	29°90	44°0	42°0	38°2	47°8	0°9	3°1	267	205	93	77	Calm	0	ESE	4	10	3	—	Dull and mild.																	
2	94	88	41°9	46°7	39°8	47°8	3°1	3°5	205	240	78	76	NE	2	SE	2	1	10	0°00	Bright during day.																	
3	85	86	47°9	45°9	45°8	49°3	4°3	3°6	236	232	72	75	SE	2	SE	2	10	10	—	Dull and threatening all day.																	
4	85	29°83	46°4	46°2	38°0	46°8	2°9	4°0	251	227	80	73	SE	3	E	4	3	3	—	Fair and clear.																	
5	29°95	30°03	45°8	47°7	44°5	47°7	4°0	2°8	223	265	73	80	E	3	E	3	3	8	—	Very gloomy at night.																	
6	30°05	29°98	43°2	43°0	39°3	47°7	3°7	5°2	204	178	74	64	E	4	E	4	1	1	—																		
7	29°93	87	43°0	42°0	38°0	48°6	3°0	3°8	215	193	78	73	E	5	E	2	1	1	—	Much cir.-s. ☼ ² at night.																	
8	86	88	44°8	43°0	39°3	45°9	4°6	3°2	202	211	68	72	E	4	E	4	7	1	—	Much cir.-s. Very bright and cold. ☼																	
9	82	79	46°2	46°2	39°9	49°8	4°2	5°8	223	195	72	62	SE	6	E	3	9	7	—	☼ all day.																	
10	64	49	46°2	47°2	44°0	48°3	3°7	2°3	233	271	75	84	E	6	E	7	10	10	0°20	Threatening all day. ☼ from 8p.																	
11	61	78	47°1	49°1	43°8	50°8	2°0	0°1	276	347	86	99	W	2	ENE	3	10	7	0°10	☼ ² showers a. Dull all day.																	
12	64	43	47°2	49°1	43°0	53°9	2°9	3°6	258	265	80	76	ENE	3	SE	1	10	10	0°50																		
13	43	39	50°3	48°2	46°9	52°3	2°3	0°8	306	317	84	95	S	2	S	2	10	10	0°30	Gloomy all day.																	
14	46	75	50°8	50°0	46°5	57°6	3°5	3°5	285	276	77	77	SW	3	NW	4	4	5	0°20	☼ ² showers.																	
15	29°43	84	52°8	50°9	46°0	54°0	1°6	3°6	355	284	88	77	WNW	5	NNE	1	10	10	0°40	☼ ² (mist) a. ☼ showers.																	
16	28°98	49	51°7	48°2	43°9	58°3	2°7	3°5	314	259	82	77	W	7	W	5	10	10	0°00	☼ ² (mist) a. ☼ showers.																	
17	29°37	68	44°8	45°3	38°7	48°2	4°6	3°4	202	229	68	76	NW	6	W	2	10	4	0°20	Snow on hills. ☼ ² ☼ ² K a.																	
18	70	64	49°3	50°1	44°9	52°0	2°0	1°7	301	318	86	88	W	2	W	4	10	10	0°30	☼ ² showers all day.																	
19	44	36	51°5	43°0	35°4	62°0	1°2	4°1	349	195	91	70	W	7	NW	5	10	10	0°00	☼ ² showers.																	
20	16	49	37°7	43°3	35°9	44°2	2°5	3°5	208	79	75	NNW	5	NNW	6	9	10	7	0°30	☼ ² a. and p. K 0.30p.—2p. ☼ ² showers all day. ☼ ² showers.																	
21	71	78	45°2	47°0	38°9	47°0	2°8	2°3	239	268	80	84	NNW	5	NNW	5	9	10	1650	☼ ² a. and p. K 0.30p.—2p. ☼ ² showers all day. ☼ ² showers.																	
22	52	59	53°8	49°2	38°5	56°3	1°9	3°2	360	274	86	78	NW	10	NNW	7	10	8	0°50	☼ ² (whole gale) all day. White all day. ☼ ² at night. [squalls.																	
23	73	69	45°8	44°8	39°0	52°0	1°9	2°0	265	251	86	85	NW	7	W	2	10	10	0°30																		
24	55	47	44°8	53°2	38°0	56°0	0°9	1°3	276	308	93	91	W	2	W	5	10	10	1°180	☼ ² showers all day.																	
25	15	09	54°0	46°0	41°2	58°0	1°8	4°8	366	211	87	68	W	5	NW	6	10	10	0°70	☼ ² n. and a.																	
26	20	39	39°0	34°0	32°5	46°2	1°5	0°8	209	180	88	91	W	4	N	1	10	0	0°10	☼ ² showers a. T 8.25a. — n.																	
27	29	18	41°0	40°2	32°0	41°0	3°0	3°2	197	187	77	75	N	1	N	1	4	10	—	Much cirrus. Dull.																	
28	43	52	37°0	37°0	33°8	41°7	4°1	2°0	148	182	67	83	SE	1	SE	1	10	2	—																		
29	49	35	38°2	42°6	33°3	42°6	4°2	3°6	155	201	67	74	E	3	ESE	3	8	10	—																		
30	29°34	29°46	45°0	41°7	38°5	46°0	3°7	3°4	220	197	74	76	ESE	3	S	2	8	4	—																		
Mean	29°573	29°629	45°9	45°4	39°9	49°7	2°9	3°1	251	241	79°6	78°5	3°9	3°4	7°9	7°0	9°570																				

DUNDEE.—NOVEMBER 1888.

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.

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.	39°	41°	34°	47°	0°	2°	225	210	94	84	W	1	NE	8	10	10	ins.	1.30p.—3p. (gale) from 2p.
2	29°50	29°70	43°	44°	37°	46°	1°	0°	254	270	90	93	NE	8	NE	8	10	10	0°50	☉ showers from 8.30a.
3	73	72	45°	43°	42°	45°	1°	0°	263	265	88	95	NE	8	E	2	10	10	0°10	☉ n. and during day. ☉ till 1p.
4	80	77	43°	43°	42°	44°	1°	1°	242	251	85	89	E	2	SE	6	10	10	0°140	☉ showers n. and during day.
5	29°85	97	44°	44°	42°	45°	2°	2°	247	230	84	79	SE	8	SE	8	10	10	—	
6	30°01	95	42°	41°	41°	45°	2°	2°	223	214	83	82	SE	8	SE	8	10	10	0°20	Dull, with ☉.
7	29°90	82	42°	40°	40°	42°	2°	1°	215	215	81	86	SE	6	SE	10	10	10	0°30	☉ showers all day.
8	82	85	43°	42°	43°	43°	2°	3°	220	200	79	75	SE	10	SE	8	10	10	—	
9	81	81	44°	43°	42°	45°	3°	2°	218	238	75	84	SE	10	SE	10	10	10	—	
10	79	84	44°	44°	42°	44°	2°	2°	244	236	84	81	SE	10	SE	12	10	10	0°120	☉ (gale) n. and during day. ☉ 2 [1p.
11	50	69	41°	42°	39°	49°	2°	0°	223	264	85	98	SE	1	NE	1	10	5	0°130	☉ (gale) n. and during day. ☉ 2 from
12	62	47	46°	44°	42°	46°	0°	8°	205	272	95	93	SE	4	SE	10	10	10	1°000	☉ at night. ☉ [gale] from 5p.
13	38	32	45°	45°	43°	45°	0°	5°	202	294	97	98	SE	12	SE	10	10	10	0°350	☉ showers n. and during day. ☉
14	37	63	48°	44°	44°	51°	1°	5°	303	265	89	90	SW	4	SW	2	5	10	0°90	☉ (gale) n. and during day. ☉
15	40	72	45°	44°	38°	53°	0°	2°	297	278	99	95	SE	1	W	1	10	10	0°330	☉ n. ☉ showers during day. ☉
16	04	41	54°	44°	44°	55°	2°	5°	305	250	72	86	SW	12	SW	6	10	10	0°130	☉ showers n. and till 11a.
17	20	44	41°	38°	37°	45°	1°	6°	229	197	88	85	W	8	W	2	10	0	0°40	☉ (gale) ☉ showers n. ☉ 2 6a.—4p.
18	57	42	40°	47°	38°	48°	1°	2°	227	296	90	90	W	1	W	2	10	0	0°40	☉ n. ☉ showers till 1p.
19	23	17	49°	41°	41°	54°	2°	2°	299	213	85	81	W	6	NW	2	5	10	0°20	Dull day. ☉ showers from 3p.
20	12	26	36°	37°	35°	42°	1°	2°	194	186	89	82	W	2	W	8	10	10	0°140	☉ (gale) 10a.—5p. ☉ 2.30p.—4.30p.
21	51	67	38°	40°	34°	41°	1°	7°	198	227	86	92	W	2	NW	1	5	10	0°210	☉ 0 showers from 9a. ☉ (gale) at [times]
22	35	39	50°	46°	40°	53°	2°	1°	319	285	86	90	W	10	W	6	10	10	0°030	☉ 0 showers. ☉
23	55	53	43°	43°	42°	47°	2°	1°	334	247	82	86	W	8	W	2	7	10	0°10	☉ showers during day. ☉ (gale) [till 4p.
24	34	29	35	44°	41°	51°	3°	0°	280	290	80	98	W	2	W	1	10	10	0°460	☉ 0 showers. ☉
25	09	28	52°	43°	41°	52°	2°	0°	319	235	81	84	SW	10	SW	10	10	7	0°180	☉ n. and from 4p. ☉ 2
26	03	29	38°	34°	33°	43°	1°	3°	210	182	89	91	W	10	W	1	10	10	0°120	☉ (gale) ☉ showers till 11a.
27	18	28	36°	34°	28°	42°	3°	0°	148	188	68	93	NE	2	NE	10	10	10	0°010	☉ (gale) and ☉ (sleet) from 11a.
28	26	29	34°	34°	34°	41°	1°	5°	172	183	85	92	NW	1	NE	1	10	7	0°10	☉ (gale) and ☉ (sleet) n. ☉ 9p.
29	41	28	38°	41°	33°	41°	2°	8°	179	242	78	93	SE	6	SE	10	10	10	0°320	☉ (gale) and ☉ (sleet) from 1p
30	29°28	29°32	41°	39°	39°	42°	2°	0°	210	234	81	97	SE	2	SE	1	10	10	0°050	Dull day. ☉ showers from 1.30p.
Mean	29°480	29°518	43°	42°	39°	46°	2°	1°	243	239	84°	88°	5°	8°	9°	9°	5°	7°	5°	7°

WOLFELEE.—NOVEMBER 1888.

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.

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.	32°	41°	28°	50°	0°	0°	in.	in.	93	90	SW	W	—	ins.	☉ showers a. and p.
2	29°01	29°13	43°	47°	29°	46°	0°	0°	170	251	94	93	NE	NE	—	520	☉ a. and p.
3	29°16	29°13	46°	43°	47°	47°	1°	0°	226	262	94	94	NE	E	—	530	Dull, with ☉.
4	29°26	29°23	42°	42°	40°	46°	1°	2°	236	234	86	84	Calm	E	—	510	Dull day. Blowy p.
5	29°28	29°42	43°	42°	39°	45°	2°	1°	234	233	84	88	E	SE	—	—	Blowy a. Dull p.
6	29°45	29°39	38°	39°	35°	45°	3°	3°	166	181	71	77	SE	SE	—	—	Blowy a. and p.
7	29°35	29°39	30°	40°	36°	41°	3°	3°	185	181	77	73	SE	SE	—	—	Cold and blowy a. Dull p.
8	29°29	29°39	39°	39°	35°	42°	3°	2°	131	190	77	81	SE	SE	—	—	Fine and blowy a. Cold and blowy p.
9	29°29	29°39	41°	39°	36°	46°	1°	3°	225	185	88	77	E	E	—	—	Dull a. Fine p.
10	29°19	29°03	40°	38°	36°	44°	2°	2°	198	182	80	79	S	S	—	140	Fine a. Blowy day.
11	29°11	29°22	39°	31°	34°	43°	1°	0°	222	161	92	92	SW	SW	—	510	Fine and clear.
12	29°11	28°88	43°	42°	26°	47°	1°	1°	245	245	88	92	SE	SE	—	640	Blowy, with ☉ ⁰ a. Stormy p.
13	28°86	28°82	45°	44°	40°	46°	0°	0°	287	277	96	96	S	S	—	210	Stormy a. ☉ ⁰ p.
14	28°97	29°24	47°	45°	41°	47°	0°	2°	311	253	97	85	SW	SW	—	450	Blowy, with ☉ ⁰ a. Fine and clear p.
15	29°00	29°32	50°	43°	41°	50°	0°	1°	354	255	96	92	SW	SW	—	450	Blowy, with ☉ ⁰ a. Fine p.
16	28°78	28°12	53°	45°	40°	55°	3°	3°	329	233	86	73	SW	SW	—	480	☉ (gale) a. Very blowy p.
17	28°86	29°07	42°	39°	39°	54°	1°	1°	235	209	89	88	W	W	—	560	Stormy n. and a. Blowy, with ☉ p.
18	29°12	29°05	42°	40°	33°	43°	1°	2°	239	208	88	86	SW	SW	—	500	Fine and calm a. Dull, with ☉ p.
19	28°95	28°83	49°	43°	40°	50°	2°	2°	292	234	83	84	SW	W	—	230	Blowy, with ☉ p. [showers p.]
20	28°77	28°94	37°	37°	32°	52°	2°	2°	182	174	83	79	W	W	—	200	* n. Dull and blowy p.
21	29°14	29°29	37°	41°	33°	39°	1°	1°	191	230	87	88	W	W	—	140	Dull, with ☉.
22	29°10	29°09	49°	47°	37°	50°	2°	1°	304	291	87	89	W	W	—	280	Dull and blowy a. Blowy, with ☉ p.
23	29°22	29°16	45°	45°	42°	52°	4°	2°	220	253	72	85	W	W	—	770	Fair and blowy a. ☉ p.
24	28°97	29°00	49°	42°	42°	52°	1°	1°	310	235	90	89	W	W	—	130	Stormy n. ☉ a. Dull and blowy p
25	28°81	28°66	51°	44°	40°	53°	2°	3°	316	219	83	74	W	W	—	470	Blowy, with ☉ a. Fair and blowy p
26	28°67	28°82	38°	34°	34°	52°	3°	1°	173	166	75	84	NW	W	—	—	Clear and blowy a. Clear and calm p.
27	28°68	28°36	36°	34°	27°	41°	1°	1°	184	176	87	89	S	E	—	720	Dull a. Stormy, with ☉ p.
28	28°79	28°91	32°	29°	29°	38°	1°	1°	147	118	81	75	NE	E	—	—	Fine and clear a. Clear and frosty p.
29	28°86	28°76	36°	41°	23°	37°	2°	1°	175	235	82	92	E	E	—	170	Dull and cold a. Blowy, with ☉ p.
30	28°76	28°85	40°	39°	32°	42°	1°	0°	217	232	88	96	E	E	—	560	Dull and calm a. Dull, with ☉ p.
Mean	29°03	29°01	42°	40°	35°	46°	1°	1°	236	223	85°	85°	—	—	—	6°570	

SCARBOROUGH.—NOVEMBER 1888.

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.

1	29°46	29°52	46°7	48°1	41°0	49°5	0°8	0°6	*299	*321	94	96	NE	2	NE	3	8	10	*400	
2	47	51	46°8	50°0	46°0	50°7	0°7	0°3	*302	*353	95	98	NE	7	E	4	10	10	*860	Stormy
3	59	67	48°0	47°9	47°0	50°3	0°1	0°7	*333	*316	99	95	E	5	E	3	10	10	*040	Stormy, with
4	73	71	46°1	46°4	44°2	50°3	2°3	1°6	*259	*277	84	89	E	4	E	5	10	10	*030	Dry and cloudy.
5	76	89	46°4	44°4	44°0	46°8	2°0	3°4	*268	*220	86	75	SE	5	SE	5	10	10	—	Stormy
6	92	86	41°7	42°7	42°0	44°4	3°8	3°2	*189	*209	73	77	SE	6	SE	6	1	4	—	Brilliant day.
7	80	76	42°0	41°7	40°8	43°0	2°5	2°3	*215	*217	82	83	E	7	E	7	10	7	—	
8	82	78	40°7	41°7	39°0	42°3	2°6	2°0	*202	*222	80	85	SE	5	E	4	9	1	—	Fair, but cold. Bright p.
9	78	79	43°1	42°7	41°0	44°8	2°5	2°5	*227	*222	81	81	SE	3	SE	5	1	9	—	Brilliant day. Cloudy evening.
10	77	64	42°6	41°7	40°5	44°8	1°8	2°3	*234	*217	86	83	SE	3	SE	5	9	10	*070	Brilliant day. Cloudy evening.
11	68	70	41°0	44°1	39°0	44°3	0°1	0°5	*255	*277	99	96	SW	1	SW	1	10	10	*010	a. Dull and damp, with
12	66	44	44°5	45°7	42°3	47°3	1°1	0°1	*268	*305	92	99	SE	1	E	6	9	10	*550	Dull and dark. 9p. (gale) at night.
13	38	42	44°9	46°4	44°0	48°0	0°5	1°3	*286	*284	96	91	SE	5	S	4	10	0	*020	Dull, damp, and stormy.
14	61	82	44°9	47°6	43°2	49°6	0°2	0°6	*294	*313	99	96	SW	3	SW	2	10	0	*170	9a.
15	71	93	49°6	48°3	44°0	56°1	0°5	0°8	*343	*318	97	95	SW	4	W	1	10	9	*080	Stormy, with a. Bright and mild p.
16	51	68	57°2	47°0	46°6	58°9	2°1	1°6	*406	*284	87	89	SW	8	SW	10	3	0	*060	Brilliant a. (gale). showers p.
17	52	58	47°4	42°5	40°5	48°8	2°5	1°6	*268	*238	82	87	SW	4	SW	5	9	4	*120	Brilliant day.
18	69	59	41°2	40°8	37°0	50°2	0°8	0°3	*241	*351	94	98	S	3	S	2	10	8	*020	0
19	51	30	49°8	53°6	48°0	54°8	0°7	1°8	*339	*361	95	88	S	5	S	6	10	9	*020	Fine day.
20	37	42	39°0	38°7	36°0	55°0	1°6	2°1	*206	*195	87	83	SW	3	W	3	0	5	*020	Fine day.
21	69	83	38°2	42°1	36°5	45°8	1°3	1°2	*204	*242	89	90	W	4	W	2	0	2	*100	Fine day.
22	69	65	40°8	52°4	41°5	56°8	5°2	1°6	*238	*351	67	89	SW	4	SW	9	9	8	*040	0
23	74	77	49°6	49°6	48°5	54°1	1°9	1°3	*307	*322	87	91	SW	4	S	2	5	10	*030	Fine a. at night.
24	50	55	54°6	54°4	47°5	58°1	0°1	3°1	*424	*339	99	80	SW	9	S	9	9	8	—	Stormy a. Fair evening.
25	48	27	52°6	47°1	46°5	56°8	2°8	1°2	*323	*295	81	91	SW	5	SW	7	3	3	*070	Brilliant day. Stormy at tim s.
26	24	29	41°7	38°1	38°0	47°3	2°0	1°7	*222	*196	85	85	SW	3	SW	1	5	10	*020	Brilliant day. Dull at night.
27	21	28	42°2	41°4	36°0	48°0	0°5	2°5	*258	*209	96	81	SE	1	SW	10	10	1	*410	Stormy with till 2p. Fine p.
28	24	29	38°7	42°0	36°0	42°3	0°9	4°2	*217	*186	92	71	NW	2	SE	3	8	0	*090	a. Bright p. (gale) n.
29	29	23	44°0	44°7	40°8	45°3	0°4	1°0	*278	*272	97	92	E	5	SE	3	10	10	*240	Stormy and dark, with
30	29°18	29°24	43°1	43°7	42°3	44°8	0°9	1°0	*258	*262	93	92	E	4	NE	2	10	10	*060	Dull, with
Mean	29°56	29°58	45°3	45°6	41°9	49°3	1°5	1°6	*272	*272	89°1	88°2		4°2		4°5	7°6	6°6	3°530	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—NOVEMBER 1888.

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.

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.	46°	45°	40°	50°	0°	1°	in.	in.	%	%	ENE 2	NE 4	8	3	ins.	Fine day. \angle p.
2	29°51	29°60	46°	48°	44°	48°	1°	0°	270	345	87	100	NNE 6-7	ENE 7	7	10	°693	Dull, with squally
3	°59	°42	51°	50°	51°	51°	1°	2°	339	307	88	85	E 6-7	E 6-7	10	10	—	Overcast, with squally
4	°61	°57	48°	47°	47°	50°	1°	1°	305	308	88	93	E 6-7	E 7-9	10	10	°203	Overcast, with squally
5	°65	°76	48°	48°	45°	50°	0°	1°	318	304	94	92	ESE 6-7	E 7-8	10	10	—	Overcast, with squally
6	°83	°77	41°	41°	41°	48°	1°	1°	227	223	86	85	ESE 6-7	ESE 6-8	10	3	—	Cloudy, with squally
7	°70	°65	42°	42°	41°	44°	0°	1°	204	237	96	89	E 7-8	E 7-9	9	10	—	Overcast and stormy, with squally
8	°68	°61	41°	42°	40°	43°	0°	1°	250	235	98	89	ESE 7-8	E 7-8	10	10	°253	Overcast and stormy, with squally
9	°63	°65	46°	44°	42°	46°	1°	1°	290	269	93	91	ESE 6-7	ESE 6-7	10	10	°030	Overcast, with squally
10	°56	°38	44°	45°	44°	46°	1°	0°	255	292	86	96	SE 7	SE 6-7	10	10	°638	Overcast, with squally
11	°58	°65	49°	48°	37°	54°	0°	0°	340	314	98	94	S 3	SE 4	4	10	—	Fine day.
12	°48	°22	40°	50°	45°	50°	1°	3°	283	278	92	75	ESE 6	SE 5-6	10	10	1°125	Overcast, with squally
13	°25	°31	50°	46°	46°	50°	0°	2°	357	315	98	99	ENE 2	NE 1	10	10	°610	2 a. Overcast, with
14	°52	°77	52°	43°	43°	55°	0°	0°	384	272	96	97	SW 3	N 2	9	2	°480	a. and n. Fine day.
15	°59	°78	55°	51°	39°	55°	0°	1°	424	353	98	95	SW 5-7	SE 4	10	10	°023	Squally a. Overcast.
16	°44	°72	54°	49°	47°	54°	0°	4°	298	261	66	73	SW 8-9	WSW 7-8	3	7	°058	Cloudy and stormy, with squally
17	°59	°72	47°	45°	45°	50°	1°	2°	232	250	71	81	WNW 7-8	WNW 5	9	3	°218	a. and n. Cloudy, with squally
18	°70	°69	50°	52°	44°	52°	1°	4°	347	281	93	71	W 3-4	W 4	9	10	°007	a. Dull day.
19	°58	°44	52°	47°	47°	54°	1°	1°	349	291	88	91	WSW 5	WNW 8	6	10	°100	Cloudy. Stormy, with squally
20	°42	°64	41°	41°	38°	47°	2°	3°	211	196	81	75	W 8	WNW 6-8	10	4	—	Squally a. Cloudy and stormy.
21	°79	°91	47°	48°	40°	48°	3°	2°	256	278	78	80	WNW 6	W 5-6	10	10	°192	Dull, with squally
22	°76	°74	52°	53°	47°	53°	2°	1°	330	366	82	89	W 7	WSW 7	10	10	°130	a. and p. Overcast, with squally
23	°85	°84	50°	49°	48°	53°	2°	0°	314	346	86	97	W 4	WSW 5-6	9	10	°343	a. Overcast, with squally
24	°63	°64	53°	53°	49°	53°	0°	2°	399	335	95	81	W 6-7	WSW 6	10	10	°012	a. Overcast, with squally
25	°40	°30	53°	47°	47°	53°	1°	4°	381	233	92	73	SW 6-7	W 5-6	10	5	°120	Overcast, with squally
26	°31	°32	43°	39°	38°	47°	3°	1°	204	218	74	89	W 5-6	SSW 4	3	10	°074	Squally a. Fine day.
27	°02	°05	42°	40°	36°	45°	2°	0°	233	237	85	96	ESE 6	NW 4	10	10	1°048	°9a. Overcast day. Squally
28	°27	°30	41°	43°	35°	43°	2°	3°	207	215	80	76	E 4	ESE 5-7	8	10	°004	Fine day. Squally n. [(force) 5 p.
29	°15	°12	42°	49°	47°	47°	1°	1°	244	260	88	92	E 7-8	ESE 7	10	10	°041	till 11a. Overcast, with squally
30	29°19	29°34	46°	43°	43°	47°	1°	0°	274	276	89	99	ESE 4	Calm 0	10	9	°008	Overcast day.
Mean	29°530	29°551	47°	46°	43°	50°	1°	1°	295	280	88°	87°	5°	5°	8°	8°	8°	6°410

HILLINGTON.—NOVEMBER 1888.

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.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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	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°	46°	38°	48°	0°	0°	in.	in.	0%	0%	W	1	SE	2	ins.	387	Overcast all day. ● p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	29°58	29°50	43°	46°	38°	48°	0°	0°	273	311	97	98	W	1	SE	2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

CHURCHSTOKE.—NOVEMBER 1888.

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.

1	29°04	29°07	44°0	43°3	37°1	47°5	0°0	0°4	*266	*271	93	97	SW	1	SE	2	9	10	*540	Cloudy and raw.
2	28°94	28°97	44°2	46°8	41°8	46°8	1°1	1°1	*266	*294	92	92	NW	4	W	1	10	10	*670	Dull and cold.
3	28°93	29°14	47°9	46°8	45°0	48°1	1°0	0°5	*307	*307	93	96	SW	4	SE	4	10	10	*240	Rough day.
4	29°09	05	47°9	46°8	43°2	48°9	1°6	0°9	*294	*298	89	93	SE	2	SE	5	10	10	*500	Cold and stormy. ● ²
5	19	28	47°7	46°6	45°2	50°9	1°3	1°7	*298	*277	91	88	SE	2	SE	3	8	10	—	Cold wind.
6	32	26	36°9	34°9	33°0	47°1	3°0	2°0	*164	*165	75	80	E	5	E	4	10	9	—	Very cold.
7	21	20	33°9	34°9	31°9	36°0	2°6	2°0	*145	*165	74	80	E	4	E	3	10	10	—	Bitter wind. ✕ ⁰
8	24	15	35°1	39°0	34°0	39°5	0°4	0°1	*196	*236	96	99	E	2	E	5	10	10	*292	Cold and raw.
9	19	23	43°2	39°8	38°1	44°1	0°5	1°4	*268	*217	96	89	E	2	E	2	10	10	*040	Cold and raw.
10	16	04	43°2	42°3	37°0	45°8	0°8	0°4	*261	*261	93	97	SE	3	SSE	2	10	10	*304	Cold and raw. ● ²
11	22	29°24	40°0	43°8	38°2	47°3	0°2	0°5	*251	*274	99	96	NE	1	E	2	9	10	*010	● ² ● ²
12	29°06	28°79	45°0	48°1	40°5	51°1	0°3	0°1	*292	*334	98	99	SE	2	SE	2	10	10	1120	● ² ● ²
13	28°80	29°02	45°8	47°4	42°8	49°1	0°9	1°5	*288	*289	93	89	SE	1	SE	2	10	10	*554	● ² n. ● all day.
14	29°22	41	52°7	52°3	46°0	53°9	3°7	0°5	*302	*378	76	97	SSW	3	SSW	1	8	10	*240	Stormy, with ● ⁰ .
15	37	38	55°7	54°9	50°0	59°1	0°9	0°9	*416	*404	94	94	SSW	4	SW	3	10	8	*040	Bright, with ●.
16	30	44	56°4	47°9	46°0	59°1	3°4	4°0	*358	*242	79	73	WSW	4	W	4	8	1	*035	●
17	35	39	50°4	47°9	42°2	51°9	4°1	1°0	*267	*308	74	93	SW	2	W	2	8	8	*250	● storms.
18	39	33	48°9	50°1	42°1	51°8	1°8	1°7	*301	*318	88	88	W	2	W	2	8	6	*028	Cold day.
19	30	09	50°1	52°4	48°2	54°1	1°9	2°2	*313	*335	86	85	W	3	W	4	9	9	*120	Stormy.
20	17	41	42°6	41°8	36°2	53°1	3°5	4°4	*202	*180	75	69	W	2	W	3	7	9	*116	● ▲ storms.
21	49	58	44°3	44°8	40°0	46°1	2°6	2°4	*234	*242	80	82	NW	3	NW	1	9	1	*140	Cold day.
22	51	51	48°9	50°4	44°0	51°1	2°6	0°0	*281	*343	82	94	W	2	W	3	10	3	*012	Stormy.
23	56	50	52°4	51°3	50°2	54°1	1°9	1°9	*343	*329	87	87	WSW	3	SW	4	10	10	*010	Squally.
24	42	38	53°1	52°9	50°0	53°1	3°1	0°9	*322	*375	79	94	SW	5	W	2	10	10	—	Squally and stormy.
25	16	20°00	53°9	45°8	45°0	54°1	2°9	1°9	*336	*264	81	86	SW	4	NW	2	10	8	*290	Very rough and squally.
26	29°00	28°98	39°2	39°2	35°8	47°1	1°3	1°9	*214	*202	89	84	NW	1	NW	2	4	2	*480	Bright and cold.
27	28°55	69	44°8	39°8	37°4	49°1	0°5	1°9	*285	*207	96	85	SE	3	NW	2	10	2	*090	Cold and raw. ● ² n.
28	75	84	36°1	38°7	29°2	42°6	1°0	0°6	*193	*222	91	95	SE	2	E	2	9	10	*126	Cold, with ● ⁰ .
29	68	67	43°6	43°8	37°1	45°1	1°2	0°9	*257	*265	90	93	SE	2	E	2	10	10	*162	Cold and raw.
30	28°76	28°93	42°8	39°8	39°0	44°6	0°9	0°9	*255	*226	93	93	SE	1	SE	2	10	6	*094	Dull and cold.
Mean	29°145	29°165	45°7	45°1	40°9	49°1	1°7	1°4	*273	*274	87°4	89°6	2°6	2°6	9°2	8°1	6°503			

CARMARTHEN.—NOVEMBER 1888.

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.

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.	50°	44°	40°	50°	3°	1°	in.	in.	%	%	Calm	0	E	4	4	10	ins. 0°30	☉ showers.
2	35	28	47°	46°	43°	48°	3°	0°	254	307	78	96	N	3	N	1	10	10	570	Frequent ☉ showers.
3	37	44	46°	46°	45°	48°	0°	0°	319	313	99	98	Calm	0	Calm	0	10	7	120	Frequent ☉ showers.
4	40	32	49°	49°	45°	55°	2°	0°	289	333	83	95	E	3	E	1	8	10	350	Frequent ☉ showers.
5	47	58	45°	49°	43°	55°	0°	3°	289	278	94	79	E	2	E	4	10	10	830	Frequent ☉ showers.
6	57	53	40°	36°	36°	51°	2°	2°	193	162	77	76	E	8	E	7	8	1	—	Squally.
7	52	48	34°	37°	30°	47°	3°	2°	146	186	72	82	E	3	E	3	5	8	250	☉
8	53	38	41°	42°	35°	48°	1°	1°	224	254	87	92	E	4	SE	8	8	10	140	Squally p.
9	50	53	47°	43°	42°	48°	1°	1°	301	280	91	91	SE	3	NE	2	8	10	060	Dull and cold, with frequent ☉ showers.
10	45	34	49°	47°	43°	51°	2°	0°	301	315	85	95	SE	6	SE	1	10	10	440	☉ p.
11	58	54	49°	45°	42°	58°	0°	1°	335	283	96	92	E	1	E	2	8	5	—	Fair.
12	29	11	51°	49°	43°	53°	1°	0°	333	349	88	98	SE	6	SE	1	10	10	600	Stormy.
13	19	33	48°	50°	48°	51°	0°	0°	338	362	97	98	SE	1	SW	1	10	8	300	Frequent ☉ showers.
14	63	73	51°	52°	48°	53°	0°	0°	360	399	97	100	S	2	S	1	10	10	1490	Frequent ☉ showers.
15	73	82	51°	53°	52°	55°	0°	0°	425	410	99	99	S	4	SW	4	—	—	040	Overcast, with ☉ all day.
16	78	90	55°	58°	47°	55°	2°	2°	361	285	83	85	SW	4	SW	3	8	0	210	Fair.
17	85	83	52°	49°	46°	56°	4°	3°	289	283	73	80	W	3	W	4	3	9	100	☉ ² showers.
18	82	77	52°	52°	48°	54°	1°	1°	346	355	88	89	SW	3	W	1	8	10	030	Dull day.
19	75	56	51°	53°	49°	54°	1°	1°	344	353	91	87	SW	1	SW	5	10	10	130	Dull day.
20	64	20°86	44°	44°	40°	50°	3°	4°	220	212	75	71	W	5	NW	5	7	6	010	Fair.
21	97	30°02	48°	44°	42°	54°	3°	1°	252	261	74	90	W	5	W	1	10	8	—	Dull, with cold wind.
22	20°98	29°98	52°	52°	45°	54°	3°	1°	306	340	78	87	W	1	W	6	10	10	050	Occasional ☉ showers.
23	30°02	30°00	53°	52°	51°	54°	2°	1°	366	342	91	86	W	6	SW	7	10	9	030	Dull all day, with frequent ☉ ⁰ showers.
24	29°90	29°84	52°	53°	51°	54°	1°	2°	358	349	92	85	SW	6	SW	5	10	10	050	Dull, with ☉ ⁰ . [Squally 9p.]
25	61	39	52°	47°	47°	54°	1°	1°	366	305	92	92	SW	6	SW	1	10	10	570	Squally till 5p.
26	20°41	40	46°	44°	38°	54°	2°	2°	267	250	86	85	W	1	SE	2	2	7	1°00	Fine a. ☉ ² 3.30p. ☉ ² 8.30 p.
27	28°85	13	50°	37°	35°	51°	2°	0°	299	212	83	94	SW	6	SE	1	7	10	220	☉ a. Squally, cloudy, and overcast.
28	29°16	29°07	38°	41°	33°	46°	0°	1°	218	240	94	91	E	2	SE	2	8	10	120	Dull, with frequent ☉ showers.
29	28°93	28°94	47°	43°	40°	49°	1°	0°	283	283	88	99	SE	2	Calm	0	10	10	080	Dull, with frequent ☉ showers.
30	29°10	29°32	41°	35°	34°	48°	0°	0°	255	208	96	99	SW	1	Calm	0	10	5	010	Dull day.
Mean	20°54	20°56	48°	46°	42°	52°	1°	1°	298	292	86°9	89°9		3°3		2°8	8°4	8°4	8°730	

SOUTHAMPTON.—NOVEMBER 1888.

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.

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.	43.8	45.4	44.4	51.0	0.2	0.6	in.	in.	99	99	NE	1	NE	1	10	ins.	Dull, with $\frac{1}{2}$ a. \odot from 4p.
2	29.55	29.47	45.9	47.3	44.8	50.0	0.5	0.3	298	319	97	98	NW	2	NE	1	10	0.050	☉ till 5.30 a. Dull day.
3	29.40	29.35	46.7	47.7	42.8	55.2	0.7	0.4	302	276	95	96	NE	1	NNE	1	10	—	Fine day throughout. $\frac{1}{2}$ p.
4	29.56	29.52	48.8	49.3	45.7	55.7	0.2	0.4	332	375	85	97	SE	2	SE	3	4	0.320	Beautiful a. \odot from 5p.
5	29.72	29.64	48.8	49.3	45.7	56.7	0.5	1.4	354	310	96	90	SE	2	E	4	3	0.026	Fine and dry throughout. $\frac{1}{2}$ n.
6	29.71	29.67	41.9	36.5	36.2	50.2	0.4	1.7	257	184	85	85	SE	4	E	4	10	0.013	☉ 6.30a.—9a. Fine from 11a.
7	29.65	29.68	33.3	37.0	32.8	37.6	1.4	1.2	162	196	85	89	ENE	2	E	2	10	0.010	☉ 7a.—11a., then fine and dry, but cold.
8	29.72	29.63	40.5	46.0	36.4	46.6	0.6	1.0	239	297	95	93	ENE	2	E	5	10	0.226	Fine day.
9	29.65	29.72	45.9	43.9	43.6	48.7	0.2	0.9	304	266	99	93	SE	1	E	1	10	0.024	☉ till noon.
10	29.74	29.62	48.6	49.0	43.5	49.7	1.0	0.4	318	338	93	97	SE	3	SE	5	10	0.524	☉ from 8p.
11	29.74	29.74	48.8	48.0	46.4	54.2	0.3	0.3	339	327	93	98	NE	0.5	SE	2	10	0.007	Dull and damp, with $\frac{1}{2}$ a. Beautiful
12	29.59	29.35	50.6	54.1	47.7	54.9	1.0	1.0	343	390	93	93	SE	3.5	SE	6.5	10	0.328	☉ p. [day. $\frac{1}{2}$ p.
13	29.61	29.61	51.6	50.0	47.1	55.3	0.9	1.1	358	332	94	92	SW	5	SW	1.5	10	0.094	☉ early a.
14	29.84	29.02	50.6	51.7	46.8	58.9	0.5	0.7	355	365	97	95	S	1	S	3	8	0.112	☉ a. Day fine and mild. Large $\frac{1}{2}$ n.
15	30.04	29.11	52.1	55.8	51.0	56.6	0.3	0.2	382	440	98	98	SSW	3.5	SW	3	10	0.025	☉ a. Fine and pleasant p.
16	30.04	29.12	50.2	51.4	51.2	58.2	0.5	1.8	437	333	97	88	SW	3.5	SW	1	10	0.013	Fine and pleasant.
17	30.06	29.01	53.0	49.6	47.6	55.7	3.8	2.6	304	291	75	82	W	3	W	3	5	0.025	Dull and damp a. Beautifully fine
18	29.99	29.93	50.7	53.0	47.7	55.6	1.5	1.9	331	350	89	87	SW	1	SW	3	10	0.080	Beautifully fine and mild. [and mild p.
19	29.92	29.79	51.5	52.8	51.1	55.6	1.5	1.8	341	350	89	87	SW	2	SW	3	10	0.060	Fine from 1p. Beautiful night.
20	29.97	29.97	47.0	41.6	40.9	53.7	2.2	2.4	271	214	85	82	NW	2.5	W	2	8	0.002	Fine day. Beautiful night.
21	30.14	30.19	42.5	46.0	40.4	50.4	2.3	1.8	224	269	82	87	SW	2	NW	2	1	—	Fine and dry.
22	30.18	30.17	49.0	50.3	44.3	53.4	2.4	2.9	289	292	83	80	WSW	2	W	4.5	10	—	Fine and pleasant.
23	30.22	30.23	52.4	51.6	50.1	56.2	1.6	1.9	351	333	90	87	WSW	2.5	W	3	10	—	Fine, dry, and pleasant.
24	30.10	30.07	53.3	53.6	50.3	55.6	3.4	3.0	317	330	77	80	W	5	W	4	10	—	☉ all the evening.
25	29.94	29.64	54.0	53.8	52.9	55.4	2.7	2.4	342	348	82	84	SW	5	SW	7	10	0.482	☉ to Northward p.
26	29.55	29.61	48.0	45.6	45.2	55.1	1.2	1.6	304	269	92	88	SW	2	SW	2	9	0.295	Dull, with $\frac{1}{2}$ a. \odot showers.
27	29.52	29.31	52.8	43.4	43.2	53.7	1.2	1.2	366	255	91	91	ENE	1	Calm	0	10	0.543	☉ 10a.—3p. Δ noon. Fine p.
28	29.38	29.36	40.8	41.1	38.5	45.3	0.4	0.3	246	252	97	97	SE	1	SE	3	10	0.545	☉ 11p.
29	29.21	29.13	46.9	48.3	40.2	50.0	1.1	1.2	295	309	93	92	SE	1	SE	3	10	0.545	☉ $\frac{1}{2}$ n.
30	29.19	29.47	44.2	38.9	38.8	49.3	0.7	0.4	275	220	95	97	WSW	1	Calm	0	10	—	☉ $\frac{1}{2}$ n.
Mean	29.721	29.730	48.2	47.7	44.3	52.8	1.2	1.3	311	304	91.3	90.6	2.4	2.8	8.9	7.1	5.138		

BABBACOMBE.—NOVEMBER 1888.

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.

1	29.29	29.22	44.7	46.0	42.2	52.7	0.7	0.6	279	296	94	96	ESE 1	NE 3	7	10	370	☉ ² n. Parhelion 9.10a.—9.30a.
2	29.19	29.15	44.8	46.2	44.3	46.2	0.8	0.9	278	292	94	94	N 3	NNE 3	10	10	380	☉ ² (mist) a. ☉ till 11.30a.
3	29.23	29.31	48.1	51.0	45.9	51.1	0.7	3.0	318	298	95	80	ENE 2	ESE 3	9	8	160	☉ ² (mist) all day. Heavy gloom p.
4	29.31	29.27	49.1	48.0	47.3	52.9	0.8	0.1	328	333	94	99	S 2	SW 2	9	3	740	☉ ² (mist) all day. Heavy gloom p.
5	29.35	29.35	51.9	52.0	43.1	54.8	0.7	2.2	367	330	95	85	SE 3	ESE 6	10	7	250	☉ ² n. and a. Squally ☉ (gale) late p.
6	29.37	29.35	44.8	40.7	40.3	52.7	0.8	1.1	278	231	94	91	E 6	NE 6	10	10	150	Squally ☉ (gale) a. Very high sea.
7	29.33	29.32	37.1	46.9	36.3	46.9	1.0	0.1	201	319	91	99	ENE 5	ESE 5	10	10	930	☉ ² 10a. Dull day. Scotch ☉ ² p.
8	29.39	29.23	49.2	51.2	46.5	51.4	1.9	0.2	302	371	87	99	ESE 4	ESE 5	10	10	550	Dull day. Squally ☉ (gale) p.
9	29.36	29.44	51.5	48.1	45.3	55.4	0.8	0.2	360	331	95	98	NNW 1	E 3	7	10	010	☉ ² n. ☉ 2p. Gloomy 4p.—5p. ☉ ² ☉ ²
10	29.42	29.33	51.4	50.6	48.0	53.2	1.1	0.2	351	364	92	99	SE 5	SW 2	9	7	590	Heavy gloom 4p.—5p. ☉ ² (mist) p.
11	29.51	29.47	48.0	51.2	42.3	50.6	0.1	1.5	333	336	99	90	ESE 1	SE 3	8	7	020	☉ ² n. and p. ☉ ² (mist). Sky green
12	29.24	29.05	52.9	50.1	49.8	53.9	0.0	0.0	401	362	100	100	SE 4	NE 1	10	10	1810	☉ ² ☉ ² a. and p. Dull and gloomy.
13	29.12	29.33	46.1	47.7	45.5	51.7	0.6	0.6	297	316	96	96	WNW 2	SW 2	10	2	050	Dull a. ☉ ² showers. ☉ ² (mist) p.
14	29.57	29.72	51.0	53.8	45.3	55.9	0.5	1.1	361	382	97	92	SW 3	SSW 5	2	8	310	☉ ² n. ☉ a. and p. ☉ ☉ ☉
15	29.74	29.83	55.7	55.1	53.2	56.7	0.1	0.0	441	434	99	100	SW 5	SW 3	10	10	170	Dull day. Scotch ☉ ² p. Gloom y 3p.—5p.
16	29.77	29.89	56.0	50.0	49.7	56.9	0.1	1.5	446	392	90	90	WSW 6	WSW 3	10	8	030	Squally ☉ (gale) 5a.—7a. Dull till 11a.
17	29.84	29.82	53.0	49.1	47.5	56.3	2.9	1.5	325	311	81	89	WSW 5	WSW 3	6	10	010	☉ ² in past n.
18	29.78	29.72	50.9	52.2	48.5	56.6	1.0	0.7	346	371	93	96	WSW 3	W 3	9	10	—	☉ ² showers p. ☉ ² showers.
19	29.72	29.60	50.9	52.4	49.5	54.3	1.6	1.9	330	343	89	87	WSW 3	WSW 5	8	9	020	Squally ☉ (gale) early a. ☉ ² 3p. ☉ ²
20	29.64	29.82	47.7	42.9	41.2	52.6	3.9	2.2	242	230	74	83	WNW 4	W 4	2	1	100	☉ ² showers. ☉ noon. ☉ p.
21	29.94	30.00	47.1	46.8	41.0	52.3	3.1	1.6	252	281	78	88	WSW 3	WSW 3	2	3	010	☉ ² showers. ☉ noon. ☉ p.
22	29.98	29.98	49.8	49.5	44.3	52.8	2.6	1.5	293	316	82	90	W 4	W 5	9	9	—	Squally 9p.
23	29.00	29.01	52.9	51.0	49.2	54.7	2.0	1.2	346	343	86	92	W 5	SW 3	7	8	—	Squally.
24	29.89	29.84	52.9	53.0	49.7	55.2	3.0	1.1	322	371	80	92	WSW 6	WSW 4	10	9	—	Squally ☉ (gale) a.
25	29.66	29.32	52.7	53.8	51.3	54.7	2.0	0.1	344	412	86	99	SW 7	SW 8	9	10	640	☉ ² showers. Squally ☉ ☉ ² p.
26	29.35	29.34	44.9	48.6	43.8	54.2	2.1	2.7	251	277	85	81	WSW 4	SW 3	3	3	120	☉ ² a. and p. ☉ ² ☉ ² showers p.
27	28.90	29.05	52.1	40.2	40.1	52.4	1.8	0.6	342	236	87	95	SSW 7	SW 2	10	2	280	☉ ² noon. Squally ☉ ☉ ² a. p.
28	29.08	29.01	45.8	48.9	38.9	49.7	1.7	2.7	269	280	88	81	S 2	ESE 4	10	10	280	☉ ² n. and a. ☉ 3p. ☉ ² 11p.
29	28.88	28.81	49.0	45.3	44.9	49.9	2.9	0.3	277	296	82	98	SSE 4	WSW 1	8	10	880	☉ ² (mist) ☉ ² a. p. ☉ ² 8p.
30	29.02	29.22	42.9	37.2	37.1	52.6	1.6	0.7	241	208	87	94	WSW 2	N 1	6	2	—	☉ ² 9.30a. Parhelia 10a. ☉ ² 2p.
Mean	29.462	29.459	49.2	48.7	45.1	53.2	1.4	1.1	317	320	89.9	92.4	3.7	3.5	8.0	7.5	8.520	

LONDONDERRY.—NOVEMBER 1888.

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.

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.	43.0	44.2	39.5	52.6	0.6	2.3	264	240	95	82	S	2	S	2	8	0	ins.	☉ showers.
2	29.60	29.79	41.2	44.7	39.0	51.3	1.3	0.9	231	275	90	93	NE	2	N	1	1	10	260	Fine till 7p., then ☉.
3	73	74	48.2	47.0	43.1	49.3	1.3	1.6	305	284	91	89	NE	2	N	2	10	10	—	
4	66	63	47.7	46.3	45.0	48.2	1.8	1.3	287	283	87	91	NE	2	NE	2	10	10	050	☉ showers all day.
5	75	86	45.7	48.2	44.0	48.3	1.1	1.2	281	307	92	92	NE	1	NE	2	10	10	—	Dull all day.
6	89	81	42.0	37.7	36.0	51.2	2.4	1.8	218	191	82	84	NE	3	N	2	9	0	—	Fine and clear all day.
7	74	65	39.7	41.2	35.0	45.5	2.7	2.8	192	203	78	79	NE	3	NE	3	9	10	—	Fine, but cold and windy.
8	67	69	42.2	42.7	40.5	44.1	1.8	1.3	231	246	86	89	NE	3	NE	2	10	10	—	
9	61	58	50.7	45.7	38.0	56.7	1.1	0.8	342	289	92	94	SE	2	SE	1	10	10	—	
10	43	29	46.4	47.2	44.0	49.5	1.0	0.3	292	318	93	98	SE	3	SE	2	10	10	430	☉ showers all day.
11	53	60	45.7	45.3	41.0	50.7	1.8	0.6	266	288	87	96	SW	2	SW	1	7	5	—	Fine all day.
12	38	18	46.0	49.0	44.0	49.0	1.4	1.9	278	300	90	87	E	3	SE	3	10	10	040	☉ during the afternoon.
13	27	28	45.7	50.1	43.2	52.0	1.3	1.4	277	326	91	90	E	2	WSW	3	2	10	120	Fine and clear all day.
14	48	71	48.2	47.7	44.0	52.7	0.8	0.8	317	289	95	94	SE	1	SW	1	10	0	140	☉ a. Fine day.
15	56	66	51.2	49.7	44.5	53.0	3.0	1.8	295	311	78	87	W	3	S	3	10	10	050	Fair all day. ☉ at night.
16	27	55	49.4	46.9	43.2	58.5	2.0	1.7	303	281	86	88	SW	4	WSW	5	10	10	260	☉ in evening.
17	58	79	45.2	44.7	41.0	47.7	4.8	3.3	203	225	67	76	SW	3	W	2	5	2	220	Stormy all day.
18	70	72	49.4	49.7	42.0	52.5	0.5	1.1	340	328	96	92	SW	2	W	4	10	9	—	Overcast all day.
19	58	51	51.2	43.3	42.0	55.0	1.0	3.0	350	218	93	78	SW	4	W	3	10	10	280	☉ in afternoon.
20	44	75	47.2	42.7	34.1	53.6	1.3	3.9	294	197	91	72	SW	4	NW	4	10	5	460	Squally ☉ ▲ all day. <
21	88	83	46.4	47.5	40.0	49.5	2.5	0.8	258	311	82	94	W	3	SW	4	10	10	150	Overcast all day. ☉ at night.
22	70	73	52.7	48.7	46.5	55.4	2.8	1.3	324	311	81	91	SW	4	SW	3	10	10	090	Overcast, with ☉.
23	84	67	47.7	51.2	46.0	51.5	3.1	0.8	258	355	79	95	SW	1	SW	4	7	10	720	☉ from 4p.
24	57	57	50.7	53.7	49.0	55.0	0.4	2.3	360	348	97	84	SW	2	SW	4	10	10	100	Stormy, with ☉ showers.
25	24	25	49.7	38.7	37.0	54.5	2.3	1.3	299	210	84	89	SW	4	SW	3	10	0	300	Squally ☉ during day. < n.
26	31	31	40.2	38.7	35.8	44.8	2.3	2.2	203	193	82	83	W	2	NE	2	9	0	010	▲ ☉ showers.
27	11	15	34.9	37.7	33.8	40.8	0.7	0.7	189	212	93	94	E	1	S	2	10	3	020	Fine during day. ☉ n.
28	34	34	32.4	39.6	30.8	46.0	0.5	1.7	174	209	95	86	E	2	NE	2	10	10	—	
29	24	09	39.1	44.7	37.5	45.0	1.7	1.8	206	255	86	86	NE	2	NE	2	10	10	190	☉ all day.
30	29.24	29.43	42.7	38.7	37.5	45.3	0.5	0.3	263	229	96	97	NE	2	S	2	10	10	020	☉ a. ☉ showers during day.
Mean	29.539	29.561	45.4	45.0	40.6	50.1	1.7	1.6	270	268	87.8	88.3	2.5	2.5	8.9	7.5	4.120			

MARKREE CASTLE, SLIGO.—NOVEMBER 1888.

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.

Long. 8° 27' W. Lat. 54° 11' N.																		Rain Gauge, 1 foot.	
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.	44.6	44.6	38.8	51.1	0.4	1.9	ins.	ins.	97	89	Calm	0	NNE	2	8	ins.	100
2	29.56	29.70	44.9	46.1	40.1	49.0	2.8	2.9	236	247	80	79	NNE	1	N	3	7	10	0.80
3	29.60	29.66	44.9	46.1	40.1	49.0	2.8	2.9	236	247	80	79	NNE	1	N	3	7	10	0.80
4	29.50	29.44	49.3	48.0	44.8	51.0	1.6	1.0	308	309	89	93	NE	3	E	4	10	10	0.10
5	29.76	29.72	49.0	50.0	46.5	51.9	1.8	1.0	303	312	87	87	ESE	1	E	4	10	10	0.10
6	29.58	29.65	43.1	41.5	40.2	50.0	3.7	3.3	203	197	73	75	ESE	3	E	3	9	10	0.10
7	29.58	29.48	41.6	40.7	38.5	43.9	3.7	3.3	203	197	73	75	ESE	5	ESE	8	9	6	—
8	29.48	29.50	44.2	44.9	40.0	47.0	0.9	2.1	270	251	93	85	ESE	6	ESE	6	10	10	—
9	29.47	29.44	48.9	44.9	43.1	54.2	1.6	0.9	307	276	89	93	ESE	3	ESE	4	10	7	0.40
10	29.23	29.27	48.8	45.5	44.2	49.6	0.7	0.2	327	301	95	98	SE	6	WSW	1	10	10	0.60
11	29.46	29.45	44.2	46.8	38.9	50.7	1.0	1.4	268	287	93	90	SE	1	SE	3	6	6	0.10
12	29.18	29.07	48.0	50.3	45.3	52.0	1.3	1.0	302	339	91	93	ESE	6	SE	3	10	10	0.160
13	29.14	29.23	45.2	48.1	43.2	52.8	0.9	0.8	280	316	93	94	SE	2	SSE	1	6	9	0.10
14	29.45	29.69	50.4	46.4	43.6	54.2	1.6	1.0	325	292	90	93	SW	1	SE	2	10	10	0.210
15	29.60	29.53	50.4	50.2	45.2	55.0	2.4	2.0	305	312	84	86	WSW	1	SSE	5	10	10	0.060
16	29.40	29.59	49.4	46.0	43.2	51.7	2.2	1.5	298	276	85	90	WSW	8?	SW	4	10	10	0.290
17	29.64	29.78	45.7	47.1	43.2	47.2	2.8	1.8	245	281	80	87	WSW	4	WSW	2	10	10	0.160
18	29.68	29.74	51.4	50.2	46.0	53.0	0.3	1.0	371	337	98	93	WSW	2	SW	1	10	10	0.030
19	29.60	29.54	52.8	43.0	42.2	54.6	1.2	1.4	368	247	91	89	WSW	2	NW	3	10	10	0.230
20	29.52	29.82	36.2	44.0	35.2	44.5	0.2	4.1	210	203	98	70	NW	4	WNW	4-6	10	10	0.350
21	29.94	29.84	45.2	48.2	41.2	48.3	0.8	1.5	283	300	94	90	WNW	3	SW	6	10	10	0.170
22	29.78	29.74	51.3	51.9	48.0	53.6	1.3	0.8	344	364	91	95	WSW	3	SW	3	10	10	0.060
23	29.88	29.70	49.0	53.6	47.1	53.6	1.1	2.6	320	339	92	82	SSW	0.5	WSW	5	10	10	0.150
24	29.61	29.59	54.4	53.3	52.8	55.1	1.3	2.2	386	346	92	85	SW	5	SSW	1	10	10	0.120
25	29.27	29.28	49.2	39.5	39.0	54.8	2.4	1.5	292	212	84	88	WSW	3	WSW	3	10	9	0.040
26	29.33	29.20	37.3	38.6	34.4	44.9	1.4	0.4	195	226	88	97	SSW	0.5	S	3	6	10	0.050
27	29.03	29.13	32.5	31.3	31.1	39.6	0.1	0.1	183	174	99	99	Calm	0	NW	0.5	10	6	—
28	29.24	29.18	25.2	40.1	23.2	40.3	0.0	1.3	136	221	100	89	E	0.5	ESE	4	10	7	0.020
29	29.07	29.05	41.1	43.0	38.6	45.2	1.3	1.0	230	255	89	92	E	4	ESE	5	10	8	0.080
30	29.17	29.38	33.0	31.0	28.6	44.7	0.0	0.1	189	171	100	99	SE	0.5	NW	0.5	7	10	0.010
Mean	29.484	29.494	45.2	45.2	41.1	49.8	1.4	1.5	276	271	90.1	88.8	2.9		3.3		9.3	9.2	3.320

DUBLIN (PHENIX PARK).—NOVEMBER 1888.

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.

1	29.50	29.58	43.8	43.6	41.0	49.9	0.9	1.2	266	257	93	80	NW 2	N 2	7	9	0.10	Cloudy day. < 7.30 p.
2	29.62	29.48	44.9	47.2	42.9	48.0	2.3	2.5	247	266	84	90	NNE 5	NNW 4	7	10	0.725	Dull and cloudy. ∞ p.
3	29.52	29.55	51.1	51.5	44.4	56.6	1.6	2.4	335	319	89	84	NE 4	E 3	10	10	0.140	∞ showers a. Dull day.
4	29.49	29.40	50.2	49.8	47.8	51.6	3.2	0.9	284	335	79	93	ESE 3	E 4	9	10	0.730	Dull and cloudy. ∞ p.
5	29.55	29.68	50.3	50.2	46.5	52.1	1.7	1.5	321	325	88	90	E 3	ENE 3	6	10	0.020	Cloudy a. Dull, with ∞ showers p.
6	29.71	29.64	43.8	41.7	40.4	50.3	2.9	4.1	224	186	77	71	E 4	E 3	10	1	—	Dull day throughout.
7	29.58	29.50	40.7	40.6	39.0	42.0	3.8	1.2	181	227	71	90	E 4	ESE 4	4	10	0.220	Cloudy day.
8	29.54	29.48	45.1	44.7	40.3	46.3	1.2	1.8	272	255	90	87	SE 3	ENE 4	10	10	0.300	Dull day throughout. ∞ from 11 p.
9	29.51	29.53	50.4	48.1	44.0	50.9	1.6	1.8	325	291	90	87	ESE 3	SE 2	9	1	0.010	∞ till 4 a. Squally 4 a.—6 a. Dull
10	29.39	29.31	49.8	48.5	46.5	51.8	2.3	1.5	300	303	85	89	SE 5	SSW 2	10	6	0.155	Dull, with squally ∞.
11	29.52	29.52	49.6	51.5	37.3	56.7	3.1	2.3	280	321	80	84	SSE 2	SE 3	4	4	0.010	Bright a. Cloudy p.
12	29.29	29.12	50.6	50.3	48.0	51.6	2.5	1.1	306	336	83	92	ESE 5	SE 2	10	10	0.100	Squally ∞ a. Dull, with ∞ showers.
13	29.19	29.20	49.5	50.8	44.5	54.1	2.7	1.9	288	324	82	87	E 1	SW 2	10	9	0.005	Dull, with ∞ a. Cloudy p.
14	29.50	29.74	52.7	40.4	37.9	56.8	2.8	0.4	325	242	81	97	SW 3	SW 1	1	2	0.010	Beautiful day. ∞ n.
15	29.50	29.70	56.0	54.2	37.9	57.7	2.0	4.3	391	306	87	73	WSW 5	SE 3	8	9	—	Squally ∞ a. Cloudy day.
16	29.48	29.73	53.8	47.4	42.6	59.6	6.0	4.2	266	233	64	72	SW 7	SE 3	8	9	0.105	Stormy, with squally ∞.
17	29.67	29.80	48.7	45.7	43.8	49.7	2.2	1.7	291	268	85	88	W 5	WSW 3	8	8	0.060	Squally ∞ a. Cloudy, with ∞ showers.
18	29.71	29.74	51.1	50.3	45.1	53.1	1.9	1.6	327	324	86	89	SW 3	WSW 4	8	9	0.020	Cloudy, with ∞ showers. [showers.
19	29.66	29.52	51.9	48.1	47.5	54.8	1.8	2.0	339	286	88	86	WSW 4	W 4	9	10	0.145	Dull day. Squally ∞.
20	29.55	29.80	39.0	39.6	35.8	48.2	2.0	2.5	199	195	84	80	WSW 5	WSW 4	9	1	0.125	Squally ∞ showers. K Δ 2
21	29.91	29.94	44.7	47.5	38.3	49.8	1.8	2.8	255	281	87	86	WSW 4	SW 4	9	10	0.075	Cloudy, with ∞ showers.
22	29.83	29.80	51.2	53.9	47.0	54.0	2.8	2.7	307	340	81	82	WSW 5	WSW 5	9	10	0.145	Dull with squally ∞.
23	29.89	29.81	50.4	53.4	47.0	54.0	0.8	2.2	346	347	94	85	WSW 4	SW 5	10	5	0.080	Dull, with squally ∞ till 2 p.
24	29.67	29.34	54.2	54.0	52.0	55.2	1.8	3.0	369	312	88	75	WSW 7	WSW 4	9	10	0.005	Dull, with squally ∞ showers.
25	29.35	29.28	39.6	39.9	36.7	44.2	3.4	2.0	180	207	73	84	SSW 8	SW 4	8	1	0.155	Squally ∞ a. Dull and cloudy, with
26	29.94	29.11	39.7	34.8	34.1	40.4	0.8	0.6	228	190	93	94	NNE 3	WSW 2	10	1	0.210	Bright a. Dull p. [∞ showers.
27	29.30	29.17	27.4	40.1	25.3	43.8	0.4	0.3	137	242	92	97	Calm 0	ENE 2	4	8	0.525	Dull day. ∞ till 2 p. ∞ shower p.
28	29.97	29.03	44.6	42.2	39.9	47.8	1.0	2.1	272	225	93	85	E 5	S 1	10	7	0.885	— Dull and cloudy. K ∞ p.
29	29.14	29.37	39.7	37.0	36.3	48.6	0.4	0.6	237	208	96	95	SW 1	WSW 2	10	0	0.020	Squally ∞ a. Dull, with ∞. ∞ p.
30	29.493	29.519	47.3	46.3	41.7	51.2	2.2	2.0	282	272	84.8	85.8	3.9	3.1	7.8	6.5	5.435	Dull, with ∞ a. Cloudy p.

PARSONSTOWN (BIRR CASTLE).—NOVEMBER 1888.

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.

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.	42.1	41.3	39.0	48.2	1.1	1.6	.244	.227	91	88	NNW 1	NW 1	1	2	ins.	Bright and cold a. Dull and close p.
2	29.53	29.60	42.1	41.3	39.0	48.2	1.1	1.6	.244	.227	91	88	NW 1	NW 1	1	2	.121	∞ a. Dull a. Bright noon—3p.
3	.66	.55	42.7	44.8	35.7	48.5	2.0	1.1	.232	.271	85	92	N 1	NW 3	10	10	—	∞ a. and p. Gloomy day.
4	.50	.48	49.7	49.5	42.3	51.3	1.1	1.2	.329	.323	92	91	Calm 0	Calm 0	10	10	—	∞ a. ∞ showers.
5	.42	.32	49.6	47.1	44.8	51.3	2.7	1.1	.289	.297	82	92	SE 1	E 1	7	10	.059	∞ a. Dull, with ∞ p.
6	.49	.61	47.2	49.0	42.2	54.6	1.4	2.7	.291	.285	91	81	Calm 0	ESE 1	4	4	.014	∞ a. Cold and windy.
7	.65	.58	44.1	41.1	39.7	50.5	2.3	3.6	.239	.188	82	74	ESE 2	NE 2	10	1	—	Dull and gusty.
8	.52	.42	39.7	39.5	36.8	43.3	3.6	1.4	.177	.214	72	89	ESE 3	SE 2	9	10	.010	∞ a. Squally a. and p. Bright and
9	.43	.39	46.0	45.1	38.4	49.2	1.8	2.1	.278	.252	88	84	SE 3	SE 4	10	10	.055	Dull, with ∞ a. Squally. [mild.
10	.42	.42	49.7	48.3	43.1	55.7	1.9	2.0	.309	.289	88	86	SE 2	SSE 3	9	8	.022	∞ a. Squally a. and p. Bright and
11	.21	.30	50.7	46.5	45.6	51.9	1.4	0.7	.334	.300	90	95	SE 4	SE 1	10	10	.688	Squally, with ∞ ² till 3p. ∞ from 3p.
12	.46	.40	46.3	50.5	38.8	53.9	1.4	2.4	.281	.307	90	84	SSE 1	S 3	9	10	.051	∞ a. ∞ till 10p. Squally from 7p.
13	.14	.05	51.5	49.2	47.6	54.6	1.5	1.7	.341	.308	89	89	SE 4	SSE 1	10	10	.112	Squally, with ∞ ² showers all day. ∞
14	.12	.26	47.3	49.3	43.7	54.3	1.6	1.4	.287	.316	89	90	SE 1	S 1	3	8	.020	∞ a. Bright and mild. [9p.
15	.48	.70	49.1	43.8	41.7	54.6	2.0	0.6	.299	.271	86	96	Calm 0	Calm 0	5	10	.019	Bright and mild. ∞ ³ (mist) p.
16	.64	.59	52.9	53.5	42.7	56.1	2.0	3.0	.346	.329	87	80	Calm 0	SSE 4	10	10	—	Dull and mild. Squally from 3p.
17	.54	.72	50.1	46.5	44.7	53.6	2.2	3.0	.306	.249	84	80	WSW 4	SW 2	7	5	.167	∞ n. Gusty, with ∞ showers. ∞ a. 3p.
18	.72	.81	48.7	47.6	43.8	51.3	2.7	0.8	.279	.310	81	95	WSW 3	Calm 0	7	10	.160	Squally, with ∞ showers.
19	.72	.78	50.4	49.9	46.8	54.4	0.6	1.0	.352	.333	96	93	Calm 0	WSW 2	10	10	.014	∞ during day.
20	.69	.56	51.7	46.3	45.7	53.6	0.9	2.4	.360	.260	94	83	WSW 2	SW 4	10	10	.119	Dull, with ∞. Squally p.
21	.62	.87	38.5	40.9	35.6	46.6	1.7	2.7	.199	.202	86	80	W 3	W 3	9	0	.031	∞ a. Cold, with squally ∞ ² showers.
22	.98	.95	47.1	48.5	38.3	50.7	2.5	2.4	.270	.282	84	83	W 3	W 3	10	10	—	Cold and windy.
23	.89	.83	49.8	51.9	47.0	52.5	1.5	1.2	.320	.354	87	92	SW 3	SW 3	10	10	.340	Windy day. ∞ ⁰ p.
24	.90	.82	50.9	52.9	48.8	53.3	1.0	1.8	.348	.351	93	88	WSW 1	WSW 4	10	10	.139	Mild, with ∞ ⁰ . Squally p.
25	.72	.66	53.2	53.1	51.0	54.7	1.3	2.9	.368	.326	91	80	WSW 1	SW 3	10	9	.051	Mild and windy, with ∞ ⁰ .
26	.36	.34	50.7	41.8	40.8	56.5	1.1	2.2	.342	.221	92	84	WSW 4	SSW 2	10	4	.092	Squally n. and a. ∞ from 7p. Mild a.
27	29.34	.24	34.7	38.5	31.6	41.9	1.2	1.4	.178	.205	89	88	Calm 0	SE 1	0	0	.014	∞ a. Bright a. ∞ ⁰ p. [Cold p.
28	29.05	.11	36.5	31.7	31.1	38.6	1.4	0.4	.189	.170	88	95	Calm 0	Calm 0	10	3	—	∞ a. and p. Dull and cold. ∞ ⁰ .
29	29.15	29.10	33.1	39.5	25.2	40.8	1.0	1.4	.168	.214	89	89	Calm 0	SE 1	8	4	.140	∞ ² ∞ a. Bright and cold. ∞ ⁰ p.
30	29.89	29.97	42.6	42.2	36.4	48.1	1.2	1.5	.247	.237	90	89	ENE 1	SE 1	10	10	.021	Mild, with ∞ a. Clear and cold p.
31	29.12	29.36	31.5	34.8	30.6	44.3	0.6	0.3	.163	.196	92	97	Calm 0	Calm 0	0	2	—	∞ a. Fine but cold.
Mean	29.474	29.492	46.0	45.5	40.7	50.6	1.6	1.7	.279	.270	87.9	87.6	1.7	1.9	7.9	7.3	2.459	

DUNROBIN CASTLE.—DECEMBER 1888.

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.

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.	33.3	41.3	33.3	44.3	1.5	0.7	in.	in.	84	95	N	NW	—	—	ins.		
2	29.47	29.47	33.3	41.3	33.3	44.3	1.5	0.7	1.10	2.44	84	95	NW	NW	—	—	1.00	Fine, clear, and cold.	
3	29.48	29.48	33.3	41.3	33.3	44.3	1.5	0.7	1.18	2.03	84	92	NW	NW	—	—	—	Dull and mild.	
4	29.49	29.49	33.3	41.3	33.3	44.3	1.5	0.7	1.30	3.47	94	86	E	NW	—	—	—	Dull and mild.	
5	29.50	29.50	33.3	41.3	33.3	44.3	1.5	0.7	2.50	2.94	87	97	NE	W	—	—	—	Dull day.	
6	29.51	29.51	33.3	41.3	33.3	44.3	1.5	0.7	2.99	2.02	92	94	ESE	NW	—	—	—	Fine and mild.	
7	29.52	29.52	33.3	41.3	33.3	44.3	1.5	0.7	2.63	2.68	93	86	NW	NW	—	—	—	Fine and mild.	
8	29.53	29.53	33.3	41.3	33.3	44.3	1.5	0.7	2.73	2.66	76	83	S	SW	—	—	—	Fine and mild.	
9	29.54	29.54	33.3	41.3	33.3	44.3	1.5	0.7	1.92	2.10	89	78	N	W	—	—	0.00	Fine a. showers. Dull p.	
10	29.55	29.55	33.3	41.3	33.3	44.3	1.5	0.7	1.85	1.95	90	91	NW	NW	—	—	—	Fine day.	
11	29.56	29.56	33.3	41.3	33.3	44.3	1.5	0.7	2.00	2.01	90	94	NNW	N	—	—	—		
12	29.57	29.57	33.3	41.3	33.3	44.3	1.5	0.7	1.89	2.33	92	88	N	NW	—	—	—		
13	29.58	29.58	33.3	41.3	33.3	44.3	1.5	0.7	1.97	2.22	95	76	NW	NW	—	—	—		
14	29.59	29.59	33.3	41.3	33.3	44.3	1.5	0.7	2.37	2.22	79	78	S	SW	—	—	—	Mild a. Dull day. Cold p.	
15	29.60	29.60	33.3	41.3	33.3	44.3	1.5	0.7	2.41	1.88	85	76	NW	W	—	—	—	Mild day.	
16	29.61	29.61	33.3	41.3	33.3	44.3	1.5	0.7	2.38	2.39	91	78	W	NW	—	—	—	Mild and clear.	
17	29.62	29.62	33.3	41.3	33.3	44.3	1.5	0.7	2.43	2.50	77	71	NW	W	—	—	—	Mild and clear.	
18	29.63	29.63	33.3	41.3	33.3	44.3	1.5	0.7	2.15	2.27	90	84	SW	E	—	—	—	Fine and mild.	
19	29.64	29.64	33.3	41.3	33.3	44.3	1.5	0.7	2.28	1.71	91	86	N	N	—	—	—	Fine and mild.	
20	29.65	29.65	33.3	41.3	33.3	44.3	1.5	0.7	2.5	2.06	2.87	96	83	N	NW	—	—	—	
21	29.66	29.66	33.3	41.3	33.3	44.3	1.5	0.7	2.41	2.66	85	89	W	E	—	—	—	Fine and mild.	
22	29.67	29.67	33.3	41.3	33.3	44.3	1.5	0.7	2.22	2.63	81	85	SE	E	—	—	2.20	Fine and mild. p.	
23	29.68	29.68	33.3	41.3	33.3	44.3	1.5	0.7	2.76	2.83	90	94	E	E	—	—	—	Fine and mild.	
24	29.69	29.69	33.3	41.3	33.3	44.3	1.5	0.7	2.78	2.40	92	80	SE	E	—	—	0.20	Mild a. Dull day. Cold p.	
25	29.70	29.70	33.3	41.3	33.3	44.3	1.5	0.7	2.38	1.59	91	73	W	NW	—	—	—	Fine and mild. Dull p.	
26	29.71	29.71	33.3	41.3	33.3	44.3	1.5	0.7	1.66	2.23	98	84	N	W	—	—	—		
27	29.72	29.72	33.3	41.3	33.3	44.3	1.5	0.7	1.78	1.61	86	81	NW	SW	—	—	2.30		
28	29.73	29.73	33.3	41.3	33.3	44.3	1.5	0.7	1.44	1.91	84	88	N	N	—	—	2.40		
29	29.74	29.74	33.3	41.3	33.3	44.3	1.5	0.7	1.78	1.59	89	73	N	NW	—	—	2.00		
30	29.75	29.75	33.3	41.3	33.3	44.3	1.5	0.7	1.70	1.31	92	80	NW	E	—	—	1.60		
31	29.76	29.76	33.3	41.3	33.3	44.3	1.5	0.7	1.82	1.52	83	80	NE	NW	—	—	—		
Mean	29.728	29.726	33.6	41.7	33.7	46.2	1.4	0.6	2.19	2.26	88.3	84.5	—	—	—	—	1.200		

BRAEMAR.—DECEMBER 1888.

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.

1	28°34	28°26	29°7	41°4	28°1	42°3	0°5	1°9	°151	°221	91	86	E	0°5	SW	4	7	9	°030	Fair a.
2	°42	°42	37°6	35°0	34°7	41°7	1°0	0°6	°205	°192	91	94	SW	4	SW	1	5	10	°380	Dull and damp. ☁ p.
3	°19	°13	47°5	51°8	31°4	53°3	1°0	2°5	°304	°321	94	83	SW	2	SW	2	10	9	°220	☉ a. Fair p.
4	°47	°68	45°6	44°0	41°5	52°5	0°9	2°3	°285	°238	94	82	SW	0°5	SW	0°5	7	7	°030	Fine day.
5	°62	°61	46°4	49°5	42°5	49°5	1°9	2°3	°271	°297	87	84	SW	1	SW	0°5	8	6	—	Fine day.
6	°74	°71	46°8	47°3	46°3	49°8	1°2	2°5	°291	°267	91	83	SW	0°5	SW	0°5	7	8	—	Fine day.
7	°51	°55	46°4	46°5	44°5	49°0	4°6	1°7	°217	°277	70	89	SW	4	SW	1	7	8	°060	Red sky a. Stormy, with ☉.
8	°74	°72	37°6	37°6	36°6	47°5	2°0	1°8	°187	°191	83	84	SW	1	SW	0°5	6	7	°020	Fine and clear.
9	28°84	°96	36°6	39°1	34°6	43°3	2°7	1°7	°167	°206	77	86	NW	1	NW	2	3	10	°110	Fair a. ☉ p.
10	29°04	°97	35°1	35°5	34°6	40°9	1°1	1°6	°183	°178	83	85	NW	0°5	SW	0°5	9	8	—	Dull and damp.
11	28°88	°79	32°1	36°4	28°6	37°6	1°2	1°8	°154	°182	85	84	SW	0°5	SW	0°5	4	8	—	Dull and cold.
12	°87	°88	32°4	38°8	30°8	38°8	1°5	1°9	°151	°199	82	84	SW	0°5	SW	1	3	7	—	Fair and clear.
13	°86	°77	39°3	36°6	35°6	40°8	2°7	1°3	°189	°192	79	89	SW	2	SW	1	8	9	—	Stormy and cloudy all day.
14	28°78	28°97	39°6	35°7	33°7	41°5	0°8	1°4	°227	°183	93	87	SW	0°5	SW	0°5	10	6	—	Fine day.
15	29°06	29°06	36°0	40°3	32°6	40°5	1°4	1°9	°186	°212	87	85	SW	0°5	SW	0°5	7	7	—	Fine day. Red sky.
16	29°01	28°86	41°6	42°9	39°5	49°8	3°0	2°1	°203	°231	78	84	SW	1	SW	3	7	7	—	Red sky.
17	28°86	°83	41°8	41°3	40°3	44°3	2°3	2°7	°218	°206	83	80	SW	1	SW	0°5	6	6	—	Red sky. Fine day.
18	°79	°57	36°5	30°7	30°7	42°8	1°7	1°0	°181	°147	85	85	SW	0°5	SW	2	3	1	—	Fine day.
19	°36	°11	41°6	47°5	30°6	47°7	1°4	1°7	°233	°287	89	89	SW	0°5	SW	6	9	10	°270	Very dark and damp. ☉ (gale) p.
20	28°26	28°10	38°8	42°8	38°5	49°4	1°2	1°8	°212	°236	90	86	SW	0°5	SW	4	6	10	°200	Very dark and damp. ☉ p.
21	27°99	27°86	39°8	42°4	36°7	44°3	2°0	0°9	°205	°252	84	93	S	0°5	SE	4	9	10	°780	Very dark and dull.
22	27°91	28°16	41°6	43°6	41°6	44°7	0°8	1°1	°246	°259	94	91	NE	0°5	SE	0°5	10	10	°380	Very dark and dull, with ☉.
23	28°26	°09	43°9	39°4	39°4	44°5	3°2	1°6	°219	°210	76	87	SE	1	SW	1	9	10	°240	Very dark a. ☉ p.
24	27°93	28°15	37°8	33°7	33°4	41°5	1°0	2°2	°206	°151	91	75	SW	0°5	SW	1	5	3	—	
25	28°25	27°76	25°0	33°9	25°9	35°4	0°4	0°9	°127	°177	90	90	SE	0°5	SW	0°5	6	10	°060	Clear a. Dull p.
26	°14	28°35	31°0	32°0	31°0	35°4	1°8	0°3	°131	°175	74	96	SW	0°5	SW	0°5	10	2	°010	* showers. Dull and cold.
27	°39	°05	28°7	34°4	27°2	35°6	0°5	1°7	°143	°166	91	83	S	0°5	SW	1	7	6	°090	* a.
28	°05	°48	36°0	33°7	32°7	37°4	1°2	2°8	°186	°139	89	72	SW	0°5	SW	2	7	4	°030	Fair and clear a. Dull p.
29	°70	°85	32°7	23°7	23°4	35°4	2°0	0°2	°145	°118	77	95	NE	0°5	W	0°5	7	0	—	Fair and clear a. Dull p.
30	°87	°75	16°4	31°3	16°4	32°4	0°7	1°6	°070	°139	78	78	NW	0°5	NW	0°5	0	0	°020	Fair and clear a.
31	28°03	28°54	35°4	37°8	25°6	38°6	1°5	1°2	°178	°203	86	90	NW	0°5	SW	0°5	8	8	°020	Dull day.
Mean	28°540	28°516	37°4	38°9	33°8	42°8	1°6	1°6	1°96	2°81	85°4	85°9	0°9	1°4	6°8	7°0	2°950			

LAUDALE.—DECEMBER 1888.

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.

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.	44.3	45.2	40.0	50.0	1.3	2.3	.261	.249	90	83	SE	2	NW	2	10	5	ins. 810	Gloomy with ☉ ² showers.
2	.59	.60	46.2	44.3	43.0	58.0	1.9	1.3	.270	.261	87	90	E	2	Calm	0	9	10	.830	Very mild. ☼ ² (mist) p.
3	.27	.37	53.0	53.5	43.0	55.0	1.0	2.3	.374	.346	93	84	ESE	3	W	5	10	10	1.540	☉ all day.
4	.67	.84	47.5	50.0	46.0	54.4	0.5	1.7	.316	.317	97	88	Calm	0	W	4	10	10	.030	☼ ² (mist) a. Very mild.
5	.77	.81	53.6	53.6	49.0	54.7	2.8	2.8	.334	.334	81	81	ESE	2	ESE	2	10	10	.040	Gloomy a. ☉ showers all day.
6	.93	.82	52.2	52.2	50.9	55.3	2.7	2.3	.317	.332	82	85	Calm	0	W	1	10	10	.639	Gloomy and threatening.
7	29.59	29.79	49.3	47.7	45.0	55.3	1.6	2.7	.311	.267	89	81	S	4	W	4	10	10	.600	☉ ² n. and all day.
8	30.03	30.00	46.3	42.2	40.8	48.1	3.3	1.9	.241	.229	77	86	NW	2	NNW	2	5	10	.250	☉ showers all day.
9	.17	.25	37.9	43.2	37.9	46.0	0.9	0.3	.209	.273	92	97	Calm	0	Calm	0	5	9	.100	Snow on hills.
10	.29	.21	40.0	41.0	37.5	43.9	0.6	2.8	.234	.201	95	78	Calm	0	Calm	0	4	1	—	Clear and bright all day. ☼ ² op. ☼ ² op.
11	.03	.00	42.7	43.0	38.9	43.5	4.5	2.0	.187	.234	68	84	SE	4	S	3	10	10	.130	Gloomy a. ☼ all day. ☼ ² ☉ ²
12	.12	30.09	43.2	47.3	41.1	47.4	2.0	3.0	.236	.257	84	79	S	2	E	4	10	10	—	Dark and threatening all day.
13	.05	29.95	46.9	47.0	38.8	48.9	3.6	3.0	.240	.253	76	79	E	3	E	4	10	10	.500	Gloomy, with ☼ ² . Gusty ☼ ² . ☼ ² p.
14	.05	30.26	45.9	38.2	37.8	47.3	1.0	0.4	.286	.222	93	96	Calm	0	Calm	0	10	4	.060	☉ ² n. Day dull and mild. ☼ ² p.
15	.36	.38	46.6	46.8	33.0	46.9	1.9	1.9	.273	.275	87	86	Calm	0	W	3	9	5	.060	☼ ² (mist) 9a. Day fine and mild.
16	.35	.23	45.9	47.5	44.3	47.7	2.0	2.8	.264	.263	86	81	Calm	0	NW	3	10	10	.010	☼ ² (mist) a. Day dull and mild.
17	.17	30.13	47.9	46.4	43.7	48.8	3.2	4.4	.258	.227	78	74	W	1	E	1	10	10	—	Dull a. Cloudy all day.
18	30.00	29.70	42.0	44.3	40.4	46.7	2.5	2.6	.216	.335	82	80	E	3	E	4	9	10	—	Cloudy all day. Cold.
19	29.48	.22	50.2	52.3	43.8	52.6	3.1	2.3	.286	.331	80	84	E	4	NW	5	10	10	.500	Gloomy a. ☉ ² from 3p.
20	29.40	29.25	45.0	48.7	41.9	53.8	2.6	6.5	.241	.205	81	60	W	2	Calm	0	5	10	.200	Cloudy all day. ☼ ² (mist) ☉ ² p.
21	28.97	28.85	44.0	47.2	40.3	49.7	4.6	0.2	.195	.320	67	99	E	6	E	6	4	10	.740	☼ ² ☉ ²
22	29.01	29.28	47.0	46.7	39.8	49.9	1.3	0.7	.291	.259	91	94	E	2	Calm	0	10	10	.100	☉ showers a. Mild and calm.
23	.43	.16	45.0	42.3	41.0	48.7	2.2	2.3	.249	.261	84	84	SSE	2	W	4	9	10	.440	Dull and damp all day. ☼ ²
24	.05	.35	40.3	35.3	34.0	47.3	1.3	0.6	.223	.195	90	95	W	2	E	4	10	8	.450	☼ ² 7a. ☉ ² a. ☼ ² showers.
25	.35	.07	39.0	42.9	32.7	43.0	2.4	2.9	.192	.216	81	79	E	4	NW	6	8	10	.610	Snow on hills. ☼ ² ☼ ² p.
26	.43	.60	39.9	41.0	35.9	40.3	3.6	1.8	.178	.219	72	86	WNW	5	W	4	6	6	.260	Snow low down on hills. ☼ ² showers [all day.
27	.49	.14	39.6	42.3	35.0	54.5	3.3	3.3	.176	.204	72	76	Calm	0	Calm	0	10	10	.900	☼ ² ☼ ² (sleet).
28	.27	29.66	40.2	37.0	36.4	42.9	1.1	1.7	.226	.187	91	85	Calm	0	Calm	0	10	4	.120	☼ ² (mist) a. ☉ showers all day.
29	29.96	30.12	35.0	30.3	29.7	37.3	1.0	0.3	.184	.161	90	96	Calm	0	Calm	0	2	4	.030	☼ ² 7p.
30	30.13	29.99	30.0	37.9	26.6	37.9	0.9	1.3	.143	.202	85	89	Calm	0	Calm	0	2	10	.310	☼ ² a. Dull day.
31	29.77	29.76	41.0	45.0	30.3	35.3	1.4	2.0	.227	.253	89	85	SE	6	Calm	0	10	9	.1440	☉ all day. ☼ ²
Mean	29.726	29.719	44.1	44.6	39.3	48.6	2.1	2.1	.246	.251	84.2	84.5	2.0	2.2	8.3	8.5	11.690			











GLASGOW.—DECEMBER 1888.

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.

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.	37.0	47.0	36.2	47.5	1.7	1.0	in.	in.	NE	1	SSW	2	10	ins.	☼ ⁰ a. Overcast, with squally ☼ ⁰ .
2	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 820 Gloomly and overcast, with ☼ ² .
3	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 485 Overcast, with squally ☼ ² .
4	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 073 Gloomly and overcast.
5	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	6	☼ ⁰ 135 Dull and cloudy, with ☼ ² showers.
6	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 115 Dull and overcast.
7	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	8	☼ ⁰ 085 Dull and cloudy.
8	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
9	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
10	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
11	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
12	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
13	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
14	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
15	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
16	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
17	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
18	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
19	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
20	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
21	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
22	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
23	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
24	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
25	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
26	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
27	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
28	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
29	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
30	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
31	29.38	29.33	37.0	47.0	36.2	47.5	1.7	1.0	29.38	29.33	S	1	SW	1	10	10	☼ ⁰ 360 ☼ ⁰ all day.
Mean	29.602	29.599	40.8	41.8	38.1	45.7	1.5	1.4	22.8	22.1	87.7	89.0	1.8	8.6	8.0	3.585	

WOLFELEE.—DECEMBER 1888.

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.

1	28°'96	28°'94	34°'5	46°'0	28°'0	41°'0	1°'0	0°'0	*180	*311	90	100	SW	SW	—	—	*100	Fine a. Blowy, with  p.
2	29°'08	29°'03	47°'5	49°'0	33°'0	47°'5	1°'0	0°'5	*304	*335	93	97	W	W	—	—	*920	Dull, with  .
3	28°'89	28°'88	49°'6	53°'0	45°'0	49°'8	0°'6	1°'0	*340	*374	96	93	SW	SW	—	—	*930	 a. and during day. Blowy p.
4	29°'11	29°'32	49°'5	48°'0	47°'5	53°'6	1°'5	1°'0	*315	*309	89	93	SW	SW	—	—	*040	Dull p.
5	*22	*30	49°'5	51°'0	43°'5	50°'0	0°'5	1°'0	*341	*348	96	93	SW	SW	—	—	*410	 a. and p. Dull p.
6	*41	*37	48°'8	46°'0	46°'5	53°'0	0°'7	1°'5	*337	*276	95	90	SW	SW	—	—	—	Fine p.
7	*15	*21	48°'0	49°'5	41°'0	51°'2	2°'5	1°'0	*274	*328	83	93	SW	SW	—	—	*020	Fine a.  showers p.
8	*40	*41	37°'0	35°'0	34°'0	49°'8	1°'0	1°'5	*200	*174	91	85	SW	SW	—	—	—	Fine and clear.
9	*51	*59	34°'0	36°'0	30°'0	43°'0	1°'5	1°'5	*166	*184	84	87	SW	SW	—	—	—	Fine and clear.
10	*67	*63	31°'5	28°'2	26°'0	43°'0	2°'5	1°'7	*122	*108	68	70	SE	S	—	—	—	Fine and clear.
11	*54	*45	26°'0	36°'0	20°'0	38°'0	0°'0	1°'0	*141	*193	100	91	SW	SW	—	—	*020	Fine and frosty a.
12	*54	*58	38°'0	36°'0	26°'0	39°'0	1°'0	0°'5	*208	*203	91	96	SW	SW	—	—	—	Dull a. Fine p.
13	*56	*47	35°'0	36°'0	32°'5	41°'0	1°'5	1°'5	*174	*184	85	87	SW	S	—	—	—	Fine day.
14	*46	*57	37°'0	41°'0	27°'0	37°'0	1°'0	0°'5	*200	*246	91	96	W	SW	—	—	*050	Fine day. Dull, with  p.
15	*73	*72	28°'0	35°'0	25°'0	42°'0	0°'0	1°'0	*153	*184	100	90	SW	SW	—	—	—	Fine and clear.
16	*72	*62	39°'0	36°'0	28°'0	39°'0	1°'5	1°'5	*209	*184	88	87	SW	SW	—	—	—	Fine day.
17	*58	*54	36°'5	32°'0	33°'5	42°'5	2°'2	1°'5	*175	*147	81	81	SW	SW	—	—	—	Fine day.
18	*44	29°'20	39°'0	32°'0	32°'0	42°'5	2°'5	1°'0	*190	*157	81	87	SW	SW	—	—	—	Fine, mild, and clear.
19	29°'03	28°'83	41°'0	42°'0	29°'5	41°'8	1°'0	1°'5	*235	*235	92	89	SW	SW	—	—	*700	Stormy p.
20	28°'80	*72	45°'5	45°'5	38°'0	48°'0	1°'0	0°'5	*282	*293	93	96	SW	S	—	—	*190	Blowy a.  a. and p.
21	*52	*36	44°'0	45°'0	36°'0	48°'0	1°'0	1°'5	*265	*264	92	89	S	S	—	—	*050	Dull and blowy.
22	*40	*72	45°'5	40°'0	41°'5	46°'5	1°'5	1°'0	*270	*226	89	92	S	SW	—	—	—	Dull and blowy a. Fine p.
23	*88	*77	39°'0	42°'0	37°'0	47°'0	1°'0	1°'5	*218	*235	92	89	SE	SSW	—	—	*080	Fine and calm a. Dull p.
24	*55	*84	41°'5	32°'5	36°'0	47°'0	1°'0	1°'0	*241	*164	92	88	SSW	W	—	—	—	Fine p.
25	*86	28°'52	33°'0	38°'0	27°'5	43°'0	1°'0	1°'0	*167	*208	89	91	SE	SW	—	—	*030	Fine and clear a. Stormy p.
26	28°'86	29°'09	33°'5	31°'0	30°'0	38°'0	1°'5	0°'5	*162	*161	84	92	W	SW	—	—	*710	Fine and clear. 
27	29°'05	28°'72	34°'0	36°'0	28°'5	36°'0	2°'5	1°'0	*147	*193	75	91	SW	SE	—	—	*290	Fine a.   p.
28	28°'68	29°'04	36°'5	31°'5	31°'0	38°'0	1°'0	1°'0	*197	*154	92	87	SW	SW	—	—	—	Dull a. Fine and clear p.
29	29°'28	*46	26°'5	23°'0	21°'0	39°'2	1°'5	0°'5	*096	*105	67	85	SW	SW	—	—	—	Fine, clear, and frosty.
30	*51	*44	18°'5	29°'0	16°'5	36°'5	0°'5	1°'0	*084	*130	84	82	SW	SW	—	—	—	Fine, clear, and frosty.
31	29°'31	29°'21	34°'0	36°'0	18°'5	36°'0	1°'0	2°'5	*176	*167	89	75	W	W	—	—	—	Blowy a. Dull a. and p.
Mean	29°'183	29°'178	38°'1	38°'6	31°'9	43°'5	1°'2	1°'1	*212	*219	88°'1	89°'2	—	—	—	—	4°'540	

SCARBOROUGH.—DECEMBER 1888.

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.

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.	42°	43°	40°	43°	1°	1°	in.	in.	NW	2	W	2	10	ins.	Fine and bright.				
2	29° 44	29° 53	42° 7	43° 7	40° 0	43° 8	1° 6	1° 1	239	260	87	91	SW	3	SW	6	7	10	° 60	Fine a. at night.	
3	° 66	° 66	46° 1	47° 8	43° 0	49° 9	0° 9	0° 7	290	315	93	95	SW	7	SW	10	10	10	° 80	Dull, with (gale). from noon.	
4	° 56	° 48	50° 6	53° 6	47° 0	53° 7	1° 3	1° 3	335	374	91	91	SW	3	SW	1	4	10	—	Bright and very mild.	
5	° 70	° 87	50° 0	51° 2	49° 7	54° 7	0° 9	1° 0	336	351	94	93	SW	3	SW	1	4	10	—	Dull and mild a. Fine, mild, and gusty	
6	° 83	° 84	52° 7	53° 4	47° 0	55° 3	1° 5	1° 4	331	369	89	90	S	4	S	5	10	10	—	Brilliant and mild. p. [later.	
7	° 93	° 95	50° 6	50° 6	47° 0	53° 6	0° 7	0° 4	377	358	95	97	SW	3	S	2	2	10	—	Brilliant and fresh.	
8	° 80	° 84	46° 7	44° 7	41° 0	51° 1	3° 9	1° 8	232	254	74	86	SW	4	NE	3	2	0	° 80	° a. all day.	
9	° 96	29° 91	46° 7	42° 5	41° 5	47° 8	0° 8	2° 1	299	328	94	84	SW	2	SW	3	10	0	—	Brilliant, but cold.	
10	29° 97	30° 09	39° 5	38° 7	33° 5	43° 0	2° 6	1° 8	192	200	79	85	SW	4	NW	3	0	0	—	Bright, with showers.	
11	30° 14	° 14	39° 5	36° 0	35° 4	42° 3	1° 6	1° 1	210	190	87	90	NW	4	N	1	5	2	° 30	Brilliant, but very cold.	
12	° 11	° 05	34° 2	36° 4	31° 4	37° 3	1° 7	1° 2	172	170	83	87	SW	4	S	1	5	0	—	Brilliant, but very cold.	
13	° 13	° 19	35° 1	33° 9	33° 5	37° 0	1° 7	1° 2	172	170	83	87	SW	1	S	3	0	5	—	Brilliant, but very cold.	
14	° 17	° 07	30° 6	29° 1	29° 1	35° 3	0° 7	0° 1	153	154	90	99	SW	4	S	1	5	0	—	Very cold, with Milder at night.	
15	° 03	° 06	26° 6	34° 6	25° 6	34° 9	0° 0	0° 5	145	190	100	95	SW	2	NW	2	10	10	° 20	Fine and bright. at night.	
16	° 10	° 20	35° 9	36° 6	34° 2	42° 3	0° 0	0° 9	211	199	100	92	NW	1	SW	1	2	1	—	Brilliant day.	
17	° 22	° 08	33° 4	37° 0	32° 7	38° 8	0° 3	0° 0	184	202	97	92	SW	2	SW	5	1	0	—	Brilliant day.	
18	30° 04	30° 04	37° 2	36° 6	34° 0	40° 9	1° 9	1° 0	185	197	83	91	SW	4	SW	3	1	0	—	Brilliant day. at times.	
19	29° 97	29° 75	30° 4	30° 8	29° 0	36° 6	0° 0	1° 6	170	134	100	77	SW	2	SW	3	3	1	° 10	Dull and damp, with at night.	
20	° 04	° 52	39° 3	44° 0	28° 7	44° 3	0° 1	0° 5	238	276	99	96	SW	3	S	2	7	8	—	Dull, with at night.	
21	° 43	29° 30	42° 1	42° 7	40° 4	44° 0	0° 1	0° 3	266	267	99	97	S	5	SE	3	10	10	° 40	Dull and damp.	
22	29° 10	28° 91	43° 8	46° 0	40° 5	46° 0	0° 0	0° 6	286	296	100	96	SE	3	SE	5	10	10	° 110	Dull a. Dull and damp.	
23	28° 91	29° 21	46° 0	45° 0	45° 0	47° 3	0° 4	0° 5	302	287	97	96	SE	4	S	2	10	4	—	Dull a. Bright afternoon.	
24	29° 39	° 36	43° 7	43° 0	39° 5	45° 3	0° 3	0° 3	277	270	97	98	SE	3	S	4	10	10	° 70	Dull and damp.	
25	° 11	° 26	42° 7	41° 0	39° 7	46° 3	0° 3	1° 8	267	219	97	86	SW	6	SW	2	10	0	—	Stormy a. Fine afternoon.	
26	° 44	° 07	36° 3	41° 7	34° 0	42° 5	1° 0	0° 9	194	244	91	93	SW	2	SW	4	8	0	° 140	Fine till 4p., then till 6p. Bright n.	
27	° 42	° 62	36° 6	33° 6	33° 0	41° 9	0° 6	0° 3	205	186	95	96	SW	3	W	1	5	0	—	[noon.	
28	° 27	° 27	32° 2	43° 4	30° 7	45° 3	0° 4	0° 6	173	268	95	95	S	2	SW	1	3	10	° 630	a. Fine a. Dark, with from	
29	° 20	° 45	37° 9	39° 9	37° 3	43° 4	0° 3	1° 5	222	215	97	88	NW	1	SW	1	10	0	° 30	a. Bright, but raw and cold p.	
30	° 71	° 87	35° 6	38° 4	35° 0	41° 0	0° 8	1° 6	193	200	93	87	NW	1	N	2	3	7	° 090	Fine a. showers in afternoon.	
31	° 95	° 99	40° 3	32° 6	31° 6	40° 8	3° 8	0° 8	178	168	72	91	NE	3	W	1	3	0	—	Very bright, clear, and dry.	
32	29° 91	29° 81	30° 2	32° 6	29° 0	34° 8	0° 7	0° 5	149	179	89	96	SW	2	SW	3	3	4	° 010	Fine, but with very cold wind.	
Mean	29° 731	29° 722	39° 8	40° 7	36° 7	43° 9	1° 0	1° 0	232	239	91° 7	91° 5	3° 0	2° 9	5° 4	4° 6	1° 460				

STONYHURST.—DECEMBER 1888.

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.

Long. 2 25 W. Lat. 53° 51' N.																					
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.	30.5	46.4	31.7	46.9	0.7	1.4	in.	in.	%	%	Calm	0	swb.w 2	10	10	ins.	387	☁ a. Overcast p.	
2	47	45	47.3	48.2	45.8	50.7	0.4	1.1	317	310	97	93	SW	2	SSW	3	10	10	230	Overcast, with ☁ a. and p.	
3	32	27	51.3	53.7	47.9	54.0	2.2	1.4	322	373	85	90	S	6	SSW	4	10	10	180	Overcast, with ☁ a. Squally p.	
4	51	67	50.5	49.5	49.1	54.6	1.0	1.6	342	314	93	89	SW	1	SW	1	10	10	177	Overcast, with ☁ a.	
5	58	63	53.2	54.0	47.5	56.1	1.6	1.6	360	371	89	89	S	4	swbys 1	1	10	10	117	Overcast day. ☁ p.	
6	76	68	50.1	52.3	49.3	54.5	1.8	2.1	316	336	87	85	SW	1	SSE	1	8	10	—	Cloudy day.	
7	54	57	45.3	47.5	44.1	52.6	4.4	1.3	210	296	69	90	Calm	0	swbys 1	1	9	10	280	Magnificent sunrise. Overcast day.	
8	71	76	44.2	37.6	35.3	48.1	1.2	1.6	263	177	91	78	Calm	0	Calm	0	10	2	008	☁ a. Fine, clear, and sunny.	
9	84	93	37.2	35.0	31.4	43.9	1.3	1.7	196	170	88	83	SW	1	Calm	0	10	0	009	☁ a., then fine and sunny. Over-	
10	96	94	29.1	36.0	27.8	41.0	0.8	1.7	137	180	87	85	SE 1	SE	2	8	10	10	009	☁ a. [cast, with ☁ later.	
11	86	78	35.1	40.0	32.0	40.0	2.2	3.0	161	189	76	76	SE	1	SE	1	10	10	—	Overcast and gloomy.	
12	88	91	38.4	39.3	37.4	40.2	1.3	1.7	206	207	89	87	S	1	SE	1	10	10	—	☁ a.	
13	92	83	34.7	32.0	30.8	40.5	2.7	2.0	150	137	74	75	swbys 1	Calm	0	10	10	8	—	☁ a.	
14	29.83	29.90	31.7	36.9	27.1	36.0	1.3	1.8	149	185	82	85	Calm	0	Calm	0	10	10	002	☁ a.	
15	30.01	30.05	30.8	32.3	30.4	41.5	0.7	1.0	230	161	95	88	Calm	0	Calm	0	10	10	009	☁ a.	
16	30.08	30.00	31.3	40.2	27.7	42.3	0.4	1.9	166	211	94	85	Calm	0	Calm	0	10	10	—	☁ a.	
17	29.96	29.89	40.4	41.1	38.4	42.0	2.1	1.9	209	218	83	85	WhyS 1	WhyS 1	2	10	10	10	—	☁ a.	
18	74	56	34.8	34.0	31.4	42.5	0.9	2.0	184	156	92	79	NNW 1	Calm	0	4	0	020	—	☁ a.	
19	38	23	45.1	47.2	33.3	49.8	1.1	2.0	274	278	81	86	S	4	SbyE 5	1	10	10	020	☁ a.	
20	29.14	29.06	47.0	43.8	43.3	47.7	1.7	1.0	282	264	88	92	SSE 1	3	swbys 1	1	10	10	070	Overcast p.	
21	28.78	28.54	45.2	48.6	40.8	48.6	2.8	2.7	239	278	80	81	swbys 3	ESE	3	9	10	10	103	Overcast. ☁ p.	
22	28.62	28.02	46.0	46.9	44.2	49.1	1.6	2.9	274	254	89	80	E	2	ESE	2	10	10	045	Overcast, with ☁ a.	
23	29.13	29.09	42.3	44.7	41.4	46.9	1.7	1.4	234	264	87	89	NE 1	1	SbyE 2	1	10	10	—	Overcast and gloomy.	
24	28.92	29.13	45.3	40.8	39.6	46.6	1.0	3.0	279	196	92	77	swbys 3	NW 1	1	9	9	045	Overcast and gloomy.		
25	29.21	28.92	37.3	43.1	34.2	43.5	2.0	1.9	184	237	83	85	swbys 1	swb.w 3	1	10	10	10	312	Cloudy a., then overcast. ☁ p.	
26	24	20.44	36.9	35.6	34.5	43.2	1.4	2.2	193	168	89	80	WSW 2	WbyS 1	1	8	5	080	☁ a.		
27	35	06	36.2	41.7	32.9	44.4	1.7	1.1	182	241	86	92	E	1	WSW 1	1	10	10	577	☁ a.	
28	03	29	36.0	40.7	33.9	42.0	1.2	2.9	189	197	89	78	Calm	0	swb.w 1	1	10	0	024	☁ a.	
29	56	71	31.2	34.0	28.6	40.7	2.0	3.0	129	138	73	71	Calm	0	NbyE 1	0	0	0	—	☁ a.	
30	78	80	30.2	28.6	25.7	35.6	2.0	1.6	118	112	70	72	Calm	0	Calm	0	5	—	—	☁ a.	
31	29.69	29.62	30.1	32.5	26.0	34.3	1.4	1.2	132	159	78	86	Calm	0	SSW 1	1	10	10	072	☁ a.	
Mean	29.519	29.516	40.0	41.4	36.2	45.2	1.6	1.9	220	228	85.9	83.9	1.3	1.3	8.2	8.0	2.982				

HILLINGTON.—DECEMBER 1888.

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.

Long. 6 55 E. Lat. 52° 48' N.

1	29° 57'	29° 76'	38° 9'	42° 0'	38° 5'	44° 4'	1° 1'	1° 1'	215	243	91	91	NW	2	SW	1	6	0	—	Sunny 10a.—3p.	
2	94	90	45° 0'	45° 0'	41° 2'	51° 4'	0° 7'	1° 3'	283	303	94	91	SW	2	SW	2	6	10	0080	Very fine and sunny.	
3	84	29° 74'	49° 8'	51° 3'	47° 3'	51° 7'	1° 5'	1° 6'	319	336	89	89	SW	4	SW	6	10	10	0003	Overcast all day.	
4	29° 87'	30° 03'	52° 3'	51° 1'	50° 9'	55° 6'	0° 6'	0° 3'	375	367	96	98	SW	2	SW	1	9	10	0003	Splendid day, and very mild.	
5	30° 03'	30° 05'	51° 5'	50° 0'	47° 1'	54° 4'	0° 7'	0° 5'	362	348	96	97	S	3	S	3	10	10	0009	Overcast and gloomy. ☁ p.	
6	30° 10'	29° 94'	44° 0'	38° 9'	38° 6'	51° 5'	2° 2'	1° 1'	239	215	83	91	SW	1	SE	1	10	3	—	Overcast all day, with wet ☁ (mist).	
7	29° 98'	29° 98'	42° 0'	43° 5'	36° 1'	44° 8'	0° 3'	0° 0'	260	283	98	100	SSW	1	SSW	0° 5'	4	0	0004	Very fine and sunny. ☁ p.	
8	30° 09'	30° 21'	32° 2'	31° 5'	29° 4'	44° 3'	0° 2'	0° 7'	177	160	98	91	SW	1	NW	0° 5'	10	10	463	☉ all day. Scotch ☁ 4p.—8p.	
9	20	23	31° 3'	33° 9'	26° 4'	43° 2'	0° 2'	0° 3'	172	188	98	97	NW	0° 5'	N	1	0	10	0005	☁ Sunny day. Fine sunset.	
10	20	17	33° 0'	38° 4'	31° 3'	40° 6'	0° 3'	1° 7'	182	198	97	86	S	0° 5'	SSE	2	8	10	0003	☁ a. Fine and sunny. ☁ 6p. ☁ p.	
11	26	30	33° 9'	29° 1'	28° 4'	39° 3'	1° 9'	0° 4'	157	148	80	93	S	1	S	0° 5'	8	7	—	☁ a. Cloudy, then fine and sunny.	
12	28	18	30° 8'	29° 5'	26° 7'	37° 7'	0° 4'	0° 2'	160	157	94	97	S	0° 5'	SSE	1	0	0	—	☁ a. and p. Fine day. Much cirrus.	
13	17	20	31° 9'	32° 2'	23° 8'	38° 5'	0° 2'	0° 2'	175	177	97	98	S	0° 5'	SW	1	10	10	0023	☁ a. Very fine and sunny. ☁ p.	
14	27	33	32° 0'	33° 9'	30° 3'	37° 2'	0° 2'	0° 2'	176	190	97	98	S	0° 5'	NE	0° 5'	10	10	014	☁ (mist) a. Wet ☁ p., trees drip-	
15	36	27	30° 0'	32° 8'	30° 0'	35° 2'	0° 1'	0° 1'	164	184	98	99	SW	1	SW	2	10	10	012	Wet ☁ all day.	
16	21	30° 19'	30° 0'	29° 9'	28° 6'	35° 9'	0° 2'	0° 2'	161	160	97	97	SW	0° 5'	SW	1	0	10	003	☁ a. Wet ☁ all day.	
17	30° 11'	29° 94'	26° 7'	31° 2'	25° 9'	36° 2'	0° 1'	0° 3'	142	168	99	96	SW	0° 5'	SW	1	10	9	010	☁ a. Fine and sunny. ☁ p.	
18	29° 83'	29° 69'	40° 9'	43° 0'	31° 1'	47° 4'	0° 2'	0° 7'	251	262	99	94	S	1	SSW	2	10	10	—	☁ a., then fine and sunny. ☁ p.	
19	56	20° 44'	41° 8'	39° 9'	39° 3'	46° 7'	0° 4'	0° 5'	256	235	97	96	SE	3	SE	2	10	4	002	Overcast and very damp. Cloudy p.	
20	23	28° 96'	46° 0'	46° 8'	39° 4'	47° 7'	1° 1'	2° 1'	285	271	92	85	SE	4	SE	4	10	6	0060	☁ 6.30p. ☁ p.	
21	08	29° 32'	47° 8'	41° 3'	41° 3'	55° 8'	2° 0'	0° 6'	284	246	86	96	SE	4	SE	1	10	1	012	Overcast.	
22	46	49	41° 2'	41° 9'	37° 6'	45° 6'	0° 3'	1° 1'	252	242	97	92	SE	1	SE	3	10	3	078	Overcast. ☁ p. [sunny. ☁ p.	
23	35	37	44° 1'	42° 8'	40° 1'	47° 0'	0° 4'	0° 1'	279	273	97	99	SW	3	SW	1	10	10	398	Overcast, with ☁ (mist) a., then	
24	60	30	31° 8'	42° 4'	29° 5'	45° 4'	0° 2'	1° 5'	274	238	98	88	SSW	1	S	6	8	0	100	☉ from 5p. Much cir.	
25	60	78	35° 9'	32° 9'	32° 9'	42° 5'	0° 5'	0° 4'	200	179	96	96	SW	1	SW	1	9	0	008	☁ a. ☁ 4p.—7p. ☁ p.	
26	80	47	31° 9'	46° 9'	29° 1'	46° 9'	0° 2'	1° 3'	175	290	97	91	SW	1	S	6	9	10	034	☁ a. Very damp. ☁ p.	
27	36	57	45° 0'	31° 5'	31° 4'	48° 2'	0° 5'	0° 0'	287	177	96	100	SSW	5	NW	0° 5'	10	0	034	☁ a. Fine early a. ☉ from noon.	
28	75	29° 89'	36° 5'	37° 8'	29° 9'	41° 6'	0° 3'	1° 1'	210	205	98	91	NE	1	NE	3	10	10	050	☁ a. ☁ p.	
29	29° 95'	30° 06'	37° 2'	32° 1'	30° 5'	41° 5'	1° 6'	0° 4'	190	172	86	95	NE	3	NE	0° 5'	2	0	010	☁ a. ☁ p.	
30	30° 06'	29° 99'	24° 0'	30° 0'	22° 7'	38° 4'	0° 1'	0° 0'	125	107	97	100	SSE	0° 5'	SW	1	1	0	—	☁ a. and p. Very fine and sunny.	
Mean	29° 872	29° 863	38° 4'	38° 8'	34° 2'	44° 9'	0° 6'	0° 7'	227	228	94° 7'	94° 3'	1° 7'	1° 8'	7° 4'	5° 9'	1° 464				[Splendid red sunset.

CHURCHSTOKE.—DECEMBER 1888.

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.

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.	42.8	48.9	37.2	49.1	1.5	3.0	in.	in.	88	88	79	W	1	W	3	2	10	ins.	—
2	29.15	29.23	42.8	48.9	37.2	49.1	1.5	3.0	.242	.273	88	88	90	SW	2	SW	2	5	5	13.4	Mild, with ☉.
3	*31	*29	48.9	49.5	47.9	51.1	1.8	1.5	.302	.316	88	93	90	SW	4	SSW	1	8	10	150	Rough day, with ☉.
4	*14	*18	53.7	53.9	49.0	54.5	2.5	1.1	.344	.384	83	93	84	SW	4	SSW	1	8	10	150	Fine and spring-like.
5	*36	*48	51.9	46.8	44.2	55.6	2.9	0.9	.312	.298	81	79	90	SW	2	SE	2	8	3	—	Dull, with ☉.
6	*43	*47	54.9	54.9	45.1	55.6	1.1	1.9	.399	.375	93	88	93	SW	2	SW	1	10	5	120	Cool and breezy.
7	*55	*42	49.4	48.4	47.2	55.3	1.2	2.7	.322	.274	91	81	81	ENE	2	SE	3	6	5	—	Dull and cold.
8	*32	*41	43.6	47.7	39.8	51.1	2.7	0.8	.226	.312	79	94	94	SE	2	SE	1	8	10	170	—
9	*53	*59	44.8	33.3	31.8	48.5	0.1	0.4	.295	.182	99	06	06	N	1	NE	1	10	0	—	—
10	*65	*74	34.8	32.9	29.2	47.1	2.1	1.0	.162	.166	80	89	89	NW	2	NW	1	0	1	—	—
11	*75	*72	32.1	30.4	25.2	41.1	1.2	0.5	.154	.155	85	92	91	W	1	SE	1	5	2	—	—
12	*64	*59	32.9	37.3	27.4	38.1	1.0	1.0	.166	.203	89	91	84	NE	1	ESE	2	9	10	—	—
13	*65	*68	35.9	37.7	35.9	39.7	1.0	1.8	.190	.191	91	84	84	SE	1	E	2	10	8	130	—
14	*67	*60	35.4	33.1	31.9	38.3	0.5	1.2	.196	.163	95	87	87	E	3	SE	2	10	9	—	—
15	*63	*70	37.7	33.9	29.1	39.9	1.8	0.2	.191	.190	84	98	98	SE	2	NE	1	10	10	—	—
16	*80	*87	40.3	31.7	29.9	42.1	1.6	0.8	.217	.160	88	90	90	NE	1	NW	1	10	2	—	—
17	*92	*77	34.4	31.9	27.0	39.3	1.5	0.4	.168	.170	84	95	95	NW	1	NW	1	10	0	—	—
18	*77	*67	28.1	25.1	23.3	43.7	0.2	1.2	.148	.096	96	71	71	NW	1	NW	2	1	0	—	—
19	*53	29.35	26.7	39.4	18.3	41.5	1.0	0.5	.112	.231	79	96	96	E	1	SE	1	2	10	026	—
20	29.13	28.95	49.9	45.8	35.8	51.1	1.9	1.9	.309	.266	87	86	86	SE	2	SE	5	9	10	—	—
21	28.92	*86	47.9	39.8	38.0	48.1	1.2	1.9	.304	.205	91	85	85	SSE	4	SSW	2	10	9	—	—
22	*55	*26	45.9	46.9	38.0	47.5	1.6	1.0	.271	.297	89	93	93	ESE	4	SE	2	10	10	130	—
23	*39	*65	45.8	45.4	44.0	47.4	0.9	1.7	.285	.264	93	88	88	SE	2	SE	2	10	10	120	—
24	*86	28.93	43.8	41.0	40.2	46.1	0.9	1.1	.265	.233	93	91	91	SE	1	SE	1	1	1	050	—
25	*80	29.03	47.7	32.9	32.0	48.6	2.8	0.6	.265	.173	80	93	93	SW	2	NW	1	10	0	015	—
26	28.98	28.96	37.5	39.0	31.0	46.1	1.6	1.1	.193	.216	86	91	91	SE	2	W	2	9	0	188	—
27	29.12	29.31	35.4	33.7	30.2	42.9	0.5	1.8	.196	.156	95	81	81	W	1	SE	1	6	2	030	—
28	29.06	28.90	36.9	38.8	31.5	47.1	1.6	0.4	.187	.228	86	97	97	SE	1	SE	1	10	10	1500	—
29	28.86	29.14	31.4	34.9	30.2	44.9	0.5	0.6	.164	.189	94	94	94	W	1	W	1	2	0	—	—
30	29.35	*53	31.9	28.9	27.3	40.8	0.8	1.0	.161	.131	89	83	83	W	1	W	1	2	0	—	—
31	*56	*58	27.5	22.9	22.3	39.1	0.6	0.0	.132	.121	88	100	100	W	1	NW	1	2	0	—	—
32	29.52	29.46	31.9	34.5	20.5	34.9	1.0	0.6	.157	.185	87	94	94	E	1	SE	2	8	0	—	—
Mean	29.519	29.331	40.1	38.8	33.6	45.7	1.3	1.1	.227	.220	88.1	89.3	89.3	1.7	1.6	6.9	4.9	2.9	83	—	—

MARGATE.—DECEMBER 1888.

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.

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.	40.3	41.7	39.0	46.8	1.3	1.3	in.	in.	%	%	SW	2	SW	1	1	0	ins.	Mild day.
2	29.64	29.85	40.3	41.7	39.0	46.8	1.3	1.3	.223	.236	90	90	SW	3	SW	3	7	10	—	Fine and warm.
3	.98	30.02	48.0	49.5	41.7	52.8	1.6	1.5	.295	.316	89	90	SW	3	SW	3	7	10	—	Pretty sunset.
4	.98	29.88	48.3	49.8	41.8	50.7	2.1	4.0	.287	.263	85	74	S	4	S	5	6	0	.010	☂. Dull day.
5	29.99	30.09	50.5	51.0	48.2	52.5	0.7	0.1	.349	.371	96	99	S	2	S	3	10	10	.030	Fine day.
6	30.18	.15	52.9	49.1	48.1	52.9	1.1	1.9	.370	.301	93	86	SSW	3	SW	3	10	0	—	Lovely sunrise and sunset. Fine day.
7	30.17	30.10	49.4	46.9	46.0	52.8	1.1	2.9	.324	.255	92	80	SSW	3	SE	2	10	0	.010	Pretty sunrise and sunset. Fine day.
8	29.98	29.99	45.4	42.2	42.1	52.8	2.2	0.9	.254	.249	84	92	S	2	SE	2	1	0	.r80	☾ before ga. ☀ at night.
9	30.02	29.97	41.9	47.7	39.0	48.6	0.1	0.3	.264	.344	99	98	S	1	SE	1	10	10	.r80	
10	.11	30.20	42.1	41.4	39.2	48.0	0.3	2.0	.261	.219	97	85	N	2	N	2	5	0	.010	
11	.23	.24	35.6	41.7	31.0	42.8	0.0	3.0	.208	.204	100	78	SW	2	N	1	10	0	—	☁ a.
12	.21	.82	35.0	40.1	31.0	42.8	1.8	2.1	.169	.206	82	83	Calm	0	N	2	1	10	—	☁ a. Fine and frosty.
13	.30	.34	37.3	37.6	34.1	40.8	3.3	3.3	.162	.166	73	73	SE	2	SE	2	8	7	—	☁ a. Fine and frosty.
14	.29	.19	33.5	34.6	32.0	38.8	1.5	1.5	.161	.170	84	85	S	3	SE	2	7	0	—	☁ a. Fine and frosty.
15	.19	.23	37.0	40.3	31.0	43.8	0.3	0.6	.214	.237	97	96	Calm	0	Calm	0	10	0	.010	☁ a. Fine day.
16	.28	.32	36.1	42.0	34.2	42.4	0.1	0.3	.211	.260	99	98	NW	2	S	1	10	10	—	☁ all day.
17	.39	.34	38.5	34.2	34.0	43.8	0.6	0.0	.221	.197	95	100	NW	1	N	2	10	10	.010	☁ all day.
18	.27	30.25	33.5	29.0	27.8	35.0	0.0	0.2	.192	.154	100	96	SW	1	SW	1	10	10	.030	☁ all day.
19	30.15	29.97	31.8	36.8	28.0	40.8	0.5	0.5	.167	.208	94	96	SW	1	S	1	10	2	.010	☁ a. Beautiful cirrus. Red sunset.
20	29.91	.77	42.9	40.2	35.0	46.8	0.1	0.1	.274	.247	99	99	SW	1	SSW	3	0	10	.010	Dull day.
21	.62	29.50	42.3	44.0	39.2	47.8	0.6	1.3	.257	.250	96	90	S	1	S	2	0	9	.020	Fine day.
22	.30	28.93	45.8	47.8	43.1	48.8	0.6	2.5	.294	.272	95	82	S	3	SE	4	10	10	.040	Dull day.
23	.07	29.36	48.0	45.0	44.1	49.6	1.3	0.8	.303	.260	91	94	W	1	SW	2	8	0	.020	
24	.49	.54	42.7	44.0	40.7	47.6	0.5	0.3	.263	.280	96	98	S	1	SW	2	0	0	.060	Mild and damp.
25	.45	.38	42.0	48.0	42.0	48.0	2.0	1.0	.225	.309	85	93	NW	3	Calm	0	10	10	.110	☀ p.
26	.67	.39	36.8	47.5	33.6	49.8	1.4	1.7	.191	.288	88	89	S	1	NW	3	2	10	.190	☀ a. ☀ showers from noon.
27	.67	.82	41.0	37.8	37.8	47.5	1.5	1.1	.225	.205	88	91	NW	2	W	2	8	0	.020	Cloudy a. Fine p.
28	.90	.69	40.0	47.0	33.0	47.4	1.6	1.7	.214	.281	87	88	N	2	SSW	5	2	10	—	Windy day.
29	.47	.56	43.8	43.7	43.3	47.0	0.8	0.4	.267	.275	94	96	S	5	NW	2	10	10	.540	☂ a.
30	.63	29.80	43.3	43.3	41.7	43.7	1.3	0.6	.251	.267	90	96	SSW	1	W	1	10	10	.430	
31	29.86	30.03	43.1	43.1	41.4	43.9	2.4	3.1	.227	.214	81	77	E	3	N	2	10	0	.020	Dull and cloudy.
Mean	29.916	29.905	41.5	42.7	38.0	46.5	1.1	1.4	.243	.248	91.3	89.7	1.9	2.0	6.9	5.4	1.760	—		Fine day.

SOUTHAMPTON.—DECEMBER 1888.

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.

1	29°70	29°87	37°9	42°5	32°6	49°3	0°4	0°6	219	259	97	95	SW	1	Calm	0	5	0	018	— <i>a</i> . Fine day throughout. $\bigcirc^2 p$.
2	29°8	29°9	48°3	51°7	42°2	50°4	1°3	2°3	306	324	91	85	SW	1	SW	3	9	10	045	
3	29°2	29°84	51°0	52°6	50°0	53°2	1°7	1°5	331	356	88	90	SW	4	SW	5	10	10	095	Dull day throughout. \bullet^0 from 2p.
4	29°07	30°08	53°3	52°8	52°0	56°2	0°4	0°2	398	394	97	98	SW	1	SW	1	10	10	075	\bullet^0 <i>a</i> . and <i>p</i> . [\bullet^0 6p.]
5	30°08	29°12	53°4	57°0	51°8	58°3	0°5	1°6	394	417	96	89	SW	3	SSW	3	10	10	025	Dull, with \bullet^0 till 10a. Beautiful day.
6	30°15	30°04	52°3	46°8	46°8	57°0	0°5	1°8	379	277	97	87	S	1	SE	1	10	0	—	\bullet^0 till noon, then fine and bright.
7	29°03	29°98	48°8	47°2	44°1	54°7	2°3	1°5	390	289	84	90	SE	2	SE	1	4	10	—	Fine day throughout. \bullet^0 $\bigcirc^2 p$.
8	29°09	30°01	47°3	47°4	46°7	49°7	0°7	0°4	390	317	95	97	SE	1	NNW	5	10	10	140	\bigcirc^2 <i>a</i> . Day dull, with \bullet^0 .
9	30°17	29°26	38°5	35°0	34°9	48°5	0°9	0°4	215	196	92	96	NNW	1	N	1	3	0	—	Beautiful day throughout. \bullet^0 $\bigcirc^2 p$.
10	29°27	29°25	30°3	32°7	29°1	41°6	0°3	0°5	161	176	96	95	NW	1	NE	1	0	0	—	\bullet^0 <i>a</i> . Beautiful day. $\bigcirc^2 p$.
11	29°21	29°15	32°4	43°2	28°0	45°2	0°9	3°0	165	217	89	78	NE	0°5	SE	3°5	9	10	091	\bigcirc^2 \bullet^0 <i>a</i> . Fine and dry.
12	29°22	29°26	41°9	37°0	36°3	44°7	1°6	2°0	233	182	88	83	SE	1	SE	2	10	1	—	Beautiful day. $\bigcirc^2 p$.
13	29°22	29°15	38°0	33°2	32°1	43°6	2°3	0°6	185	177	81	93	SE	1	E	1°5	6	0	—	\bullet^0 <i>a</i> . Beautiful day. \bullet^0 $\bigcirc^2 n$.
14	29°17	29°21	34°0	33°7	32°6	48°7	0°2	0°2	192	190	98	98	ENE	0°5	NE	1°5	0	10	—	\bullet^0 early <i>a</i> . Beautiful day. \bullet^0 $\bigcirc^2 n$.
15	29°31	29°35	30°5	40°7	30°0	41°7	0°2	0°3	165	248	97	97	NE	1	NNW	1	0	10	—	\bullet^0 <i>a</i> . and <i>n</i> . Overcast, raw and cold.
16	29°42	29°38	37°0	35°8	35°5	41°8	0°7	0°5	206	201	94	96	NNW	0°5	N	1	10	10	—	\bullet^0 <i>a</i> . and <i>p</i> . Dull and cold all day.
17	29°33	29°25	32°4	32°2	30°1	36°7	0°0	0°2	184	179	100	98	NW	0°5	NE	1	10	10	010	Very dull and damp, with \bullet^0 till 11a. [Fine <i>p</i> .]
18	30°10	29°06	38°0	44°9	28°6	47°3	0°2	0°9	224	276	98	93	SE	0°5	S	0°5	10	10	—	Fine and mild. $\bigcirc^2 n$.
19	29°87	29°70	45°8	46°2	44°4	47°9	0°6	0°5	293	302	95	97	SSE	1	SE	3	10	5	—	Fine and mild.
20	29°55	29°42	46°7	48°0	44°6	50°3	1°0	0°8	296	314	93	94	SE	1	S	3	10	10	053	\bullet^0 during day.
21	29°15	28°84	47°6	50°0	45°8	51°2	1°6	1°8	290	314	89	87	SE	2°5	SE	5	10	1	478	\bullet^0 early <i>a</i> .
22	28°09	29°28	48°6	47°6	47°1	53°3	1°3	2°6	310	268	91	82	SW	1°5	SW	1	9	1	063	\bullet^0 till 10a., then fine.
23	29°39	29°54	47°8	46°1	45°5	52°3	0°9	0°8	311	293	93	94	SSE	2	SW	1	10	10	156	\bullet^0 early <i>a</i> . \bullet^0 showers.
24	29°44	29°49	48°6	47°6	42°5	53°3	0°7	0°7	325	313	95	95	SW	4	WNW	1	10	0	154	\bullet^0 till 10a., then fine.
25	29°65	29°51	36°9	44°2	31°5	51°2	0°6	1°9	207	248	95	85	SE	1	NW	2	8	0	200	\bullet^0 early <i>a</i> . \bullet^0 showers.
26	29°72	29°02	41°2	35°4	35°3	45°4	1°4	0°5	229	198	89	96	SW	2	Calm	0	6	0	057	Beautiful <i>a</i> . \bullet^0 showers.
27	29°84	29°57	46°6	50°1	32°2	50°7	1°4	2°1	285	308	90	85	SW	2	SW	6°5	9	10	449	Beautiful <i>a</i> . \bullet^0 (gale) <i>p</i> .
28	29°38	29°58	49°5	37°1	37°1	51°0	0°8	0°3	333	215	94	97	SW	3	NW	?	10	10	024	\bullet^0 till 9a. Fine from 10a. $\bigcirc^2 n$.
29	29°77	29°89	37°6	37°9	36°5	41°0	0°9	1°4	208	201	92	89	NNE	1°5	NNE	3°5	10	10	—	Fine and dry, but cold.
30	29°98	30°05	34°2	32°3	32°1	41°2	0°9	0°3	180	178	90	97	N	1°5	NE	1	2	0	—	Beautiful day. $\bigcirc^2 n$.
31	30°05	30°01	31°7	38°6	30°3	41°4	0°4	1°3	170	209	95	90	NE	1	ESE	1	2	10	—	\bullet^0 <i>a</i> . Fine and dry.
Mean	29°900	29°901	42°2	42°8	38°3	48°5	0°9	1°1	258	259	92°9	91°8	1°5	2°0	7°5	6°4	2°133			

BABBACOMBE.—DECEMBER 1888.

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.

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.	42°	47°	35°	53°	1°	1°	in.	in.	%	%	WSW 2	SW 3	1	5	ins.	—	n. Fine and bright. ☁
2	29°50	29°62	42°	47°	35°	53°	1°	1°	2°38	3°05	89	92	SW 3	SSW 5	2	10	°090	—	
3	71	68	49°	51°	49°	53°	1°	2°	311	317	87	84	SSW 8	SW 5	2	10	°470	☁☁☁ (mist)	☉ showers a. and p.
4	56	52	52°	53°	49°	53°	1°	0°	353	416	91	100	WSW 2	S 2	10	10	°110	☁☁	

ARMAGH.—DECEMBER 1888.

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.

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.	42°	47°	33°	49°	0°	0°	in.	in.	%	%	S	1	SW	3	10	10	ins.	233
2	41	41	49°	51°	46°	53°	0°	0°	335	359	94	94	S	5	SSW	3	10	10	462	
3	41	41	55°	53°	50°	57°	0°	0°	420	361	95	87	S	5	SSW	3	10	10	040	
4	42	42	46°	51°	45°	54°	0°	0°	296	330	94	88	SSW	1	S	3	2	10	025	
5	43	43	53°	50°	49°	55°	0°	0°	407	353	98	95	S	3	SSW	2	10	10	—	
6	43	43	50°	52°	45°	55°	1°	1°	343	358	93	89	S	2	SSE	5	10	10	140	
7	43	43	53°	41°	41°	55°	0°	0°	389	250	97	95	S	4	SW	1	10	0	—	
8	29°	29°	38°	36°	35°	45°	1°	0°	208	212	91	98	SW	1	SW	1	8	0	010	
9	30°	30°	37°	31°	30°	43°	1°	0°	196	166	89	95	SW	1	SW	1	0	0	—	a. and p. Fine all day.
10	30°	29°	30°	42°	21°	42°	1°	1°	126	233	78	86	SW	1	SE	1	3	9	125	a.
11	29°	29°	45°	41°	41°	47°	0°	0°	283	258	94	98	SSE	5	SSE	2	10	10	225	
12	29°	29°	40°	43°	33°	47°	1°	1°	219	255	89	92	S	3	SSE	2	3	10	—	
13	29°	29°	45°	44°	42°	47°	1°	1°	265	234	87	80	SSE	4	S	4	10	9	—	
14	29°	30°	46°	41°	41°	46°	0°	0°	295	260	93	99	S	2	N	0.5	10	10	150	
15	30°	30°	34°	40°	31°	42°	0°	1°	188	231	93	92	N	1	WSW	1	8	10	—	a.
16	29°	29°	41°	33°	32°	42°	2°	0°	223	176	85	90	WSW	1	SW	2	10	0	—	
17	30°	30°	39°	38°	32°	40°	1°	1°	218	206	92	90	SW	1	SSW	1	10	10	—	
18	29°	29°	39°	41°	37°	44°	1°	0°	212	246	88	93	S	1	S	2	10	8	—	
19	29°	29°	50°	43°	37°	53°	1°	1°	345	253	93	90	SSE	5	WSW	1	10	10	085	
20	29°	29°	39°	40°	37°	43°	0°	2°	228	210	95	83	S	1	SSE	2	10	8	050	
21	28°	28°	45°	49°	40°	49°	0°	2°	284	290	94	83	SE	5	E	2	10	10	217	
22	28°	29°	46°	43°	43°	50°	0°	0°	298	279	94	98	NE	2	NE	1	10	10	047	Overcast all day.
23	29°	29°	43°	39°	39°	45°	0°	1°	273	220	98	90	NNE	1	S	4	10	10	133	Overcast all day.
24	29°	29°	41°	34°	33°	45°	2°	0°	225	187	85	95	SW	3	SSW	2	3	2	022	
25	29°	29°	42°	39°	31°	44°	2°	2°	221	198	82	83	SSE	5	SW	3	10	9	235	
26	29°	29°	34°	32°	32°	42°	1°	0°	176	175	89	93	SSW	2	SSW	2	7	2	155	
27	29°	29°	42°	38°	31°	44°	0°	2°	260	196	95	84	SSE	4	SSW	4	10	0	—	
28	29°	29°	35°	34°	33°	42°	0°	0°	196	187	93	94	SW	1	NW	1	10	0	—	
29	29°	29°	31°	30°	29°	42°	0°	0°	166	160	94	95	WNW	0.5	WNW	1	0	0	—	Fine all day.
30	29°	29°	28°	31°	24°	39°	0°	1°	130	150	87	83	W	1	SW	1	2	0	—	a.
31	29°	29°	37°	38°	30°	41°	1°	0°	194	232	88	99	S	4	SW	1	10	8	220	Remarkable red sunrise.
Mean	29°	29°	42°	41°	36°	46°	1°	1°	254	244	91°	91°	2°	2°	7°	6°	2°	574		

MARKREE CASTLE (SLIGO).—DECEMBER 1888.

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.

1	29°40	29°45	43°2	45°6	29°8	50°0	0°6	0°8	266	288	95	94	S	3	SSW	1	10	9	350	
2	42	43	49°4	51°0	41°9	51°0	0°2	0°9	348	351	98	94	S	2	SSE	2	10	10	430	
3	43	43	52°2	52°7	50°0	55°7	0°3	1°3	412	362	98	91	SSW	3	SSW	4	10	10	110	Overcast, with
4	46	46	44°4	50°2	41°0	52°7	0°1	1°1	290	335	99	93	SSE	0°5	SSE	2	10	10	070	Overcast all day.
5	46	46	53°0	50°9	49°3	55°0	0°8	1°6	380	332	94	89	S	1	S	1	10	10	—	
6	48	48	49°0	52°4	47°0	54°1	0°5	3°1	335	314	97	80	SSE	1	SSE	8	10	10	640	Overcast all day. (gale) till mid
7	43	29°82	52°0	39°8	38°9	53°1	0°8	0°6	366	232	94	96	SW	2	SSW	0°5	10	4	020	∞ gp.
8	29°99	30°05	30°0	36°1	29°0	45°5	0°0	0°3	168	207	100	97	Calm	0	Calm	0	5	9	060	∞ a.
9	30°17	30°19	28°3	28°0	26°0	42°2	0°0	0°0	155	154	100	100	Calm	0	Calm	0	2	10	010	∞ a. p. 1
10	30°09	29°92	33°9	40°3	25°1	40°9	0°4	0°4	187	242	96	97	SE	1	SSE	4	7	10	270	∞ a.
11	29°76	29°93	47°3	33°3	32°0	47°8	0°4	0°2	317	186	97	98	SE	2	Calm	0	10	6	150	∞ a. p.
12	29°94	29°87	36°1	43°7	30°5	45°5	0°7	0°9	200	205	94	92	SE	2	SE	3	9	9	010	∞ a.
13	29°80	29°83	46°1	44°2	42°1	48°3	2°2	1°5	262	257	84	89	SE	5	SSE	5	10	10	080	Overcast all day.
14	29°96	30°18	45°5	43°0	42°5	46°1	0°1	1°5	303	245	99	88	ESE	0°5	Calm	0	10	8	060	
15	30°34	30°45	29°6	39°8	27°8	43°0	0°2	0°6	159	232	97	96	Calm	0	Calm	0	9	10	—	
16	30°14	30°05	34°1	36°4	27°2	41°3	0°1	0°1	195	213	99	99	W	0°5	Calm	0	10	4	—	∞ p.
17	29°85	29°57	37°4	42°7	36°1	42°9	0°5	1°4	214	244	96	88	SSE	2	SSE	3	9	9	080	
18	29°20	29°23	50°4	41°1	40°1	52°0	0°7	0°7	349	243	95	94	S	4	SSE	0°5	10	10	270	
19	29°29	29°01	34°8	39°1	33°1	41°9	0°2	0°7	198	225	98	94	SSE	0°5	SE	4	6	8	300	
20	28°56	28°45	45°3	47°2	38°4	48°7	0°5	0°8	291	305	96	95	SE	2	E	2	10	10	250	
21	28°74	29°17	46°1	46°4	45°1	49°0	1°1	1°1	287	289	92	92	NNE	1	NW	2	10	10	130	Overcast all day.
22	29°34	29°05	43°2	42°7	40°3	46°4	0°4	0°5	271	263	96	96	WNW	0°5	S	3	8	10	220	
23	29°14	29°38	40°2	34°1	31°3	44°7	1°3	0°2	222	193	90	98	WNW	2	SSW	1	8	8	200	
24	28°95	29°25	39°1	37°8	28°7	44°9	0°8	2°4	223	182	93	80	SE	6	WSW	1	10	4	280	∞ in the evening.
25	29°52	29°64	33°0	30°3	29°8	40°0	0°6	0°1	175	166	93	99	SW	1	Calm	0	8	4	140	∞ gp.
26	29°10	29°13	42°1	39°9	27°1	43°3	0°7	1°4	253	218	94	89	SW	1	SW	2	8	10	070	∞ a.
27	29°33	29°72	40°6	35°4	35°2	45°0	1°7	0°0	218	207	87	100	NNW	0°5	N	0°5	10	9	180	
28	29°94	30°05	31°6	31°1	29°1	42°1	0°1	0°0	176	176	99	100	Calm	0	Calm	0	4	7	040	
29	30°05	29°89	26°1	35°4	22°9	35°5	0°0	1°1	142	186	100	90	Calm	0	S	2	10	10	130	∞ during day.
30	29°69	29°82	38°8	43°0	35°0	43°9	0°5	1°6	226	242	96	87	SSE	2	W	1	10	9	320	
Mean	29°606	29°643	40°8	40°8	34°9	46°3	0°6	0°9	253	243	95°2	93°4	1°5	1°7	8°8	8°6	4°870			

DUBLIN (PHENIX PARK).—DECEMBER 1888.

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.

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.	42.3	49.7	33.2	50.0	2.4	2.8	220	288	82	81	SW 1	SW 2	7	2	ins.	0.005	Dull and cloudy. [showers.
2	54	54	51.6	52.4	49.2	53.4	2.4	2.8	320	366	83	93	SW 4	SW 1	8	10	1.90	0.05	Dull and cloudy, with squally showers.
3	29	39	55.5	53.8	52.3	57.6	1.9	2.0	387	342	88	82	SSW 4	SW 2	10	10	0.025	0.05	a. Dull and cloudy, with squally showers.
4	60	73	52.1	52.8	49.8	56.3	1.7	3.4	344	311	88	77	SW 1	SE 2	7	10	0.020	0.05	a. Dull day throughout.
5	66	76	57.4	49.8	47.1	58.0	2.8	0.6	390	343	83	95	S 2	Calm 0	10	2	0.030	0.05	a. Dull day throughout.
6	87	05	53.4	52.8	48.4	56.4	3.8	3.3	309	314	76	78	SSE 1	SE 3	8	10	0.020	0.05	Squally p.
7	54	29.81	54.5	43.8	43.4	55.5	2.0	0.9	368	266	87	93	S 2	Calm 0	10	1	0.005	0.05	Cloudy, with showers.
8	29.98	30.02	36.8	36.4	34.9	44.9	0.7	0.5	204	206	94	96	Calm 0	W 1	8	1	—	0.05	Dull a. Bright p.
9	30.14	30.19	32.4	26.7	26.3	42.7	0.4	0.2	176	139	96	96	Calm 0	Calm 0	1	1	0.005	0.05	Beautiful day.
10	30.13	29.99	25.7	42.6	22.6	46.3	0.2	2.8	132	215	95	80	Calm 0	ESE 1	1	9	1.60	0.05	a. Beautiful day. U U p.
11	29.86	29.86	44.5	40.9	40.6	49.0	1.2	0.4	281	247	92	97	SE 2	Calm 0	10	1	2.50	0.05	Dull, with till 5.15 p.
12	30.01	29.98	46.0	27.0	50.5	0.2	2.4	161	257	97	83	Calm 0	SE 1	2	8	0.005	0.05	a. Beautiful day from 10.30 a. U p.	
13	29.94	29.89	45.4	37.5	35.4	49.0	1.0	0.7	260	211	87	94	SE 1	Calm 0	10	2	—	0.05	Dull a. Cloudy p.
14	29.96	30.13	41.1	46.6	32.9	49.6	0.3	0.6	252	203	97	96	Calm 0	NNW 1	8	10	0.070	0.05	a. Dull day.
15	30.28	30.35	36.6	33.3	31.8	46.8	0.9	0.6	199	178	92	93	Calm 0	Calm 0	5	2	—	0.05	
16	37	25	36.3	34.1	27.4	44.9	1.0	1.3	196	171	92	86	Calm 0	WSW 1	9	0	—	0.05	
17	30.18	30.09	31.8	30.3	28.9	44.7	0.5	0.7	168	201	94	94	Calm 0	Calm 0	1	9	—	0.05	Beautiful day.
18	29.89	29.05	27.5	46.6	26.3	47.2	0.3	2.8	140	254	94	81	Calm 0	SSW 1	2	9	0.005	0.05	Cloudy, with squally showers.
19	35	27	53.2	45.3	45.2	54.8	3.0	0.7	325	286	80	95	S 3	W 1	9	10	0.50	0.05	Cloudy, with shower a. Bright p.
20	39.28	29.15	38.4	42.2	32.8	47.2	0.4	2.5	224	218	97	82	W 1	SE 1	9	2	0.090	0.05	Cloudy, with showers. a. Bright p.
21	28.66	28.43	47.2	48.1	41.3	51.6	1.0	1.5	300	298	93	89	SE 2	ESE 4	9	2	3.30	0.05	Dull, with showers. [Squally p.
22	28.62	29.07	46.3	43.7	43.0	48.6	1.3	0.8	283	267	91	93	E 1	NW 1	9	8	0.060	0.05	Dull and cloudy, with showers.
23	29.31	21	43.4	43.5	39.5	45.6	0.7	2.8	266	223	95	78	NW 1	SSW 3	10	10	0.010	0.05	Dull a. Cloudy p.
24	15	40	42.7	34.9	32.5	49.6	1.9	0.4	234	195	86	96	SW 2	Calm 0	3	0	0.005	0.05	Cloudy, with showers.
25	16	27	43.2	39.5	33.9	49.3	3.3	1.9	211	205	76	85	SE 2	WSW 2	9	2	2.40	0.05	Beautiful day.
26	53	67	34.6	35.3	33.7	41.0	0.9	1.3	183	181	92	88	WSW 1	SW 1	9	1	0.075	0.05	Cloudy day.
27	24	24	46.7	39.8	29.2	49.6	1.9	2.9	275	190	87	77	SSW 3	SW 1	8	2	0.005	0.05	a. Cloudy day.
28	27	29.65	37.4	35.0	32.3	40.7	3.0	3.1	204	147	92	71	W 1	WNW 1	6	1	—	0.05	Beautiful day.
29	29.88	30.01	28.4	29.7	27.3	38.9	0.3	0.7	147	146	95	88	Calm 0	Calm 0	1	0	—	0.05	Fine and frosty.
30	30.05	29.98	25.6	23.9	21.6	30.2	0.4	0.3	125	118	91	92	Calm 0	Calm 0	2	1	0.015	0.05	Dull day.
31	29.80	29.78	41.1	42.8	23.5	45.0	3.8	0.9	184	256	72	93	SSW 2	WSW 1	8	2	0.045	0.05	
Mean	29.648	29.678	41.4	41.5	35.3	48.2	1.4	1.5	241	237	89.2	87.8	1.2	1.0	6.7	4.2	2.305	0.05	

Part II.—Monthly Summaries from Stations of the Second Order, 1888.

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 forty-three others, the results from which are given only in the form of Monthly Summaries. Of these additional stations, 15 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 1887, by the omission of Leicester, St. Leonard's, and Southbourne, and the addition of Edgeworthstown.

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 four observatories.

The minimum and maximum thermometers were read and set at 9 p.m. at all the stations except at Wolfelee where the hour was 9 a.m. The readings in all cases have been entered to the day on which they were made.

The Mean Pressure (which, as in the volumes for 1886-7, 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 monthly Vapour Tension and Relative Humidity is in most cases the average 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 previous years 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 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) 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 178-179 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 180 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 stated on page 1, 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, 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.
Swanbister (Orkneys)	W. Irvine Fortescue.
Lairg	William Ross (for the Duke of Sutherland, K.G.).
Dunrobin Castle	D. Melville
Gordon Castle	J. Webster (for the Duke of Richmond and Gordon, K.G.)
Glencarron	D. D. Munro (for Lord M'Laren).
Aberdeen	Prof. C. Niven, M.A., F.R.S.
Fort Augustus	Rev. W. Martin Wall (The Monastery).
Braemar	James Aitken.
Fort William	C. Livingston (for Directors Ben Nevis Observatory).
Lednathie	William Morrison (for Stormonth Darling).
Landale (Argyleshire)	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
Dundee	W. Ross McKelvie (The Cemeteries).
Ochertyre	George Croucher (for Sir Patrick Keith Murray, Bart.).
Callton Mor	J. Russell (for John Malcolm of Poltalloch, M.P.).
Glasgow	Prof. R. Grant, M.A., LL.D., F.R.S.
Rosewell	R. W. D. Cameron, M.D.
Rothsay (Isle of Bute)	James Kay.
Marchmont	Peter Loney (for Sir Hugh P. Campbell, Bart.).
Wolfelee	William Cockburn (for Sir W. Elliott, K.S.I.).
Pinmore (Ayrshire)	Peter Donald (for Captain Hamilton).
Glenlee	W. Melville (for George Maxwell).
Cramlington	W. Bonallo, F.R.Met.Soc.
Cargen	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.
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, F.G.S. (for the Yorkshire Phil. Soc.).
Stonyhurst	Rev. S. J. Perry, M.A., F.R.S. (the late).
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.
Llandudno	J. Nicol, M.D., F.R.Met.Soc.
Buxton	J. C. Thresh, M.D.
Cheadle	J. C. Phillips.
Hillington (Norfolk)	Rev. H. 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	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	E. Mawley, F.R.H.S., F.R.Met.Soc.
Kew	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).
Eastbourne	R. Sheward, F.R.Met.Soc.
Rousdon	C. E. Peek, M.A., F.R.A.S., F.R.Met.Soc.
Dartmoor	Dr. F. W. S. Stone.
Babbacombe (Torquay)	E. E. Glyde, F.R.Met.Soc.
Falmouth	E. Kitto, F.R.Met.Soc. (for the Royal Cornwall Polytechnic Society).

Stations.	Observers.
Londonderry	J. Conroy, F.R.Met.Soc.
Lissan (Co. Tyrone)	Sir Nathaniel Staples, Bart.
Armagh	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.).
Edgeworthstown	J. M. Wilson, M.A., J.P.
Glasnevin (Botanic Gardens)	F. W. Moore, M.R.I.A.
Dublin (O.S.O. Phoenix Park)	Sergt. Lipscombe (for the late Lt.-Col. Coddington, R.E.).
Dublin (City)	J. W. Moore, M.D., F.R.Met.Soc.
Parsonstown (Birr Castle)	O. Boeddicker, Ph.D. (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.

SWANBISTER

Long. 3° 8' W. Lat. 58° 56' N. Height above Mean Sea Level, 68 feet.

1888.	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.
					Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.						
January	ins. 29.942	39.6	40.6	40.1	36.2	43.2	24.7	51.2	8th	1.5	1.5	1.5	2.16	2.24	2.20	86.3	87.1	86.7				
February	.936	36.1	35.4	35.8	30.9	39.6	20.2	48.1	6th	2.0	1.7	1.9	1.76	1.74	1.75	81.2	81.5	81.4				
March	.582	36.4	35.1	35.8	31.3	40.2	25.8	47.3	6th	2.1	1.8	2.0	1.77	1.71	1.74	81.3	82.5	81.9				
April	.773	41.4	39.1	40.3	35.1	45.0	27.6	52.3	16th	2.2	1.6	1.9	2.18	2.09	2.14	83.5	86.8	85.2				
May	.803	45.3	43.6	44.5	39.3	49.4	31.1	58.5	18th	2.1	1.4	1.8	2.58	2.56	2.57	84.6	89.5	87.1				
June	.907	50.2	47.2	48.7	42.6	54.2	35.1	62.6	27th	2.9	1.9	2.4	2.97	2.84	2.91	81.9	87.3	84.6				
July	.597	51.6	49.2	50.4	45.2	54.6	39.0	69.0	19th	2.4	1.5	2.0	3.24	3.16	3.20	84.6	89.4	87.0				
August	29.716	52.9	49.7	51.3	45.7	55.5	40.0	63.4	25th	2.2	1.3	1.8	3.45	3.26	3.36	85.5	91.0	88.3				
September	30.003	52.0	48.6	50.3	44.2	55.5	34.0	61.5	13th	2.4	1.6	2.0	3.31	3.08	3.20	84.3	88.5	86.4				
October	29.751	45.9	44.8	45.4	39.9	48.9	30.5	57.0	27th	1.1	1.0	1.1	2.89	2.80	2.85	91.7	92.2	92.0				
November	.538	42.6	42.2	42.4	38.5	44.7	28.3	51.8	25th	2.0	2.4	2.2	2.33	2.22	2.28	84.5	82.2	83.4				
December	29.614	41.9	42.3	42.1	37.9	44.9	27.6	50.6	3rd, 4th	1.5	1.7	1.6	2.36	2.37	2.37	88.1	86.9	87.5				
Year	29.764	44.7	43.2	44.0	38.9	48.0	—	—	—	2.0	1.6	1.8	2.58	2.51	2.55	84.8	87.1	86.0				

LAIRG

Long. 4° 22' W. Lat. 58° 1' N. Height above Mean Sea Level, 458 feet.

January	ins. 29.533	34.9	35.8	35.4	30.5	40.9	12.0	19th	52.0	9th, 10th	0.9	1.1	1.0	in. 1.85	in. 1.91	in. 1.88	% 91	% 91	% 91				
February	.532	31.3	32.8	32.1	26.1	38.8	1.0	16th	51.0	6th	0.5	0.5	0.5	1.64	1.77	1.71	92	94	93				
March	.158	33.0	32.8	32.9	27.0	39.5	15.0	28th	53.0	9th	0.8	0.7	0.8	1.71	1.73	1.72	91	92	92				
April	.363	40.8	38.4	39.6	32.8	47.8	26.0	5, 6, 22	58.0	18th	2.5	1.1	1.8	2.05	2.10	2.08	80	91	86				
May	.396	47.3	43.7	45.5	37.7	54.5	27.0	28th	72.0	23rd	3.3	1.9	2.6	2.50	2.44	2.47	77	85	81				
June	.496	52.4	46.8	49.6	40.5	59.9	28.0	5th	75.0	26th	4.0	2.0	3.0	2.94	2.73	2.84	74	86	80				
July	.265	53.2	49.2	51.2	44.0	60.6	33.0	7th	77.0	19th	2.9	1.5	2.2	3.28	3.13	3.21	81	90	86				
August	.356	54.5	49.8	52.2	45.0	60.3	32.0	16th	74.0	25th	3.5	1.6	2.6	3.29	3.17	3.23	77	88	83				
September	.610	50.3	48.1	49.2	42.6	60.1	26.0	26th	75.0	20th	1.9	1.3	1.6	3.16	3.03	3.10	87	91	89				
October	.368	45.3	45.1	45.2	40.1	51.6	29.0	4th	64.0	27th	1.6	1.2	1.4	2.65	2.72	2.69	88	90	89				
November	.123	40.3	39.2	39.8	34.9	44.4	22.0	29th	56.0	25th	1.6	1.8	1.7	2.17	2.05	2.11	88	85	87				
December	29.202	38.2	39.7	39.0	33.9	44.2	16.0	30th	55.0	3rd	1.1	1.2	1.2	2.08	2.20	2.14	91	90	91				
Year	29.367	43.5	41.8	42.7	36.3	50.2	—	—	—	—	2.1	1.3	1.7	2.44	2.42	2.43	84.8	89.4	87.1				

DUNROBIN CASTLE

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

January	ins. 30.043	38.3	38.7	38.5	33.9	44.0	24.0	20th	57.2	9th	1.8	1.7	1.8	in. 1.99	in. 2.04	in. 2.02	% 85.1	% 86.0	% 85.6				
February	30.028	36.2	36.3	36.3	32.0	41.4	20.5	16th	52.5	5th	1.7	1.4	1.6	1.84	1.89	1.87	85.2	86.6	85.9				
March	29.674	37.2	35.9	36.6	31.8	41.6	26.0	21, 28	50.5	6th	2.3	1.6	2.0	1.80	1.82	1.81	80.5	84.8	82.7				
April	.862	43.8	41.7	42.8	36.5	47.9	28.5	26th	54.7	28th	3.5	2.5	3.0	2.15	2.16	2.16	75.1	80.9	78.0				
May	29.911	48.4	46.2	47.3	41.2	53.2	32.3	10th	64.2	7th	3.2	2.8	3.0	2.68	2.55	2.62	78.5	80.6	79.6				
June	30.003	51.8	49.0	50.4	44.7	55.0	34.5	2nd, 5th	68.1	26th	3.2	2.3	2.8	3.09	2.94	3.02	80.3	84.6	82.5				
July	29.761	53.6	51.8	52.7	47.2	57.6	39.6	7th	65.9	13, 19	2.6	2.0	2.3	3.45	3.35	3.40	83.6	86.6	85.1				
August	29.850	55.9	52.7	54.3	48.1	59.9	41.2	1st	66.3	22nd	3.7	2.6	3.2	3.48	3.34	3.41	77.5	83.4	80.5				
September	30.102	52.7	51.3	52.0	45.3	58.9	34.3	26th	66.8	21st	3.2	2.9	3.1	3.21	3.10	3.16	79.8	81.2	80.5				
October	29.869	48.0	47.0	47.5	41.8	53.2	31.5	3rd	63.7	27th	2.5	1.9	2.2	2.81	2.82	2.82	82.5	86.1	84.3				
November	.621	44.3	42.6	43.5	39.3	46.9	27.7	27th	57.4	14th	3.0	2.8	2.9	2.32	2.18	2.25	78.8	79.1	79.0				
December	29.727	39.6	41.7	40.7	36.7	46.2	25.5	30th	55.3	3rd	1.4	2.0	1.7	2.19	2.26	2.23	88.3	84.5	86.4				
Year	29.871	45.8	44.6	45.2	39.9	50.5	—	—	—	—	2.7	2.2	2.5	2.58	2.54	2.56	81.3	83.7	82.5				

SWANBISTER.

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

1888.	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	8.1	8.1	ins. 2.780	.530	25th	21	5	2	0	0	16	4	7	1	0	6	13	13	12	7	3	
February	-	7.2	7.0	7.1	3.510	.400	6, 14	21	9	6	0	1	11	1	15	6	2	3	3	6	6	16	1	
March	-	8.5	7.7	8.1	3.290	.660	6th	22	10	5	0	2	22	5	16	9	9	8	4	2	4	9	1	
April	-	8.3	6.9	7.6	2.730	.400	10th	22	2	3	0	1	17	4	11	11	5	9	2	3	6	11	2	
May	-	7.3	7.8	7.6	2.920	.400	16th	24	0	3	2	0	14	4	6	3	8	10	2	5	11	17	0	
June	-	7.8	7.4	7.6	1.190	.450	3rd	7	0	0	0	5	16	0	10	13	12	13	2	2	2	5	1	
July	-	7.5	7.7	7.6	2.590	.840	23rd	13	0	0	1	4	16	1	15	11	9	3	2	1	6	11	4	
August	-	8.4	8.6	8.5	2.640	.420	11th	21	0	0	0	2	16	0	7	1	4	9	9	9	8	11	4	
September	-	7.8	7.8	7.8	2.000	.500	3rd	17	0	0	0	4	16	0	6	3	0	5	11	11	11	5	8	
October	-	8.6	8.2	8.4	5.240	.850	25th	27	1	1	1	1	18	3	8	4	2	4	9	8	8	17	2	
November	-	9.0	9.0	9.0	5.680	.700	24th	21	0	4	4	0	24	14	3	5	3	19	8	7	10	5	0	
December	-	6.9	7.2	7.1	2.940	.400	26, 31	23	2	2	1	1	14	9	3	0	1	11	13	14	11	8	1	
Year	-	—	—	—	37.510	—	—	239	—	—	—	—	—	45	107	67	55	100	78	81	95	122	27	

LAIRG.

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

January	-	-	-	-	ins. 2.150	ins. .590	25th	17	8	0	0	-	-	0	1	0	15	0	0	0	18	2	26
February	-	-	-	-	1.800	.450	10th	17	20	0	0	-	-	0	2	0	14	0	0	0	14	3	25
March	-	-	-	-	3.930	.700	24th	19	25	0	0	-	-	0	8	2	21	0	0	0	7	11	13
April	-	-	-	-	2.270	.320	27th	22	5	1	0	-	-	0	1	1	21	0	0	0	14	11	12
May	-	-	-	-	1.980	.260	30th	20	3	0	2	-	-	0	0	4	21	0	0	0	19	11	7
June	-	-	-	-	2.950	.900	3rd	12	1	0	1	-	-	0	0	3	26	0	0	1	6	9	15
July	-	-	-	-	1.870	.240	11th	18	0	0	2	-	-	0	0	1	25	0	0	0	5	10	21
August	-	-	-	-	1.620	.200	4, 24	20	0	0	0	-	-	0	0	0	20	1	0	0	20	0	21
September	-	-	-	-	1.310	.230	11th	17	1	0	0	-	-	0	0	0	11	0	0	0	10	4	35
October	-	-	-	-	3.590	.780	2nd	27	4	0	1	-	-	0	1	0	15	0	0	0	14	15	17
November	-	-	-	-	5.780	1.050	23rd	19	7	0	0	-	-	0	0	1	31	1	0	0	13	6	8
December	-	-	-	-	1.280	.450	29th	18	6	0	0	-	-	0	0	1	27	0	0	0	11	2	21
Year	-	-	-	-	30.530	-	-	226	80	1	6	-	-	0	13	13	247	2	0	1	151	84	221

GORDON CASTLE

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

1888.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.			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.																	
January	29.952	39.1	39.2	39.2	34.9	45.5	19.9	19th	58.8	9th	1.8	1.8	1.8	204	205	205	85	85	85
February	934	34.1	36.1	35.1	30.4	40.6	16.5	15th	53.3	5th	1.4	2.0	1.7	169	176	173	85	82	84
March	562	35.9	34.5	35.2	30.3	41.8	20.0	17, 28	56.3	9th	1.4	1.3	1.4	186	174	180	88	86	87
April	744	43.3	40.7	42.0	35.4	49.5	25.5	9th	61.0	16th	3.7	2.2	3.0	205	210	208	73	83	78
May	800	50.0	46.0	48.0	39.7	57.5	29.0	28th	73.3	19th	4.9	3.5	4.2	247	235	241	69	76	73
June	890	53.1	49.7	51.4	42.9	61.2	31.0	5th	80.2	26th	4.3	3.1	3.7	294	281	288	72	79	76
July	637	54.9	51.1	53.0	46.5	61.4	37.4	7th	78.0	20th	4.0	2.4	3.2	325	315	320	75	83	79
August	751	56.3	52.0	54.2	47.1	62.6	36.0	19th	73.4	25th	4.9	3.1	4.0	322	308	315	70	79	75
September	994	54.0	50.1	52.1	44.8	62.3	31.8	26th	72.0	20, 22	4.1	2.7	3.4	308	294	301	74	81	78
October	770	48.1	47.2	47.7	41.9	53.8	32.0	5th	68.4	27th	3.1	2.7	2.9	262	262	262	78	82	80
November	547	43.1	41.8	42.5	38.1	48.0	25.0	27th	60.0	15th	2.9	2.8	2.9	218	209	214	78	79	79
December	29.623	40.5	41.8	41.2	37.1	46.8	27.0	30th	59.2	3rd	2.5	2.4	2.5	202	217	210	80	82	81
Year	29.767	46.0	44.2	45.1	39.1	52.6	—	—	—	—	3.3	2.5	2.9	245	241	243	77.3	81.4	79.4

GLENCARRON

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

1888.	ins.	Air Temperature.									Humidity.								
		9 a.m.			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.																	
January	29.516	37.9	38.3	38.1	33.5	42.0	19.0	28th	53.6	4th	1.5	1.4	1.5	199	203	201	88	88	88
February	501	31.8	33.6	32.7	28.3	38.5	15.0	11th	47.9	5th	1.1	1.5	1.3	154	162	158	85	84	85
March	125	35.2	34.0	34.6	28.0	40.3	20.0	17th	49.4	9th	1.8	1.5	1.7	171	166	169	83	84	84
April	320	41.7	40.3	41.0	34.2	47.3	26.0	5th	55.8	17th	2.9	2.1	2.5	206	208	207	79	84	82
May	360	48.2	45.6	46.9	39.7	54.4	31.7	10th	73.4	19th	4.1	3.1	3.6	243	238	241	73	79	76
June	428	53.4	50.7	52.1	42.5	61.7	33.0	4th	82.0	26th	5.1	4.5	4.8	280	262	271	69	71	70
July	211	53.3	51.1	52.2	46.2	59.5	36.9	6th	72.7	19th	3.4	2.5	3.0	317	312	315	77	83	80
August	314	53.4	51.7	52.6	47.0	59.2	37.2	17th	68.3	19th	3.1	2.3	2.7	325	324	325	80	85	83
September	567	51.1	48.8	50.0	44.6	57.0	30.6	26th	72.5	14th	2.5	1.8	2.2	312	300	306	83	87	85
October	357	45.4	46.0	45.7	40.9	50.8	29.0	4th	63.0	27th	1.6	2.1	1.9	267	263	265	89	85	87
November	080	42.4	41.3	41.9	36.0	46.5	25.1	27th	56.8	16th	2.8	3.0	2.9	214	200	207	79	77	78
December	29.166	40.9	41.5	41.2	35.4	46.1	19.0	30th	58.2	7th	1.9	1.8	1.9	216	225	221	85	87	86
Year	29.329	44.6	43.6	44.1	38.0	50.3	—	—	—	—	2.6	2.3	2.5	242	239	241	80.8	82.8	81.8

ABERDEEN

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

1888.	ins.	Air Temperature.									Humidity.								
		9 a.m.			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.																	
January	29.988	38.0	38.5	38.3	34.6	42.6	24.0	20th	57.5	9th	1.9	1.9	1.9	192	196	194	84	85	85
February	945	34.5	35.5	35.0	31.3	39.7	11.0	16th	52.7	5th	2.2	2.1	2.2	158	168	163	79	81	80
March	559	35.9	35.5	35.7	31.9	40.1	21.6	28th	52.6	7th	2.2	2.1	2.2	172	168	170	82	81	82
April	779	42.4	40.4	41.4	36.5	46.7	31.5	8th	58.8	14th	3.1	2.3	2.7	208	205	207	77	82	80
May	835	48.0	45.7	46.9	40.6	52.7	31.6	28th	67.4	7th	3.9	3.1	3.5	245	239	242	74	78	76
June	908	50.1	47.9	49.0	43.4	54.2	32.2	6th	62.0	26th	3.2	2.3	2.8	283	278	281	78	84	81
July	651	53.3	51.1	52.2	47.3	57.2	41.1	7th	70.3	20th	3.3	2.1	2.7	318	322	320	78	85	82
August	29.789	54.7	52.3	53.5	47.5	58.9	34.6	19th	67.3	25th	3.7	2.1	2.9	328	336	332	76	85	81
September	30.030	51.6	49.8	50.7	44.2	57.0	35.3	30th	64.9	22nd	2.8	2.0	2.4	311	307	309	81	87	84
October	29.794	47.2	46.3	46.8	42.6	51.7	32.0	4th	62.4	27th	2.2	2.0	2.1	273	268	271	85	86	86
November	588	44.1	43.1	43.6	39.7	47.0	27.4	27th	57.5	19th	3.0	3.0	3.0	225	216	221	77	78	78
December	29.685	40.4	41.4	40.9	36.8	44.9	27.4	30th	53.8	4th	1.7	1.8	1.8	216	224	220	87	87	87
Year	29.796	45.0	44.0	44.5	39.7	49.4	—	—	—	—	2.8	2.2	2.5	244	244	244	79.8	83.3	81.6

GORDON CASTLE.

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

1888.	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 - -	—	—	—	ins. 1'880	—	—	12	6	4	1	—	—	1	3	3	1	4	17	24	5	5	0	
February - -	—	—	—	2'730	—	—	16	8	4	0	—	—	0	2	10	3	3	3	25	5	7	0	
March - -	—	—	—	3'430	—	—	24	15	4	0	—	—	0	4	16	4	8	5	10	3	12	0	
April - -	—	—	—	1'660	—	—	16	4	7	0	—	—	1	14	5	3	6	2	11	7	12	0	
May - -	—	—	—	1'110	—	—	13	3	4	1	—	—	2	9	5	1	13	2	11	4	17	0	
June - -	—	—	—	2'470	—	—	11	1	0	1	—	—	0	4	24	3	12	3	5	2	7	0	
July - -	—	—	—	2'840	—	—	15	0	0	3	—	—	0	10	16	7	12	0	6	6	5	0	
August - -	—	—	—	1'710	—	—	16	0	0	1	—	—	0	4	6	1	10	6	19	4	12	0	
September -	—	—	—	1'300	—	—	12	0	1	0	—	—	0	6	4	0	12	6	26	1	5	0	
October - -	—	—	—	3'530	—	—	18	1	4	1	—	—	0	0	2	0	8	4	32	4	12	0	
November -	—	—	—	2'670	—	—	23	1	1	0	—	—	5	0	8	8	16	2	20	2	4	0	
December -	—	—	—	0'860	—	—	15	1	1	0	—	—	0	0	2	3	16	8	28	2	3	0	
Year - -	—	—	—	26'190	—	—	191	40	30	8	—	—	9	56	101	34	120	58	217	45	101	0	

GLENCARRON.

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

1888.	Amount of Cloud.			Rainfall.		
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OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

FORT AUGUSTUS

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

1888.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Day.	Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 30.008	40.1	39.9	40.0	32.7	43.6	15.6	19th	54.4	9th	1.6	1.0	1.3	in. 2.16	in. 2.26	in. 2.21	87	92	90
February	29.989	37.2	37.5	37.4	28.5	40.6	4.7	16th	50.7	5th	1.3	1.6	1.5	1.96	1.93	1.95	89	86	88
March	586	35.9	36.5	36.2	29.0	41.6	12.4	17th	49.8	9th	1.3	1.7	1.5	1.88	1.84	1.86	89	85	87
April	802	41.5	42.4	42.0	34.7	48.4	24.0	9th	58.2	18th	2.6	2.2	2.4	2.09	2.25	2.17	80	83	82
May	840	47.6	47.0	47.3	40.1	54.9	31.1	12th	77.0	19th	3.2	2.8	3.0	2.56	2.57	2.57	78	80	79
June	900	50.2	51.2	50.7	44.4	59.7	32.2	5th	80.7	26th	2.6	3.7	3.2	2.98	2.86	2.92	83	76	80
July	666	52.8	53.2	53.0	47.9	60.1	40.2	11th	75.7	19th	2.5	2.4	2.5	3.33	3.40	3.37	83	84	84
August	29.781	54.0	53.7	53.9	47.8	61.3	37.0	18th	68.7	25th	2.8	2.8	2.8	3.39	3.37	3.38	81	81	81
September	30.042	50.0	50.0	50.0	43.2	58.9	27.3	26th	70.0	14th	1.6	1.3	1.5	3.19	3.27	3.23	89	91	90
October	29.824	47.3	47.5	47.4	42.7	52.9	31.8	4th	62.1	27th	2.0	1.9	2.0	2.76	2.83	2.80	86	86	86
November	551	43.9	43.2	43.6	39.4	47.9	25.0	28th	58.9	16th	2.7	3.0	2.9	2.29	2.17	2.23	80	78	79
December	29.665	42.0	42.3	42.2	36.3	47.1	21.5	30th	56.4	5th	2.1	1.7	1.9	2.23	2.34	2.29	84	87	86
Year	29.805	45.2	45.4	45.3	38.9	51.4	—	—	—	—	2.2	2.2	2.2	2.57	2.59	2.58	84.1	84.1	84.1

BRAEMAR

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

January	ins. 28.821	34.5	34.6	34.6	30.5	41.3	14.4	19th	52.6	9th	1.5	1.5	1.5	in. 1.75	in. 1.74	in. 1.75	84.5	83.9	84.2
February	782	29.7	31.8	30.8	26.7	37.6	3.7	16th	49.7	5th	1.0	1.3	1.2	1.50	1.56	1.53	88.3	83.7	86.0
March	367	30.0	31.1	30.6	25.0	38.1	2.4	17th	49.0	9th	1.0	0.9	1.0	1.49	1.55	1.52	85.6	86.2	85.9
April	632	38.9	37.9	38.4	32.9	45.7	23.6	9th	54.3	14th	2.5	1.9	2.2	1.92	1.93	1.93	80.0	83.5	81.8
May	682	47.8	44.7	46.3	37.5	54.9	27.7	29th	71.2	19th	4.2	2.7	3.5	2.44	2.43	2.44	73.8	81.6	77.7
June	764	52.4	49.7	51.1	39.8	61.2	26.7	6th	76.7	25th	5.1	3.9	4.5	2.77	2.74	2.76	70.6	75.5	73.1
July	532	52.7	49.8	51.3	44.6	58.5	37.2	8th	70.8	20th	3.7	2.3	3.0	3.07	3.05	3.06	77.1	85.0	81.1
August	676	52.3	50.3	51.3	44.3	59.0	33.4	16th	65.9	25th	3.5	2.4	3.0	3.07	3.08	3.08	78.0	84.2	81.1
September	899	48.3	46.8	47.6	40.5	58.6	30.4	10th	70.5	23rd	2.6	2.1	2.4	2.82	2.77	2.80	82.6	85.4	84.0
October	659	44.2	44.0	44.1	40.5	49.9	29.4	5th	60.0	27, 28	2.0	2.0	2.0	2.52	2.51	2.52	85.4	85.2	85.3
November	442	39.2	38.4	38.8	35.7	43.8	21.2	27th	51.5	16, 19	1.8	1.9	1.9	2.07	1.98	2.03	85.2	84.4	84.8
December	28.528	37.4	38.9	38.2	33.8	42.8	16.4	30th	53.3	3rd	1.6	1.6	1.6	1.96	2.08	2.02	85.4	85.9	85.7
Year	28.649	42.3	41.5	41.9	36.0	49.3	—	—	—	—	2.5	2.0	2.3	2.28	2.29	2.29	81.4	83.7	82.6

FORT WILLIAM

Long. 5° 7' W. Lat. 56° 49' N. Height above Mean Sea Level, 33 feet.

January	ins. 30.064	38.7	39.3	39.0	34.8	43.4	17.7	19th	51.9	4th	1.2	1.4	1.3	in. 2.12	in. 2.13	in. 2.13	91	89	90
February	30.038	34.2	36.0	35.1	30.7	41.3	11.7	16th	50.7	5th	1.6	1.9	1.8	1.66	1.77	1.72	83	83	83
March	29.620	36.1	36.2	36.2	30.9	43.4	21.2	17th	49.7	7th	1.8	1.7	1.8	1.79	1.82	1.81	84	86	85
April	841	43.1	42.3	42.7	36.0	50.5	26.2	26th	57.5	19th	3.4	2.2	2.8	2.09	2.24	2.17	75	84	80
May	885	50.1	48.3	49.2	40.9	57.8	32.2	10th	75.0	19th	4.2	3.3	3.8	2.62	2.61	2.62	72	77	75
June	922	55.5	53.6	54.6	45.4	66.8	35.2	4th	85.8	25th	4.3	4.2	4.3	3.26	3.01	3.14	73	73	73
July	700	54.9	53.3	54.1	47.5	62.3	38.3	6th	75.8	18th	3.4	2.4	2.9	3.39	3.41	3.40	78	83	81
August	29.841	54.9	53.2	54.1	47.8	63.0	36.2	18th	69.8	10th	2.4	2.2	2.3	3.64	3.44	3.54	85	85	85
September	30.092	50.9	50.3	50.6	44.9	59.2	33.2	26th	70.1	19th	2.1	1.9	2.0	3.20	3.16	3.18	87	87	87
October	29.876	47.6	48.0	47.8	43.3	53.6	34.2	1st	63.8	28th	2.0	1.8	1.9	2.82	2.90	2.86	86	87	87
November	596	44.6	43.7	44.2	40.4	49.0	28.2	27th	58.7	16th	2.8	3.1	3.0	2.34	2.19	2.27	80	77	79
December	29.714	42.1	42.9	42.5	38.6	47.4	22.2	30th	55.6	7th	1.7	2.1	1.9	2.32	2.32	2.32	87	85	86
Year	29.849	46.1	45.6	45.9	40.1	53.1	—	—	—	—	2.6	2.4	2.5	2.60	2.58	2.59	81.8	83.0	82.4

MONTHLY SUMMARIES.—FORT AUGUSTUS—BRAEMAR—FORT WILLIAM.

FORT AUGUSTUS.

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

1888.		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	—	—	ins. 4.080	ins. .970	25th	19	4	0	0	—	—	6	6	3	0	1	1	38	7	3	3		
February	-	—	—	—	1.530	.440	13th	16	6	0	0	—	—	2	4	11	3	1	0	28	3	2	6		
March	-	7.3	5.4	6.4	2.610	1.020	7th	15	5	0	0	—	—	2	8	27	1	0	2	12	5	1	6		
April	-	6.2	6.9	6.6	2.040	.380	12th	24	2	1	0	—	—	5	7	21	1	0	2	20	3	0	6		
May	-	7.3	5.6	6.5	2.830	.710	19th	19	0	2	1	—	—	0	7	20	2	2	4	20	2	2	3		
June	-	5.6	4.0	4.8	1.150	.340	9th	11	0	0	0	—	—	1	6	40	0	0	1	6	2	0	5		
July	-	7.9	7.2	7.6	3.810	.700	2nd	24	0	0	1	—	—	0	14	30	0	0	3	9	0	0	6		
August	-	8.7	7.0	7.9	3.430	.780	21st	22	0	0	0	—	—	0	5	13	0	0	2	34	1	0	7		
September	-	7.8	6.3	7.1	1.340	.410	6th	14	0	0	0	—	—	0	2	8	1	1	1	36	0	0	11		
October	-	7.8	5.5	6.7	5.590	.970	28th	20	1	0	0	—	—	0	3	6	0	0	3	34	6	1	9		
November	-	8.1	5.9	7.0	7.800	1.460	21st	20	0	0	0	—	—	3	4	12	4	3	9	25	0	0	3		
December	-	6.4	—	—	3.200	.780	2nd	25	1	0	0	—	—	0	3	2	0	0	1	38	2	3	13		
Year	-	—	—	—	39.410	—	—	229	19	3	2	—	—	19	69	193	12	8	29	300	31	12	78		

BRAEMAR.

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

January	-	-	6.9	5.5	6.2	ins. 3.180	ins. 1.050	4th	14	4	0	0	4	8	2	7	4	0	0	3	43	4	1	0
February	-	-	6.4	6.2	6.3	0.490	.250	18th	13	4	0	0	2	4	1	0	33	1	0	0	11	2	11	0
March	-	-	7.1	7.3	7.2	2.780	.770	7th	21	7	0	0	1	13	0	1	44	0	3	1	10	0	3	0
April	-	-	6.6	6.3	6.5	1.350	.270	22nd	18	9	0	1	0	8	1	3	24	2	0	0	22	1	8	0
May	-	-	6.4	6.4	6.4	3.380	1.020	29th	16	1	0	3	2	7	0	8	2	9	4	1	26	5	7	0
June	-	-	5.6	5.8	5.7	2.750	.710	3rd	10	2	0	1	4	6	0	1	25	7	13	1	8	1	4	0
July	-	-	7.1	7.4	7.3	5.640	2.000	2nd	23	3	0	1	1	13	1	2	28	4	6	1	8	0	13	0
August	-	-	6.7	6.4	6.6	1.970	.420	1st	25	0	0	0	1	7	1	4	3	0	4	2	33	4	12	0
September	-	-	6.5	5.7	6.1	1.040	.320	6th	10	1	0	0	1	7	0	1	18	3	1	8	21	5	3	0
October	-	-	6.7	6.6	6.7	3.020	.950	28th	23	5	0	0	0	4	3	2	4	1	2	0	44	1	8	0
November	-	-	7.6	7.5	7.6	6.450	.860	21st	25	4	0	0	0	9	4	1	15	6	6	0	29	3	0	0
December	-	-	6.8	7.0	6.9	2.950	.780	21st	18	2	0	0	1	7	1	0	2	1	4	2	46	1	6	0
Year	-	-	6.7	6.5	6.6	35.000	—	—	216	42	0	6	17	93	14	30	202	34	43	19	301	27	76	0

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

LEDNATHIE

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

1888.	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°29'1	35°6	35°8	35°7	30°7	41°5	17°0	20th	54°0	9th	1°4	1°7	1°6	in. 183	in. 179	in. 181	87	85	86	
February -	29°230	32°1	33°2	32°7	28°8	39°5	12°4	16th	53°8	5th	1°8	1°8	1°8	142	153	148	77	80	79	
March -	28°841	32°4	32°2	32°3	27°0	38°8	11°5	17th	48°3	7th	1°6	1°4	1°5	149	151	150	81	82	82	
April -	29°071	41°0	38°1	39°6	32°6	47°9	21°3	9th	59°5	14th	3°8	2°2	3°0	183	187	185	71	81	76	
May -	132	47°5	44°1	45°8	37°4	55°2	27°2	29th	67°0	23, 24	4°1	2°5	3°3	236	235	236	72	80	76	
June -	29°198	52°6	48°8	50°7	40°7	60°8	27°0	6th	76°0	26th	4°8	3°0	3°9	278	275	277	70	80	75	
July -	28°963	53°5	50°0	51°8	44°1	58°9	34°0	7th	72°4	20th	3°8	2°3	3°1	309	302	306	75	84	80	
August -	29°102	53°7	51°4	52°6	44°3	60°4	35°0	1, 19, 30	67°0	22, 25	3°6	2°4	3°0	317	318	318	77	84	81	
September -	339	51°7	47°2	49°5	40°8	59°1	31°0	10th	71°5	21st	3°4	1°9	2°7	298	280	289	78	87	83	
October -	29°116	45°7	44°1	44°9	39°5	51°1	29°0	6th	59°3	27th	2°2	2°1	2°2	258	243	251	85	83	84	
November -	28°884	40°7	39°4	40°1	35°8	44°2	21°0	27th	54°8	19th	1°8	1°8	1°8	217	206	212	86	86	86	
December -	28°992	37°1	38°5	37°8	32°2	43°1	17°0	30th	53°5	4th	1°2	1°3	1°3	197	207	202	89	89	89	
Year -	29°097	43°6	41°9	42°8	36°2	50°0	—	—	—	—	2°8	2°0	2°4	231	228	230	79°0	83°4	81°2	

LAUDALE

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

January	ins. 30°068	41°5	41°4	41°5	37°6	45°3	24°0	29th	54°8	9th	1°7	1°4	1°6	in. 233	in. 236	in. 235	86°4	88°7	87°6		
February	30°053	35°5	36°4	36°0	31°7	41°3	19°7	16th	54°3	6th	1°3	1°1	1°2	188	200	194	87°2	89°4	88°3		
March	29°618	37°9	37°2	37°6	33°0	43°1	25°2	18th	59°0	8th	1°6	1°6	1°6	200	193	197	86°2	85°0	85°6		
April	849	44°5	43°5	44°0	38°0	49°7	28°7	3rd	60°0	15th	2°9	2°4	2°7	234	234	234	79°4	82°1	80°8		
May	890	50°4	48°7	49°6	43°1	56°4	32°9	10th	72°0	19th	3°9	3°1	3°5	278	275	277	75°2	79°3	77°3		
June	926	57°4	54°6	56°0	47°5	63°6	37°5	5th	80°2	26th	5°4	3°9	4°7	331	330	331	70°0	76°4	73°2		
July	715	55°8	53°9	54°9	49°1	60°6	39°3	1st	72°8	19th	3°4	2°4	2°9	354	354	354	79°2	84°7	82°0		
August	29°850	56°2	54°0	55°1	49°0	61°2	41°3	16th	66°6	25th	2°8	2°3	2°6	374	356	365	82°4	85°0	83°7		
September	30°103	53°5	51°3	52°4	46°5	59°1	36°0	26th	68°8	1st	2°8	2°2	2°5	339	325	332	81°9	85°7	83°8		
October	29°902	48°6	48°7	48°7	44°4	53°8	33°5	4th	62°3	27, 28	2°0	2°1	2°1	301	298	300	86°4	86°0	86°2		
November	601	45°9	45°4	45°7	39°9	49°7	32°0	27th	58°3	16th	2°9	3°1	3°0	251	241	246	79°6	78°5	79°1		
December	29°723	44°1	44°6	44°4	39°3	48°6	26°6	30th	58°0	2nd	2°1	2°1	2°1	246	251	249	84°2	84°5	84°4		
Year	29°858	47°6	46°6	47°1	41°6	52°7	—	—	—	—	2°7	2°3	2°5	277	274	276	81°5	83°8	82°7		

DUNDEE

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

January	ins. 29°919	38°3	37°9	38°1	34°3	42°1	25°0	2nd	52°5	9th	1°3	1°3	1°3	in. 211	in. 206	in. 209	88°9	88°5	88°7		
February	862	34°5	35°2	34°9	31°5	39°8	16°5	16th	52°3	5th	1°8	1°5	1°7	166	177	172	80°2	83°5	81°9		
March	461	35°9	34°4	35°2	30°8	41°3	23°8	17th	50°6	7th	1°9	0°9	1°4	176	182	179	81°8	89°7	85°8		
April	692	43°3	40°1	41°7	35°5	49°7	25°4	9th	59°5	14th	3°1	1°7	2°4	220	215	218	77°7	85°9	81°8		
May	752	50°6	45°9	48°3	41°0	55°8	34°4	11th	64°2	21st	4°0	2°2	3°1	277	262	270	74°9	84°1	79°5		
June	807	54°3	48°6	51°5	43°8	60°0	34°8	5th	75°0	26th	3°7	1°7	2°7	328	305	317	77°6	88°6	83°1		
July	556	55°5	51°5	53°5	47°6	61°5	38°1	1st	74°2	19th	2°9	1°4	2°2	364	346	355	82°4	90°5	86°5		
August	706	55°6	52°8	54°2	48°0	63°1	40°5	19th	73°1	25th	3°1	2°1	2°6	360	348	354	81°2	86°7	84°0		
September	948	51°9	49°4	50°7	44°5	60°1	34°3	30th	70°6	18th	2°2	1°6	1°9	332	318	325	85°6	89°1	87°4		
October	736	46°9	45°4	46°2	41°4	52°4	32°1	4th	60°6	12th	1°8	1°5	1°7	235	276	281	87°2	88°5	87°9		
November	499	43°5	42°1	42°8	39°2	46°8	28°8	27th	55°2	16th	2°0	1°5	1°8	243	239	241	84°9	88°7	86°8		
December	29°620	38°7	40°3	39°5	35°3	43°8	22°0	30th	53°9	3rd	0°8	1°0	0°9	223	234	229	92°4	91°2	91°8		
Year	29°713	45°8	43°6	44°7	39°4	51°4	—	—	—	—	2°4	1°5	2°0	265	259	262	82°9	87°9	85°4		

MONTHLY SUMMARIES.—LEDNATHIE—LAUDALE—DUNDEE.

LEDNATHIE.

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

1888.	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 -	-	-	-	ins. 5'410	ins. 1'770	4th	14	9	0	0	-	-	5	4	6	0	3	3	11	15	11	9
February -	-	-	-	0'630	'400	18th	11	10	0	0	-	-	3	10	16	2	0	0	1	12	13	4
March -	-	-	-	2'910	-	-	19	14	0	0	-	-	5	13	18	4	4	0	2	3	8	10
April -	-	-	-	1'950	-	-	17	3	0	1	-	-	8	7	13	1	8	1	9	11	5	5
May -	-	-	-	3'740	-	-	19	1	0	4	-	-	7	0	1	3	16	6	5	11	15	5
June -	-	-	-	4'280	-	-	10	2	1	2	-	-	4	8	6	9	19	2	5	3	4	4
July -	-	-	-	4'690	-	-	18	0	0	2	-	-	2	6	11	7	14	0	6	5	7	6
August -	-	-	-	3'000	-	-	20	0	0	3	-	-	0	2	4	4	7	1	14	15	13	2
September -	-	-	-	0'800	-	-	10	2	0	0	-	-	2	0	0	6	7	3	8	14	8	14
October -	-	-	-	4'220	-	-	19	3	1	0	-	-	8	1	7	0	3	3	9	18	17	4
November -	-	-	-	3'200	-	-	26	6	0	0	-	-	9	3	3	17	7	0	3	12	12	3
December -	-	-	-	4'360	-	-	14	4	0	0	-	-	4	4	0	0	9	2	14	13	16	4
Year -	-	-	-	62'99	-	-	197	54	2	12	-	-	57	58	85	53	97	21	87	132	129	70

LAUDALE.

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

Heights above Ground: — Barometer, 11 Feet. — Thermometer, 1 Foot. — Rain-gauge, 1 Foot.																							
				ins.	ins.																		
January	-	8°5	6°6	7°6	7°590	1°650	4th	18	6	3	0	2	15	3	2	2	4	5	10	6	12	3	18
February	-	6°6	6°8	6°7	3°410	7°50	4th	14	11	1	0	2	13	1	3	3	8	1	0	2	12	4	25
March	-	7°2	6°2	6°7	4°380	1°510	7th	16	17	1	0	4	14	1	2	4	24	1	0	1	5	3	22
April	-	7°3	7°7	7°5	4°130	°650	26th	19	3	2	1	1	17	0	9	0	14	5	5	3	9	1	14
May	-	6°8	7°2	7°0	6°720	1°310	2nd	20	1	3	1	5	17	1	7	0	9	5	6	4	8	11	12
June	-	5°3	5°3	5°3	5°020	2°260	11th	10	2	1	0	4	8	0	3	0	17	10	0	2	3	3	22
July	-	8°2	8°3	8°3	3°820	°520	2nd	24	0	1	0	0	20	0	4	1	6	7	5	4	4	2	29
August	-	7°1	7°7	7°4	7°760	°870	23rd	22	0	0	0	4	17	1	5	2	2	9	2	17	2	6	17
September	-	8°1	5°6	6°9	3°130	°500	15th	16	0	1	0	3	14	2	7	4	1	12	1	4	2	7	22
October	-	8°4	7°8	8°1	8°020	1°440	26th	26	5	3	0	1	20	1	19	1	4	3	4	2	11	5	13
November	-	7°9	7°0	7°5	9°570	1°650	21st	18	1	4	3	2	16	5	4	3	15	10	3	1	13	10	1
December	-	8°3	8°5	8°4	11°690	1°540	3rd	27	4	3	1	0	19	0	1	0	14	5	4	0	10	6	22
Year	-	7°5	7°1	7°3	75°240	—	—	230	50	23	6	28	190	15	66	20	118	73	40	46	91	61	217

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

OCHTERTYRE

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

1888.	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°744	37°7	38°9	38°3	32°7	44°7	21°0	1st	54°5	9, 10, 23	1°5	2°1	1°8	in.	in.	in.	%	%	%
February -	.686	35°0	36°6	35°8	30°3	43°5	15°0	16th	55°5	5th	1°9	3°1	2°5	.166	.162	.164	87	84	86	
March -	.276	35°9	36°1	36°0	29°7	43°0	14°0	17th	53°5	3rd	2°3	2°5	2°4	.170	.167	.169	81	74	78	
April -	.510	43°9	42°1	43°0	34°3	52°3	24°0	9th	60°5	15th	3°7	3°6	3°7	.210	.198	.204	73	74	74	
May -	.572	50°7	47°4	49°1	39°8	59°3	30°0	11th	73°5	22nd	3°9	3°6	3°8	.275	.245	.260	75	76	76	
June -	.624	54°9	49°4	52°2	44°1	63°7	29°0	5th	77°5	18, 27	4°5	2°4	3°5	.313	.293	.303	72	84	78	
July -	.380	55°8	54°6	55°2	47°6	63°0	36°0	1st	76°5	20th	3°7	4°8	4°3	.345	.301	.323	77	71	74	
August -	.534	55°6	52°8	54°2	46°8	64°2	38°0	1, 19	71°5	26th	3°7	2°7	3°2	.342	.328	.335	77	82	80	
September -	.772	52°8	51°9	52°4	43°6	63°1	36°0	10th	72°5	19th	2°8	3°5	3°2	.325	.299	.312	81	77	79	
October -	.550	47°8	47°1	47°5	41°5	55°3	30°0	5th	64°0	11th	2°2	2°7	2°5	.279	.261	.270	84	81	83	
November -	.308	42°7	41°7	42°2	38°3	48°3	26°0	27th	58°0	20th	1°9	2°5	2°2	.234	.213	.224	86	82	84	
December -	29°434	38°5	40°5	39°5	34°0	45°8	20°0	30th	55°0	4th	1°1	1°9	1°5	.211	.213	.212	91	85	88	
Year -	29°533	45°9	44°9	45°4	38°6	53°9	—	—	—	—	2°8	3°0	2°9	.256	.240	.248	80°4	79°0	79°7	

CALLTON MOR

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

January	ins. 29.975	39.7	39.5	39.6	35.9	41.4	20.4	29th	50.3	4th, 8th	1.2	1.3	1.3	in.	in.	in.	%	%	%		
February	.936	35.6	35.1	35.4	30.1	43.3	16.4	16th	49.0	5th	1.9	1.4	1.7	.174	.177	.176	83	86	85		
March	.495	37.8	36.2	37.0	30.9	42.2	19.4	17th	51.3	23rd	2.3	1.3	1.8	.184	.189	.187	81	89	85		
April	.737	44.8	41.1	43.0	36.0	50.1	26.4	3rd	56.3	14th	3.5	2.1	2.8	.222	.214	.218	75	83	79		
May	.792	51.1	46.2	48.7	41.9	57.2	30.4	10th	72.8	24th	3.5	2.3	2.9	.289	.261	.275	77	84	81		
June	.804	57.6	52.8	55.2	46.4	63.9	35.4	5th	80.7	26th	6.0	2.9	4.5	.313	.324	.319	66	80	73		
July	.594	56.2	52.4	54.3	49.3	61.0	39.4	1st	74.7	20th	3.6	1.8	2.7	.352	.346	.349	78	88	83		
August	.746	56.4	53.0	54.7	48.8	62.2	39.4	2nd	70.3	11th	2.7	1.6	2.2	.377	.358	.368	83	89	86		
September	.994	53.0	49.3	51.2	45.2	60.4	34.4	10th	68.3	20th	2.8	2.0	2.4	.327	.301	.314	81	86	84		
October	.798	48.3	47.1	47.7	42.1	53.8	32.4	3rd, 5th	63.3	28th	2.0	1.7	1.9	.289	.283	.286	86	88	87		
November	.498	44.4	43.2	43.8	40.8	50.7	32.4	28, 29, 30	54.3	16th	2.3	1.9	2.1	.242	.238	.240	83	85	84		
December	29.630	41.4	43.0	42.2	37.4	47.9	23.4	30th	56.3	4th	1.6	1.8	1.7	.228	.238	.233	88	86	87		
Year	29.750	47.2	44.9	46.1	40.4	52.8	—	—	—	—	2.8	1.8	2.3	.268	.262	.265	80.9	86.2	83.6		

GLASGOW

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

January	ins. 29.926	39.1	39.4	39.3	33.7	43.3	21.2	29th	51.5	9th	1.2	1.5	1.4	in.	in.	in.	%	%	%		
February	.862	35.4	36.0	35.7	32.7	41.1	19.5	16th	49.9	5th	1.8	1.6	1.7	.175	.183	.179	82.2	82.9	82.6		
March	.434	36.6	36.0	36.3	32.4	41.7	21.6	17th	52.6	8th	2.4	1.4	1.9	.175	.186	.181	78.4	85.7	82.1		
April	.676	43.3	41.8	42.6	37.1	49.2	28.9	9th	57.5	14th	3.6	2.3	3.0	.210	.220	.215	74.1	82.2	78.2		
May	.744	50.4	47.4	48.9	42.9	57.8	35.8	9th	69.8	23rd	4.4	2.8	3.6	.267	.268	.268	72.3	80.5	76.4		
June	.757	53.4	50.7	52.1	46.2	61.9	37.8	5th	74.8	26th	4.2	3.0	3.6	.305	.299	.302	74.4	80.5	77.5		
July	.526	54.9	53.1	54.0	49.3	61.3	41.2	31st	72.1	19th	3.2	2.2	2.7	.349	.349	.349	80.6	85.8	83.2		
August	.698	55.7	53.1	54.4	49.6	61.5	41.0	2nd	66.0	12th	3.2	2.3	2.8	.357	.346	.352	80.2	85.3	82.8		
September	.940	51.2	49.7	50.5	46.0	58.2	38.3	30th	64.8	14th	2.4	1.7	2.1	.318	.319	.319	84.2	88.5	86.4		
October	.744	47.9	46.4	47.2	43.0	53.0	32.5	4th	61.5	27th	2.2	1.8	2.0	.287	.279	.283	84.3	86.7	85.5		
November	.463	43.7	42.8	43.3	39.8	47.5	32.5	27th	56.3	16th	2.3	2.1	2.2	.241	.235	.238	83.3	84.4	83.9		
December	29.601	40.8	41.8	41.3	38.1	45.7	23.5	30th	55.3	3rd	1.5	1.4	1.5	.228	.241	.235	87.7	89.0	88.4		
Year	29.698	46.0	44.9	45.5	40.9	51.9	—	—	—	—	2.7	2.0	2.4	.261	.262	.262	80.9	84.8	82.9		

MONTHLY SUMMARIES.—OCHTERTYRE—CALLTON MOR—GLASGOW.

OCHTERTYRE.

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

1888.		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	6.0	6.1	ins. 4.850	ins. 1.720	5th	15	2	0	0	6	11	0	0	3	11	0	0	14	19	6	9		
February	-	5.7	6.2	6.0	0.590	.210	1st	12	5	0	0	2	10	0	1	9	22	0	0	0	9	14	3		
March	-	6.9	7.1	7.0	3.250	.740	16th	17	5	0	0	3	15	0	5	10	29	1	1	1	9	4	2		
April	-	6.8	6.3	6.6	2.230	.570	20th	18	0	1	1	2	10	2	12	5	15	0	0	5	14	5	4		
May	-	6.6	5.4	6.0	4.130	.880	30th	16	0	0	4	5	11	0	4	1	18	4	0	7	16	8	4		
June	-	5.5	5.4	5.5	3.580	1.260	3rd	13	0	0	2	8	8	0	7	6	25	2	0	5	4	4	7		
July	-	7.7	7.7	7.7	6.620	1.910	23rd	22	0	0	4	2	17	0	9	5	28	3	2	5	5	0	5		
August	-	7.9	5.5	6.7	2.300	.490	24th	14	0	0	1	0	12	0	5	0	12	0	2	13	16	7	7		
September	-	—	—	—	0.540	.170	16th	10	0	0	0	—	—	0	5	1	13	2	0	8	9	7	15		
October	-	8.1	6.5	7.3	3.170	.800	29th	13	2	0	1	2	15	0	2	2	8	0	0	15	17	12	6		
November	-	8.7	7.5	8.1	7.890	1.540	13th	26	0	0	1	0	19	1	0	3	28	0	0	6	22	0	1		
December	-	6.7	7.2	7.0	4.390	1.190	3rd	17	1	0	0	1	14	0	1	1	6	0	2	14	22	4	12		
Year	-	—	—	—	43.540	—	—	193	15	1	14	—	—	3	51	46	215	12	7	93	162	71	75		

CALLTON MOR.

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

January	-	-	5.9	5.1	5.5	ins. 3.590	ins. .950	24th	14	5	2	0	2	3	7	7	10	0	9	0	16	8	12	0
February	-	-	3.9	4.1	4.0	2.350	.520	14th	16	5	1	0	5	2	2	14	17	7	1	0	6	2	11	0
March	-	-	3.9	4.7	4.3	3.810	.900	7th	17	6	2	0	5	2	6	12	23	10	1	1	9	2	4	0
April	-	-	4.1	4.7	4.4	2.880	.450	26th	17	0	1	1	3	1	5	5	25	2	5	1	9	6	6	1
May	-	-	4.6	4.2	4.4	5.150	1.470	29th	18	1	1	3	9	2	6	11	4	5	10	6	10	6	9	1
June	-	-	3.2	3.6	3.4	5.360	1.950	11th	12	0	0	4	12	1	5	3	15	8	14	9	6	1	3	1
July	-	-	5.4	5.1	5.3	4.420	.700	2nd	24	0	0	1	1	0	1	3	6	12	13	4	7	3	9	5
August	-	-	4.8	4.9	4.9	4.900	.670	3rd	19	0	0	0	3	1	1	6	2	4	8	3	11	11	17	0
September	-	-	4.7	3.4	4.1	2.620	1.310	1st	13	0	0	0	7	1	0	7	9	0	20	2	7	2	11	2
October	-	-	5.4	4.4	4.9	4.010	.470	30th	22	3	2	1	0	1	0	6	10	1	9	1	15	0	20	0
November	-	-	5.2	4.7	5.0	6.610	1.100	23rd	22	3	5	7	3	1	17	3	5	18	7	0	12	6	9	0
December	-	-	5.5	4.7	5.1	4.950	.680	2nd	22	2	3	0	3	2	4	8	1	0	12	7	18	5	11	0
Year	-	-	4.7	4.5	4.6	50.650	—	—	216	25	17	17	53	17	54	85	127	67	109	34	126	52	122	10

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ROSEWELL

Long. 3° 7' W. Lat. 55° 51' N. Height above Mean Sea Level, 686 feet.

1888.	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.	in.	in.	%	%	%			
January	29.342	36.8	36.4	36.6	31.8	45.1	22.0	19th	56.0	11th	0.9	1.7	1.3	201	184	193	93	85	89
February	29.275	32.7	33.2	33.0	28.8	38.6	14.2	17th	49.8	5th	1.4	1.3	1.4	157	163	160	84	86	85
March	28.880	33.1	33.4	33.3	28.5	40.6	20.0	18th	51.2	8th, 10th	0.9	0.9	0.9	170	173	172	90	90	90
April	29.123	39.9	38.4	39.2	31.6	46.7	27.0	26th	58.2	14th	2.2	1.7	2.0	203	199	201	83	87	85
May	29.185	48.7	45.0	46.9	37.9	57.0	30.0	29th	74.0	19th	4.4	2.9	3.7	243	235	239	71	79	75
June	29.231	50.6	47.4	49.0	42.4	57.6	31.2	5th	69.0	26th	2.3	1.7	2.0	311	286	299	84	88	86
July	28.992	53.0	51.6	52.3	46.8	59.3	37.0	1st	71.0	20th	2.3	2.3	2.3	340	323	332	84	84	84
August	29.158	55.2	52.5	53.9	45.0	60.4	31.0	2nd	68.0	25th	2.8	2.5	2.7	357	328	343	82	83	83
September	29.382	51.1	48.3	49.7	43.0	58.3	36.0	30th	69.0	22nd	1.9	1.8	1.9	327	294	311	86	88	87
October	29.192	46.5	44.4	45.5	40.1	52.0	29.5	2nd	61.0	28th	1.6	1.6	1.6	279	257	268	88	88	88
November	28.929	42.1	40.5	41.3	36.6	46.1	27.0	28th	56.8	16th	1.4	0.8	1.1	238	235	237	89	94	92
December	29.074	40.2	39.9	40.1	34.7	45.3	23.8	30th	56.0	3rd	1.2	1.0	1.1	224	226	225	90	92	91
Year	29.147	44.2	42.6	43.4	37.3	50.6	—	—	—	—	1.9	1.7	1.8	254	242	248	85.3	87.0	86.2

ROTHESAY

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

1888.	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.
		ins.									ins.	in.	in.	%	%	%			
January	30.013	40.0	40.2	40.1	37.0	45.1	24.9	29th	54.5	9th	1.2	1.5	1.4	227	224	226	88.6	86.6	87.6
February	29.959	35.7	36.1	35.9	32.8	42.7	20.4	16th	49.2	6th	1.2	1.3	1.3	187	191	189	86.2	86.2	86.2
March	29.527	37.7	35.7	36.7	31.8	43.8	22.9	17th	53.1	8th	2.4	1.5	2.0	185	182	184	80.1	84.5	82.3
April	29.767	44.3	41.8	43.1	37.0	50.9	29.6	3rd	59.0	14th	3.1	2.1	2.6	228	225	227	77.6	83.5	80.6
May	29.826	51.5	47.2	49.4	42.0	57.8	33.4	10th	72.5	19, 23	3.8	2.4	3.1	293	274	284	76.5	83.3	79.9
June	29.840	55.7	52.4	54.1	45.9	63.4	38.8	5th	78.3	26th	3.9	2.6	3.3	343	331	337	77.0	83.6	80.3
July	29.623	56.2	52.8	54.5	48.5	62.1	40.3	11th	76.6	19th	2.7	1.6	2.2	380	362	371	84.0	89.7	86.9
August	29.788	57.0	52.6	54.8	49.0	63.0	40.6	1st	70.2	25th	2.7	1.5	2.1	391	357	374	84.1	89.5	86.8
September	30.028	53.3	49.2	51.3	45.5	61.0	35.9	30th	68.0	19th	2.1	1.3	1.7	353	321	337	86.2	91.0	88.6
October	29.838	48.6	45.8	47.2	42.1	54.5	31.4	4th	64.1	26th	1.6	1.3	1.5	309	285	297	89.1	90.0	89.6
November	29.546	44.4	43.1	43.8	40.1	48.4	31.9	27th	55.2	25th	2.1	1.9	2.0	251	240	246	84.6	85.1	84.9
December	29.682	41.2	41.9	41.6	38.0	46.7	26.4	30th	54.1	3rd	1.2	1.2	1.2	239	247	243	89.5	90.5	90.0
Year	29.786	47.1	44.9	46.0	40.8	53.3	—	—	—	—	2.3	1.7	2.0	282	270	276	83.6	87.0	85.3

MARCHMONT

Long. 2° 25' W. Lat. 55° 44' N. Height above Mean Sea Level, 488 feet.

1888.	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.
		ins.									ins.	in.	in.	%	%	%			
January	29.562	37.0	35.5	36.3	33.3	42.6	20.4	19th	53.0	8th, 10th	1.0	0.9	1.0	200	191	196	91	92	92
February	29.469	34.4	33.4	33.9	30.9	39.2	23.4	12, 13	50.0	5th, 6th	1.2	0.7	1.0	175	177	176	87	92	90
March	29.090	34.2	32.5	33.4	30.8	40.6	24.0	28th	52.0	10th	1.1	0.3	0.7	176	179	178	88	97	93
April	29.333	41.4	37.4	39.4	35.1	48.1	29.0	8th, 9th	59.0	14th	2.1	1.0	1.6	218	204	211	84	92	88
May	29.420	49.3	46.2	47.8	40.3	56.3	31.4	29th	72.0	19th	4.1	2.0	3.1	256	267	262	72	86	79
June	29.424	50.8	45.8	48.3	43.6	58.2	36.4	5th	75.0	26th	3.4	1.6	2.5	287	272	280	77	89	83
July	29.218	53.3	49.9	51.6	46.3	59.8	39.4	5th	73.0	20th	3.0	1.6	2.3	326	318	322	80	89	85
August	29.370	55.6	52.5	54.1	47.3	60.8	38.4	19th	67.0	19th	4.5	1.3	2.9	322	359	341	73	90	82
September	29.599	52.1	46.0	49.1	43.1	59.2	36.4	30th	71.0	22nd	2.7	1.3	2.0	319	280	300	81	91	86
October	29.413	46.6	42.1	44.4	39.3	52.9	26.4	4th	60.0	27th	2.4	1.2	1.8	262	242	252	83	90	87
November	29.157	41.9	40.8	41.4	37.9	45.8	28.4	27th	55.0	15th	1.5	0.7	1.1	235	239	237	89	95	92
December	29.286	37.8	36.2	37.0	32.9	43.1	24.4	30th	56.0	4th	0.8	0.9	0.9	210	197	204	93	92	93
Year	29.362	44.5	41.5	43.0	38.4	50.6	—	—	—	—	2.3	1.1	1.7	249	244	247	83.2	91.3	87.5

MONTHLY SUMMARIES.—ROSEWELL—ROTHESAY—MARCHMONT.

ROSEWELL.

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

1888.	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	8.3	8.2	ins. 1.990	ins. .600	25th	15	5	0	0	0	18	1	5	9	1	8	0	18	7	14	0	
February	-	8.2	9.8	9.0	1.930	.500	13th	14	9	0	0	0	22	0	2	15	6	8	0	9	5	13	0	
March	-	7.9	9.8	8.9	3.500	.540	29th	16	8	0	0	0	22	0	3	11	8	7	3	18	5	7	0	
April	-	8.8	9.3	9.1	1.800	.540	20th	15	1	0	0	0	25	0	9	10	7	7	2	15	3	7	0	
May	-	7.5	7.9	7.7	0.850	.280	2nd	10	0	0	1	2	16	2	2	4	4	16	3	12	5	16	0	
June	-	6.2	5.1	5.7	0.850	.800	2nd	2	0	0	1	3	7	1	0	19	19	6	0	6	2	7	1	
July	-	8.4	7.9	8.2	—	—	—	16	0	0	0	1	20	0	6	7	19	1	5	10	4	10	0	
August	-	8.1	6.4	7.3	2.040	.560	12th	14	0	0	0	2	16	2	2	1	9	1	2	30	10	7	0	
September	-	5.8	4.9	5.4	0.720	.160	1st	8	0	0	0	7	11	2	3	5	6	3	1	29	8	5	0	
October	-	6.7	5.5	6.1	1.580	.440	30th	11	1	0	0	5	13	5	3	2	0	3	0	27	9	18	0	
November	-	9.1	7.2	8.2	4.960	.600	27th	23	2	0	0	0	19	9	1	4	6	18	1	15	6	9	0	
December	-	7.2	5.9	6.6	1.540	.330	2nd	12	0	0	0	2	9	1	0	0	1	7	0	34	16	4	0	
Year	-	7.7	7.3	7.5	—	—	—	—	26	0	2	22	198	23	36	87	86	85	17	223	80	117	1	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

WOLFELEE

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

1888.	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° 46'5	37° 2	36° 3	36° 8	31° 2	42° 7	14° 0	29th	51° 5	9th	1° 1	1° 3	1° 2	in.	in.	in.	%	%	%	
February -	29° 37'2	33° 9	33° 0	33° 5	28° 0	39° 3	16° 0	2, 12, 17	50° 5	6th	1° 6	1° 3	1° 5	1° 65	1° 64	1° 65	82° 9	82° 8	82° 9		
March -	28° 97'1	34° 4	33° 2	33° 8	27° 1	40° 7	17° 0	18, 28	54° 0	22nd	1° 2	1° 1	1° 2	1° 77	1° 69	1° 73	87° 3	87° 0	87° 2		
April -	29° 21'8	41° 4	38° 2	39° 8	31° 8	48° 9	21° 5	9th	59° 0	15, 16	2° 5	1° 6	2° 1	2° 13	2° 02	2° 08	80° 4	86° 1	83° 3		
May -	30° 8	49° 6	45° 6	47° 6	37° 5	59° 4	26° 0	29th	78° 0	20th	3° 3	2° 2	2° 8	2° 82	2° 63	2° 73	78° 5	84° 4	81° 5		
June -	32° 1	51° 0	48° 5	49° 8	41° 1	61° 0	31° 0	5th	82° 0	27th	2° 4	1° 7	2° 1	3° 18	3° 07	3° 13	84° 1	88° 3	86° 2		
July -	30° 91	54° 8	51° 1	53° 0	43° 5	62° 0	29° 5	1st	75° 0	21st	2° 9	1° 6	2° 3	3° 57	3° 37	3° 47	82° 7	89° 0	85° 9		
August -	27° 0	55° 3	50° 9	53° 1	44° 3	62° 7	34° 0	2nd	69° 0	20, 26	3° 3	1° 9	2° 6	3° 50	3° 28	3° 39	79° 5	86° 9	83° 2		
September -	24° 90	50° 4	47° 2	48° 8	38° 7	61° 6	30° 5	30th	72° 5	22nd	2° 3	1° 3	1° 8	3° 13	2° 99	3° 06	85° 0	90° 8	87° 9		
October -	30° 9	44° 7	43° 6	44° 2	36° 8	53° 1	23° 5	2nd	59° 8	21, 28	1° 8	1° 5	1° 7	2° 63	2° 59	2° 61	86° 5	88° 5	87° 5		
November	30° 47	42° 3	40° 9	41° 6	35° 5	46° 6	23° 0	29th	55° 0	16th	1° 9	1° 7	1° 8	2° 36	2° 23	2° 30	85° 5	85° 8	85° 7		
December	29° 18'1	38° 1	38° 6	38° 4	31° 9	43° 5	16° 5	30th	53° 6	4th	1° 2	1° 1	1° 2	2° 12	2° 19	2° 16	88° 1	89° 2	88° 7		
Year -	29° 25'4	44° 4	42° 3	43° 4	35° 6	51° 8	—	—	—	—	2° 1	1° 5	1° 8	2° 57	2° 47	2° 52	84° 2	87° 1	85° 7		

PINMORE

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

	ins.																					
January	29.940	37.5	37.7	37.6	33.2	43.7	15.5	29th	52.1	8th	1.1	1.1	1.1	in.	in.	in.	88.7	87.7	88.2			
February	28.68	33.9	33.0	33.5	27.3	43.4	6.0	16th	49.2	17th	1.3	1.4	1.4	174	169	172	85.0	81.7	83.4			
March	24.33	36.9	34.6	35.8	29.2	44.6	15.5	17, 20	53.1	29th	1.8	1.1	1.5	187	182	185	83.2	88.2	85.7			
April	26.79	44.6	40.5	42.6	35.4	51.3	20.5	9th	59.1	14th	3.1	1.9	2.5	232	215	224	77.9	84.1	81.0			
May	27.51	52.2	47.1	49.7	40.3	59.4	27.0	10th	74.9	19, 22	4.3	2.6	3.5	292	271	282	74.5	82.2	78.4			
June	27.31	58.3	52.9	55.6	45.7	65.1	35.0	5th	84.9	26th	4.7	2.5	3.6	360	341	351	74.0	84.0	79.0			
July	25.29	56.7	52.7	54.7	48.1	61.8	37.4	1st, 8th	73.9	19th	3.0	1.5	2.3	378	361	370	82.3	89.8	86.1			
August	27.12	57.0	52.6	54.8	47.2	62.9	32.7	1st	68.0	10th	2.8	1.1	2.0	385	368	377	82.8	91.8	87.3			
September	29.32	52.4	47.1	49.8	41.4	61.3	30.9	26th	67.0	20th	2.1	1.1	1.6	341	302	322	86.3	92.0	89.2			
October	27.68	46.5	44.7	45.6	40.0	54.1	24.5	22nd	62.3	20th	1.3	1.5	1.4	291	270	281	89.8	88.6	89.2			
November	24.59	43.9	43.2	43.6	39.0	48.4	26.5	28th	54.7	15th	2.0	2.1	2.1	250	239	245	85.1	84.2	84.7			
December	29.608	40.4	41.5	41.0	36.5	45.9	17.5	30th	54.1	3rd, 4th	1.2	1.4	1.3	232	238	235	89.0	88.6	88.8			
Year	29.701	46.7	44.0	45.4	38.6	53.5	—	—	—	—	2.4	1.6	2.0	278	264	271	83.2	86.9	85.1			

GLENLEE

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

	ins.																					
January	29.938	33.4	38.1	38.3	33.9	42.2	18.0	19th	51.2	8th	0.5	1.2	0.9	222	205	214	96	89	93			
February	28.18	35.0	34.0	34.5	28.5	40.2	7.5	12th	51.0	5th	1.7	1.4	1.6	170	168	169	83	85	84			
March	23.88	36.6	34.4	35.5	30.1	42.2	18.0	5th	59.0	21st	2.4	1.2	1.8	173	175	174	80	87	84			
April	26.42	44.3	41.0	42.7	35.3	49.1	25.0	1st	59.1	14th	4.1	2.2	3.2	207	211	209	70	83	77			
May	27.20	51.3	47.6	49.5	39.1	59.3	28.1	10th	77.1	19th	4.4	2.7	3.6	271	267	269	72	81	77			
June	27.14	56.5	52.3	54.4	45.1	62.2	32.5	5th	81.4	26th	5.0	2.7	3.9	322	322	322	70	82	76			
July	25.07	55.5	53.0	54.3	47.7	61.0	34.2	1st	71.5	19th	3.2	2.3	2.8	352	340	346	80	84	82			
August	26.82	56.9	52.8	54.9	46.9	61.8	33.0	1st	66.8	10th	3.1	1.8	2.5	373	350	362	81	87	84			
September	29.18	51.7	47.3	49.5	39.9	59.5	33.1	18th	68.1	21st	2.3	0.8	1.6	324	307	316	85	95	90			
October	27.37	46.7	43.7	45.2	38.2	52.2	26.0	2nd	59.3	27th	1.8	1.4	1.6	277	254	266	87	88	88			
November	24.55	44.1	42.9	43.5	38.1	48.3	28.0	28th	56.3	16th	2.2	1.9	2.1	241	235	238	82	85	84			
December	29.601	39.2	40.7	40.0	34.7	45.1	18.0	30th	55.0	3rd	0.9	0.8	0.9	222	237	230	92	93	93			
Year	29.677	46.4	44.0	45.2	38.1	51.9	—	—	—	—	2.6	1.7	2.2	263	256	260	81.5	86.6	84.1			

MONTHLY SUMMARIES.—WOLFELEE—PINMORE—GLENLEE.

WOLFELEE.

Heights above Ground:—Barometer, 14 feet. Thermometers, 4 feet. Rain-gauge, 6 inches.

		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
1888.		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	-	-	-	-	ins. 1'430	ins. '490	25th	12	5	0	0	-	-	-	4	8	2	3	4	27	9	5	0	
February	-	-	-	-	1'950	1'040	29th	4	11	0	0	-	-	-	3	26	5	0	0	9	6	9	0	
March	-	-	-	-	3'240	'540	29th	15	15	1	0	-	-	-	9	20	4	3	1	10	8	7	0	
April	-	-	-	-	2'550	'640	20th	20	4	0	0	-	-	-	0	17	8	3	3	10	11	8	0	
May	-	-	-	-	2'100	'670	2nd	11	0	0	1	-	-	-	3	9	4	2	6	16	16	6	0	
June	-	-	-	-	2'750	'780	2nd	14	0	0	1	-	-	-	5	24	6	7	4	10	2	2	0	
July	-	-	-	-	5'540	1'240	15th	20	0	0	4	-	-	-	6	16	5	5	2	16	6	5	1	
August	-	-	-	-	2'240	'510	12th	18	0	0	3	-	-	-	0	4	7	1	6	15	20	9	0	
September	-	-	-	-	0'870	'200	6th	11	0	0	0	-	-	-	7	6	5	6	4	9	15	8	0	
October	-	-	-	-	4'640	1510	27th	13	2	1	1	-	-	-	7	0	4	3	0	31	12	5	0	
November	-	-	-	-	6'570	'770	23rd	23	1	0	0	-	-	-	0	4	11	9	5	12	17	1	1	
December	-	-	-	-	4'540	'930	3rd	15	2	0	0	-	-	-	0	0	0	4	6	45	7	0	0	
Year	-	-	-	-	38'420	-	-	176	40	2	10	-	-	-	44	134	61	46	41	210	129	65	2	

PINMORE.

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

Heights above Ground. — Barometer, 30 in.																						
	ins.		ins.																			
January	7.8	6.2	7.0	4.700	1.180	3rd	17	4	0	0	4	15	1	2	0	5	2	11	3	5	2	32
February	7.2	6.6	6.9	2.000	.540	10th	14	5	2	0	2	13	0	2	0	5	0	1	2	7	1	40
March	7.2	6.0	6.6	2.140	.360	8th	18	9	2	0	6	12	1	2	0	6	9	7	0	2	1	35
April	7.7	8.0	7.9	2.640	.450	30th	16	1	0	0	1	18	0	0	0	8	5	8	1	4	2	32
May	7.1	6.7	6.9	3.870	1.350	29th	14	0	0	1	4	17	1	1	0	0	2	10	6	2	13	28
June	6.4	7.3	6.9	2.610	1.080	11th	14	0	0	1	2	13	0	2	1	0	6	11	2	0	4	34
July	8.6	8.5	8.6	3.740	.430	2nd	21	0	0	2	0	22	0	0	2	0	0	11	5	0	11	33
August	8.7	8.3	8.5	4.710	1.530	12th	20	0	1	2	1	23	1	5	0	0	0	16	10	3	7	21
September	7.0	3.7	5.4	2.520	.910	1st	13	0	0	0	6	10	0	2	1	0	6	4	3	0	11	33
October	8.5	6.3	7.4	1.950	.330	26th	16	0	0	1	2	15	0	1	0	0	0	7	2	5	11	36
November	9.3	7.9	8.6	6.680	.800	27th	21	1	3	2	0	22	7	1	1	8	13	3	5	6	12	11
December	8.0	6.8	7.4	4.910	.840	2nd	19	0	1	0	3	18	0	0	0	2	2	12	1	2	5	38
Year	7.8	6.9	7.4	4.470	—	—	203	20	9	9	31	198	11	18	5	34	45	101	40	36	80	373

CRAMLINGTON

Long. $1^{\circ} 35' \text{ W.}$ Lat. $55^{\circ} 5' \text{ N.}$ Height above Mean Sea Level, 255 feet.

1888.	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.	5 a.m.	9 p.m.	Mean.	
January	ins.	37° 4	37° 7	37° 6	32° 2	43° 0	20° 4	30th	55° 0	9th	1° 3	1° 2	1° 3	in.	in.	in.	%	%	%	
February	720	35° 7	34° 9	35° 3	30° 8	39° 8	21° 0	12, 14	52° 5	8th	1° 8	1° 3	1° 6	175	177	176	84	89	89	
March	315	35° 7	35° 1	35° 4	31° 2	41° 0	25° 8	2nd	56° 0	8th, 10th	1° 7	1° 2	1° 5	176	181	179	84	89	86	
April	574	42° 0	39° 5	40° 8	34° 9	48° 1	27° 0	7th	62° 8	14th	2° 3	1° 7	2° 0	218	208	213	82	86	84	
May	675	49° 6	46° 2	47° 9	39° 7	56° 1	32° 8	9th	67° 8	18th	3° 1	2° 5	2° 8	279	255	267	78	81	80	
June	675	50° 6	48° 3	49° 5	43° 3	55° 6	37° 0	5th	67° 8	11th	2° 6	1° 6	2° 1	303	298	301	82	88	85	
July	445	54° 3	52° 0	53° 2	47° 1	59° 7	40° 0	2nd	71° 8	23rd	2° 8	1° 5	2° 2	344	348	346	82	90	86	
August	29° 635	56° 8	52° 8	54° 8	47° 2	62° 2	39° 0	19th	72° 0	7th	3° 7	1° 9	2° 8	357	348	353	77	87	82	
September	—	55° 4	50° 2	52° 8	42° 6	59° 5	35° 8	30th	69° 0	3rd	3° 7	1° 7	2° 7	336	319	328	77	88	83	
October	—	48° 3	44° 0	46° 2	38° 5	54° 1	26° 0	2nd	66° 0	26th	2° 5	1° 3	1° 9	277	245	261	82	85	84	
November	29° 417	45° 0	43° 8	44° 4	39° 6	48° 5	32° 0	20th	58° 0	16th	2° 2	2° 0	2° 1	250	241	246	84	84	84	
December	29° 561	38° 1	39° 0	38° 6	33° 4	44° 4	22° 0	31st	57° 0	6th	1° 0	1° 1	1° 1	209	215	212	91	90	91	
Year	—	45° 7	43° 6	44° 7	38° 4	51° 0	—	—	—	—	2° 4	1° 6	2° 0	260	253	257	82° 6	87° 0	84° 8	

CARGEN

Long. $3^{\circ} 37' W.$ Lat. $55^{\circ} 2' N.$ Height above Mean Sea Level, 72 feet.

[illegible]

DURHAM

Long. $1^{\circ} 35' \text{ W.}$ Lat. $54^{\circ} 46' \text{ N.}$ Height above Mean Sea Level, 336 feet.

[illegible]

Y C RAMLINGTON.

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

1888.	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.	Cal.
January -	8.1	6.9	7.5	ins. 1.700	ins. .660	31st	16	5	0	1	0	16	2	5	1	7	2	3	10	18	16	0
February -	7.6	6.1	6.9	0.990	.310	18th	16	15	3	0	1	15	1	2	13	17	0	0	0	5	21	0
March -	7.6	7.2	7.4	5.120	1.450	29th	25	14	2	0	2	15	1	4	13	10	9	0	5	10	11	0
April -	7.9	6.5	7.2	1.860	.500	20th	21	8	2	0	0	11	0	5	16	6	2	3	6	11	11	0
May -	7.0	6.1	6.6	0.490	.300	29th	7	0	0	0	2	7	0	7	8	3	5	7	10	12	10	0
June -	8.1	7.6	7.9	2.450	.640	2nd	15	0	2	3	0	19	0	7	22	2	9	5	4	5	6	0
July -	8.3	8.1	8.2	4.710	.700	25th	23	0	1	2	0	17	0	10	17	7	5	3	8	2	10	0
August -	7.1	6.4	6.8	2.280	.660	4th	20	0	0	1	1	11	0	5	8	2	4	4	11	19	9	0
September -	6.9	6.4	6.7	1.300	.400	29th	14	0	0	0	5	15	1	7	5	2	11	7	8	12	8	0
October -	7.4	5.1	6.3	1.030	.310	3rd	8	1	0	0	0	6	1	6	0	2	0	2	15	19	16	2
November -	7.8	7.7	7.8	4.190	.990	27th	20	1	0	0	1	15	2	0	3	5	14	7	4	21	6	0
December -	6.8	5.1	6.0	1.050	.270	23rd	15	2	0	0	1	5	0	3	0	0	3	8	26	12	10	0
Year -	7.6	6.6	7.1	27.170	—	—	200	46	10	7	13	152	8	61	106	63	64	49	107	146	134	2

CARGEN.

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

[illegible]

DURHAM.

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

[illegible]

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

NEWTON REIGNY

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

1888.	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.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												in.	in.	%	%	%	%
January	29.511	37.5	36.7	37.1	31.7	42.7	18.3	20th	54.0	9th	0.6	0.8	0.7	218	206	94.1	91.7	92.9	
February	29.395	34.6	32.9	33.8	27.1	39.5	7.5	14th	50.8	4th	0.8	0.4	0.6	187	184	186	91.5	93.5	92.5
March	28.977	35.5	34.2	34.9	29.2	40.7	15.8	26th	54.0	21st	1.0	0.8	0.9	190	185	188	89.8	91.4	90.6
April	29.242	42.2	39.7	41.0	35.0	48.3	25.0	7th	58.5	14th	1.9	1.0	1.5	233	228	231	85.4	91.6	88.5
May	34.2	50.1	46.6	48.4	39.3	57.8	29.0	10th	76.0	19th	2.5	1.6	2.1	305	288	297	83.6	89.3	86.5
June	32.7	55.0	50.8	52.9	43.6	62.1	29.5	5th	82.0	26th	2.9	1.4	2.2	361	341	351	82.0	90.5	86.3
July	31.0	55.1	52.1	53.6	46.6	61.1	34.0	1st	71.0	19th	2.6	1.3	2.0	368	359	364	84.6	91.1	87.9
August	31.2	56.1	52.9	54.5	47.1	61.6	34.2	16th	68.8	10th	3.0	1.5	2.3	369	364	367	81.5	89.9	85.7
September	32.7	51.8	47.9	49.9	40.5	59.5	30.2	26th	68.3	19th	2.1	0.9	1.5	334	316	325	86.1	93.4	89.8
October	35.5	46.0	44.0	45.0	38.2	52.8	24.9	2nd	60.5	28th	1.6	1.0	1.3	280	276	278	88.5	92.2	90.4
November	30.77	44.0	42.6	43.3	38.4	47.5	25.0	28th	55.2	15th	1.3	1.2	1.3	264	253	259	90.2	90.9	90.6
December	29.235	38.6	39.9	39.3	34.2	44.6	20.0	30th	54.8	3rd	0.7	0.8	0.8	229	238	234	94.2	93.1	93.7
Year	29.284	45.5	43.4	44.5	37.6	51.5	—	—	—	—	1.8	1.1	1.5	278	270	274	87.6	91.6	89.6

AYSGARTH

Long. 1° 58' W. Lat. 54° 18' N. Height above Mean Sea Level, 658 feet.

1888.	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.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												in.	in.	%	%	%	%
January	29.445	36.6	37.0	36.8	33.0	41.6	22.1	19th	60.0	10th	1.2	1.4	1.3	196	194	195	87.1	85.3	86.2
February	29.299	33.4	32.8	33.1	29.2	37.4	13.5	14th	49.6	8th	1.8	1.6	1.7	155	155	155	78.2	79.1	78.7
March	28.896	34.7	33.5	34.1	29.8	38.8	21.5	5th	51.4	9th	2.2	1.6	1.9	161	160	161	77.8	80.7	79.3
April	29.166	41.7	38.7	40.2	35.3	47.2	27.2	6th	60.2	14th	2.8	2.0	2.4	211	198	205	78.9	82.3	80.6
May	27.9	50.3	45.7	48.0	39.7	56.8	30.2	12th	74.8	19th	4.8	2.9	3.9	259	250	255	70.5	79.7	75.1
June	25.2	52.2	49.0	50.6	43.9	59.2	34.1	5th	76.9	26th	3.2	2.0	2.6	315	303	309	80.3	86.1	83.2
July	29.038	54.1	51.3	52.7	46.9	60.3	36.0	7th	68.9	19th	2.9	1.5	2.2	345	343	344	82.5	89.5	86.0
August	—	56.3	52.5	54.4	47.4	62.4	36.0	1, 19	77.0	9th	3.9	2.2	3.1	346	336	341	75.0	85.0	80.0
September	—	52.8	48.8	50.8	42.6	58.6	33.3	30th	70.0	14th	2.9	1.2	2.1	324	316	320	80.0	91.0	86.0
October	29.289	46.3	43.4	44.9	38.6	52.7	24.6	2nd	63.3	27th	2.6	1.8	2.2	263	251	257	82.1	86.0	84.1
November	30.07	42.6	42.4	42.5	39.1	46.8	32.3	27th	57.0	16th	1.6	1.6	1.6	244	240	242	88.1	87.2	87.7
December	29.169	38.8	40.0	39.4	34.7	44.9	19.6	14th	55.3	5th	1.6	1.6	1.6	210	220	215	85.4	85.3	85.4
Year	—	45.0	42.9	44.0	38.4	50.6	—	—	—	—	2.6	1.8	2.2	252	247	250	80.5	84.8	82.7

SCARBOROUGH

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

1888.	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.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.												in.	in.	%	%	%	%
January	29.978	37.8	38.2	38.0	34.2	41.9	21.5	30th	53.6	8th	0.6	0.5	0.6	219	224	222	94.7	95.0	94.9
February	31.2	36.1	36.0	36.1	32.4	39.7	21.5	14th	52.1	5th	0.7	0.7	0.7	200	200	200	93.3	93.1	93.2
March	34.2	36.6	36.6	36.6	32.7	41.1	27.4	27th	55.8	9th	0.9	0.8	0.9	202	204	203	92.2	92.7	92.5
April	30.1	42.9	41.1	42.0	36.7	48.0	30.0	4th	60.7	14th	1.8	1.4	1.6	242	231	237	86.6	89.0	87.8
May	32.5	51.0	47.5	49.3	42.2	56.4	34.0	10th	69.3	7th	5.6	2.3	3.0	290	282	286	77.1	84.5	80.8
June	30.8	52.3	50.4	51.4	46.4	57.6	43.0	2, 5, 6	69.0	12th	2.1	1.1	1.6	343	340	342	87.2	92.5	89.9
July	35.4	55.5	52.9	54.2	49.0	59.8	42.3	2nd, 7th	70.7	22nd	2.2	1.2	1.7	381	372	377	86.4	92.2	89.3
August	37.6	57.4	54.5	56.0	49.9	61.9	43.0	19th	73.3	7th	3.3	1.8	2.6	381	378	380	80.6	88.5	84.6
September	39.67	54.0	51.8	52.9	47.8	58.1	39.5	30th	66.3	5th	2.1	1.4	1.8	362	349	356	86.6	90.2	88.4
October	38.18	46.0	46.2	46.1	40.8	52.6	28.5	2nd	63.5	27th	1.6	1.5	1.6	280	285	283	88.3	88.7	88.5
November	35.67	45.3	45.6	45.5	41.9	49.3	36.0	20, 27, 28	58.9	16th	1.5	1.6	1.6	272	272	272	89.1	88.2	88.7
December	29.727	39.8	40.7	40.3	36.7	43.9	25.6	14th	55.3	5th	1.0	1.0	1.0	232	239	236	91.7	91.5	91.6
Year	29.743	46.2	45.1	45.7	40.9	50.9	—	—	—	—	1.8	1.3	1.6	284	281	283	87.8	90.5	89.2

MONTHLY SUMMARIES.—NEWTON REIGNY—AYSGARTH—SCARBOROUGH.

NEWTON REIGNY.

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

1888.	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	7.6	6.3	7.0	1.840	.660	25th	18	3	0	0	4	15	1	2	3	3	10	5	13	8	4	14
February	7.5	6.2	6.9	1.370	.500	13th	17	14	0	0	4	15	0	6	8	11	1	1	2	15	6	8
March	7.8	6.7	7.3	2.380	.460	9th	21	15	1	0	1	13	2	7	14	7	7	2	8	6	7	4
April	8.5	7.4	8.0	1.550	.330	19th	17	—	—	—	0	15	0	7	14	3	4	11	3	7	8	3
May	6.5	5.5	6.0	2.570	.910	2nd	12	0	0	2	8	13	3	0	3	2	10	11	12	13	3	8
June	6.6	6.3	6.5	1.230	.210	2nd	12	0	0	2	4	13	1	4	10	2	14	7	5	4	3	11
July	8.4	7.4	7.9	5.700	.620	2, 25	21	0	0	1	0	19	0	3	5	3	15	10	1	9	4	12
August	8.3	7.5	7.9	2.840	.400	4th	21	0	0	0	0	19	0	3	2	0	7	11	15	11	3	10
September	6.2	5.3	5.8	0.760	.160	1st	12	0	0	0	7	10	0	1	4	1	11	0	8	5	7	23
October	7.9	5.9	6.9	2.840	1.100	27th	15	2	0	0	1	14	0	0	1	1	6	12	10	12	7	13
November	8.4	7.2	7.8	6.410	.970	27th	22	1	1	1	1	19	6	1	1	10	18	4	8	14	0	4
December	7.4	5.5	6.5	3.260	.750	19th	17	2	1	0	5	15	1	0	0	1	22	9	8	6	1	15
Year	7.6	6.4	7.0	32.750	—	—	205	—	—	—	35	180	14	34	65	44	125	83	93	110	53	125

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

CRONKBORNE (DOUGLAS), ISLE OF MAN -

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

English. — 29° W. Lat. 54° 10' N. Height above Mean Sea Level, 137 feet.																				
1888.	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° 017	41° 6	41° 2	41° 4	37° 9	44° 4	27° 2	29th	52° 4	8th	0° 8	0° 9	0° 9	in.	in.	in.	%	%	%
February	29° 913	38° 4	37° 2	37° 8	33° 8	41° 6	21° 3	14th	50° 6	5th	0° 8	0° 9	0° 9	250	245	248	93° 6	92° 0	92° 8	
March	465	39° 4	37° 2	38° 3	35° 6	43° 1	25° 4	17th	51° 4	6th	1° 1	1° 4	1° 3	214	200	207	90° 6	87° 7	89° 2	
April	737	45° 3	42° 2	43° 8	38° 2	48° 7	30° 8	7th, 9th	55° 4	14th	1° 7	1° 0	1° 4	212	206	209	86° 9	90° 5	88° 7	
May	830	51° 6	47° 2	49° 4	42° 4	56° 5	33° 8	10th	70° 8	23rd	2° 7	1° 8	2° 3	248	235	242	81° 3	86° 2	83° 8	
June	780	56° 2	53° 2	54° 7	48° 3	61° 2	42° 0	14th	77° 0	25th	3° 2	1° 8	2° 5	305	285	295	80° 0	87° 0	83° 5	
July	578	56° 1	53° 3	54° 7	50° 1	60° 0	42° 2	7th	67° 0	17th	3° 4	1° 8	2° 6	363	362	363	80° 3	88° 3	84° 3	
August	29° 786	57° 5	53° 9	55° 7	49° 8	61° 1	41° 0	1st	68° 2	10th	2° 3	1° 6	2° 0	388	365	377	85° 8	89° 3	87° 6	
September	30° 002	55° 9	51° 3	53° 6	46° 8	59° 2	38° 8	18th	63° 8	7th	2° 3	1° 1	1° 7	407	390	399	85° 8	92° 7	89° 3	
October	29° 845	50° 1	47° 0	48° 6	42° 2	53° 2	30° 6	2nd	58° 3	8th	1° 8	0° 9	1° 4	396	359	378	88° 5	93° 8	91° 2	
November	541	47° 7	46° 7	47° 2	43° 3	50° 0	35° 2	28th	55° 4	15th	1° 7	1° 0	1° 4	323	305	314	88° 5	92° 6	90° 6	
December	29° 691	44° 7	44° 6	44° 7	39° 5	48° 2	26° 0	30th	53° 9	3rd	1° 7	1° 8	1° 8	295	280	288	88° 0	87° 8	87° 9	
Year	29° 765	48° 7	46° 3	47° 5	42° 2	52° 3	—	—	—	—	2° 0	1° 4	1° 7	306	292	299	86° 6	89° 9	88° 3	

YORK

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

	ins.													in.	in.	in.	%	%	%
January -	30.136	37.1	38.0	37.6	32.9	42.4	12.0	30th	55.0	8th, 9th	1.1	1.3	1.2	.199	.203	.201	90	89	90
February -	29.963	35.5	35.5	35.5	31.5	41.1	20.0	14th	53.7	8th	1.6	1.3	1.5	.178	.183	.181	86	88	87
March -	.559	37.0	37.0	37.0	32.2	43.5	25.0	2nd	57.4	9th	1.8	1.6	1.7	.186	.189	.188	85	86	86
April -	.833	43.2	41.6	42.4	36.8	49.8	28.0	7th	60.5	14th	2.7	2.1	2.4	.223	.220	.222	80	84	82
May -	.956	52.7	49.9	51.3	42.6	60.9	35.0	12th	77.6	19th	5.3	3.7	4.5	.268	.270	.269	67	75	71
June -	.903	55.2	52.4	53.8	46.2	62.8	36.0	5th	83.3	26th	3.4	2.4	2.9	.342	.330	.336	79	84	82
July -	.688	56.1	54.8	55.5	49.2	62.6	40.6	7th	73.0	19th	3.0	2.3	2.7	.367	.365	.366	81	86	84
August -	29.902	57.1	55.6	56.4	49.3	64.3	41.0	19th	77.0	9th	3.0	2.4	2.7	.379	.375	.377	81	84	83
September	30.107	53.5	52.0	52.8	46.1	60.7	35.0	30th	69.0	14th	2.5	1.6	2.1	.340	.345	.343	83	89	86
October -	29.954	45.6	45.2	45.4	38.6	53.9	25.4	2nd	66.0	26, 27	2.3	1.6	2.0	.255	.264	.260	83	88	86
November	.689	45.6	46.1	45.9	41.5	50.3	33.0	28th	61.0	16th	2.0	2.1	2.1	.261	.264	.263	85	85	85
December	29.841	38.7	40.2	39.5	34.8	44.9	22.8	19th	57.9	5th	1.0	1.0	1.0	.216	.228	.222	92	92	92
Year -	29.878	46.4	45.7	46.1	40.1	53.1	—	—	—	—	2.5	2.0	2.3	.268	.270	.269	82.7	85.8	84.3

STONYHURST

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

		Air Temperature.										Humidity.											
		9 a.m.			3 p.m.			Means of				Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.				
		ins.																					

MONTHLY SUMMARIES.—CRONKBORNE—YORK—STONYHURST.

CRONKBORNE (DOUGLAS), ISLE OF MAN.

Heights above Ground:—Barometer, 3 feet. Thermometers, 4 feet. Rain-gauge, 10½ inches.

1888.		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	7.9	8.2	1.992	.518	20th	17	2	4	0	1	22	5	6	3	7	11	5	9	11	8	2		
February	-	6.9	6.2	6.6	0.777	.224	2nd	10	11	3	0	2	11	0	9	18	6	1	0	1	11	11	1		
March	-	6.5	6.5	6.5	3.514	1.138	11th	17	11	2	0	3	13	4	9	15	10	3	2	6	5	10	2		
April	-	6.7	8.0	7.4	2.884	.480	30th	19	0	0	0	2	16	7	7	13	6	4	3	7	7	11	2		
May	-	6.4	5.4	5.9	2.190	.698	29th	12	0	1	2	5	8	6	5	2	6	12	4	8	9	12	4		
June	-	6.0	7.4	6.7	2.421	.363	6th	17	0	0	4	0	11	2	4	13	13	4	4	5	5	7	5		
July	-	8.1	8.4	8.3	6.557	1.414	2nd	21	0	0	0	0	21	5	6	8	8	10	5	6	8	8	3		
August	-	7.2	6.2	6.7	2.987	.725	19th	18	0	0	0	1	11	1	5	2	2	8	11	10	13	9	2		
September	-	6.6	5.1	5.9	1.135	.374	1st	10	0	0	0	5	8	1	12	2	11	9	0	4	6	14	2		
October	-	7.8	6.6	7.2	3.115	.850	27th	18	0	2	0	0	13	5	15	2	5	4	4	9	7	14	2		
November	-	8.8	8.5	8.7	6.410	1.125	12th	22	0	1	0	0	20	20	1	4	17	11	1	7	14	4	1		
December	-	7.8	7.0	7.4	5.284	.871	11th	19	0	1	0	2	15	1	6	1	3	8	14	9	11	8	2		
Year	-	7.3	6.9	7.1	39.266	—	—	200	24	14	6	21	169	57	85	83	94	85	53	81	107	116	28		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

WAKEFIELD

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

1888.	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.
		ins.	ins.	ins.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.
January	30.082	37.9	38.4	38.2	34.1	42.8	22.2	20th	54.2	8th	0.8	1.0	0.9	in.	in.	in.	92.9	91.1	92.0
February	29.913	35.0	35.2	35.1	31.9	39.6	21.0	14th	51.6	6th	0.8	1.1	1.0	1.91	1.88	1.90	92.6	89.0	90.8
March	507	36.4	36.4	36.4	32.6	42.6	27.1	24, 26	57.5	9th	1.4	1.1	1.3	1.90	1.96	1.93	86.9	89.0	88.0
April	775	43.0	41.5	42.3	37.2	49.2	25.0	6th	61.6	28th	2.2	1.5	1.9	2.35	2.34	2.35	83.4	87.8	85.6
May	904	52.0	50.2	51.1	42.7	60.9	30.8	12th	79.4	19th	3.7	2.6	3.2	3.01	3.04	3.03	76.9	82.6	79.8
June	845	53.6	53.1	53.4	46.9	62.3	38.1	5th	81.4	25, 26	2.1	1.5	1.8	3.58	3.69	3.64	86.6	90.4	88.5
July	633	56.1	54.9	55.5	50.0	62.4	41.1	11, 12	71.8	19, 22	2.4	1.7	2.1	3.83	3.87	3.85	85.0	89.4	87.2
August	29.851	56.8	55.2	56.0	49.2	64.3	35.6	19th	79.0	9th	2.7	2.1	2.4	3.87	3.80	3.84	83.2	86.6	84.9
September	30.058	52.9	51.1	52.0	46.1	59.7	35.0	30th	66.6	14th	2.0	1.1	1.6	3.50	3.51	3.51	86.9	92.8	89.9
October	29.914	44.9	44.7	44.8	38.8	53.8	24.8	3rd	65.9	26th	1.6	1.3	1.5	2.71	2.75	2.73	88.5	90.5	89.5
November	637	45.4	45.7	45.6	41.8	50.3	32.0	28th	60.8	16th	1.4	1.5	1.5	2.77	2.77	2.77	90.2	89.1	89.7
December	29.813	39.6	41.3	40.5	36.2	46.4	22.8	31st	59.6	5th	0.9	1.1	1.0	2.32	2.45	2.39	92.1	91.5	91.8
Year	29.828	46.1	45.6	45.9	40.6	52.9	—	—	—	—	1.8	1.5	1.7	2.83	2.85	2.84	87.1	89.2	88.2

PRESTWICH

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

1888.	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.
		ins.	ins.	ins.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.
January	29.841	37.1	37.1	37.1	33.7	41.3	25.9	12th	50.5	8th	0.9	1.0	1.0	2.06	2.03	2.05	91.0	89.5	90.3
February	675	34.8	34.6	34.7	32.1	38.5	23.5	14th	48.5	6th	1.3	1.2	1.3	1.79	1.78	1.79	85.9	86.2	86.1
March	261	37.0	36.2	36.6	32.4	42.5	25.4	2nd	54.4	9th	2.4	1.5	2.0	1.78	1.86	1.82	79.3	85.1	82.2
April	535	43.2	41.2	42.2	37.1	48.8	29.2	6th	59.2	14th	2.9	1.9	2.4	2.24	2.24	2.24	79.1	85.5	82.3
May	663	52.5	48.5	50.5	42.8	59.0	35.2	9th	77.8	19th	4.0	2.1	3.1	3.00	2.95	2.98	75.5	85.2	80.4
June	591	55.7	52.2	54.0	47.2	62.2	40.0	1st	81.7	26th	3.1	1.7	2.4	3.63	3.50	3.57	81.3	88.9	85.1
July	389	56.3	54.1	55.2	50.5	62.7	40.4	11th	70.5	19th	2.1	1.3	1.7	4.01	3.87	3.94	87.3	91.5	89.4
August	612	56.8	54.5	55.7	49.9	63.5	42.6	16th	77.0	9th	3.3	2.4	2.9	3.73	3.64	3.69	79.8	84.8	82.3
September	810	53.8	51.3	52.6	46.6	60.4	37.5	30th	67.7	14th	2.9	1.9	2.4	3.40	3.34	3.37	81.6	87.2	84.4
October	673	45.3	44.7	45.0	39.2	52.7	27.3	2nd	63.5	26, 27	1.9	1.4	1.7	2.68	2.72	2.70	86.7	88.9	87.8
November	384	45.6	45.1	45.4	41.9	49.8	34.7	28th	57.5	16th	1.6	1.6	1.6	2.74	2.69	2.72	88.2	88.4	88.3
December	29.556	40.1	41.0	40.6	36.7	45.7	25.8	31st	56.3	5th	1.1	1.2	1.2	2.32	2.39	2.36	90.7	90.7	90.7
Year	29.583	46.5	45.0	45.8	40.8	52.3	—	—	—	—	2.3	1.6	2.0	2.78	2.75	2.77	83.9	87.7	85.8

LLANDUDNO

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

1888.	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.
		ins.	ins.	ins.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	9 a.m.	9 p.m.	Mean.
January	30.085	40.8	40.8	40.8	36.5	45.0	25.8	19th	57.2	9th	1.9	2.2	2.1	in.	in.	in.	84.4	82.0	83.2
February	29.953	38.1	37.9	38.0	34.3	40.9	26.2	17th	48.2	7th	2.1	2.2	2.2	1.92	1.88	1.90	81.9	80.7	81.3
March	510	39.1	38.6	38.9	34.0	43.2	25.7	2nd	56.0	8th	2.4	2.2	2.3	1.94	1.93	1.94	80.5	81.2	80.9
April	788	44.4	43.9	44.2	39.6	48.2	32.0	6th	57.8	15th	2.7	2.5	2.6	2.38	2.36	2.37	80.8	81.6	81.2
May	897	52.7	49.9	51.3	44.4	58.0	37.8	12th	76.9	19th	4.5	3.5	4.0	2.88	2.79	2.84	72.2	77.3	74.8
June	823	56.2	55.4	55.8	49.8	61.1	43.0	14th	76.8	25th	4.0	3.1	3.6	3.48	3.56	3.52	76.8	80.5	78.7
July	623	56.9	55.4	56.2	51.5	61.5	42.0	11th	67.0	21st	2.8	2.5	2.7	3.84	3.72	3.78	82.8	84.3	83.6
August	29.847	58.7	56.4	57.6	51.7	63.4	43.5	2nd	69.8	7th	3.6	2.5	3.1	3.89	3.87	3.88	78.6	84.8	81.7
September	30.048	56.1	54.2	55.2	49.0	61.4	41.4	26th	70.1	13th	3.5	2.4	3.0	3.56	3.59	3.58	78.9	84.6	81.8
October	29.904	50.7	49.0	49.9	44.4	56.0	33.4	2nd	66.3	28th	3.5	3.0	3.3	2.89	2.81	2.85	77.7	79.4	78.6
November	598	47.7	47.2	47.5	43.3	51.2	35.0	28th	62.0	16th	2.4	2.3	2.4	2.80	2.77	2.79	83.5	84.0	83.8
December	29.764	44.8	44.9	44.9	39.7	49.6	30.0	31st	60.0	3rd	2.5	2.4	2.5	2.46	2.51	2.49	81.5	82.2	81.9
Year	29.820	48.9	47.8	48.4	43.2	53.3	—	—	—	—	3.0	2.6	2.8	2.85	2.83	2.84	80.0	81.9	81.0

MONTHLY SUMMARIES.—WAKEFIELD—PRESTWICH—LLANDUDNO.

WAKEFIELD.

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

1888.		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.	Show.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	8.0	7.2	7.6	ins. 0.510	ins. 1.100	31st	12	1	0	0	4	19	0	2	2	8	2	3	3	15	7	20
February	-	7.7	6.9	7.3	1.340	.330	19th	13	11	0	0	2	16	0	13	12	7	0	0	0	6	10	10
March	-	7.6	6.6	7.1	3.570	.550	11th	19	7	0	0	1	15	0	12	10	3	0	0	3	15	6	13
April	-	8.1	6.8	7.5	2.250	.500	21st	16	3	0	2	1	13	0	7	12	3	1	3	3	12	5	14
May	-	5.7	5.3	5.5	0.450	.210	29th	6	0	0	0	5	8	2	7	3	5	3	5	13	13	5	8
June	-	8.0	7.5	7.8	2.420	.580	9th	14	0	0	4	1	16	0	8	12	8	1	6	4	9	5	7
July	-	8.0	7.2	7.6	4.540	.800	15th	21	0	0	4	0	16	0	9	12	3	3	6	11	5	6	7
August	-	7.0	5.9	6.5	2.080	.800	28th	16	0	0	2	4	15	0	1	6	0	5	7	10	12	4	17
September	-	7.6	5.0	6.3	0.970	.160	10, 29	13	0	0	1	3	10	0	8	6	3	1	3	3	9	7	20
October	-	7.8	6.0	6.9	1.060	.470	1st	10	1	0	0	4	13	0	3	0	1	0	4	5	15	7	27
November	-	8.5	8.5	8.5	5.920	.990	12th	27	0	2	1	1	21	0	3	3	13	7	2	7	19	0	6
December	-	6.0	6.2	6.1	1.870	.900	27th	14	0	0	0	5	9	0	1	1	2	5	10	12	7	3	21
Year	-	7.5	6.6	7.1	26.980	—	—	181	23	2	14	31	171	2	74	79	56	28	49	74	137	65	170

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

BUXTON.

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

1888.	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°098	34°8	35°0	34°9	30°0	40°5	11°3	30th	56°3	10th	0°8	0°8	0°8	in. 1°89	in. 1°91	in. 1°90	91°0	90°9	91°0	
February -	28°915	32°6	31°5	32°1	27°7	36°8	11°7	2nd	44°1	5th, 7th	0°5	0°4	0°5	1°75	1°71	1°73	93°4	94°3	93°9	
March -	32°7	34°4	33°3	33°9	28°4	44°0	16°1	2nd	51°0	—	1°1	0°8	1°0	1°78	1°76	1°77	88°7	90°7	89°7	
April -	38°11	40°5	38°6	39°6	34°1	46°4	22°1	7th	59°4	28th	1°9	1°4	1°7	2°16	2°09	2°13	84°5	87°6	86°1	
May -	48°948	50°4	45°7	48°1	38°0	57°4	28°3	10th	75°8	19th	1°0	1°0	1°0	3°49	2°89	3°19	93°2	92°8	93°0	
June -	58°85	54°0	49°9	52°0	43°6	61°3	35°8	19th	79°2	26th	3°0	1°5	2°3	3°42	3°25	3°34	81°7	89°8	85°8	
July -	69°2	54°1	51°8	53°0	46°9	60°2	36°6	1st	68°9	19th	2°1	1°4	1°8	3°66	3°52	3°59	87°1	90°9	89°0	
August -	28°913	54°8	52°3	53°6	46°2	62°2	35°8	17th	77°3	9th	1°4	1°2	1°3	3°93	3°65	3°79	91°0	91°9	91°5	
September	29°098	52°2	48°4	50°3	42°6	59°4	29°7	26th	67°9	18th	1°3	0°6	1°0	3°61	3°28	3°45	91°7	95°5	93°6	
October -	28°964	44°7	42°1	43°4	35°8	51°2	23°0	3rd	59°8	27th	1°0	1°0	1°0	2°79	2°56	2°68	92°4	91°8	92°1	
November	36°77	42°6	42°0	42°3	38°0	47°7	31°7	28th	55°4	15th	0°7	0°7	0°7	2°62	2°55	2°59	94°5	94°6	94°6	
December	28°845	38°6	38°8	38°7	34°2	43°5	19°8	31st	58°2	6th	0°9	0°8	0°9	2°20	2°25	2°23	91°2	92°8	92°0	
Year -	28°864	44°5	42°5	43°5	37°1	—	—	—	—	—	1°3	1°0	1°2	2°78	2°62	2°70	90°0	92°0	91°0	

CHEADLE.

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

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HILLINGTON.

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

Height above Mean Sea Level, 88 feet.																			
	ins.												in.	in.	in.	%	%	%	
January -	30.108	34.9	35.5	35.2	31.1	41.0	10.4	29th	53.4	9th	0.7	0.7	0.7	.190	.198	.194	91.7	93.0	92.4
February -	29.862	34.5	32.9	33.7	29.1	38.5	9.5	2nd	50.6	8th	1.3	1.0	1.2	.173	.169	.171	84.4	87.1	85.8
March -	.493	36.4	35.9	36.2	31.4	42.9	21.4	2nd	55.4	10th	1.5	1.2	1.4	.188	.188	.188	85.2	87.2	86.2
April -	.779	44.0	40.5	42.3	35.8	50.5	21.5	6th	66.4	30th	2.5	1.4	2.0	.237	.229	.233	81.8	88.5	85.2
May -	.942	54.2	47.5	50.9	41.1	60.7	29.2	11th	77.2	19th	4.6	2.5	3.6	.309	.278	.294	72.4	83.0	77.7
June -	.834	58.9	52.9	55.9	47.9	66.2	37.9	14th	81.3	25th	4.6	1.9	3.3	.371	.356	.364	74.5	88.2	81.4
July -	.654	57.8	53.7	55.8	49.7	64.1	38.3	13th	72.5	20th	3.1	1.1	2.1	.392	.386	.389	81.9	92.7	87.3
August -	29.903	59.6	55.1	57.4	49.4	66.3	36.2	19th	83.8	9th	2.0	0.7	1.4	.453	.419	.436	88.3	95.2	91.8
September	30.059	56.3	52.6	54.5	47.8	61.9	38.6	1st	67.5	5th	1.6	0.8	1.2	.409	.380	.395	89.8	94.4	92.1
October -	29.951	45.1	43.2	44.2	37.6	54.4	27.2	16th	67.6	27th	1.5	1.1	1.3	.272	.262	.267	88.7	91.7	90.2
November	.688	45.3	45.1	45.2	41.6	49.8	32.0	28th	59.6	16th	1.3	1.3	1.3	.277	.276	.277	90.4	90.2	90.3
December	29.868	38.4	38.8	38.6	34.2	44.9	22.7	31st	55.8	22nd	0.6	0.7	0.7	.227	.228	.228	94.7	94.3	94.5
Year -	29.845	47.1	44.5	45.8	39.7	53.4	—	—	—	—	2.1	1.2	1.7	.292	.281	.287	85.3	90.5	87.9

MONTHLY SUMMARIES.—BUXTON—CHEADLE—HILLINGTON.

BUXTON.

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

		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.	
1888.					ins.	ins.																		
January	-	8.0	7.0	7.5	2.185	.520	21st	12	5	0	0	0	11	0	2	0	3	0	1	2	8	6	40	
February	-	7.3	7.9	7.6	2.865	.410	7th	23	20	1	0	0	16	0	0	2	16	0	1	3	9	11	16	
March	-	7.4	6.5	7.0	3.975	.560	9th	23	18	0	0	0	13	0	0	8	9	3	0	8	4	7	23	
April	-	8.3	6.6	7.5	2.640	.410	27th	16	5	1	2	0	15	0	2	15	0	1	2	6	7	6	21	
May	-	6.5	6.1	6.3	1.470	.410	29th	8	0	0	0	0	8	0	0	1	11	4	4	5	17	5	15	
June	-	6.2	7.4	6.8	2.785	.400	27th	16	0	0	3	0	10	0	0	6	18	6	2	5	8	5	10	
July	-	7.7	8.3	8.0	7.870	1.090	3rd	25	0	0	2	0	14	0	0	5	14	4	1	11	5	10	12	
August	-	6.8	6.7	6.8	4.870	1.120	28th	18	0	0	0	0	10	0	0	5	6	0	8	10	11	9	13	
September	-	6.6	6.6	6.6	1.930	.410	1st	15	0	0	0	0	9	0	0	5	13	7	1	3	7	8	16	
October	-	7.0	6.2	6.6	2.140	.490	28th	10	2	0	0	1	9	0	0	0	5	4	2	8	18	14	11	
November	-	9.1	8.9	9.0	9.600	1.140	12th	24	2	1	1	0	24	0	0	1	24	4	1	8	14	3	5	
December	-	7.5	7.2	7.4	3.965	1.610	27th	17	1	1	0	0	15	0	1	3	2	10	8	14	9	13	2	
Year		7.4	7.1	7.3	46.295	—	—	207	53	4	8	1	154	0	5	51	121	43	31	83	117	97	184	

CHEADLE.

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

January	-	7.0	7.6	7.3	ins. 1.290	ins. 3.00	25th	14	4	1	0	5	17	1	3	2	10	5	7	6	8	13	8
February	-	7.0	6.5	6.8	0.870	1.70	19th	17	16	1	0	3	10	3	12	13	8	0	0	1	9	15	0
March	-	6.7	5.7	6.2	2.860	3.80	13th	22	14	1	2	4	9	2	10	8	11	3	5	4	4	11	6
April	-	8.1	6.3	7.2	1.460	3.30	17th	15	6	1	2	1	15	2	7	10	6	0	4	11	3	15	4
May	-	6.9	5.3	6.1	0.770	2.270	29th	8	0	1	2	3	9	2	4	2	12	6	10	8	11	8	1
June	-	7.1	7.0	7.1	3.260	5.60	27th	14	0	1	5	1	14	0	7	7	22	4	6	3	5	4	2
July	-	9.3	8.5	8.9	5.280	7.40	2nd	22	0	2	6	0	24	2	3	4	14	6	10	9	4	8	4
August	-	7.3	6.1	6.7	3.410	1.450	28th	17	0	1	6	1	13	1	5	3	7	4	10	10	11	9	3
September	-	6.8	3.9	5.4	0.900	3.20	5th	10	0	0	1	5	7	0	6	5	17	5	5	7	4	8	3
October	-	5.6	5.4	5.5	0.830	1.190	5th	9	1	1	0	6	9	2	4	0	12	4	10	5	6	21	0
November	-	9.0	7.7	8.4	5.360	1.030	12th	24	1	1	1	0	19	10	0	0	21	11	3	13	10	2	0
December	-	6.9	6.5	6.7	2.410	1.400	27th	17	0	1	0	4	14	1	4	1	3	13	9	13	6	7	6
Year	-	7.3	6.4	6.9	28.700	—	—	189	42	12	25	33	160	26	65	55	143	61	79	90	81	121	37

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

UPPINGHAM

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

1888.	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. 29.667	35.4	35.9	35.7	32.1	40.7	23.3	30th	57.7	10th	0.9	0.9	0.9	in. 1.93	in. 1.98	in. 1.96	89.8	91.0	90.4		
February	439	33.7	32.8	33.3	29.6	38.4	17.9	25th	48.8	6th	1.3	0.9	1.1	1.67	1.68	1.68	83.6	87.9	85.8		
March	063	35.7	35.2	35.5	30.9	42.6	24.1	1st	53.9	9th	1.3	0.9	1.1	1.84	1.89	1.87	85.9	89.7	87.8		
April	345	41.8	39.9	40.9	35.7	49.6	26.0	6th	62.9	15th	1.5	0.9	1.2	2.38	2.33	2.36	88.7	92.4	90.6		
May	506	52.1	47.5	49.8	41.6	61.0	33.8	11th	73.7	19th	3.6	2.2	2.9	3.06	2.83	2.95	77.6	84.5	81.1		
June	410	55.5	52.0	53.8	47.1	65.6	42.0	18th	83.5	25th	2.3	1.1	1.7	3.81	3.63	3.72	85.4	92.5	89.0		
July	224	56.3	54.0	55.2	49.1	63.5	38.2	11th	74.7	19th	2.3	1.1	1.7	3.90	3.90	3.90	85.8	92.6	89.2		
August	454	57.7	54.4	56.1	49.9	65.8	42.8	16th	80.8	10th	2.8	1.6	2.2	3.99	3.84	3.92	82.6	89.9	86.3		
September	625	53.6	51.4	52.5	47.3	62.7	36.1	30th	69.3	14th	1.9	1.2	1.6	3.63	3.54	3.59	87.7	92.2	90.0		
October	511	44.4	43.2	43.8	38.3	53.6	28.8	5th	66.3	27th	1.6	1.1	1.4	2.64	2.63	2.64	88.2	91.0	89.6		
November	238	44.2	44.0	44.1	40.3	48.8	31.2	7th	58.5	16th	0.8	0.9	0.9	2.78	2.74	2.76	94.3	93.3	93.8		
December	29.409	38.1	39.4	38.8	34.9	43.7	22.4	18th	56.1	5th	0.5	0.8	0.7	2.25	2.33	2.29	94.4	93.5	94.0		
Year	29.408	45.7	44.1	44.9	39.7	53.0	—	—	—	—	1.7	1.1	1.4	2.82	2.78	2.80	87.0	90.9	89.0		

CHURCHSTOKE

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

1888.	ins.	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	29.619	37.1	36.4	36.8	31.6	42.4	19.1	30th	58.5	9th	1.5	1.3	1.4	in. 1.95	in. 1.94	in. 1.95	85.3	86.7	86.0		
February	442	35.1	34.0	34.6	29.5	38.5	17.8	26th	49.0	4th	1.7	1.2	1.5	1.72	1.73	1.73	81.7	86.2	84.0		
March	026	37.2	34.8	36.0	30.2	43.4	17.6	2nd	56.3	8th	2.0	1.2	1.6	1.86	1.80	1.83	81.8	87.1	84.5		
April	312	43.1	40.3	41.7	35.4	49.8	23.4	6th	61.9	28th	2.9	1.7	2.3	2.23	2.19	2.21	78.6	85.3	82.0		
May	446	52.6	46.4	49.5	39.5	59.8	32.4	13th	74.5	19th	4.2	2.4	3.3	2.94	2.64	2.79	74.0	82.6	78.3		
June	362	55.5	52.1	53.8	46.2	63.3	35.0	20th	78.1	25th	3.8	2.0	2.9	3.41	3.41	3.41	77.6	87.0	82.3		
July	173	56.9	52.8	54.9	48.3	63.0	36.0	1st	72.7	19th	2.9	1.5	2.2	3.81	3.61	3.71	82.4	89.8	86.1		
August	406	57.4	52.9	55.2	47.0	64.7	36.8	18th	80.5	9th	3.4	1.7	2.6	3.79	3.58	3.69	79.9	88.5	84.2		
September	585	53.4	49.4	51.4	43.3	60.9	36.0	30th	67.5	2nd	2.6	1.5	2.1	3.37	3.18	3.28	83.1	89.2	86.2		
October	461	46.8	43.1	45.0	37.1	54.1	27.1	23rd	62.0	28th	2.2	1.4	1.8	2.76	2.56	2.66	84.7	88.6	86.7		
November	155	45.7	45.1	45.4	40.9	49.1	29.2	28th	59.1	15, 16	1.7	1.4	1.6	2.73	2.74	2.74	87.4	89.6	88.5		
December	29.325	40.1	38.8	39.5	33.6	45.7	18.3	18th	55.6	4th, 5th	1.3	1.1	1.2	2.27	2.20	2.24	88.1	89.3	88.7		
Year	29.359	46.7	43.8	45.3	38.6	52.9	—	—	—	—	2.5	1.5	2.0	2.74	2.63	2.69	82.1	87.5	84.8		

GELDESTON

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

1888.	ins.	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	30.161	36.5	37.6	37.1	33.1	42.6	15.8	30th	56.9	9th	0.9	0.8	0.9	in. 2.00	in. 2.13	in. 2.07	90.3	92.2	91.3		
February	29.889	34.8	34.1	34.5	30.2	38.7	10.1	2nd	51.5	8th	1.2	0.9	1.1	1.79	1.81	1.80	85.7	89.1	87.4		
March	539	37.0	36.7	36.9	32.7	42.6	24.1	2nd	56.6	10th	1.0	1.0	1.0	2.02	2.00	2.01	89.3	89.3	89.3		
April	823	43.9	40.6	42.3	35.7	49.3	26.9	6th	62.8	30th	2.7	1.3	2.0	2.33	2.32	2.33	81.1	89.9	85.5		
May	998	54.0	48.1	51.1	42.1	59.7	31.7	11th	73.0	19th	5.3	2.8	4.1	2.91	2.78	2.85	68.8	81.8	75.3		
June	887	59.2	53.7	56.5	49.0	65.1	40.8	1st	84.0	3rd	4.1	1.8	3.0	3.89	3.66	3.78	76.6	88.3	82.5		
July	706	59.6	55.2	57.4	50.5	64.7	38.9	2nd	72.9	20th	3.5	1.1	2.3	4.07	4.07	4.07	79.3	92.9	86.1		
August	29.939	60.3	57.0	58.7	50.4	66.5	39.1	19th	81.8	9th	3.9	2.1	3.0	4.10	4.10	4.10	77.8	87.3	82.6		
September	30.098	57.6	53.9	55.8	49.1	62.8	38.0	30th	69.8	3rd	2.5	1.2	1.9	4.03	3.86	3.95	84.5	91.5	88.0		
October	29.996	46.2	44.0	45.1	37.6	54.8	26.9	21st	67.0	27th	1.6	0.9	1.3	2.82	2.74	2.78	88.5	93.2	90.9		
November	757	46.1	46.7	46.4	42.5	50.4	34.7	7th	61.6	16th	1.3	1.7	1.5	2.87	2.84	2.86	91.0	87.6	89.3		
December	29.940	39.8	40.4	40.1	35.7	45.9	24.0	18th	54.8	6th	0.6	0.7	0.7	2.41	2.43	2.42	95.5	94.9	95.2		
Year	29.894	47.9	45.7	46.8	40.7	53.6	—	—	—	—	2.4	1.4	1.9	2.94	2.90	2.92	84.0	89.8	86.9		

MONTHLY SUMMARIES.—UPPINGHAM—CHURCHSTOKE—GELDESTON.

UPPINGHAM.

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

1888.	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	7.2	7.5	ins. 0.939	ins. .263	31st	15	4	0	0	3	19	3	4	7	1	2	9	11	15	10	3
February -	8.1	8.2	8.2	1.638	.700	14th	14	13	0	0	1	20	0	11	15	5	0	0	4	10	12	1
March -	8.5	6.7	7.6	2.116	.428	11th	14	13	1	0	3	18	1	12	10	3	4	4	10	7	8	4
April -	8.7	6.7	7.7	2.276	.712	23rd	20	7	1	2	1	17	0	9	18	0	2	4	10	9	6	2
May -	8.0	4.6	6.3	0.756	.214	29th	9	0	1	0	3	10	2	9	9	3	2	8	12	14	2	3
June -	8.7	6.8	7.8	1.909	.578	20th	17	0	2	7	0	17	0	7	13	8	1	5	6	10	4	6
July -	9.4	8.9	9.2	3.748	.742	15th	24	0	0	3	0	26	2	6	7	7	4	7	17	8	3	3
August -	8.4	6.9	7.7	2.515	.753	20th	16	0	0	2	1	16	1	11	4	1	2	11	16	12	4	1
September	7.4	6.2	6.8	1.644	.510	24th	14	0	0	2	6	16	0	7	12	6	3	2	5	8	8	9
October -	6.3	4.9	5.6	0.341	.147	4th	8	3	0	0	5	7	2	6	9	0	2	4	17	12	10	2
November	8.9	7.0	8.0	3.128	.530	12th	20	1	1	0	2	20	8	1	5	7	11	5	11	15	2	3
December	7.3	6.6	7.0	1.460	.486	8th	16	0	0	0	2	16	2	4	1	1	2	27	11	9	6	1
Year	8.1	6.7	7.4	22.470	—	—	187	41	6	16	27	202	21	87	110	42	35	86	130	129	75	38

BENNINGTON

Long. 0° 5' W. Lat. 51° 54' N. Height above Mean Sea Level, 407 feet.

1888.	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.		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	29.789	35.7	36.1	35.9	31.7	41.2	21.7	30th	59.3	9th	0.9	0.6	0.8	.193	.203	.198	89.7	92.8	91.3
February	528	33.5	33.0	33.3	29.5	37.4	17.2	25th	49.7	6th	1.4	1.0	1.2	.163	.167	.165	82.1	85.9	84.0
March	178	36.2	35.6	35.9	31.5	41.9	22.5	2nd	54.6	10th	1.4	1.0	1.2	.188	.190	.189	85.7	89.4	87.6
April	455	42.3	40.0	41.2	35.6	49.1	26.9	6th	62.5	30th	2.4	1.5	2.0	.224	.220	.222	82.2	86.6	84.4
May	629	52.2	48.0	50.1	41.7	59.8	33.9	11th	72.8	19th	5.0	3.0	4.0	.274	.271	.273	69.7	80.4	75.1
June	514	56.4	54.2	55.3	48.3	65.2	42.5	7th	82.8	25th	3.7	2.5	3.1	.359	.359	.359	79.2	84.4	81.8
July	345	57.1	54.6	55.9	50.0	63.7	40.6	11th	69.8	22nd	3.2	1.8	2.5	.379	.379	.379	81.2	88.4	84.8
August	583	58.5	55.3	56.9	49.8	65.7	41.7	16th	82.0	10th	3.5	1.9	2.7	.392	.387	.390	79.3	87.6	83.5
September	734	55.6	52.5	54.1	48.2	63.0	37.2	30th	71.6	15th	2.7	1.5	2.1	.370	.360	.365	83.9	89.8	86.9
October	638	45.3	43.2	44.3	37.7	54.1	27.3	23rd	66.2	27th	2.1	1.2	1.7	.261	.260	.261	84.4	90.5	87.5
November	370	45.4	45.1	45.3	41.6	50.0	33.5	28th	59.1	16th	1.2	1.4	1.3	.282	.272	.277	91.7	89.2	90.5
December	29.557	38.4	39.1	38.8	35.0	44.1	22.8	18th	56.4	4th	0.7	0.7	0.7	.225	.228	.227	93.6	93.5	93.6
Year	29.527	46.4	44.7	45.6	40.1	52.9	—	—	—	—	2.4	1.5	2.0	.276	.275	.276	83.6	88.2	85.9

CHELTENHAM

Long. 2° 3' W. Lat. 51° 54' N. Height above Mean Sea Level, 184 feet.

1888.	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.		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	34.4	34.4	34.4	29.0	39.1	10.5	17th	51.2	6th	1.0	1.1	1.1	.181	.178	.180	89.5	88.0	88.8
February	401	38.0	37.4	37.7	32.3	43.6	20.1	2nd	55.0	9th	1.7	1.6	1.7	.198	.194	.196	85.4	85.5	85.5
March	684	44.0	42.5	43.3	36.6	50.2	24.0	7th	60.1	28th	3.0	2.1	2.6	.230	.232	.231	78.3	83.8	81.1
April	833	53.0	50.2	51.6	41.9	61.1	32.0	5th	74.2	19th	4.8	3.5	4.2	.287	.284	.286	71.1	77.7	74.4
May	723	56.3	55.5	55.9	48.1	65.2	37.3	14th	78.0	25th	3.4	2.4	2.9	.361	.376	.369	79.3	84.5	81.9
June	544	57.7	56.6	57.2	50.5	64.6	36.2	13th	72.6	19th	3.0	2.3	2.7	.390	.394	.392	81.7	85.0	83.4
July	791	59.6	55.7	57.7	49.9	66.2	39.0	18th	81.0	9th	4.2	2.2	3.2	.388	.386	.387	75.5	86.5	81.0
August	953	54.4	52.0	53.2	45.0	63.0	32.8	13th	71.2	15th	2.6	1.8	2.2	.355	.347	.351	83.5	88.7	86.1
September	848	45.9	43.1	44.5	36.7	55.0	23.3	7th	67.6	28th	2.1	1.5	1.8	.269	.258	.264	85.5	89.5	87.5
October	549	47.0	46.8	46.9	43.0	51.3	32.0	28th	59.5	15th	1.7	1.6	1.7	.286	.288	.287	87.7	88.5	88.1
December	29.726	40.6	41.4	41.0	36.5	46.3	22.0	31st	58.2	5th	1.2	1.2	1.2	.238	.242	.240	90.0	90.5	90.3
Year	—	47.3	—	—	40.0	53.9	—	—	—	—	2.5	—	—	.282	—	—	83.2	—	—

ST. DAVID'S (PEMBROKE)

Long. 5° 16' W. Lat. 51° 53' N. Height above Mean Sea Level, 215 feet.

1888.	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.		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	29.985	40.7	40.7	40.7	37.0	44.1	26.4	16th	50.2	5th	1.2	0.8	1.0	.235	.241	.238	90.3	92.2	91.3
February	829	38.7	37.8	38.3	34.2	41.4	24.0	26th	48.4	9th	1.6	1.2	1.4	.209	.206	.208	86.7	88.9	87.8
March	387	40.0	38.4	39.2	34.3	43.9	24.4	2nd	51.1	10th	1.4	1.2	1.3	.221	.211	.216	88.1	88.7	88.4
April	677	44.0	42.3	43.2	38.6	48.0	29.6	6th	52.3	16th	1.9	1.2	1.6	.250	.248	.249	85.9	90.6	88.3
May	799	51.2	47.2	49.2	44.1	54.9	39.4	12th	62.6	24th	2.4	1.1	1.8	.316	.301	.309	84.0	91.8	87.9
June	691	55.1	52.2	53.7	49.0	59.9	42.6	14th	73.6	25th	1.0	0.7	0.9	.410	.374	.392	93.4	95.0	94.2
July	531	56.2	54.2	55.2	51.4	60.2	42.9	1st	66.8	19th	1.6	1.0	1.3	.408	.392	.400	89.6	92.6	91.1
August	767	57.5	55.2	56.4	52.0	61.7	43.4	18th	65.2	25th	2.2	1.1	1.7	.412	.408	.410	86.4	92.7	89.6
September	934	56.6	53.4	55.0	49.1	60.9	41.2	9th	67.3	20th	2.5	1.3	1.9	.391	.376	.384	84.6	91.6	88.1
October	817	50.7	49.5	50.1	45.1	54.6	34.5	2nd	59.7	19th	1.9	1.4	1.7	.326	.324	.325	86.9	89.9	88.4
November	497	48.6	47.8	48.2	44.1	51.9	29.7	7th	55.3	16th	1.5	1.5	1.5	.310	.302	.306	89.1	89.5	89.3
December	29.645	45.7	44.9	45.3	41.0	48.6	30.1	30th	54.1	6th	1.5	1.5	1.5	.279	.270	.275	89.1	88.7	88.9
Year	29.713	48.8	47.0	47.9	43.3	52.5	—	—	—	—	1.7	1.2	1.5	.314	.304	.309	87.8	91.0	89.4

BENNINGTON.

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

Height above Ground.																							
1888.	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 -	7.9	6.8	7.4	0.790	.230	2nd	17	8	0	0	4	18	0	2	4	7	4	10	12	14	2	7	
February -	9.3	7.3	8.3	1.050	.220	13th	15	18	1	0	1	20	0	14	16	4	1	0	6	16	1	0	
March -	9.0	6.8	7.9	2.830	.360	10th	22	18	1	1	2	18	1	13	6	4	5	7	9	13	2	3	
April -	8.7	5.9	7.3	2.140	.760	20th	17	8	1	3	1	17	0	8	13	3	1	2	14	11	2	6	
May -	7.4	4.0	5.7	1.050	.310	16th	6	0	2	5	4	8	1	3	11	4	9	5	6	17	3	4	
June -	9.4	8.9	9.2	1.820	.570	26th	17	0	0	10	0	25	0	10	9	7	3	10	4	11	0	6	
July -	9.4	8.3	8.9	4.200	.710	30th	27	0	1	7	0	24	0	5	2	7	2	12	12	12	7	3	
August -	8.0	5.9	7.0	3.030	.830	1st	18	0	1	7	3	16	0	4	5	2	4	11	20	11	4	1	
September -	7.4	5.7	6.6	0.990	.340	9th	17	0	0	3	5	16	0	8	9	12	1	5	4	9	6	6	
October -	6.4	4.9	5.7	1.020	.310	29th	13	1	0	0	9	11	0	3	5	5	1	7	10	14	7	10	
November -	9.1	7.5	8.3	3.960	.950	2nd	23	0	1	0	1	18	0	1	0	12	13	7	5	17	0	5	
December -	7.6	6.8	7.2	1.110	.260	24th	18	1	0	0	3	17	0	5	0	0	13	21	6	10	1	6	
Year	8.3	6.6	7.5	23.990	—	—	210	54	8	36	33	208	2	76	80	67	57	97	108	155	35	57	

CHELTENHAM.

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

1888.	Amount of Cloud.			Rainfall.</
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OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

CARMARTHEN

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

1888.	Mean Pressure at 32° Fah.	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. 30.009	38.7	37.7	38.2	33.4	43.5	20.4	30th	53.8	22nd	1.1	0.9	1.0	in. 219	214	217	89.9	91.6	90.8	
February -	29.832	37.3	36.1	36.7	32.0	42.1	22.1	17th	51.2	7th	2.1	1.5	1.8	185	185	185	80.5	84.2	82.4	
March -	.399	40.8	37.0	38.9	32.6	45.7	23.7	2nd	53.4	10th	2.8	1.4	2.1	203	194	199	78.0	85.8	81.9	
April -	.679	46.1	43.0	44.6	38.2	51.5	27.5	2nd	56.3	15th	3.4	1.9	2.7	243	240	242	77.2	85.0	81.1	
May -	.816	56.2	47.8	52.0	43.2	60.3	34.7	15th	73.2	24th	5.3	2.2	3.8	316	283	300	71.1	85.0	78.1	
June -	.708	59.2	54.4	56.8	49.5	64.4	43.3	14th	80.5	25th	4.2	1.7	3.0	384	377	381	77.0	89.0	83.0	
July -	.536	60.1	54.9	57.5	51.5	64.0	40.7	1st	72.2	19th	3.9	1.5	2.7	403	388	396	77.9	89.8	83.9	
August -	.763	59.8	55.4	57.6	50.3	64.9	38.3	19th	75.0	9th	4.4	1.8	3.1	389	393	391	76.1	88.7	82.4	
September	.945	58.2	52.1	55.2	46.6	64.5	39.1	12th	70.4	14th	4.0	1.3	2.7	374	358	366	77.3	91.3	84.3	
October -	.834	50.8	46.1	48.5	40.4	56.6	29.3	23rd	61.2	18th	2.9	1.5	2.2	305	286	296	81.5	89.3	85.4	
November	.525	48.3	46.8	47.6	42.9	52.4	30.7	7th	58.0	11th	1.9	1.4	1.7	298	292	295	86.9	89.9	88.4	
December	29.692	42.4	42.2	42.3	37.1	48.4	23.5	31st	55.0	5th	1.0	0.9	1.0	258	256	257	91.7	92.7	92.2	
Year -	29.728	49.8	46.1	48.0	41.5	54.9	—	—	—	—	3.1	1.5	2.3	298	289	294	80.4	88.5	84.5	

BERKHAMSTED

Long. 0° 31' W. Lat. 51° 46' N. Height above Mean Sea Level, 400 feet.

	ins.	°	°	°	°	°	°								in.	in.	in.	%	%	%
January -	29.793	35.0	35.9	35.5	32.1	41.6	19.4	30th	56.8	10th	0.6	0.8	0.7	.191	.195	.193	94	92	93	
February -	.537	33.4	33.2	33.3	29.6	38.4	16.9	2nd	52.1	4th	1.1	1.0	1.1	.168	.168	.168	88	89	89	
March -	.184	36.5	35.6	36.1	31.7	42.8	20.4	2nd	54.3	10th	1.4	1.1	1.3	.188	.186	.187	87	89	88	
April -	.462	41.9	40.3	41.1	35.4	49.6	22.7	6th	61.0	30th	2.1	1.5	1.8	.222	.219	.221	83	88	86	
May -	.639	52.1	48.7	50.4	41.4	60.6	30.4	11th	72.8	19th	5.0	3.1	4.1	.267	.270	.269	69	78	74	
June -	.524	55.8	54.0	54.9	48.3	65.3	41.7	7th, 18th	84.3	25th	3.6	2.3	3.0	.345	.353	.349	77	84	81	
July -	.354	56.9	55.0	56.0	50.2	63.6	39.3	1st	71.8	19th	3.0	1.6	2.3	.375	.385	.380	81	89	85	
August -	.592	58.2	55.1	56.7	49.7	65.8	40.5	15th	81.5	10th	3.6	2.0	2.8	.379	.377	.378	78	87	83	
September	.743	54.9	52.1	53.5	47.1	63.8	34.1	30th	73.0	15th	2.3	1.4	1.9	.366	.352	.359	85	90	88	
October -	.648	44.5	41.3	42.9	35.8	55.2	23.3	3rd	65.5	27th	1.8	0.7	1.3	.253	.244	.249	86	94	90	
November	.372	45.1	45.5	45.3	41.9	50.1	30.1	28th	59.4	16th	1.2	1.5	1.4	.272	.270	.271	90	88	89	
December	29.552	37.8	38.8	38.3	34.2	44.2	23.1	11th	57.1	4th	0.5	0.7	0.6	.217	.222	.220	96	94	95	
Year -	29.533	46.0	44.6	45.3	39.8	53.4	—	—	—	—	2.2	1.5	1.9	.270	.270	.270	84.5	88.5	86.5	

KEW

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

	ins.													in.	in.	in.	%	%	%
January -	30.216	36.8	37.6	37.2	34.0	41.8	24.2	30th	51.1	8th	1.1	1.4	1.3	197	198	198	91	88	90
February -	29.945	35.1	35.4	35.3	32.0	39.3	21.6	2nd	51.3	6th	1.8	2.1	2.0	169	167	168	82	81	82
March -	595	38.4	37.9	38.2	33.9	44.0	25.3	2nd	55.3	10th	2.1	1.9	2.0	191	191	191	83	84	84
April -	29.871	43.8	42.6	43.2	37.4	50.7	28.3	6th	64.5	15th	3.0	2.4	2.7	222	223	223	77	82	80
May -	30.039	53.1	51.7	52.4	43.7	61.1	34.3	12th	73.8	19th	4.9	4.1	4.5	280	283	282	69	74	72
June -	29.909	58.0	56.7	57.4	50.5	65.5	44.4	17th	82.0	25th	4.0	3.1	3.6	367	371	369	76	81	79
July -	749	58.5	57.3	57.9	52.0	64.6	43.6	11th	71.3	22nd	3.4	2.1	2.8	389	407	398	79	86	83
August -	29.990	59.6	57.2	58.4	51.1	66.2	43.4	19th	79.7	10th	3.6	2.3	3.0	400	400	400	78	85	82
September	30.130	55.4	54.3	54.9	48.7	62.8	39.2	30th	71.0	15th	2.1	1.9	2.0	379	368	374	87	87	87
October -	30.051	43.8	43.8	43.8	37.5	53.6	28.1	3rd	66.9	27th	1.7	1.3	1.5	248	257	253	87	90	89
November	29.779	46.6	46.9	46.8	43.3	51.2	34.9	28th	58.7	16th	1.5	1.8	1.7	282	278	280	90	88	89
December	29.971	39.7	40.1	39.9	35.6	44.9	26.1	31st	57.3	5th	1.0	1.1	1.1	224	225	225	92	91	92
Year -	29.937	47.4	46.8	47.1	41.6	53.8	—	—	—	—	2.5	2.1	2.3	279	281	280	82.6	84.8	83.7

MONTHLY SUMMARIES.—CARMARTHEN—BERKHAMSTED—KEW.

CARMARTHEN.

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

1888.		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. 2.540	ins. .580	20th	19	1	2	0	2	15	2	5	8	6	4	2	10	4	5	18		
February	-	6.8	6.2	6.5	0.670	.220	2nd	9	7	1	0	5	11	0	13	16	5	0	1	1	6	4	12		
March	-	7.3	5.6	6.5	3.790	.570	8th	18	4	0	0	2	12	1	13	13	5	3	2	11	4	4	7		
April	-	8.1	7.2	7.7	1.480	.280	16th	15	1	0	0	2	19	0	5	10	8	2	1	17	2	9	6		
May	-	6.5	3.3	4.9	2.200	.500	29th	12	0	0	0	7	8	1	3	7	2	5	6	17	5	3	14		
June	-	7.4	6.2	6.8	4.420	1.030	5th	20	0	0	1	3	13	0	11	2	12	3	7	11	5	2	7		
July	-	8.5	7.9	8.2	6.830	1.000	1st	21	0	0	3	1	20	0	10	4	6	4	2	19	7	7	3		
August	-	5.9	5.1	5.5	6.660	2.310	28th	19	0	1	1	4	5	1	2	3	11	2	8	18	12	6	0		
September	-	5.3	4.4	4.9	1.320	.440	5th	11	0	0	0	10	9	0	10	7	18	1	3	6	3	0	12		
October	-	6.1	6.1	6.1	3.900	.920	28th	17	0	1	0	6	11	1	7	1	11	1	1	9	4	5	23		
November	-	8.4	8.4	8.4	8.730	1.490	14th	27	1	2	1	0	21	3	2	1	13	10	3	15	10	1	5		
December	-	7.6	6.1	6.9	7.990	1.790	27th	21	0	0	0	5	17	0	5	0	5	3	14	11	3	0	21		
Year	-	7.1	6.1	6.6	50.530	—	—	209	14	7	6	47	161	9	86	72	102	38	50	145	65	46	128		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

MARGATE

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

1888.	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. 30.146	37.7	38.1	37.9	34.0	42.1	22.8	1st	51.0	8th	1.0	1.2	1.1	in.	in.	in.	89.8	88.5	89.2		
February	29.836	34.6	34.9	34.8	31.9	38.3	20.6	2nd	46.8	5th	1.0	0.9	1.0	1.82	1.88	1.85	88.8	91.2	90.0		
March	514	37.8	37.2	37.5	33.4	42.7	25.4	1st	55.8	10th	1.3	1.2	1.3	2.03	2.00	2.02	88.0	89.2	88.6		
April	792	43.6	41.3	42.5	37.5	49.2	31.1	8th	67.0	30th	2.5	1.8	2.2	2.35	2.28	2.32	81.9	86.1	84.0		
May	983	52.6	48.7	50.7	43.8	58.2	36.0	10th	74.2	19th	4.6	2.7	3.7	2.83	2.83	2.83	71.5	82.1	76.8		
June	843	58.0	55.0	56.5	50.7	63.4	45.3	7th	80.6	3rd	3.8	2.5	3.2	3.75	3.66	3.71	77.8	84.4	81.1		
July	688	58.9	55.8	57.4	52.4	64.1	43.7	11th	69.2	27th	3.6	1.8	2.7	3.92	3.96	3.94	78.7	83.5	81.5		
August	29.923	60.7	57.3	59.0	53.1	67.0	45.0	3rd	81.0	10th	3.2	2.4	2.8	4.35	4.03	4.19	81.5	85.5	83.5		
September	30.054	58.5	56.1	57.3	52.9	62.8	41.9	30th	74.8	24th	3.0	2.1	2.6	4.04	3.94	3.99	82.3	86.7	84.5		
October	29.978	48.9	47.5	48.2	42.1	54.3	32.2	5th	67.0	27th	2.6	2.1	2.4	2.87	2.83	2.85	82.0	85.6	83.8		
November	735	47.2	47.2	47.2	43.4	51.0	33.2	7th	57.9	16th	1.6	1.8	1.7	2.91	2.86	2.89	88.4	87.1	87.8		
December	29.911	41.5	42.7	42.1	38.0	46.5	27.8	17th	52.9	5th	1.1	1.4	1.3	2.43	2.48	2.46	91.3	89.7	90.5		
Year	29.867	48.3	46.8	47.6	42.8	53.3	—	—	—	—	2.4	1.8	2.1	2.95	2.90	2.93	83.5	87.0	85.3		

SOUTHAMPTON

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

January	ins. 30.166	36.8	37.6	37.2	33.3	43.2	22.1	30th	52.6	8th, 23rd	0.7	0.8	0.8	in.	in.	in.	92.9	91.8	92.4		
February	29.902	35.3	35.2	35.3	31.5	41.3	20.2	2nd	53.8	6th	1.2	1.4	1.3	1.83	1.79	1.81	86.0	84.6	85.3		
March	551	39.1	37.8	38.5	33.7	45.6	23.1	1st	55.4	10th	1.6	1.3	1.5	2.10	2.07	2.08	85.4	87.2	86.3		
April	820	45.3	42.3	43.8	37.8	51.5	26.5	6th	61.1	13th	2.6	1.6	2.1	2.51	2.39	2.45	81.6	87.4	84.5		
May	986	55.9	51.1	53.5	44.0	62.4	35.2	12th	71.9	8th	5.0	3.0	4.0	3.19	3.03	3.11	71.3	80.6	76.0		
June	852	58.9	56.2	57.6	50.7	65.9	40.1	18th	78.7	25th	3.6	2.3	3.0	3.93	3.90	3.92	79.0	85.5	82.3		
July	700	59.8	57.2	58.5	52.7	65.2	42.7	11th	72.6	13th	3.1	1.5	2.3	4.21	4.26	4.24	81.9	90.6	86.3		
August	29.943	60.9	57.0	59.0	52.3	66.9	46.1	14.31	79.2	9th	3.4	1.7	2.6	4.32	4.16	4.24	80.5	89.0	84.8		
September	30.073	58.0	54.3	56.2	49.3	66.1	40.1	12th	73.9	15th	2.7	1.4	2.1	4.05	3.88	3.97	84.0	90.9	87.5		
October	30.002	48.5	45.3	46.9	39.6	57.3	28.9	15th	67.6	27th	1.9	1.1	1.5	3.02	2.85	2.94	86.9	91.3	89.1		
November	29.726	48.2	47.7	48.0	44.3	52.8	32.8	7th	58.9	14th	1.2	1.3	1.3	3.11	3.04	3.08	91.3	90.6	91.0		
December	29.901	42.2	42.8	42.5	38.3	48.5	28.0	11th	58.3	5th	0.9	1.1	1.0	2.58	2.59	2.59	91.8	92.4			
Year	29.885	49.1	47.0	48.1	42.3	55.6	—	—	—	—	2.3	1.5	1.9	3.08	3.00	3.04	84.5	88.4	86.5		

EASTBOURNE

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

January	ins. 30.217	38.4	39.2	38.8	35.1	42.7	23.8	30th	50.0	23rd	1.3	1.3	1.3	in.	in.	in.	87.6	88.3	88.0		
February	29.906	35.6	36.5	36.1	32.2	40.4	20.0	25th	52.3	9th	1.5	1.8	1.7	1.80	1.84	1.82	84.0	83.3	83.7		
March	596	38.1	38.5	38.3	34.1	43.0	23.5	1st	48.6	6th, 10th	1.7	1.9	1.8	2.00	1.95	1.98	85.7	83.9	84.8		
April	29.864	42.6	42.0	42.3	37.8	47.4	30.0	6th	52.9	11th	2.0	2.0	2.0	2.34	2.28	2.31	84.2	83.8	84.0		
May	30.050	51.2	49.5	50.4	44.2	55.8	36.0	11th	67.2	19th	3.1	2.5	2.8	3.02	2.95	2.99	80.1	83.5	81.8		
June	29.907	56.4	54.7	55.6	50.3	61.3	44.7	18th	77.1	25th	2.7	2.0	2.4	3.82	3.74	3.78	83.3	87.0	85.2		
July	762	57.2	56.8	57.0	53.6	61.7	40.3	11th	68.6	28th	1.9	1.6	1.8	4.14	4.17	4.16	88.1	89.8	89.0		
August	29.995	59.5	58.1	58.8	54.4	65.5	47.2	17th	73.2	12th	2.7	2.0	2.4	4.28	4.23	4.26	83.7	87.1	85.4		
September	30.113	58.1	56.1	57.1	51.7	63.9	44.5	10th	69.8	15th	3.0	2.3	2.7	3.98	3.94	3.96	81.7	84.9	83.3		
October	30.045	48.9	48.7	48.8	42.6	55.7	33.0	24th	61.6	27th	2.9	2.5	2.7	2.83	2.90	2.87	80.0	82.8	81.4		
November	29.794	50.3	49.7	50.0	47.3	54.0	36.0	7th	59.6	17th	2.0	2.1	2.1	3.18	3.09	3.14	86.3	85.7	86.0		
December	29.972	43.9	44.3	44.1	41.3	49.7	32.0	17th	56.0	4th	1.4	1.5	1.5	2.60	2.62	2.61	88.8	88.7	88.8		
Year	29.935	48.4	47.8	48.1	43.7	53.4	—	—	—	—	2.2	2.0	2.1	3.01	2.99	3.00	84.5	85.7	85.1		

MONTHLY SUMMARIES.—MARGATE—SOUTHAMPTON—EASTBOURNE.

MARGATE.

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

Heights Above Ground.																								
1888.	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 -	8.0	7.9	8.0	ins. 1.260	ins. 4.70	31st	15	5	0	0	1	20	0	2	5	10	1	6	9	16	5	8		
February -	9.0	8.3	8.7	2.040	4.30	15th	15	12	4	0	0	24	1	7	10	14	1	2	15	7	2	0		
March -	9.0	6.9	8.0	2.690	4.00	27th	20	11	1	2	0	20	1	4	7	4	4	9	13	6	13	2		
April -	7.7	5.8	6.8	0.870	1.90	23rd	15	6	0	0	7	8	0	14	7	5	4	5	18	7	0	2		
May -	6.3	4.1	5.2	0.760	3.50	16th	6	0	0	0	7	8	0	14	7	5	4	5	18	7	0	2		
June -	8.6	6.2	7.4	1.630	3.60	26th	17	0	0	2	0	15	0	9	3	11	4	11	6	9	4	3		
July -	8.5	7.3	7.9	3.660	7.20	10th	21	0	0	3	0	18	0	2	0	8	1	10	23	9	4	5		
August -	6.3	5.2	5.8	0.760	3.30	28th	13	0	0	0	3	9	0	2	7	4	3	5	15	19	5	2		
September -	6.5	5.3	5.9	1.290	5.70	8th	14	0	0	2	7	12	0	8	4	15	3	5	10	6	1	8		
October -	5.7	4.6	5.2	1.590	5.90	29th	13	0	0	0	7	9	0	2	5	4	4	8	17	6	6	10		
November -	8.4	7.0	7.7	3.380	7.30	28th	20	0	0	0	0	15	0	0	0	9	8	13	19	7	1	3		
December -	6.9	5.4	6.2	1.760	5.40	28th	21	0	0	0	3	11	0	8	0	1	7	17	15	3	6	5		
Year -	7.6	6.2	6.9	21.690	—	—	190	34	5	10	30	173	2	61	49	101	44	102	175	98	51	51		

SOUTHAMPTON.

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

January	7.1	6.3	6.8	ins. 1.166	ins. 2.60	20th	15	2	1	0
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OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ROUSDON

Long. 3° 0' W. Lat. 50° 42' N. Height above Mean Sea Level, 523 feet.

St. George's W. Lat. 50° 42' N. Height above Mean Sea Level, 523 feet.																						
1888.	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°657	37°7	37°4	37°6	33°5	43°2	25°9	14, 18, 29	55°1	9th	0°2	0°2	0°2	in. 225	in. 225	in. 225	% 96°5	% 98°2	% 97°4			
February -	421	33°6	33°1	33°4	29°2	39°5	18°0	25th	53°3	4th	0°1	0°1	0°1	193	192	194	98°3	99°1	98°7			
March -	52	37°3	35°9	36°6	31°8	42°7	21°9	2nd	50°1	12th	0°5	0°2	0°4	215	209	212	93°1	98°0	96°6			
April -	327	43°3	40°2	41°8	36°1	49°8	26°9	9th	58°1	27th	1°9	1°0	1°5	244	230	237	85°9	90°9	88°4			
May -	491	51°3	47°1	49°2	41°8	57°5	35°8	11, 15	72°5	24th	2°7	2°0	2°4	313	280	297	82°9	86°5	84°7			
June -	375	54°8	52°0	53°4	47°7	61°7	39°3	14th	71°5	24th	1°8	1°0	1°4	381	366	374	88°5	93°9	91°2			
July -	224	55°9	53°2	54°6	49°4	61°4	39°8	11th	70°0	19th	1°6	0°7	1°2	402	387	395	89°8	95°0	92°4			
August -	467	57°7	53°1	55°4	49°6	62°5	42°8	2nd	70°0	22nd	2°3	1°0	1°7	413	379	396	86°5	92°6	89°6			
September	593	55°2	51°9	53°6	47°0	63°0	39°3	9th	71°0	20, 21	1°9	1°0	1°5	384	364	374	87°6	93°0	90°3			
October -	503	48°6	45°2	46°9	41°3	55°3	30°3	7th	59°5	12, 21	1°8	1°0	1°4	302	285	294	87°0	92°6	89°8			
November	214	47°2	46°4	46°8	42°2	52°2	30°8	7th	57°1	1st, 3rd	0°9	0°9	0°9	306	297	302	93°2	93°2	93°2			
December	29°374	42°6	42°5	42°6	37°7	48°1	27°8	31st	54°4	5th	0°8	0°6	0°7	263	263	263	93°6	94°6	94°1			
Year -	29°392	47°1	44°8	46°0	40°6	53°1	—	—	—	—	1°4	0°8	1°1	304	290	297	90°4	94°0	92°2			

DARTMOOR

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

Height above Mean Sea Level, 1,359 feet.																			
	ins.																		
January -	—	38.5	37.0	37.8	31.7	45.0	19.0	18th	58.9	9th	1.5	1.5	1.5	in.	in.	in.	%	%	%
February -	—	32.2	30.7	31.5	24.3	37.9	14.0	24th	48.9	4th	3.2	2.9	3.1	.204	.190	.197	84.1	82.5	83.3
March -	—	34.4	32.6	33.5	29.4	38.4	18.0	17th	44.0	28th	1.9	1.5	1.7	.119	.112	.116	57.3	57.1	57.2
April -	—	39.3	37.1	38.2	33.9	44.1	24.0	9th	49.0	30th	1.2	1.0	1.1	.162	.154	.158	77.3	78.3	77.8
May -	—	43.5	41.4	42.5	37.9	52.4	33.5	11, 13, 26	61.4	17th	1.2	1.0	1.1	.220	.203	.212	89.9	90.0	90.0
June -	—	45.0	41.6	43.3	39.1	57.9	34.5	19, 22	72.5	2nd	0.8	0.9	0.9	.259	.242	.251	90.6	92.3	91.5
July -	—	55.8	53.8	54.8	51.4	61.6	47.0	16th	66.9	5th	0.5	0.4	0.5	.282	.246	.264	93.5	93.1	93.3
August -	—	56.3	53.3	54.8	49.8	63.4	36.4	16th	77.4	10th	1.2	1.1	1.2	.433	.404	.419	96.8	96.9	96.9
September -	—	52.5	46.4	49.5	38.0	61.7	30.5	30th	69.4	15, 20	2.6	2.6	2.6	.426	.384	.405	91.8	92.3	92.1
October -	—	42.5	40.1	41.3	32.9	50.4	28.0	5th, 16th	63.9	28th	2.4	2.5	2.5	.331	.261	.296	83.0	82.1	82.6
November -	—	43.8	41.3	42.6	38.5	52.7	28.0	7th	58.9	18th	0.5	0.5	0.5	.228	.202	.215	82.2	80.0	81.1
December -	—	42.9	39.1	41.0	35.3	—	27.0	31st	—	—	1.4	0.7	1.1	.278	.252	.265	95.9	95.9	95.9
Year -	—	43.9	41.2	42.6	36.9	—	—	—	—	—	1.5	1.4	1.5	.252	.229	.241	88.9	92.8	90.9

BABBACOMBE

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

		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.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
January -	29.909	40.6	40.7	40.7	37.2	45.3	22.9	30th	56.2	23rd	1.3	1.0	1.2	230	239	235	88.7	91.5	90.1			
February -	.685	35.9	35.7	35.8	32.3	41.6	21.6	2nd	55.4	4th	2.0	1.9	2.0	172	171	171	78.2	78.8	78.5			
March -	.307	40.4	38.5	39.5	34.6	44.9	25.4	2nd	52.5	6th	2.3	1.6	2.0	208	205	207	81.0	85.7	83.4			
April -	.579	45.1	42.7	43.9	39.1	50.2	30.9	2nd	61.9	28th	2.7	1.9	2.3	246	236	241	80.5	85.2	82.9			
May -	.735	52.9	48.9	50.9	44.7	57.9	35.5	15th	67.7	13th	3.4	2.2	2.8	317	297	307	79.2	85.0	82.1			
June -	.620	57.3	53.7	55.5	49.7	62.9	43.5	18th	72.8	3rd	2.9	1.6	2.3	389	370	380	83.1	89.1	86.1			
July -	.474	58.5	55.1	56.8	51.8	63.1	44.4	11th	69.6	20th	2.5	1.3	1.9	418	399	409	85.4	91.4	88.4			
August -	.713	59.7	55.7	57.7	52.0	64.3	43.7	19th	75.0	7th	2.9	1.6	2.3	424	399	412	82.8	89.4	86.1			
September	.839	56.6	54.8	55.7	49.8	61.7	39.5	12th	66.6	28th	2.5	1.5	2.0	390	391	391	84.8	90.0	87.4			
October -	.753	50.7	48.0	49.4	43.8	56.0	33.3	5th	62.6	28th	2.3	1.7	2.0	316	301	309	84.6	87.5	86.1			
November	.461	49.2	48.7	49.0	45.1	53.2	36.3	7th	56.9	16th	1.4	1.1	1.3	317	320	319	89.9	92.4	91.2			
December	29.620	45.2	45.1	45.2	40.9	49.9	28.3	31st	56.9	4th	1.3	1.2	1.3	278	279	279	90.4	91.0	90.7			
Year -	29.641	49.3	47.3	48.3	43.4	54.3	—	—	—	—	2.3	1.6	2.0	309	301	305	84.1	88.1	86.1			

MONTHLY SUMMARIES.—ROUSDON—DARTMOOR—BABBACOMBE.

ROUSDON.

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

Heights above Ground:—Barometer, 1 foot. Thermometer, 1 foot.																							
1888.	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 -	7.9	7.7	7.8	ins.	ins.	20th	15	7	0	0	3	18	2	6	10	4	10	4	8	10	9	1	
February -	7.2	7.0	7.1	0.620	.200	13th	8	16	0	0	1	11	5	17	20	0	0	0	1	6	14	0	
March -	8.2	7.5	7.9	4.160	.810	10th	22	11	2	0	2	18	4	14	9	5	1	2	13	9	9	0	
April -	7.8	6.0	6.9	1.710	.380	16th	14	5	1	2	2	12	2	5	16	8	1	1	10	6	12	1	
May -	6.1	4.4	5.3	1.770	.630	17th	11	0	0	0	7	9	3	4	10	6	9	3	10	10	8	2	
June -	8.8	6.5	7.7	3.860	.920	21st	17	0	0	2	0	13	0	5	6	8	5	5	10	7	7	7	
July -	8.7	7.7	8.2	5.250	.810	27th	25	0	0	5	0	17	1	5	2	5	4	5	19	9	11	2	
August -	7.2	6.7	7.0	2.790	.740	20th	18	0	1	3	1	12	1	6	8	0	5	5	22	8	7	1	
September -	5.2	4.9	5.1	1.030	.400	27th	9	0	0	1	9	9	0	10	18	6	4	1	10	3	8	0	
October -	6.7	6.0	6.4	1.680	.650	29th	12	0	0	1	6	13	0	8	7	7	6	6	7	8	11	2	
November -	8.6	8.8	8.7	3.990	2.040	12th	28	1	4	1	0	23	5	2	4	6	7	6	16	15	4	0	
December -	7.1	6.9	7.0	3.080	.500	27th	20	0	0	0	3	15	2	11	5	4	9	9	14	6	4	0	
Year -	7.5	6.7	7.1	36.420	—	—	199	40	8	15	34	170	25	93	115	59	61	47	140	97	104	16	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

FALMOUTH

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

Long. 54° 4' W. Lat. 50° 9' N. Height above Mean Sea Level, 167 feet.																			
1888.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.							
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bull.			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. 30.048	42.2	42.8	42.5	39.6	46.0	27.0	30th	54.9	8th	1.4	1.3	1.4	in.	in.	in.	%	%	%
February	29.862	36.8	37.3	37.1	34.0	41.4	23.9	25th	52.0	4th	2.2	2.0	2.1	1.78	1.84	1.81	81	83	82
March	45.8	40.7	39.8	40.3	36.3	45.2	27.4	2nd	52.4	9th	2.1	1.8	2.0	2.11	2.09	2.10	84	86	85
April	735	45.4	43.6	44.5	40.1	49.2	29.6	9th	56.0	13th	2.6	1.8	2.2	2.46	2.45	2.46	82	86	84
May	875	53.2	49.1	51.2	45.9	56.9	37.9	15th	65.4	23rd	3.5	2.2	2.9	3.13	2.95	3.04	77	84	81
June	753	58.0	54.2	56.1	50.5	61.7	44.3	14th	71.0	23rd	3.2	1.6	2.4	3.88	3.75	3.82	80	89	85
July	618	58.4	55.5	57.0	52.7	62.0	46.9	13th	66.0	1st	3.2	1.8	2.5	3.94	3.90	3.92	80	88	84
August	851	59.6	56.4	58.0	53.1	63.0	49.0	3rd	67.1	9th	3.1	2.0	2.6	4.15	3.96	4.06	81	87	84
September	978	57.2	54.5	55.9	51.2	60.5	43.7	30th	65.6	15th	3.0	1.7	2.4	3.81	3.76	3.79	81	89	85
October	887	51.8	50.0	50.9	46.8	55.2	39.8	5th	62.1	27th	2.8	2.3	2.6	3.13	3.02	3.08	81	84	83
November	589	49.7	49.4	49.6	46.1	53.3	40.1	28th	57.0	15, 16	2.2	1.7	2.0	3.02	3.10	3.06	86	89	88
December	29.741	46.2	46.3	46.3	43.0	49.9	31.6	31st	55.6	4th	1.7	1.8	1.8	2.74	2.72	2.73	89	88	89
Year	29.783	49.9	48.2	49.1	44.9	53.7	—	—	—	—	2.6	1.8	2.2	3.05	3.00	3.03	82.7	86.9	84.8

LONDONDERRY

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

Height above Mean Sea Level, 67 feet.																			
ins.																			
January	30.048	40.7	41.4	41.1	37.1	45.4	26.0	28, 29	54.0	9th	1.2	1.3	1.3	in.	in.	in.	%	%	%
February	30.032	36.8	37.5	37.2	33.7	43.0	22.0	16th	51.0	5th	1.4	1.5	1.5	1.233	1.239	1.236	88.9	89.3	89.1
March	29.562	38.2	37.3	37.8	33.2	44.8	26.0	20th	57.0	9th	1.7	1.2	1.5	1.195	1.199	1.197	86.8	86.1	86.5
April	816	44.8	43.4	44.1	38.3	50.9	30.0	3rd	60.9	14th	3.0	2.0	2.5	1.237	1.241	1.239	84.8	84.8	86.6
May	863	53.9	47.8	50.9	42.7	59.6	35.0	11th	74.3	24th	4.8	2.4	3.6	1.298	1.280	1.289	71.5	83.2	77.4
June	846	58.2	54.1	56.2	48.1	65.4	39.0	5th	85.0	26th	4.8	2.5	3.7	1.355	1.357	1.356	74.0	84.2	79.1
July	652	57.2	53.7	55.5	49.5	63.3	40.0	1st	73.5	19th	3.0	1.6	2.3	1.384	1.371	1.378	81.8	89.1	85.5
August	29.811	57.6	54.4	56.0	49.5	64.6	41.0	1st	71.5	16th	2.8	1.7	2.3	1.396	1.384	1.390	82.9	88.8	85.9
September	30.064	54.1	52.3	53.2	47.6	62.3	40.5	30th	71.0	19th	2.5	1.8	2.2	1.352	1.346	1.349	84.2	87.7	86.0
October	29.889	48.4	47.4	47.9	42.8	54.8	35.3	4th	64.7	27th	1.6	1.4	1.5	1.306	1.299	1.303	89.0	89.7	89.4
November	550	45.4	45.0	45.2	40.6	50.1	30.8	28th	58.5	16th	1.7	1.6	1.7	1.270	1.268	1.269	87.8	88.3	88.1
December	29.692	41.9	42.1	42.0	37.5	46.5	28.0	10, 30	56.6	3rd	1.3	1.5	1.4	1.244	1.241	1.243	89.8	88.8	89.3
Year	29.819	48.1	46.4	47.3	41.7	54.2	—	—	—	—	2.5	1.7	2.1	1.289	1.286	1.288	83.4	87.4	85.4

LISSAN

Long. 6° 45' W. Lat. 54° 41' N. Height above Mean Sea Level, 305 feet.

Station 13 W. Lat. 54° 41' N. Height above Mean Sea Level, 305 feet.																			
	ins.													in.	in.	in.	%	%	%
January -	29.823	39.2	39.6	39.4	34.1	44.1	20.0	3rd	55.0	10th	1.0	1.0	1.0	.220	.223	.222	92	92	92
February -	.785	37.2	36.3	36.8	31.2	41.7	17.0	16th	51.0	5th	2.3	1.6	2.0	.178	.185	.182	81	86	84
March -	.334	38.3	35.9	37.1	31.4	42.9	21.0	17th	54.0	23rd	2.8	1.4	2.1	.179	.186	.183	77	88	83
April -	.586	44.2	42.0	43.1	36.2	50.5	28.0	9th	60.0	15th	2.9	1.7	2.3	.228	.231	.230	78	87	83
May -	.648	52.3	47.7	50.0	41.7	59.0	31.0	9th, 12th	73.0	24th	3.8	2.8	3.3	.296	.266	.281	75	81	78
June -	.621	55.5	53.9	54.7	46.1	62.4	38.0	10, 14	79.0	27th	3.5	2.6	3.1	.344	.343	.344	78	83	81
July -	.432	56.6	53.0	54.8	48.8	62.3	37.0	1st	72.0	20th	3.0	1.7	2.4	.373	.355	.364	81	88	85
August -	.605	56.7	54.1	55.4	47.3	63.1	36.0	1st	68.0	23rd	2.7	1.7	2.2	.381	.370	.376	83	88	86
September	.846	52.9	50.4	51.7	44.0	59.9	37.0	21st	65.0	14, 17, 19	2.2	1.4	1.8	.341	.330	.336	86	90	88
October -	.674	48.0	45.8	46.9	40.8	54.0	32.0	2nd	63.0	28th	1.5	1.4	1.5	.297	.277	.287	90	90	90
November	.345	44.3	43.9	44.1	38.8	48.4	29.0	27, 28	56.0	16th	1.4	1.5	1.5	.260	.254	.257	89	88	89
December	29.494	40.0	40.9	40.5	33.6	46.5	24.0	30th	55.0	4th	0.8	0.9	0.9	.230	.236	.233	94	93	94
Year -	29.599	47.1	45.3	46.2	39.5	52.9	—	—	—	—	2.3	1.6	2.0	.277	.271	.274	83.7	87.8	85.8

MONTHLY SUMMARIES.—FALMOUTH—LONDONDERRY—LISSAN.

FALMOUTH.

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

1888.	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 -	8.0	7.3	7.7	ins. 2.535	ins. 3.85	20th	16	3	1	0	1	16	4	4	5	7	10	7	8	8	8	5	
February -	6.5	6.2	6.4	1.275	4.45	10th	11	7	1	0	3	9	3	27	11	0	0	0	1	11	7	1	
March -	7.7	6.2	7.0	5.497	7.75	24th	22	3	4	0	2	17	5	16	4	2	3	12	7	7	9		
April -	7.4	5.3	6.4	1.730	4.25	16th	18	1	1	0	2	9	2	12	11	4	1	5	7	8	11	1	
May -	5.9	3.9	4.9	1.520	3.25	17th	12	0	1	0	7	5	2	5	3	11	8	7	11	6	2	9	
June -	7.4	6.2	6.8	3.315	9.50	5th	15	0	0	0	2	10	0	6	1	7	8	7	9	10	5	7	
July -	7.9	6.9	7.4	5.925	1.240	15th	25	0	0	2	1	13	2	8	1	2	2	9	11	13	15	1	
August -	7.3	3.9	5.6	3.235	1.140	20th	16	0	0	2	2	8	1	6	2	2	6	11	13	11	5	6	
September -	6.3	3.5	4.9	1.365	5.50	27th	11	0	0	0	7	8	0	11	8	11	3	1	8	2	8	8	
October -	6.8	5.4	6.1	2.645	7.70	28th	18	0	0	0	4	10	1	10	0	6	10	7	5	7	6	11	
November -	7.8	7.0	7.4	7.460	9.25	28th	25	0	4	1	0	16	5	4	2	3	8	10	13	15	3	2	
December -	7.1	5.1	6.1	3.975	5.10	22nd	20	0	0	0	3	9	5	13	2	1	7	17	9	5	6	2	
Year -	7.2	5.6	6.4	40.467	—	—	209	14	12	5	34	130	30	122	50	56	65	84	107	103	83	62	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ARMAGH

Long. 6° 39' W. Lat. 54° 21' N. Height above Mean Sea Level, 196 feet.

1888.	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. 29.936	40.7	40.3	40.5	35.9	46.3	21.5	28th	55.5	9th, 10th	1.0	1.2	1.1	in. 2.39	in. 2.32	in. 2.36	91.2	89.7	90.5		
February	887	37.9	35.9	36.9	31.9	42.6	19.4	16th	52.6	5th	1.7	1.4	1.6	1.98	1.86	1.92	85.2	85.3	85.3		
March	413	38.2	35.7	37.0	31.1	43.6	20.0	26th	53.5	8th	2.0	2.0	2.0	1.95	1.70	1.83	82.3	79.0	80.7		
April	676	45.1	42.0	43.6	36.9	51.4	25.7	3rd	60.1	14th	3.5	2.9	3.2	2.29	2.13	2.21	75.6	78.3	77.0		
May	745	52.8	48.1	50.5	41.3	59.1	32.9	12th	69.5	23rd	4.4	3.4	3.9	2.93	2.63	2.78	73.5	77.4	75.5		
June	705	56.4	53.3	54.9	46.8	62.2	41.0	1, 14, 30	75.6	26th	3.2	2.1	2.7	3.69	3.55	3.62	80.8	86.7	83.8		
July	513	57.0	53.1	55.1	48.9	62.2	38.8	1st	70.4	19th	2.9	1.4	2.2	3.84	3.70	3.77	82.4	90.9	86.7		
August	703	58.9	53.8	56.4	48.3	63.5	37.4	17th	67.2	22nd	3.9	1.6	2.8	3.86	3.73	3.80	77.4	89.3	83.4		
September	937	53.6	49.9	51.8	44.3	59.2	33.1	27th	64.5	14th	2.6	1.4	2.0	3.45	3.28	3.37	83.7	90.3	87.0		
October	771	49.1	45.6	47.4	40.9	54.3	30.1	2nd	64.2	27th	2.2	1.3	1.8	2.99	2.83	2.91	84.8	90.4	87.6		
November	436	45.9	45.1	45.5	40.9	49.8	27.1	28th	55.9	16th	1.8	1.4	1.6	2.73	2.72	2.73	87.1	89.4	88.3		
December	29.582	42.2	41.4	41.8	36.6	46.9	21.8	10th	57.0	3rd	1.0	1.1	1.1	2.54	2.44	2.49	91.4	91.3	91.4		
Year	29.692	48.2	45.4	46.8	40.3	53.4	—	—	—	—	2.5	1.8	2.2	2.89	2.74	2.82	83.0	86.5	84.8		

BROOKEBOROUGH (COLEBROOKE PARK)

Long. 7° 22' W. Lat. 54° 21' N. Height above Mean Sea Level, 271 feet.

1888.	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	29.859	39.5	40.1	39.8	35.2	45.4	16.0	29th	60.4	26th	0.7	0.8	0.8	in. 2.28	in. 2.31	in. 2.30	94.0	93.2	93.6		
February	825	34.9	35.5	35.2	29.8	42.0	8.0	16th	51.5	4th	1.0	0.8	0.9	1.83	1.93	1.88	90.0	92.5	91.3		
March	362	37.0	35.5	36.3	29.8	42.6	18.5	19th	50.9	8th	1.3	0.7	1.0	1.95	1.95	1.95	89.0	93.5	91.3		
April	607	44.1	42.7	43.4	35.7	50.1	23.5	3rd	59.5	14th	2.5	1.7	2.1	2.35	2.37	2.36	80.5	86.4	83.5		
May	667	51.7	48.2	50.0	40.0	59.0	29.0	9th	73.4	25th	3.6	2.5	3.1	2.93	2.76	2.85	76.8	82.6	79.7		
June	631	55.8	52.9	54.4	47.3	62.2	36.5	14th	77.5	26th	3.2	1.8	2.5	3.58	3.51	3.55	80.2	87.7	84.0		
July	449	56.0	53.0	54.5	48.3	61.9	34.5	7th	68.7	13th	2.8	1.3	2.1	3.70	3.66	3.68	82.0	91.0	86.5		
August	626	57.5	54.2	55.9	47.0	63.3	36.1	1st	67.8	16th	3.1	1.5	2.3	3.83	3.78	3.81	80.5	89.8	85.2		
September	868	52.6	49.7	51.2	44.3	59.4	34.3	9th	68.8	14th	1.8	1.2	1.5	3.48	3.26	3.37	87.8	92.1	90.0		
October	699	48.5	44.1	46.3	39.6	54.1	28.3	14th	62.5	27th	1.6	0.8	1.2	3.02	2.71	2.87	88.5	93.3	90.9		
November	357	44.4	44.3	44.4	39.4	49.0	24.0	28th	56.5	16th	1.1	1.1	1.1	2.67	2.66	2.67	91.2	91.6	91.4		
December	29.502	39.8	39.5	39.7	33.5	45.7	19.5	30th	54.7	3rd	0.7	0.5	0.6	2.30	2.32	2.31	94.6	96.0	95.3		
Year	29.621	46.8	45.0	45.9	39.2	52.9	—	—	—	—	2.0	1.2	1.6	2.83	2.77	2.80	86.3	90.8	88.6		

MARKREE CASTLE (SLIGO)

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

1888.	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	29.992	39.8	40.8	40.3	35.6	45.2	17.1	29th	54.2	8th	0.8	1.1	1.0	in. 2.35	in. 2.38	in. 2.37	93.0	91.5	92.3		
February	983	36.8	37.0	36.9	31.4	42.3	15.1	16th	51.1	5th	1.3	1.2	1.3	1.97	2.00	1.99	87.0	88.5	87.8		
March	494	38.7	36.6	37.7	30.9	44.2	18.6	20th	54.0	10th	1.9	1.0	1.5	2.02	2.00	2.01	83.5	90.1	86.8		
April	754	45.7	43.1	44.4	37.2	50.6	24.2	3rd	59.2	14th	3.0	1.6	2.3	2.45	2.47	2.46	79.2	88.0	83.6		
May	801	52.8	48.0	50.4	40.7	57.3	28.1	9th	72.8	24th	3.8	2.1	3.0	3.09	2.88	2.99	76.5	85.3	80.9		
June	760	57.2	53.4	55.3	47.3	62.6	35.1	14th	74.7	23rd	3.7	2.2	3.0	3.69	3.55	3.62	78.9	86.1	82.5		
July	585	57.5	53.2	55.4	48.7	61.3	34.1	7th	67.3	22nd	3.4	1.7	2.6	3.75	3.63	3.69	79.2	88.7	84.0		
August	753	58.5	53.7	56.1	48.1	63.1	36.1	2nd	67.1	16, 20	3.2	1.5	2.4	3.98	3.73	3.86	80.7	89.9	85.3		
September	999	54.3	50.9	52.6	45.3	59.4	37.0	19th	67.2	14th	2.5	1.4	2.0	3.56	3.40	3.48	84.0	90.5	87.3		
October	837	49.1	46.0	47.6	40.5	54.6	27.6	14th	62.0	27th	1.6	1.2	1.4	3.14	2.90	3.02	89.0	91.4	90.2		
November	489	45.2	45.2	45.2	41.1	49.8	23.2	28th	55.1	24th	1.4	1.5	1.5	2.76	2.71	2.74	90.1	88.8	89.5		
December	29.625	40.8	40.8	40.8	34.9	46.3	22.9	30th	55.7	3rd	0.6	0.9	0.8	2.52	2.43	2.48	95.2	93.4	94.3		
Year	29.756	48.0	45.7	46.9	40.1	53.1	—	—	—	—	2.3	1.5	1.9	2.94	2.84	2.89	84.7	89.4	87.1		

MONTHLY SUMMARIES.—ARMAGH—BROOKEBOROUGH—MARKREE CASTLE.

— ARMAGH.

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

1888.	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 -	8.8	6.9	7.9	ins. 1.765	ins. 1.520	3rd	11	1	0	0	2	20	1	4	8	5	3	18	17	5	2	0		
February -	7.6	8.8	8.2	0.290	1.101	2nd	7	4	0	0	1	19	0	11	17	2	0	1	14	9	3	1		
March -	8.6	8.0	8.3	3.025	1.955	11th	17	5	0	0	0	21	0	10	13	9	3	3	10	4	5	5		
April -	8.8	8.2	8.5	1.357	1.252	18th	17	0	0	0	1	23	0	9	16	1	2	6	10	8	5	3		
May -	6.9	6.1	6.5	2.365	1.815	29th	14	0	0	0	5	15	0	2	13	5	8	7	17	6	4	0		
June -	7.5	7.4	7.5	4.849	2.230	27th	14	0	0	0	3	16	0	6	12	13	7	5	8	4	4	1		
July -	8.5	9.1	8.8	4.478	1.825	27th	22	0	0	3	0	24	0	7	9	4	7	12	9	6	3	5		
August -	8.1	7.1	7.6	2.350	1.580	26th	20	0	0	0	1	15	0	1	2	0	4	12	15	3	2	23		
September -	7.8	6.6	7.2	1.123	1.250	6th	12	0	0	0	3	17	0	7	3	11	9	5	15	5	5	0		
October -	8.7	7.2	8.0	1.214	1.332	2nd	17	0	0	0	0	17	0	5	2	3	4	14	14	7	11	2		
November -	9.0	8.5	8.8	4.211	1.585	10th	23	0	0	0	0	24	1	1	5	14	7	7	20	6	0	0		
December -	7.9	6.6	7.3	2.570	1.462	2nd	18	0	0	0	3	18	0	2	3	1	6	24	20	4	2	0		
Year -	8.2	7.5	7.9	29.601	—	—	192	10	0	3	19	229	2	65	103	68	60	114	169	67	46	40		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

EDGEWORTHSTOWN

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

1888.	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° 847	39° 9	40° 2	40° 1	34° 6	44° 4	20° 0	29th	54° 2	9th	0° 9	0° 8	0° 9	in. ° 235	in. ° 240	in. ° 238	% 92° 5	% 94° 0	% 93° 3	
February -	° 809	36° 0	35° 5	35° 8	31° 3	41° 9	19° 2	16th	49° 9	8th	0° 7	0° 7	0° 7	° 203	° 199	° 201	93° 5	93° 6	93° 6	
March -	° 328	37° 7	35° 8	36° 8	30° 4	43° 9	21° 5	5th	54° 0	22nd	1° 2	0° 8	1° 0	° 207	° 196	° 202	89° 7	90° 6	90° 2	
April -	° 596	45° 8	42° 8	44° 3	36° 3	51° 4	25° 2	9th	60° 5	14th	2° 6	1° 6	2° 1	° 254	° 246	° 250	81° 4	88° 2	84° 8	
May -	° 655	52° 7	47° 9	50° 3	40° 9	59° 2	31° 2	4th	72° 0	25th	3° 2	1° 6	2° 4	° 321	° 299	° 310	80° 2	88° 8	84° 5	
June -	° 608	56° 0	53° 8	54° 9	47° 2	62° 8	38° 0	14th	75° 9	25th	2° 2	1° 4	1° 8	° 390	° 380	° 385	86° 1	90° 8	88° 5	
July -	° 427	57° 0	53° 7	55° 4	48° 3	62° 5	38° 9	1st	68° 5	21st	2° 6	1° 0	1° 8	° 391	° 387	° 389	83° 7	92° 7	88° 2	
August -	° 617	57° 9	54° 3	56° 1	47° 7	63° 7	37° 0	18th	68° 6	20th	2° 6	1° 4	2° 0	° 404	° 383	° 394	83° 5	90° 2	86° 9	
September -	° 842	53° 8	51° 2	52° 5	44° 8	59° 2	37° 2	30th	67° 0	14th	2° 0	1° 5	1° 8	° 362	° 343	° 353	87° 0	90° 4	88° 7	
October -	° 688	48° 1	45° 4	46° 8	39° 7	54° 0	29° 0	2nd	64° 0	27th	1° 3	1° 0	1° 2	° 310	° 290	° 300	91° 3	92° 9	92° 1	
November -	° 348	45° 0	44° 4	44° 7	39° 5	49° 6	23° 2	28th	58° 0	16th	1° 4	1° 2	1° 2	° 279	° 271	° 275	91° 6	91° 2	91° 4	
December -	29° 488	40° 7	40° 4	40° 6	34° 3	46° 1	20° 5	30th	56° 0	3rd	0° 7	0° 8	0° 8	° 250	° 242	° 246	95° 1	93° 9	94° 5	
Year -	29° 604	47° 6	45° 5	46° 6	39° 6	53° 2	—	—	—	—	1° 8	1° 2	1° 5	° 301	° 290	° 296	88° 0	91° 4	89° 7	

GLASNEVIN (BOTANIC GARDENS)

Long. 6° 16' W. Lat. 52° 23' N. Height above Mean Sea Level, 54 feet.

	ins.													in.	in.	in.	%	%	%
January -	30.127	40.7	40.8	40.8	35.7	46.0	21.0	29th	60.2	9th	1.2	1.2	1.2	235	236	236	90.5	90.3	90.4
February -	30.050	37.6	37.3	37.5	33.0	42.5	20.0	14th	50.4	3rd	1.1	1.1	1.1	207	205	206	89.9	89.8	89.9
March -	29.579	39.0	37.7	38.4	32.6	45.1	24.6	17th	59.2	8th	1.4	1.2	1.3	213	207	210	87.3	89.6	88.5
April -	84.8	45.6	43.1	44.4	38.0	50.8	25.0	9th	60.2	16th	2.5	1.5	2.0	253	249	251	81.7	87.9	84.8
May -	93.0	53.7	48.1	50.9	41.9	58.9	32.0	4th	68.9	7th	3.3	2.0	2.7	330	293	312	79.1	86.3	82.7
June -	86.8	56.4	54.2	55.3	48.1	61.7	37.4	14th	74.3	26th	2.9	1.4	2.2	376	382	379	82.1	90.4	86.3
July -	68.1	57.9	54.5	56.2	49.8	62.9	41.0	1st, 11th	70.5	13th	2.6	1.2	1.9	405	393	399	84.0	92.2	88.1
August -	29.887	59.5	55.0	57.3	49.6	65.0	36.4	18th	71.7	7th, 12th	3.4	1.4	2.4	406	396	401	79.3	90.7	85.0
September	30.110	55.9	50.6	53.3	45.6	60.7	35.4	13th	66.6	5th	2.6	1.0	1.8	376	346	361	83.5	92.8	88.2
October -	29.961	50.0	45.9	48.0	40.6	55.7	29.0	2nd	65.2	27th	2.1	1.0	1.6	316	296	306	86.0	93.0	89.5
November	62.4	47.6	46.7	47.2	42.4	51.1	28.0	28th	58.2	15, 16	1.5	1.2	1.4	300	296	298	89.1	91.7	90.4
December	29.777	41.6	42.2	41.9	35.6	47.7	23.0	30, 31	58.2	3rd	0.8	0.9	0.9	257	258	258	94.0	93.1	93.6
Year -	29.870	48.8	46.3	47.6	41.1	54.0	—	—	—	—	2.1	1.3	1.7	306	296	301	85.5	90.7	88.1

DUBLIN (PHENIX PARK)

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

	ins.												in.	in.	in.	%	%	%	
January -	30.009	39.9	40.4	40.2	35.3	46.3	20.2	29th	61.7	9th	1.3	1.4	1.4	.225	.227	.226	88.9	88.6	88.8
February -	29.934	36.9	36.7	36.8	32.3	41.6	18.2	16th	50.7	3rd	1.3	1.6	1.5	.197	.190	.194	87.8	84.9	86.4
March -	.462	38.1	37.3	37.7	32.2	44.6	22.7	17th	57.2	8th	1.7	1.6	1.7	.198	.193	.196	84.4	84.7	84.6
April -	.735	45.1	42.8	44.0	37.4	50.4	23.9	9th	61.8	14th	2.8	2.0	2.4	.244	.237	.241	80.7	84.4	82.6
May -	.818	53.0	47.4	50.2	41.0	58.1	32.0	11th	67.5	7th	4.5	2.4	3.5	.293	.274	.284	72.3	83.1	77.7
June -	.752	56.1	53.4	54.8	47.0	61.3	36.0	14th	73.2	26th	3.6	2.2	2.9	.356	.351	.354	78.9	85.6	82.3
July -	.566	57.7	53.7	55.7	48.9	62.4	39.0	1st	68.7	2nd	3.4	1.8	2.6	.381	.367	.374	79.9	88.3	84.1
August -	.773	59.0	54.3	56.7	48.7	64.0	34.9	18th	70.5	7th	3.7	1.7	2.7	.392	.380	.386	78.4	88.8	83.6
September	.995	55.0	49.8	52.4	44.8	60.4	34.8	13th	65.8	14th	2.6	1.3	2.0	.365	.328	.347	83.8	90.8	87.3
October -	.845	49.2	45.9	47.6	40.5	55.3	30.0	2nd	64.2	27th	2.1	1.6	1.9	.305	.281	.293	85.6	88.7	87.2
November	.506	47.3	46.3	46.8	41.7	51.2	25.3	28th	59.6	16th	2.2	2.0	2.1	.282	.272	.277	84.8	85.8	85.3
December	29.663	41.4	41.5	41.5	35.3	48.2	21.6	30th	58.0	5th	1.4	1.5	1.5	.241	.237	.239	89.2	87.8	88.5
Year -	29.755	48.2	45.8	47.0	40.4	53.7	—	—	—	—	2.6	1.8	2.2	.290	.278	.284	82.9	86.8	84.9

MONTHLY SUMMARIES.—EDGEWORTHSTOWN—GLASNEVIN—DUBLIN.

EDGEWORTHSTOWN.

Heights above Ground:—Barometer, —1 foot. Thermometers, 3 feet 6 inches. Rain-gauge, 1 foot.

1888.	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 -	7.4	7.0	7.2	ins. 2.410	ins. 7.00	4th	12	3	0	0	1	15	5	2	2	15	5	16	3	16	2	1		
February -	7.2	6.0	6.6	0.800	.290	2nd	11	5	4	0	4	13	0	15	0	14	0	0	2	25	2	0		
March -	6.7	5.8	6.3	3.800	.630	11th	15	7	4	0	2	11	1	12	3	14	0	7	3	18	1	4		
April -	7.0	5.6	6.3	2.460	.430	19th	17	0	2	0	3	10	0	11	5	10	0	9	2	16	6	1		
May -	6.1	4.5	5.3	2.720	.720	29th	16	0	3	1	7	8	1	3	1	15	1	14	1	23	2	2		
June -	6.6	6.4	6.5	5.010	1.300	11th	14	0	1	2	3	11	0	6	12	12	9	2	5	8	3	3		
July -	7.5	7.6	7.6	4.990	1.580	27th	22	0	0	6	0	13	1	8	5	2	10	3	6	13	9	6		
August -	7.1	5.3	6.2	3.890	.800	20th	20	0	1	3	2	7	1	2	2	3	13	4	10	18	3	7		
September -	7.1	6.0	6.6	1.390	.430	6th	9	0	1	0	3	11	0	7	9	13	5	2	8	13	3	0		
October -	7.1	4.7	5.9	1.750	.270	27th	19	0	2	0	3	9	1	5	3	5	9	4	8	17	6	5		
November -	7.8	6.4	7.1	3.470	.650	10th	25	2	2	0	1	13	4	2	5	12	12	0	13	12	1	3		
December -	7.4	5.1	6.3	4.270	.700	2nd	20	0	0	0	2	10	0	1	2	2	20	5	8	8	4	12		
Year -	7.1	5.9	6.5	36.960	—	—	200	17	20	12	31	131	14	74	49	117	84	66	69	187	42	44		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

DUBLIN (City)

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

1888.	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.												in.	in.	in.	%	%	%	%	%	%
January	30.124	41.1	41.8	41.5	37.9	46.3	25.9	29th	58.8	9th	1.6	1.7	1.7	230	231	231	87.1	86.2	86.7			
February	30.051	37.8	38.2	38.0	34.8	42.3	24.8	14th	51.4	3rd	1.8	1.9	1.9	193	195	194	82.7	82.8	82.8			
March	29.579	38.6	39.1	38.9	34.6	45.0	26.9	17th	58.6	8th	2.0	2.1	2.1	197	200	199	83.0	82.7	82.9			
April	29.853	45.6	44.8	45.2	40.4	51.0	28.8	9th	60.6	14th	2.9	2.6	2.8	244	242	243	79.5	81.0	80.3			
May	29.934	54.3	50.5	52.4	45.3	59.6	36.9	4th	68.7	7th	4.9	3.5	4.2	300	285	293	70.9	77.1	74.0			
June	29.870	56.4	55.7	56.1	50.4	61.9	43.2	14th	72.4	26th	3.5	2.8	3.2	359	366	363	79.0	82.3	80.7			
July	29.683	57.6	55.6	56.6	51.9	62.7	42.9	11th	68.7	21st	2.8	2.2	2.5	394	382	388	83.3	86.4	84.9			
August	29.892	58.6	56.5	57.6	52.0	64.3	42.0	18th	71.4	7th	3.1	2.1	2.6	399	396	398	80.8	86.4	83.6			
September	30.113	54.5	52.9	53.7	48.7	60.1	39.2	30th	65.5	5th	2.2	1.8	2.0	366	353	360	86.1	87.8	87.0			
October	29.964	48.6	47.8	48.2	43.4	54.8	32.9	2nd	66.6	27th	1.9	1.8	1.9	301	295	298	87.1	87.7	87.4			
November	29.625	47.7	47.1	47.4	43.8	51.2	30.8	28th	59.5	16th	1.9	1.7	1.8	290	283	288	86.9	87.6	87.3			
December	29.781	42.9	43.6	43.3	38.9	48.2	26.4	30th	59.6	3rd	1.4	1.6	1.5	252	252	252	88.7	87.5	88.1			
Year	29.872	48.6	47.8	48.2	43.5	54.0	—	—	—	—	2.5	2.2	2.4	294	290	292	82.9	84.6	83.8			

PARSONSTOWN (BIRCH CASTLE)

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

1888.	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.					
		ins.												in.	in.	in.	%	%	%			
January	29.987	40.1	40.8	40.5	35.9	46.0	17.2	29th	54.7	9th	1.2	1.3	1.3	230	233	232	89.5	89.1	89.3			
February	29.947	35.9	35.6	35.8	31.5	42.0	19.3	16th	50.5	4th	1.1	1.3	1.2	191	187	189	87.9	87.1	87.5			
March	29.456	37.6	36.9	37.3	30.8	45.3	20.8	20th	56.2	8th	1.7	1.2	1.5	196	198	197	84.9	88.4	86.7			
April	29.731	45.4	43.1	44.3	36.2	51.0	21.7	9th	61.9	14th	3.0	2.0	2.5	242	238	240	78.8	84.6	81.7			
May	29.795	53.7	49.3	51.5	41.9	60.1	33.2	4th	71.6	24th	4.5	2.7	3.6	302	289	296	72.8	81.5	77.2			
June	29.726	57.1	54.8	56.0	48.3	63.8	37.7	14th	76.1	25th	3.6	2.6	3.1	369	360	365	79.1	83.4	81.3			
July	29.558	57.9	54.6	56.3	48.5	63.3	38.7	11th	70.5	19th	3.8	2.2	3.0	373	367	370	77.6	85.6	81.6			
August	29.755	58.8	55.5	57.2	49.2	64.2	36.7	18th	70.3	20th	3.7	2.1	2.9	387	383	385	78.2	86.5	82.4			
September	29.984	53.8	50.8	52.3	44.9	60.5	36.4	17th	68.7	14th	2.5	1.5	2.0	349	334	342	83.9	89.5	86.7			
October	29.830	48.7	46.1	47.4	40.6	55.6	25.8	2nd	63.5	27th	2.2	1.5	1.9	298	285	292	85.3	89.1	87.2			
November	29.483	46.0	45.5	45.8	40.7	50.6	25.2	28th	56.5	25th	1.6	1.7	1.7	279	270	275	87.9	87.6	87.8			
December	29.618	41.0	40.4	40.7	35.1	46.7	21.1	30th	57.5	3rd	0.9	1.0	1.0	248	237	243	92.3	91.8	92.1			
Year	29.739	48.0	46.1	47.1	40.3	54.1	—	—	—	—	2.5	1.8	2.2	289	282	286	83.2	87.0	85.1			

KILLARNEY

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

1888.	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.					
		ins.												in.	in.	in.	%	%	%			
January	30.072	43.0	43.3	43.2	39.2	48.3	23.0	29th	57.8	9th	1.3	1.2	1.3	256	259	258	90.3	90.5	90.4			
February	30.061	37.4	36.3	36.9	31.3	43.6	16.9	27th	53.0	4th	0.9	0.9	0.9	210	202	206	90.8	91.0	91.4			
March	29.552	39.9	38.3	39.1	32.4	46.7	21.6	20th	54.2	9th	1.3	0.9	1.1	224	217	221	88.8	92.0	90.4			
April	29.827	45.9	44.4	45.2	38.5	51.1	24.8	2nd	58.0	14th	2.1	1.4	1.8	265	264	265	85.0	89.2	87.1			
May	29.888	54.1	50.1	52.1	43.8	59.9	35.0	12, 13	72.0	24th	3.0	1.7	2.4	342	321	332	82.2	88.9	85.6			
June	29.804	58.4	55.4	56.9	49.2	64.6	39.8	10th	72.1	18, 23, 25	3.3	1.6	2.5	393	393	393	80.5	89.3	84.9			
July	29.646	58.0	55.1	56.6	48.6	62.8	36.0	11th	69.5	28th	3.0	1.5	2.3	394	393	394	81.9	90.1	86.0			
August	29.852	59.6	56.5	58.1	50.2	65.1	38.0	2nd	73.5	17th	3.4	2.0	2.7	410	401	406	80.0	87.4	83.7			
September	30.062	54.7	52.0	53.4	45.7	61.5	35.0	30th	68.0	21st	2.0	1.0	1.5	376	366	371	87.6	93.6	90.6			
October	29.929	51.4	48.9	50.2	43.3	56.5	27.0	2nd	62.5	26th	1.9	1.5	1.7	336	316	326	87.2	89.5	88.4			
November	29.577	48.3	47.8	48.1	42.7	52.6	30.1	26, 30	59.0	16th	1.8	1.7	1.8	299	296	298	87.3	88.3	87.8			
December	29.711	44.1	43.6	43.9	36.7	50.1	24.0	30th	57.0	3rd	1.4	1.2	1.3	269	266	268	90.1	91.4	90.8			
Year	29.832	49.6	47.6	48.6	41.8	55.2	—	—	—	—	2.1	1.4	1.8	315	308	312	86.0	90.2	88.1			

MONTHLY SUMMARIES.—DUBLIN—PARSONSTOWN—KILLARNEY.

DUBLIN (City).

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

1888.		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	5.5	6.3	ins. 1.247	ins. .350	3rd	9	3	2	0	3	11	4	1	3	8	3	7	10	14	6	10		
February	-	7.7	6.9	7.3	1.097	.273	25th	14	11	9	0	1	15	1	5	17	5	0	0	1	21	8	1		
March	-	7.5	6.2	6.9	3.753	1.012	11th	18	10	11	0	1	13	5	9	10	7	4	2	7	13	7	3		
April	-	7.3	6.8	7.1	1.993	.343	30th	17	2	5	0	1	12	1	6	13	5	1	3	9	14	6	3		
May	-	5.4	3.3	4.4	0.978	.251	29th	11	0	2	1	7	6	5	2	10	7	7	5	6	15	8	2		
June	-	7.0	6.2	6.6	3.045	.951	27th	18	0	0	3	4	12	0	6	14	11	6	7	6	5	5	0		
July	-	7.6	7.3	7.5	3.881	.509	27th	22	0	1	2	0	10	1	6	8	9	4	5	5	12	8	5		
August	-	6.7	4.1	5.4	1.270	.231	21st	12	0	1	1	3	3	0	2	4	7	3	11	11	14	9	1		
September	-	6.6	5.5	6.1	0.728	.232	6th	10	0	1	0	3	7	0	9	6	8	5	2	4	11	9	6		
October	-	6.2	5.2	5.7	1.227	.331	27th	16	0	2	0	6	7	3	3	1	2	2	8	11	16	12	7		
November	-	7.0	6.5	6.8	6.549	1.519	28th	26	2	4	2	1	12	11	1	4	12	8	5	8	19	2	1		
December	-	7.0	4.7	5.9	2.911	.680	19th	17	0	1	0	4	8	4	1	1	1	8	13	12	15	6	5		
Year	-	6.9	5.7	6.3	28.679	—	—	190	28	39	9	34	116	35	51	91	82	51	68	90	169	86	44		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

VALENCIA

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

1888.	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.		Day.	9 a.m.		9 p.m.	9 a.m.		9 p.m.	9 a.m.		9 p.m.	Mean.
					Min.	Max.	Min.	Max.											
January	ins. 30.152	44.5	44.6	44.6	41.4	48.0	30.0	16th	53.4	4th	1.4	1.4	1.4	in. .266	in. .268	in. .267	88.9	88.9	88.9
February	30.150	39.8	39.9	39.9	37.1	44.2	26.8	27th	50.3	3rd	1.7	2.0	1.9	.216	.212	.214	85.4	83.9	84.7
March	29.646	41.0	41.1	41.1	36.6	46.5	30.0	19th	52.0	8th, 10th	2.1	1.8	2.0	.219	.224	.222	83.7	85.5	84.6
April	.929	46.1	46.0	46.1	42.0	50.4	34.4	5th	54.2	14th	2.2	2.1	2.2	.265	.267	.266	83.8	85.3	84.6
May	.978	53.0	51.0	52.0	46.7	57.9	40.2	2nd	69.0	24th	3.3	2.5	2.9	.320	.314	.317	79.5	83.5	81.5
June	.887	57.9	56.0	57.0	52.2	62.7	46.4	14th	73.2	24th	3.4	2.2	2.8	.383	.388	.386	79.7	86.2	83.0
July	.756	57.8	56.4	57.1	53.0	62.1	48.4	11th	67.0	14th	3.1	2.4	2.8	.389	.388	.389	81.2	85.1	83.2
August	29.941	59.0	57.6	58.3	53.8	63.9	46.0	2nd	70.4	10th	2.9	2.2	2.6	.416	.414	.415	82.9	87.0	85.0
September	30.146	55.5	54.0	54.8	50.0	61.1	43.7	21st	65.0	13th	2.6	1.9	2.3	.370	.367	.369	83.9	87.5	85.7
October	30.006	52.0	51.7	51.9	47.9	56.3	38.8	2, 14	61.4	27th	2.0	2.4	2.2	.338	.330	.334	86.0	84.8	85.4
November	29.655	49.3	49.3	49.3	46.0	52.4	37.4	28th	57.2	16th	2.0	2.2	2.1	.306	.301	.304	86.5	85.2	85.9
December	29.789	46.5	46.7	46.6	42.8	50.4	32.1	30th	55.7	3rd	1.4	1.6	1.5	.289	.286	.288	89.6	88.2	88.9
Year	29.920	50.2	49.5	49.9	45.8	54.7	—	—	—	—	2.3	2.1	2.2	.315	.313	.314	84.3	85.9	85.1

MONTHLY SUMMARIES.—VALENCIA.

VALENCIA.

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

1888.		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	7.9	7.8	ins. 4.295	ins. 1.475	3rd	20	0	1	0	0	15	9	4	0	13	13	10	4	8	3	7	
February	-	7.9	6.7	7.3	1.835	.375	15th	18	5	4	0	1	13	3	8	21	1	2	1	3	7	10	5	
March	-	6.9	6.0	6.5	4.675	1.055	27th	22	3	5	1	1	10	7	11	12	3	3	6	4	6	8	9	
April	-	7.0	6.9	7.0	2.960	.650	30th	18	0	1	0	3	14	6	13	15	0	2	5	6	10	6	3	
May	-	6.0	6.0	6.0	3.720	.935	29th	16	0	2	0	5	11	7	6	3	2	9	8	11	10	2	11	
June	-	7.1	7.9	7.5	3.530	1.365	11th	18	0	0	1	1	14	2	8	6	2	10	6	6	5	5	12	
July	-	8.1	8.2	8.2	4.270	.680	8th	23	0	0	0	0	18	4	13	3	3	6	5	9	8	7	8	
August	-	7.1	6.6	6.9	5.060	.875	19th	23	0	0	1	3	12	5	3	1	0	9	12	9	9	9	10	
September	-	6.5	5.3	5.9	1.795	.685	14th	14	0	0	0	5	14	2	3	4	7	5	0	4	6	5	26	
October	-	7.8	6.8	7.3	3.030	.430	2nd	22	0	1	0	1	17	6	8	4	2	11	12	1	6	7	11	
November	-	8.6	7.6	8.1	3.608	.520	9th	27	0	2	0	0	15	14	3	8	6	8	4	10	15	4	2	
December	-	7.8	6.9	7.4	9.060	1.025	6th	23	0	0	0	0	15	17	4	2	2	13	15	5	4	7	10	
Year	-	7.4	6.9	7.2	47.838	—	—	244	8	16	3	20	168	82	84	79	41	91	84	72	94	73	114	

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

1888

Stations.				Mean Pressure at 32° Fahrenheit.	Air Temperature.						Humidity.									
Name.	Height above Mean Sea Level.	Long.	Lat.		Means of			Absolute Min. and Max.			Depression of Wet Bulb.			Tension of Vapour.						
					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.	
Swanbister -	68	3 8 W.	58 56 N.	29° 7' 6"	44° 7'	43° 2'	44° 0'	38° 9'	48° 0'	Feb. 15th	69° 0'	July 19th	2° 0'	1° 6'	1° 8'	in. 2° 58'	in. 2° 55'	% 84° 8'	% 87° 1'	% 86° 0'
Lairg -	458	4 22 W.	58 1 N.	29° 36'	43° 5'	41° 8'	42° 7'	36° 3'	50° 2'	Feb. 16th	77° 0'	July 19th	2° 1'	1° 3'	1° 7'	2° 44'	2° 42'	84° 8'	89° 4'	87° 1'
Dunrobin Castle -	12	3 56 W.	57 59 N.	29° 8' 1"	45° 8'	44° 6'	45° 2'	39° 9'	50° 5'	Feb. 16th	68° 1'	June 26th	2° 7'	2° 2'	2° 5'	2° 58'	2° 54'	82° 6'	83° 7'	89° 4'
Gordon Castle -	101	3 5 W.	57 37 N.	29° 7' 6"	46° 0'	44° 2'	45° 1'	39° 1'	52° 6'	Feb. 15th	80° 2'	June 26th	3° 3'	2° 5'	2° 9'	2° 45'	2° 41'	77° 3'	81° 4'	79° 7'
Glencarron -	489	5 14 W.	57 30 N.	29° 339'	44° 6'	43° 6'	44° 1'	38° 0'	50° 3'	Feb. 11th	82° 0'	June 26th	2° 6'	2° 3'	2° 5'	2° 42'	2° 39'	80° 8'	82° 8'	81° 4'
Aberdeen -	46	2 6 W.	57 10 N.	29° 796'	45° 0'	44° 0'	44° 5'	39° 7'	49° 4'	Feb. 16th	70° 3'	July 20th	2° 8'	2° 2'	2° 5'	2° 44'	2° 44'	79° 8'	83° 3'	81° 6'
Port Augustus -	68	4 40 W.	57 8 N.	29° 805'	45° 2'	45° 4'	45° 3'	38° 9'	51° 4'	Feb. 16th	80° 7'	June 26th	2° 2'	2° 2'	2° 2'	2° 57'	2° 59'	84° 1'	84° 1'	84° 1'
Braemar -	1,111	3 24 W.	57 0 N.	28° 649'	42° 3'	41° 5'	41° 9'	36° 0'	49° 3'	Mar. 17th	76° 7'	June 25th	2° 5'	2° 0'	2° 3'	2° 28'	2° 29'	81° 4'	83° 7'	82° 6'
Port William -	33	5 7 W.	56 49 N.	29° 849'	46° 1'	45° 6'	45° 9'	40° 1'	53° 1'	Feb. 16th	85° 8'	June 25th	2° 6'	2° 4'	2° 5'	2° 60'	2° 58'	81° 8'	83° 0'	82° 4'
Lednathie -	719	3 7 W.	56 43 N.	29° 097'	43° 6'	41° 0'	42° 8'	36° 2'	50° 0'	Mar. 17th	76° 0'	June 26th	2° 8'	2° 0'	2° 4'	2° 31'	2° 28'	83° 0'	85° 4'	81° 2'
Laudale -	14	5 41 W.	56 41 N.	29° 858'	47° 6'	46° 6'	47° 1'	41° 6'	52° 7'	Feb. 16th	80° 2'	June 26th	2° 7'	2° 3'	2° 5'	2° 27'	2° 27'	81° 5'	83° 8'	82° 7'
Dundee -	160	2 56 W.	56 28 N.	29° 713'	45° 8'	43° 4'	44° 7'	39° 4'	51° 4'	Feb. 16th	75° 0'	June 26th	2° 4'	1° 5'	2° 0'	2° 65'	2° 59'	82° 9'	87° 9'	85° 4'
Ochertyre -	329	3 53 W.	56 23 N.	29° 533'	45° 9'	44° 9'	45° 4'	38° 6'	53° 9'	Mar. 17th	77° 5'	June 18th	2° 8'	3° 0'	2° 9'	2° 56'	2° 49'	80° 4'	80° 9'	79° 7'
Callton Mor -	132	3 30 W.	56 8 N.	29° 750'	47° 2'	44° 9'	46° 1'	40° 4'	52° 8'	Feb. 16th	80° 7'	June 26th	2° 8'	1° 8'	2° 3'	2° 68'	2° 62'	80° 6'	86° 2'	83° 9'
Glasgow -	180	4 18 W.	55 53 N.	29° 698'	46° 0'	44° 9'	45° 5'	40° 9'	51° 9'	Feb. 16th	74° 8'	June 26th	2° 7'	2° 0'	2° 4'	2° 61'	2° 62'	80° 9'	84° 8'	83° 9'
Roswell -	686	3 7 W.	55 51 N.	29° 147'	44° 2'	42° 6'	43° 4'	37° 3'	50° 6'	Feb. 17th	74° 0'	May 19th	1° 9'	1° 7'	1° 8'	2° 54'	2° 42'	85° 3'	87° 0'	86° 2'
Rothsay -	115	5 4 W.	55 50 N.	29° 786'	47° 1'	44° 9'	46° 0'	40° 8'	53° 3'	Feb. 16th	78° 3'	June 26th	2° 3'	1° 7'	2° 0'	2° 58'	2° 50'	86° 5'	87° 0'	85° 3'
Marchmont -	488	2 25 W.	55 44 N.	29° 362'	44° 5'	41° 5'	43° 0'	38° 4'	50° 6'	Jan. 19th	75° 0'	June 26th	2° 3'	1° 1'	1° 7'	2° 49'	2° 44'	83° 1'	85° 3'	83° 3'
Wolfelee -	587	2 39 W.	55 23 N.	29° 254'	44° 4'	42° 3'	43° 4'	35° 6'	51° 8'	Jan. 29th	82° 0'	June 27th	2° 1'	1° 5'	1° 8'	2° 57'	2° 47'	84° 2'	87° 1'	85° 7'
Pinnore -	187	4 49 W.	55 12 N.	29° 701'	46° 7'	44° 0'	45° 4'	38° 6'	53° 5'	Feb. 16th	84° 9'	June 26th	2° 4'	1° 6'	2° 0'	2° 28'	2° 24'	83° 2'	86° 9'	84° 1'
Glenlee -	203	4 12 W.	55 5 N.	29° 677'	46° 4'	44° 0'	45° 2'	38° 1'	51° 9'	Feb. 12th	81° 4'	June 26th	2° 6'	1° 7'	2° 2'	2° 63'	2° 56'	86° 6'	88° 6'	85° 1'
Cramlington -	255	1 35 W.	55 5 N.	—	45° 7'	43° 6'	44° 7'	38° 4'	51° 0'	Jan. 30th	72° 0'	Aug. 7th	2° 4'	1° 6'	2° 0'	2° 60'	2° 53'	82° 6'	87° 0'	84° 8'
Cargen -	72	3 37 W.	55 2 N.	29° 799'	46° 9'	45° 7'	46° 3'	38° 7'	52° 7'	Feb. 12th	84° 8'	June 26th	2° 3'	1° 8'	2° 1'	2° 27'	2° 23'	83° 7'	86° 9'	86° 3'
Durham -	336	1 35 W.	54 46 N.	29° 530'	45° 7'	43° 8'	44° 8'	39° 0'	51° 8'	Jan. 30th	76° 2'	July 20th	2° 1'	1° 4'	1° 8'	2° 27'	2° 26'	88° 5'	88° 6'	88° 8'
Newton Reigny -	579	2 48 W.	54 41 N.	29° 284'	45° 5'	43° 4'	44° 5'	37° 6'	51° 5'	Feb. 14th	82° 0'	June 26th	1° 8'	1° 1'	1° 5'	2° 28'	2° 20'	87° 6'	91° 6'	89° 6'
Aysgarth -	658	1 58 W.	54 18 N.	—	45° 0'	42° 0'	44° 0'	38° 4'	50° 6'	Feb. 14th	77° 0'	Aug. 9th	2° 6'	1° 8'	2° 2'	2° 52'	2° 47'	85° 8'	84° 8'	82° 7'
Scarborough -	159	0 23 W.	54 17 N.	29° 743'	46° 2'	45° 1'	45° 7'	40° 9'	50° 9'	Jan. 30th	73° 3'	Aug. 7th	1° 8'	1° 3'	1° 6'	2° 28'	2° 21'	88° 7'	90° 5'	89° 2'
Cronkbourne -	137	4 29 W.	54 10 N.	29° 765'	48° 7'	46° 3'	47° 5'	42° 2'	52° 3'	Feb. 14th	77° 0'	June 25th	2° 0'	1° 4'	1° 7'	2° 36'	2° 30'	86° 6'	89° 9'	88° 3'
York -	51	1 5 W.	53 57 N.	29° 878'	46° 4'	45° 7'	46° 1'	40° 1'	53° 1'	Jan. 30th	83° 3'	June 26th	2° 5'	2° 0'	2° 3'	2° 68'	2° 70'	85° 8'	84° 8'	81° 6'
Stonyhurst -	375	2 28 W.	53 51 N.	29° 549'	46° 3'	45° 1'	45° 7'	40° 5'	51° 4'	Feb. 14th	80° 9'	June 26th	2° 8'	2° 3'	2° 6'	2° 64'	2° 61'	80° 4'	82° 8'	81° 6'
Wakefield -	96	1 30 W.	53 41 N.	29° 828'	46° 1'	45° 6'	45° 9'	40° 6'	52° 9'	Feb. 14th	81° 4'	June 25th	1° 8'	1° 5'	1° 7'	2° 28'	2° 25'	81° 1'	80° 2'	88° 2'
Prestwich -	204	2 17 W.	53 32 N.	29° 583'	46° 5'	45° 0'	45° 8'	40° 3'	53° 5'	Feb. 14th	81° 7'	June 26th	2° 3'	1° 6'	2° 0'	2° 28'	2° 25'	87° 7'	87° 7'	87° 6'
Llandudno -	88	3 50 W.	53 21 N.	29° 820'	48° 9'	47° 8'	48° 4'	42° 5'	53° 3'	Mar. 2nd	76° 9'	May 19th	3° 0'	2° 6'	2° 8'	2° 28'	2° 28'	80° 0'	81° 9'	81° 0'
Buxton -	987	1 54 W.	53 14 N.	28° 864'	44° 5'	42° 5'	43° 5'	37° 1'	—	Jan. 30th	79° 2'	June 26th	1° 3'	1° 0'	1° 2'	2° 28'	2° 26'	90° 0'	92° 0'	91° 0'
Cheadle -	646	1 57 W.	52 58 N.	29° 253'	44° 5'	44° 0'	44° 3'	39° 3'	51° 2'	Dec. 18th	78° 6'	June 25th	1° 8'	1° 4'	1° 6'	2° 26'	2° 26'	85° 9'	89° 3'	87° 6'
Hillington -	88	0 33 E.	52 48 N.	29° 845'	47° 1'	44° 5'	45° 8'	39° 7'	53° 4'	Feb. 2nd	83° 8'	Aug. 9th	2° 1'	1° 2'	1° 7'	2° 29'	2° 21'	85° 3'	90° 5'	87° 9'
Uppingham -	484	0 44 W.	52 35 N.	29° 408'	45° 7'	44° 1'	44° 9'	39° 7'	53° 0'	Feb. 25th	83° 5'	June 25th	1° 7'	1° 1'	1° 4'	2° 28'	2° 28'	80° 0'	90° 9'	89° 0'
Churchstoke -	538	3 5 W.	52 31 N.	29° 359'	46° 7'	43° 8'	45° 3'	38° 6'	52° 9'	Mar. 2nd	80° 5'	Aug. 9th	2° 5'	1° 5'	2° 0'	2° 27'	2° 26'	86° 9'	87° 5'	86° 8'
Geldeston (Beccles) -	37	31 E.	52 28 N.	29° 894'	47° 9'	45° 7'	46° 8'	40° 6'	53° 6'	Feb. 2nd	84° 0'	June 3rd	2° 4'	1° 4'	1° 9'	2° 29'	2° 29'	84° 0'	89° 8'	86° 9'
Bennington -	407	0 5 W.	51 54 N.	29° 527'	46° 4'	44° 7'	45° 6'	40° 1'	52° 9'	Feb. 25th	82° 8'	June 25th	2° 4'	1° 5'	2° 0'	2° 27'	2° 27'	83° 6'	88° 2'	85° 9'
Cheltenham -	184	2 3 W.	51 54 N.	—	47° 3'	—	—	40° 0'	53° 9'	Feb. 17th	81° 0'	Aug. 9th	2° 5'	—	—	2° 28'	—	83° 2'	—	—
St. David's -	215	5 16 W.	51 53 N.	29° 713'	48° 8'	47° 0'	47° 9'	43° 3'	52° 5'	Feb. 26th	73° 6'	June 25th	1° 7'	1° 2'	1° 5'	2° 31'	2° 30'	83° 8'	91° 0'	89° 4'
Carmarthen -	188	4 18 W.	51 52 N.	29° 728'	49° 8'	46° 1'	48° 0'	41° 5'	54° 9'	Jan. 30th	80° 5'	June 25th	3° 1'	1° 5'	2° 3'	2° 29'	2° 29'	80° 4'	88° 5'	84° 5'
Berkhamsted -	400	0 31 W.	51 46 N.	29° 533'	46° 0'	44° 6'	45° 3'	39° 8'	53° 4'	Feb. 2nd	84° 3'	June 25th	2° 2'	1° 5'	1° 9'	2° 27'	2° 27'	84° 5'	88° 5'	86° 5'
Kew -	18	0 19 W.	51 28 N.	29° 937'	47° 4'	46° 8'	47° 1'	41° 6'	53° 8'	Feb. 2nd	82° 0'	June 25th	2° 5'	2° 1'	2° 3'	2° 27'	2° 21'	82° 6'	84° 8'	83° 7'
Margate -	83	1 24 E.	51 24 N.	29° 867'	48° 3'	46° 8'	47° 6'	42° 3'	55° 3'	Feb. 2nd	81° 0'	Aug. 10th	2° 4'	1° 8'	2° 1'	2° 29'	2° 30'	83° 5'	85° 3'	85° 3'
Southampton -	78	1 24 W.	50 55 N.	29° 885'	49° 1'	47° 0'	48° 1'	42° 3'	55° 6'	Feb. 2nd	79° 2'	Aug. 9th	2° 3'	1° 5'	1° 9'	2° 30'	2° 30'	84° 5'	88° 4'	86° 5'
Eastbourne -	39	0 7 E.	50 46 N.	29° 935'	48° 4'	47° 8'	48° 1'	43° 7'	53° 4'	Feb. 25th	77° 1'	June 25th	2° 2'	2° 0'	2° 1'	2° 30'	2° 29'	84° 5'	85° 7'	85° 1'
Rousdon -	523	3 0 W.	50 42 N.	29° 392'	47° 1'	44° 8'	46° 0'	40° 6'	53° 1'	Feb. 25th	72° 5'	May 24th	1° 4'	0° 8'	1° 1'	2° 30'	2° 29'	90° 4'	94° 0'	92° 2'
Dartmoor -	1,359	3 59 W.	50 33 N.	—	45° 9'	41° 2'	42° 6'	36° 9'	—	Feb. 24th	77° 4'	Aug. 10th	1° 5'	1° 4'	1° 5'	2° 26'	2° 20'	85° 9'	86° 1'	86° 0'
Babacombe -	203	3 31 W.	50 29 N.	29° 641'	49° 3'	47° 3'	48° 3'	43° 4'	54° 3'	Feb. 2nd										

and 9 p.m. each Day, at BRITISH

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

1888.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1888.
	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	
Svanbister.	-	-	73	28	78	22	126	29	161	31	229	42	126	23	123	26	111	29	59	19	8	4	25	44	Swanbister.
Aberdeen.	-	-	75	28	76	21	150	35	211	42	217	41	136	26	144	31	130	35	86	27	37	16	32	16	Aberdeen.
Braemar†	-	-	66	24	59	16	143	34	202	40	238	45	101	19	138	30	136	36	32	10	8	3	26	13	Braemar†
Glasgow.	-	-	57	21	89	23	95	23	178	36	213	41	94	18	133	29	90	24	60	19	15	6	16	8	Glasgow.
Durham.	-	-	55	20	84	23	97	23	202	41	140	27	94	18	129	28	118	31	79	25	38	16	45	21	Durham.
Newton Reigny.	-	-	166	24	89	23	97	23	230	47	202	40	124	23	166	37	145	39	83	23	23	9	35	16	Newton Reigny.
Douglas.	-	-	64	27	134	37	164	39	222	45	141	28	105	21	125	28	106	28	93	29	36	14	36	16	Douglas.
York.	-	-	65	23	97	27	97	23	180	37	170	34	98	19	132	29	132	35	75	23	20	8	27	42	York.
Stonyhurst.	-	-	83	30	93	26	104	25	222	45	141	28	105	21	125	28	106	28	93	29	42	17	31	44	Stonyhurst.
Llandudno.	-	-	29	21	100	27	114	27	207	43	131	26	107	21	174	39	127	34	86	27	23	9	40	17	Llandudno.
Buxton.	-	-	24	9	72	20	52	13	163	34	106	21	76	15	97	22	93	25	84	26	6	2	23	10	Buxton.
Hillington.	-	-	55	20	73	20	130	31	225	46	157	31	105	21	152	34	127	34	116	36	44	17	67	29	Hillington.
Churchstoke.	-	-	50	18	80	22	88	21	217	45	138	28	100	20	180	40	125	33	132	38	28	11	49	22	Churchstoke.
Geldeston.	-	-	33	12	68	19	131	32	243	50	178	36	118	24	157	35	158	42	131	40	40	16	56	24	Geldeston.
St. David's, Pembroke*.	-	-	83	29	133	37	132	32	232	48	175	35	138	28	183	41	165	44	113	35	33	13	42	18	St. David's, Pembroke*.
Berkhamsted.	-	-	41	14	73	20	82	20	202	42	107	22	83	17	123	28	114	30	121	37	20	8	29	12	Berkhamsted.
Kew.	-	-	32	11	59	16	106	26	225	47	132	27	104	21	159	36	126	34	112	34	26	10	35	15	Kew.
Southampton.	-	-	65	23	73	20	127	31	240	50	154	32	116	24	171	39	161	43	137	42	31	12	58	24	Southampton.
St. Leonards.	-	-	49	17	62	17	123	30	257	54	162	33	117	24	177	40	185	49	155	48	36	14	83	35	St. Leonards.
Eastbourne.	-	-	46	16	63	17	129	31	253	53	151	31	136	28	168	38	194	52	155	48	32	12	73	31	Eastbourne.
Rousdon.	-	-	97	34	71	20	128	31	223	47	152	31	112	23	155	35	160	43	130	40	40	15	73	31	Rousdon.
Falmouth.	-	-	34	12	111	30	158	39	258	55	177	37	166	34	182	41	156	42	123	38	64	24	64	26	Falmouth.
Armagh.	-	-	64	23	63	17	96	23	213	43	188	37	108	21	122	27	101	27	78	24	36	14	41	18	Armagh.
Markree Castle.	-	-	60	22	87	24	105	25	204	42	178	35	100	20	150	33	74	20	83	26	46	18	39	17	Markree Castle.
Dublin (Phoenix Park).	-	-	61	22	92	25	125	30	238	49	174	33	129	26	170	38	131	35	99	31	36	14	53	23	Dublin (Phoenix Park).
Parsonstown.	-	-	66	23	94	26	110	27	209	43	169	34	127	25	152	34	113	30	82	26	43	17	49	21	Parsonstown.
Valencia.	-	-	92	32	150	41	136	33	233	48	166	34	148	30	186	42	154	41	92	28	42	16	51	22	Valencia.

* The values for St. David's, Pembroke, are those obtained from the Sunshine Recorder at St. Ann's Head, the Telegraphic Reporting Station.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder.