Land Room
Jan. 24/94.
976

Official, No. 108.

METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER

For the Year 1889.

Published by Direction of the Meteorological Council.

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

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

1893.

Price Thirty-four Shillings.

ERRATA.

Page 5, 15, &c. Braemar:—January to October, Gravity Correction, for "+ ·027" read "+ ·030."
„ 16. Laudale:—Remarks, 14th. Insert "A*p*."
„ 19. Hillington:—Wind, 6th, 9 a.m., for "NW" read "NW 3."
„ 68, 78, 89, 99. Braemar:—Barometer, subtract ·009 inch from all the readings.
„ 79. Dundee:—August, Max. temp., 7th, 16th, for "61·5," "58·0" read "62·9," "57·4."
„ „ „ „ „ 10th, 11th, 14th, and Mean, insert "54·9," "54·9," "54·7," "62·4."
„ „ „ „ Min. temp. 15th and Mean, insert "51·2," "49·8."
„ „ „ „ 9th, 9 p.m., Dry-bulb and Vap. Ten., for "55·9," "·438" read "51·5," "·373."
„ „ „ „ 14th, 9 p.m., Dry-bulb, Dep. of Wet, Vap. Ten., and Per-centage, for "49·9," "0·5," "·346," "97" read "51·9," "2·5," "·321," "84."
„ „ „ „ 16th, 9 a.m., Dry-bulb, Dep. of Wet, Vap. Ten., and Per-centage, for "58·0," "2·4," "·410," "85" read "57·0," "1·4," "·422," "91."
„ „ „ „ Means of Vap. Ten. and Per-centage, for "·384," "·371," "81·5," "87·3" read "·385," "·368," "81·6," "86·8."
„ 88. Dunrobin Castle:—Barometer, 9 p.m. 11th and Mean, for "30·03," "29·969" read "30·13," "29·972."
„ „ „ Min. Temp. 9th and Mean, for "55·7," "46·1" read "51·4" "46·0."
„ 94. Margate:—Wind, 9 p.m. 25th, for "NW" read "NW 5."
„ 99. Dunrobin Castle:—Barometer, 9 p.m. 30th and Mean, for "·35," "29·678" read "·40," "29·680."
„ 138. Braemar:—Mean Pressure, July, August, and Year, for "·697," "·554," "28·662" read "·688," "·545," "28·660."
„ 146. Glenlee:—Dep. of Wet, Mean for the year, for "2·2" read "2·1."

Additional Erratum for 1886.

Page 157. Cheadle, Oct. Max. Rainfall, for "6·200" read "·620."

OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER, 1889.

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 to 1888. 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.
ℭ Dunrobin Castle	D. Melville (for the Duke of Sutherland, K.G.).
ℭ Braemar	James Aitken.
Laudale	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
ℭ Dundee	W. Ross M'Kelvie.
Glasgow	The late Prof. R. Grant, M.A., LL.D., F.R.S.
ℭ 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 (Phœnix Park)	Sergt. Lipscombe and Corpl. Stone (for Lieut.-Col. Kirkwood, R.E.).
Parsonstown	O. Boeddicker, Ph.D. (for the Earl of Rosse, F.R.S.).

The stations in the above list marked with "ℭ" 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) the only change in the stations as compared with those for 1888 is the introduction of Liverpool (Bidston Observatory), observations from which were furnished by the late J. Hartnup, F.R.A.S., from August.

It will be noticed that in this "B" list there are included, as in the years 1886–1888, 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

E 75797. 250.—4/93. Wt. 26258.

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 had been reduced to the mean sea level, are now given without that reduction, that is, at station level. They are, however, corrected for instrumental error and reduced to 32° Fahrenheit as before. To give effect to the recommendation of the International Meteorological Conference that met in Munich in August 1891, the correction to be applied to the barometer readings, as printed, in order to allow for the difference of Gravity at the station from that at Latitude 45° is now inserted (for the first time) at the head of the tables as "Gravity Correction."

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

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

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

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

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

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

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

The minimum and maximum thermometers have been read and set at 9 p.m. each day 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 international agreement and used in the "Remarks" columns:—

Rain - - - - ●	Hoar-frost - - - - ⊔	†Solar Corona - - - ○
Snow - - - - ✳	Dew - - - - - ⊃	†Solar Halo - - - ⊕
‡Snow lying - - - ⊠	*Silver-thaw ("Rauh-frost," "Duft") V	†Lunar Corona - - - ⋓
Snow Drifting - - - ✢	Glazed Frost ("Glatteis") - ~	†Lunar Halo - - - ⊞
Hail - - - - ▲	Thunderstorm - - - ⚡	Rainbow - - - - ⌒
Soft-Hail ("Graupel") - - △	Lightning without Thunder, or Sheet Lightning - - } <	Aurora - - - - ≡
Ice Crystals - - - ←	Strong Wind - - - ⁄	Dust Haze ("Höhenrauch") - ∞
Mist, Fog - - - - ≋		

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

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

Swanbister.—January 1889.

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. Gravity Correction, + ·036.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·05	30·25	37·9	37·6	34·6	43·1	2·9	2·0	·174	·187	76	83	WNW 1	SW 2	2	0	·020	└┘ 9a. Ш⁰ 9p.
2	·28	·24	37·7	43·1	32·9	43·1	1·6	1·6	·195	·244	86	87	S 1	SSW 5	4	10	—	└┘ 9a.
3	·15	30·11	47·7	48·3	42·3	48·6	1·9	2·5	·285	·278	87	83	SW 4	WSW 3	10	3	—	
4	30·02	29·96	47·2	46·3	45·1	48·3	2·2	2·2	·273	·263	85	85	SW 7	SW 5	9	8	·080	Overcast all day.
5	29·86	·65	46·0	45·3	44·2	48·7	3·0	2·3	·244	·250	79	83	SW 3	SSW 6	7	10	·050	
6	·73	·81	40·0	38·2	37·5	45·3	1·5	1·7	·217	·197	88	86	WSW 5	SW 3	7	1	·020	
7	·82	·68	32·8	41·3	31·8	41·3	1·3	1·8	·160	·222	86	86	Calm 0	S 5	8	3	·030	
8	·43	29·31	43·0	43·0	40·3	44·1	2·0	1·0	·234	·255	84	92	SSE 8	SSE 8	10	10	·260	
9	·14	28·97	40·0	41·5	40·0	45·1	1·8	1·5	·211	·230	86	89	SSE 7	ESE 7	10	10	·170	
10	·34	29·60	40·0	38·6	37·3	43·6	2·0	1·0	·207	·214	84	92	S 4	SSW 1	7	2	—	
11	·57	·50	42·0	41·0	35·0	43·1	0·2	2·0	·263	·215	98	84	SSE 6	SE 8	8	8	·020	
12	·67	29·85	40·2	39·3	37·0	41·1	3·0	2·3	·191	·196	77	82	SE 7	S 4	7	10	·050	
13	·98	30·05	37·0	38·2	35·5	39·3	2·0	1·2	·182	·206	83	90	SSW 3	Calm 0	9	7	—	
14	·97	29·87	38·0	42·2	37·0	42·2	1·7	2·2	·195	·223	85	84	S 5	SSE 5	10	10	—	Overcast all day.
15	·74	·66	42·0	42·2	40·1	42·6	1·5	1·2	·235	·243	89	90	SSE 5	S 6	10	10	·250	∞
16	·64	·67	41·5	41·0	40·0	42·2	1·5	1·0	·230	·235	89	92	SSE 7	S 6	10	10	·240	
17	·84	·73	40·0	48·0	38·8	48·0	1·2	3·0	·222	·263	90	79	SSW 2	WSW 5	10	10	·260	
18	·50	·62	44·0	40·0	40·0	54·1	0·3	1·0	·281	·226	98	92	SSE 1	W 8	10	7	·100	▲ showers 9p.
19	29·72	29·96	38·0	39·6	36·8	40·1	1·0	3·5	·208	·178	91	73	NW 5	NNW 4	4	5	·180	▲ showers.
20	30·10	30·05	36·7	41·7	33·3	44·1	0·7	1·1	·204	·240	94	91	Calm 0	NW 3	7	3	·150	✳
21	·28	·43	38·9	33·8	33·0	44·6	1·8	0·8	·202	·178	86	91	NNW 1	NW 1	2	2	·010	
22	·33	·27	45·0	45·6	33·0	45·9	0·2	0·6	·294	·292	98	96	W 4	WNW 4	10	10	·030	
23	·24	·24	45·0	43·5	42·0	46·1	0·4	3·5	·289	·210	97	75	W 4	WNW 3	10	10	·080	
24	30·16	30·05	45·6	46·2	41·0	48·1	0·6	1·2	·292	·285	96	92	W 5	W 6	7	8	·020	
25	29·86	29·89	47·0	41·4	40·0	47·1	1·0	0·4	·298	·252	93	97	W 8	NW 4	10	10	·240	
26	30·00	30·25	36·6	31·6	31·0	42·1	1·4	1·2	·190	·150	87	84	NW 4	NNW 3	7	8	·050	✳ showers.
27	30·29	29·96	37·0	40·5	31·0	40·5	1·4	1·3	·193	·225	88	90	WSW 3	SSW 5	10	10	·020	
28	29·87	·69	46·8	45·0	40·0	47·1	1·8	2·2	·277	·249	87	84	WSW 6	SSW 5	7	8	·130	
29	·09	·46	43·0	38·9	37·0	49·1	1·0	1·9	·255	·200	92	85	SW 5	W 5	9	10	·230	▲ showers p.
30	·07	·43	42·3	38·9	37·0	43·1	3·0	1·9	·209	·200	78	85	NW 6	WNW 4	7	3	·230	▲ showers.
31	29·10	29·21	49·0	45·5	38·9	49·0	1·3	2·7	·315	·245	91	81	WSW 8	WNW 6	10	7	·160	
Mean	29·801	29·820	41·5	41·5	37·5	44·9	1·5	1·7	·233	·227	88·0	86·5	4·4	4·5	8·0	7·2	3·080	

Dunrobin Castle.—January 1889.

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

1	30·18	30·42	32·3	31·3	30·5	44·0	0·2	0·8	·180	·157	98	89	N	NW	—	—	—	Clear and frosty.
2	·38	·36	31·3	44·2	29·0	44·2	1·0	2·9	·152	·228	87	78	N	W	—	—	—	└┘. Windy.
3	·29	·25	49·5	50·5	44·2	50·5	4·2	4·8	·256	·254	73	70	NW	W	—	—	—	Fair and mild. Windy.
4	30·20	30·08	45·9	46·2	45·7	50·7	2·2	2·7	·260	·253	85	82	SW	SW	—	—	—	Cloudy and windy.
5	29·96	29·80	45·9	45·9	45·5	50·0	3·6	3·4	·232	·236	76	77	W	SW	—	—	—	Cloudy.
6	·90	·94	40·6	33·8	33·8	47·0	3·7	1·5	·182	·164	71	84	NW	N	—	—	—	Fine day.
7	·90	·74	30·8	41·4	29·7	41·4	0·5	3·0	·160	·201	93	78	NW	S	—	—	—	└┘. Clear.
8	·56	·38	43·6	43·9	38·6	45·7	2·9	2·2	·222	·239	78	83	S	SW	—	—	—	
9	·21	·11	44·2	41·9	41·2	45·5	2·5	1·4	·236	·236	81	90	E	NW	—	—	·400	
10	·46	·72	33·1	32·8	32·5	42·7	0·6	0·5	·177	·176	94	94	N	N	—	—	·020	Clear and frosty.
11	·63	·58	42·4	43·4	31·5	43·4	1·7	2·9	·235	·221	87	78	E	SE	—	—	—	Thaw.
12	29·81	29·96	40·4	39·6	39·4	43·5	2·2	1·7	·207	·209	83	86	E	SW	—	—	—	Cold wind.
13	30·08	30·13	31·5	31·1	30·0	39·6	1·0	1·8	·154	·132	87	75	NW	N	—	—	—	Calm and clear.
14	30·07	29·97	37·6	42·4	30·5	42·4	4·1	3·0	·153	·210	68	78	SW	SW	—	—	—	Dull day.
15	29·83	·74	42·6	43·6	41·7	45·4	1·9	2·3	·232	·234	85	82	SSW	W	—	—	—	Dull day.
16	·75	·76	42·4	41·9	41·7	43·6	1·4	1·9	·241	·226	89	86	S	SW	—	—	—	Dull day.
17	·91	·80	36·8	49·0	34·3	49·0	0·6	2·5	·206	·287	95	83	W	W	—	—	·200	Dull and cold.
18	·64	29·85	53·5	40·4	39·8	58·2	3·2	4·8	·324	·163	80	65	W	NW	—	—	·260	Fresh and breezy.
19	29·91	30·08	37·6	35·8	35·4	41·3	2·0	2·5	·187	·164	83	77	NW	N	—	—	—	Cold and frosty.
20	30·18	·20	37·6	42·4	30·5	43·7	1·2	1·7	·201	·235	90	87	W	W	—	—	—	Fine and mild.
21	·37	·51	41·6	35·3	35·3	47·7	2·0	1·8	·222	·172	85	83	E	N	—	—	—	
22	·45	·41	41·4	46·9	33·7	50·3	0·9	2·2	·242	·269	93	85	W	NW	—	—	—	Blowy.
23	·37	·39	46·6	46·2	44·5	49·0	1·3	1·7	·287	·274	91	89	W	NE	—	—	—	Fine and mild.
24	·27	·21	47·5	45·9	41·9	52·0	2·0	1·9	·281	·266	87	87	NW	NE	—	—	—	Fine and mild.
25	·05	·06	49·5	45·6	45·2	52·0	3·0	0·9	·282	·285	80	94	NNW	W	—	—	·180	Dull, mild, and blowy.
26	·13	·41	39·2	33·1	33·0	51·0	1·6	2·3	·208	·143	87	75	W	NW	—	—	—	Dull day.
27	·40	30·06	33·1	43·2	29·5	43·3	1·3	2·7	·162	·223	86	80	NNW	NW	—	—	·030	Dull day.
28	30·02	29·71	45·4	45·4	41·2	48·0	1·1	2·9	·278	·240	92	80	SW	NW	—	—	·100	Fine and mild.
29	29·30	·62	42·6	36·3	35·6	47·5	1·3	0·9	·245	·197	89	92	W	W	—	—	·100	● showers.
30	·27	·51	44·4	40·2	36·1	48·0	2·1	3·8	·246	·177	84	71	N	NW	—	—	—	Dull and mild.
31	29·26	29·46	53·0	46·4	40·2	54·3	3·5	3·4	·311	·240	77	77	W	W	—	—	·240	Mild day. Fresh wind.
Mean	29·925	29·942	41·4	41·5	36·8	46·9	2·0	2·3	·225	·216	85·0	81·8	—	—	—	—	1·530	

30/22·1·94

Braemar.—January 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	28·91	29·11	30·4	21·7	21·7	38·8	1·7	0·5	·128	·099	75	86	W 0·5	W 0·5	1	0	—	Fair, clear and frosty.
2	29·16	·19	21·0	38·6	19·7	38·6	0·3	2·0	·103	·196	91	84	W 0·5	SW 0·5	2	8	—	Clear and frosty.
3	·13	29·15	41·6	42·6	38·6	43·8	1·8	2·3	·225	·225	86	83	SW 4	SW 4	8	8	—	
4	29·04	28·94	41·5	41·6	40·3	44·5	3·6	3·2	·192	·200	74	76	SW 2	SW 2	7	4	—	
5	28·83	·63	40·3	40·6	37·1	44·3	2·7	2·8	·197	·198	79	78	SW 4	SW 8	7	5	—	
6	·69	·72	36·8	35·7	29·4	42·5	1·9	1·7	·182	·178	84	84	SW 0·5	SW 0·5	4	5	—	Fair, but cold.
7	·70	·59	19·7	36·1	19·7	39·3	0·0	1·2	·107	·190	100	89	SW 0·5	SW 0·5	6	8	·090	✳ showers.
8	·44	28·27	37·8	37·6	36·1	39·7	1·9	1·0	·190	·205	84	91	SW 2	SW 4	9	10	·500	Dull and damp.
9	·07	27·96	39·9	35·7	35·7	40·5	1·3	1·1	·219	·189	90	90	S 4	SW 1	9	10	·180	Dull and damp.
10	·29	28·52	28·2	25·1	24·6	36·9	0·5	0·4	·140	·122	91	90	S 0·5	SW 0·5	6	7	·040	Fair, clear and frosty.
11	·42	·37	38·2	36·8	25·1	39·5	1·6	1·3	·199	·193	87	89	SE 2	SE 4	9	0	·110	Stormy, with ●.
12	·50	·68	33·0	32·5	32·4	39·5	1·1	1·1	·165	·161	88	87	E 0·5	E 0·5	10	8	·030	✳ showers.
13	·87	·94	30·9	29·7	29·4	35·8	1·2	1·0	·144	·137	82	84	SE 2	SW 0·5	8	8	—	Fair and frosty.
14	·89	·82	33·4	35·0	28·4	36·0	1·7	1·3	·157	·178	82	87	SW 0·5	SW 2	8	8	—	Dull and cold.
15	·73	·60	35·4	37·6	34·7	38·4	0·8	1·2	·192	·201	92	90	SW 6	SW 1	10	9	·020	Dark and damp, with ●.
16	·53	·60	36·6	35·7	34·7	38·8	1·0	1·6	·197	·180	91	85	S 0·5	SW 0·5	10	9	·010	Dark and damp.
17	·77	·73	35·7	41·0	34·7	41·2	2·0	1·5	·172	·225	82	88	W 0·5	SW 2	7	9	·040	Dark and damp.
18	·59	·73	49·8	34·0	34·0	52·8	1·2	1·3	·327	·170	91	86	SW 6	SW 0·5	9	10	·200	Fair a. ⟋ ● p.
19	·73	·90	37·4	34·7	32·7	47·7	4·2	2·2	·149	·159	67	78	SW 2	SW 0·5	6	7	—	Fine day.
20	28·97	28·96	34·7	39·8	33·4	43·5	1·0	1·4	·182	·217	91	89	NW 0·5	NW 0·5	8	9	·110	Dull day.
21	29·11	29·22	38·6	36·0	35·4	40·8	1·0	2·3	·214	·170	92	79	NE 0·5	NE 0·5	10	7	·020	Fine day.
22	·24	·16	29·5	39·4	27·1	44·1	0·8	2·0	·144	·203	87	84	NE 2	NE 0·5	6	0	—	Fine day.
23	·16	·16	40·4	40·9	32·7	48·5	1·1	1·4	·228	·226	91	89	NE 0·5	SW 0·5	6	2	—	Fine day.
24	29·11	29·04	43·9	42·6	39·3	47·8	2·9	3·1	·225	·210	78	78	SW 1	SW 2	6	7	—	Fine day.
25	28·91	28·85	44·6	45·8	42·0	47·5	3·7	1·8	·215	·267	73	87	SW 1	SW 2	7	9	·040	Fine day. Blackbird heard.
26	28·91	29·07	35·0	32·0	32·0	46·5	0·0	0·3	·204	·175	100	96	SW 0·5	SW 1	10	3	·020	✳ showers.
27	29·20	28·94	23·5	37·3	23·5	42·5	0·5	1·0	·109	·203	87	91	SW 0·5	SW 0·5	3	7	—	Fair and frosty a.
28	28·87	·66	42·8	43·6	37·3	44·5	1·3	2·3	·247	·234	90	82	SW 0·5	SW 2	7	8	·100	Fine day.
29	·11	·48	42·6	33·1	33·1	45·1	2·1	1·7	·229	·154	84	81	SW 1	SW 1	9	1	·120	✳ showers.
30	·13	·42	42·6	36·6	33·1	43·3	0·8	2·9	·256	·164	93	75	SW 2	SW 0·5	9	3	·020	✳ showers.
31	28·15	28·25	47·5	44·6	36·6	51·5	2·4	4·3	·271	·206	84	70	SW 2	SW 2	7	6	·030	● showers.
Mean	28·747	28·763	36·6	36·9	32·1	42·7	1·6	1·7	·191	·188	86·0	84·7	1·6	1·5	7·2	6·3	1·680	

Laudale.—January 1889.

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

1	30·17	30·32	35·0	34·7	33·9	45·8	0·4	0·7	·196	·188	96	93	Calm 0	Calm 0	1	0	—	Fine and frosty. Very calm.
2	·42	·50	39·8	45·6	31·6	45·4	1·8	2·2	·209	·256	86	84	SW 2	Calm 0	8	10	·020	└┘. Dull and damp.
3	·47	·44	47·9	47·7	44·9	48·7	2·6	2·4	·271	·274	82	83	W 3	Calm 0	10	10	·070	Damp, with ≡⁰ (mist) ●⁰
4	·37	30·28	48·0	45·0	42·0	48·3	2·8	2·0	·267	·253	80	85	W 5	S 2	10	10	·010	Damp and mild. ≡⁰ (mist).
5	30·10	29·90	46·0	45·3	42·9	46·5	3·0	2·0	·244	·257	79	85	W 3	W 2	10	10	·060	Damp and mild. ≡⁰ (mist).
6	29·94	·93	41·8	35·3	33·0	47·9	3·5	1·0	·196	·187	75	91	W 1	Calm 0	8	2	·020	
7	·90	·67	39·3	39·6	34·4	42·4	3·5	4·6	·175	·159	74	66	SE 2	S 2	10	10	·650	└┘. Cloudy all day.
8	·40	·33	44·3	42·3	34·9	46·3	1·4	1·4	·259	·240	89	89	SE 4	Calm 0	10	10	·890	● all day. Snow on hills. ≡⁰(mist).
9	·15	·15	36·4	39·7	35·0	42·9	0·5	4·5	·205	·161	95	66	Calm 0	Calm 0	10	10	·630	≡⁰ (mist) all day.
10	·46	·66	37·0	31·3	30·9	41·9	5·8	0·0	·123	·176	56	100	Calm 0	Calm 0	1	0	—	Fine day.
11	·52	·42	41·7	40·0	30·3	42·3	3·1	4·0	·202	·172	78	69	E 6	E 7	9	8	—	Squally ⟋ all day.
12	29·66	29·95	39·8	34·0	31·4	44·9	3·5	1·5	·179	·166	74	84	E 3	Calm 0	2	10	—	Clear day.
13	30·06	30·16	38·6	38·6	32·4	39·5	8·4	3·3	·171	·173	74	74	SW 1	E 3	10	8	—	Threatening appearance.
14	30·08	29·98	41·0	43·2	37·2	43·3	2·8	2·6	·201	·224	78	81	E 3	E 6	10	10	·100	Squally ⟋² p. ∞
15	29·80	·70	45·0	44·8	41·9	45·7	2·0	1·8	·253	·255	85	86	ESE 5	ESE 2	10	10	·930	⟋ ●². ≡⁰ (mist).
16	29·69	·79	40·8	41·0	39·9	45·3	1·5	1·0	·223	·235	89	92	E 3	Calm 0	10	10	·480	●². ≡⁰ (mist).
17	30·01	29·94	43·3	48·7	37·0	48·7	1·9	1·4	·239	·309	85	90	Calm 0	W 5	10	10	·930	Dull and damp.
18	29·86	30·00	54·8	42·0	34·3	54·9	2·6	4·2	·356	·187	83	71	Calm 0	N 2	10	1	1·010	●². ⟋ (gale) 11a.—6p.
19	30·09	·12	43·8	40·0	39·3	45·2	3·1	0·4	·220	·239	76	97	NW 2	Calm 0	10	10	·170	●⁰ ≡⁰ (mist).
20	·24	·25	40·0	46·0	37·9	46·0	0·0	1·6	·247	·274	100	89	Calm 0	Calm 0	10	10	·070	Very mild. ≡² (mist) ●⁰. Dead calm.
21	·38	·53	46·2	36·4	35·0	46·8	2·0	1·0	·267	·196	86	91	SW 1	Calm 0	9	0	·010	● showers a. Day fine.
22	·54	·48	38·2	42·0	36·4	42·0	1·3	0·1	·204	·265	89	99	Calm 0	Calm 0	10	10	·110	Dull and very mild. ≡² (mist).
23	·45	·43	44·9	47·2	41·7	47·2	0·9	2·0	·276	·277	93	86	Calm 0	Calm 0	9	10	·020	Very mild. ≡⁰ (mist).
24	·40	·34	47·7	47·0	41·6	48·5	1·5	1·7	·294	·282	89	88	W 1	W 2	9	10	·140	Very mild and damp. ≡⁰ (mist).
25	·23	·14	48·2	49·2	46·2	49·5	1·5	4·2	·300	·319	90	92	W 3	W 6	10	10	·400	● all day.
26	·19	·41	42·2	35·7	34·6	50·8	1·0	1·7	·247	·178	92	84	W 1	Calm 0	10	0	·020	● showers a. Cloudy all day.
27	·48	30·19	32·0	46·6	29·6	46·6	1·3	2·4	·151	·262	83	83	Calm 0	W 6	2	10	·120	Clear a. ● showers at night.
28	30·15	29·86	47·2	47·5	41·0	48·7	1·4	2·5	·291	·269	91	83	W 4	E 2	10	10	1·220	● showers all day.
29	29·37	·74	42·8	48·5	36·5	48·9	1·7	7·0	·238	·195	87	58	NW 7	NW 2	10	10	·420	●² n. ⟋ ● ▲ ● ✳ (sleet) all day.
30	·35	·69	49·5	43·9	40·0	50·0	2·5	2·0	·292	·243	83	84	W 6	W 2	10	8	·340	⟋ ●² showers.
31	29·53	29·60	51·4	48·6	41·3	52·5	1·7	3·9	·336	·252	88	73	W 7	NW 3	10	8	·750	●² ⟋ (gale) till 4p.
Mean	29·982	29·996	43·1	42·5	37·1	46·6	2·1	2·2	·237	·230	84·0	83·7	2·4	1·7	8·6	7·9	9·590	

DUNDEE.—JANUARY 1889.

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

Day	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·02	30·22	31·5	29·4	28·7	40·5	0·4	0·8	·168	·141	94	87	NW 1	NW 1	7	7	—	≋ ⊔
2	·31	·36	25·8	34·0	23·9	34·0	1·2	2·1	·100	·154	73	78	SW 1	SW 1	7	0	·020	⊔
3	·32	·27	39·1	41·4	33·4	41·4	1·7	1·4	·206	·231	86	89	SW 2	W 2	10	10	—	Dull day.
4	30·22	30·09	41·5	40·7	39·8	42·9	2·2	1·7	·217	·218	83	86	W 6	W 6	10	10	—	Dull day.
5	29·96	29·82	40·4	39·9	38·5	42·9	2·0	1·4	·211	·218	84	89	W 6	W 6	5	5	—	
6	·79	·79	39·0	33·2	32·0	43·8	0·4	0·6	·230	·178	97	94	W 1	W 1	10	10	—	Dull day.
7	·77	·66	27·3	36·5	26·4	36·5	0·7	0·9	·127	·199	87	92	NE 1	SW 1	10	10	·020	⊔, ●⁰ showers from 3p. ≋
8	·50	·34	37·9	40·0	34·6	40·9	1·4	0·9	·200	·228	89	93	SW 6	SE 1	10	10	·390	Dull day. ● showers from 7p.
9	·10	·02	41·0	37·1	36·4	41·6	0·6	0·6	·244	·209	95	95	S 4	W 1	10	10	·170	● n. ● showers 1.30p.—5p.
10	·32	·53	31·8	37·2	31·8	39·1	0·2	0·4	·175	·214	98	96	SW 1	SE 1	10	10	·070	● from 7.30p.
11	·49	·41	40·7	39·0	34·0	41·2	0·2	1·5	·250	·209	98	88	SE 2	SE 2	10	10	·070	● n. and till 11a.
12	·59	29·76	36·6	35·4	34·7	40·7	1·0	0·8	·197	·192	91	92	SE 2	SE 1	10	10	·030	● and ✳ ● (sleet) n. ● showers [during day.
13	29·95	30·03	35·3	35·4	33·5	38·0	0·7	1·8	·193	·173	93	83	W 1	W 1	10	10	—	Dull day.
14	30·03	29·95	36·6	38·2	32·0	39·0	0·5	1·9	·207	·193	96	84	S 1	SW 4	10	10	—	Dull day.
15	29·81	·68	37·2	38·3	36·7	39·4	0·7	1·0	·208	·211	94	92	S 1	SE 1	10	10	·040	Dull day. ●⁰ showers from 3p.
16	·64	·69	37·5	36·0	35·3	39·3	0·4	0·5	·216	·203	96	96	SE 1	SE 1	10	10	·080	Dull day. ● n.
17	·89	·85	34·3	43·7	32·1	43·8	1·0	1·2	·178	·258	89	90	W 1	W 4	10	10	·020	● in past n. ● showers 4p.
18	·69	·78	50·1	40·5	39·8	54·2	1·2	2·9	·331	·195	91	78	SW 6	SW 6	10	10	·010	⸝ from 10a. ⸝ (gale) at times.
19	29·83	29·95	41·4	36·4	35·1	44·0	2·9	1·9	·203	·180	79	84	W 1	NW 1	5	7	—	Fine day.
20	30·05	30·05	32·1	39·1	31·3	42·5	0·5	1·1	·171	·217	94	91	W 1	W 1	7	10	—	Cloudy. Dull from 2p.
21	·17	·36	41·1	36·3	34·6	46·6	2·9	1·7	·200	·183	78	85	NE 1	NE 1	5	7	—	
22	·35	·25	33·3	37·2	29·9	39·7	1·2	0·7	·166	·208	87	95	W 1	W 1	7	7	—	≋
23	·23	·24	36·7	40·6	33·1	47·8	0·7	1·1	·204	·230	94	91	W 1	W 1	5	5	—	Fine day.
24	·22	30·15	40·1	43·6	34·7	48·3	0·4	1·2	·240	·257	97	90	W 1	W 4	5	10	·010	Fine day.
25	30·11	29·93	44·5	47·5	42·2	49·7	1·5	1·7	·259	·287	89	89	W 1	W 4	10	7	—	Fine day.
26	29·99	30·22	44·2	32·6	31·7	48·3	1·1	1·8	·265	·148	92	80	NW 1	NW 1	10	7	·010	●⁰ showers till 11.30a. Dull day.
27	30·34	30·09	30·0	37·6	28·3	37·6	0·4	1·0	·156	·205	93	91	W 1	W 2	7	10	—	
28	29·96	29·76	42·9	44·2	37·6	46·3	1·3	1·1	·248	·265	90	92	W 1	W 2	10	10	·100	Dull day.
29	·19	·58	45·3	35·8	35·0	46·1	0·8	1·4	·284	·184	94	88	SW 1	SW 2	10	5	·070	● n. and till 10a.
30	·18	·52	44·4	40·4	35·2	48·7	1·6	2·9	·256	·194	88	78	W 2	W 1	5	10	·020	Cloudy. ● 11a.
31	29·26	29·30	48·7	47·7	38·3	56·3	2·0	4·0	·294	·240	86	73	W 2	W 8	10	5	·090	Fine day.
Mean	29·848	29·859	38·3	38·5	33·9	43·3	1·1	1·4	·213	·207	90·2	88·0	1·9	2·3	8·5	8·5	1·220	

GLASGOW.—JANUARY 1889.

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

1	30·03	30·19	33·6	32·1	27·9	43·9	0·7	0·5	·178	·170	92	93	NNE 1	NNE 1	7	10	—	⊔ ≋⁰.
2	·32	·38	27·7	34·0	26·3	34·5	0·2	2·0	·146	·156	97	79	S 1	WSW 1	10	10	·020	⊔ ≋².
3	·36	·32	38·4	42·0	33·8	42·8	0·7	1·5	·218	·235	95	89	SW 2	SW 2	10	10	—	Dull and overcast.
4	·25	30·16	41·4	40·8	40·3	43·2	1·8	1·4	·223	·226	86	89	SW 1	SSW 1	10	10	—	Dull and overcast.
5	30·00	29·82	40·6	41·9	39·6	42·5	1·4	2·6	·224	·213	89	81	SW 2	SW 3	6	10	·015	
6	29·78	·78	41·8	34·7	34·7	43·1	0·6	0·4	·252	·193	95	96	SW 1	NNE 1	7	10	·015	⊔ ●⁰. ≋⁰ 9p.
7	·73	·59	29·9	41·6	28·5	42·0	0·3	1·9	·160	·223	96	86	NNE 1	S 1	5	10	·035	⊔ ≋⁰ a. Overcast, with ●⁰.
8	·39	·24	42·3	43·2	41·1	44·4	3·1	1·4	·207	·248	77	89	S 4	S 4	10	10	·330	Overcast, with squally ⸝ ●⁰.
9	·01	·02	44·2	38·6	36·6	45·1	1·6	1·0	·254	·214	88	92	SE 1	S 1	10	10	·245	Dull and overcast, with ●⁰.
10	·30	·50	33·1	33·0	32·5	38·6	0·7	1·1	·174	·165	92	88	ENE 1	W 1	10	10	—	⊔. Cloudy, with ≋⁰.
11	·43	·32	34·9	37·5	33·0	41·1	0·9	2·5	·185	·178	91	80	ENE 1	E 1	8	9	—	Dull and cloudy.
12	·51	29·73	36·6	36·3	35·9	39·3	1·8	1·3	·182	·188	85	89	ENE 1	ENE 1	9	10	—	Dull and overcast.
13	·95	30·03	35·9	36·2	35·7	38·5	1·5	1·6	·182	·182	86	86	NW 1	ENE 1	10	10	—	Overcast all day.
14	·98	29·89	39·0	39·5	36·0	40·8	2·9	3·0	·182	·185	78	77	SSE 1	S 4	10	10	—	Gloomy and overcast.
15	·75	·62	40·1	40·7	38·9	42·0	1·8	1·8	·212	·217	86	86	S 1	SW 1	10	10	·077	Gloomy and overcast, with ●⁰.
16	·59	·65	39·8	38·4	38·4	41·5	2·3	1·1	·199	·210	82	91	SE 1	SSE 1	10	10	·315	Gloomy and overcast, with ●⁰.
17	·89	·84	39·6	44·8	36·0	45·2	0·4	0·7	·235	·280	97	94	SW 1	SW 4	10	10	·050	Overcast, with squally ⸝ ●⁰.
18	·77	·87	50·1	40·6	40·4	52·1	1·0	2·2	·335	·208	93	83	SW 4	W 2	10	6	·177	Cloudy, with squally ⸝ ●⁰.
19	29·88	29·97	42·0	40·9	38·8	44·5	1·5	0·9	·235	·237	89	93	W 3	SW 1	8	10	·030	Cloudy, with squally ⸝ ●⁰.
20	30·08	30·07	35·9	43·0	34·5	43·7	0·3	2·0	·206	·234	97	84	S 1	W 1	10	9	—	≋⁰ a.
21	·16	·34	41·2	39·7	39·7	45·8	1·2	2·7	·233	·192	91	78	W 1	ENE 1	8	4	—	Dull and cloudy.
22	·36	·25	32·0	37·2	31·1	40·7	0·4	0·3	·172	·216	94	98	N 1	S 1	2	0	—	≋⁰ before 9a.
23	·28	·26	34·9	43·9	31·9	48·1	0·3	1·1	·198	·262	98	91	W 1	S 1	8	10	—	≋⁰ a. Dull and cloudy.
24	·23	30·19	42·9	45·0	42·9	47·5	0·4	1·2	·267	·271	97	91	W 1	WSW 1	7	9	—	Dull and cloudy.
25	30·09	29·99	45·9	47·5	44·1	48·2	0·8	1·1	·290	·302	95	92	SW 2	W 5	10	10	·083	Cloudy, with squally ⸝.
26	29·99	30·23	45·0	35·4	35·4	48·4	9·6	2·8	·285	·155	95	75	W 1	WNW 1	10	0	—	Dull and cloudy.
27	30·35	30·11	28·9	41·9	28·2	42·5	0·8	0·9	·137	·246	86	93	NE 1	SW 3	5	8	·010	⊔ ≋⁰ a. ●⁰
28	29·98	29·75	43·1	45·1	41·9	47·5	0·6	1·6	·265	·263	95	88	SW 1	SSW 3	8	10	·453	Gloomy, overcast, and threatening.
29	·20	·62	44·8	38·9	37·1	47·2	2·2	2·2	·247	·193	84	83	NW 2	SW 1	9	0	·090	Cloudy, with squally ⸝ ▲⁰ ●².
30	·20	·55	47·2	41·4	38·9	49·2	1·4	1·7	·292	·225	90	87	WSW 3	WSW 1	9	7	·035	●⁰ a. Cloudy, with squally ⸝.
31	29·32	29·42	48·2	47·0	41·4	51·5	0·7	2·8	·319	·257	95	80	WSW 4	WSW 3	10	7	·085	Cloudy, with squally ⸝ ●⁰.
Mean	29·843	29·861	39·4	40·1	36·2	44·0	1·1	1·6	·222	·218	90·7	87·1	1·5	1·7	8·6	8·4	2·065	

WOLFELEE.—JANUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·53	29·73	29·0	25·5	27·0	38·9	1·2	0·7	·125	·114	79	83	SW	SW	—	—	—	Fine and frosty.
2	·82	·94	24·5	28·0	22·0	36·9	0·7	0·7	·107	·131	82	86	SW	SW	—	—	—	Fine and frosty.
3	·90	·88	37·0	39·0	23·0	37·1	0·3	1·3	·214	·214	97	90	SW	SW	—	—	—	Dull and blowy a. Cloudy p.
4	·80	·72	38·0	38·0	35·0	40·9	1·3	1·3	·203	·203	89	89	SW	NW	—	—	—	Cold and blowy a. Blowy p.
5	·58	·42	37·5	39·0	35·0	39·9	1·7	1·3	·191	·212	84	90	NW	SW	—	—	—	Fine and blowy a. Dull and blowy p.
6	·36	·32	38·0	34·5	35·0	40·9	0·3	0·3	·222	·195	97	97	SW	SW	—	—	—	Fine and mild.
7	·29	29·20	30·5	34·5	27·0	40·9	0·7	0·7	·152	·186	90	93	SW	W	—	—	·010	Fine a. and p. ● showers in after- [noon.
8	29·04	28·91	38·0	40·0	29·0	38·7	2·5	1·3	·185	·220	81	90	S	S	—	—	·210	Dull a. Dull and blowy p.
9	28·65	28·62	40·0	35·5	37·2	42·1	0·7	0·2	·232	·204	94	98	S	SW	—	—	·160	Dull and blowy a. ● showers.
10	28·84	29·04	32·0	36·0	29·0	40·9	0·2	0·2	·177	·208	97	98	S	S	—	—	·010	Fine a. Dull, with ●⁰ p.
11	29·04	28·90	37·5	38·7	31·0	39·7	0·3	1·9	·218	·198	97	85	S	SW	—	—	—	Dull p.
12	·04	29·24	38·0	34·5	32·5	40·9	1·5	0·2	·199	·196	87	98	E	NE	—	—	·020	Dull, with ●⁰ a. Dull p.
13	·45	·54	34·0	35·0	29·5	42·0	0·2	0·2	·192	·200	98	98	NE	NE	—	—	—	Dull a. Fine p.
14	·57	·43	33·5	35·0	25·5	36·9	0·7	1·7	·177	·170	92	83	SW	SW	—	—	—	Dull a.
15	·38	·24	35·0	37·5	31·0	37·4	1·2	1·7	·180	·191	88	85	SW	W	—	—	—	Dull a.
16	·18	·22	34·5	34·0	30·0	37·9	1·2	0·7	·176	·182	87	92	NW	SW	—	—	—	Fine a. Dull p.
17	·46	·44	34·5	43·5	31·5	36·3	0·2	0·9	·196	·262	98	93	SW	SW	—	—	·160	Fine and clear a. Blowy p.
18	·40	·43	48·5	40·0	28·0	48·5	0·9	2·7	·319	·194	93	78	SW	W	—	—	·400	Blowy, with ● a. ● showers. Fine p.
19	·45	·51	40·0	38·5	35·0	49·8	1·4	1·2	·218	·209	89	90	SW	SW	—	—	·070	● showers a. Fine p.
20	·58	·59	32·5	40·5	30·0	44·7	0·2	1·4	·181	·222	98	89	SW	SW	—	—	—	Very fine a. Fine and mild p.
21	·67	·84	40·0	33·5	29·0	42·9	0·8	0·7	·230	·176	94	92	N	SW	—	—	—	Very mild a. Fine and clear p.
22	·89	·79	26·5	31·0	23·0	43·9	0·7	1·2	·122	·143	85	82	NE	NE	—	—	—	Fine, clear, and frosty a. Fine p.
23	·79	·78	31·0	39·5	24·5	39·9	1·2	0·9	·143	·224	82	93	SW	SW	—	—	—	Fine and frosty a. Fine and clear p.
24	·76	·73	34·5	42·0	31·0	42·9	0·2	1·4	·196	·237	98	89	SW	SW	—	—	—	Fine and clear a. Fine and mild p.
25	·63	·56	44·0	45·5	34·0	44·9	1·4	1·4	·257	·272	89	90	SW	SW	—	—	—	Fine and mild a. Fine and blowy p.
26	·54	·69	46·0	33·5	43·0	47·7	1·4	1·2	·278	·167	90	87	SW	NW	—	—	·030	Fine and mild a. Fine and clear p.
27	·88	·68	22·5	35·0	18·0	48·8	0·7	0·4	·096	·196	80	96	SW	SW	—	—	·020	Clear and frosty a. Dull p.
28	29·55	·34	42·0	44·0	22·0	42·9	1·4	1·4	·237	·257	89	89	SW	SW	—	—	·240	Dull and blowy a. Dull p.
29	28·80	·20	45·5	34·0	40·9	45·9	1·4	1·2	·272	·172	90	87	SW	SW	—	—	·250	Stormy a. Fine and clear p.
30	·85	·11	45·0	38·0	32·0	47·0	0·9	1·7	·277	·195	93	85	SW	NW	—	—	·030	● showers a. Blowy a. and p.
31	28·93	29·00	47·2	47·5	36·0	48·3	1·6	1·9	·287	·283	89	86	SW	SW	—	—	·010	Blowy a. Fine and mild.
Mean	29·407	29·420	36·7	37·1	30·2	42·1	0·9	1·1	·202	·201	90·2	89·7	—	—	—	—	1·620	

SCARBOROUGH.—JANUARY 1889.

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

1	29·98	30·18	35·8	39·5	30·5	40·3	0·1	0·1	·208	·240	99	99	W 1	Calm 0	10	10	·020	Dull, dark, and damp.
2	30·31	·46	36·3	32·4	32·3	39·5	0·3	0·0	·208	·184	97	100	SW 1	SW 1	3	0	—	Bright, clear, and cold.
3	·49	·45	27·3	32·9	27·0	34·3	0·0	0·0	·149	·188	100	100	S 3	SW 2	10	10	—	≋ 9a. Very cold. Bright afternoon
4	·37	30·26	34·8	35·6	31·7	39·3	0·3	0·1	·196	·206	97	99	SW 4	SW 3	1	0	—	Bright and cold. [≋ n.
5	30·14	29·98	32·2	29·6	28·8	36·3	0·0	0·0	·182	·164	100	100	W 4	S 1	10	10	—	≋ 9a. and 9p. Very cold.
6	29·89	·79	26·2	32·4	25·3	32·4	0·2	0·1	·135	·182	96	99	SW 3	SW 1	0	10	·030	Fine a. Very cold. Milder p. ≋
7	·78	·79	34·0	30·7	30·0	35·3	0·0	0·0	·196	·172	100	100	SW 1	SW 2	9	1	—	Very cold. ≋
8	·69	·54	34·6	36·9	30·0	36·9	0·2	0·2	·196	·215	98	98	S 3	SE 4	10	10	·020	Raw cold. ●⁰ n.
9	·27	·13	39·3	38·7	36·3	43·3	0·2	0·6	·236	·223	99	95	SE 2	SW 1	10	10	·600	Damp and stormy a. Bright p. ● n.
10	·27	·49	36·6	42·7	35·8	42·7	0·0	0·3	·217	·267	100	97	NW 2	NW 1	10	10	·150	Raw, with ●². Mild p.
11	·55	·39	39·7	40·4	36·7	42·7	0·3	1·0	·238	·230	97	92	S 1	SE 3	0	10	—	Fine and dry.
12	·43	·63	36·6	38·9	35·0	40·4	1·5	1·0	·188	·217	87	92	NE 5	NE 4	10	10	·070	Very dark a. ✳ ● [noon. Stormy. (sleet) in after-
13	29·84	29·99	40·5	40·6	38·0	41·3	1·6	0·9	·218	·233	87	93	NE 4	NE 2	10	10	·070	Dull and cold, with ● showers.
14	30·05	30·04	38·7	37·2	36·5	40·8	0·8	1·0	·219	·202	93	91	NE 1	S 1	10	9	·010	Dull, with ● showers.
15	29·98	29·83	34·6	33·9	33·5	37·3	0·3	0·4	·194	·186	97	96	S 2	S 3	10	10	—	Cloudy and cold.
16	·75	29·82	32·6	32·4	32·0	37·3	0·6	0·5	·171	·172	93	95	S 3	S 3	10	10	—	Cloudy and cold.
17	·98	30·05	35·6	41·7	32·0	42·3	0·1	1·3	·207	·236	99	90	W 2	W 3	2	10	—	Bright a. Cloudy and mild in after- [noon.
18	29·98	29·88	45·9	50·0	40·7	52·7	0·9	3·3	·288	·279	94	78	SW 4	SW 4	10	1	—	Fine and very mild.
19	30·02	30·01	38·2	40·3	35·4	50·0	0·9	2·1	·212	·208	92	84	W 3	W 3	4	0	—	Fine, bright, and dry.
20	·03	·09	37·5	35·0	34·5	42·5	0·7	0·5	·210	·193	94	95	NW 1	NW 1	4	0	—	Brilliant day.
21	·09	·24	42·0	40·5	34·2	42·0	1·2	1·4	·241	·223	91	89	NW 1	NW 3	9	1	·040	Bright, with ● showers.
22	·31	·30	41·2	38·1	37·7	43·1	2·1	1·1	·215	·208	84	90	NE 3	W 1	6	7	—	Fine and bright.
23	·27	·27	35·2	37·5	30·5	43·8	1·0	0·6	·185	·214	90	95	SW 2	SW 2	3	10	·010	Brilliant day.
24	·27	·21	41·0	39·0	36·3	45·0	1·0	0·6	·235	·225	92	95	SW 1	SW 3	9	0	—	Brilliant day.
25	·13	·06	36·1	43·5	36·1	48·0	1·1	1·3	·190	·253	90	90	SW 3	SW 2	1	0	—	Brilliant day.
26	·07	·14	44·2	38·6	38·0	48·3	0·9	0·2	·269	·230	93	98	SW 3	SW 2	7	0	·060	Brilliant and cold.
27	·39	30·27	34·8	32·6	31·0	38·6	1·6	1·1	·171	·162	84	88	SW 2	SW 1	6	0	·020	Brilliant and cold.
28	30·14	29·98	38·5	41·6	31·3	44·5	0·5	0·7	·224	·248	96	94	SW 2	SW 3	8	10	·010	● a. Brilliant night.
29	29·47	·73	44·7	37·9	37·9	47·5	0·7	2·4	·279	·182	94	80	SW 4	SW 4	10	0	·020	● a. Fine night.
30	·46	·56	38·9	42·6	33·0	49·8	1·1	1·8	·215	·234	91	86	SW 5	SW 3	10	0	·020	● a. Bright night.
31	29·47	29·43	48·0	51·6	42·6	54·3	1·4	2·6	·301	·316	90	82	SW 6	SW 7	10	0	—	Cloudy a. Brilliant night.
Mean	29·931	29·935	37·5	38·2	33·9	42·3	0·7	0·9	·213	·216	94·0	92·9	2·7	2·4	7·2	5·5	1·150	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JANUARY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·03	30·22	38·8	34·9	34·9	45·2	1·8	0·9	·201	·185	85	91	NNE 3	NW 3	7	0	·003	● a. Dull day. ⌓ p.
2	·37	·50	36·0	30·7	30·4	48·9	0·3	0·2	·206	·167	97	98	Calm 0	N 1	3	0	—	Very fine day. └² p.
3	·52	·49	34·2	39·0	28·6	43·8	0·4	1·0	·190	·218	96	92	Calm 0	NNW 1	9	3	·016	└² a. Dull day. └ p.
4	·45	30·31	39·3	43·0	36·3	45·2	0·9	1·5	·223	·245	93	88	W 1	SW 3	4	10	·002	└² a. Fine day.
5	30·16	29·98	43·9	42·0	37·6	46·4	1·9	1·1	·245	·243	85	91	SW 3	WSW 2	10	3	·005	⌓ a. Dull day.
6	29·87	·82	43·1	40·8	34·4	45·2	0·1	0·6	·276	·241	99	96	Calm 0	Calm 0	10	7	·180	Overcast, with ●⁰ showers.
7	·77	·68	40·0	45·9	38·4	45·9	0·2	1·7	·243	·270	98	88	NNW 1	SSE 4	9	10	·001	● ≋⁰ (mist) a. Dull day.
8	·47	·32	44·6	45·2	43·7	46·5	1·6	0·8	·258	·283	88	94	SE 4	SE 5	10	10	·238	● a. and 5p. Overcast and squally.
9	·01	·12	45·0	39·8	38·4	46·2	0·2	1·2	·294	·220	98	91	SE 4–5	NW 3	10	6	·210	Dull, with ● showers.
10	·37	·53	39·8	31·1	31·1	43·0	1·2	0·2	·220	·169	91	98	NW 2	Calm 0	8	0	·003	● a. Cloudy day. └² p.
11	·46	·28	41·8	40·1	31·1	42·7	1·6	2·1	·231	·206	88	83	SSE 5	SE 6	10	10	—	≋⁰ (mist) a. Dull, with squally ↙.
12	·47	29·72	39·7	39·0	38·4	40·2	2·9	2·2	·189	·195	77	83	E 5–6	ENE 3	10	10	—	Squally ↙ a. Dull day.
13	29·94	30·06	39·4	39·0	36·8	42·4	2·2	2·0	·199	·199	83	84	NE 2	NW 1	10	10	—	Dull day.
14	30·05	29·99	41·7	41·8	37·5	42·0	4·7	3·3	·176	·200	67	76	SSE 2	SSE 4	10	10	—	Dull and overcast. [showers from 5p.
15	29·86	·75	43·0	43·6	41·3	43·8	2·1	2·2	·232	·236	83	83	S 5	S 5	10	10	·018	⌓ a. ↙ a. and p. Overcast. ●
16	29·64	29·70	40·4	44·2	39·6	44·2	1·4	0·7	·222	·274	89	95	ESE 5	NW 4	10	10	·350	↙ ●⁰ a. Overcast. ●² 4p.—8.30p.
17	30·03	30·05	43·0	47·6	35·0	47·6	1·2	1·2	·251	·300	90	92	W 3	SW 6	4	10	·057	└ a. ● showers. ↙ p.
18	·03	·06	49·5	44·0	44·0	51·6	0·6	2·2	·339	·240	96	83	SW 4	WNW 3	10	3	·055	● a. Overcast. ● 5.30 p.—6 p.
19	·11	·09	44·6	45·2	40·8	47·2	2·8	1·0	·233	·278	79	93	W 4–5	WNW 2	6	10	·112	Cloudy. ● showers from 3p.
20	·14	·17	44·2	45·2	43·4	47·8	1·2	1·2	·263	·273	91	91	N 2	NW 4	7	4	·032	Cloudy. ● showers from 4p.
21	·22	·37	46·4	39·0	37·5	47·4	1·6	1·5	·278	·209	89	88	NNW 4	Calm 0	3	0	—	Very fine. ⌓ p.
22	·42	·36	36·5	42·8	35·4	46·2	1·7	0·4	·184	·266	85	97	NNW 1	NNW 1	7	8	·040	└ a. Very fine. ≋⁰ (mist) p.
23	·35	·37	45·8	46·0	39·3	47·6	1·0	1·2	·285	·283	93	92	N 3	NW 2	2	10	·002	Dull day.
24	·36	·34	45·0	44·7	42·5	46·0	0·2	0·8	·294	·272	98	94	NW 1	WNW 3	10	10	·003	≋⁰ (mist) a. Dull day.
25	·27	·20	46·0	47·4	43·7	47·4	0·8	1·5	·292	·291	94	89	WNW 3	W 2	9	10	—	Dull day.
26	·18	·32	47·8	37·4	36·8	48·4	1·8	2·4	·288	·178	87	80	SW 2	NNW 2	8	2	—	Dull day.
27	·42	30·30	30·0	44·0	28·6	44·0	0·5	1·2	·154	·261	92	90	N 1	SW 4	4	10	·033	└² a. Fine during day. ● 5p.
28	30·15	29·90	46·0	47·3	43·1	48·9	0·8	1·3	·292	·294	94	91	WSW 4	WSW 5	9	10	·581	● a. Overcast p. ↙ ●² n.
29	29·38	·82	49·5	40·0	38·8	49·8	0·4	1·8	·344	·211	98	86	WSW 8	WSW 3	10	2	·520	Squally ↙ ●² a. ●² showers n.
30	·45	·70	48·2	45·2	39·6	51·5	0·6	0·6	·322	·287	96	96	WSW 6–7	NW 3	9	4	·060	Squally ↙ ●² showers a. Cloudy.
31	29·57	29·60	49·8	50·8	43·1	53·0	0·6	0·8	·342	·351	95	94	W 6	W 3	10	2	·058	Squally ↙ ● showers a. Cloudy day.
Mean	29·952	29·971	42·7	42·1	37·7	46·3	1·3	1·3	·251	·243	90·1	89·9	3·1	2·8	8·0	6·6	2·579	

STONYHURST.—JANUARY 1889.

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

1	29·79	29·96	34·2	39·9	31·6	40·0	0·6	0·9	·186	·227	94	93	NEb.N 1	NEbyN 1	10	10	—	≋ a. Cloudy and overcast.
2	30·12	30·27	37·0	34·0	32·3	39·9	0·9	0·9	·202	·178	92	90	Calm 0	Calm 0	10	10	·010	Overcast and gloomy. ≋ p.
3	·32	·28	35·0	36·3	33·0	37·6	0·7	1·3	·190	·190	93	89	Calm 0	W 1	10	5	—	Overcast and gloomy, with ≋.
4	30·24	30·13	37·2	37·0	34·6	40·3	1·7	2·0	·189	·182	85	83	Calm 0	WSW 1	10	10	—	Overcast and gloomy.
5	29·99	29·81	34·9	33·0	30·3	39·0	1·5	1·0	·173	·167	85	89	Calm 0	Calm 0	10	10	—	Dull and overcast. ≋ p.
6	·70	·60	29·4	36·0	27·4	37·0	0·9	1·3	·138	·188	85	88	Calm 0	Calm 0	10	10	·035	└ ≋ a. Overcast and gloomy.
7	·59	·54	36·9	37·0	35·9	40·1	0·7	2·0	·205	·182	94	83	Calm 0	SbyE 1	10	0	—	Overcast and gloomy, with ≋ a.
8	29·38	29·22	38·6	41·8	35·9	42·1	2·1	1·6	·194	·231	83	88	SSE 5	SE 2	10	10	—	Squally before 9a. Overcast p.
9	28·90	28·89	45·0	39·7	39·1	45·4	2·9	1·7	·235	·210	79	86	SEb.E 3	Calm 0	10	10	·100	Overcast, with ● a.
10	29·11	29·29	38·9	38·1	35·3	44·1	3·0	2·4	·180	·184	77	80	NWb.N 1	Calm 0	8	10	—	
11	·31	·12	38·3	38·9	33·7	39·0	2·2	2·7	·189	·186	82	80	EbyS 1	E 1	2	10	—	
12	·21	·43	35·1	37·3	34·3	39·0	2·0	2·3	·165	·179	80	81	NEb.E 1	NE 1	10	10	—	Overcast day.
13	·68	·82	38·4	38·2	36·6	39·8	1·7	2·0	·199	·192	87	84	NEb.N 1	Calm 0	10	10	—	Overcast day.
14	·85	·82	35·3	36·8	34·3	38·6	1·6	2·3	·176	·176	85	81	Calm 0	SSE 1	10	10	—	Overcast and gloomy.
15	·73	·58	35·8	36·5	34·4	37·5	2·4	2·2	·166	·175	79	81	SSE 1	SE 1	10	10	—	Overcast day.
16	·49	·57	35·8	36·0	34·9	38·3	1·7	1·7	·179	·180	85	85	SEb.E 2	SSE 1	10	10	·016	Overcast day.
17	·80	·89	39·1	41·2	34·3	44·1	0·9	1·9	·221	·219	93	85	SW 1	SWb.W 1	10	10	·086	≋ a. Overcast.
18	·88	·79	46·2	46·0	40·2	51·1	0·6	2·1	·299	·263	96	85	SWbyS 1	WbyS 4	10	5	·130	●⁰ a. Overcast. Breezy p.
19	·89	·85	38·3	42·7	36·2	46·0	1·0	1·7	·211	·237	92	86	WSW 1	WNW 2	10	10	·240	└ a.
20	·85	29·92	40·9	36·4	34·2	44·3	1·0	0·5	·235	·206	92	96	Calm 0	Calm 0	7	10	·005	Very clear and sunny p. ≋ in even-
21	29·95	30·08	37·7	38·1	34·1	45·5	0·4	3·1	·218	·172	97	74	Calm 0	NbyE 1	10	10	—	≋ a. ⌒ 4p. [ing.
22	30·15	·11	38·3	34·5	33·7	42·2	3·2	1·3	·172	·174	74	86	NbyE 1	WbyS 1	9	4	—	
23	·10	·10	36·1	37·3	30·8	39·5	1·6	0·8	·183	·207	86	94	Calm 0	Calm 0	10	10	—	Overcast and gloomy.
24	·09	30·10	42·0	42·5	36·5	44·4	1·8	1·0	·229	·250	86	92	WNW 1	WSW 1	7	10	—	Dull and overcast.
25	30·04	29·94	42·3	44·9	40·9	45·0	1·3	1·7	·242	·259	90	88	SW 1	WbyN 4	10	10	·180	Overcast and threatening. Squally p.
26	29·95	29·99	45·0	41·8	41·0	45·9	0·8	3·1	·280	·204	94	78	WbyS 3	NWb.N 2	10	2	·075	● a. Overcast a. and p. Clear even-
27	30·22	30·10	28·2	35·9	27·7	41·8	1·0	2·3	·124	·170	81	81	Calm 0	Calm 0	0	10	·072	└ a. Fine and sunny. [ing.
28	29·95	29·76	41·0	43·9	32·6	45·9	0·1	1·5	·255	·254	99	88	WSW 1	SWbyS 2	10	10	·259	●⁰ a. Overcast.
29	·21	·60	45·9	38·7	36·3	46·9	1·2	2·3	·283	·191	93	82	SSW 5	W 1	10	4	·681	Overcast and squally a.
30	·29	·46	42·7	42·8	34·2	47·8	0·8	2·4	·257	·225	93	82	SWb.W 3	WNW 3	10	3	·171	Squally a. Overcast with ● a. and p.
31	29·39	29·36	46·1	49·2	41·3	49·9	0·5	0·4	·300	·340	96	98	SWb.W 4	W 3	10	10	·500	●² a. Overcast and gloomy. Squally [↙ p.
Mean	29·747	29·754	38·6	39·1	34·8	42·5	1·4	1·8	·209	·206	88·0	85·7	1·2	1·2	9·1	8·5	2·560	

HILLINGTON.—JANUARY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·09	30·23	25·9	29·9	24·2	38·0	0·2	0·4	·133	·154	95	94	SW 0·5	SE 0·5	2	0	·018	└² a. and p. Fine and sunny.
2	·37	·53	32·1	32·9	25·0	36·8	0·5	0·2	·170	·183	94	98	SE 0·5	NE 0·5	10	4	·010	└² a. and p. Cloudy all day.
3	·62	·63	30·7	24·9	24·2	33·8	0·0	0·1	·172	·130	100	98	NW 0·5	W 0·5	10	10	·008	└² a. and p. ≋ all day.
4	·54	·43	24·9	27·3	21·7	31·2	0·2	0·0	·127	·149	95	100	W 0·5	SW 2	5	10	·006	└² a. and p. ≋ p.
5	·31	30·12	22·7	21·0	20·7	27·4	0·1	0·2	·118	·105	97	94	SW 0·5	SW 0·5	10	10	·005	└² a. and p. ≋ all day.
6	30·01	29·89	16·9	22·1	14·6	25·2	0·2	0·3	·086	·107	93	91	SW 0·5	SW 1	2	10	·004	└² a. and p. Fine and sunny a. ∞
7	29·90	·92	27·2	24·8	20·2	31·3	0·2	0·2	·142	·126	96	95	SW 0·5	SW 0·5	10	0	·008	└² a. ≋⁰ (mist) all day. [2p. ≋
8	·83	·66	34·5	38·9	23·6	38·9	0·7	0·6	·186	·225	93	95	SE 2	SE 3	10	10	·008	└ till 11a.
9	·41	·24	41·5	41·1	36·4	46·2	0·7	1·2	·246	·231	95	90	S 4	S 4	9	10	·022	Fair and breezy.
10	·28	·49	39·1	39·1	39·0	42·3	0·4	0·4	·231	·231	97	97	E 1	E 0·5	10	10	·085	Overcast, with ●⁰.
11	·67	·43	30·0	34·6	27·5	39·3	0·3	0·9	·158	·182	95	91	E 0·5	E 1	8	1	·140	└² a.
12	·39	29·61	33·0	33·5	31·8	35·6	0·3	0·7	·182	·176	97	93	E 1	E 0·5	10	10	·183	●² 4a. ✳ 9a.—2p.
13	29·85	30·02	37·1	38·0	33·1	39·2	0·5	0·4	·211	·221	95	96	NE 1	NE 0·5	10	10	·040	Overcast and gloomy. ● 2p.
14	30·11	30·14	34·2	35·3	34·2	38·4	0·3	0·5	·191	·196	97	95	NW 0·5	E 0·5	10	10	·007	Overcast. ●⁰ p.
15	30·09	29·94	34·2	33·6	33·2	36·1	1·1	0·9	·174	·174	88	90	SSE 1	SE 1	10	10	—	Overcast, damp, and chilly.
16	29·86	29·97	31·8	32·2	31·4	34·2	1·4	1·5	·148	·150	82	81	SSE 2	SSE 1	10	10	—	Overcast, damp, and chilly.
17	30·14	30·26	33·8	36·5	31·4	41·3	1·1	0·1	·172	·214	88	99	SSW 1	SW 0·5	10	10	—	Overcast a. ≋ 6p. ≋⁰ (mist) later.
18	·24	·10	41·8	46·9	33·7	48·4	1·4	1·2	·235	·293	89	92	SW 5	SW 4	9	10	·002	Cloudy all day.
19	·20	·14	34·8	40·1	33·6	47·6	2·0	1·3	·164	·221	80	89	SW 1	NW 4	1	0	·037	└ a. Fine and sunny. Ψ 8p.
20	·10	·19	37·6	28·8	28·4	42·3	0·2	0·2	·221	·152	99	96	W 0·5	NE 0·5	10	0	·004	● ≋⁰ (mist) a., then fine and sunny.
21	·19	·24	29·6	39·0	26·9	41·0	0·0	2·3	·164	·193	100	82	W 0·5	NE 4	10	4	·098	└² ≋ ●⁰ a. Clear p. ≋ 10p. [Ψ
22	·33	·44	36·3	37·4	35·8	41·3	0·9	0·9	·196	·205	92	92	NE 1	N 1	8	3	·005	Ψ in past n. Ψ p.
23	·37	·35	29·7	30·6	29·0	41·7	0·3	0·1	·156	·168	95	99	SE 0·5	NW 0·5	10	0	·004	└ ≋ a. Fine and sunny later. └ p.
24	·36	·36	33·4	40·1	28·9	41·4	0·0	0·4	·191	·239	100	97	SW 0·5	NW 1	10	10	·003	≋ a. Overcast all day. ≋⁰ (mist)
25	·30	·22	41·5	43·1	34·4	44·5	0·8	1·6	·244	·243	94	87	NW 2	NW 2	10	10	—	Overcast all day [6p.
26	·23	·21	38·4	41·9	35·1	46·7	0·7	0·7	·218	·250	94	95	SW 2	NW 4	9	10	·022	
27	·48	·47	30·9	30·0	29·6	42·7	0·3	0·4	·166	·155	96	93	N 0·5	W 1	4	0	·002	└ a. and p. Fine and sunny.
28	30·31	30·16	38·1	43·7	29·7	47·9	0·6	1·1	·218	·260	95	91	SW 3	SW 5	9	10	·008	Fine sunset.
29	29·74	29·87	45·0	35·8	35·7	48·4	1·3	1·9	·268	·174	90	83	SW 5	NW 2	10	0	·057	
30	·75	·71	35·2	43·5	29·7	47·4	0·8	0·8	·188	·265	92	94	SW 2	S 1	10	0	·020	└ early a. ●⁰ later.
31	29·72	29·65	44·5	52·8	36·6	52·8	1·2	1·6	·267	·356	91	88	SW 3	SW 4	6	10	·010	Mild day.
Means	30·057	30·052	33·8	35·5	29·7	40·3	0·6	0·7	·185	·198	93·7	92·7	1·4	1·7	8·5	6·5	0·816	

CHURCHSTOKE.—JANUARY 1889.

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

1	29·57	29·75	35·9	35·1	32·2	37·5	1·0	0·2	·190	·200	91	98	E 1	NE 1	10	10	—	Cold, raw, and threatening. ≋ p.
2	29·92	30·08	35·7	29·9	29·5	37·2	0·8	0·0	·193	·166	93	100	Calm 0	NW 1	10	10	—	Raw, with ≋² (mist). └ p.
3	30·14	30·10	27·7	26·4	22·8	38·2	0·7	0·4	·129	·129	86	92	NW 1	NW 1	10	0	—	≋⁰ (mist) a. Very raw. └
4	30·05	29·91	25·0	26·3	22·3	39·2	1·0	0·3	·100	·132	74	94	NW 1	Calm 0	0	10	—	Very sharp. └. ≋⁰ (mist) 9p.
5	29·79	·62	27·0	19·4	16·2	30·0	0·7	0·4	·124	·090	85	87	Calm 0	NW 1	10	0	—	≋² (mist) a. └
6	·49	·41	23·3	31·9	14·4	33·8	0·3	1·0	·114	·157	92	87	E 1	W 1	0	10	—	└ ≋⁰ (mist) a. Very sharp.
7	·41	29·31	30·4	36·1	23·8	38·2	0·5	1·2	·155	·188	92	89	SE 1	SE 1	8	2	—	└
8	29·13	28·92	38·8	44·0	32·0	44·3	0·9	0·1	·218	·286	93	99	SE 2	SSE 3	10	10	·136	Dull, with squally bitter wind.
9	28·56	28·69	43·8	35·7	34·8	45·5	0·9	0·8	·265	·193	93	93	SE 4	SW 1	10	10	·130	Stormy.
10	·94	29·11	35·9	33·1	32·0	44·5	1·5	1·2	·182	·163	87	87	W 1	W 1	2	2	—	Squally.
11	·98	28·83	36·3	34·1	32·1	39·8	1·4	1·4	·186	·168	88	85	ESE 1	SE 2	10	8	—	Cold wind.
12	28·94	29·22	34·9	35·9	33·0	36·0	1·0	1·0	·183	·192	90	91	NE 3	NE 2	10	10	—	Bitter wind.
13	29·45	·60	37·1	36·7	34·6	38·1	1·2	1·8	·197	·182	89	84	NNE 2	W 1	10	10	—	Dull and cold.
14	·65	·61	35·9	35·7	34·0	37·5	0·8	2·0	·194	·172	93	82	W 1	SE 1	10	10	—	Raw, with ≋⁰ (mist).
15	·52	·29	35·1	34·9	34·0	37·0	1·7	1·0	·172	·183	83	90	E 1	E 2	10	10	—	Cold wind.
16	·25	·44	34·4	35·9	33·0	37·2	1·0	0·8	·178	·194	89	93	SE 2	SE 1	10	10	·032	Cold wind.
17	·67	·75	38·1	44·6	29·4	48·9	1·2	1·7	·205	·256	89	87	SE 1	SW 1	5		—	Bright day.
18	·74	·72	51·9	46·2	43·0	55·0	1·9	1·3	·336	·283	87	91	W 3	W 2	10	10	·034	Mild.
19	·78	·70	39·7	43·3	32·0	47·3	1·6	1·4	·212	·249	87	89	W 1	W 2	5	10	·020	Fine and bright.
20	·66	·75	45·6	34·9	32·6	46·0	1·1	1·0	·279	·182	92	90	NW 2	NW 1	9	6	·030	
21	·73	·88	43·0	35·7	34·0	45·6	1·1	1·8	·253	·175	91	83	W 1	NE 2	9	2	—	
22	·93	·93	37·3	32·7	31·8	39·0	2·4	0·8	·177	·168	80	91	NE 2	W 2	9	4	·010	Cold wind.
23	·91	·92	36·3	40·8	30·4	41·6	0·4	1·9	·206	·216	96	85	W 1	W 1	10	10	—	Cloudy, with ≋⁰ (mist).
24	·92	·93	42·6	41·8	40·0	45·1	1·7	0·9	·236	·246	86	93	W 1	W 1	10	10	—	Mild day.
25	·88	·83	42·8	43·8	39·2	46·1	1·5	1·9	·242	·243	88	85	W 1	W 1	10	10	—	Dull and mild.
26	·84	·84	45·2	43·8	42·0	48·1	2·3	1·5	·250	·252	83	88	W 1	WNW 2	10	10	—	Dull day.
27	·94	·99	27·9	38·3	24·2	44·1	0·9	1·4	·125	·204	82	88	NNW 1	SE 2	0	10	—	∞ 9a. Day bright.
28	·81	·62	42·6	42·8	37·0	49·1	0·9	1·5	·253	·242	93	88	W 1	SW 2	9	5	·040	Cloudy, threatening, and warm.
29	·10	·46	47·2	33·5	32·0	51·1	0·9	1·0	·303	·170	94	90	SW 6	NW 2	10	0	·090	Bright, with ↙.
30	·21	·33	45·8	46·6	31·0	48·3	0·9	2·1	·287	·269	93	86	SW 4	SW 3	10	4	·150	Stormy.
31	29·27	29·26	49·3	50·4	44·2	53·1	2·4	0·8	·292	·345	83	94	SW 5	SW 2	8	10	·040	Bright, with ↙.
Means	29·554	29·573	37·8	37·1	31·7	42·7	1·2	1·1	·208	·203	88·5	89·6	1·7	1·5	8·2	7·5	0·712	

CARMARTHEN.—JANUARY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·96	30·14	38·1	40·1	36·4	41·5	0·3	0·6	·224	·235	97	95	E 1	E 1	10	10	—	Dull all day.
2	30·31	·45	39·9	33·2	31·3	48·4	1·4	0·6	·218	·176	89	94	N 1	N 2	8	0	—	Fine day. ⌣ 9p.
3	·53	·50	31·4	26·9	25·6	40·5	1·0	0·6	·152	·126	87	87	N 1	Calm 0	3	0	—	⌣ 2. Fine day.
4	·47	·32	28·9	32·9	24·3	33·5	0·2	0·9	·153	·168	97	90	Calm 0	Calm 0	10	10	—	≋ 9a. Overcast all day.
5	30·18	30·01	30·6	29·9	28·8	33·6	0·4	0·3	·160	·157	94	95	Calm 0	Calm 0	10	10	—	Overcast all day.
6	29·89	29·77	31·4	34·4	28·3	35·6	0·6	0·5	·162	·188	92	95	Calm 0	E 1	10	10	·020	Overcast all day.
7	·76	·66	35·1	41·9	32·5	42·2	0·5	1·4	·194	·236	95	90	E 1	Calm 0	10	10	·220	Overcast, with ● showers all day.
8	·44	·26	45·1	46·8	40·2	48·2	2·1	0·5	·253	·307	84	96	SW 5	S 5	10	10	·220	Overcast, with ● showers. Squally n.
9	·12	·07	44·6	39·2	38·4	48·1	3·4	1·4	·222	·212	75	88	W 6	NW 1	0	8	·350	Frequent ● showers.
10	·39	·47	41·9	38·6	36·9	46·3	2·4	1·1	·216	·213	83	91	NW 2	N 2	8	8	·070	Frequent ● showers. ▲ 7.30p.
11	·44	·12	31·9	38·1	26·3	39·3	0·6	2·3	·166	·186	92	80	Calm 0	SE 2	7	10	·010	Dull day.
12	·32	·54	37·1	38·1	33·5	39·5	3·3	3·5	·160	·166	73	72	N 1	NE 4	0	10	—	Dull and cold.
13	29·86	·98	39·9	39·9	37·5	42·2	2·8	3·3	·192	·183	78	74	N 2	NE 1	10	10	—	Overcast all day.
14	30·02	·97	37·9	37·9	36·6	41·4	1·8	2·7	·192	·177	85	78	Calm 0	SE 1	10	10	—	Overcast all day.
15	29·86	·63	38·9	39·2	36·4	40·5	2·5	1·4	·188	·212	81	88	SE 1	SE 2	10	10	—	Overcast all day.
16	29·62	29·79	39·3	38·7	37·5	41·1	1·8	0·5	·204	·225	86	96	SE 2	Calm 0	10	10	·070	Overcast all day.
17	30·08	30·16	31·2	45·4	29·3	45·9	0·3	0·8	·168	·285	96	94	Calm 0	SW 1	10	10	·010	≋ all day.
18	·20	·11	48·8	48·0	44·7	49·8	1·0	1·6	·319	·295	93	89	SW 1	NW 2	10	10	·060	Dull day.
19	·21	·12	40·9	42·9	33·5	50·2	2·2	1·2	·211	·250	83	91	W 1	W 1	0	7	·160	Day fair.
20	·07	·13	47·4	43·2	42·2	49·8	1·3	0·9	·296	·259	91	92	N 1	N 1	10	7	·030	Day fair.
21	·13	·23	46·8	39·9	39·3	51·2	2·1	3·0	·271	·188	85	76	N 2	N 2	7	0	—	Day fair.
22	·33	·31	38·9	33·9	33·8	44·2	3·3	1·3	·175	·169	75	86	N 1	Calm 0	6	0	—	Day fair.
23	·32	·31	34·6	43·7	28·9	44·0	1·0	2·0	·181	·240	90	84	Calm 0	Calm 0	10	10	—	Overcast all day.
24	·33	·33	45·0	42·7	42·2	46·1	1·8	1·4	·258	·243	86	88	N 1	Calm 0	10	10	—	Overcast all day.
25	·31	·24	44·3	45·6	42·2	46·5	1·6	1·8	·255	·265	88	87	W 1	Calm 0	10	7	—	Overcast all day.
26	·26	·24	45·2	47·3	44·6	48·4	1·0	1·4	·277	·292	93	90	W 1	W 1	10	10	—	Dull day.
27	·38	·33	36·9	41·4	36·1	48·0	3·0	0·9	·164	·241	75	93	E 1	E 1	6	10	·150	Fair a. ● showers p.
28	30·21	30·00	44·1	44·8	41·0	49·0	0·6	0·8	·275	·278	95	94	Calm 0	SW 1	7	10	·620	Frequent ● showers.
29	29·53	29·91	48·6	35·9	35·4	51·0	0·4	1·4	·333	·184	97	88	SW 6	Calm 0	10	0	·150	Squally, with ● a. Fair p.
30	·70	·77	46·1	47·8	32·6	51·5	0·8	2·3	·293	·277	94	84	SW 4	SW 1	10	6	·130	Dull, with ● showers.
31	29·76	29·68	48·0	50·9	45·5	51·6	0·6	0·5	·312	·360	96	97	W 3	W 2	10	10	·120	Dull, with frequent ● showers.
Mean	29·967	29·953	40·0	40·3	35·5	44·8	1·5	1·4	·221	·226	87·9	88·5	1·5	1·1	8·1	7·8	2·390	

MARGATE.—JANUARY 1889.

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

1	30·01	30·19	37·0	36·8	30·8	41·2	1·2	0·1	·196	·217	89	99	Calm 0	NE 2	7	0	—	Cold day.
2	·28	·49	39·7	39·1	33·0	41·0	2·7	2·8	·192	·185	78	78	N 1	E 4	4	10	—	Cold day.
3	·60	·61	38·0	38·0	36·8	40·5	2·2	2·4	·186	·184	81	80	E 3	E 3	10	10	—	Dull day.
4	·58	·48	37·6	29·5	29·0	38·8	1·6	0·5	·194	·149	86	92	Calm 0	Calm 0	10	0	—	⌣ at night.
5	·30	30·16	27·6	28·8	24·8	32·7	1·3	0·0	·111	·158	75	100	Calm 0	Calm 0	10	10	—	≋ ⌣
6	30·02	29·93	28·8	27·3	25·1	32·5	0·1	0·1	·156	·146	99	98	Calm 0	Calm 0	10	10	—	≋ ⌣ 2
7	29·95	·99	26·0	37·1	25·3	37·1	0·0	1·5	·141	·192	100	87	E 1	W 2	3	10	·030	≋ a. Clear p.
8	·89	·74	36·8	42·0	34·7	42·8	0·4	1·0	·210	·244	97	92	S 1	S 2	6	0	—	Fine day.
9	·54	·37	43·0	42·7	39·0	46·7	1·0	0·7	·255	·258	92	94	S 4	SW 3	8	10	·070	Day mild. ● 0 ⊔
10	·22	·48	39·0	38·1	37·0	43·0	0·3	0·2	·231	·225	98	98	NW 2	S 1	10	10	·080	Dull, with ● showers.
11	·58	·42	40·6	36·8	35·0	41·0	2·7	1·6	·199	·186	79	87	E 3	E 1	2	10	·030	Fine day.
12	·30	·52	38·0	38·8	34·6	40·8	1·8	2·1	·193	·196	85	83	E 2	E 3	10	10	—	Milder.
13	29·79	29·97	39·4	40·7	37·5	41·8	2·1	1·4	·200	·225	83	88	NE 3	NNE 2	10	10	·010	Dull day.
14	30·05	30·12	40·8	39·8	37·0	41·0	1·8	1·6	·218	·196	86	87	NE 2	NE 2	10	10	·020	Dull day. ● 0
15	30·10	29·97	35·8	33·0	32·1	38·7	1·5	1·2	·182	·162	87	87	E 1	E 2	10	10	—	Dull and cold.
16	29·88	30·00	31·8	32·1	30·2	33·4	0·8	0·9	·160	·160	90	89	SE 1	SE 1	10	10	—	Dull and cold.
17	30·19	·35	33·8	35·2	32·1	36·8	1·0	0·1	·174	·204	89	99	SE 1	N 1	10	10	·010	Dull and cold. ≋ p.
18	·36	·21	37·9	46·0	31·0	50·0	0·6	1·1	·216	·285	95	92	SSW 3	SW 3	7	10	—	Milder.
19	·25	·20	40·0	40·7	38·1	47·4	1·0	1·9	·226	·215	92	85	W 1	SW 3	0	2	·020	Bright and sunny.
20	·13	·19	40·6	40·1	38·9	41·8	0·6	0·8	·239	·231	95	93	W 1	SW 1	10	0	·130	● 2 a. Finer later.
21	·16	·17	33·8	41·5	32·9	42·0	0·0	1·7	·194	·225	100	87	W 1	W 3	10	8	·080	≋ a. ▲ 4.30 p.
22	·20	·35	40·1	39·6	36·8	42·0	0·9	0·6	·229	·231	93	95	W 2	NW 1	10	10	·110	● showers. Bright at times.
23	·36	·39	39·7	34·0	33·2	41·8	1·2	0·0	·220	·196	90	100	N 1	S 2	8	10	·010	Bright and clear. ≋ later.
24	·38	·29	35·8	40·1	33·1	40·6	0·3	0·1	·204	·246	98	99	N 1	Calm 0	10	10	—	≋ 0 at times.
25	·36	·19	40·8	41·7	39·0	41·8	0·9	1·3	·236	·236	93	90	W 3	SW 3	10	10	—	Dull day.
26	·29	·14	43·0	44·9	40·2	49·0	2·0	2·0	·234	·253	84	85	W 3	W 4	0	10	—	⌓ 0 before 9a. Very fine.
27	·48	·45	38·3	34·2	31·6	44·9	1·2	0·3	·207	·191	90	97	N 2	NE 1	3	0	—	⌓ 0 ⌣. Bright and sunny.
28	30·44	30·28	40·2	44·0	31·2	49·0	0·1	0·9	·247	·267	99	93	SW 3	W 3	10	10	·010	⌣ a. Bright and sunny.
29	29·92	29·90	44·7	41·9	41·6	46·6	2·0	2·2	·251	·220	85	84	W 6	SW 1	10	0	·160	Fine a. ● in afternoon.
30	·91	·76	35·8	46·4	33·6	47·0	0·1	0·7	·208	·298	99	95	SW 3	SSW 2	10	8	·020	⌣ 0. ● in afternoon.
31	29·84	29·69	44·0	52·7	36·0	53·8	1·3	1·7	·259	·352	90	88	SW 4	SW 4	10	0	—	Very mild at night.
Mean	30·075	30·064	37·7	38·8	33·9	42·2	1·1	1·1	·205	·217	90·2	91·0	1·9	1·9	8·0	7·4	0·790	

SOUTHAMPTON.—JANUARY 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction + ·016.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·10	30·20	29·2	32·5	28·4	40·4	0·0	0·6	·161	·173	100	94	NE 1	NE 2	0	0	—	⌣ ≋ a. Beautiful day. ⌣ n.
2	·36	·53	29·7	33·6	29·2	38·5	0·0	0·8	·165	·176	100	91	NNE 1·5	NE 1	1	0	—	⌣ a. and n. Beautiful day.
3	·61	·63	34·0	35·6	31·4	37·4	0·8	1·8	·180	·176	91	84	NE 1	E 1·5	10	10	—	≋ 0 a.
4	·61	·49	33·4	31·0	30·5	36·7	0·7	0·7	·177	·156	92	89	NNE 0·5	NE 1	10	10	—	Dull, cold, and dry. [9p.
5	·37	30·17	29·3	24·4	24·4	31·9	0·2	0·0	·157	·131	97	100	NE 0·5	NW 0·5	10	10	—	Very raw, cold, and dull all day. ≋ 0
6	30·06	29·94	24·1	27·8	20·7	31·9	0·0	0·1	·130	·149	100	98	NE 0·5	NE 0·5	10	9	—	Very cold, with ⌣ 2 all day.
7	29·96	·95	30·5	36·2	27·6	41·4	0·3	0·8	·162	·199	96	93	NE 0·5	SE 1	9	0	·014	⌣ ≋ 0 a. and n. Fine p.
8	·78	·61	41·3	46·7	36·2	47·4	0·9	2·1	·241	·270	93	85	SE 1	SE 3	10	10	·033	Fine and mild.
9	·43	·20	47·2	42·7	42·2	50·2	1·8	0·7	·282	·259	88	94	SW 4	SW 2	9	10	·400	● 9a. and 5p.—9.30p.
10	·37	·52	39·8	37·7	37·2	45·0	1·7	1·7	·211	·193	87	85	NW 4	NW 3	10	7	·004	
11	·61	·36	33·2	36·1	32·5	44·4	0·8	1·2	·173	·190	91	89	NE 1	E 2	0	10	—	⌣ 2 a. Beautiful day.
12	·35	29·58	32·3	34·2	31·6	37·7	0·9	0·7	·163	·184	89	93	NE 1	NE 3	3	10	·048	● and ✳ ● (sleet) p.
13	29·86	30·04	36·6	38·6	31·5	39·5	0·9	0·8	·199	·219	92	94	N 2	N 2	10	10	—	Dull and raw cold.
14	30·13	30·14	37·8	37·9	37·3	40·5	0·7	1·7	·212	·195	94	86	Calm 0	Calm 0	10	10	—	Dull all day.
15	30·10	29·94	36·1	36·6	35·6	39·3	1·3	1·1	·188	·196	88	91	ENE 0·5	SE 2	10	10	—	≋ 0 in evening.
16	29·84	29·99	36·0	36·7	35·3	38·7	1·5	2·0	·184	·181	87	83	SE 2	SSE 1	10	10	—	≋ 0 a. and p.
17	30·19	30·37	38·7	35·9	35·3	43·7	0·7	0·3	·221	·205	94	97	ENE 1	Calm 0	10	10	—	≋ 0 a. ≋ 2 in evening.
18	·39	·30	37·9	45·0	33·1	52·3	0·1	0·8	·225	·280	99	94	SW 1	NW 1	9	10	—	≋ a. Day fine and bright.
19	·31	·28	37·8	38·2	37·6	51·8	0·9	0·7	·210	·216	93	95	NW 1	WNW 1	2	2	·015	Beautiful day throughout.
20	·16	·24	42·9	37·0	37·0	48·6	0·4	0·5	·267	·210	97	96	SW 0·5	NNE 1	10	0	·010	Dull, with ≋ 9 ● a. Fine evening.
21	·24	·26	32·6	39·9	29·2	43·6	0·2	1·3	·182	·220	98	90	NNW 1	NNE 3	10	0	·012	Dull, with ≋ 2 ⌣ a.
22	·34	·39	37·4	38·0	35·0	41·6	1·4	1·4	·196	·201	88	88	NNE 3	NNE 1	5	0	—	Fine day throughout.
23	·42	·43	33·9	33·0	32·6	41·9	0·6	0·2	·183	·183	93	97	NE 0·2	NW 1	10	0	—	⌣ a. and p. Beautiful day. ≋ 0 9p.
24	·42	·44	40·0	43·1	31·0	45·7	0·2	1·2	·243	·252	98	90	Calm 0	NNE 0·5	10	10	—	≋ 0 a. ⌓ 0 n.
25	·43	·36	41·8	43·4	40·8	44·7	1·4	1·6	·236	·247	89	87	NW 1	WNW 2	10	10	—	Dull and mild.
26	·39	·34	43·5	45·4	41·7	48·0	1·7	1·2	·246	·276	86	92	WSW 1	WSW 1·5	10	0	—	Dull and mild.
27	·53	·53	35·3	37·9	34·7	46·8	0·5	1·7	·197	·195	96	86	Calm 0	Calm 0	2	10	·016	Beautiful day throughout.
28	30·42	30·26	42·6	45·1	37·6	50·4	0·5	0·8	·262	·281	96	93	WSW 0·5	Calm 0	8	10	·044	Fine a. ● p.
29	29·89	29·96	46·0	39·9	39·9	50·1	1·7	2·3	·272	·201	88	82	SW 4	NW 2	10	2	·176	● till 4p., then fine.
30	·95	·88	40·4	46·7	32·9	48·8	1·0	0·9	·230	·298	92	94	SW 1	W 2	10	3	·041	Fine a. ● 2p.—5p. Fine evening.
31	29·92	29·84	48·2	52·8	43·2	53·6	0·7	1·1	·320	·369	96	92	WSW 1	SW 3	10	10	—	Fine and mild.
Mean	30·114	30·102	37·1	38·4	34·0	43·6	0·8	1·1	·209	·216	93·2	91·0	1·2	1·4	8·0	6·5	0·813	

BABBACOMBE.—JANUARY 1889.

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

1	29·82	29·95	41·1	38·1	38·1	45·8	0·6	1·2	·244	·206	95	89	NE 2	NNE 2	6	1	—	⌓ ≋ 0 (mist) from 8p.
2	30·11	30·28	36·2	36·5	34·5	41·2	1·3	1·4	·188	·186	88	88	NE 3	NNE 3	1	0	—	⌣ n. Very fine day. ⌣ ⌓ 0 p.
3	·36	·36	37·6	37·7	35·2	39·9	1·7	1·8	·193	·192	85	84	ENE 3	E 2	10	10	—	Dull day. ≋ 0 (mist).
4	·33	30·22	36·2	32·9	32·8	37·9	1·0	0·8	·193	·170	91	91	N 1	N 1	10	10	—	Dull day. ≋ 0 (mist).
5	30·08	29·89	31·2	36·3	30·7	38·2	0·0	0·1	·175	·213	100	99	NNW 1	Calm 0	10	10	—	≋ till noon. ≋ 0 (mist) ⌓ 2 p.
6	29·77	·68	35·8	38·0	35·0	43·1	0·6	1·0	·198	·208	95	91	ENE 1	W 1	5	10	—	⌣ n. ⌓ 2 a. ⌓ 0 p. ≋ 0 (mist)
7	·69	·63	42·9	44·1	37·4	46·1	1·9	2·1	·235	·242	85	83	SW 2	SSE 3	8	1	—	≋ 0 (mist) a. and p. [all day.
8	·42	·23	46·2	48·0	43·3	48·0	0·8	0·9	·294	·312	95	94	SSE 6	S 5	10	10	·270	Day dull and gloomy. [all day. ▲ 8 p.
9	·16	·02	44·1	37·8	37·4	50·5	2·2	1·0	·240	·207	82	91	WSW 5	WNW 3	9	9	·290	⌿ (gale) from SSW., 5a. ● showers
10	·26	·38	40·5	37·7	35·2	47·0	3·4	1·7	·186	·193	74	85	NW 4	WNW 2	1	3	·010	● ✳ 0 n. ⌣ p. ⌓ 0 8p.
11	·34	·04	40·1	42·5	32·7	42·8	1·1	2·7	·225	·216	91	81	E 2	SE 4	10	10	·080	⌣ 2 n. Dull from 1p.
12	·10	·38	36·3	36·6	35·3	42·5	1·3	1·7	·188	·184	89	85	NE 3	NNE 4	6	9	·010	≋ 0 (mist) a. Dull and gloomy p.
13	·65	·83	38·9	39·6	35·0	39·8	1·6	1·4	·205	·215	87	89	NNE 3	NE 3	10	10	—	Dull day. ≋ 0 (mist) p.
14	·89	·89	39·3	37·7	37·3	39·7	1·7	2·0	·207	·188	87	83	N 2	NW 1	10	10	—	Dull day. ≋ 0 (mist).
15	·80	·61	40·8	42·8	37·1	42·8	2·0	2·3	·214	·226	84	83	SE 1	SE 3	10	10	—	Dull day. Gloomy p.
16	·51	29·70	40·7	40·6	39·1	42·8	1·1	1·3	·231	·226	91	89	SE 3	SSW 2	10	10	—	Dull and gloomy. ≋ 0 (mist).
17	29·96	30·11	42·0	40·1	39·1	52·6	1·0	0·7	·245	·233	92	94	NW 2	SW 2	1	1	—	⌣ 0 n. ≋ 0 (mist) ⌓ 2 a. and p.
18	30·14	·05	45·0	47·2	38·6	53·8	0·7	1·0	·283	·301	94	93	WSW 4	WSW 4	3	8	—	≋ 0 (mist) ⌓ 2 a. and p.
19	30·11	·07	38·5	43·1	38·3	51·3	0·5	1·3	·223	·249	96	89	W 2	NW 2	1	9	—	⌓ 2 n. ≋ 0 (mist) ⌣ 0 a. ⌓ p.
20	29·94	·02	46·2	42·5	42·3	52·5	0·4	2·6	·303	·218	98	81	NNW 5	NNE 3	8	1	—	≋ 0 (mist) a. Sky green in NE. 2p.
21	30·00	·04	44·0	43·0	35·3	46·8	1·1	2·6	·263	·223	91	80	N 2	NNE 4	8	6	—	⌓ 2 n. ≋ 0 (mist) a. Sky green p.
22	·11	·15	38·8	39·0	37·8	43·0	1·9	2·1	·199	·196	84	85	NE 4	NNE 4	10	10	—	Day dull. ≋ 0 (mist).
23	·17	·19	37·9	41·8	36·3	46·4	1·9	2·1	·191	·221	84	84	NE 2	NNE 1	1	10	—	≋ 0 (mist) a. and p. Dull p.
24	·21	·21	40·8	42·4	40·0	43·0	1·0	1·5	·233	·238	92	88	NE 1	N 2	10	10	—	Dull day, with ≋ 0 (mist).
25	·21	·15	41·9	43·1	40·7	44·9	1·0	1·3	·244	·249	92	89	NW 1	NW 1	10	10	—	Day dull.
26	·17	·15	45·2	45·0	42·6	47·5	1·9	1·9	·258	·256	86	86	NW 1	W 1	10	7	—	Dull till 3p.
27	·26	30·23	42·0	44·9	41·5	45·9	3·0	0·3	·206	·292	78	98	E 3	WSW 2	10	10	·050	Day dull. ≋ 0 (mist) 11a.—1p.
28	30·16	29·97	45·0	45·3	39·5	51·4	0·5	0·4	·287	·293	96	97	WSW 2	SW 3	8	10	·120	≋ 0 (mist) a. ⊕ 3p.
29	29·57	·76	47·9	40·8	40·4	51·2	0·2	2·8	·329	·199	99	78	SSW 6	NNW 3	10	5	·220	Dull and gloomy a. Sky green in NE.
30	·71	·69	44·1	47·2	34·5	49·9	1·9	1·7	·247	·284	85	89	W 5	WNW 3	9	3	·010	Dull day. [3p.
31	29·71	29·64	48·3	51·9	45·3	53·2	1·3	1·0	·306	·360	91	93	W 4	WNW 5	6	5	·010	
Mean	29·862	29·855	41·1	41·4	37·7	45·9	1·3	1·5	·233	·232	89·6	88·0	2·7	2·5	7·5	7·4	1·070	

LONDONDERRY.—JANUARY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·15	30·31	32·6	30·2	29·0	40·0	0·8	0·5	·169	·156	91	92	NE 2	SE 2	2	0	—	Fine all day. ≋ in evening.
2	·44	·53	28·2	33·7	27·0	34·7	0·6	0·5	·137	·184	89	94	S 2	SW 1	0	0	·010	≋ during day.
3	·48	·46	36·7	42·2	33·0	43·1	1·0	1·8	·198	·231	91	86	SW 2	SW 2	2	10	—	
4	·40	30·26	41·7	41·2	39·0	43·7	2·0	1·8	·223	·221	85	86	SW 2	SW 3	10	9	—	
5	30·10	29·92	39·2	42·7	38·0	43·5	1·5	1·9	·210	·233	88	85	SW 2	SW 2	2	0	·070	
6	29·94	·89	37·9	30·7	29·3	44·0	0·3	0·8	·221	·151	97	88	NW 1	NW 2	9	0	·050	Fine all day. ≋ in evening.
7	·76	·53	36·0	44·7	27·0	45·0	2·8	3·1	·161	·228	76	78	SE 2	SW 2	10	10	·200	● at night.
8	·31	·24	47·2	46·2	43·5	48·5	2·5	1·5	·266	·278	83	90	S 3	SW 2	10	8	·010	● 0 from noon.
9	·09	·25	36·6	39·7	35·2	46·5	1·0	2·3	·197	·199	91	81	SW 1	NW 2	3	9	·330	● showers all day.
10	·46	·60	38·0	33·2	32·0	42·5	1·2	0·5	·204	·180	89	95	NNW 2	SW 1	6	0	·030	Fine all day.
11	·38	·22	39·2	37·5	32·0	41·5	1·5	1·3	·210	·199	88	89	SW 2	S 3	10	10	·340	● 2 during day.
12	29·58	29·88	37·7	34·0	32·0	39·9	1·0	0·8	·206	·180	91	91	E 2	SE 1	10	10	—	≋ 0 (mist).
13	30·04	30·10	32·8	31·9	31·0	38·0	0·9	1·2	·168	·153	90	84	WNW 1	NW 2	9	0	—	Fine all day.
14	30·00	29·86	39·7	41·7	31·6	42·4	3·1	1·6	·185	·230	75	88	SW 4	WSW 3	10	10	·030	☾ at night.
15	29·68	·57	46·7	46·4	41·7	48·0	2·4	1·1	·264	·289	83	92	SW 3	S 3	10	10	·230	● at times.
16	·57	·81	44·5	40·7	39·4	46·8	1·7	1·0	·255	·233	87	92	SE 2	WNW 2	10	4	·400	● till 6p.
17	·99	29·93	41·7	49·7	36·3	49·9	2·0	1·0	·223	·331	85	93	SW 2	SW 4	10	10	·060	≋ before 9a. ● till 6p.
18	29·90	30·13	52·4	40·9	39·6	52·6	1·4	2·6	·355	·203	90	79	SW 3	NW 1	10	0	·150	● till 4p.
19	30·18	·10	43·7	47·7	38·0	48·2	1·5	1·0	·251	·306	88	93	NW 2	NW 2	7	10	·160	● showers all day.
20	·25	·29	45·8	45·8	45·0	48·0	0·7	1·1	·291	·282	95	92	N 3	NW 1	9	10	·020	● 0 showers during day.
21	·40	·49	47·4	43·4	41·7	50·0	1·0	1·3	·303	·254	93	90	NW 2	NE 2	10	0	—	Fine all day.
22	·53	·47	41·0	43·9	37·0	44·3	0·3	0·3	·250	·280	98	98	SW 2	S 1	10	10	·050	● at night.
23	·46	·45	43·9	45·5	42·8	48·4	0·5	0·8	·275	·286	96	95	SSW 2	S 1	10	10	—	
24	·42	·38	43·1	45·7	42·6	47·8	0·5	1·0	·267	·284	96	93	SW 2	S 2	0	10	—	
25	·30	·24	47·1	47·3	45·0	50·0	1·4	1·6	·290	·287	90	89	SW 2	WSW 1	10	2	·040	
26	·22	·42	47·4	38·2	36·7	49·7	0·7	1·5	·310	·201	95	88	SW 3	NE 1	10	0	·070	Cloudy all day.
27	·45	30·26	32·4	43·7	30·5	44·0	0·7	1·3	·169	·256	92	89	Calm 0	W 2	1	0	—	Fine all day.
28	30·14	29·78	45·2	47·7	42·4	48·4	1·2	2·8	·273	·265	91	80	S 2	S 4	10	10	·370	
29	29·62	·77	43·0	41·7	38·0	48·0	4·4	2·0	·191	·223	69	85	SW 4	SW 3	3	10	·280	● at times.
30	·50	·74	48·4	47·7	39·8	50·2	1·8	1·6	·295	·291	87	89	NW 4	SW 3	10	10	·100	● showers.
31	29·58	29·68	50·9	49·5	46·8	53·1	1·1	1·7	·344	·311	93	89	SW 5	SW 2	10	10	·100	● at times.
Mean	29·977	29·985	41·6	41·8	36·9	45·8	1·4	1·4	·237	·239	88·8	88·8	2·3	2·0	7·5	6·2	3·100	

ARMAGH.—JANUARY 1889.

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

Day.	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.	Remarks.
1	30·03	30·17	31·1	30·6	30·0	42·5	0·2	0·0	·169	·171	97	100	SW 1	SW 0·5	8	6	—	⌊ a. ≋ from 9p.
2	·32	·42	26·3	28·8	25·2	33·2	0·1	0·0	·139	·159	98	100	SW 1	SW 1	10	0	·015	≋ till noon.
3	·42	·38	36·5	41·0	27·3	41·3	1·3	1·8	·191	·219	89	86	SSW 2	SSW 3	10	10	—	
4	·33	30·19	38·6	36·4	35·5	41·3	1·2	0·9	·211	·199	91	93	SSW 3	SSW 2	10	10	—	
5	30·03	29·85	36·4	39·8	32·3	41·8	1·5	1·7	·187	·211	87	87	SSW 2	S 2	2	6	—	
6	29·81	·77	38·8	34·9	34·3	41·0	0·0	0·0	·236	·203	100	100	SSW 1	SSW 0·5	10	10	—	≋ early a., and p.
7	·65	·43	38·3	44·8	31·7	45·3	1·0	2·2	·211	·248	92	84	SSE 2	SSE 4	10	10	·152	Overcast all day.
8	29·22	·15	46·6	46·0	43·7	48·5	1·4	1·2	·285	·283	90	92	SSE 5	S 2	10	10	·088	
9	28·97	·14	36·9	36·1	35·5	46·7	0·1	0·7	·217	·200	99	94	SW 1	WNW 1	10	10	·032	Overcast all day.
10	29·35	·48	37·6	31·2	30·9	43·5	0·7	0·1	·212	·173	94	99	W 1	WNW 1	8	7	—	
11	·29	·11	40·0	38·1	28·4	42·5	2·0	0·8	·207	·213	84	93	SSE 3	SE 4	10	10	760	
12	·41	·72	38·4	36·6	35·0	39·5	0·8	2·2	·216	·176	93	82	E 1	NE 1	10	10	—	Overcast all day.
13	·92	·98	35·6	34·9	33·1	39·5	1·4	1·9	·183	·165	87	81	NE 0·5	E 0·5	10	10	—	
14	·93	·79	39·0	40·8	33·1	42·9	2·3	1·7	·194	·219	82	87	S 1	S 4	4	10	—	
15	·62	·49	45·7	45·5	40·2	48·5	2·0	0·9	·262	·284	86	94	SSE 4	S 3	10	10	·170	
16	·45	·70	43·9	38·4	37·9	45·9	0·4	0·4	·278	·224	97	97	SSE 4	SW 1	10	3	·153	
17	·93	29·89	39·0	48·7	34·7	49·4	1·2	1·1	·214	·317	90	92	S 2	SSW 4	10	10	·070	
18	29·86	30·03	52·7	40·6	40·0	53·5	1·0	1·9	·370	·214	93	86	SSW 4	W 1	10	4	·049	
19	30·09	·00	41·7	44·2	36·9	46·6	1·1	0·4	·241	·281	92	97	SW 2	SW 2	8	10	·122	
20	·12	·15	46·6	42·9	42·9	48·9	1·6	0·9	·280	·256	89	93	NW 1	W 1	9	10	—	
21	·23	·33	47·0	38·7	38·0	50·5	1·2	0·2	·293	·231	92	98	WNW 1	N 1	10	9	—	
22	·38	·31	36·9	42·1	34·2	44·0	0·3	0·3	·213	·262	97	97	N 0·5	WNW 1	9	10	—	≋ early a.
23	·33	·32	42·5	44·1	41·2	44·9	0·5	0·6	·261	·276	96	95	W 1	WSW 1	10	10	—	Overcast all day.
24	·31	·26	43·8	44·5	40·3	45·2	0·8	1·0	·267	·271	94	92	WSW 2	SW 1	10	10	·005	Overcast all day.
25	·20	·15	45·2	45·8	43·8	48·6	1·4	1·1	·269	·284	90	93	SW 2	SW 2	10	10	—	
26	·13	·29	45·5	35·0	34·4	49·8	1·4	0·3	·272	·198	90	97	SW 2	N 0·5	9	2	·045	
27	·32	30·16	33·0	42·8	26·3	43·4	1·5	1·1	·157	·251	83	92	N 1	SSW 3	0	10	—	⌊ a.
28	30·05	29·73	45·7	45·2	41·7	47·8	1·9	2·2	·265	·251	87	84	SSW 2	S 3	10	10	·123	Overcast a l day.
29	29·49	·71	44·0	38·0	36·7	48·8	4·7	1·8	·193	·194	67	85	NW 2	SW 2	10	4	·218	
30	·40	·65	48·4	46·6	36·8	51·0	2·1	1·8	·288	·276	85	88	WSW 2	SW 2	10	10	·040	
31	29·50	29·58	50·6	49·9	45·9	53·4	1·0	1·1	·343	·331	93	93	SW 4	SW 1	10	10	·025	Overcast and gloomy.
Mean	29·873	29·881	41·0	40·4	35·7	45·5	1·2	1·0	·236	·234	90·5	92·0	2·0	1·8	8·9	8·4	2·067	

MARKREE CASTLE, SLIGO.—JANUARY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	ins.	ins.	%	%					ins.	
1	30·10	30·24	28·3	26·7	25·8	43·2	0·0	0·0	·155	·145	100	100	Calm 0	Calm 0	8	7	—	⌊. ≋ p.
2	·40	·49	23·6	28·5	21·2	31·1	0·2	0·0	·119	·157	95	100	Calm 0	SE 1	4	8	—	⌊ ≋ through day.
3	·47	·44	34·2	39·2	27·1	41·9	0·3	0·8	·192	·224	97	93	Calm 0	SE 1	10	9	—	
4	·37	30·23	36·1	40·2	34·1	42·6	0·6	1·3	·202	·222	95	90	S 1	SSE 2	10	10	—	
5	30·06	29·88	36·1	43·1	34·0	43·4	1·0	1·1	·194	·254	91	91	SE 2	SSE 2	3	10	·020	
6	29·89	·81	34·7	27·9	26·9	43·1	0·1	0·0	·200	·152	99	100	Calm 0	SE 0·5	10	10	·010	≋ all day.
7	·66	·37	37·2	42·7	25·4	43·6	0·2	0·6	·218	·261	98	95	SE 1	SE 4	10	10	·260	
8	·16	·22	47·1	40·9	40·0	48·8	1·8	0·6	·281	·243	87	95	SSE 6	Calm 0	10	8	·030	☾ ● a.
9	·04	·26	34·6	40·0	30·3	42·9	0·5	4·6	·191	·162	95	65	S 0·5	NNW 3	10	8	·280	● ▲ showers.
10	·48	·54	42·7	30·8	29·4	44·0	4·6	0·7	·186	·155	69	90	NW 4	Calm 0	8	10	·020	
11	·24	·10	36·5	39·2	29·8	40·7	0·2	0·2	·212	·236	98	98	SE 5?	SE 3	10	10	·800	☾ ●
12	·48	29·80	36·2	29·5	28·3	41·0	0·9	0·0	·197	·164	92	100	ESE 0·5	Calm 0	7	10	—	∞ a. and p. ⌊ p.
13	·99	30·04	29·0	30·0	25·3	38·8	0·0	0·6	·161	·150	100	90	Calm 0	SE 1	10	10	—	∞ 9p. ⌊
14	·93	29·78	35·2	41·1	25·3	41·4	1·2	1·3	·182	·230	88	89	SSE 2	SE 3	10	10	—	Overcast all day.
15	·60	·48	47·3	46·5	40·3	48·2	1·8	0·7	·283	·300	88	95	SSE 4	SSE 3	10	10	·740	Overcast all day.
16	·45	·80	44·4	40·6	39·0	46·5	0·1	1·3	·290	·225	99	89	SSE 3	SW 0·5	10	4	·310	
17	·95	29·91	40·2	50·1	32·1	50·1	1·2	1·0	·224	·336	90	93	SSE 2	SW 6	10	10	·030	
18	29·92	30·12	52·0	41·2	39·2	52·2	1·3	2·6	·353	·207	91	80	SSW 5	W 1	10	3	·080	
19	30·19	·10	43·4	48·0	36·1	48·0	1·1	0·8	·258	·314	91	94	SW 0·5	WSW 1	10	10	·060	Overcast all day.
20	·23	·26	47·1	47·0	45·8	48·9	0·9	0·1	·302	·321	93	99	WNW 1	NW 2	9	10	·030	
21	·36	·42	47·1	45·5	45·0	48·4	0·8	0·9	·305	·284	94	94	NNW 1	Calm 0	10	10	—	
22	·46	·42	39·0	41·5	31·1	45·5	0·1	0·1	·236	·260	99	99	Calm 0	Calm 0	10	10	·020	Overcast all day.
23	·42	·40	40·2	42·5	38·9	45·8	0·0	0·1	·250	·270	100	99	NW 0·5	Calm 0	10	10	·010	≋ a.
24	·41	·35	41·4	44·7	40·6	46·4	0·1	0·6	·259	·281	99	95	S 0·5	W 1	10	10	—	≋ a.
25	·30	·25	45·9	47·1	43·6	50·1	0·8	1·6	·290	·286	95	89	SSE 1	SW 1	9	10	—	
26	·23	·35	46·3	36·6	36·2	52·3	1·3	0·2	·283	·213	91	99	SSW 0·5	ENE 0·5	10	4	·070	
27	·36	30·22	35·2	42·5	26·4	45·9	0·9	0·5	·188	·261	91	96	SE 2	SSE 1	10	10	·020	Overcast all day.
28	30·08	29·72	45·3	46·2	42·0	49·0	0·4	1·8	·294	·272	97	88	S 2	SSE 4	10	10	·170	Overcast all day.
29	29·65	·79	44·1	39·1	37·0	48·0	4·7	0·9	·194	·221	66	93	NW 5	SSE 1	8	10	·370	
30	·54	·75	49·0	48·5	38·6	51·0	2·4	1·2	·289	·311	83	91	WNW 3	SW 2	9	10	·030	
31	29·62	29·66	51·4	50·3	48·0	53·0	1·2	1·0	·348	·339	91	93	WSW 4	SE 1	10	10	·040	Overcast and gloomy.
Mean	29·936	29·942	40·3	40·6	34·3	45·7	1·0	0·9	·237	·241	92·3	93·0	1·8	1·5	9·2	9·1	3·400	

DUBLIN (PHŒNIX PARK).—JANUARY 1889.

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

Day.	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.	Remarks.
1	30·04	30·20	30·6	32·1	29·7	43·2	0·3	0·6	·164	·169	96	92	Calm 0	Calm 0	7	2	·005	≋ 0 a. Dull and cloudy.
2	·37	·51	31·0	27·2	26·3	34·8	0·4	0·3	·163	·139	93	94	Calm 0	Calm 0	8	4	·005	Very dull, with ≋ 2.
3	·52	·49	32·4	34·9	21·5	44·6	0·7	1·8	·169	·167	92	82	Calm 0	Calm 0	7	1	—	⌊. Beautiful day.
4	·43	30·30	37·0	36·4	31·7	44·0	1·4	0·9	·193	·199	88	93	SW 1	SW 1	1	2	·005	Beautiful day.
5	30·15	29·98	28·6	37·6	27·2	48·6	0·3	1·3	·148	·200	95	89	Calm 0	SW 1	1	2	·040	⌊ ≋ 0 a. Beautiful day.
6	29·88	·82	41·5	38·5	36·9	43·0	0·7	0·3	·248	·227	94	98	Calm 0	Calm 0	10	10	·055	Dull, with ● 0.
7	·71	·55	39·0	46·9	32·1	47·3	1·3	2·8	·212	·256	90	81	WSW 1	SSE 2	9	9	—	Dull and cloudy.
8	·33	·22	49·1	45·7	44·7	50·3	3·3	1·2	·271	·280	77	92	SSE 3	Calm 0	9	9	·420	Dull, with squally ☾ ● 0 a. ● 0 p.
9	·07	·18	35·0	35·2	34·9	47·9	0·4	0·5	·196	·196	96	95	WSW 1	W 1	6	9	·045	● 2 a. Cloudy day. ● showers p.
10	·46	·55	34·9	32·2	31·7	40·8	0·9	0·6	·185	·169	91	92	WSW 1	Calm 0	1	1	·005	Beautiful day.
11	·37	·12	40·9	34·6	27·0	42·9	2·7	0·6	·202	·189	80	94	SE 1	ESE 3	10	10	·390	Dull, with ● 0 showers. ✕ 0 ▲ ● 2 p.
12	·41	29·70	39·5	37·7	34·2	41·1	2·9	1·2	·187	·203	77	90	Calm 0	N 1	9	10	—	Dull day throughout.
13	29·95	30·04	37·5	35·9	35·0	39·7	2·0	1·3	·186	·188	83	89	Calm 0	Calm 0	10	10	—	Dull day throughout.
14	30·02	29·91	38·3	41·7	32·9	45·0	2·3	2·3	·187	·217	81	83	Calm 0	S 1	7	9	—	◫ p.
15	29·75	·60	47·8	45·5	41·6	50·0	4·6	1·0	·230	·282	69	93	SSE 1	SSE 1	10	10	·150	Dull day. ● 0 p.
16	29·53	29·78	45·7	38·9	38·7	47·5	2·0	0·6	·262	·225	86	95	SE 1	WSW 1	10	1	·010	Dull day. ● 0 p.
17	30·03	30·03	38·1	48·9	29·9	49·1	1·4	2·4	·202	·289	88	84	WSW 1	SW 1	4	9	·005	Cloudy a. Dull p.
18	·03	·12	52·8	41·3	40·9	54·6	2·3	1·4	·338	·231	85	89	SW 2	W 1	9	1	·030	Dull day. ● 0 p.
19	·21	·14	39·0	44·7	35·9	47·6	1·7	0·5	·205	·284	86	96	WSW 1	WSW 1	3	10	·055	Bright a. ● 0 shower p.
20	·16	·23	45·7	44·8	44·2	48·6	1·0	0·9	·285	·276	94	93	W 1	W 1	9	10	·005	Dull, with ● 0 showers.
21	·27	·36	45·0	42·9	42·7	49·0	1·1	1·1	·273	·253	91	91	Calm 0	N 1	8	4	—	
22	·43	·39	30·7	39·8	29·7	43·4	0·3	0·5	·165	·235	96	96	Calm 0	NW 1	2	10	·015	⌊. ≋ 0 till 3p.
23	·39	·39	42·0	42·0	39·2	43·1	0·3	0·6	·260	·254	98	95	NW 1	Calm 0	10	10	·005	● 0 a. Dull and damp.
24	·39	·36	40·8	44·2	39·9	44·7	0·3	0·9	·248	·270	98	93	W 1	W 1	10	10	·010	● 0 a. Dull and damp.
25	·31	·25	43·6	45·7	42·9	46·9	0·6	0·9	·270	·287	95	94	W 1	WSW 1	9	10	—	Dull and damp.
26	·24	·31	44·4	42·5	42·3	49·2	1·0	0·1	·269	·270	92	99	WSW 1	Calm 0	9	10	·035	Dull day. ● 0 6p.—9p.
27	·39	30·26	34·6	45·2	28·1	47·1	1·6	1·7	·169	·262	84	88	Calm 0	SSW 1	10	10	·030	≋ 0 a. Dull day.
28	30·15	29·87	45·2	46·8	42·4	49·7	1·8	2·8	·260	·255	87	80	SW 1	S 2	7	8	·060	● 0 a. Dull and cloudy.
29	29·54	·85	46·2	36·5	35·9	50·8	2·8	1·5	·250	·187	81	87	WNW 3	Calm 0	9	2	·125	Squally ☾ ● 0 a.
30	·52	·78	48·2	46·8	36·2	52·0	1·1	1·3	·310	·289	93	91	WSW 3	WSW 1	10	10	·030	Dull day.
31	29·64	29·67	50·5	51·2	46·6	53·6	1·3	0·5	·333	·363	90	97	WSW 3	W 2	10	10	·020	Dull day. ● 0 shower p.
Mean	29·956	29·966	40·5	40·8	35·6	46·5	1·4	1·1	·227	·236	88·6	91·1	0·9	0·8	7·5	7·2	1·555	

PARSONSTOWN (BIRR CASTLE).—JANUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·04	30·18	29·9	29·5	28·7	39·7	0·0	0·4	·166	·153	100	93	Calm 0	Calm 0	10	8	—	⌴ ≋ a. Dull day. ≋² from 6p.
2	·35	·48	24·7	24·6	23·3	29·9	0·0	0·5	·133	·115	100	87	Calm 0	Calm 0	10	0	—	⌴ ≋² n. Dull, with ≋ till 5p.
3	·49	·46	24·9	29·9	21·1	37·6	0·2	0·0	·127	·166	95	100	Calm 0	Calm 0	6	1	—	⌴² a. ∞. Fine and bright. ⊕ 3p.
4	·41	30·25	26·5	32·7	25·0	40·0	0·0	0·6	·144	·174	100	93	Calm 0	SE 1	1	0	—	⌴² a. ∞² a. and p. Fine and bright.
5	30·11	29·92	32·7	39·7	26·4	42·8	1·0	1·6	·165	·212	88	87	Calm 0	SE 1	0	10	·070	⌴² ∞ a. Fine and bright.
6	29·85	·77	37·7	36·5	35·8	41·5	0·6	0·4	·214	·208	95	96	Calm 0	Calm 0	10	10	·040	≋² a. Dull and cold. ≋ p.
7	·65	·45	38·3	45·9	33·8	47·2	0·8	2·1	·215	·263	94	86	SSE 1	SSE 3	8	10	·036	●⁰ from 8p. Squally evening.
8	·16	·17	47·8	41·7	41·0	51·4	2·0	0·6	·283	·251	86	95	SE 3	Calm 0	9	7	·190	Squally a. ∞ a. and p.
9	·07	·26	34·8	33·9	31·7	42·5	0·5	1·0	·192	·175	95	89	Calm 0	WNW 2	3	0	·081	⌴ a. ∞ a. and p. Squally, with ●.
10	·50	·53	35·8	31·2	28·8	42·3	1·9	1·1	·176	·149	84	84	W 1	Calm 0	2	8	·089	⌴ a. Fine and bright. ∞ p.
11	·27	·04	38·9	40·1	30·8	43·5	0·8	0·3	·221	·242	94	97	SE 3	Calm 0	10	10	·900	∞ ⌴⁰ n. ● all day.
12	·38	·73	38·3	34·3	33·4	41·2	1·1	0·6	·209	·186	91	94	Calm 0	Calm 0	5	10	—	∞ a. and p. Fine, but cold.
13	·94	·99	29·2	29·9	25·8	36·5	0·7	0·1	·142	·164	88	98	Calm 0	Calm 0	9	10	—	⌴ a. ≋ a. and p. ☈ 9p.
14	·95	·81	34·4	42·5	28·0	43·4	1·3	1·8	·173	·234	86	86	SE 1	SE 1	8	9	—	⌴ ∞ a. Cold and windy p. ∞ 9p.
15	·65	·49	46·6	44·9	41·3	48·3	1·7	0·6	·278	·283	88	95	SSE 2	SE 2	10	10	·261	Dull and windy a. ● all day.
16	·41	29·80	46·1	36·1	35·6	47·6	1·2	0·6	·284	·202	91	95	SE 2	Calm 0	10	0	·070	Windy, with ●.
17	29·99	30·00	36·1	48·7	32·2	49·6	1·0	1·6	·194	·304	91	89	Calm 0	SW 1	9	10	—	⌴ ∞ a. Dull and gloomy.
18	30·00	·14	52·8	39·5	38·6	54·3	1·9	1·4	·348	·214	87	89	SW 2	SW 1	10	0	·040	Cold and windy. ●² 4p. ∞ 9p.
19	·22	·15	38·6	45·7	34·2	48·4	1·3	0·8	·209	·290	90	95	SW 1	SW 1	1	10	·054	⌴ ∞ a. Dull p. ● from 8p.
20	·19	·24	45·9	44·7	44·3	49·7	0·8	0·6	·290	·281	95	95	NW 1	Calm 0	2	10	·020	Gloomy, with ● p.
21	·30	·38	46·0	45·3	44·2	49·2	0·9	1·3	·289	·272	94	90	NNW 1	WNW 2	10	10	—	Dull and mild.
22	·41	·40	36·7	38·5	34·6	45·6	0·5	0·5	·208	·223	96	96	Calm 0	Calm 0	10	10	·030	≋ n. Day dull, with ≋.
23	·41	·39	40·1	41·1	37·7	41·9	0·2	0·4	·244	·249	98	97	Calm 0	Calm 0	10	10	·010	Dull and damp, with ≋⁰ (mist).
24	·39	·36	41·3	44·6	39·2	46·8	0·4	1·3	·252	·265	97	90	Calm 0	Calm 0	10	10	·008	Dull, with ≋ and ≋⁰ (mist).
25	·32	·27	43·9	45·5	42·1	46·9	0·8	1·0	·268	·282	94	93	Calm 0	Calm 0	10	10	·008	Dull and mild, with ≋⁰ (mist).
26	·25	·29	44·0	45·7	42·7	49·1	0·9	0·8	·267	·290	93	95	Calm 0	Calm 0	9	10	—	Dull and mild, with ≋⁰ (mist).
27	·35	30·24	41·8	44·6	40·1	46·0	0·9	1·9	·247	·252	93	86	SSE 1	SSW 1	10	10	—	≋⁰ (mist) a. Dull and mild.
28	30·13	29·80	43·6	46·7	40·8	49·5	1·0	2·6	·261	·259	92	82	Calm 0	SSW 3	9	10	·261	∞ a. Mild, with ● showers.
29	29·63	·85	43·6	37·0	35·7	50·7	2·6	1·3	·228	·195	80	89	NW 3	SSW 1	0	3	·181	Squally, with ● n. ∞ a. Day fair, but cool.
30	·58	·80	49·7	48·2	35·8	51·7	1·7	1·3	·313	·305	88	91	WSW 2	W 2	10	10	—	≋⁰ (mist) a. Dull, mild, and gusty.
31	29·69	29·69	50·3	50·6	46·9	53·1	1·1	0·8	·336	·349	92	95	W 2	W 2	10	10	·020	Dull and windy a. Mild with ≋⁰ (mist) p.
Mean	29·938	29·946	39·4	40·0	34·8	45·4	1·0	1·0	·228	·232	92·1	91·8	0·8	0·8	7·5	7·6	2·369	

SWANBISTER.—FEBRUARY 1889.

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. Gravity Correction + ·036.

Day	Bar. 9 a.m.	Bar. 9 p.m.	Temp. 9 a.m.	Temp. 9 p.m.	Min.	Max.	Dep. Wet 9 a.m.	Dep. Wet 9 p.m.	Vap. 9 a.m.	Vap. 9 p.m.	% 9 a.m.	% 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain	Remarks
1	29·13	28·80	43·3	39·5	38·5	48·1	2·0	2·5	·237	·194	84	80	S 3	WSW 8	10	5	·250	▲ showers p.
2	28·69	28·51	36·9	40·0	34·0	42·1	2·8	1·0	·168	·226	77	92	WNW 8	NW 9	10	10	·530	✱ ● showers.
3	29·07	29·86	41·0	37·8	33·8	43·3	2·0	5·5	·215	·133	84	59	NNE 6	NNE 8	3	3	·520	● and ✱ ● (sleet).
4	30·24	30·12	37·2	37·3	36·0	38·3	4·1	2·2	·150	·181	68	82	N 3	WSW 3	9	10	·100	✱ showers before 9a.
5	29·74	29·66	41·8	37·0	33·8	44·1	2·6	2·6	·213	·172	80	78	WNW 5	NW 8	8	8	·070	▲ showers 9p.
6	·78	·70	33·6	31·2	30·5	37·5	3·8	2·2	·122	·125	63	71	NNW 4	NNW 3	9	10	—	Ground grey with △ 9a.
7	29·78	·28	30·6	40·0	28·8	40·0	1·1	1·4	·144	·218	84	89	N 3	SW 7	8	10	·190	☇ in past n. △ a.
8	28·66	·10	29·0	32·3	25·5	40·1	3·0	2·2	·086	·137	54	74	NNW 4	NNW 10	7	8	·020	▲ showers a. ✱ showers 9p.
9	29·38	·55	27·9	26·7	23·1	34·1	3·2	1·7	·073	·094	49	66	NNW 7	NNW 6	7	5	·050	✱ showers a. ▲ showers p.
10	·41	·38	29·7	27·7	23·7	34·4	2·7	1·4	·099	·111	61	73	N 2	NE 3	7	5	—	✱ ▲ showers before 9a.
11	·60	·94	33·8	32·3	23·7	35·4	3·3	0·8	·133	·166	68	91	N 6	N 3	5	10	·150	
12	·99	·81	38·5	38·5	28·7	39·1	1·5	1·0	·204	·214	88	92	NNW 1	SW 4	10	8	·190	✱ showers a. →
13	29·47	29·03	37·7	37·9	36·1	41·1	2·5	0·9	·179	·209	79	92	WNW 1	SSW 5	6	8	·410	● p.
14	28·93	28·96	36·7	35·2	33·1	40·1	1·8	1·4	·183	·178	84	86	NW 4	NNW 5	5	8	·100	▲ and ✱ ● (sleet) showers.
15	29·47	29·85	34·5	28·7	28·1	35·6	2·3	1·7	·156	·111	78	71	NNW 7	NNW 1	8	8	·010	▲ showers 9a. ☈ 9p.
16	·50	·26	35·7	44·5	28·0	44·5	3·3	1·0	·150	·271	71	93	S 6	WNW 5	10	10	·630	✱² 9a.—noon, then ●.
17	·67	·76	42·0	49·2	41·0	49·2	0·7	1·2	·252	·319	94	92	Calm 0	SW 5	10	10	·270	
18	·82	·70	44·1	43·6	41·0	49·2	1·1	1·3	·264	·255	91	89	WSW 1	WSW 4	10	10	·430	
19	·87	·95	39·5	40·1	35·4	48·6	2·2	3·4	·200	·183	82	73	WNW 6	NW 3	6	10	·160	▲ ● showers.
20	29·75	29·96	38·2	36·7	35·4	41·1	0·4	2·7	·222	·168	96	77	N 1	NNW 3	8	8	—	≋⁰ a.
21	30·18	30·21	35·3	37·0	33·0	37·2	2·8	2·6	·154	·172	74	78	NNW 3	NNW 1	9	10	·020	Overcast all day.
22	·14	·18	37·3	38·2	35·7	39·1	1·5	1·7	·193	·197	87	86	Calm 0	ESE 2	10	5	—	
23	·31	·37	39·5	31·7	30·7	41·6	3·7	1·1	·174	·154	72	86	ESE 2	S 1	9	0	—	
24	30·33	30·22	39·6	41·0	29·6	41·6	2·5	0·5	·195	·246	80	96	N 1	NW 2	8	10	·050	
25	29·97	29·78	41·8	39·0	37·1	41·8	0·3	0·6	·258	·226	98	95	NNW 1	E 3	10	10	·220	
26	·94	·82	37·0	34·7	33·7	39·6	1·2	2·5	·196	·154	89	76	NE 1	NNE 3	8	8	·080	▲ showers. Ш 9p.
27	·67	29·72	33·6	30·8	28·7	39·7	2·1	1·9	·152	·128	79	73	NNW 1	N 1	5	1	·070	△⁰ ▲⁰ ✱⁰ showers a. Mock sun 8a.
28	29·90	30·06	36·6	35·1	29·8	38·3	1·7	2·8	·184	·152	85	73	ESE 5	E 5	9	10	·020	▲ ✱ showers.
Mean	29·657	29·662	36·9	36·6	32·0	40·9	2·3	1·9	·177	·182	78·5	81·5	3·3	4·3	8·0	7·8	4·540	

DUNROBIN CASTLE.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·23	29·03	44·2	37·1	37·1	56·6	2·5	2·6	·236	·173	81	78	S	W	—	—	·190	Dull a. ● showers. Blowy p.
2	28·97	28·81	35·3	38·4	32·7	46·5	2·8	2·8	·154	·179	74	78	NW	W	—	—	—	✱ showers a. ✱ ● (sleet). Stormy p.
3	29·23	29·97	41·4	33·3	31·3	41·4	3·0	0·2	·201	·186	78	98	NE	W	—	—	·500	✱ ● (sleet) showers p.
4	30·36	30·21	36·1	39·4	32·5	39·4	2·6	6·3	·166	·134	77	56	NW	NW	—	—	·090	✱ ● (sleet) p.
5	29·91	29·85	42·2	39·6	33·7	46·0	2·6	4·2	·216	·166	81	68	NE	W	—	—	·180	● showers.
6	·91	·77	35·3	33·3	30·5	39·7	3·8	3·0	·139	·133	67	69	NW	NE	—	—	—	
7	29·92	·49	30·3	38·4	30·3	39·0	2·2	2·5	·115	·184	68	80	NE	W	—	—	·050	✱ showers p.
8	28·86	·33	29·8	30·5	25·5	43·5	0·5	0·4	·152	·161	91	94	NW	N	—	—	·400	✱ →. Blowy p.
9	29·63	·66	26·3	25·3	24·7	34·4	1·0	0·0	·111	·137	78	100	N	N	—	—	·220	✱² showers. Blowy p.
10	·49	29·47	25·1	31·3	21·5	32·9	0·6	3·0	·116	·111	85	63	N	N	—	—	—	✱ showers a. Clear p.
11	29·72	30·07	29·3	31·1	28·0	37·7	1·2	2·3	·129	·122	80	69	N	N	—	—	·120	Clear and frosty a. ✱ showers p.
12	30·12	29·88	31·1	36·3	27·0	43·5	1·8	0·4	·132	·206	75	96	NW	W	—	—	·080	Clear and frosty.
13	29·60	·07	40·4	37·4	36·3	44·3	3·0	1·0	·192	·204	77	91	W	NW	—	—	·450	Thaw a. ● p.
14	·11	29·18	38·4	33·3	32·5	42·7	3·0	2·5	·176	·142	76	74	NW	NE	—	—	·100	Clear a.
15	·62	30·00	35·3	31·1	30·5	39·3	2·0	1·3	·168	·143	81	81	N	N	—	—	·340	✱ showers a. Clear p.
16	·44	29·60	34·3	44·4	26·3	45·0	0·2	1·9	·194	·250	98	86	NW	W	—	—	·250	✱ and ✱ ● (sleet). ● p.
17	·81	·91	42·4	48·0	39·8	50·3	1·9	2·3	·231	·278	86	84	NW	S	—	—	·100	Mild.
18	29·90	29·85	49·0	43·2	40·7	51·7	1·5	1·2	·310	·253	90	90	W	W	—	—	·300	Dull and mild. ● p.
19	30·03	30·09	41·4	37·4	36·4	46·5	4·2	1·5	·181	·194	69	87	W	NW	—	—	·220	Fine and mild.
20	29·84	·09	40·2	37·4	36·6	47·7	1·8	1·0	·213	·204	86	91	NW	NW	—	—	—	Mild.
21	30·36	·34	36·8	39·2	34·5	40·3	3·3	0·8	·159	·224	73	93	NW	E	—	—	—	Fine and mild.
22	·21	·26	39·2	39·4	36·6	40·0	1·8	1·0	·205	·222	85	92	E	SE	—	—	·220	Dull, with ●⁰.
23	·36	·42	39·2	32·1	29·5	43·0	2·8	1·8	·186	·142	78	78	NE	NE	—	—	—	Fine and mild.
24	·33	30·29	34·5	38·4	29·3	41·5	2·2	1·5	·158	·202	78	87	N	NW	—	—	·030	Fine a. Dull p.
25	30·06	29·84	40·4	38·4	32·5	45·0	1·0	1·2	·230	·208	92	90	NW	NW	—	—	·210	Fine a. Dull p.
26	29·98	·91	36·3	37·1	32·5	40·0	0·9	0·7	·197	·207	92	94	N	NE	—	—	·100	●⁰ a. Fair p.
27	·76	29·83	34·8	31·3	31·3	43·0	3·3	0·5	·142	·163	70	93	N	N	—	—	—	✱ ● (sleet) shower a. ✱ showers p.
28	29·94	30·12	37·4	35·1	29·3	38·7	2·2	1·6	·182	·173	82	84	E	NE	—	—	·050	Frosty a. Clear p.
Mean	29·775	29·797	36·7	36·3	31·8	42·8	2·1	1·8	·178	·182	80·3	83·7	—	—	—	—	4·200	

BRAEMAR.—FEBRUARY 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction + ·027.

30/22.2.94

Day	Bar. 9 a.m.	Bar. 9 p.m.	Temp. 9 a.m.	Temp. 9 p.m.	Min.	Max.	Dep. Wet 9 a.m.	Dep. Wet 9 p.m.	Vap. 9 a.m.	Vap. 9 p.m.	% 9 a.m.	% 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain	Remarks
1	28·21	27·92	41·6	35·4	35·4	50·3	2·1	2·9	·220	·154	84	74	SW 4	SW 2	9	9	·270	
2	27·87	27·74	28·7	30·5	26·2	44·9	0·2	0·7	·152	·154	96	90	SW 2	W 4	10	10	·100	● showers all day.
3	27·88	28·58	34·5	31·9	30·5	42·9	1·6	0·2	·168	·176	84	97	NW 8	NE 4	8	10	·400	/ ✱ ● (sleet) ✱ →.
4	29·02	29·03	30·7	31·7	28·6	40·3	0·5	1·3	·159	·149	92	83	NE 4	NW 0·5	9	10	·030	✱ a. Fair p.
5	28·73	28·62	38·9	35·7	30·7	43·5	1·9	2·7	·200	·160	85	76	NW 2	NW 8	7	6	—	
6	·60	·55	32·7	29·9	29·9	39·3	0·7	0·7	·172	·147	92	88	NW 4	NW 2	6	7	—	Fair, but cold
7	28·60	·39	26·5	32·7	25·6	38·6	0·8	0·5	·119	·175	84	94	NE 2	SW 4	8	8	—	Fair, but cold.
8	27·80	·06	26·5	26·7	23·4	37·3	0·8	0·5	·119	·129	84	89	NW 4	NW 8	6	10	·740	Stormy, with / → all day.
9	28·31	·46	20·7	20·7	20·7	36·9	0·0	0·3	·112	·101	100	91	NW 2	NW 1	8	8	·020	Stormy /.
10	·25	·15	15·7	25·1	12·7	35·6	0·0	0·4	·089	·122	100	90	NW 0·5	NW 0·5	4	7	·020	Fair a. ✱ showers p.
11	·35	·72	24·9	25·9	24·1	32·7	0·9	0·9	·103	·109	77	78	N 2	NW 0·5	8	6	·110	✱ showers.
12	·85	28·78	28·7	33·7	25·9	38·6	2·2	1·3	·100	·167	64	86	NW 0·5	SW 0·5	7	8	—	Fair and clear.
13	28·40	27·92	34·8	35·1	33·1	39·5	1·1	0·5	·180	·195	89	95	SW 1	SW 1	8	9	·100	Dull day.
14	27·95	27·88	33·7	32·9	32·1	40·5	2·8	0·9	·139	·169	72	90	W 1	NW 1	6	6	·020	Fair and clear
15	28·34	28·71	30·5	30·7	29·4	38·8	0·8	1·0	·151	·147	88	85	NW 4	NW 2	7	7	·010	☈ in past n. ✱ showers.
16	·40	·26	34·1	40·9	24·4	41·5	3·8	1·4	·127	·231	65	89	S 4	NW 4	10	6	·200	✱ → a.
17	·61	·72	40·9	42·9	39·5	45·5	3·6	1·4	·186	·246	73	89	SW 1	SW 0·5	7	8	·020	Dull day.
18	·74	·64	46·4	43·8	42·3	47·5	1·9	1·3	·271	·257	87	90	SW 0·5	SW 1	7	9	·290	High rivers.
19	·83	·85	34·1	36·6	31·4	44·5	0·6	2·0	·185	·179	94	83	SW 1	SW 0·5	4	7	—	Fine day.
20	·60	28·75	35·5	36·4	35·2	40·5	0·9	1·5	·191	·187	92	87	W 0·5	SW 0·5	4	10	—	Fair a. Stormy p.
21	·96	29·01	32·5	33·7	32·1	39·8	2·1	1·0	·141	·174	76	89	N 2	NW 3	4	4	·010	Fair, but cold.
22	28·93	28·92	34·7	34·0	33·4	38·8	1·8	0·3	·166	·190	82	97	SW 0·5	NW 0·5	6	10	·040	Dull and damp, with ≋.
23	29·06	29·12	32·1	27·4	27·4	36·6	1·4	1·9	·150	·096	82	65	E 0·5	E 0·5	7	0	—	Fair, but cold.
24	29·07	29·01	29·5	33·4	22·1	36·9	1·6	1·7	·121	·157	75	82	E 0·5	NE 0·5	8	6	—	Fair, but cold.
25	28·82	28·58	34·7	35·4	32·9	38·4	1·2	2·0	·178	·169	88	81	NE 0·5	NE 0·5	8	9	·120	● and ✱ ● (sleet) showers.
26	·69	·56	31·0	31·7	30·4	36·4	1·1	1·0	·146	·156	84	87	NE 0·5	NE 1	10	10	·030	✱ showers.
27	·51	·53	24·7	26·7	24·7	34·6	0·6	0·7	·112	·122	85	85	NE 0·5	NE 0·5	4	7	—	Fine and clear.
28	28·63	28·77	29·1	28·1	25·4	33·0	0·3	1·1	·152	·120	94	79	NE 0·5	NE 0·5	8	4	·070	Dull, with ✱.
Mean	28·535	28·544	31·7	32·5	28·9	39·8	1·3	1·1	·154	·162	84·6	86·0	1·9	1·9	7·1	7·5	2·600	

LAUDALE.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·29	29·17	52·5	36·6	36·6	52·5	1·8	1·3	·347	·192	88	89	W 5	W 8	10	10	·430	[showers at night. ↙, with ▲ and ✳ ● (sleet)
2	·17	·17	33·8	35·0	32·5	37·9	1·1	1·0	·172	·184	88	90	N 7	N 6	10	9	·560	↖ 8a. ▲2 ✳2 showers.
3	29·17	29·88	39·2	37·0	35·0	41·3	1·9	2·0	·203	·182	84	83	N 7	E 4	10	9	·040	↙ ●2 showers a. ✳ ● (sleet) 9p.
4	30·34	30·33	37·5	36·3	34·4	41·4	2·3	1·4	·181	·188	81	88	NE 2	E 1	4	10	·190	
5	30·05	29·97	43·1	42·9	36·9	45·0	2·2	3·1	·231	·212	82	78	NW 3	N 5	10	1	·020	≋9 (mist) ●0 a. ↙
6	29·95	·73	40·0	35·7	35·0	43·7	1·9	1·0	·209	·191	85	91	Calm 0	E 3	6	10	·180	Overcast day.
7	·94	·68	26·7	42·0	25·8	42·2	0·7	2·0	·122	·225	85	85	Calm 0	W 4	2	10	·400	✳ a. and p.
8	·19	·53	35·1	31·3	31·0	45·0	2·7	0·3	·153	·169	74	96	NW 6	N 10	9	10	·140	↙2 all day and n. ✳2 ▲2 showers.
9	·74	·79	28·2	28·0	21·0	32·8	0·2	0·2	·148	·147	96	96	N 4	Calm 0	10	2	·050	✳2 showers all day (4 ins. deep 9a.).
10	·59	29·31	23·7	23·2	22·2	29·3	0·4	0·2	·114	·117	89	95	Calm 0	Calm 0	10	2	—	
11	29·72	30·08	19·8	31·6	19·0	35·7	0·4	0·1	·092	·177	86	99	Calm 0	NNE 1	2	2	·010	Clear and frosty.
12	30·22	30·06	31·0	40·6	29·2	42·0	0·0	2·6	·174	·201	100	80	E 1	ENE 1	10	10	1·500	✳ from 9a. ✳ ● (sleet) and ● p.
13	29·68	29·06	41·2	49·5	37·5	49·9	1·1	1·5	·235	·316	92	90	W 2	W 6	10	10	·660	● showers. ↙ from 6.30p.
14	·23	29·17	40·0	36·8	35·0	49·5	2·2	0·9	·203	·200	82	92	WNW 3	NW 3	10	10	·380	↙ ● n. ✳ ● (sleet) and ✳ [showers all day.
15	·71	30·03	35·0	30·9	30·9	39·2	1·2	1·7	·180	·132	88	76	NW 2	Calm 0	8	2	·320	✳ showers a. ⊔ p.
16	·53	29·68	40·4	47·0	30·9	49·3	1·4	3·3	·222	·247	89	77	SE 7	WNW 2	10	9	·360	↙ till 2.30p. ●
17	29·85	·99	51·0	51·2	31·2	51·2	1·5	1·3	·336	·343	90	91	W 6	W 5	10	10	·280	↙ ●2 showers.
18	30·04	29·95	52·0	46·0	45·5	52·5	2·5	0·5	·323	·299	83	97	W 5	W 7	10	10	·650	↙ ●2
19	30·21	30·18	43·4	42·3	40·0	46·8	3·1	2·0	·217	·228	78	85	NW 4	NW 2	3	10	—	∞
20	29·92	·05	44·9	42·2	40·2	45·6	2·2	1·3	·248	·241	84	89	SW 2	NW 1	10	10	·150	
21	30·28	·33	37·5	40·0	36·8	42·7	0·8	2·3	·209	·202	93	82	Calm 0	NW 1	5	9	—	Cir. clouds NW. to SE. Fine all day.
22	·23	·19	39·8	44·8	34·0	45·0	1·0	0·6	·224	·283	92	96	NE 10	Calm 0	10	10	·030	≋9 (mist) ●0
23	·30	·41	38·0	37·3	35·0	45·6	1·5	2·3	·199	·178	87	81	E 2	Calm 0	3	9	—	Day fine and clear.
24	·37	30·42	35·4	35·4	32·8	44·3	1·0	2·6	·188	·159	91	76	Calm 0	Calm 0	9	2	—	
25	30·46	29·84	35·0	39·2	32·0	39·2	1·0	2·0	·184	·201	90	84	Calm 0	Calm 0	10	10	·130	✳0 showers a. ≋9 (mist) ●9 p.
26	29·90	·84	38·0	35·4	32·8	41·4	2·6	2·4	·180	·162	78	78	ESE 3	Calm 0	9	10	·010	
27	·71	·72	35·4	34·3	34·1	39·3	3·3	3·3	·148	·137	71	69	ENE 2	Calm 0	7	2	—	✳ n. Cir. clouds from E. and WSW.
28	29·84	29·99	36·9	35·2	32·0	37·4	2·2	2·7	·178	·155	82	75	ENE 3	E 3	10	10	—	Cold and raw, with ✳ showers.
Mean	29·832	29·841	37·7	38·1	32·6	43·1	1·6	1·6	·201	·202	86·0	86·0	3·1	2·6	8·1	7·8	6·490	

DUNDEE.—FEBRUARY 1889.

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

1	29·20	28·97	42·9	39·6	39·2	52·3	0·4	2·3	·267	·198	97	81	S 1	W 4	10	7	·110	● till 10a. ↙ (gale) ● p.
2	28·96	28·81	33·2	32·8	30·1	40·7	1·4	1·4	·161	·157	85	84	W 6	W 8	5	7	·040	✳ in past n. ↙ from 11a. ● showers.
3	28·78	29·58	41·1	37·2	29·4	41·1	4·3	1·4	·176	·194	69	87	NW 12	NE 8	5	7	·020	↙ (gale) till 3p. ● showers.
4	30·08	30·16	34·1	34·5	30·4	38·8	1·6	2·5	·165	·152	83	76	NE 8	W 1	5	5	·030	✳ showers n., and during day.
5	29·83	29·68	37·1	41·6	31·5	45·3	0·8	3·5	·205	·195	93	75	W 1	NW 6	10	10	—	✳ in past n.
6	·73	·58	36·6	32·1	31·4	41·9	2·1	1·5	·178	·148	82	81	NW 1	N 1	10	10	—	
7	29·69	·51	32·2	33·1	30·0	35·3	3·7	1·5	·109	·158	60	84	N 1	W 2	5	10	—	
8	28·87	·01	33·1	31·7	26·2	43·7	1·5	0·3	·158	·172	84	96	NW 12	NW 12	0	10	·210	↙ (gale) ✳ showers n. and during [day
9	29·41	·53	27·0	23·7	23·3	35·1	0·4	1·6	·134	·077	92	61	NW 6	NW 6	5	0	—	↙ (gale) at times.
10	·39	·20	23·8	26·7	20·1	30·0	1·6	0·4	·077	·132	61	91	W 2	W 2	5	10	—	
11	29·45	·80	29·4	26·1	24·7	34·8	1·1	0·5	·133	·125	81	88	NW 1	N 1	0	10	·060	✳0 showers during day. ✳2 [5p. 4p.—
12	30·00	·90	30·7	33·3	25·1	37·1	0·6	0·9	·157	·172	91	90	NW 1	NW 1	0	10	·020	
13	29·49	29·02	35·8	36·0	32·1	41·3	1·0	0·3	·191	·206	91	97	W 1	SE 1	10	10	·100	●0 in past n. and from 6p.
14	·03	28·93	36·8	34·5	33·8	44·8	2·2	1·0	·177	·180	81	90	W 4	W 4	0	7	—	Fine day.
15	·38	29·86	35·9	30·7	30·2	39·6	0·9	1·1	·194	·145	92	84	NW 1	N 1	0	7	·020	↙ (gale) at times.
16	·57	·40	31·4	45·4	25·0	46·7	0·8	3·6	·158	·226	89	75	E 10	W 1	10	0	·140	↙ (gale) from 5a. ✳ noon.
17	·75	·85	42·1	47·4	37·6	50·7	2·1	1·0	·224	·303	84	93	W 1	W 1	10	10	—	Dull day.
18	·90	·73	49·6	47·9	47·0	52·6	1·8	1·6	·309	·293	88	89	W 6	W 6	10	10	·060	Dull day.
19	·98	·99	42·5	41·2	40·1	48·9	3·1	2·9	·209	·201	78	78	W 2	W 2	5	10	·020	● at night.
20	29·71	29·83	38·4	39·8	36·0	47·9	1·5	2·3	·202	·200	87	82	W 1	E 1	5	10	—	
21	30·08	30·12	38·0	33·2	32·6	40·9	2·4	1·0	·183	·169	80	89	N 1	N 1	5	10	—	Dull day.
22	·05	·04	36·5	36·6	32·5	43·0	1·9	0·2	·181	·213	84	99	NW 1	E 1	10	10	·020	Dull day. ●0 from 5p.
23	·17	·28	35·8	32·1	31·4	39·4	2·2	·5	·170	·148	80	81	NE 1	NE 1	5	10	—	Dull day. ✳ showers noon.
24	30·19	30·11	33·9	35·1	28·0	39·4	2·5	1·3	·147	·179	75	87	N 1	NE 1	4	10	·100	Dull day.
25	29·93	29·66	35·1	32·7	32·0	37·2	0·5	0·1	·195	·184	95	99	W 1	E 1	10	10	·350	● and ✳ ● (sleet) n. and during [day.
26	·77	·64	35·1	34·1	31·5	38·1	0·8	2·1	·189	·155	92	78	SE 1	NW 1	10	10	·030	● ✳ and ✳ ● (sleet) showers n. [and till 2.30p.
27	·56	·56	32·7	33·5	29·3	38·3	2·1	2·1	·143	·151	76	78	NE 2	NE 2	5	10	·040	
28	29·71	29·85	33·4	32·5	31·6	36·5	1·2	1·9	·167	·145	87	78	SE 2	SE 2	10	10	·080	✳ showers n. and till 4.30p.
Mean	29·630	29·629	35·5	35·2	31·1	41·5	1·7	1·5	·177	·178	83·5	84·7	3·1	2·8	6·0	8·6	1·450	

GLASGOW.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·17	29·03	49·0	40·7	39·2	51·7	0·4	5·5	·338	·154	97	61	SW 2	W 5	10	3	·280	Cloudy, with squally ↙ ●2 [< n.
2	29·05	28·93	32·0	31·9	30·4	41·2	0·1	0·8	·179	·162	99	90	W 2	WSW 3	10	9	·138	Squally ↙ ✳0 showers.
3	28·91	29·56	39·0	38·9	30·9	43·4	3·3	3·5	·176	·172	75	73	NW 6	N 4	4	10	·015	Cloudy, with squally ↙ ●0.
4	30·10	30·17	36·9	32·9	32·9	40·3	4·2	2·3	·146	·141	67	76	NNE 2	WSW 1	6	10	·082	
5	29·84	29·76	39·2	41·4	32·6	44·6	0·5	4·0	·230	·184	96	71	SW 1	W 3	10	3	—	✳0 ●0 a. Cloudy, with squally ↙.
6	·73	·52	38·4	36·9	36·0	43·5	2·5	2·3	·185	·176	80	81	W 1	E 1	5	10	·170	
7	·73	·55	30·2	36·2	28·8	37·7	2·9	3·7	·100	·147	60	69	N 1	SW 1	2	10	·070	✳0 a.
8	·01	·16	33·0	34·4	31·8	44·4	1·1	2·7	·165	·148	88	74	WNW 4	WNW 5	6	2	·052	Very stormy, with squally ↙ ✳0 [showers.
9	·47	·59	29·0	26·4	26·4	34·9	4·1	2·4	·066	·075	43	54	NW 1	WNW 1	6	0	—	
10	·40	·21	26·2	26·2	24·3	29·6	1·6	1·9	·093	·085	65	60	E 1	NNE 1	10	6	—	⊔ 9p.
11	29·49	·85	29·4	31·4	25·9	36·2	1·4	2·6	·125	·119	77	68	NW 1	NW 1	1	0	—	
12	30·03	29·93	32·0	36·9	28·4	37·9	1·5	1·8	·148	·185	81	85	W 1	SSW 1	7	10	·115	⊔
13	29·47	28·99	41·4	44·7	34·2	45·1	0·7	0·4	·245	·286	95	97	WSW 1	SW 5	9	10	·370	Cloudy, with squally ↙ ●0.
14	·09	28·97	37·5	37·6	33·8	48·2	1·6	2·9	·193	·172	87	77	SW 1	W 2	8	8	·150	Cloudy, with ↙ ✳0 ●0.
15	·48	29·86	34·9	30·8	30·8	41·2	2·5	1·6	·156	·134	76	76	WNW 1	WSW 1	2	10	·070	⊔. ⊔ 9.45p.
16	·50	·58	38·0	45·0	29·8	48·2	0·9	3·4	·210	·226	92	76	S 1	WSW 1	10	8	·053	Cloudy, with squally ↙ ●0.
17	·77	·91	43·8	48·7	42·6	50·3	0·5	0·5	·274	·331	96	97	SW 2	WSW 1	10	10	·035	Dull and overcast. ●0
18	29·96	29·80	47·9	46·6	46·4	50·5	0·9	0·6	·311	·303	94	96	S 1	SW 6	10	10	·270	Overcast, with squally ↙ ●2.
19	30·02	30·03	41·9	40·4	39·3	48·4	2·7	1·8	·211	·214	80	86	W 2	WSW 1	6	9	·060	Cloudy, with ● showers.
20	29·73	29·84	40·9	39·3	39·3	47·7	1·2	2·2	·231	·197	90	82	WSW 1	NW 1	5	2	—	
21	30·07	30·10	39·5	37·6	36·4	43·0	4·9	2·5	·154	·179	64	80	NNW 2	N 1	8	5	—	Dull and cloudy.
22	·05	·01	39·7	38·9	35·7	41·8	2·4	0·8	·197	·221	81	94	WNW 1	E 1	10	10	·060	Gloomy and overcast. ●0.
23	·14	·26	37·1	34·9	34·9	41·2	2·2	2·8	·179	·151	82	74	E 2	NE 1	8	8	—	
24	30·19	30·12	33·7	38·0	28·5	42·5	2·3	3·2	·148	·170	76	74	NE 1	NW 1	8	10	—	
25	29·92	29·62	35·9	35·6	34·0	39·3	1·5	0·6	·182	·196	86	94	W 1	NE 1	10	10	·240	Gloomy and overcast, with ●0.
26	·71	·64	34·9	33·5	33·2	38·5	1·2	1·8	·180	·156	88	81	NE 1	NNE 1	5	6	·010	⊔. ●0 a. ✳0
27	·53	·53	33·7	34·4	31·8	38·1	1·7	3·0	·160	·143	83	72	E 1	ENE 1	9	10	·010	✳0.
28	29·66	29·80	33·8	33·0	31·9	37·0	1·8	1·8	·158	·151	82	80	E 2	E 2	10	7	—	✳0. Dull and cloudy.
Mean	29·651	29·653	36·7	36·9	33·3	42·4	1·9	2·3	·184	·178	81·4	78·5	1·6	1·9	7·3	7·4	2·250	

WOLFELEE.—FEBRUARY 1889.

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

1	28·83	28·67	46·0	37·0	41·4	52·8	0·9	0·7	·289	·206	94	94	SW	SW	—	—	·240	Blowy, with ●0 a. ● p.
2	·63	28·51	30·5	30·0	28·0	52·1	0·7	1·1	·152	·138	90	82	W	NW	—	—	·050	Cold and blowy a. Stormy p.
3	28·36	29·06	37·5	35·0	27·5	37·8	3·2	1·2	·166	·180	73	88	NW	NW	—	—	·150	Stormy, with ✳ and ✳ ● (sleet).
4	29·55	·67	33·5	29·0	28·0	37·8	0·7	0·7	·178	·139	92	88	NE	NE	—	—	·150	Stormy a. ● showers all day.
5	·41	·28	35·0	37·8	24·0	35·6	0·7	2·0	·190	·189	93	83	W	W	—	—	—	Dull and blowy a.
6	·26	·10	38·0	34·0	34·0	41·9	2·9	1·2	·175	·172	76	87	NW	NW	—	—	·100	
7	29·19	29·16	29·5	29·0	27·0	41·4	1·2	0·2	·131	·154	81	96	NE	NW	—	—	·080	✳ in past n. Dull a. and p.
8	28·52	28·61	38·5	30·5	22·0	40·9	3·2	0·7	·172	·152	74	90	NW	NW	—	—	—	Stormy a. and p.
9	·82	29·09	26·0	24·0	23·5	39·4	0·7	0·2	·117	·121	83	94	N	N	—	—	—	Stormy a. Clear and frosty p.
10	·95	28·71	22·0	20·0	17·0	38·9	0·2	0·2	·110	·100	94	93	SW	SW	—	—	—	Clear and frosty a. Fine and clear p.
11	28·95	29·30	26·0	29·3	16·0	30·8	1·7	0·3	·089	·154	63	95	E	NE	—	—	·450	Clear and frosty a. ✳ p.
12	29·53	29·49	19·9	34·0	14·5	33·8	0·3	1·2	·099	·172	91	87	W	W	—	—	—	Clear and frosty a.
13	29·07	28·68	35·0	37·5	19·0	39·8	0·2	0·7	·200	·211	98	94	W	SW	—	—	·180	Stormy a. Blowy, with ● p.
14	28·66	28·56	37·0	35·0	34·0	45·9	2·2	1·2	·179	·180	81	88	SW	SW	—	—	—	Fine a. Dull, with ✳ showers p.
15	28·96	29·50	32·0	25·7	29·0	42·9	1·7	0·4	·143	·126	78	91	NNW	SW	—	—	—	Fine and clear.
16	29·17	·13	34·0	43·0	21·0	40·4	2·2	2·2	·152	·230	78	83	SW	W	—	—	·150	Dull and blowy a. Fine and blowy p.
17	·34	·46	42·0	43·5	32·8	46·8	1·7	0·7	·231	·267	87	94	SW	SW	—	—	—	Fine a. Fine and blowy p.
18	·54	·38	47·0	46·0	38·0	50·8	1·4	1·2	·289	·283	90	92	SW	SW	—	—	·060	Dull, with ● showers a. Dull and
19	·57	·57	40·0	38·5	36·2	50·8	2·8	1·7	·193	·199	78	86	NW	W	—	—	·020	Fine and clear. [blowy p.
20	·27	·35	40·5	39·0	34·0	48·6	2·3	1·2	·206	·214	82	90	NW	W	—	—	·150	Fine a. ● p.
21	·56	·62	35·0	30·0	31·0	48·8	1·2	0·2	·180	·161	88	97	NE	NE	—	—	—	Dull a. Fine and clear p.
22	·57	·52	32·0	35·0	23·0	38·8	1·2	0·7	·153	·190	84	93	SE	E	—	—	·030	Stormy p.
23	·65	·75	32·0	32·0	28·0	41·9	0·2	1·7	·177	·143	97	78	NE	NE	—	—	—	Dull and blowy a. Dull p.
24	·67	·61	28·5	35·0	23·0	36·9	0·2	3·2	·151	·145	96	71	SSE	N	—	—	—	Fine, clear, and frosty a. Dull p.
25	·45	·18	33·5	33·5	28·5	37·4	1·2	0·7	·167	·177	87	92	NW	SW	—	—	·060	Dull and cold.
26	·24	·15	28·5	30·0	20·0	38·9	0·2	0·2	·151	·161	96	97	SE	SE	—	—	·030	Dull, with ✳ a. Dull p.
27	·05	·06	32·0	32·0	25·0	38·4	0·7	1·2	·165	·153	91	84	SE	S	—	—	·020	✳ showers a. ● showers p.
28	29·17	29·33	31·0	28·3	28·0	37·4	0·2	0·3	·168	·146	96	95	NE	E	—	—	·060	
Mean	29·175	29·196	33·7	33·3	26·9	41·7	1·3	1·0	·170	·174	86·1	89·4	—	—	—	—	1·980	

SCARBOROUGH.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht.		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	29·44	29·18	48·6	44·2	44·0	52·9	1·3	2·4	·309	·237	91	82	SW 4	W 3	10	0	·050	● a. Brilliant night.
2	29·21	·05	33·5	30·4	30·0	44·3	1·0	0·0	·172	·170	90	100	NW 3	SW 4	1	4	·030	✳ showers.
3	28·81	29·32	36·8	40·0	29·2	41·7	1·3	2·0	·193	·207	89	84	NW 3	N 8	3	7	·130	↙ ✳ ● (violent storm).
4	29·86	30·10	35·8	36·6	33·5	40·0	2·7	2·6	·160	·168	76	78	NE 10	NE 2	4	4	·050	↙ ✳ a. Brilliant p.
5	·98	29·73	32·6	40·6	31·3	41·5	0·9	2·2	·166	·208	90	83	SW 3	W 3	10	3	—	✳
6	·71	·61	40·0	35·4	35·0	41·8	2·7	1·3	·194	·181	78	88	NW 3	NW 1	6	9	·030	Fine, bright, and dry.
7	29·54	29·68	36·4	29·8	29·5	37·6	3·8	1·8	·146	·119	69	72	N 5	SW 3	8	1	·030	✳ ● (sleet) showers. ✳
8	28·97	28·90	40·4	33·1	28·5	43·3	0·2	0·8	·247	·172	99	91	SW 4	NW 10	10	3	·080	● a. Brilliant p. ↖ ↙ 2 (hurricane)
9	29·24	29·45	29·4	27·6	27·0	33·1	0·0	0·1	·162	·148	100	98	NW 5	NW 6	3	3	·030	Bright and stormy, then ✳. [9p.–10p.
10	·38	·18	25·6	26·7	23·2	30·3	1·1	0·0	·101	·088	75	96	NW 3	NW 2	5	9	·100	Fine, then ✳.
11	·32	29·70	33·6	31·1	26·5	38·3	0·1	0·5	·190	·161	99	93	NW 3	NW 2	5	4	·410	Fine a. ✳ in afternoon.
12	·93	30·05	33·3	26·9	26·9	35·8	0·3	0·1	·184	·143	97	98	NW 3	W 2	5	0	·100	Stormy, then brilliant.
13	·74	29·44	33·6	36·1	25·5	36·9	1·1	0·1	·170	·211	88	99	NW 4	W 3	10	10	·060	✳ ●
14	·15	·08	42·7	36·0	34·5	47·3	3·3	0·5	·207	·201	76	96	W 4	NW 3	6	1	—	Fair, brilliant, and mild.
15	·33	·87	36·5	35·2	33·5	40·5	1·8	1·7	·182	·172	85	84	NW 4	NW 2	1	6	—	Brilliant, but with cold wind.
16	·84	29·57	33·1	45·8	28·0	45·8	1·1	3·6	·166	·230	88	75	SW 3	NW 6	10	0	·030	✳ a. Brilliant, with ↙ (gale) p.
17	29·85	30·00	42·5	48·4	39·3	52·0	1·6	0·6	·238	·324	87	96	SW 3	W 1	4	10	—	Bright and mild.
18	30·08	29·97	49·9	46·0	45·5	52·5	0·8	1·3	·338	·280	95	91	SW 4	W 2	4	7	—	Bright and mild.
19	30·08	30·06	44·9	40·4	40·0	48·6	3·1	1·4	·231	·222	78	89	W 3	NW 2	2	1	—	Brilliant.
20	29·74	29·75	44·2	40·7	37·5	48·5	2·8	0·6	·229	·240	79	95	W 4	NW 1	2	6	·060	● showers.
21	29·96	30·05	36·6	36·5	35·0	41·0	0·9	0·2	·199	·212	92	99	N 6	NW 5	8	10	·160	Stormy, with ✳ ●.
22	30·00	29·96	37·9	37·4	36·5	39·6	0·7	2·2	·214	·182	94	82	N 2	N 3	10	1	·030	Raw and cold, with ● showers.
23	·10	30·20	35·0	34·6	32·0	37·4	2·8	1·3	·151	·175	74	87	E 4	NE 4	1	10	·020	Raw and cold, with ● showers.
24	30·10	30·03	36·7	35·8	33·5	38·6	3·7	2·5	·151	·163	70	77	NE 4	NE 3	9	10	·040	Raw and cold.
25	29·90	29·71	36·3	32·6	32·6	38·1	1·3	0·2	·188	·181	89	97	N 4	NE 1	10	10	·100	Raw and cold, with ✳ showers.
26	·70	·60	34·4	33·6	30·0	35·7	2·4	1·3	·152	·167	76	86	NE 2	NE 2	6	10	·160	Raw and cold, with ✳ showers.
27	·47	·54	36·8	32·9	32·0	38·5	1·3	1·4	·193	·158	89	85	N 2	E 3	9	10	·070	Raw and cold, with ✳ showers.
28	29·63	29·87	34·0	32·0	31·5	36·8	0·0	0·1	·196	·179	100	99	NE 2	E 4	9	7	·080	Raw and cold, with ✳ showers.
Mean	29·644	29·666	37·2	35·9	32·6	41·4	1·6	1·2	·194	·191	86·2	89·3	3·7	3·3	6·1	5·6	1·850	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—FEBRUARY 1889.

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

1	29·39	29·32	50·2	40·8	39·5	53·0	0·1	0·0	·362	·255	99	100	WSW 5	WNW 9	10	10	·088	Squally ↙ ● a. Squally ↙ △ ● 2.
2	·36	·24	34·0	35·0	33·2	41·0	0·0	0·6	·196	·192	100	94	WNW 6–7	WNW 7–8	9	7	·095	Squally ↙ ✳ △ showers. [< 9p.
3	29·08	29·54	42·0	39·8	34·4	43·6	0·8	0·8	·249	·228	94	94	NNW 8	N 5	7	2	—	Cloudy, with squally ↙.
4	30·12	30·24	38·0	33·8	33·8	41·0	1·0	1·7	·208	·160	91	82	NNE 5–6	N 3	3	1	·032	Squally ↙ (force 7) a. Very fine. ◠ p.
5	30·03	29·03	39·8	43·6	32·5	45·1	0·7	2·4	·230	·232	95	81	WSW 5	NNW 5–6	10	4	·201	≋9 (mist) a. Squally, with ● showers.
6	29·85	·59	42·3	43·0	41·6	43·7	0·8	0·4	·253	·268	94	97	NW 5–6	E 2	9	10	·773	Squally ↙ ● ≋9 ● 2 n.
7	·74	·78	37·5	38·0	34·6	46·0	3·5	2·8	·161	·176	72	77	NNE 4	W 3	7	10	·087	Fine day. ● showers at night.
8	·23	·33	44·3	37·6	34·9	45·0	3·1	3·8	·225	·157	77	70	NW 7–8	NNW 9	6	4	·075	Squally ↙ ✳ △ showers.
9	·57	·69	34·1	31·8	31·6	37·6	0·3	0·8	·191	·160	97	90	NNW 5–6	NNW 3	4	3	·017	Squally ↙ △ ✳ showers a. Fine
10	·49	·13	30·9	29·8	29·7	32·1	0·4	0·2	·163	·160	94	96	WNW 2	ENE 4–5	10	10	·308	✳ all day. [day.
11	29·53	29·87	32·0	32·6	22·5	35·4	0·2	0·8	·177	·169	97	91	N 1	NNE 4	2	1	—	✳ a. Very fine. [n.
12	30·10	30·11	35·3	36·6	25·2	39·7	3·3	1·8	·146	·183	70	84	N 2	SW 2	1	4	·690	Fine a. ✳ ● (sleet) showers. ● 2
13	29·69	29·32	42·3	47·8	36·2	47·8	0·6	0·6	·257	·317	96	95	WSW 4	WSW 5–7	10	10	·190	● 2 a. Dull day. Squally ↙ ● n.
14	·26	·23	43·2	40·6	39·4	49·9	2·8	0·6	·221	·240	79	95	WNW 4	WNW 6	9	8	·030	Squally ↙ ● showers p.
15	·58	·95	39·7	35·3	35·3	49·8	1·7	1·5	·210	·176	86	86	NW 5–6	NW 1	4	8	·260	Squally, with ● showers a. Fine day.
16	·68	29·74	43·8	46·2	32·5	52·0	0·4	2·0	·276	·267	97	86	SW 6	WNW 6	10	4	·090	● 2 a. Squally ↙. ● p.
17	29·92	30·07	48·2	49·2	42·0	51·6	0·2	1·0	·332	·324	99	93	W 4–5	WSW 5	10	10	—	≋9 (mist) a. Dull day. Squally ↙ p.
18	30·15	·05	49·8	48·8	46·1	50·0	2·4	1·8	·298	·300	83	87	WSW 3	WSW 6	9	10	·001	Dull day. Squally ↙ ● p.
19	30·21	30·19	44·0	43·2	42·0	48·8	3·0	0·6	·224	·266	77	95	WNW 4	WNW 3	10	8	·210	Dull day. ● showers from 3.30p.
20	29·87	29·92	45·0	43·5	41·6	47·9	1·4	2·3	·266	·233	89	82	NW 5	NNW 6	10	3	·017	● a. Squally ↙ ● showers.
21	30·11	30·17	44·8	37·8	37·8	46·4	2·2	1·6	·249	·196	83	87	N 2	N 2	4	4	—	Very fine.
22	·10	·03	42·9	38·7	34·2	46·0	1·6	0·0	·241	·235	87	100	NNW 1	E 2	9	10	·107	Dull day. ● from 4.30p.
23	·13	·28	40·0	35·8	35·7	40·7	2·8	2·8	·193	·159	78	75	E 3	NE 1	2	10	—	Fine day.
24	30·20	30·13	34·6	38·0	32·0	41·8	1·9	3·2	·163	·170	81	74	N 1	NE 3	9	9	—	Fine day.
25	29·98	29·70	38·3	36·2	34·6	43·0	2·3	0·2	·187	·210	81	98	N 1	Calm 0	9	10	·100	Dull day. ● n.
26	·70	·65	37·0	36·2	34·2	39·4	0·2	0·6	·216	·202	98	94	ESE 3	E 2	10	10	·011	≋9 (mist) a. ✳ n.
27	·54	·51	33·9	37·8	32·6	37·8	0·1	1·4	·193	·199	99	88	ENE 3	ESE 5	10	10	·013	Dull day, with ✳ showers. ↙ p.
28	29·63	29·76	35·0	35·8	32·2	37·8	0·2	0·0	·200	·210	98	100	ESE 4	ESE 4	9	10	·001	Overcast, with ✳ showers.
Mean	29·759	29·766	40·1	39·0	35·1	44·1	1·4	1·2	·225	·216	89·0	89·0	4·0	4·1	7·6	7·1	3·396	

STONYHURST.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht.		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	29·23	29·06	48·6	43·3	42·5	50·1	0·4	2·6	·333	·225	97	80	SW 2	W 6	10	8	·260	Overcast, with ●. < 2 9p.
2	29·09	28·95	35·2	35·2	31·4	45·0	2·3	3·2	·161	·147	79	71	WbyS 5	W 6	9	10	·230	↙ △ ✳ a. and p.
3	28·74	29·19	38·3	37·2	29·9	45·5	3·1	3·6	·173	·158	75	71	NWb.W 5	NNE 4	4	0	·018	Squally ↙ a.
4	29·72	·96	36·0	33·0	31·7	38·9	4·8	2·0	·130	·147	60	78	NE 4	NbyE 1	0	0	·040	✳0 4-30p.
5	·81	·65	33·3	40·9	30·2	41·9	1·3	2·7	·164	·202	86	80	WSW 1	WbyN 3	10	10	·195	✳ a.
6	·60	·39	40·5	39·2	38·5	44·4	1·9	1·0	·213	·220	85	92	ENE 2	WbyS 1	10	10	·287	
7	29·41	29·55	34·0	31·0	28·5	39·9	2·2	2·6	·152	·115	78	66	NbyE 2	swb.s 1	8	10	·239	✳ a. ⊔ 8p.
8	28·89	29·94	43·9	35·8	24·9	49·0	0·7	4·5	·270	·133	95	62	WSW 5	WNW 7	10	3	·084	↙ ● 2 a. Squally ↙ △ ✳ p.
9	29·22	29·40	29·9	27·3	22·3	41·5	3·9	1·0	·080	·118	49	80	NW 4	W 1	0	0	—	Fine and sunny.
10	·28	28·89	27·2	26·8	23·3	28·9	2·2	1·4	·086	·103	59	72	NW 1	NEb.E 1	10	10	·139	Overcast, with ✳.
11	·20	29·52	26·9	31·0	21·4	34·8	2·9	1·0	·069	·148	48	85	NNE 1	NNE 2	6	0	—	
12	·81	·87	30·3	31·2	25·2	37·2	3·3	0·5	·094	·163	57	93	SbyW 1	SW 1	0	10	·120	Fine and sunny a.
13	·54	29·15	34·4	44·1	30·7	44·5	1·1	0·4	·177	·280	88	97	swbys 3	swb.w 2	10	10	·990	✳ a., then ●. ≋ 2p.
14	·01	28·96	41·8	38·7	37·9	46·7	1·6	2·2	·231	·193	88	83	WbyS 5	W 4	10	4	·070	Squally p.
15	·27	29·71	37·5	31·8	31·7	41·9	3·6	2·7	·159	·121	71	67	WbyN 2	Calm 0	0	0	·006	△ 2 1a. Fine and sunny a.
16	·60	·50	34·7	44·0	29·0	46·9	2·5	2·8	·154	·228	76	78	SbyW 2	WbyS 6	10	1	·125	✳ ● a.
17	·76	·89	42·3	46·5	39·9	47·6	0·3	0·8	·263	·298	98	94	WSW 1	WbyS 2	10	10	·194	● a. Dull and overcast.
18	·65	·85	45·4	44·2	43·7	48·8	0·5	1·9	·293	·248	97	85	WSW 2	swb.w 4	10	10	·244	Overcast.
19	·96	·03	42·2	40·5	38·5	45·3	2·3	1·4	·221	·222	83	89	WNW 2	W 2	10	6	·008	Overcast.
20	·64	·62	42·2	40·5	38·6	45·9	1·0	2·5	·247	·202	92	80	Wb.N 3	WbyN 1	10	3	·065	
21	·84	·93	37·3	34·0	32·9	41·3	2·7	3·6	·173	·129	78	66	Calm 0	NbyE 1	8	0	—	
22	·86	29·79	33·2	38·3	29·7	40·5	2·0	3·3	·149	·170	79	73	Calm 0	NbyE 1	10	10	·017	Dull and overcast.
23	·90	30·02	33·0	32·7	31·8	38·5	1·5	2·2	·157	·140	83	75	EbyN 1	NE 1	8	10	—	✳ a.
24	·94	29·86	32·9	32·0	29·9	39·8	3·2	0·8	·124	·162	67	89	NbyE 4	NNE 1	9	9	—	✳0 p.
25	·73	·49	35·4	32·1	30·0	40·7	3·5	2·1	·145	·136	69	74	N 1	Calm 0	7	10	—	
26	·49	·41	33·3	32·4	31·1	38·5	2·1	2·2	·148	·138	78	75	NEb.E 1	Calm 0	10	10	·027	✳0 4p. Ψ 6.30p.
27	·29	·30	32·3	33·5	31·2	38·0	1·1	2·0	·159	·152	86	79	Calm 0	ENE 1	10	10	·018	✳0 a. Overcast and gloomy.
28	29·41	29·54	31·3	30·9	30·0	36·5	1·8	3·0	·134	·106	76	62	NEb.E 1	NE 1	10	10	·022	Overcast, with ✳.
Mean	29·507	29·511	36·2	36·0	31·7	42·1	2·1	2·1	·174	·172	77·7	78·4	2·2	2·2	7·8	6·6	3·398	

HILLINGTON.—FEBRUARY 1889.

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

1	29·62	29·46	49·4	51·3	46·5	55·4	0·6	1·6	·336	·336	96	89	SW 3	WSW 7	10	10	·010	↙ ● 0 p. [↙ n.
2	·46	·29	34·8	33·8	33·1	52·0	2·1	2·1	·162	·153	80	79	W 6	WNW 7	3	0	·010	↙ ✳0 7.30a. Fine and sunny. ✳ p.
3	·02	29·16	32·8	38·0	30·0	46·5	1·0	0·5	·166	·218	89	96	NW 3	NE 5	9	10	·100	Cloudy. ● 2p.—3p. and 9p.
4	29·74	30·15	34·2	32·7	30·9	39·3	0·6	0·9	·184	·167	94	90	NE 2	NE 4	8	3	·097	△ ✳ 8a. ✳ 2 9a. and 5p.
5	30·11	29·86	33·3	39·2	26·5	40·4	1·4	0·6	·161	·227	85	95	WNW 2	WSW 4	10	10	·004	Cloudy and overcast.
6	29·81	·67	38·6	35·7	34·0	43·5	1·9	0·7	·197	·195	85	94	N W 1	N 0·5	10	10	·200	3/ 25.2.94.
7	·44	29·84	35·7	31·6	31·2	40·2	1·0	1·8	·189	·137	91	77	NNW 3	NW 3	9	6	—	✳0 4p. Ψ 6.30p.
8	·30	28·95	36·8	36·1	28·8	43·2	1·4	2·5	·191	·166	88	78	WSW 7	NW 8	8	0	·088	● 2 noon—1p., then fine. ↙
9	·35	29·55	31·6	28·2	27·8	37·2	0·7	1·2	·161	·118	91	77	NW 7	NW 7	0	0	—	⊔ ↙ a. Very cold.
10	·59	·19	24·9	28·0	21·6	31·2	1·9	0·3	·076	·144	57	94	NW 1	SE 2	0	10	·200	Fine and sunny, then cloudy. ✳ p.
11	·43	29·72	30·5	29·7	27·3	36·3	0·2	0·1	·165	·162	98	98	NW 2	NW 0·5	10	10	·430	✳ 2 a. Fine and sunny. ✳ p.
12	29·95	30·17	29·7	16·1	5·6	36·2	0·1	0·1	·162	·086	98	97	N 1	NNE 1	10	6	·120	✳ showers. Beautiful day. Ψ p.
13	30·01	29·60	24·9	36·5	13·0	36·6	0·2	0·2	·127	·212	95	99	SW 2	SW 5	10	10	·210	● and ✳ ● (sleet) a. ● 2 from
14	29·33	·25	40·5	37·2	35·3	44·4	1·9	1·7	·213	·188	85	85	W 1	W 3	9	2	—	Extraordinarily rapid thaw. [6.30p.
15	29·41	·94	36·1	34·7	34·2	42·5	2·3	2·1	·169	·160	79	79	NW 5	NW 2	1	2	—	Fine, sunny, and windy. [● later.
16	30·04	29·81	29·9	42·3	25·2	42·8	1·4	0·5	·129	·259	78	96	SW 2	NW 5	10	2	·065	⊔ ∞ a. ✳ and ✳ ● (sleet) 1p.
17	·02	30·15	42·8	46·7	38·5	52·8	2·1	1·1	·231	·293	84	92	NW 3	NW 2	7	10	·003	Overcast p. Beautiful dark-red sunset.
18	·28	·20	40·2	43·7	35·9	54·5	0·5	1·0	·238	·262	96	92	SW 1	SW 4	3	2	—	⊔ 8 a. Very fine and pleasant.
19	30·21	30·20	46·0	39·0	37·2	48·4	1·1	2·1	·285	·197	92	83	NW 2	W 1	8	0	—	Fine day.
20	29·90	29·81	40·2	37·6	35·5	47·7	0·5	0·8	·238	·209	96	93	W 3	NW 2	10	5	·176	Fine a. Ψ 4p. ● 2 △ 2 shower.
21	29·99	30·11	35·5	35·9	33·8	40·3	0·3	1·1	·201	·188	98	90	NW 3	NW 3	10	5	·090	✳ early a. ✳ ● (sleet). ✳ 2 9a.
22	30·03	29·99	34·7	33·9	32·7	38·5	0·5	0·4	·191	·186	95	96	NW 3	NE 1	10	4	·018	✳ ● (sleet) a. Overcast p
23	·12	30·18	32·7	34·0	28·9	37·1	1·0	2·2	·164	·152	89	77	NE 3	NE 4	8	2	·047	✳0
24	30·11	30·04	34·4	33·6	31·6	39·4	2·2	1·1	·156	·170	78	88	NE 2	NE 2	10	10	·046	✳0 showers.
25	29·92	29·78	33·8	31·7	31·2	39·3	0·2	0·9	·189	·158	98	89	NE 1	NE 1	10	10	·020	✳0 showers.
26	·75	·64	33·4	31·2	27·8	36·7	1·2	0·6	·166	·160	87	92	NE 1	N 0·5	10	10	·027	✳0 showers. Overcast.
27	·54	·59	34·3	32·9	30·9	37·8	1·0	1·0	·177	·166	89	89	NE 1	NE 2	10	10	·020	✳0 showers. Overcast.
28	29·64	29·80	31·0	30·1	29·9	35·2	0·1	0·1	·171	·165	99	99	NE 1	NE 1	10	5	·026	✳0 a. and p.
Mean	29·755	29·753	35·1	35·1	30·2	42·0	1·1	1·0	·186	·187	88·9	89·4	2·6	3·1	8·0	5·9	2·007	

CHURCHSTOKE.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·11	29·02	52·7	42·8	41·0	54·1	1·2	0·9	·365	·255	92	93	SW 2	SW 6	9	5	·170	Cold ✐.
2	29·06	28·89	36·9	33·9	31·0	43·3	2·0	1·0	·182	·174	83	89	W 2	WNW 4	8	10	·230	✳ ▲
3	28·69	29·02	26·4	37·3	32·0	41·6	1·5	2·4	·185	·177	87	80	NW 4	NW 5	10	8	·030	✳ a. Very rough day.
4	29·36	·69	34·9	29·9	29·0	38·4	3·0	1·4	·148	·129	72	78	NNW 4	NW 1	8	2	·010	Rough and threatening. ✳⁰
5	·66	·52	34·9	40·8	28·1	42·3	1·6	2·7	·172	·200	84	79	W 1	W 2	10	8	—	
6	·44	·16	44·6	43·8	39·0	45·1	2·6	0·9	·237	·265	80	93	W 3	W 2	10	10	—	
7	29·08	29·41	34·9	33·3	29·1	46·1	2·0	1·4	·165	·160	80	85	NNW 2	W 2	10	9	·104	Cold day
8	28·84	28·91	45·8	35·1	32·0	46·8	1·1	2·2	·281	·162	92	78	SW 4	NW 3	10	5	—	Squally. ✳ storm in evening.
9	29·07	29·23	31·7	25·0	24·3	36·0	1·8	1·0	·139	·100	77	74	NW 3	W 2	10	0	·170	✳ early a. ✢
10	·09	28·56	29·7	27·0	19·8	30·4	1·8	0·0	·118	·147	72	100	NW 2	SE 1	10	10	·440	✳ a. and p. ✐ a. ≋ (mist).
11	·01	29·34	25·5	30·9	18·3	33·2	2·5	1·0	·067	·148	49	85	WNW 2	NW 2	6	10	—	⌴. ✳ (7 ins. deep).
12	·60	·71	28·9	31·9	19·3	38·0	1·5	1·0	·117	·157	75	87	WNW 2	W 1	6	10	·030	⌴. Bright day.
13	29·38	29·04	36·5	46·8	26·9	47·1	0·6	1·9	·204	·275	95	86	SW 4	SW 5	10	10	·045	Steady thaw all day.
14	28·91	28·87	44·3	38·4	38·4	50·1	1·6	1·5	·255	·203	88	87	W 2	W 3	10	8	·070	✳ n. Dull and mild.
15	29·19	29·55	38·8	32·9	30·8	44·3	2·9	1·8	·181	·150	77	80	WNW 3	NW 1	5	9	·040	Cold wind.
16	·42	·42	38·8	44·8	29·0	51·7	1·7	1·9	·202	·253	86	85	SSE 5	W 3	10	2	·060	
17	·62	·77	47·2	47·2	37·4	55·1	1·3	2·0	·294	·277	91	86	E 1	W 2	9	9	—	Cloudy and mild a. Bright p.
18	·81	·73	48·7	44·8	43·8	52·1	2·8	1·9	·275	·253	80	85	W 3	SW 4	9	5	—	Dull and mild a. Bright p.
19	·81	·79	47·9	38·6	37·2	49·1	2·5	1·7	·273	·200	83	86	NW 2	SE 2	10	6	—	⌒. Cold wind.
20	·52	·49	44·8	40·8	37·8	49·1	1·7	2·9	·258	·198	87	77	WNW 2	W 3	9	6	—	Cold wind.
21	·64	·72	41·0	32·4	30·8	44·1	2·3	1·5	·210	·150	82	82	NW 2	NNW 1	10	0	—	⌴
22	·62	·58	36·3	37·7	27·2	42·5	2·2	2·3	·172	·182	81	80	NW 2	NW 1	10	10	—	Cold wind.
23	·66	·68	34·4	31·9	30·2	38·4	1·7	1·6	·165	·145	83	80	E 3	NE 2	9	10	—	Threatening.
24	·73	·62	32·9	32·9	29·0	37·8	1·0	1·0	·166	·166	89	89	N 2	NE 2	9	10	—	Dull and cold.
25	·53	·27	28·5	28·4	26·3	39·0	1·5	1·4	·113	·115	74	75	W 2	NE 2	9	2	—	Sharp and threatening.
26	·24	·17	34·7	31·3	26·3	37·0	3·4	1·4	·139	·143	69	81	E 2	E 2	8	10	—	✳⁰ early a.
27	·07	·04	31·7	31·9	28·1	35·4	1·2	1·9	·151	·139	85	76	NW 1	NNW 1	10	10	·030	✳ at night.
28	29·16	29·28	31·9	28·9	28·0	33·4	2·0	1·0	·136	·131	75	83	E 2	NE 2	9	4	·030	Threatening and very cold.
Mean	29·332	29·338	37·7	35·8	30·4	42·9	1·9	1·6	·192	·181	81·0	83·5	2·5	2·3	9·0	7·1	1·459	

CARMARTHEN.—FEBRUARY 1889.

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

1	29·54	29·51	49·9	42·9	42·7	52·3	0·2	4·2	·355	·193	99	70	SW 3	W 5	10	0	·050	Overcast, with ● 0 all day.
2	·56	·41	40·9	40·7	35·0	43·5	5·2	4·4	·160	·172	62	68	W 5	W 6	5	5	·020	✳. Cold and windy. ▲ 11.30p.
3	·20	29·35	40·9	41·6	36·4	42·5	3·9	4·9	·182	·172	71	66	NW 6	N 7	6	3	·100	Squally, with frequent ▲ showers. <
4	29·92	30·16	40·2	34·2	34·0	42·3	1·9	2·1	·210	·156	85	79	N 7	Calm 0	2	0	·010	Squally a. Fair, but cold. [n.
5	30·10	29·97	34·9	43·6	31·5	44·0	1·0	2·1	·183	·238	90	84	N 1	Calm 0	10	10	·040	∞ 9a. Dull, with frequent ● 0
6	29·92	·65	44·4	46·8	42·3	48·6	1·9	1·0	·249	·296	86	93	NW 1	Calm 0	10	10	·130	Dull day. ● 0 p. [showers.
7	·59	·82	41·6	36·9	36·2	48·7	3·8	2·4	·188	·174	73	80	N 2	NW 1	4	10	—	Fair.
8	·33	·39	47·4	38·7	36·2	49·9	0·9	5·1	·305	·146	94	63	SW 5	NW 6	10	6	·050	Overcast, with ● till noon. ✳⁰ after
9	·56	29·66	35·1	29·4	28·9	39·5	0·9	0·6	·186	·145	91	90	NW 5	N 2	7	7	·160	Stormy. ✳⁰. [10p.
10	·44	28·96	28·0	46·9	23·5	41·3	0·3	3·2	·144	·193	94	76	E 2	NW 4	10	8	·490	✳ till noon.
11	29·42	29·74	35·5	34·4	28·7	41·3	3·9	3·8	·139	·130	66	65	Calm 0	N 3	0	6	—	Fine day.
12	30·06	30·10	41·4	34·4	25·5	43·5	6·1	2·6	·151	·149	58	75	N 1	Calm 0	0	6	·330	Fair. Ψ 9p.
13	29·86	29·56	40·1	48·8	31·5	49·4	0·6	1·4	·235	·309	95	90	SW 2	W 5	10	10	·540	Overcast, with ● all day.
14	·31	·32	45·8	41·9	40·8	50·7	1·0	2·9	·285	·207	93	79	N 1	NW 2	10	1	·150	Frequent ● showers.
15	·60	·94	40·6	36·2	35·4	47·2	3·3	2·0	·188	·175	74	83	NW 2	NW 2	9	1	·260	Fine day.
16	29·86	29·89	40·4	44·8	29·9	52·4	0·7	2·3	·236	·245	95	83	SE 2	Calm 0	10	0	·140	● till 2p.
17	30·04	30·17	45·0	46·8	39·1	51·1	0·3	0·3	·292	·313	98	98	Calm 0	SW 2	10	10	·010	Dull, with ≋⁰ ● 0.
18	·24	·22	48·1	46·3	44·6	50·8	1·6	1·2	·296	·285	89	92	SW 1	SW 4	9	10	·030	Fair.
19	30·23	30·14	49·5	41·9	41·5	49·6	0·9	0·4	·328	·257	94	97	W 2	Calm 0	10	10	·110	Dull all day.
20	29·95	29·90	49·0	43·3	41·4	53·4	2·7	2·8	·280	·221	81	79	NW 2	W 1	8	5	·120	Fair a. Frequent ● showers p.
21	30·03	30·09	48·8	37·2	37·0	51·0	4·4	1·4	·244	·194	70	87	N 1	Calm 0	6	0	—	Fine day.
22	·05	29·94	33·9	40·2	29·1	46·8	1·3	0·9	·169	·230	86	92	Calm 0	SE 1	9	10	·050	Dull day.
23	·01	30·12	37·4	32·9	32·5	44·2	2·5	3·8	·176	·115	79	62	N 1	N 2	8	0	—	Fine day.
24	30·11	30·02	36·9	30·9	28·3	44·3	5·0	2·2	·134	·121	61	70	N 2	Calm 0	1	0	—	Fine day. ✳ 2p.
25	29·92	29·62	38·2	29·5	25·9	44·3	5·3	1·0	·139	·136	60	84	N 1	Calm 0	0	0	—	Fine day.
26	·58	·54	33·2	33·2	26·5	42·5	1·6	2·6	·156	·138	83	73	N 1	E 1	9	10	—	Fine, but with cold wind.
27	·44	·42	33·9	32·6	31·4	38·5	2·2	0·6	·152	·172	78	93	E 1	NE 1	10	10	·080	Dull and cold. ✳⁰.
28	29·52	29·62	34·5	32·1	29·9	38·5	2·5	2·5	·152	·128	76	70	Calm 0	NE 2	10	7	—	✳ before 9a. Fair.
Mean	29·768	29·757	40·5	38·7	33·8	46·1	2·4	2·3	·211	·193	81·5	80·0	2·0	2·0	7·3	5·5	2·870	

MARGATE.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·72	29·51	51·4	53·1	47·8	54·8	0·6	2·1	·364	·346	96	85	WSW 2	SW 5	10	9	·010	Fine and sunny. ✐
2	·58	·48	38·0	34·6	34·1	53·1	2·9	0·4	·175	·192	76	96	SW 5	SW 5	0	10	—	✐ a. and p. Colder. ✳ p.
3	·13	29·09	33·8	33·8	32·9	41·6	1·6	0·1	·162	·192	83	99	SW 3	Calm 0	0	2	·050	⌴⁰ a. Fine, but cold. ◠ 9p.
4	29·57	30·07	37·8	32·6	30·0	42·0	1·8	0·2	·192	·181	85	97	N 2	E 3	10	2	·160	▲ a. ✳ ≋ p.
5	30·13	29·95	31·5	36·8	29·1	39·4	2·2	0·8	·128	·203	72	93	SW 2	W 4	2	10	—	⌴ a. ✳⁰
6	29·86	·78	39·3	39·4	36·0	44·8	1·1	0·5	·218	·231	92	96	SW 4	SW 1	10	10	·410	Fine day.
7	·88	·86	38·8	35·6	34·8	40·0	0·3	2·2	·230	·168	98	80	NE 4	NE 4	10	9	·030	● a. Ψ
8	·49	·19	38·1	36·8	30·0	47·8	1·9	3·0	·193	·163	84	75	SW 5	NW 6	10	1	·130	Stormy ✐. ▲ 2 3.30p. < 0
9	·38	·56	33·8	30·8	30·8	36·8	3·8	3·4	·124	·097	63	57	NW 6	N 5	4	0	—	✐ (gale) n. and during day.
10	·66	·25	27·8	31·0	25·9	31·7	2·8	0·2	·078	·169	53	97	SW 3	E 3	0	10	·320	✳ 2 storm.
11	·26	29·70	32·8	31·8	30·0	34·2	1·8	1·5	·149	·145	80	81	E 3	NNW 2	10	2	·110	Frequent ✳ showers. ▲ 3p. ⌴ 9p.
12	29·96	30·18	28·8	32·0	26·3	34·0	0·8	0·2	·135	·176	86	97	W 4	SW 1	10	2	—	✳ early a. Cold and bright. ⌴ p.
13	30·15	29·72	25·0	36·8	16·4	36·8	1·3	0·6	·092	·206	68	95	SW 3	SW 5	8	10	·170	⌴ 2 a. Thaw. ✐ ● 2 p.
14	29·42	·29	45·6	39·9	36·0	46·8	0·6	0·9	·292	·227	96	93	W 4	W 2	10	9	·140	● 2 in past n.
15	29·47	·94	38·1	38·0	36·8	42·6	2·5	2·7	·182	·179	79	77	W 4	N 3	0	9	—	Sunny.
16	30·13	29·90	34·8	42·7	30·0	42·8	2·6	0·6	·153	·261	75	95	NW 2	SW 3	2	3	·030	⌴ a. ✐ ● p.
17	·05	30·25	41·7	49·6	38·2	54·4	2·5	1·6	·213	·315	81	89	SW 3	SW 3	6	9	—	✐ before 9a. Very mild.
18	·34	·30	46·0	44·4	40·9	54·6	2·0	1·5	·264	·258	86	88	SW 2	SW 2	5	8	—	Fine and mild.
19	30·29	30·25	45·8	43·0	42·1	49·4	1·3	2·8	·277	·218	91	79	SW 3	SW 2	10	6	·010	Cloudy.
20	29·96	29·82	41·7	39·1	36·8	45·6	2·1	0·3	·220	·232	84	97	SW 3	SW 2	10	0	·060	● 8p.
21	29·97	30·05	37·7	38·0	35·1	40·8	1·9	2·0	·189	·190	83	83	N 3	NW 2	9	10	·020	Fine day. ▲ 2 3.30p.
22	30·02	29·97	35·6	35·3	33·8	38·6	1·1	1·1	·186	·184	90	90	NW 3	N 1	8	0	·070	▲ 10a.
23	·02	30·09	32·3	36·1	28·6	36·8	0·5	1·7	·172	·180	94	85	E 2	E 4	10	10	·080	▲ 4a. ✳
24	30·07	29·99	34·8	34·0	32·8	37·1	2·3	1·4	·158	·168	78	85	N 2	N 3	10	10	·110	Cold, with ✳ ▲ showers.
25	29·95	·76	34·7	32·2	31·8	36·1	0·8	0·2	·185	·177	92	98	N 2	N 2	9	10	·060	✳
26	·71	·61	32·6	34·1	29·0	35·0	1·1	1·9	·162	·158	88	80	E 1	NE 3	10	10	·020	✳⁰
27	·49	·51	35·5	32·0	31·0	36·8	1·4	0·8	·180	·162	87	90	NE 1	NE 3	10	10	·070	✳⁰
28	29·56	29·68	31·5	33·8	29·0	34·7	2·8	2·5	·116	·146	66	75	E 2	E 3	5	10	—	✳⁰
Mean	29·775	29·776	36·6	37·0	32·7	41·8	1·7	1·3	·185	·197	82·4	87·6	3·0	2·9	7·1	6·8	2·060	

SOUTHAMPTON.—FEBRUARY 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

1	29·76	29·60	51·0	51·9	50·7	55·7	0·9	1·0	·351	·359	94	93	SW 2	W 2	10	10	·010	Fine and mild. ● from 5p. [9p.
2	·73	·57	37·6	37·7	36·5	52·7	2·4	1·5	·181	·197	80	87	W 2·5	NW 5	0	10	·103	Beautiful a. △ 2 ✳ 2p. ✳ ● (sleet)
3	·25	29·14	35·2	40·4	32·9	46·6	1·5	2·6	·177	·199	86	80	WNW 1	NW 7	9	10	·100	▲ ✳ early a. Squally cold ✐. ● p.
4	29·81	30·17	36·1	32·5	31·7	41·7	2·4	1·5	·169	·152	79	83	NNW 4	NNE 4	2	2	·013	Beautiful a. △ ✳ showers p.
5	30·24	30·07	31·5	39·1	28·5	40·5	0·7	1·0	·161	·219	90	92	W 1	W 2·5	9	10	·008	∼ 9a. Fine and dry.
6	29·99	29·81	42·2	44·9	39·0	47·3	1·5	0·6	·237	·283	89	95	WNW 1·5	SW 1	10	10	·185	Fine and mild.
7	·49	·97	45·2	32·0	31·5	47·4	1·0	1·1	·278	·155	93	86	NNE 4	WNW 1	10	1	—	Fine and dry, but with cold wind.
8	·60	·43	43·5	36·6	29·7	50·6	1·9	2·6	·242	·169	85	78	W 3	NW 4·5	7	1	·028	
9	·59	·74	33·3	28·8	28·6	40·6	2·5	2·0	·140	·105	74	66	NW 3·5	NW 1	0	0	—	Fine and dry, but with very cold wind.
10	·72	·13	28·8	36·5	24·3	36·8	0·6	0·5	·141	·206	89	95	SW 0·5	WNW 1	10	5	·450	⌴ 2 a. ✳ 11a.—6p. Morn. obs. 9.20a.
11	29·40	29·80	31·5	28·3	28·1	39·0	0·4	1·3	·168	·117	95	76	NE 4	NW 1·5	10	0	·025	✳ 8a.–1p. Beautiful, clear, and frosty
12	30·10	30·24	26·0	29·6	21·8	38·7	0·1	1·5	·138	·124	98	76	NW 2·5	NW 2	1	0	—	⌴ 8 a. Beautiful day. [n.
13	30·16	29·76	31·2	44·6	24·7	45·2	0·8	0·1	·155	·293	88	99	SE 1	SW 1	10	10	·300	Dull, with ≋ 2 a. ● 10a.—8p.
14	29·49	29·42	51·0	40·6	40·2	52·1	1·5	0·6	·336	·240	90	95	SW 2·5	NW 2	10	4	·268	● 10a.—5p.
15	29·63	30·05	41·2	35·2	35·1	50·2	2·8	1·8	·203	·171	79	83	NW 4	NW 1	0	0	—	Beautiful day throughout. ⌴ n.
16	30·14	29·99	35·9	46·0	30·3	48·2	0·9	0·5	·194	·299	92	97	S 1	W 2	10	0	·181	Dull and damp, with ≋⁰ a.
17	·27	30·33	45·2	48·0	41·2	55·8	0·9	0·9	·280	·312	93	94	W 1	W 2	10	10	·005	Fine and mild.
18	·41	·37	46·7	46·0	45·0	51·6	0·7	1·0	·302	·287	95	93	SW 1·5	SW 2	10	10	—	Fine and mild.
19	·36	30·31	46·7	45·9	44·7	50·4	1·5	0·8	·284	·290	89	95	W 2·5	WNW 1	10	10	·152	● 0 from 11a.
20	·03	29·92	45·1	43·9	42·4	55·6	0·3	3·1	·293	·221	97	77	WNW 1·5	NW 4·5	10	1	·013	● 2 shower 5p.
21	·18	30·17	43·0	35·7	35·1	47·4	3·0	2·4	·215	·165	78	79	NW 3	NW 3	0	8	—	Fine and dry, with cold wind.
22	·14	·03	33·0	38·3	30·2	43·7	2·0	2·0	·147	·192	78	83	NNW 2·5	NNW 3	9	10	—	⌴⁰ a. Fine and dry, with cold wind.
23	·09	·17	36·2	34·2	30·2	40·7	3·2	1·3	·156	·172	73	86	NE 3·5	NE 3	1	10	—	⌴ a. Beautiful day, with very cold
24	30·18	30·06	33·3	35·3	29·7	40·2	1·2	2·1	·166	·166	87	80	NE 3	NE 2·5	9	10	—	✳⁰. [wind. ✳⁰.
25	29·97	29·80	34·0	33·7	31·4	38·3	1·8	0·9	·160	·175	81	90	NE 3	NE 1	10	10	—	✳⁰.
26	·72	·64	33·3	33·0	31·3	42·6	1·5	1·9	·160	·149	84	79	ENE 2	NE 1·5	10	10	—	✳ 9a.—11a., then fine and dry, but [cold.
27	·54	·52	33·8	33·8	30·8	38·2	1·5	1·3	·164	·168	84	86	NNE 2·5	NE 2·5	10	10	·022	Fine, but cold a. ✳ p.
28	29·62	29·73	31·7	31·5	30·8	38·0	1·0	0·5	·156	·166	87	94	NNE 2	NE 2	10	10	·048	✳ a. and p.
Mean	29·875	29·854	38·0	38·0	33·4	45·6	1·4	1·4	·206	·205	86·7	86·3	2·4	2·4	7·4	6·5	1·911	

BABBACOMBE.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·56	29·45	50·7	48·1	48·1	53·1	0·1	2·2	·367	·283	99	84	WSW 3	WNW 5	10	2	·060	[3p.
2	·57	·42	39·8	39·9	35·5	48·1	3·2	2·0	·184	·206	75	84	WNW 4	W 5	3	2	·280	9.30a. Dull day. (mist) till
3	·11	·13	39·0	40·1	34·3	45·6	3·0	3·2	·181	·186	77	74	NW 5	N 7	1	3	·020	a. 2 1p. 6p.
4	29·63	·07	38·1	34·9	33·6	40·4	4·2	3·0	·154	·148	67	72	NNE 6	NNE 4	2	1	—	n. p. [(gale).
5	30·02	·87	33·8	40·7	31·8	40·7	1·9	0·8	·156	·237	80	93	WNW 1	WSW 3	10	9	—	(gale) a. 0 showers 11a.–2p.
6	29·82	·61	44·7	47·0	40·0	49·5	2·9	1·6	·232	·284	79	89	WNW 3	W 3	9	10	·020	(mist) a. p.
7	·34	·75	45·4	36·1	36·0	47·7	1·8	1·6	·262	·182	87	86	NW 4	W 1	9	10	—	(mist) 0 p. (squall,
8	·39	·34	44·8	38·1	35·4	50·6	1·1	3·2	·271	·170	92	74	WSW 5	NW 4	8	2	—	[force 5), 7p.
9	·46	·58	37·6	29·6	29·6	41·8	5·0	1·1	·139	·134	62	82	NW 4	NW 2	2	1	·010	0 showers p. [(gale) p.
10	·45	·00	31·8	41·6	26·8	44·1	1·2	5·3	·152	·165	84	64	SW 1	WNW 5	10	1	·370	2 (mist) till 11a. 8a.—1p.
11	·24	29·61	34·5	31·1	31·1	41·9	2·9	2·3	·145	·121	73	70	NNW 5	N 3	5	0	—	(gale) n. 0 showers a.
12	·91	30·03	34·8	32·9	28·1	44·3	4·0	2·0	·131	·146	65	78	NNW 2	NNW 2	0	8	—	0 n. (mist) p. a. and p.
13	·89	29·87	37·6	48·8	31·5	48·8	1·8	1·2	·191	·315	84	91	SW 3	WSW 5	10	10	·180	0 (mist) a. till 4p. Dull.
14	·30	·26	50·3	43·4	43·1	51·4	0·9	2·6	·340	·226	94	80	WSW 5	WNW 3	10	5	·150	Squally (gale) n. [p.
15	·50	·84	45·0	34·9	34·9	48·6	4·5	1·3	·206	·177	69	87	NW 3	WSW 2	3	0	·070	n. 0 11a. Fine day. (mist)
16	·86	29·79	39·9	48·1	32·3	51·9	0·9	1·2	·227	·306	93	91	SW 3	WNW 3	10	2	·100	0 (mist) a. a. 0 9p. 2
17	29·98	30·11	52·3	47·7	45·3	58·6	2·2	1·8	·334	·287	85	87	WNW 3	W 3	6	10	—	n.
18	30·19	·16	45·9	44·3	44·1	49·0	1·0	1·7	·280	·253	93	87	WSW 2	W 3	10	9	—	(mist) till 11a. Dull day. 11p.
19	30·16	30·09	47·7	48·0	42·3	52·2	1·8	1·0	·287	·309	87	93	W 2	WSW 2	10	10	·010	(mist) 8a.—9a. Dull day.
20	29·86	29·79	50·1	42·9	42·7	54·2	1·8	2·4	·316	·225	87	82	WNW 3	NNW 3	10	1	·010	Dull a. Clear 1p.—3p.
21	·90	·95	42·4	40·4	39·3	52·0	2·5	2·3	·218	·204	81	82	N 3	NNE 2	4	1	—	9a.—11a. p.
22	·93	·82	39·9	41·9	31·1	43·9	3·4	2·0	·182	·224	74	85	NNW 3	N 3	2	10	—	2 till 8a. (mist). Dull p.
23	·82	·95	36·0	33·0	32·8	41·9	2·9	3·3	·158	·124	75	66	ENE 5	NNE 4	7	1	—	
24	·95	·86	34·5	32·9	32·5	37·1	2·5	3·0	·152	·128	76	69	NNE 3	NNE 3	5	2	·010	showers 10a.—1p. 1p.
25	·75	·55	32·3	34·7	30·2	40·6	2·3	3·6	·134	·136	73	68	N 3	N 2	10	10	—	0 showers a. Dull. (mist) p.
26	·44	·37	34·8	35·5	33·3	36·7	2·2	2·7	·160	·157	79	75	E 3	ENE 4	10	10	·060	(mist) a. a. 2p.–6p.
27	·28	·27	32·8	32·8	31·1	35·5	1·5	0·9	·154	·167	83	90	E 3	NNE 2	10	10	·030	showers all day.
28	29·37	29·49	31·9	31·0	31·0	37·0	0·7	1·4	·163	·140	91	80	NNE 2	N 2	10	3	—	0 a.
Mean	29·666	29·664	40·3	39·3	35·3	46·0	2·3	2·2	·210	·201	80·9	80·8	3·3	3·2	7·0	5·1	1·380	

LONDONDERRY.—FEBRUARY 1889.

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

1	29·36	29·37	51·4	39·6	38·0	52·0	1·2	4·9	·348	·156	91	64	WSW 3	W 5	10	0	·380	Squally (gale) during day.
2	·40	·36	36·2	35·7	33·0	41·0	3·5	2·5	·151	·163	71	78	NW 5	NW 5	10	10	·390	Squalls of 0 during day.
3	29·39	29·91	38·2	39·7	34·5	42·7	2·0	3·5	·192	·179	84	72	NW 4	NNW 2	10	8	·020	Squalls of 0 during day.
4	30·34	30·34	39·7	38·4	36·0	44·3	4·0	1·7	·170	·199	79	87	NNE 2	NNW 2	3	10	·200	Fine and clear.
5	30·11	30·10	43·7	43·8	36·0	45·1	1·7	2·4	·247	·234	86	81	NW 2	NW 3	10	10	·160	showers.
6	29·07	29·60	43·2	47·7	42·4	48·5	0·8	0·5	·262	·318	93	96	NW 2	NW 2	10	10	·430	nearly all day.
7	·91	·75	37·3	43·7	36·5	48·0	2·1	3·0	·183	·221	83	77	N 2	W 2	10	10	·120	Fine all day. at night.
8	·41	·62	39·2	33·7	31·3	48·0	4·8	3·0	·154	·135	65	70	NW 5	NW 4	8	4	·090	Squalls of 0 all day.
9	·79	·82	30·7	29·7	27·0	36·4	0·5	0·9	·159	·141	93	85	NW 2	N 2	4	6	·220	showers all day and night.
10	·50	29·32	29·1	28·0	26·0	32·5	1·1	0·8	·129	·128	81	84	SW 2	NE 1	10	10	·100	all day.
11	29·69	30·08	34·4	33·7	22·0	39·5	2·6	0·0	·149	·194	75	100	NNW 2	N 1	4	2	·110	a. Fine all day.
12	30·25	30·06	32·2	37·2	28·7	41·6	0·5	0·3	·172	·216	94	97	NW 2	SW 4	2	10	·120	a. Fine all day. 9p.
13	29·74	29·18	39·7	51·2	36·0	51·6	0·5	0·5	·234	·363	96	97	W 2	WSW 6	10	10	·270	all day.
14	·32	29·34	39·2	39·6	37·2	51·6	0·5	0·6	·230	·231	96	95	NW 2	NW 4	4	6	·210	Squally (gale) showers all day.
15	·74	30·01	37·9	33·8	32·5	44·8	1·2	1·3	·205	·168	90	86	NW 2	W 1	0	10	·160	9p.
16	·58	29·88	44·7	44·7	33·0	51·5	0·5	1·9	·284	·253	96	86	W 2	SW 2	10	0	—	(gale) 9p.
17	29·95	30·06	49·2	49·9	43·0	51·6	1·7	2·4	·308	·299	89	85	SW 3	SW 2	10	10	—	
18	30·10	·07	50·2	46·7	46·0	51·3	2·2	1·0	·307	·296	85	93	SW 3	WSW 3	10	10	·170	
19	·30	·23	41·7	41·7	40·7	48·4	2·0	1·6	·223	·230	86	88	NW 2	NW 2	6	10	·050	showers during day.
20	·00	·13	46·2	43·0	39·9	48·0	3·4	2·9	·238	·217	77	79	NW 2	NNW 2	9	10	·050	showers during day.
21	·26	·29	44·2	42·5	40·8	47·4	2·5	1·9	·236	·233	81	85	NE 2	Calm 0	9	0	—	
22	·20	·13	43·0	47·6	40·0	51·3	0·3	0·9	·270	·308	98	94	SW 2	NW 1	10	10	·030	
23	·21	·36	41·2	32·8	31·9	47·6	1·0	1·2	·237	·162	93	86	SE 2	SE 1	10	0	—	Fine all day.
24	·31	30·25	35·2	34·2	30·7	40·5	1·8	0·5	·171	·188	83	95	SW 2	SE 2	10	0	·030	in evening.
25	30·10	29·71	34·2	37·2	31·0	38·3	1·0	0·5	·178	·212	89	95	SW 2	NE 2	10	10	·330	showers all day.
26	29·77	·76	34·7	35·7	32·0	39·9	1·0	1·0	·182	·192	91	91	SSE 2	E 1	10	10	·020	
27	·61	·59	33·2	34·2	30·0	43·5	1·0	0·8	·169	·182	89	91	S 2	SE 2	4	10	·040	0 showers a.
28	29·70	29·82	35·2	33·4	32·4	41·2	2·0	1·3	·167	·165	81	86	SSE 3	SE 1	8	0	—	Fine all day.
Mean	29·857	29·862	39·5	39·3	34·6	45·3	1·7	1·6	·213	·214	85·9	86·5	2·4	2·3	7·9	7·0	3·700	

ARMAGH.—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·26	29·29	51·6	35·0	35·4	53·6	1·0	1·0	·356	·194	93	92	SW 5	W 3	10	10	·165	
2	·33	·23	34·7	33·0	31·0	42·2	2·0	1·0	·162	·167	80	89	W 2	WNW 3	10	10	·175	showers during day.
3	29·23	29·64	38·0	37·3	31·1	42·0	2·8	2·5	·176	·177	77	80	NNW 3	N 3	10	9	—	
4	30·17	30·23	41·1	34·9	32·0	43·5	4·2	2·7	·177	·152	69	75	N 2	N 1	3	6	·090	
5	29·98	29·95	40·2	40·8	34·2	46·0	0·2	2·0	·245	·214	98	84	SW 3	WNW 1	10	10	—	
6	·83	·52	43·8	45·0	39·0	47·5	0·5	0·2	·274	·294	96	98	W 1	W 2	10	10	·125	Overcast all day.
7	·75	·64	36·6	36·0	34·5	46·2	1·0	2·0	·197	·175	91	82	NNE 1	SW 2	10	9	·095	
8	·27	·43	38·1	34·4	34·0	42·5	2·3	2·0	·186	·160	80	80	NW 3	NNW 3	10	2	·032	
9	·63	·68	29·7	25·0	25·0	34·4	0·5	0·4	·151	·120	92	89	NW 1	NNW 0·5	2	3	·110	
10	·35	·11	27·9	29·5	23·0	30·0	0·4	0·2	·139	·158	91	97	SSW 1	NE 2	10	10	·180	all day till 6p.
11	29·53	·91	22·9	27·9	20·8	37·6	0·0	0·2	·123	·146	100	96	NE 1	N 1	0	5	—	Deep snow on ground.
12	30·12	·99	26·9	32·6	21·3	37·3	0·4	0·6	·134	·173	92	93	W 1	SW 2	7	10	·135	
13	29·65	·16	39·6	47·1	31·0	47·4	0·6	0·7	·231	·307	95	95	W 1	SW 4	10	10	·112	
14	·22	·25	42·1	37·0	37·0	50·5	2·3	2·0	·220	·182	83	83	WSW 2	WNW 2	10	10	·063	
15	·61	·89	37·1	32·3	31·9	46·2	1·7	1·3	·188	·154	85	84	W 1	N 1	0	2	·085	0 a.
16	·52	·80	46·0	43·1	30·3	53·5	0·8	3·6	·292	·205	94	74	SSW 4	W 2	10	8	—	
17	29·86	·98	49·1	48·0	39·2	52·8	1·9	2·0	·302	·285	86	86	SW 3	SW 3	10	10	—	
18	30·03	29·96	49·7	47·6	47·6	52·4	1·9	2·1	·309	·280	88	86	SW 4	SW 3	10	10	—	
19	30·18	30·11	41·5	41·0	39·3	49·0	2·4	3·7	·213	·185	82	72	WSW 1	WSW 1	10	10	·050	
20	29·88	29·98	45·0	40·5	39·5	49·5	1·2	3·5	·271	·184	91	73	WNW 2	NW 1	10	8	·028	
21	30·11	30·15	44·5	35·9	35·9	50·5	2·8	3·1	·233	·155	79	73	NW 1	NNW 1	10	5	—	
22	·07	29·97	41·3	46·0	32·8	51·3	1·3	1·4	·232	·278	90	90	WSW 1	WNW 1	10	10	—	
23	·08	30·21	39·2	36·2	36·2	46·3	2·9	3·2	·184	·156	77	73	E 1	E 1	10	10	—	
24	30·17	30·10	37·0	33·6	32·0	42·1	1·0	1·9	·200	·154	91	80	E 1	NNE 0·5	10	10	—	
25	29·96	29·60	32·9	33·6	29·4	42·3	1·7	0·6	·152	·181	81	93	NNE 1	SW 1	7	10	·050	
26	·61	·62	36·0	34·6	31·1	40·8	0·8	1·8	·197	·165	93	82	E 1	E 0·5	10	10	—	
27	·47	·45	35·7	33·7	29·9	37·5	2·7	0·8	·159	·178	76	91	E 1	ENE 1	7	10	·090	0 showers.
28	29·55	29·67	34·0	34·4	31·8	36·2	2·0	1·6	·156	·167	79	84	E 2	E 1	10	10	·057	a.
Mean	29·728	29·732	38·7	37·0	32·7	44·7	1·5	1·7	·209	·191	86·8	84·8	1·8	1·7	8·4	8·5	1·642	

MARKREE CASTLE (SLIGO).—FEBRUARY 1889.

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

1	29·37	29·42	51·3	35·1	33·9	52·0	1·1	0·7	·349	·191	92	93	WSW 3	WSW 3	10	10	·280	showers.
2	·47	·38	35·4	37·0	32·2	40·1	2·1	1·7	·167	·187	81	85	NW 6	NW 8?	10	10	·360	showers.
3	29·45	29·87	36·0	37·2	33·0	42·3	0·6	1·1	·201	·200	95	90	NW 8?	NNW 4	10	9	·070	Boisterous n. and a.
4	30·29	30·31	38·9	36·9	35·8	43·9	2·6	1·5	·187	·191	80	88	NNW 1	Calm 0	9	10	·250	
5	30·08	30·11	44·2	45·3	35·7	46·1	0·5	3·2	·279	·233	97	78	NNW 1	NNW 3	10	10	·150	Overcast all day.
6	29·94	29·62	48·0	48·0	43·3	49·6	0·4	0·1	·325	·332	97	99	NW 3	WNW 5?	10	10	·280	Overcast all day. 0
7	·87	·78	41·0	42·9	38·9	48·0	1·8	0·7	·219	·260	86	95	NNW 1	W 2	8	10	·100	
8	·42	·65	42·3	36·2	33·6	48·6	3·0	2·4	·209	·170	78	79	NNW 6?	NNW 6?	10	10	·060	in evening.
9	·76	·79	33·1	27·2	26·1	37·0	2·7	0·2	·135	·149	71	100	NW 4	N 0·5	10	9	·150	showers. n.
10	·34	29·24	28·1	29·8	26·3	30·9	0·0	0·4	·154	·155	100	97	SE 2	ENE 2	10	10	·280	during day.
11	29·68	30·05	19·5	32·0	10·8	37·7	0·1	0·5	·102	·170	97	93	Calm 0	NNW 1	8	10	·020	(9 ins. deep). Sunny day.
12	30·23	30·04	23·4	32·8	19·1	39·9	0·0	0·5	·125	·177	100	94	Calm 0	SSE 1	4	10	·270	a. Sunny day.
13	29·73	29·26	40·4	51·7	32·3	51·7	0·0	0·9	·251	·360	100	94	NNE 1	WSW 5?	10	10	·240	
14	·32	·40	41·1	38·0	35·9	51·9	0·7	1·0	·243	·208	94	91	WNW 3	NW 5	10	10	·200	
15	·73	·94	41·8	31·1	30·2	46·1	2·6	0·5	·213	·162	81	92	NW 3	W 0·5	10	10	·230	
16	·63	29·88	51·0	43·3	30·5	53·2	1·6	1·1	·333	·256	89	92	SSW 1	SSE 1	10	2	·010	
17	29·95	30·05	50·7	50·0	40·2	52·8	1·4	0·8	·334	·339	90	94	SSW 1	SSW 2	10	10	—	
18	30·08	·07	50·7	49·2	47·8	54·2	2·0	0·7	·320	·332	87	96	SW 3	WSW 2	10	10	·090	
19	·29	·19	42·0	42·6	40·4	49·5	1·7	1·2	·231	·247	87	90	SW 1	S 0·5	10	10	·040	
20	·01	·12	45·2	43·1	40·7	48·2	1·1	1·9	·275	·237	92	85	NNW 3	NW 2	10	9	·030	
21	·23	·23	44·6	41·1	38·3	47·9	1·7	0·7	·256	·243	87	94	NNW 0·5	NW 0·5	10	8	·010	
22	·16	·08	42·7	46·4	34·3	49·9	0·3	0·1	·268	·314	97	99	W 0·5	NNW 2	10	10	·010	Overcast all day.
23	·11	·27	43·1	32·3	31·9	46·4	0·8	0·9	·261	·163	93	89	SE 2	E 0·5	10	4	—	in evening.
24	·27	30·17	32·2	39·4	24·0	42·2	1·2	1·1	·155	·220	85	91	Calm 0	Calm 0	10	10	·020	
25	30·04	29·69	33·2	32·7	29·0	39·6	0·9	0·2	·171	·182	90	98	Calm 0	Calm 0	9	10	·280	in evening.
26	29·66	·68	34·0	34·3	30·0	39·8	1·9	0·7	·158	·184	80	93	SE 0·5	Calm 0	7	10	—	, ground and trees covered.
27	·54	·50	33·3	30·0	28·4	40·2	1·2	0·8	·166	·145	87	86	Calm 0	SE 0·5	4	6	—	
28	29·59	29·70	33·5	33·1	26·0	38·0	0·7	0·7	·177	·174	92	92	SE 1	SE 3	10	10	—	Overcast all day.
Mean	29·829	29·839	39·3	38·5	32·5	45·3	1·2	0·9	·224	·221	89·5	91·7	2·0	2·1	9·3	9·2	3·430	

DUBLIN (PHŒNIX PARK).—FEBRUARY 1889.

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

Day.	Barometer at 32° Faht.		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	29·42	29·42	53·1	38·2	38·1	53·8	1·2	1·6	·370	·199	91	87	SW 2	W 3	10	2	·100	Cloudy, with squally ● 0 showers.
2	·49	·39	32·0	33·5	32·0	39·3	0·2	0·8	·177	·175	97	91	WSW 3	W 2	10	10	·340	Frequent ✳ 2 showers.
3	29·29	29·66	37·5	38·4	31·9	40·6	2·7	3·5	·175	·168	77	72	WNW 3	NNW 3	7	4	—	
4	30·17	30·30	35·3	32·0	30·5	42·4	2·7	1·6	·155	·145	75	79	NNW 1	Calm 0	6	2	·035	Beautiful day.
5	30·05	30·05	37·1	42·0	31·7	45·2	0·7	2·2	·207	·221	94	84	WSW 2	W 2	6	9	·015	✳ 0 ● 0 ⌒ a. Cloudy day.
6	29·92	29·60	43·8	48·2	41·6	48·3	0·3	1·0	·279	·312	98	93	WSW 1	W 2	9	10	·155	Dull, with ● 0.
7	·74	·80	38·3	38·0	33·9	48·5	1·7	2·1	·198	·188	86	82	NNE 1	W 1	9	10	·030	● 0 a.
8	·34	·54	45·0	34·3	33·9	48·3	1·3	3·6	·268	·133	90	67	NW 3	WNW 2	9	1	·005	Cloudy and squally, with ● 0 ✳ 0 ▲
9	·69	·76	30·1	25·5	25·2	35·1	0·5	0·2	·153	·131	92	95	W 1	WNW 1	1	1	·015	Beautiful day. [showers.
10	·44	·06	28·1	32·2	23·9	35·3	0·3	0·3	·144	·177	93	97	ENE 1	ENE 2	10	10	·660	✳ 2 and ✳ ● (sleet) all day.
11	29·57	29·93	20·2	28·2	17·2	32·6	0·3	0·3	·098	·146	91	95	NNW 1	NW 1	1	0	—	Bright, clear, and frosty.
12	30·17	30·13	25·0	32·6	20·3	36·9	0·2	1·8	·127	·147	94	79	NW 1	WSW 1	1	2	·200	Beautiful day.
13	29·76	29·33	40·3	49·8	32·2	50·0	0·2	1·2	·245	·328	99	91	WSW 1	SW 4	10	10	·080	Dull day. Squally ● 0 p.
14	·31	·35	43·3	38·9	32·2	51·7	1·3	2·2	·252	·195	90	84	W 1	W 2	10	2	·005	Dull a. Cloudy p.
15	·68	·97	36·8	28·4	28·1	44·9	2·1	0·4	·180	·144	82	93	W 1	Calm 0	1	2	·150	Beautiful day.
16	·65	29·87	48·8	43·9	27·3	54·8	1·6	1·0	·305	·265	88	92	SW 3	W 2	10	1	·005	Squally ● 0 a. Cloudy p.
17	29·97	30·09	50·0	50·4	41·5	52·5	1·5	1·9	·322	·318	90	88	WSW 2	WSW 2	10	10	·005	Dull day.
18	30·14	·10	51·0	49·3	48·5	53·8	3·5	3·1	·288	·277	77	78	SW 2	WSW 3	9	10	·015	Dull a. Cloudy p.
19	30·28	·18	44·3	40·9	40·5	49·4	1·2	1·2	·263	·231	91	91	W 1	Calm 0	10	3	·005	Dull a. Cloudy p.
20	29·98	·03	44·5	40·3	40·2	50·3	0·9	2·0	·273	·210	93	84	WSW 2	WNW 2	10	1	·010	Cloudy, with ● 0 showers. ⌒ a.
21	30·16	·19	39·3	35·4	34·9	48·7	1·6	0·9	·209	·190	88	92	WNW 1	Calm 0	5	0	—	Beautiful day.
22	·14	·01	37·0	46·1	31·1	47·0	0·5	1·1	·210	·286	96	92	WNW 1	W 1	10	10	·060	Dull day. ● 0 showers p.
23	·07	·22	39·7	35·1	34·9	46·3	0·2	3·0	·241	·149	98	72	E 1	Calm 0	9	10	—	
24	30·21	30·12	35·4	28·9	26·4	38·9	2·1	1·1	·167	·127	81	81	Calm 0	Calm 0	9	3	·005	Dull a. Cloudy, with ✳ 0 shower p.
25	29·99	29·70	35·5	33·5	28·2	41·9	2·8	0·8	·156	·175	74	91	NNE 1	Calm 0	9	10	·055	✳ 0 p.
26	·62	·63	34·3	34·8	31·9	48·7	0·5	1·9	·188	·164	95	82	N 1	Calm 0	10	10	·040	Dull, with ✳ 0 showers.
27	·50	·48	33·0	31·3	30·9	38·6	0·5	0·4	·177	·166	94	94	Calm 0	Calm 0	10	10	·275	✳ 2 a. and p.
28	29·54	29·70	34·5	33·1	30·0	36·1	1·2	1·4	·176	·160	87	84	Calm 0	Calm 0	10	10	·020	▲ 0 a. Dull, with ✳ 2 showers.
Mean	29·796	29·807	38·3	37·3	32·1	45·0	1·2	1·5	·214	·197	89·3	86·1	1·4	1·3	7·9	5·8	2·285	

PARSONSTOWN (BIRR CASTLE).—FEBRUARY 1889.

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

1	29·46	29·49	52·0	39·6	38·8	52·9	1·1	4·6	·358	·159	92	66	W 4	W 4	10	5	·115	Squally. ● showers p.
2	·57	·46	32·7	34·7	31·8	39·7	0·8	1·1	·169	·180	91	90	W 3	WNW 4	10	10	·324	Squally, with ✳ 2. < 7p.
3	29·44	29·75	36·9	36·7	31·9	42·6	1·9	3·0	·183	·164	84	76	NW 4	N 4	6	0	·022	✳ ● showers n. Squally, with ●
4	30·20	30·30	34·7	34·1	31·9	43·2	2·7	1·9	·150	·159	74	80	N 2	Calm 0	0	10	·112	Bright, cold, and windy. [showers.
5	30·06	30·10	39·8	42·6	33·7	46·8	0·6	2·6	·232	·219	96	81	Calm 0	WNW 2	10	10	·039	≋ 0 (mist) 9a. Damp and mild.
6	29·95	29·67	46·1	48·1	40·8	50·7	1·2	1·0	·284	·311	91	93	W 1	WSW 3	10	10	·069	≋ 0 (mist) 9a. Damp and mild.
7	·80	·82	39·8	40·8	38·9	48·3	2·2	1·0	·202	·234	83	92	NNW 2	Calm 0	10	10	·042	∞ a. Fine, but cool. Damp p.
8	·42	·62	44·8	33·7	32·7	48·4	1·9	1·8	·254	·157	86	82	NW 4	NW 2	10	9	—	Cold and squally. ✳ 0 p. [showers.
9	·74	·77	32·3	27·5	26·8	36·7	1·9	0·4	·142	·138	77	92	NW 1	Calm 0	2	1	--	⌊ ✳ n. Cold and windy, with ✳
10	·31	·03	29·7	33·0	25·6	41·1	0·7	0·7	·146	·173	88	92	SE 2	NNE 3	10	10	·370	✳ 2 till 11a. ● till 8p., then ✳.
11	29·61	29·07	26·7	30·7	21·6	37·6	0·7	1·8	·122	·129	86	74	Calm 0	NE 1	0	1	—	Fine and bright. ≋ 0 (mist) 9p.
12	30·19	30·12	27·5	31·9	23·8	42·2	0·6	1·1	·132	·154	88	85	Calm 0	S 1	0	10	·144	⌊ 2 ∞ a. Bright, but cold. ▽ ≋ 0
13	29·76	29·39	46·6	50·4	31·0	50·7	0·8	1·0	·299	·341	95	93	WSW 1	WSW 3	10	10	·121	Dull, with ∞ a. Day mild, with ●.
14	·53	·43	43·8	39·7	38·8	51·2	0·9	2·2	·266	·202	93	82	WSW 1	WSW 3	10	7	·021	Mild, with ● showers.
15	·71	·93	36·4	33·6	32·0	47·1	1·7	1·3	·184	·166	85	86	WNW 1	Calm 0	1	7	·420	Bright, but cold. ≋ 0 (mist) 9p.
16	·67	29·90	50·8	43·3	32·8	53·5	1·0	1·4	·347	·250	93	89	W 2	Calm 0	10	1	—	Dull and windy a. Fine and bright p.
17	29·99	30·11	49·7	49·8	41·7	53·3	1·6	0·8	·316	·337	89	94	SW 1	SSW 2	10	10	—	∞ a. and p. Damp and mild.
18	30·14	·13	49·7	48·1	46·8	51·9	2·0	1·8	·307	·291	87	87	SW 2	SSW 3	10	10	·025	Dull, mild, and windy, with ≋ 0 (mist)
19	·27	·19	45·5	43·3	42·7	48·9	0·8	1·5	·287	·248	95	88	Calm 0	Calm 0	10	10	·013	≋ 0 (mist) 9a. Damp and mild.
20	·03	·09	46·9	41·8	40·8	52·1	1·1	1·8	·295	·227	93	86	W 2	NW 2	10	9	—	≋ 0 (mist) 9a. Fine and mild.
21	·19	·20	41·1	36·6	36·1	48·7	1·2	0·8	·232	·201	90	93	Calm 0	Calm 0	10	0	—	∞ a. Fine, but cool.
22	·15	·05	38·3	45·0	31·0	47·8	0·4	0·5	·223	·287	97	96	Calm 0	Calm 0	10	10	·039	≋ a. Mild, with ≋ 0 (mist).
23	·05	·21	41·0	31·4	30·8	45·8	1·3	0·9	·229	·155	90	88	E 1	Calm 0	9	0	—	≋ 0 (mist) a.
24	·22	30·12	32·5	36·3	25·9	40·2	1·8	1·5	·146	·186	79	87	Calm 0	Calm 0	3	9	—	⌊ ∞ a. Dull p.
25	30·01	29·68	27·7	32·9	24·7	41·7	0·7	0·6	·129	·176	86	93	Calm 0	Calm 0	9	10	·062	⌊ ≋ 2 a. Fine day. ✳ p.
26	29·58	·62	34·7	33·7	31·4	41·5	1·8	0·8	·166	·178	82	91	Calm 0	Calm 0	8	8	—	✳ in past n. ∞ a. Fine and bright.
27	·51	·46	31·8	29·8	29·4	40·6	0·9	0·8	·158	·144	88	86	Calm 0	Calm 0	10	0	—	≋ a. ∞ 2 p. [▲ 2p.
28	29·53	29·64	23·4	33·5	20·1	41·7	0·5	0·9	·108	·173	87	90	Calm 0	SE 2	2	9	—	⌊ 2 a. Cold, with ∞.
Mean	29·818	29·830	38·7	38·0	32·7	46·0	1·2	1·4	·217	·205	88·0	86·9	1·2	1·4	7·5	7·0	1·938	

SWANBISTER.—MARCH 1889.

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. Gravity Correction, + ·036.

Day.	Barometer at 32° Faht.		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	30·07	29·90	34·5	33·0	32·0	41·0	2·5	1·2	·152	·163	79	87	NE 1	NNW 3	—	9	·050	
2	29·88	29·98	32·6	32·7	29·0	35·0	1·6	1·1	·151	·163	82	88	SSW 3	SSE 4	—	7	·040	
3	·99	30·00	31·0	32·2	29·0	32·7	1·0	0·4	·148	·174	85	95	SE 3	SE 5	—	2	·010	
4	·98	29·96	33·3	32·5	28·0	33·3	0·4	1·5	·182	·152	96	83	SE 4	ESE 3	—	3	·080	
5	·90	·76	34·0	34·5	30·0	35·0	0·8	0·5	·180	·190	91	95	SE 5	S 3	—	10	·020	
6	·53	·31	37·8	36·2	34·0	40·0	1·0	1·0	·206	·195	91	91	SSE 5	SSW 5	—	2	—	
7	·27	·25	39·5	38·2	35·0	42·0	1·5	0·7	·213	·216	88	94	S 4	S 3	—	8	—	
8	·19	·25	38·7	32·4	31·0	42·0	0·9	0·4	·217	·176	92	96	W 1	Calm 0	—	3	·010	
9	·25	·16	35·5	37·0	30·0	41·0	0·5	1·0	·199	·200	96	91	N 1	NW 3	—	9	·140	
10	·36	·67	36·6	35·5	33·0	39·0	0·6	3·0	·205	·153	95	73	NNW 5	NW 5	—	10	·020	
11	·92	·97	37·2	36·6	34·0	39·0	3·7	2·1	·156	·178	71	82	NNW 3	SSW 1	—	10	·140	
12	·84	29·69	45·5	46·0	36·0	47·0	0·5	0·0	·293	·311	97	100	WNW 4	W 5	—	10	·520	
13	29·95	30·19	38·0	35·0	34·0	46·0	0·2	2·0	·224	·164	98	80	NW 6	NNW 4	—	10	·010	
14	30·26	·34	37·6	34·5	33·0	39·0	2·6	1·7	·177	·167	78	83	NNW 3	SE 1	—	3	·030	
15	30·28	30·14	39·5	44·0	34·0	46·0	0·0	0·4	·243	·279	100	97	SSW 2	W 6	—	8	·060	
16	29·95	29·98	43·8	41·0	40·0	47·0	0·0	1·2	·285	·231	100	90	WNW 7	NW 3	—	2	—	
17	30·01	·96	36·5	32·0	31·0	41·0	1·3	2·0	·192	·137	89	75	NNW 3	NNE 2	—	10	—	
18	29·77	·57	33·2	34·2	29·0	34·2	2·9	0·4	·133	·190	70	96	E 3	E 3	—	10	·210	
19	·35	·20	39·0	34·5	33·0	41·0	0·2	0·0	·234	·200	98	100	ESE 3	NNE 6	—	10	·240	
20	·32	·52	33·8	31·0	30·0	37·0	1·6	1·0	·162	·148	83	85	NNE 7	N 5	—	5	·010	
21	·69	·75	32·6	35·4	29·0	35·4	0·6	1·6	·173	·177	93	85	NNW 3	WSW 4	—	10	·110	
22	·72	·77	43·7	41·2	34·0	46·0	0·7	1·4	·269	·229	94	89	WNW 3	SW 3	—	4	·070	
23	·50	·60	44·8	45·5	39·0	48·0	0·8	1·5	·278	·270	94	89	SSW 4	WSW 4	—	10	·360	
24	·56	·59	45·0	49·5	43·0	50·0	0·2	1·5	·294	·316	98	90	Calm 0	SW 3	—	10	·140	
25	·34	29·30	45·5	48·0	36·0	50·0	2·7	1·0	·245	·208	81	91	WSW 7	WNW 7	—	8	·120	
26	29·68	30·11	34·6	33·6	32·0	38·0	0·8	1·1	·185	·171	92	88	NW 9	NNW 5	—	7	—	
27	30·27	·20	38·0	37·0	32·0	42·0	3·0	1·6	·173	·189	75	86	N 1	S 3	—	2	—	
28	·08	30·07	42·6	48·0	36·0	50·0	1·4	0·2	·242	·330	89	99	SSW 1	W 4	—	10	·090	
29	30·03	29·97	46·5	47·6	40·0	48·0	0·0	0·4	·318	·319	100	97	WNW 3	WNW 3	—	10	·040	
30	29·83	·77	45·5	40·8	40·0	47·6	0·5	0·8	·293	·237	97	94	WNW 3	W 2	—	1	·010	
31	29·76	29·68	44·8	42·2	39·0	46·0	1·8	0·8	·255	·252	86	93	NW 2	WNW 3	—	9	·290	
Mean	29·758	29·761	38·7	37·8	33·7	41·9	1·2	1·1	·215	·209	89·5	89·7	3·5	3·6	—	7·2	2·820	

DUNROBIN CASTLE.—MARCH 1889.

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

1	30·10	30·01	34·3	31·3	30·5	39·5	0·8	1·8	·182	·134	92	76	NE	N	—	—	—	Cold wind, with ✳ showers.
2	29·97	29·99	30·3	32·1	25·5	37·0	1·8	0·8	·125	·164	73	90	N	N	—	—	—	Clear and frosty.
3	29·99	30·04	34·5	32·3	29·0	36·5	1·2	0·2	·176	·180	87	98	NE	N	—	—	—	Cold, frosty, windy, and clear.
4	30·04	29·98	32·3	31·3	28·5	35·7	1·0	0·5	·161	·164	88	92	NE	NE	—	—	—	Clear, frosty, and cold.
5	29·92	·82	33·3	32·3	30·7	37·5	1·0	1·8	·170	·144	89	79	NE	NE	—	—	·020	Dull and frosty, with ✳ 0 showers.
6	·61	·50	40·4	34·3	32·3	41·5	1·8	0·5	·214	·188	86	95	NE	NE	—	—	—	
7	·38	·40	35·1	36·3	33·0	44·5	1·3	2·0	·179	·177	87	83	NE	NE	—	—	—	Fine, but cold.
8	·24	·30	37·5	36·1	28·5	47·3	1·2	0·8	·201	·198	90	93	W	W	—	—	—	Fine and clear, but cold.
9	·33	·32	41·4	34·8	34·8	45·5	3·0	0·7	·201	·188	78	93	E	E	—	—	·250	
10	29·56	29·83	36·8	35·3	32·0	44·5	1·3	1·2	·194	·183	90	89	W	W	—	—	—	Fine day.
11	30·02	30·02	38·1	40·5	32·5	45·3	1·8	1·8	·194	·215	84	85	E	E	—	—	—	
12	29·93	29·86	47·4	49·5	37·6	54·5	0·9	1·5	·306	·315	94	89	W	W	—	—	—	
13	30·09	30·33	44·4	38·6	33·5	52·7	0·4	0·6	·283	·222	97	95	N	N	—	—	—	Dull day. Breezy.
14	·29	·40	41·2	40·2	37·3	49·5	1·6	1·2	·225	·224	88	90	NE	N	—	—	—	Dull and mild.
15	·39	·33	40·6	46·4	40·0	53·5	0·4	1·0	·244	·292	97	93	W	W	—	—	—	Dull and mild.
16	·14	·12	47·4	43·4	43·4	52·0	0·1	1·1	·325	·258	99	91	NE	NE	—	—	·160	Dull, with ● showers.
17	30·06	30·08	40·2	35·5	35·3	45·7	0·7	0·7	·235	·195	94	94	E	E	—	—	·160	Dull, with ●.
18	29·81	29·62	32·8	39·9	30·3	40·5	0·0	2·3	·187	·201	100	82	E	E	—	—	·220	✳ ● (sleet) and ✳ showers.
19	·39	·27	41·4	38·9	35·5	41·7	1·2	1·0	·235	·218	91	93	E	E	—	—	·360	Fair and mild a. Dull, with ● p.
20	·32	·61	39·6	33·8	33·0	42·3	2·2	0·5	·201	·184	82	94	E	E	—	—	·020	
21	·78	·84	33·3	34·1	28·5	40·5	0·2	2·8	·186	·143	98	73	NE	NE	—	—	—	✳ showers. Cold wind.
22	·87	·87	43·4	43·9	34·0	51·5	0·7	1·5	·266	·254	95	88	NE	N	—	—	—	
23	·64	·73	50·7	51·7	40·4	54·0	0·7	1·7	·352	·339	95	88	NE	NE	—	—	·160	Dull and mild.
24	·67	·72	52·0	51·3	47·2	59·0	0·5	1·8	·375	·332	97	88	N	N	—	—	·100	● showers. Dull and mild.
25	·55	29·57	49·5	38·2	38·1	56·5	0·2	1·4	·349	·202	98	88	NE	NE	—	—	·200	Fine a. Cold p.
26	29·90	30·21	37·2	35·5	32·3	47·0	0·8	1·2	·206	·185	93	89	NE	NE	—	—	—	Cold wind.
27	30·37	·29	39·2	35·1	31·3	44·3	0·8	1·3	·224	·179	93	87	N	N	—	—	—	Fine, milder, and clear.
28	·17	·22	42·9	54·0	30·5	54·0	0·6	1·5	·263	·374	95	90	W	W	—	—	—	
29	30·15	30·06	52·0	50·0	50·0	59·2	0·5	1·3	·375	·327	97	91	NE	N	—	—	—	Fine and clear a. Dull p.
30	29·89	29·84	48·5	41·9	41·7	57·6	0·2	1·5	·336	·235	98	89	W	W	—	—	—	
31	29·81	29·78	44·4	44·4	41·9	52·5	0·1	5·2	·290	·188	99	64	N	N	—	—	·030	Dull, with ● showers.
Mean	29·850	29·869	40·7	39·4	34·8	47·2	0·9	1·4	·241	·219	91·7	88·1	—	—	—	—	1·680	

BRAEMAR.—MARCH 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

30/ 22.2.90

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	28·78	28·74	29·5	23·7	23·7	31·3	0·8	1·0	·142	·093	87	74	SE 0·5	NE 0·5	10	9	—	Dull, with ✳.
2	·76	·77	8·7	16·7	8·4	32·7	0·0	0·8	·064	·069	100	74	NE 0·5	E 0·5	0	7	—	Fair, clear, and frosty.
3	·75	·76	24·9	21·9	16·1	32·1	0·4	0·2	·120	·111	90	94	SE 0·5	E 0·5	7	8	·020	Fair, clear, and frosty.
4	·76	·77	20·7	16·0	16·0	32·4	0·5	0·3	·094	·080	85	89	E 0·5	E 0·5	7	2	—	Fair, clear, and frosty.
5	·71	·66	21·1	28·7	10·4	34·5	0·1	1·0	·111	·129	97	83	E 0·5	SW 0·5	9	6	·020	Dull, with ✳0 showers.
6	·45	·29	34·5	33·9	28·6	37·7	1·1	0·7	·178	·181	88	92	SW 6	SW 2	8	1	·050	✳0 showers.
7	·23	·15	34·2	32·0	31·6	37·3	1·0	1·3	·178	·151	89	83	SW 4	SW 1	8	7	·060	● showers.
8	·13	·12	28·4	31·3	23·4	37·8	1·5	1·3	·114	·145	73	82	SW 0·5	SW 2	2	8	·010	Fair and clear.
9	·13	·15	34·1	31·7	30·4	39·5	1·9	1·0	·159	·156	80	87	NW 2	W 0·5	8	6	·020	Fair and clear.
10	·32	·57	34·4	32·9	29·4	39·5	2·5	2·5	·151	·137	76	73	SW 0·5	NW 0·5	8	6	·020	✳ showers all day.
11	·82	·86	34·3	34·7	32·9	40·3	1·6	1·3	·167	·176	84	87	SW 2	SW 2	4	9	—	Fair and clear.
12	·85	28·72	41·6	45·3	34·4	46·7	1·4	2·4	·234	·249	90	82	SW 2	SW 4	7	8	—	Dull day.
13	28·77	29·04	42·6	37·0	36·7	48·5	4·1	2·5	·194	·174	72	79	NW 8	SW 2	3	7	—	⸝ (gale) 2a.—11a.
14	29·08	·11	37·6	35·7	35·7	44·3	1·9	1·0	·190	·192	84	91	SW 1	SE 0·5	8	8	·020	●0 showers.
15	29·14	29·13	35·9	41·6	33·7	43·3	1·2	2·9	·190	·206	90	79	SW 0·5	SW 2	8	3	—	Fine day.
16	28·95	28·92	45·3	40·6	40·3	48·7	4·0	3·8	·218	·181	72	72	W 2	SW 2	6	7	—	Fine day.
17	·85	·73	40·7	32·7	32·7	44·3	1·9	0·7	·215	·172	85	92	NW 0·5	NE 2	7	10	·120	Fine *a.* ✳ ● *p.*
18	·58	28·39	33·5	35·0	32·0	41·9	1·5	0·6	·161	·192	84	94	NE 0·5	NE 0·5	10	10	·190	✳ *a.* Dull and dark *p.*
19	28·17	27·97	35·3	32·7	32·7	39·5	0·6	0·6	·195	·174	95	93	E 0·5	NE 0·5	10	10	·200	✳ and ✳ ● (sleet).
20	27·97	28·33	33·8	27·5	27·5	35·9	0·8	0·8	·178	·126	91	84	NE 4	NE 2	10	10	·100	● and ✳ ● (sleet) *a.* ✢ *p.*
21	28·51	·67	28·7	28·2	26·6	33·5	0·4	0·8	·146	·131	93	84	N 4	NW 0·5	3	4	·020	Squally.
22	·68	·75	39·3	38·6	27·4	45·5	1·4	1·0	·213	·215	89	92	SW 2	SW 4	7	7	—	Fine day.
23	·57	·58	42·3	46·8	38·5	49·8	2·9	2·6	·211	·259	79	81	SW 4	SW 2	7	7	—	Stormy.
24	·54	·59	50·5	48·7	45·5	54·5	3·2	1·9	·288	·298	79	87	SW 4	SW 2	6	8	·050	
25	·42	·40	43·4	37·6	37·5	49·5	3·6	1·9	·207	·190	75	84	SW 4	SW 0·5	6	7	·040	● showers.
26	28·59	28·90	32·7	30·7	30·7	44·5	1·2	1·5	·160	·134	86	78	NW 6	N 2	6	1	·020	Very cold, with ✳ showers.
27	29·07	29·05	34·5	34·0	25·6	47·3	1·8	1·5	·164	·164	82	83	SE 1	S 0·5	1	3	—	Clear and frosty.
28	28·95	28·98	41·6	48·8	33·1	59·5	2·1	2·3	·220	·290	84	84	SW 1	SW 0·5	7	4	—	Fine day.
29	·95	·98	49·3	48·2	46·3	53·8	5·5	2·7	·228	·272	65	82	W 2	SW 1	6	7	—	Fine day.
30	·73	·68	47·3	38·6	38·3	49·3	2·8	1·6	·261	·203	81	87	SW 1	NW 0·5	8	2	—	Fine day.
31	28·63	28·65	41·6	39·6	33·2	47·5	2·1	2·0	·220	·204	84	84	NW 1	NW 0·5	7	6	·030	Fine day.
Mean	28·639	28·659	35·6	34·6	30·3	42·7	1·8	1·5	·180	·176	84·2	84·2	2·1	1·3	6·6	6·4	0·990	

LAUDALE.—MARCH 1889.

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

1	30·03	29·99	35·3	34·0	31·7	36·9	2·5	2·0	·159	·156	76	79	ESE 3	Calm 0	9	10	·010	✳0 showers.
2	29·98	·98	30·7	31·0	22·9	36·8	0·3	0·0	·164	·174	96	100	NE 1	NE 1	1	1	—	
3	·95	·93	32·0	34·2	26·9	36·6	0·2	0·2	·177	·194	97	98	E 2	SE 3	1	8	—	
4	·95	·92	33·2	33·7	29·0	35·8	2·3	0·7	·143	·180	76	92	E 3	E 3	0	2	·060	∞ *p.* [● *p.*
5	·86	·82	33·2	39·8	31·2	40·0	0·2	1·8	·186	·209	98	86	E 4	SE 2	10	10	·680	✳2 showers *a.* ✳ ● (sleet) and
6	·60	·46	40·3	42·2	36·1	44·3	1·8	4·0	·214	·191	86	72	ESE 2	W 2	10	8	·550	✳2 and ✳2 ●2 (sleet) showers all
7	·38	·28	40·2	38·7	34·9	44·6	1·9	0·8	·211	·219	85	93	E 2	Calm 0	10	8	·030	● showers all day. [day.
8	·35	·39	41·0	38·2	35·0	48·6	0·8	1·4	·239	·202	94	88	Calm 0	Calm 0	8	1	·010	Fine and clear.
9	·38	·36	35·2	35·2	31·0	45·3	2·2	3·8	·163	·138	79	67	Calm 0	Calm 0	8	8	·170	✳ ● (sleet) showers.
10	29·61	29·84	39·0	36·0	32·6	45·3	1·8	1·5	·203	·184	86	87	N 1	Calm 0	5	1	—	✳ ● (sleet) *a.* Fine day.
11	30·05	30·06	29·8	40·3	27·7	45·3	0·8	0·6	·144	·237	86	96	Calm 0	Calm 0	1	10	·220	Fine and clear *a.* ≋0 (mist) ● *p.*
12	·10	·00	48·0	49·2	35·0	50·0	1·1	1·2	·307	·319	92	92	W 4	W 5	10	10	·230	≋0 (mist) ● all day.
13	·26	·32	46·3	42·8	42·8	51·0	1·2	1·2	·285	·249	92	91	WNW 4	Calm 0	9	10	·010	≋0 (mist) *a.* Day dull and damp.
14	·36	·39	44·0	45·3	40·6	47·7	0·2	1·1	·283	·277	98	92	Calm 0	Calm 0	10	10	·070	≋0 (mist) ●0.
15	·43	·39	44·0	45·3	43·0	46·7	0·8	1·1	·270	·277	94	92	Calm 0	W 2	10	10	·180	≋0 (mist) ●0. Clouds fast from
16	·27	30·21	48·0	46·0	44·8	50·6	2·9	3·2	·265	·240	80	78	NW 3	Calm 0	10	10	·160	● showers *a.* Fine *p.* [SSW.
17	30·08	29·91	47·0	45·3	42·6	49·7	1·0	1·0	·298	·279	93	92	W 1	Calm 0	10	10	·090	≋0 (mist) ●0 showers all day.
18	29·69	·50	43·7	43·2	41·0	46·1	1·6	2·7	·249	·223	87	80	S 3	E 2	10	10	·020	Dull all day.
19	·27	·06	42·1	41·2	40·5	44·6	2·2	2·4	·222	·210	83	82	S 1	SE 2	10	4	·010	∞
20	·27	·52	40·0	36·0	35·4	41·5	2·8	0·7	·193	·199	78	94	NE 3	E 4	7	8	—	⸝. ✳ showers *p.*
21	·78	·97	32·0	35·3	29·0	41·8	4·7	0·1	·139	·205	63	99	Calm 0	Calm 0	1	10	·080	Fine and frosty.
22	·98	·99	43·8	45·3	35·0	49·8	1·8	1·3	·246	·272	86	90	Calm 0	NW 2	9	10	·180	Dull and damp.
23	·75	·79	48·3	50·6	42·9	51·4	1·5	0·8	·301	·348	90	95	W 6	W 6	10	10	·770	⸝ ●
24	·79	·79	52·0	51·6	50·0	56·4	1·4	1·6	·351	·340	90	89	W 7	W 4	10	10	·760	⸝ ●
25	·74	29·72	48·2	42·0	40·3	56·3	0·9	1·6	·315	·233	94	88	W 5	W 4	10	7	·210	⸝ ●2 showers.
26	29·98	30·24	38·2	36·6	35·0	42·8	1·4	1·6	·202	·186	88	86	NW 5	N 4	10	1	—	✳ showers *a.* ⸝ all day.
27	30·36	·31	35·0	41·0	23·4	41·2	0·1	4·0	·202	·180	99	70	Calm 0	SW 1	4	10	·010	Fine and clear.
28	·21	·28	46·0	49·0	40·7	49·6	0·8	0·1	·292	·345	94	99	Calm 0	Calm 0	10	10	·150	≋0 (mist) ●0. Mild.
29	30·25	30·14	49·8	48·6	47·4	50·4	0·8	0·0	·337	·343	94	100	SW 2	Calm 0	10	10	·280	≋0 (mist) ●0. Mild.
30	29·98	29·91	47·0	44·8	44·8	50·3	1·0	1·3	·298	·267	93	90	W 1	NW 1	10	8	·160	● *a.* Dry and mild *p.*
31	29·89	29·93	44·7	44·8	40·6	48·9	0·9	0·2	·275	·292	93	99	NW 1	NW 1	9	10	·040	● showers *a.* Fine *p.*
Mean	29·889	29·883	41·4	41·5	36·6	46·0	1·4	1·4	·237	·238	88·4	88·9	2·1	1·6	7·8	7·9	5·140	

DUNDEE.—MARCH 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·88	29·86	32·5	29·5	28·7	35·0	0·9	0·3	·166	·155	89	95	SE 2	NE 1	10	10	·110	✳ showers *a.* and during day.
2	·85	·85	28·0	29·8	26·1	36·3	0·4	0·2	·140	·160	91	97	N 1	NE 1	10	10	·650	✳ showers from 8.30*a.*
3	·84	·84	28·9	29·3	23·8	35·2	0·5	0·7	·145	·143	91	88	S 1	SE 2	10	5	·100	✳ showers *a.* and till 9*a.*
4	·84	·83	26·3	22·8	19·6	40·5	1·5	0·2	·096	·115	68	95	SE 1	NE 1	10	5	—	Fine day.
5	·82	·74	26·2	33·7	20·4	37·8	1·6	1·2	·093	·169	65	87	NE 1	SE 1	5	10	·070	✳ 3.30*p.*—5*p.*
6	·56	·39	37·6	37·0	27·0	38·7	2·0	1·4	·188	·193	83	88	SW 2	SW 1	10	10	·010	Dull day ●0 showers 10.30*a.*—2*p.*
7	·29	·14	37·0	32·9	32·5	39·0	0·7	0·1	·206	·186	94	99	SW 1	NE 1	10	10	·090	●0 11*a.*—4.30*p.*
8	·13	·12	35·5	34·5	30·2	43·0	2·1	1·4	·168	·172	81	85	W 1	NW 1	5	10	—	Dull day.
9	·12	·17	38·2	36·7	32·4	43·8	2·6	1·9	·181	·184	79	84	NW 2	NW 6	10	0	—	Fine day.
10	·36	·65	38·3	35·7	33·2	45·7	2·8	2·1	·179	·171	77	82	W 2	NW 1	0	10	—	
11	·87	·94	36·5	38·2	32·0	45·5	3·2	1·9	·158	·193	73	84	NW 1	NW 1	5	10	—	Fine day.
12	·90	29·79	44·3	47·4	37·0	55·1	2·2	1·9	·243	·282	83	87	W 2	W 4	5	10	—	Cloudy.
13	29·87	30·12	48·2	37·7	37·7	52·9	3·7	1·7	·251	·193	75	85	NW 2	NW 1	5	7	—	⸝ at times.
14	30·17	·28	38·2	36·8	31·9	44·0	2·3	1·2	·186	·195	81	90	NE 1	NE 1	10	10	·020	Dull day.
15	·33	·21	37·3	42·4	35·5	43·9	0·8	0·9	·207	·252	94	93	SW 1	W 1	10	10	·010	●0 showers 7*a.*—10.30*a.* Dull day.
16	30·01	30·01	47·1	42·6	39·1	47·2	2·0	3·1	·276	·210	86	78	W 1	W 1	5	7	—	
17	29·91	29·82	42·9	35·7	35·2	47·9	2·0	0·1	·234	·207	85	99	W 2	SE 4	10	10	·270	● from 1*p.*
18	·62	29·40	36·2	38·7	34·1	40·0	0·4	0·0	·206	·235	96	100	SE 2	E 1	10	10	·100	● *n.* and till 1*p.*, and 7*p.*—9*p.*
19	29·19	28·94	39·9	39·2	37·3	42·6	0·4	0·6	·238	·228	97	95	S 1	E 2	10	10	·150	● from 7.30*a.*
20	28·91	29·26	39·3	33·7	33·0	40·0	1·7	1·9	·207	·155	87	80	NE 12	NE 10	10	10	·010	● and ✳ ● (sleet) showers till 5*p.* [⸝.
21	29·56	·77	34·9	33·1	30·5	38·8	2·8	2·6	·151	·137	74	72	NE 2	NE 1	5	10	—	
22	·77	·81	38·7	41·2	31·2	51·3	1·9	1·3	·198	·231	85	90	W 1	NW 1	10	7	—	
23	·66	·63	42·7	47·2	39·2	48·7	1·7	1·0	·237	·300	86	93	SW 6	SW 1	10	10	·010	Dull day.
24	·61	·65	52·7	51·3	46·7	59·3	2·4	1·9	·334	·329	84	87	W 6	W 2	5	10	·070	⸝ till 4*p.* ●0 at night.
25	·47	29·44	49·4	41·2	40·3	53·5	3·7	2·7	·266	·205	75	80	W 6	W 6	5	5	—	● during day and at night.
26	29·67	30·02	41·6	35·1	34·1	43·8	4·1	3·0	·185	·149	72	72	NW 4	NW 1	5	7	—	⸝ (gale) 10*a.*—4*p.*
27	30·22	·18	36·8	31·5	29·7	48·4	3·7	0·5	·153	·166	70	94	SW 1	SE 1	5	10	—	Fine day.
28	·08	30·08	43·2	50·6	36·6	54·9	2·0	2·1	·236	·316	85	86	W 4	W 2	10	7	—	Dull till 11*a.*, then fine.
29	30·07	29·96	49·9	48·9	45·5	55·9	2·4	1·5	·299	·309	85	90	W 1	W 4	10	10	·030	Dull day.
30	29·81	·75	49·0	40·9	40·4	53·2	1·4	2·3	·312	·209	90	83	SW 1	SW 1	10	10	—	Dull day.
31	29·68	29·71	44·1	41·7	35·0	55·1	3·0	1·9	·225	·225	77	86	NW 1	NW 1	5	10	·040	▲ ● showers.
Mean	29·712	29·721	39·4	38·0	33·2	45·7	2·0	1·4	·205	·206	82·5	87·9	2·3	2·0	7·7	8·7	1·740	

GLASGOW.—MARCH 1889.

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

1	29·84	29·82	31·9	31·9	29·4	35·5	1·1	2·6	·155	·125	85	69	NE 1	E 1	10	10	—	Dull and cloudy.
2	·82	·80	30·4	29·1	28·4	35·3	1·3	1·4	·137	·121	80	76	E 1	E 1	8	0	—	⸢⸣
3	·80	·80	28·7	29·6	26·6	34·7	1·2	1·9	·124	·115	79	70	E 1	E 1	9	2	—	Fine day.
4	·81	·79	26·9	33·0	24·8	35·5	0·8	3·1	·120	·127	84	70	E 1	E 1	7	10	·030	⸢⸣. Overcast and threatening *p.*
5	·77	·72	31·9	33·5	29·9	36·6	1·5	0·8	·146	·176	80	91	ESE 1	S 1	10	10	·080	Gloomy and overcast, with ✳0.
6	·52	·38	37·9	37·9	32·2	41·4	1·2	1·0	·204	·208	90	92	SSW 2	SSW 1	10	7	·245	Dull and overcast, with ●2.
7	·26	·13	36·9	34·9	34·0	39·5	1·6	0·4	·188	·196	87	97	S 1	W 1	10	10	·020	Overcast, with ●0. ⸢⸣ 8*p.*
8	·14	·11	33·1	37·2	31·2	43·5	0·6	2·5	·176	·175	93	79	W 1	NNE 1	6	10	—	⸢⸣ 7.30*p.*
9	·18	·23	38·6	36·0	33·3	44·4	3·4	0·7	·172	·198	73	94	W 2	W 3	6	10	·075	⊕ 10*a.* Cloudy, with ▲0 ●0.
10	·43	·66	39·8	36·2	34·4	45·7	3·0	2·1	·188	·174	77	82	W 2	W 1	4	3	—	⸢⸣. Fine day.
11	·87	·94	34·3	39·8	29·8	44·5	2·4	2·3	·152	·199	76	82	W 1	SW 1	4	10	·050	⸢⸣. ●0
12	·94	29·87	46·9	47·2	38·9	50·0	1·6	0·7	·283	·307	89	95	W 2	WSW 3	10	10	·020	Dull and cloudy. ●0
13	29·94	30·12	48·5	42·2	42·2	52·1	4·1	2·5	·246	·217	72	82	WNW 2	NW 1	7	0	—	
14	30·16	·23	43·4	40·2	37·4	50·3	1·8	1·6	·242	·216	86	87	SW 1	ENE 2	9	10	·013	⸢⸣ 4*a.* Dull and overcast.
15	·31	·24	38·5	43·1	37·4	43·5	0·2	1·3	·230	·250	99	90	SW 1	W 2	10	9	·018	Dull and overcast. ●0
16	30·06	30·03	46·9	41·2	41·2	51·6	1·3	2·0	·290	·218	91	84	SW 3	WSW 1	10	6	—	⸢⸣
17	29·91	29·76	47·5	43·9	41·1	49·5	2·3	0·6	·274	·273	84	95	W 2	W 1	10	10	·097	Gloomy, overcast, and threatening.
18	·56	29·35	37·9	39·9	36·5	45·0	0·7	0·7	·214	·231	94	94	ENE 1	NE 1	10	10	·010	Gloomy and overcast. ●0 [●0.
19	29·09	28·85	39·9	40·9	38·6	44·8	1·3	1·3	·219	·229	90	90	ENE 1	ENE 2	10	10	—	Gloomy and overcast.
20	28·85	29·24	40·2	35·0	34·9	41·5	2·1	3·1	·207	·147	83	71	NE 4	NE 6	10	7	·010	Cloudy, with squally ⸝ ●0.
21	29·57	·80	34·9	35·0	31·4	39·5	4·6	3·6	·120	·139	60	68	N 2	W 1	4	8	·035	Dull and cloudy.
22	·81	·84	42·6	42·9	31·4	49·4	2·0	2·2	·231	·230	85	84	W 1	W 1	10	8	·035	●0 *a.* ⌒
23	·70	·68	42·8	47·1	41·7	48·6	1·2	0·3	·249	·317	90	98	SW 3	SW 2	10	10	·120	Overcast, with squally ⸝ ●0.
24	·68	·68	50·1	48·9	47·0	51·8	0·9	0·3	·338	·339	94	98	WSW 2	SSW 3	10	10	·300	Overcast, with squally ⸝ ●0.
25	·54	29·53	46·9	42·6	41·4	50·6	3·3	3·5	·246	·203	78	75	W 2	W 5	10	7	·080	Cloudy, with squally ⸝ ●0 ⌒.
26	29·75	30·01	40·4	36·8	36·4	45·4	5·1	4·2	·158	·145	63	67	WNW 2	NNW 1	6	2	—	
27	30·20	·16	33·2	36·9	28·9	45·1	3·3	1·8	·126	·185	68	85	W 1	WSW 1	10	7	·017	⸢⸣
28	·07	30·10	42·9	48·9	36·6	49·6	1·1	0·7	·252	·328	91	95	SW 1	SW 1	10	9	—	Dull and overcast.
29	30·08	29·98	49·9	47·7	45·9	52·9	2·8	0·7	·289	·313	81	95	WSW 1	SW 1	10	10	·050	Dull and overcast. ●0
30	29·81	·76	47·0	41·4	41·4	51·0	1·1	1·4	·296	·231	92	89	SW 1	WSW 1	10	3	—	
31	29·68	29·74	45·6	44·4	38·6	52·5	3·1	3·1	·237	·226	78	77	WNW 1	WNW 1	7	7	—	⌒
Mean	29·715	29·721	39·9	39·5	35·6	45·2	2·0	1·8	·210	·212	83·0	84·5	1·5	1·6	8·6	7·6	1·305	

WOLFELEE.—MARCH 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·34	29·35	28·5	30·0	22·0	34·8	0·2	0·7	·151	·148	96	88	SE	E	—	—	—	Dull, with ✳ *a.* Clear and frosty *p.*
2	·34	·34	32·0	32·0	15·0	35·8	1·2	1·2	·153	·153	84	84	E	E	—	—	—	Dull and frosty *a.* Fine and clear *p.*
3	·35	·35	31·0	28·0	15·0	34·8	0·2	0·2	·168	·146	96	95	S	SE	—	—	—	Fine, clear, and frosty.
4	·36	·34	29·5	19·8	13·0	36·3	0·2	1·5	·158	·061	97	58	W	SE	—	—	—	Clear and frosty *a.* Dull and blowy *p.*
5	·34	·30	29·0	34·0	18·0	36·8	0·0	0·2	·160	·192	100	98	SW	SW	—	—	·040	Dull and cold.
6	29·15	29·00	36·5	34·0	29·0	36·5	1·2	0·2	·193	·192	90	98	SW	SW	—	—	1·110	Dull and blowy *a.* Stormy, with ✳
7	28·84	28·66	35·2	34·5	31·0	38·9	0·4	0·2	·198	·196	96	98	S	SE	—	—	—	Dull day. ● (sleet) *n.*
8	·69	·64	32·5	35·0	28·0	39·4	0·7	0·5	·170	·194	91	95	SW	W	—	—	—	Fine and clear.
9	·68	28·82	35·5	34·0	31·0	40·4	1·7	1·5	·176	·166	85	84	NW	NW	—	—	—	Fine and clear.
10	28·98	29·18	35·5	33·0	28·5	45·4	1·2	1·2	·185	·163	89	86	SW	NW	—	—	—	Fine and clear.
11	29·39	·48	29·0	34·5	20·0	41·9	1·2	2·2	·125	·157	79	78	SW	NW	—	—	—	Fine and frosty. Dull *p.*
12	·50	·44	44·0	46·0	29·0	44·7	2·2	1·4	·240	·278	83	90	W	W	—	—	—	Fine and mild. Blowy *p.*
13	·44	·63	46·0	45·0	39·9	49·4	3·2	0·9	·240	·277	78	93	NW	E	—	—	—	Blowy *a.* Fine and clear.
14	·68	·75	38·2	36·2	24·0	54·4	1·4	0·4	·204	·206	89	96	SE	E	—	—	—	Fine and clear *a.* Dull *p.*
15	·86	·77	36·5	38·0	31·0	45·4	1·9	1·2	·181	·204	83	89	SE	W	—	—	·020	Dull *a.* Cloudy *p.*
16	·62	·55	45·0	37·0	36·3	45·0	2·2	1·2	·249	·196	84	89	W	W	—	—	—	Blowy *a.* Fine and clear.
17	·46	29·32	46·5	42·0	32·0	53·8	1·9	2·4	·272	·218	86	82	W	W	—	—	·110	Fine day.
18	29·13	28·94	41·0	40·0	35·0	49·8	0·4	1·4	·248	·218	97	89	W	W	—	—	—	Dull day.
19	28·71	·41	39·5	39·0	36·0	49·8	1·4	1·4	·214	·210	89	89	SE	E	—	—	—	Dull and cold *a.*
20	28·30	28·61	33·5	30·0	31·0	44·9	0·5	0·7	·182	·148	94	88	ENE	NE	—	—	1·140	✳ all day. Stormy *p.*
21	29·03	29·31	31·5	31·0	27·0	34·8	1·7	0·2	·138	·168	78	96	NE	NE	—	—	·640	Stormy *a.* Dull *p.*
22	·37	·42	35·5	37·0	24·0	38·5	1·7	1·2	·176	·196	85	89	SW	SW	—	—	—	Fine and clear.
23	·31	·26	40·0	45·0	34·5	48·4	1·3	1·4	·220	·266	90	89	SW	SW	—	—	·040	Dull and blowy.
24	·28	·27	48·0	48·0	38·3	48·3	0·9	0·7	·312	·317	94	95	SW	SW	—	—	·110	◉ 0 *a.* Blowy *p.*
25	·10	·10	47·5	41·0	43·4	53·3	3·9	3·4	·240	·190	74	74	SW	W	—	—	—	Fine *a.* Blowy *p.*
26	·23	·50	41·0	36·0	33·0	52·8	4·2	2·8	·177	·161	69	76	NW	N	—	—	—	Fine and blowy *a.* Cold and blowy *p.*
27	·70	·70	35·5	36·0	29·0	44·7	0·7	0·2	·195	·208	94	98	N	NW	—	—	—	Fine and clear.
28	·64	·63	39·5	48·0	29·5	48·2	1·8	0·9	·207	·312	86	94	SW	SW	—	—	—	Blowy *a.* Dull day.
29	·58	·53	49·5	48·0	39·5	49·8	2·9	1·4	·283	·299	80	90	SW	W	—	—	·030	Fine day.
30	·37	·30	48·5	38·0	44·4	52·8	1·4	1·4	·305	·201	90	88	SW	NW	—	—	—	Fine *a.* Dull later. Fine and clear *p.*
31	29·20	29·27	43·0	34·8	32·0	51·8	2·4	1·0	·226	·182	82	91	NW	NW	—	—	—	Cloudy *a.* and *p.*
Mean	29·263	29·263	38·2	36·9	29·7	44·6	1·5	1·1	·205	·201	87·4	88·6	—	—	—	—	3·240	

SCARBOROUGH.—MARCH 1889.

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

1	29·79	29·80	31·5	30·6	30·4	34·3	0·8	0·7	·157	·153	90	89	NE 4	NE 1	10	10	—	✳ showers.
2	·81	·81	30·6	28·2	28·2	34·3	0·7	0·0	·153	·154	89	100	W 1	NE 1	9	0	·100	
3	·78	·84	29·4	26·6	24·0	36·3	0·0	0·1	·162	·142	100	98	W 1	SW 1	9	0	·010	Fine day.
4	·89	·90	27·0	29·6	23·0	34·6	0·1	0·0	·143	·164	98	100	W 1	Calm 0	0	0	—	Fine day.
5	·94	·86	28·0	33·6	25·0	35·3	0·0	0·6	·153	·179	100	93	SW 1	SW 4	2	0	·040	
6	·85	·65	34·6	38·4	30·5	39·1	0·0	1·4	·200	·204	100	88	SW 3	SW 5	5	8	·010	Fine day.
7	·42	·12	34·8	35·1	33·0	38·4	0·7	0·6	·188	·192	93	94	SE 1	NE 1	10	9	·140	✳ showers, then ●.
8	·15	·02	38·2	38·5	32·0	38·5	0·3	5·1	·225	·144	97	62	NW 2	NW 4	10	10	1·250	●. ✳ storms.
9	·07	·39	35·6	36·6	32·4	42·8	0·6	1·1	·196	·196	95	91	SW 4	W 4	10	4	—	Brilliant day.
10	·52	29·65	37·5	36·4	32·0	44·1	1·5	1·4	·194	·187	87	88	SW 2	SW 1	4	0	—	Brilliant day.
11	·81	30·02	38·7	34·8	32·5	41·3	2·4	1·8	·189	·168	81	82	NW 3	NW 1	6	0	—	Brilliant day.
12	·98	29·97	38·9	45·2	31·0	51·8	1·3	1·1	·211	·275	90	92	SW 4	W 4	9	4	—	
13	29·90	30·09	48·1	40·2	40·2	53·8	2·9	2·2	·267	·204	79	83	NW 4	NE 4	3	7	—	Fine day.
14	30·16	·24	40·2	38·7	36·5	41·3	2·3	2·2	·203	·193	82	83	N 6	N 3	8	8	·030	Fair, then ● showers.
15	·41	·37	37·0	35·8	34·5	39·5	2·5	1·3	·173	·185	79	89	E 2	E 2	8	8	—	Fine and dry.
16	30·18	30·03	43·7	45·7	34·5	54·8	1·8	3·1	·244	·238	85	79	W 3	W 3	5	1	—	Brilliant day.
17	29·98	29·83	43·7	44·7	37·2	51·1	1·8	1·9	·244	·253	85	86	SW 2	W 3	9	10	—	Fine day.
18	·65	29·47	42·5	42·8	40·9	48·3	1·3	1·4	·244	·244	90	89	SW 4	SW 1	9	9	·010	Fine, then dull.
19	29·22	28·87	41·2	42·7	38·0	46·3	1·0	0·5	·237	·263	92	96	E 3	SE 3	10	10	·380	Dull, with ●.
20	28·60	28·88	36·1	40·5	35·6	43·3	0·2	0·4	·208	·243	98	97	NE 2	NE 4	10	10	·200	Dull, with ●.
21	29·36	29·74	36·4	35·5	33·2	40·8	2·0	1·9	·176	·172	83	83	NE 9	N 5	9	0	·080	Stormy *a.* Fine and bright *p.*
22	·87	·93	38·5	42·6	31·8	49·3	3·4	1·9	·172	·232	74	85	SW 2	SW 2	0	5	—	Brilliant day.
23	·92	·84	42·9	46·3	35·5	49·5	2·5	1·2	·224	·286	81	92	SW 4	SW 4	8	10	—	Bright *a.* Cloudy *p.*
24	·82	·82	50·4	49·4	45·8	55·1	1·1	1·1	·336	·324	92	92	SW 5	SW 4	10	1	—	Cloudy *a.* Bright and mild *p.*
25	·61	·62	49·6	43·3	43·0	54·6	0·8	3·3	·334	·212	95	76	SW 2	W 3	10	0	—	Dull and damp till 11*a.*, then brilliant.
26	29·66	29·90	44·1	37·5	37·2	44·8	4·7	1·5	·195	·194	67	87	NW 4	N 5	5	10	—	Bright, with very cold wind.
27	30·12	30·23	39·5	32·0	32·8	41·0	3·8	1·2	·172	·162	71	87	N 6	SW 1	8	0	—	Fine, with very cold wind. [(gale) *n.*
28	·19	·12	40·0	44·5	29·0	50·1	3·2	0·9	·185	·272	75	93	SW 2	SW 1	3	10	—	Fine and bright, milder.
29	30·11	30·02	53·6	49·6	43·4	59·3	3·3	3·1	·324	·279	78	79	W 1	W 3	9	4	·020	Fair and warm.
30	29·86	29·73	51·8	48·4	46·5	55·7	2·7	1·6	·316	·299	82	89	SW 2	SW 1	9	10	·020	Cloudy, with ● showers.
31	29·67	29·73	43·0	39·3	39·0	48·9	1·9	0·9	·236	·222	85	93	NW 2	NW 1	8	0	—	Fine *a.*, brilliant *p.*, cold wind.
Mean	29·751	29·758	39·6	39·2	34·5	45·1	1·7	1·5	·215	·214	85·9	88·2	3·0	2·6	7·3	5·1	2·290	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—MARCH 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·83	29·81	34·4	33·1	31·0	38·0	0·2	1·1	·195	·166	98	88	ESE 3	ESE 3	6	10	·042	Fine till 4*p.*, then ✳ showers.
2	·81	·81	33·0	35·0	30·3	37·2	1·2	2·4	·163	·158	87	77	ESE 3	ESE 3	6	9	·001	Fine *a.* ✳ shower 3*p.*
3	·81	·79	34·2	36·0	33·5	38·0	2·2	1·2	·154	·189	78	89	SE 3	SSE 3	10	10	—	Dull day.
4	·80	·80	33·2	35·0	30·8	36·0	0·5	0·2	·180	·200	95	98	SE 4	SSE 4	10	10	·136	Overcast, with ✳ showers.
5	·83	·84	35·8	35·0	33·6	44·5	0·0	0·2	·210	·200	100	98	SSW 5–6	N 1	10	4	·072	✓ ✳ ● *a.* ✳ ● (sleet) ●
6	·70	·53	43·5	44·2	32·8	44·8	0·8	0·7	·265	·274	94	95	SW 4–5	SW 5	10	9	·494	Overcast. ● 2 *n.* [showers *p.* ⌓
7	·29	·18	40·0	38·7	38·7	44·2	0·8	0·7	·230	·221	94	94	SE 4	Calm 0	9	10	—	Overcast.
8	·18	·14	40·7	37·5	35·0	41·6	0·9	0·0	·235	·224	92	100	N 1	NNW 2	9	8	—	Overcast.
9	·31	·44	43·4	39·0	34·2	45·8	0·8	2·3	·264	·194	94	82	NNW 5	W 3	2	3	·001	✓ *a.* Very fine.
10	·55	29·73	41·8	36·6	35·0	47·4	2·0	1·6	·223	·186	85	86	NW 3	N 3	3	0	—	Very fine. ⌓ *p.*
11	29·92	30·01	42·6	42·0	31·5	45·6	2·9	1·8	·214	·229	79	86	NW 3	NW 2	2	10	·029	Very fine.
12	30·13	·08	47·5	48·7	41·0	52·7	1·5	2·0	·292	·294	90	86	NW 4–5	WNW 3	8	10	·002	Squally *a.* Cloudy.
13	·08	·18	48·2	45·0	44·7	51·0	2·2	1·5	·283	·264	85	89	NW 4–5	NNW 5–6	8	3	—	✓ *a.* and *p.* Fine day. Squally *p.*
14	·24	·24	48·7	45·3	42·1	50·0	1·8	0·2	·299	·297	87	99	NW 5	NNW 5–6	6	10	·029	Squally ✓ *a.* and *p.*
15	·40	·38	40·9	44·0	38·8	45·3	2·3	0·4	·209	·279	82	97	SE 2	W 1	10	10	—	Dull day.
16	·27	30·16	46·2	45·6	40·5	50·0	1·5	0·4	·278	·297	90	96	WSW 4	NW 2	9	10	—	Dull day.
17	30·05	29·87	47·0	45·0	43·8	47·3	2·2	0·5	·271	·287	85	96	W 4	WSW 2	8	10	·013	Dull day.
18	29·64	29·36	46·2	42·7	42·7	48·4	2·4	1·1	·259	·250	84	91	SW 4	SE 3	4	10	·014	Dull day. ≋ 0 (mist) 9*p.*
19	29·09	28·79	41·2	42·0	40·5	45·0	0·9	0·4	·240	·258	93	97	SE 3–4	SE 2	10	10	·554	Dull, with ● showers.
20	28·75	29·14	39·2	37·2	37·0	42·0	0·7	2·8	·226	·170	94	77	NE 6–7	NNE 7–8	10	10	·028	Overcast, with squally ✓ ●. ▲ *p.*
21	29·57	29·85	36·4	36·3	33·2	41·3	0·7	0·2	·202	·210	94	98	N 5	NNW 2	4	10	—	Fine, with squally ✓ *a.* Cloudy *p.*
22	·97	30·00	44·8	45·6	34·3	49·6	0·5	0·9	·283	·285	96	94	W 4	W 4	7	4	·027	Fine day.
23	·91	29·87	45·3	47·0	41·8	47·0	0·3	0·7	·295	·306	98	95	WSW 5	WSW 5	10	8	·212	Overcast, with ✓ ●.
24	·88	·88	51·8	48·0	46·5	52·0	1·0	0·2	·359	·330	93	99	W 5	WSW 3	10	10	·354	✓ *a.* Overcast, with ● showers.
25	·76	29·76	49·9	43·6	43·0	50·7	4·5	2·6	·254	·228	71	80	WNW 6	NW 6–7	2	3	·077	Very fine, with squally ✓.
26	29·86	30·09	42·8	39·0	38·3	44·8	3·0	3·0	·213	·181	78	77	NNW 9	WNW 2	4	2	·002	Fine, with squally ✓ *a.*
27	30·26	·26	40·9	33·0	30·2	43·8	5·0	1·0	·166	·167	64	89	ESE 1	NNE 2	1	3	·150	Very fine. ⌓ *p.*
28	·19	·21	44·8	51·0	32·2	51·0	0·1	0·0	·295	·374	99	100	SW 4	NW 4	10	10	·078	Overcast, with ●.
29	30·21	30·11	52·3	51·0	44·4	54·2	2·5	1·7	·326	·331	83	88	NW 3	W 3	4	10	·004	Fine day.
30	29·91	29·86	47·4	43·0	41·0	51·0	0·0	1·2	·327	·251	100	90	W 2	WNW 2	10	7	·018	Overcast, with ≋ 9 (mist) ● 0. Dull [*p.*
31	29·75	29·82	45·3	44·0	40·8	50·7	1·3	1·5	·272	·255	90	88	NNW 3	NNW 5	6	0	·001	Fine day.
Mean	29·804	29·805	42·9	41·6	37·5	46·2	1·5	1·1	·248	·244	88·8	90·9	4·0	3·2	7·0	7·5	2·338	

STONYHURST.—MARCH 1889.

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

1	29·58	29·58	30·0	30·0	25·3	36·3	2·1	1·7	·114	·123	68	74	NE 1	NE 1	7	10	—	✳ 0 *p.*
2	·60	·60	29·1	28·6	24·0	35·4	2·2	1·7	·103	·110	65	71	NEbyN 1	NE 1	5	10	—	Overcast *p.*
3	·62	·62	28·7	27·1	22·9	32·6	1·7	0·8	·111	·121	71	83	NNE 1	NNE 1	7	7	—	Fine and sunny *a.* Overcast *p.*
4	·63	·64	28·9	32·0	21·4	34·2	2·9	0·8	·087	·162	55	89	NNE 1	SE 1	10	10	—	⌓ *a.* Dull and overcast.
5	·69	·67	31·2	34·2	27·9	36·5	2·9	2·2	·112	·154	64	78	SEbyS 1	SWbyS 1	10	10	·010	Overcast. ✳ *p.*
6	·57	29·38	35·0	39·8	32·6	42·0	1·5	2·3	·174	·201	85	82	SWbyS 1	SbyW 4	10	10	·010	▲ early *a.* Dull and overcast.
7	29·68	28·92	35·2	34·9	34·1	40·0	1·1	1·7	·184	·169	89	83	NEbyN 1	Calm 0	10	10	·120	✳ early *a.* Dull and overcast.
8	28·94	28·83	34·5	34·6	31·8	36·4	2·0	1·3	·161	·175	80	87	Calm 0	N 3	10	10	·585	≋ *a.* Overcast, with ✳ ●.
9	29·02	29·21	38·8	36·9	33·1	43·2	2·5	1·7	·188	·189	80	86	W 3	WSW 1	8	10	—	
10	·32	·46	38·0	34·6	33·0	44·0	1·6	0·9	·197	·183	86	92	WbyS 1	NNW 1	8	0	—	
11	·66	·83	36·2	34·0	27·0	43·8	4·2	2·8	·140	·142	65	73	NE 1	NWb.W 1	0	10	·071	⌓ *a.* Fine and sunny.
12	·84	·83	42·7	44·9	32·6	48·0	0·8	1·2	·257	·270	93	92	WbyN 1	W 1	10	10	·095	Overcast.
13	·77	29·88	46·2	40·8	40·6	50·9	2·8	1·5	·250	·223	81	88	NWb.W 4	NNW 1	8	0	—	Squally.
14	29·97	30·01	40·9	38·7	32·6	48·2	1·5	1·8	·224	·200	88	86	NEbyE 1	NEbyE 1	7	10	—	Dull and overcast.
15	30·16	30·13	38·9	39·5	34·6	43·0	4·1	1·4	·163	·214	69	89	EbyS 1	Calm 0	10	10	—	Overcast *p.*
16	30·00	29·87	45·6	42·0	38·6	46·2	3·3	0·7	·234	·252	77	94	W 3	NW 1	4	10	·074	Overcast, with ● *p.*
17	29·80	·66	45·7	41·5	40·3	46·9	2·0	1·1	·262	·239	86	91	WNW 3	Calm 0	9	10	·043	Overcast. ● 0 *p.*
18	29·46	29·21	41·9	42·1	39·2	46·7	2·0	2·8	·226	·211	86	79	SW 1	SbyE 1	10	10	·013	Overcast and gloomy.
19	28·93	28·57	41·4	43·5	38·9	48·9	2·4	1·2	·212	·256	82	90	EbyS 1	ESE 1	10	10	·697	Overcast. ● *p.*
20	28·43	28·71	37·0	35·8	34·8	45·7	1·0	2·2	·200	·170	91	81	Calm 0	N 5	10	10	·040	●. Overcast.
21	29·17	29·57	36·3	33·2	32·7	39·5	4·5	2·7	·137	·136	64	72	NNE 4	NNW 2	7	0	—	Squally *a.* ✳ 0 *p.*
22	·71	·77	40·0	40·9	27·9	45·6	4·8	1·7	·159	·220	64	87	WSW 1	WbyS 1	7	10	—	⌓ *a.*
23	·73	·69	42·0	45·1	37·2	47·8	3·3	1·0	·202	·276	76	92	SW 3	SW 2	10	10	·582	Overcast, with ●.
24	·71	·69	47·0	47·7	43·9	49·8	0·7	0·5	·306	·318	95	96	SW 3	WSW 2	10	10	1·400	Overcast, with ●.
25	·49	·50	46·8	41·4	40·6	50·2	1·6	2·5	·282	·210	88	81	WbyN 4	WbyS 3	9	3	·036	◠ before 9*a.*
26	·54	29·77	41·9	39·7	37·7	44·9	5·4	4·7	·167	·158	63	65	NWb.W 2	NbyW 1	7	3	—	
27	29·98	30·02	36·7	33·5	32·0	45·5	4·8	2·0	·136	·152	62	79	NNW 1	Calm 0	6	4	·023	Fine and sunny *p.*
28	30·01	29·97	40·4	44·0	39·7	44·0	2·1	0·2	·209	·283*	83	98	SWb.W 1	WSW 1	10	10	·090	Overcast, with ● 0.
29	29·96	·88	50·9	45·5	43·5	53·6	3·2	1·5	·293	·270	79	89	W 2	SSW 1	0	10	·048	Overcast *p.*
30	·70	·61	46·3	43·0	42·6	48·3	1·0	2·1	·290	·232	93	83	WSW 2	NWb.W 2	10	0	·033	Overcast, with ●.
31	29·49	29·55	43·9	40·2	38·5	48·6	3·1	1·9	·221	·211	77	85	WNW 1	NWb.W 1	10	3	·113	▲ ● *p.*
Mean	29·567	29·568	39·3	38·4	34·0	44·1	2·6	1·7	·194	·201	77·6	84·4	1·6	1·4	8·0	7·7	4·083	

HILLINGTON.—MARCH 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·84	29·85	32·2	29·9	25·7	36·2	0·3	0·4	·175	·154	97	94	NE 0·5	NE 0·5	5	4	·028	Sunny, with ⚹ showers.
2	·92	·90	34·0	26·1	24·2	37·9	1·1	0·2	·173	·134	88	96	SE 2	SE 0·5	5	0	·003	Very fine and sunny. ⚹⁰ 4p.
3	·92	·94	31·6	23·6	17·9	37·8	1·9	0·1	·135	·122	76	98	SE 0·5	NE 0·5	0	0	—	⎿² a. Very fine and sunny. ⚹⁰ 2p.
4	29·97	29·99	30·0	28·2	17·4	36·7	1·3	1·4	·132	·113	79	74	SE 1	SE 1	0	1	—	⎿² a. Very fine and sunny. ⚹⁰ 4p.
5	30·05	30·08	30·9	28·2	19·4	39·3	2·2	2·0	·122	·099	70	65	SSW 1	SSW 1	7	3	—	⎿² a. Sunny.
6	30·00	29·79	34·2	36·0	26·7	43·3	2·5	2·4	·149	·167	76	79	SW 2	SSW 3	9	10	·037	⚹⁰ early a. Overcast from 10a. Milder.
7	29·42	29·20	34·0	47·8	33·0	47·8	0·3	0·1	·189	·330	97	99	SE 3	SSW 4	10	10	·516	⚹ 7a. ● 11.30a.
8	·19	28·95	47·5	48·9	40·0	52·7	0·0	1·1	·329	·318	100	93	SW 2	SSW 6	10	10	·210	● till noon. ⸝ at night.
9	·29	29·57	33·9	33·8	33·2	49·4	2·0	1·2	·156	·170	79	87	WNW 5	SW 0·5	5	0	—	⚹² 4a. Fine and sunny.
10	·64	29·71	35·8	35·9	28·1	40·7	2·5	0·7	·163	·196	77	94	SW 1	N 1	10	10	—	⎿ a. Very fine red sunset.
11	29·85	30·07	40·6	32·9	32·9	44·6	2·7	0·8	·199	·170	79	91	N 3	N 2	4	3	—	⎿⁰ a. Very fine and sunny. Ⓤ 8p.
12	30·11	·12	33·9	44·4	27·9	52·4	1·1	1·2	·172	·265	88	91	NW 3	N 2	10	10	—	Fine day.
13	·00	·15	48·0	40·1	38·2	55·1	1·5	1·6	·298	·215	90	87	NW 4	NW 2	7	7	—	
14	·23	·31	39·0	34·5	34·2	46·3	2·2	1·8	·195	·165	83	82	NNW 4	NE 2	10	1	·004	
15	·48	·48	34·9	26·4	25·8	39·5	3·1	0·8	·146	·116	72	83	NE 2	NE 0·5	10	7	·005	Ⓤ
16	·31	30·12	35·1	42·2	26·2	51·4	1·4	0·5	·177	·258	86	96	SW 2	NW 2	10	3	—	Overcast and gloomy.
17	30·10	29·97	43·5	44·0	34·9	51·9	1·2	2·3	·256	·237	90	82	W 3	NW 3	5	10	·003	Overcast p.
18	29·80	·58	43·5	41·3	40·2	47·0	2·8	2·1	·224	·217	79	84	SW 3	SW 1	10	10	—	Overcast all day.
19	29·29	·06	41·9	45·2	38·2	54·4	1·3	0·5	·238	·289	90	97	SE 1	S 3	10	10	·103	
20	28·81	·00	42·6	40·1	39·2	53·5	1·7	0·4	·237	·239	86	97	SW 5	S 1	8	10	·392	Ⓤ a. ●² ▲ 4p.
21	29·31	29·80	33·1	34·9	32·2	41·3	0·0	3·6	·188	·138	100	68	NE 6	NE 5	10	2	·113	Frequent ⚹ and ⚹ ● (sleet) [showers.
22	29·97	30·08	38·5	38·0	32·0	47·9	3·3	1·2	·172	·204	74	89	N 3	NW 0·5	4	0	—	Very fine and sunny. Cloudy p.
23	30·12	·06	44·5	44·0	32·6	51·0	3·2	1·1	·225	·263	77	91	W 3	W 4	3	10	·015	
24	30·01	30·05	50·1	50·0	43·5	62·4	1·3	0·5	·328	·348	91	97	SW 4	SW 2	10	10	·128	Fine day. ●⁰ 6p.
25	29·81	29·76	48·5	43·0	43·0	55·4	0·5	1·5	·329	·244	97	88	SW 3	NW 3	10	0	·004	● till 10a. Overcast and gloomy.
26	29·76	29·98	42·9	39·0	38·6	46·9	3·4	3·3	·207	·176	76	75	NW 4	NW 4	10	10	·020	
27	30·14	30·31	40·1	35·4	34·3	45·3	2·5	1·7	·198	·174	80	84	N 6	N 1	8	3	—	Windy.
28	·39	·26	38·2	44·0	25·4	54·4	3·0	0·5	·174	·276	76	96	SW 2	SW 1	2	10	—	⎿ a. Very fine, but with cold wind.
29	·21	30·16	50·0	46·0	43·7	57·5	1·2	2·3	·329	·258	92	84	NW 2	NW 2	8	0	·068	
30	30·02	29·85	48·4	47·6	44·3	54·1	1·1	0·0	·312	·330	92	100	W 1	SW 0·5	10	10	·098	●² p.
31	29·76	29·81	42·1	34·8	34·8	49·4	1·4	0·2	·238	·198	89	98	W 1	N 0·5	10	0	·005	♎ p.
Means	29·861	29·869	39·5	38·3	32·5	47·9	1·7	1·2	·212	·212	84·7	88·4	2·7	1·9	7·4	5·6	1·752	

CHURCHSTOKE.—MARCH 1889.

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

1	29·34	29·34	30·9	29·9	26·7	35·6	1·0	1·0	·148	·140	85	84	NE 2	NE 2	10	10	—	Very cold.
2	·35	·37	30·9	27·9	27·0	34·0	1·0	0·9	·148	·124	85	82	NE 2	NE 2	10	10	—	
3	·38	·39	30·9	23·8	21·3	35·1	1·0	0·8	·148	·099	85	78	ENE 2	NE 1	9	0	·080	Very raw and sharp.
4	·39	·41	26·1	27·9	22·7	30·6	0·1	0·9	·138	·124	98	82	ESE 2	ENE 2	10	8	·040	⚹ ✢ all day. ⸝
5	·48	·47	29·8	35·3	26·3	38·0	0·9	1·4	·141	·179	85	87	E 1	SSE 3	10	6	—	Dull day.
6	29·39	29·17	38·8	38·4	33·2	47·1	1·9	1·5	·198	·202	84	87	SSE 4	SE 2	10	5	·050	Milder.
7	28·78	28·69	38·2	35·9	33·1	39·0	4·1	1·0	·157	·190	68	91	E 2	SW 1	10	10	·470	Dull, with cold wind and ⚹ ● (sleet).
8	·71	28·69	32·9	34·2	31·0	36·5	1·0	0·5	·166	·186	89	95	N 1	NW 3	10	10	·900	Steady ⚹ all day (9 ins. deep).
9	28·93	29·09	40·6	32·7	30·6	45·9	2·3	1·6	·206	·151	82	82	WNW 2	NW 1	3	2	—	Bright day.
10	29·17	·27	33·9	30·9	23·5	46·1	2·0	1·0	·156	·148	79	85	N 1	NW 2	10	0	—	Overcast.
11	·46	·65	39·6	30·4	25·3	43·1	3·7	1·5	·174	·131	71	78	NW 1	NW 1	1	6	—	Bright and clear.
12	·69	·70	42·8	42·0	29·0	51·0	1·1	1·1	·251	·243	92	91	NW 2	W 2	8	10	—	Warm and threatening.
13	·64	·76	51·9	44·8	41·1	53·6	4·2	2·9	·280	·234	74	78	NW 2	NW 2	6	9	—	Fine and pleasant.
14	·80	·79	44·8	44·8	39·1	54·5	2·7	0·9	·237	·276	80	93	NW 1	NW 2	8	10	·090	Fine and pleasant. ● n.
15	·94	·98	37·1	40·2	34·0	46·6	2·0	1·3	·183	·222	83	89	E 2	NW 1	10	10	—	Cloudy and cool.
16	·84	·72	47·9	43·8	38·0	51·1	4·6	1·9	·231	·244	70	85	NW 2	NW 3	8	9	—	Fine and bright.
17	·62	29·51	45·8	42·8	41·8	48·1	4·1	2·5	·220	·223	72	81	NW 2	W 2	8	9	—	Cool wind.
18	29·26	28·99	42·8	40·2	39·0	45·0	2·1	1·7	·230	·214	84	87	SW 2	SE 1	9	10	—	Dull, cool, and breezy.
19	28·64	·30	43·8	38·8	37·0	47·1	1·9	0·9	·244	·218	85	93	SE 3	SE 2	9	10	·370	Cold wind, with ● showers.
20	·33	28·56	45·2	37·1	37·1	46·5	3·5	2·4	·225	·176	75	80	WNW 2	NW 3	9	10	·106	● showers.
21	29·96	29·40	32·9	32·7	30·0	38·0	1·0	2·3	·166	·139	89	74	NW 2	NNW 2	10	2	—	⚹ ● before 9a. Very cold.
22	29·56	·65	35·9	32·8	25·8	50·1	3·0	1·9	·156	·189	74	84	W 2	NW 2	9	4	—	Bright and cool.
23	·61	·60	45·8	47·9	35·1	50·3	4·4	3·0	·215	·262	70	79	NW 3	W 3	8	10	—	
24	·58	·59	51·9	48·7	46·0	56·1	1·9	2·2	·336	·289	87	85	W 2	NW 1	8	4	·065	Mild.
25	·37	·35	48·9	42·0	41·2	53·2	1·8	2·1	·301	·223	88	84	W 3	NW 2	10	5	·010	Threatening and mild.
26	·44	·61	42·0	36·1	35·4	44·6	2·3	2·2	·218	·171	83	80	NW 3	SW 2	9	10	·028	Storms of ▲ ●.
27	·79	·86	37·5	29·9	29·0	48·3	4·8	1·0	·140	·140	63	84	NE 2	SW 2	2	8	—	Bright, with cool wind.
28	·84	·81	39·8	46·8	21·9	47·1	1·9	0·9	·208	·298	85	93	SW 2	SW 1	9	10	·140	● showers.
29	·81	·68	52·3	46·8	43·8	60·6	3·3	2·9	·306	·253	78	79	W 2	E 2	8	10	—	Fine and bright.
30	·52	·45	50·2	41·2	40·0	51·1	2·8	1·3	·294	·231	81	90	SW 2	SE 1	10	10	·062	Mild, with ●⁰.
31	29·38	29·38	43·8	38·0	36·0	47·7	1·9	4·1	·243	·156	85	67	W 2	NW 1	8	4	·048	● showers.
Mean	29·387	29·394	40·5	37·7	32·9	45·9	2·4	1·7	·209	·196	80·9	84·1	2·0	1·8	8·4	7·5	2·459	

CARMARTHEN.—MARCH 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·69	29·69	32·9	28·9	27·0	38·3	2·9	0·7	·130	·139	70	88	NE 3	Calm 0	10	0	—	⚹⁰
2	·72	·71	33·9	27·1	27·0	38·5	3·3	0·6	·134	·128	68	88	E 2	Calm 0	9	0	—	⚹⁰ 3p.
3	·74	·72	34·4	30·2	22·1	39·2	3·2	1·9	·140	·120	71	71	E 1	Calm 0	0	0	·060	∞⁰
4	·68	·74	33·4	32·1	28·4	34·1	1·2	1·2	·166	·154	87	85	SE 5	SE 3	10	10	—	⚹⁰ before 9a. Dull and cold.
5	·83	·90	36·0	36·7	30·0	43·3	2·0	0·9	·174	·199	82	92	SE 3	SE 4	7	10	·340	● showers p.
6	·80	·55	42·5	39·5	35·5	49·6	1·4	1·2	·241	·218	89	90	S 3	S 3	8	8	·030	Fine day.
7	·11	·06	39·7	39·1	36·0	45·9	2·2	1·0	·200	·218	82	92	E 4	SE 4	8	10	·360	Dull, with ● showers.
8	·05	·17	35·4	46·5	31·7	46·6	0·8	1·6	·191	·218	92	87	NE 4	E 5	6	10	·860	⚹² and ⚹² ●² (sleet). Very cold.
9	·36	·49	48·0	36·9	36·3	51·0	4·9	0·9	·226	·201	68	92	SW 2	W 1	2	0	—	Fine day.
10	·54	29·62	33·9	36·9	29·3	47·4	0·8	1·5	·179	·190	91	87	Calm 0	Calm 0	10	0	—	Fine day.
11	29·86	30·05	47·6	38·2	31·6	49·2	5·9	1·6	·205	·199	63	87	E 1	Calm 0	0	1	—	Fine day.
12	30·12	·10	48·3	45·3	36·4	54·5	2·8	1·4	·271	·270	81	89	NW 2	Calm 0	8	10	—	
13	·08	·14	49·5	45·0	42·7	52·4	3·0	1·7	·280	·260	80	87	Calm 0	Calm 0	10	0	—	Fine day.
14	·21	·17	46·8	47·8	43·8	55·3	2·5	1·3	·262	·301	82	91	N 1	N 2	10	9	—	
15	·34	·35	39·2	40·3	38·3	48·2	2·2	2·2	·196	·205	82	83	NE 1	NW 1	10	10	—	
16	·28	30·17	45·4	44·7	39·3	55·1	0·9	3·0	·283	·231	94	78	SW 1	W 1	9	9	—	
17	30·00	29·90	46·0	43·9	39·3	49·6	3·1	2·4	·241	·234	78	82	W 1	SW 1	10	10	·030	Dull day. ●⁰ p.
18	29·64	29·33	44·1	42·8	41·9	47·0	2·8	2·5	·229	·223	79	81	S 2	S 2	10	10	·040	Dull day.
19	28·98	28·72	45·0	37·4	36·4	52·6	0·5	0·5	·287	·214	96	95	S 2	W 1	10	10	·910	Dull, with ●² showers.
20	28·72	28·92	48·8	39·9	36·4	52·7	4·3	3·2	·246	·184	71	75	SW 2	NE 4	7	3	·010	
21	29·37	29·75	41·2	34·9	34·4	42·4	5·3	2·6	·161	·154	62	75	NE 4	NE 2	5	0	—	Cold wind.
22	29·99	30·04	40·7	38·1	31·4	50·8	4·1	1·5	·176	·199	70	87	NW 1	Calm 0	10	0	—	Fine day.
23	30·03	·01	46·3	45·8	29·8	49·8	3·5	0·8	·236	·289	76	94	SW 4	SW 4	10	10	·190	Dull day.
24	30·03	30·01	49·7	47·8	45·0	52·2	1·3	1·6	·323	·293	91	88	W 4	W 3	10	10	·170	Dull day.
25	29·81	29·85	53·7	45·2	44·9	56·4	3·3	3·7	·325	·222	78	74	NW 2	NE 4	5	7	—	Fine day.
26	29·87	30·01	49·0	39·9	39·3	50·1	6·7	2·8	·204	·192	59	78	NW 4	NW 2	4	8	—	
27	30·17	·22	46·8	36·4	35·0	52·2	7·5	1·4	·173	·187	54	88	N 2	Calm 0	4	0	—	Very fine.
28	·28	·22	42·1	47·2	39·1	47·4	2·1	0·4	·224	·315	84	98	Calm 0	Calm 0	10	10	·090	Overcast, with ● all day.
29	30·22	30·10	52·2	47·8	44·1	60·2	3·3	2·8	·305	·266	78	80	N 1	Calm 0	10	10	·040	Fine day.
30	29·95	29·87	47·8	43·9	43·3	51·4	0·6	1·4	·317	·255	95	89	SW 1	Calm 0	10	0	·180	Overcast, with ●⁰ all day.
31	29·73	29·71	42·9	43·0	38·5	51·6	1·6	1·0	·241	·255	87	92	Calm 0	N 2	10	2	·050	●⁰ showers.
Mean	29·784	29·784	43·3	40·1	35·5	48·9	2·9	1·7	·225	·217	78·7	85·9	2·0	1·6	7·8	5·7	3·360	

MARGATE.—MARCH 1889.

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

1	29·75	29·80	32·2	30·5	29·0	35·3	0·2	0·2	·178	·165	98	98	E 3	NE 2	4	10	·150	⚹² storm.
2	·84	·88	31·8	30·0	24·6	35·8	0·0	1·7	·179	·148	100	88	Calm 0	E 1	10	8	·090	⚹
3	·90	·94	29·7	30·3	26·0	33·4	0·7	1·1	·146	·140	88	83	Calm 0	E 2	4	0	·020	⎿ a. ⚹⁰. Bright day.
4	29·97	29·98	31·0	31·0	26·0	34·5	0·6	0·0	·158	·174	91	100	E 2	E 2	0	2	—	⚹ before 9a. Fine day.
5	30·06	30·13	31·3	30·8	29·6	33·7	0·0	1·8	·176	·130	100	74	E 1	E 1	2	0	—	Cold and sunny. ⎿
6	30·07	29·85	35·2	32·4	27·0	42·2	1·3	2·2	·179	·137	87	75	SE 2	S 3	0	4	·040	⎿ a. Fine day. Ⓤ
7	29·48	·35	37·3	46·0	30·0	46·8	0·5	0·8	·213	·292	95	94	S 4	SW 4	10	10	·140	Cloudy, with ●. Rapid thaw.
8	·28	·03	46·8	49·1	34·1	54·7	1·8	1·0	·277	·301	87	86	S 4	SW 3	10	9	·040	Thawing.
9	·44	·61	42·6	37·7	36·3	50·0	2·8	1·1	·214	·204	80	90	SW 5	W 2	0	0	—	⸝ a. Bright and sunny.
10	·65	29·68	39·7	37·6	33·2	41·8	0·4	1·5	·236	·196	96	87	Calm 0	N 2	10	10	·250	≋⁰ a. ●² at night.
11	29·77	30·04	39·2	38·0	36·8	41·8	1·8	2·4	·204	·184	85	80	N 4	W 3	1	0	—	⸝ before 9a. Fine day.
12	30·18	·18	37·1	43·0	32·0	43·6	2·2	1·0	·179	·255	81	92	NW 2	NW 1	8	10	—	Fine day.
13	·05	·09	46·3	42·4	35·5	48·3	2·6	0·6	·254	·258	82	95	W 3	W 1	10	7	·030	Dull day. ●² 8p.
14	·23	·25	39·5	37·6	37·0	43·0	1·7	2·1	·208	·186	86	82	N 2	E 2	10	2	·010	Dull day.
15	·44	·50	34·9	32·0	32·0	38·6	3·2	2·8	·145	·121	71	67	NE 4	S 2	10	0	—	Fine day. Pretty sunset.
16	·40	·17	32·8	45·1	27·1	45·4	2·5	3·0	·137	·234	73	79	NE 3	W 3	10	10	—	⎿² ⚹⁰ a. Milder.
17	30·14	30·02	42·6	45·9	37·8	51·0	1·6	1·7	·238	·270	87	88	W 3	W 2	1	10	—	
18	29·88	29·61	43·0	40·7	39·0	47·2	2·0	1·7	·234	·218	84	86	W 3	W 1	10	10	—	Dull day.
19	29·33	29·03	45·6	46·0	39·0	51·8	1·5	2·1	·271	·262	89	85	SSW 4	S 3	10	10	·050	Sunny day. ● at night.
20	28·94	28·95	44·8	41·7	40·9	48·8	2·6	0·7	·239	·248	80	94	S 5	S 1	7	0	·080	⸝ a. ● 5p.
21	29·13	29·67	41·1	36·6	34·0	41·8	0·2	2·8	·253	·166	98	76	N 2	E 5	10	10	·160	≋ a. ⸝ ⚹⁰
22	29·96	30·12	36·9	34·8	34·2	41·8	3·3	1·8	·159	·168	73	82	N 2	N 1	9	0	—	Fine day.
23	30·20	·19	41·7	40·1	33·1	52·4	3·1	1·8	·202	·212	78	85	W 1	W 4	1	5	·030	⎿ a. Bright and warm. ⸝
24	30·14	30·09	47·7	49·3	39·2	57·0	0·9	2·0	·308	·279	94	80	W 4	W 3	10	0	—	⸝ a. Very mild.
25	29·93	29·85	49·2	45·5	43·1	55·2	2·2	3·5	·295	·229	85	76	W 3	W 1	10	0	·060	⸝ before 9a. ● a. Fine p.
26	29·78	29·96	43·5	40·0	38·0	45·5	2·7	2·6	·225	·196	80	79	WNW 2	W 3	6	10	—	
27	30·11	30·29	39·8	39·7	36·8	43·5	3·0	3·7	·187	·175	77	71	N 2	N 3	9	8	—	Fine and windy.
28	·39	·31	39·6	44·3	36·0	45·6	3·2	2·5	·182	·236	75	81	N 2	N 2	6	9	·020	≋⁰
29	·23	30·19	45·1	50·0	35·2	51·8	0·1	0·6	·298	·345	99	96	SW 1	SW 1	10	10	—	≋⁰ a. Dull day.
30	30·06	29·90	48·9	47·0	42·8	54·0	3·7	0·8	·259	·304	75	94	SW 2	SW 2	10	10	·100	
31	29·79	29·80	44·0	41·4	41·1	52·6	1·8	0·7	·248	·245	86	95	SW 2	E 1	3	7	—	
Mean	29·887	29·885	40·0	39·9	34·4	45·4	1·7	1·7	·216	·215	85·8	85·1	2·5	2·2	6·8	5·8	1·270	

SOUTHAMPTON.—MARCH 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

Day.	Barometer at 32° Faht.		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	29·76	29·83	31·7	28·8	28·5	38·6	0·6	0·7	·165	·138	92	88	NE 2	NE 0·5	10	10	—	✳ n. and a. Fine and dry. └─ n.
2	·86	·87	31·2	31·8	28·3	39·0	0·5	1·1	·163	·154	93	86	NE 1	SE 1	10	10	—	└─0 ≋0 a. Fine and dry, but raw
3	·91	·93	30·8	30·6	28·5	37·6	0·9	1·9	·150	·126	87	73	E 1·5	SE 2	9	2	—	Beautiful day, but cold. ✳0 1p. [cold.
4	29·96	29·94	32·1	30·7	28·5	38·8	2·1	0·5	·136	·159	75	93	ESE 3	E 3	10	10	·060	Dull and cold a. ✳ from 10a.
5	30·05	30·11	30·4	30·2	25·4	41·6	0·4	0·0	·159	·168	94	100	NE 0·5	Calm 0	10	0	—	Dull, and very cold a. Beautiful from
6	30·05	29·83	38·6	38·0	26·8	46·7	1·9	1·2	·198	·204	85	89	S 2	S 3	10	5	·500	└─ early a. Beautiful day. [9a. └─ n.
7	29·32	29·26	44·5	48·6	37·6	49·6	0·2	0·3	·288	·335	98	98	SW 4	SW 4·5	10	10	·796	╱ ●2 early a. ● all day. ●2 p.
8	·20	28·92	48·8	43·2	42·2	52·2	0·7	0·5	·327	·268	95	96	SSW 4	SW 4	10	10	·127	╱ ●2 n. ● a. and p.
9	·49	29·61	43·9	37·8	35·3	53·1	2·2	0·8	·240	·210	84	93	WNW 1	Calm 0	7	0	—	Beautiful day. ≋0 └─ at night.
10	·64	29·68	38·5	39·6	32·9	45·9	0·7	1·3	·221	·217	95	89	NE 1	NE 1	10	10	·032	● p.
11	29·87	30·14	41·6	36·1	33·5	49·3	3·4	2·7	·197	·164	75	76	NNE 4	NE 1	0	0	·006	Beautiful day throughout.
12	30·23	·22	36·2	45·7	30·2	51·6	1·2	1·7	·191	·268	89	88	SW 0·2	NW 1·5	10	10	·004	
13	·16	·20	45·3	46·9	36·2	57·3	1·0	3·5	·279	·242	92	77	W 1	NW 1·5	9	0	—	Beautiful day.
14	·30	·28	43·5	44·6	42·0	53·7	2·5	1·8	·229	·254	80	86	NE 0·5	NE 2	10	10	·005	Beautiful day.
15	·47	·52	42·9	33·6	32·6	46·4	4·2	1·8	·194	·156	71	81	E 2	NW 0·5	1	0	—	Beautiful day.
16	·44	·28	37·1	42·9	27·1	52·1	1·7	2·4	·188	·226	85	83	W 1	NW 1·5	10	3	—	Dull a. Very pleasant p.
17	30·22	30·07	49·6	45·2	38·2	55·6	3·3	2·0	·276	·255	78	85	NW 1	Calm 0	10	10	·003	Fine and mild.
18	29·87	29·53	44·2	42·1	41·7	50·7	2·2	2·8	·242	·211	83	79	SSW 1	SE 3	10	10	·025	●0 early a. Fine, mild, and pleasant.
19	29·31	28·94	47·2	42·6	41·2	51·5	1·2	0·8	·295	·256	92	93	SW 3	SW 3·5	10	10	·650	● a. and p. ●2 8p.
20	28·94	28·96	45·1	40·3	40·1	49·2	1·2	0·8	·272	·234	90	94	SW 3	SW 1	10	1	·060	● showers till 2.30 p. Fine p.
21	29·22	29·77	38·7	36·7	36·2	42·1	1·1	2·9	·214	·166	91	76	NE 5	NE 4	10	9	·018	✳ ● a. and p.
22	30·07	30·17	40·1	37·8	30·1	47·6	4·3	2·0	·168	·189	67	83	NE 2	WSW 1	1	0	—	└─ early a. Beautiful day. └─0 9p.
23	·26	·24	37·9	45·1	28·8	52·4	2·1	2·1	·188	·252	82	84	SW 1	SW 3	7	10	·024	└─ ≋0 early a. Beautiful day.
24	·19	30·19	49·3	48·6	45·0	58·0	0·7	1·8	·334	·299	95	88	SW 2	NW 2	10	1	·055	● 6a.—2p., then fine and mild.
25	30·00	29·94	47·0	45·9	45·8	58·2	0·8	1·9	·312	·266	95	87	SW 3	WNW 1	10	0	—	
26	29·93	30·07	50·0	40·2	39·2	51·6	5·3	3·0	·239	·191	67	77	NW 4	NW 2	2	10	—	● ▲ showers noon. Fine, with cold
27	30·25	·35	44·0	38·0	33·4	48·7	5·9	2·8	·174	·176	60	77	NNE 3	E 0·5	1	0	—	Beautiful day. [wind.
28	·43	·37	38·7	44·0	27·5	52·1	3·3	1·9	·174	·254	74	86	SW 0·5	SW 0·5	10	10	·037	Fine and dry, but cold a.
29	·30	30·25	51·7	53·4	44·4	67·6	0·8	2·9	·362	·330	94	81	NNW 2	NNW 0·5	9	10	—	Fine and warm.
30	30·12	29·95	54·3	48·5	46·4	58·7	4·5	0·8	·304	·321	72	94	W 2	SW 2	4	10	·057	Beautiful a. ●0 showers p.
31	29·85	29·83	47·0	41·6	39·1	56·2	2·0	0·4	·275	·254	86	97	NNW 2	NW 1	10	9	·235	Fine a. ● noon. T 2p. ●2 p.
Mean	29·925	29·910	42·0	40·6	35·2	50·0	2·0	1·6	·231	·224	84·4	86·4	2·0	1·7	8·1	6·1	2·694	

BABBACOMBE.—MARCH 1889.

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

1	29·53	29·57	30·6	31·1	28·6	34·3	1·5	1·3	·134	·143	78	81	NNE 3	NE 2	10	1	·020	✳ showers a. and p. △ 3p. ≋0 (mist).
2	·59	·60	31·3	32·8	24·4	38·8	1·2	1·0	·147	·165	84	89	ENE 2	ESE 3	4	10	·320	└─ n. ✳ a. and p. △ 8p. ≋0 (mist).
3	·60	·64	32·1	31·9	29·8	34·1	0·2	0·0	·176	·180	98	100	E 3	SE 4	10	10	·460	✳2 △ ≋
4	·59	·62	34·7	33·3	31·6	36·7	1·8	0·3	·166	·184	82	97	SSE 5	E 4	10	10	·380	✳2 a. and p. ≋0 (mist) p.
5	·76	·84	38·8	32·0	32·0	44·9	2·6	1·1	·186	·155	79	86	ESE 3	SW 1	2	1	·010	✳ n. └─ p. Thaw 6p. ≋0 (mist) p.
6	·73	29·50	42·0	42·0	32·0	47·7	1·5	2·9	·235	·208	89	79	SSW 3	S 4	9	10	1·260	⊕
7	29·00	28·07	49·8	49·6	38·8	51·5	0·0	0·1	·358	·353	100	99	SW 4	SW 5	10	10	·730	●2 n. ≋ a. and p. Dull.
8	28·85	28·07	47·4	37·8	34·9	49·8	0·0	1·9	·328	·190	100	84	SSE 4	WNW 5	10	5	·510	● ≋2. ╱ (gale).
9	29·26	29·35	45·6	38·9	35·5	52·6	3·2	0·8	·236	·220	77	94	W 2	S 1	3	3	·140	Fine and clear. ▽ 8p. ⌓ ≋0 (mist).
10	·38	·45	39·8	40·7	38·9	41·4	1·2	3·2	·221	·192	91	76	ENE 4	NNE 4	10	10	·080	● till 5p. Gloomy 5p.—6p.
11	29·67	29·93	43·7	38·4	34·9	49·2	4·5	2·4	·195	·186	68	81	N 3	N 2	0	0	·010	Fine day.
12	30·01	30·02	46·6	44·6	34·4	52·3	1·6	1·2	·279	·267	89	91	NNW 2	WNW 2	10	10	—	⊕0 2p.
13	29·97	29·93	48·0	45·9	42·6	58·6	1·4	3·0	·301	·242	90	79	WSW 1	NNW 4	9	1	—	Sky green in north horizon.
14	30·08	30·04	45·7	46·4	41·3	55·3	2·9	2·0	·242	·268	80	86	NE 1	NNW 3	9	9	·090	≋0 (mist) a.
15	·20	·26	38·7	34·7	34·3	46·6	2·6	1·3	·186	·175	80	87	E 3	S 1	10	0	—	● ≋0 early a. └─ p. ≋0 (mist) 8p.
16	·20	30·09	40·9	42·5	32·2	49·8	2·0	1·8	·215	·233	84	86	WSW 2	WNW 1	10	10	—	⌓ 7p.
17	30·00	29·83	50·9	43·9	36·2	53·6	5·4	1·7	·246	·249	66	87	WNW 2	SW 2	1	10	—	
18	29·58	29·25	43·4	43·5	41·3	48·3	2·7	0·8	·225	·261	79	94	SSW 3	SE 2	10	10	·080	Dull a. ⊕0 p.
19	28·98	28·68	46·4	38·0	38·0	49·8	0·4	0·5	·305	·218	97	96	S 5	W 4	10	9	·130	Gloomy, with ▲ 5p.
20	28·67	28·77	44·0	39·1	37·6	49·0	1·3	1·1	·259	·216	90	91	SW 1	W 1	9	9	·050	▲ 1p. ≋0 (mist).
21	29·09	29·59	36·0	37·8	35·3	42·1	0·9	3·4	·194	·165	92	72	NNE 6	NNE 5	10	7	·010	✳ ● ╱ (gale) a.
22	29·86	29·95	38·7	35·8	31·2	46·5	4·7	1·7	·151	·177	65	85	N 2	WNW 2	10	1	—	Dull a. Fine p.
23	30·00	30·00	46·0	45·7	32·0	51·4	4·3	1·8	·218	·265	71	87	WSW 4	WSW 4	9	9	·050	└─ n.
24	29·98	29·98	50·1	45·8	45·2	56·7	1·0	0·9	·335	·287	93	93	W 4	WSW 3	10	2	·060	⌓0 p.
25	·76	·77	48·3	45·7	45·2	58·6	0·3	3·1	·331	·238	98	79	WSW 4	WNW 3	10	0	—	
26	29·79	29·89	47·6	41·2	40·7	51·2	4·9	2·9	·223	·200	68	78	NW 4	N 1	7	3	—	Squally ╱ (gale) 1p.—5p. Fine p.
27	30·04	30·12	43·3	37·7	34·2	47·7	4·6	1·8	·189	·192	67	84	NNE 3	NW 2	1	0	—	Fine day, with ≋0 (mist). ⌓0 p.
28	·18	·15	42·7	45·0	36·2	50·3	2·3	1·1	·225	·273	82	91	WSW 2	WSW 2	9	6	—	└─2 n. ≋0 (mist) 8p.
29	30·09	30·04	53·9	49·5	44·6	58·4	2·3	4·0	·352	·260	85	74	WSW 1	NW 1	7	9	—	≋0 (mist) noon.
30	29·89	29·77	51·3	46·1	45·5	52·7	4·0	0·9	·278	·290	75	93	W 2	WNW 2	8	10	·030	Gloomy evening.
31	29·63	29·62	49·4	41·4	37·4	52·8	3·6	2·1	·266	·218	76	84	W 1	N 3	6	1	·080	▲ ●2 showers.
Mean	29·675	29·684	43·5	40·6	36·2	48·8	2·3	1·7	·239	·222	83·0	86·5	2·9	2·7	7·8	6·0	4·500	

LONDONDERRY.—MARCH 1889.

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

Day.	Barometer at 32° Faht.		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	29·01	29·90	32·7	33·5	30·0	42·4	1·5	1·7	·154	·158	83	82	E 2	SE 1	1	10	—	
2	·86	·84	32·0	33·5	27·6	38·2	1·8	2·8	·141	·138	77	72	E 2	E 2	2	10	—	
3	·81	·80	32·7	35·7	29·0	40·5	1·0	3·7	·165	·144	89	68	E 2	E 2	10	10	—	
4	·76	·78	34·7	37·7	33·0	39·3	4·0	2·0	·131	·188	65	83	SE 3	SW 2	10	10	·090	
5	·81	·79	38·2	39·7	36·1	47·3	1·2	2·3	·206	·199	90	81	SW 2	S 2	10	0	·110	▲ showers during day.
6	·60	·49	41·5	38·7	36·5	44·8	1·7	1·1	·226	·213	87	91	S 2	S 2	10	2	·150	● showers during day.
7	·35	·27	37·9	38·0	35·0	46·7	0·8	1·0	·211	·208	93	91	SW 1	S 1	10	5	·010	
8	·28	·31	35·7	36·7	32·1	48·1	1·0	1·0	·191	·198	91	91	S 1	SW 1	0	1	·010	Fine and clear all day.
9	·42	·47	38·0	36·7	33·9	46·0	1·8	2·0	·194	·180	85	83	SW 2	SW 1	0	0	·100	▲0 showers during day.
10	29·62	29·84	38·7	38·1	34·5	50·4	1·5	1·4	·206	·202	88	88	SW 1	SW 2	1	1	—	Fine all day.
11	30·03	30·11	35·7	46·2	32·0	48·3	1·0	1·5	·191	·278	91	90	SW 1	SW 2	0	10	·060	Fine all day.
12	·17	·11	46·7	49·7	43·0	53·0	1·7	1·5	·279	·318	88	89	SW 2	SW 2	10	10	·010	● in evening.
13	·23	·35	48·2	45·7	44·3	52·0	1·5	1·3	·300	·277	90	91	NW 2	NW 2	10	6	·010	Fine all day.
14	·36	·40	49·2	46·2	45·0	50·5	1·5	0·5	·312	·301	90	97	NW 2	SW 2	10	10	·060	● in evening.
15	·42	·41	47·0	44·7	44·0	51·2	0·9	1·9	·301	·253	94	86	SW 2	SW 1	10	10	—	
16	·32	30·24	48·2	47·3	43·0	50·6	1·5	1·1	·300	·299	90	92	SW 2	S 1	10	10	·030	
17	30·16	29·88	45·7	45·2	42·0	50·3	1·0	1·4	·284	·269	93	90	SW 1	SW 1	10	10	·050	● during day.
18	29·63	29·33	43·4	43·8	40·1	50·7	2·3	2·1	·232	·240	82	84	SW 2	SW 2	2	10	·020	Fine all day.
19	·06	28·88	43·0	42·5	41·2	44·1	2·0	1·5	·224	·239	84	88	SE 2	SE 1	10	5	·570	●0 showers during day.
20	·05	29·47	42·2	38·1	37·5	45·7	3·0	4·3	·209	·153	78	67	NE 2	NW 3	10	9	—	
21	29·75	·99	37·7	36·7	35·0	43·2	3·5	2·0	·162	·180	71	83	NE 2	NE 2	9	2	—	Fine all day.
22	30·03	·99	42·7	43·2	34·0	49·6	2·3	2·5	·226	·226	82	81	SW 2	SW 3	10	10	·040	●0 showers.
23	29·80	·84	47·2	50·4	42·1	52·1	1·5	1·1	·288	·338	90	92	SW 2	SW 3	10	10	·040	
24	·87	·77	51·7	50·7	49·3	54·0	1·7	1·1	·339	·342	88	92	SW 3	SW 3	10	10	·200	● showers during day.
25	29·81	29·90	47·7	43·2	41·0	51·0	4·5	2·5	·231	·226	70	81	SW 4	SW 4	10	10	·160	● showers all day.
26	30·10	30·25	44·0	39·2	36·0	47·5	4·3	3·0	·220	·183	69	76	SW 3	SW 2	10	10	—	
27	·33	·27	39·2	42·7	33·3	49·5	2·8	1·5	·186	·241	78	88	SE 2	SW 2	10	10	·740	Fine day. ● in evening and at night.
28	·20	·29	49·7	46·2	42·0	53·5	1·0	1·3	·331	·283	93	91	SW 2	SW 2	10	0	—	Fine day. ● in evening.
29	·25	30·12	50·2	48·7	42·0	53·4	2·2	1·0	·307	·319	85	93	SW 2	S 2	10	0	·170	●2 showers.
30	30·01	29·94	47·7	44·0	42·0	52·7	2·5	1·8	·271	·248	82	86	NW 2	SW 2	10	0	·170	Fine day. ● in evening.
31	29·90	29·98	47·1	46·2	41·3	51·0	3·4	2·0	·246	·267	76	86	NW 2	NW 2	9	0	·020	● showers.
Mean	29·865	29·870	42·5	42·2	38·0	48·3	2·0	1·8	·234	·236	84·3	85·6	2·0	1·9	7·9	6·5	2·820	

ARMAGH.—MARCH 1889.

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

1	29·75	29·75	31·5	31·6	27·2	38·5	1·9	2·6	·134	·122	75	68	ESE 1	ESE 1	3	10	—	✳ before 9a.
2	·72	·71	30·0	32·3	25·3	36·3	1·0	0·4	·140	·176	83	96	ESE 1	ESE 1	10	10	·010	✳ showers 9a.—11a.
3	·69	·67	34·2	33·4	28·5	40·3	0·8	3·0	·182	·133	91	70	ESE 1	SSE 1	10	10	—	
4	·65	·67	35·0	35·7	30·1	37·4	1·7	0·9	·170	·194	83	92	ESE 2	SSE 1	9	10	—	
5	·71	·71	39·6	36·9	34·1	48·9	1·6	3·9	·211	·150	86	69	SSW 2	SSW 2	8	7	·010	
6	·53	·42	41·0	38·4	35·3	44·6	2·0	0·9	·215	·214	84	93	SSW 3	SW 1	10	10	·308	
7	·21	·13	36·4	36·0	34·8	44·5	0·7	2·1	·202	·173	94	81	ESE 1	ENE 1	10	10	—	
8	·14	·14	38·0	37·5	30·9	48·5	1·1	1·7	·206	·191	90	85	E 1	NNE 1	2	9	—	
9	·30	·38	39·7	33·4	30·1	48·6	2·4	1·9	·198	·153	80	80	NW 1	SW 2	0	0	·021	
10	·51	·71	40·5	32·8	31·0	50·5	2·7	1·8	·198	·149	79	80	SW 1	Calm 0	2	4	·004	
11	29·89	29·99	39·1	43·0	29·3	49·5	1·8	3·5	·204	·206	85	75	WNW 1	SW 1	2	10	·032	
12	30·06	30·01	46·8	47·6	42·3	53·5	2·1	3·0	·270	·260	85	79	WSW 1	SW 2	10	10	·045	
13	·10	·21	47·4	44·1	42·2	57·2	2·6	2·5	·267	·235	83	80	WNW 1	NW 1	10	7	—	
14	·22	·24	49·0	46·0	39·2	53·6	0·7	2·7	·330	·250	95	81	SSW 1	NW 0·5	10	10	·005	Overcast all day.
15	·30	·30	47·9	45·5	43·9	51·9	1·2	2·1	·304	·257	92	85	NW 0·5	W 1	10	10	—	
16	30·21	30·11	48·8	46·3	40·1	51·6	1·7	2·9	·269	·249	88	80	WSW 1	W 1	10	10	—	Overcast all day.
17	29·98	29·75	47·0	45·1	42·3	49·4	2·7	3·3	·260	·228	81	76	SW 1	SW 1	10	10	·005	
18	29·51	29·21	42·8	44·0	38·7	49·3	2·1	2·2	·231	·240	84	83	SSW 1	SSE 3	10	10	·070	Overcast all day.
19	28·93	28·72	41·8	42·0	39·4	47·5	1·1	1·1	·242	·243	92	91	ESE 2	SE 1	10	10	·472	Overcast all day.
20	28·84	29·26	40·0	36·0	36·0	45·2	0·9	3·0	·228	·158	93	74	NNE 3	N 3	10	7	·047	
21	29·58	·85	37·0	36·0	31·1	43·6	4·1	3·9	·148	·144	67	67	N 1	N 0·5	10	10	—	
22	·93	·91	44·7	40·3	30·0	50·4	3·6	3·7	·219	·180	74	71	SW 2	SW 2	4	9	·035	
23	·75	·77	46·0	49·0	40·0	51·4	1·5	0·9	·276	·325	90	94	SSW 5	SW 3	10	10	·085	
24	·80	·73	50·8	50·4	47·5	53·5	1·0	1·6	·347	·325	93	90	SW 4	SW 4	10	10	·118	
25	·72	29·79	47·6	42·0	42·0	53·3	4·3	2·4	·234	·218	71	82	W 3	W 2	10	4	·082	
26	29·92	30·11	44·6	37·4	37·1	49·7	4·2	3·1	·208	·167	70	74	NW 2	NNW 1	3	8	—	
27	30·19	·14	43·4	41·2	29·7	47·5	4·8	2·5	·187	·209	67	81	NW 1	S 1	7	10	·252	
28	·09	·18	48·0	50·2	39·1	54·0	0·8	1·4	·314	·327	94	91	SW 3	W 1	10	10	·038	Overcast all day.
29	30·14	30·02	50·6	48·6	42·0	53·7	2·6	0·7	·303	·325	82	95	SW 2	SW 2	10	10	·020	
30	29·87	29·84	49·0	42·5	41·7	55·5	3·0	0·7	·276	·257	79	94	NW 1	W 1	10	2	·026	
31	29·75	29·83	47·2	45·0	37·9	52·8	3·1	2·4	·253	·245	79	82	NW 1	N 1	10	10	·022	
Means	29·742	29·748	42·7	41·0	36·1	48·8	2·1	2·2	·233	·216	83·5	81·9	1·7	1·4	8·1	8·6	1·707	

Markree Castle (Sligo).—March 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·79	29·81	33·0	28·2	27·2	38·4	1·4	0·9	·159	·127	84	83	ESE 1	Calm 0	10	4	—	✳
2	·76	·74	26·7	30·2	21·2	39·4	0·5	0·6	·129	·152	90	90	Calm 0	Calm 0	9	9	—	═
3	·70	·66	33·3	34·4	27·1	35·9	1·0	1·7	·170	·166	89	83	SSE 2	SE 3	10	10	·060	═. Overcast, with ✳.
4	·66	·70	33·2	36·0	30·5	42·2	0·4	0·6	·181	·201	95	95	SE 3	SSE 2	10	9	·010	✳
5	·80	·78	40·4	37·0	32·7	48·0	1·2	0·7	·226	·206	91	94	SSW 1	S 1	4	10	·140	
6	·59	·46	41·3	39·0	35·9	44·2	0·4	0·6	·252	·226	97	95	S 3	SSW 1	10	10	·230	
7	·28	·23	38·1	39·9	33·3	46·0	0·0	1·5	·229	·216	100	88	Calm 0	NNW 1	10	10	·020	
8	·23	·27	41·1	36·9	30·9	46·8	1·6	1·0	·224	·200	87	92	*NW* 0·5	*N* 0·5	3	5	·010	
9	·41	·48	40·2	34·3	28·9	46·8	1·6	0·6	·216	·186	88	94	SSW 0·5	SSW 1	9	5	·030	═
10	·59	29·79	43·8	36·1	30·2	48·1	2·5	0·6	·232	·202	80	95	Calm 0	Calm 0	7	2	·030	
11	29·99	30·09	40·6	47·0	24·3	50·6	2·1	1·8	·211	·280	84	87	Calm 0	WSW 1	3	10	—	═
12	30·15	·12	49·0	49·9	42·0	55·9	2·3	0·8	·291	·337	84	95	W 3	SSW 1	9	10	·020	
13	·21	·31	48·0	46·9	45·3	50·6	1·8	0·4	·290	·312	87	98	W 1	NW 1	9	10	·030	≋ 9p.
14	·32	·33	49·0	46·7	45·9	50·9	0·8	0·5	·327	·307	94	96	WNW 1	N 0·5	10	10	·080	Overcast all day.
15	·37	·39	46·5	42·9	42·1	51·2	0·3	1·2	·309	·250	97	91	Calm 0	SSW 0·5	10	10	—	∞ a. Overcast all day.
16	·31	30·21	48·2	44·9	41·7	51·6	1·8	0·9	·293	·276	88	93	WSW 2	SSW 1	9	10	·060	Overcast all day.
17	30·05	29·80	46·2	44·2	41·9	50·9	1·0	1·2	·290	·263	93	91	WSW 2	SE 1	9	10	—	Overcast all day.
18	29·54	29·19	44·1	43·8	38·9	48·9	1·6	1·2	·254	·259	87	91	S 1	SE 4	10	10	·170	Overcast all day.
19	28·93	28·80	44·1	35·1	34·5	45·0	1·0	0·2	·266	·201	92	98	SE 2	SE 0·5	10	7	·250	
20	28·97	29·39	42·3	39·1	32·6	44·7	2·0	3·5	·228	·173	85	73	N 4	NNW 5	10	10	·010	Overcast all day.
21	29·70	·95	38·7	34·0	33·3	44·5	4·4	1·1	·156	·174	66	88	NNW 3	Calm 0	7	9	·020	
22	30·01	·95	44·3	43·2	32·8	50·9	2·0	1·7	·247	·243	84	87	SSW 1	SSW 2	8	10	·020	
23	29·78	·84	47·9	50·1	42·2	51·8	0·7	0·6	·315	·347	95	96	SSW 3	S 1	10	10	·130	Overcast all day.
24	·87	·76	51·2	50·6	42·2	54·6	0·6	0·7	·361	·351	96	95	SW 3	SSW 3	10	10	·190	Overcast all day.
25	29·86	29·96	48·3	43·0	41·1	50·9	3·0	2·0	·268	·234	79	84	W 2	WNW 4	7	9	·200	
26	30·06	30·20	45·9	38·5	38·0	49·0	4·0	1·3	·225	·207	72	89	NNW 4	Calm 0	8	7	—	
27	·27	·18	37·4	43·7	26·6	47·2	1·2	0·8	·200	·267	90	93	*SE* 0·5	S 2	10	10	·500	═ a. ● at night.
28	·18	·26	50·6	45·0	42·9	58·6	0·4	0·6	·359	·285	97	95	SSW 1	SSW 1	10	10	—	Overcast all day.
29	30·21	30·07	50·4	48·7	43·5	53·3	1·2	1·5	·335	·306	91	90	SW 1	SSE 2	10	10	·080	Overcast all day.
30	29·99	29·94	48·7	43·0	42·2	52·0	2·8	1·6	·277	·242	81	87	WNW 2	WNW 2	9	9	·060	
31	29·89	29·96	47·1	47·1	42·0	50·7	2·7	1·6	·261	·286	81	89	N 2	NNW 2	9	10	·040	
Mean	29·821	29·825	43·2	41·3	36·0	48·4	1·6	1·1	·251	·241	87·9	90·8	1·6	1·4	8·7	8·9	2·390	

Dublin (Phœnix Park).—March 1889.

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

1	29·77	29·78	34·3	31·8	30·3	37·2	2·8	0·4	·145	·171	73	95	ESE 1	Calm 0	10	9	·005	Cloudy, with ✳0 showers.
2	·75	·75	31·1	28·5	27·7	37·6	0·4	0·2	·164	·151	94	96	Calm 0	Calm 0	9	2	—	Cloudy day.
3	·75	·72	36·0	33·9	25·0	40·0	4·3	3·4	·138	·130	64	67	Calm 0	SE 1	4	1	·005	
4	·68	·71	35·3	36·1	33·5	40·5	0·6	0·7	·195	·200	95	94	ESE 1	ESE 1	9	7	·030	Cloudy, with ●0 showers.
5	·80	·84	41·2	34·8	33·7	48·1	2·3	1·1	·212	·180	82	90	SW 1	Calm 0	7	1	—	Beautiful day.
6	·69	·50	42·4	42·4	34·4	51·0	3·0	1·7	·210	·235	78	87	SSW 2	SW 1	9	10	·055	Cloudy day.
7	·23	·19	41·1	36·3	35·8	42·7	1·4	0·4	·228	·207	89	97	Calm 0	Calm 0	10	5	·005	Dull and cloudy.
8	·19	·19	34·9	37·3	30·5	43·9	0·4	1·8	·195	·188	96	85	Calm 0	Calm 0	9	7	—	Dull a. Cloudy p.
9	·38	·49	36·4	36·4	29·5	49·1	1·7	1·3	·184	·191	85	89	W 1	Calm 0	1	2	·010	Beautiful day. ▲2✳0 shower 4p. [⌒p
10	·59	29·74	39·5	32·6	29·9	49·4	2·4	0·9	·196	·167	81	89	WSW 1	Calm 0	1	1	·005	Beautiful day. ✳0 shower 5p.
11	29·95	30·09	36·2	44·7	27·8	50·0	1·1	3·2	·193	·227	90	77	Calm 0	W 1	1	10	·010	Beautiful day.
12	30·15	·12	46·9	47·6	43·2	51·4	2·2	2·0	·269	·282	85	86	W 1	W 1	8	9	·005	Cloudy day.
13	·16	·27	48·4	43·4	43·1	57·4	2·7	1·5	·275	·249	82	88	WNW 2	WNW 1	6	0	·010	Beautiful day.
14	·30	·28	47·1	46·9	39·0	53·3	0·5	1·7	·312	·281	96	88	Calm 0	Calm 0	10	9	·005	Dull day.
15	·35	·37	46·1	45·7	43·9	49·6	0·7	1·2	·296	·280	95	92	Calm 0	Calm 0	9	9	—	Dull and cloudy.
16	·32	30·20	45·7	45·7	39·8	52·1	3·0	1·2	·241	·280	79	92	WSW 1	WSW 1	8	10	—	
17	30·08	29·86	45·7	44·0	41·7	51·8	2·3	2·3	·256	·238	84	82	W 1	SW 1	5	9	·005	Cloudy a. Dull p.
18	29·60	29·29	45·3	43·4	39·0	48·7	3·7	1·7	·223	·245	74	87	SSW 2	SE 1	7	10	·150	Cloudy a. Dull, with ●0 shower p.
19	28·95	28·77	43·5	41·3	40·6	51·0	0·4	1·6	·273	·227	97	88	ESE 1	Calm 0	9	7	·370	Dull, with ●2 showers a. Cloudy p.
20	28·82	29·24	39·0	38·6	35·4	42·9	1·0	4·9	·218	·149	92	63	N 3	N 4	10	4	·050	●2 a. Dull, with squally ➶.
21	29·60	29·91	36·3	33·0	32·2	45·7	4·3	2·7	·140	·135	64	72	NNW 2	Calm 0	9	1	—	
22	30·02	30·02	41·4	43·3	28·3	50·6	2·8	4·6	·205	·189	79	67	WSW 1	Calm 0	6	7	—	Bright a. Dull p.
23	29·90	29·88	46·8	50·6	40·2	52·1	3·0	2·0	·252	·318	80	86	SW 3	SW 2	9	8	·005	Dull and cloudy, with squally ➶ ●0.
24	·93	·88	52·1	51·3	49·5	55·1	2·5	1·7	·324	·334	83	88	WSW 3	SW 2	10	9	·070	Dull day. ●0 showers p.
25	·83	29·90	49·3	41·8	41·6	53·0	3·6	2·2	·267	·221	75	84	W 2	W 2	4	1	·030	Cloudy, with ●0 showers.
26	29·99	30·14	44·5	36·2	35·6	50·0	4·7	2·5	·198	·168	67	79	NW 2	NW 1	9	0	—	Cloudy a. Bright p.
27	30·26	·22	39·2	36·4	26·4	48·6	3·2	0·8	·179	·200	75	93	Calm 0	Calm 0	1	10	·115	Beautiful day till 1.30p., then cloudy.
28	·19	·25	48·2	52·2	36·2	57·1	1·7	1·7	·295	·345	89	89	WSW 2	WSW 1	10	10	—	Dull and cloudy.
29	30·24	30·12	49·8	49·1	42·4	55·4	3·3	2·9	·278	·279	79	79	WSW 1	Calm 0	7	10	·040	Cloudy a. Dull p.
30	29·93	29·92	48·4	41·4	41·1	53·0	0·9	1·5	·318	·230	94	89	WNW 1	W 1	10	0	·005	Dull, with ●0 showers a. Cloudy p.
31	29·82	29·88	48·2	45·8	38·7	52·2	4·0	3·1	·245	·241	73	79	NNW 1	NW 1	7	8	·005	Beautiful day. ●0 shower p.
Mean	29·812	29·822	42·6	41·0	36·0	49·0	2·3	1·9	·230	·224	82·9	85·1	1·2	0·7	7·2	6·0	0·990	

Parsonstown (Birr Castle).—March 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·73	29·75	34·7	27·7	27·1	39·1	3·2	1·2	·141	·116	70	77	ESE 1	Calm 0	1	0	—	═ a. Cold, with ∞.
2	·71	·69	25·8	33·3	20·7	41·8	0·8	1·5	·113	·160	81	84	Calm 0	SSE 1	1	5	—	═2 a. Bright and cold. ∞2
3	·68	·63	34·7	35·4	29·8	40·6	1·5	2·8	·172	·155	85	75	SE 2	SE 3	10	10	—	═ n. ✳ from 8a. Dull, cold, and
4	·62	·67	38·2	35·1	33·8	45·6	2·2	0·7	·188	·191	82	93	SE 2	Calm 0	7	9	—	∞ a. and p. Fine and milder. [gusty.
5	·79	·81	38·7	35·5	30·6	47·9	1·4	1·2	·208	·185	89	89	Calm 0	Calm 0	3	3	·060	═ a. Fine and bright a. ● ▲ p.
6	·66	·46	42·0	41·3	32·4	50·2	2·1	0·6	·223	·247	84	96	SSW 1	Calm 0	7	10	·744	∞ a. Fine and mild. ● from 6p.
7	·25	·19	36·9	38·1	34·7	42·3	0·8	1·1	·203	·207	93	90	NE 1	Calm 0	10	10	·020	✳ ● a. ∞
8	·21	·22	31·5	34·6	27·9	47·6	1·5	1·5	·142	·171	80	85	Calm 0	NNW 1	6	0	—	═2 ∞ a. Fine, but cold.
9	·39	·47	35·3	35·1	26·9	48·9	1·3	1·2	·181	·181	88	88	Calm 0	Calm 0	0	3	—	═2 a. Bright, clear, and cold.
10	·58	29·75	37·5	33·3	27·1	49·8	1·6	0·7	·193	·176	86	92	Calm 0	Calm 0	1	0	—	═2 a. Fine, bright, and cool.
11	29·95	30·09	35·5	43·8	24·8	51·7	1·7	0·3	·176	·281	85	99	Calm 0	SW 1	0	10	·012	═2 a. Fine and bright.
12	30·16	·15	47·7	48·3	43·0	52·7	2·6	1·5	·269	·301	82	90	W 1	W 2	10	10	·016	Dull, with ∞.
13	·19	·28	47·3	42·3	40·6	57·8	0·8	0·6	·307	·257	95	96	Calm 0	Calm 0	10	10	—	∞ a. Fine and mild.
14	·30	·29	48·1	47·8	41·6	55·3	1·5	2·0	·298	·283	89	86	NNW 2	NNW 2	9	10	—	∞ a. Fair and mild. ☂ 10p.
15	·34	·36	46·1	46·5	39·8	53·8	1·1	2·5	·286	·259	92	82	Calm 0	WNW 1	10	10	—	Fine and warm.
16	·33	30·21	45·0	43·9	40·8	48·8	2·6	1·1	·243	·263	82	91	W 1	WSW 1	10	10	·009	Dull and cool.
17	30·06	29·82	45·9	43·1	40·0	48·9	2·0	1·0	·265	·256	86	92	Calm 0	*S* 2	10	10	—	Dull and mild, with ≋0 (mist).
18	29·54	29·18	47·1	43·7	40·3	50·9	3·2	1·8	·250	·246	77	86	SSE 3	Calm 0	5	10	·045	∞ a. Dull, with ●0 p.
19	28·88	28·75	44·6	35·4	35·2	47·6	1·4	0·6	·263	·196	90	95	Calm 0	Calm 0	10	3	·202	● 9a.—1p. ≋ p.
20	28·84	29·27	40·1	37·3	28·8	44·4	1·0	2·4	·227	·178	92	80	N 2	N 3	10	1	·036	● till 2 p. Cold day.
21	29·61	29·91	37·3	35·4	33·8	41·8	2·6	2·4	·175	·161	79	78	NNW 3	Calm 0	10	7	—	Dull, cold, and squally.
22	30·01	30·00	42·9	36·8	32·8	49·7	3·2	1·1	·211	·197	77	91	SW 1	Calm 0	6	9	·049	Fine day. ∞ p.
23	29·87	29·88	47·3	50·3	36·0	51·0	1·6	0·5	·287	·353	89	97	SW 3	SW 2	10	10	·020	Squally a. Mild and damp.
24	·93	·86	51·6	50·1	48·9	53·7	2·1	0·8	·328	·341	86	94	SW 2	SW 3	10	10	·190	Mild, damp, and squally. ≋0 (mist).
25	29·87	29·07	50·5	42·8	42·1	52·9	3·6	2·0	·279	·233	76	85	WSW 2	WNW 2	6	4	·028	Mild, damp, and gusty. ≋0 (mist).
26	30·04	30·15	45·1	39·4	38·8	49·6	3·2	2·5	·230	·193	76	80	NNW 3	NW 1	8	2	—	Bright, with cold wind.
27	·24	·18	39·9	43·3	26·9	50·7	3·0	1·9	·189	·239	76	85	Calm 0	Calm 0	8	10	·059	═ ∞
28	·19	·25	48·8	50·4	42·6	58·1	1·1	1·8	·318	·320	92	88	SW 1	Calm 0	10	10	—	≋0 (mist) a. Dull, mild, and calm.
29	30·23	30·10	51·4	48·1	39·8	53·7	3·3	1·1	·297	·308	79	92	SW 1	Calm 0	10	10	·050	∞ a. Mild and calm.
30	29·97	29·95	48·4	41·9	41·0	54·6	2·1	1·5	·288	·235	85	89	NW 2	WSW 1	10	0	·028	●0 ∞ a. Bright and windy.
31	29·85	29·91	47·5	45·6	39·9	51·7	2·9	0·8	·261	·288	80	94	NNW 3	WNW 2	4	10	—	Bright a. Cool and windy.
Mean	29·806	29·812	42·4	40·8	35·1	49·5	2·0	1·4	·233	·232	84·0	88·4	1·2	0·9	7·2	7·0	1·568	

Swanbister.—April 1889.

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. Gravity correction, + ·036.

1	29·46	29·58	40·8	35·3	35·3	44·1	1·6	0·8	·221	·191	88	93	WNW 4	NW 7	7	9	·070	▲ showers p.
2	·71	·78	33·3	34·6	31·8	36·1	1·8	0·6	·154	·189	81	94	NW 6	NNW 3	10	8	·020	✳ showers.
3	·64	·35	39·1	35·0	32·2	41·9	1·6	1·0	·208	·184	87	90	S 1	SE 7	8	10	·190	
4	·41	·65	40·0	38·0	34·8	41·1	1·4	2·3	·218	·185	89	81	ESE 7	E 3	10	8	·020	Overcast all day.
5	·71	·76	40·3	39·3	33·8	42·0	2·5	1·3	·200	·215	80	90	E 2	ESE 4	10	10	—	Overcast all day.
6	·70	·67	44·8	40·1	38·0	44·8	3·4	1·0	·224	·227	75	92	ESE 4	ESE 5	3	10	·050	
7	·72	·75	40·0	38·0	38·0	43·2	1·9	0·5	·209	·218	85	96	E 5	NE 1	9	7	·010	
8	·66	·64	42·0	38·8	34·0	45·1	4·0	1·8	·190	·201	72	85	E 4	ENE 3	6	8	·050	
9	·62	·62	41·2	35·2	35·0	46·6	2·5	0·9	·208	·188	81	92	ENE 3	ENE 1	5	6	·080	
10	·63	·69	39·0	40·3	33·4	42·5	1·0	0·5	·218	·239	92	96	NNE 2	SE 1	8	10	·440	✳ ● showers before 9a. ▲ showers.
11	·65	·74	40·2	40·0	39·0	41·1	0·5	1·0	·239	·226	96	92	SSE 3	ESE 5	10	10	·240	
12	·90	·97	41·9	40·0	37·0	46·1	1·8	2·0	·228	·207	87	84	ENE 3	NE 2	10	3	·040	
13	·93	·91	40·1	37·2	36·1	41·9	2·9	2·8	·192	·170	77	77	NNE 5	N 3	10	9	—	
14	·83	·88	44·0	37·2	33·6	47·1	3·5	1·0	·215	·202	74	91	NW 3	N 2	5	7	·020	
15	·90	·90	41·8	36·0	34·8	43·1	2·3	1·0	·218	·193	83	91	NNW 3	N 1	9	8	·090	☂ (Paraselena) 9p.
16	·83	·71	44·0	45·3	34·6	45·9	1·0	0·2	·265	·297	92	99	W 3	WNW 4	10	10	·090	
17	·77	·84	46·7	45·0	44·3	47·7	0·1	1·5	·317	·264	99	89	WNW 3	W 4	10	7	·010	≋ till 8.45a.
18	·83	·74	46·5	47·6	40·3	54·6	1·9	2·6	·272	·268	87	82	SSW 1	SW 3	5	9	·100	
19	·73	·71	47·9	44·0	42·5	52·9	1·5	0·5	·296	·277	90	96	WSW 4	SW 1	5	3	—	
20	·51	·35	47·7	46·0	38·9	53·6	2·1	1·4	·280	·278	85	90	SSW 3	S 3	9	8	·010	
21	·14	·19	47·1	44·0	42·6	50·3	2·2	1·0	·272	·265	84	92	SSW 3	SSW 1	7	8	·050	
22	·41	·55	39·8	36·0	35·0	45·1	1·2	1·0	·220	·193	91	91	NW 5	NW 1	7	2	·020	✳ △ showers.
23	·28	·40	44·1	42·9	30·7	44·1	1·1	0·3	·264	·269	91	98	SSE 6	E 4	10	10	·090	
24	·71	·95	43·0	41·3	40·5	45·1	1·5	1·3	·245	·232	88	90	NE 5	NNE 4	10	9	—	
25	·99	·95	43·2	37·3	36·8	48·1	2·7	1·8	·223	·188	80	85	NNE 3	ENE 0·5	5	0	—	
26	·80	·63	43·8	43·2	35·6	47·8	1·3	0·0	·257	·279	90	100	SEbyS 3	SSE 6	10	10	·180	
27	·69	·77	48·9	44·7	42·3	52·6	3·5	1·0	·264	·272	76	92	SSW 3	ESE 3	8	4	·020	
28	·72	·56	43·2	44·0	42·7	44·7	0·2	0·5	·275	·277	98	96	SE 4	ESE 7	10	10	·180	∞2 9a.
29	·57	·78	47·0	44·0	43·0	51·1	2·8	1·1	·257	·263	80	91	SSE 4	SSE 3	5	2	—	
30	29·91	29·80	47·8	45·0	42·1	49·1	2·4	1·6	·274	·262	83	88	ESE 4	ENE 6	1	10	·110	∞ ●0 9p.
Mean	29·678	29·694	43·0	40·5	37·3	46·0	1·9	1·1	·237	·231	85·4	90·8	3·6	3·3	7·7	7·5	2·180	

DUNROBIN CASTLE.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·64	29·76	41·4	37·4	37·1	47·5	0·4	3·9	·252	·154	97	70	N	NE	—	—	—	Dull and cloudy, with cold wind.
2	·86	·87	36·3	33·3	31·0	39·7	4·2	2·5	·142	·140	65	74	NE	N	—	—	—	✳⁰ showers.
3	·69	·46	37·9	36·1	29·5	41·5	1·5	0·8	·199	·198	88	93	NE	NW	—	—	·300	Fine *a.* Cold and stormy, with ● *p.*
4	·41	·66	40·4	39·9	36·1	43·5	0·9	1·5	·233	·216	93	88	SE	SE	—	—	·080	Cold wind *a.* Blowy *p.*
5	·73	·79	39·4	38·9	37·6	41·3	0·4	0·7	·233	·223	97	95	SE	SE	—	—	·110	Cold ● showers *a.* Cold wind *p.*
6	·73	·70	42·4	41·4	38·9	45·0	1·1	1·2	·248	·233	91	90	E	E	—	—	·060	Cold wind *a.* ● showers *p.*
7	·76	·78	42·4	40·2	37·4	42·7	1·4	1·0	·241	·228	89	92	SE	E	—	—	·070	Dull, with cold wind.
8	·68	·69	41·4	40·9	40·2	43·5	0·7	1·0	·246	·235	95	92	SE	E	—	—	·100	Cold wind *a.* Dull *p.*
9	·66	·71	43·9	40·4	37·1	45·0	1·2	0·5	·260	·241	91	96	E	SE	—	—	—	Fine and milder.
10	·70	·76	41·6	37·9	32·3	44·5	1·3	0·5	·236	·217	90	96	W	SW	—	—	·570	Fine and milder.
11	·72	29·79	38·9	40·6	34·3	44·3	0·7	0·7	·223	·238	95	94	W	W	—	—	·250	Dull, with ● showers.
12	29·92	30·04	42·4	41·6	40·6	45·3	1·1	0·6	·248	·250	91	95	E	SE	—	—	·020	Dull, with ● showers.
13	30·01	30·00	43·2	38·9	37·6	45·0	1·2	3·6	·253	·170	90	72	E	SE	—	—	—	Fine *a.* Cold *p.*
14	29·95	29·99	43·4	42·9	35·7	50·5	0·1	1·2	·279	·250	99	91	SE	NE	—	—	—	Fine *a.* Milder *p.*
15	30·00	30·01	42·9	41·6	36·5	50·3	0·6	0·3	·263	·257	95	97	SE	SE	—	—	—	Fine *a.* Milder *p.*
16	29·97	29·86	45·4	48·3	41·2	52·3	0·1	1·0	·302	·314	99	93	NE	NE	—	—	—	Dull and mild.
17	·90	·98	51·7	46·4	45·7	56·0	0·7	4·4	·365	·221	95	71	NE	NW	—	—	—	Mild.
18	·97	·88	48·7	50·0	39·5	58·9	4·2	4·7	·247	·251	72	70	SE	NW	—	—	—	Fine and mild.
19	·85	·83	48·3	54·5	44·7	56·6	3·8	1·5	·251	·381	74	90	NW	N	—	—	—	Fine and mild.
20	·60	·49	45·4	46·4	42·7	57·9	1·9	2·4	·260	·260	87	83	NW	NW	—	—	—	Fine and mild.
21	·25	·35	46·4	43·2	40·5	57·2	0·1	3·2	·314	·213	99	77	NW	N	—	—	—	Fine and mild.
22	·55	·61	43·4	36·1	35·5	51·7	4·9	3·6	·185	·149	66	69	W	NW	—	—	·150	Fine and mild.
23	·35	29·37	43·6	44·9	33·3	50·0	3·2	1·9	·217	·254	76	86	SW	SW	—	—	·310	Dull, with ● showers.
24	29·67	30·00	43·9	41·6	41·5	57·4	3·0	2·2	·223	·218	77	83	E	E	—	—	·020	Dull, with ● showers.
25	30·02	30·00	43·9	39·2	38·1	49·3	4·4	1·3	·198	·214	70	89	SE	E	—	—	—	Fine and mild.
26	29·87	29·74	44·9	46·4	39·2	51·5	1·4	3·9	·266	·231	90	74	E	SE	—	—	·140	Fine day.
27	·79	·85	44·2	44·6	35·5	51·5	3·7	0·9	·213	·274	73	94	SE	SE	—	—	—	Dull *a.* Fine *p.*
28	·77	·59	45·6	44·2	42·7	49·0	1·9	0·0	·263	·290	86	100	SE	W	—	—	·150	Dull *a.* Windy *p.*
29	·64	·84	46·4	45·2	43·7	53·7	3·9	1·7	·231	·262	74	88	SE	SE	—	—	—	Cloudy and cold.
30	29·94	29·76	46·2	45·4	40·9	50·3	2·2	0·7	·263	·288	85	96	SE	SE	—	—	·180	Clear *a.* Dull *p.*
Mean	29·753	29·772	43·5	42·3	38·0	49·1	1·9	1·8	·245	·236	86·3	86·6			—	—	3·110	

BRAEMAR.—APRIL 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

30/22.2.94.

1	28·49	28·52	37·6	34·0	33·2	43·3	2·8	3·3	·174	·134	77	68	NW 2	NW 4	8	8	·030	Stormy, with ✳ showers all day.
2	·60	·68	32·6	30·7	30·2	40·7	0·9	1·0	·167	·146	89	85	NW 4	NW 2	7	4	·020	Cold, with ✳ showers all day.
3	·52	·16	31·8	34·9	28·4	36·5	0·3	1·2	·176	·179	97	89	SW 0·5	SW 0·5	8	10	·030	Cold, with ✳ showers all day.
4	·17	·39	33·9	34·7	33·6	36·5	1·4	1·7	·167	·168	85	83	NE 2	NE 0·5	10	10	·120	Cold, with ✳ showers all day.
5	·44	·51	33·7	33·2	33·2	37·5	0·8	1·2	·178	·165	91	87	NE 0·5	NE 0·5	10	9	·250	Cold, with ✳ showers all day.
6	·47	·45	34·0	35·7	32·4	40·5	0·3	1·8	·190	·177	97	85	NE 0·5	NE 1	10	8	·160	Cold, with ✳ showers all day.
7	·47	·48	34·5	33·7	33·6	37·6	0·8	1·0	·184	·173	92	89	E 1	NE 1	10	10	·240	Cold, with ✳ showers all day.
8	·39	·42	34·7	34·0	33·7	37·8	0·2	0·5	·200	·186	98	95	E 0·5	E 0·5	10	8	·120	Cold, with ✳ showers all day.
9	·39	·42	36·4	34·0	33·1	41·0	1·7	1·1	·184	·174	85	88	E 0·5	E 0·5	8	8	·080	✳⁰ showers.
10	·44	·45	34·7	33·9	32·6	38·5	2·7	0·5	·150	·185	74	94	E 0·5	E 0·5	8	10	·220	✳ and ✳ ● (sleet).
11	·46	·50	35·4	36·7	33·6	39·0	1·7	0·8	·175	·202	85	93	E 0·5	E 0·5	10	10	·210	✳ and ✳ ● (sleet).
12	·61	·73	36·7	36·4	35·6	36·7	1·0	1·5	·198	·187	91	87	E 0·5	E 0·5	10	7	·150	✳ and ✳ ● (sleet).
13	·70	·72	33·4	33·5	33·4	39·6	0·9	1·5	·173	·161	90	84	NE 2	NE 2	7	6	·200	✳ and ✳ ● (sleet).
14	·68	·70	34·9	40·6	31·4	48·0	2·2	1·3	·160	·225	79	89	NE 2	NW 0·5	4	8	—	Fine and clear.
15	·75	·74	37·6	39·9	36·2	43·7	2·5	3·1	·179	·187	79	76	N 2	NW 1	7	7	—	✳⁰ showers.
16	·72	·68	42·8	46·6	38·1	49·3	2·4	3·1	·225	·248	82	79	NE 0·5	NW 0·5	7	7	—	
17	·70	·74	50·1	45·0	45·0	60·7	4·2	3·2	·262	·229	72	77	SW 1	SW 0·5	7	0	—	
18	·73	·69	47·2	43·8	31·8	55·8	4·8	4·3	·220	·199	68	70	NW 1	SW 4	3	4	—	
19	·72	·69	46·6	44·5	43·3	50·1	2·7	3·5	·256	·219	81	74	SW 2	SW 2	9	7	·010	
20	·48	·31	44·7	44·8	41·3	52·3	3·4	2·8	·223	·235	75	79	SW 0·5	SW 6	6	8	·160	Fair, but with gusty wind.
21	·10	·16	40·0	37·9	37·9	46·9	1·7	2·0	·213	·190	86	83	SW 6	SW 2	9	3	·040	● *a.* Fair *p.*
22	·36	·49	36·7	34·3	33·6	43·0	2·0	3·9	·181	·128	83	65	NW 0·5	SW 0·5	8	2	·170	Fair, but cold.
23	·16	·15	37·3	38·8	31·6	42·5	1·4	0·5	·195	·225	88	96	SW 2	SW 0·5	10	10	·290	Cold, with ● all day. Snow on hills.
24	·44	·66	38·6	37·6	35·2	40·5	1·0	0·9	·215	·208	92	92	NE 2	NE 4	10	10	·300	Cold, with ● all day. Snow on hills.
25	·81	·78	38·6	40·6	36·7	48·5	2·2	2·9	·192	·197	82	78	NE 0·5	NE 0·5	7	5	—	Fine day.
26	·67	·55	40·0	41·6	28·4	46·5	3·7	1·9	·177	·224	71	86	SE 1	SW 2	7	9	·130	Fine *a.* ● *p.*
27	·61	·65	43·6	42·6	37·7	50·9	3·0	2·4	·220	·223	78	82	E 2	S 0·5	8	7	—	Fine day.
28	·57	·39	47·8	42·8	40·9	52·7	4·2	1·3	·238	·245	72	89	S 1	E 0·5	7	10	·250	Dull, with ● *p.*
29	·48	·60	42·6	40·8	38·1	48·5	4·0	1·6	·195	·221	73	88	S 4	S 0·5	8	6	·150	● ² showers.
30	28·68	28·50	46·8	41·6	36·7	51·3	5·2	·0·5	·210	·252	66	96	SE 2	NE 0·5	3	10	·760	Fine *a.* ● *p.*
Mean	28·526	28·530	38·8	38·3	35·0	44·5	2·2	1·9	·196	·196	82·6	84·2	1·5	1·3	7·9	7·4	4·090	

LAUDALE.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·81	29·86	43·0	38·0	37·0	46·4	0·7	0·4	·262	·220	94	96	NW 5	NW 4	10	9	·185	✓ ● ▲ ✳ showers.
2	·96	·96	39·1	38·4	37·0	48·4	1·1	0·8	·217	·216	91	93	NNW 3	NW 4	10	10	·140	✳ ● (sleet) showers.
3	·66	·24	36·4	40·0	33·0	40·4	0·2	4·8	·211	·159	97	64	SE 3	SE 4	10	9	·480	✳ ● (sleet) ✓.
4	·27	·56	42·7	40·2	33·0	46·4	2·7	2·7	·218	·196	80	79	NE 2	E 4	9	3	—	✳ ▲ showers.
5	·69	·65	43·0	40·2	36·3	44·0	2·2	2·4	·230	·201	83	81	E 3	E 4	8	9	—	✳ ▲ showers. ✓
6	·61	·56	43·4	41·9	37·9	47·9	3·0	2·2	·219	·221	77	84	E 4	E 4	3	8	—	Fine and bright. ✓
7	·61	·64	43·2	40·2	39·0	46·2	2·9	1·2	·219	·224	79	90	E 3	E 2	10	10	—	Snow showers on hills.
8	·50	·50	44·3	42·0	39·0	46·3	2·6	2·6	·235	·214	80	81	E 3	E 4	10	3	—	Dull and cold. ✓ all day.
9	·53	·59	43·4	42·3	39·0	47·8	2·6	3·3	·226	·204	80	76	E 4	E 1	2	10	—	✓ · Dull *p.*
10	·62	·68	40·7	35·2	35·0	43·0	2·5	1·3	·204	·180	80	87	E 2	Calm 0	10	2	—	✳ *a.* Day fine and clear.
11	·66	·66	43·0	42·2	31·2	48·8	3·1	0·2	·213	·265	77	98	E 1	Calm 0	0	10	—	Day fine and clear. Cloudy *p.*
12	·75	·93	45·7	43·4	40·7	51·7	2·2	2·7	·258	·224	85	79	E 2	E 3	7	10	—	Cloudy and threatening.
13	·95	·97	45·3	40·0	35·0	47·4	4·3	3·7	·212	·177	71	71	E 2	ENE 2	4	4	—	Fine and clear.
14	·96	29·96	47·7	44·5	32·0	49·7	0·7	1·3	·313	·264	95	90	Calm 0	WSW 1	2	10	—	⌊ *a.* Fine and bright.
15	29·98	30·03	45·1	43·8	39·6	51·3	3·7	2·0	·221	·242	74	84	NNE 3	N 1	2	9	—	Fine all day. Cloudy *p.*
16	30·01	29·97	45·2	47·4	33·6	48·8	2·2	1·8	·251	·284	84	87	N 3	NW 1	10	10	·010	
17	29·98	30·01	49·0	47·7	41·0	49·3	1·0	3·4	·322	·252	93	77	NNW 2	Calm 0	7	10	—	≋⁰ (mist). Dull all day.
18	30·02	29·94	47·2	49·8	45·0	51·7	3·0	4·8	·255	·247	79	69	W 2	W 2	9	10	·020	Threatening appearance all day.
19	29·89	·84	48·8	47·3	46·6	51·6	1·8	2·1	·300	·276	87	85	W 2	SW 3	10	10	·600	●⁰ *a.* ●² *p.*
20	·67	·48	49·3	50·4	44·8	53·0	2·9	3·4	·281	·282	81	78	SW 3	SW 2	8	10	·280	● showers *a.* ●² showers *p.*
21	·26	·33	43·0	44·0	40·0	51·8	2·0	2·3	·234	·238	84	82	SW 1	W 2	10	9	·160	●² showers all day.
22	·65	·59	41·0	42·0	37·0	47·9	2·1	4·4	·213	·184	83	70	NNW 2	SE 1	7	8	·420	● ▲ showers *a.* Fine *p.*
23	·27	·35	42·8	42·0	40·8	46·3	2·2	1·2	·228	·241	83	91	SW 2	NW 1	10	2	·130	●² showers all day. ▲
24	29·64	·90	45·2	34·3	31·0	57·6	2·4	3·0	·247	·142	83	71	NNE 2	NE 3	10	4	—	Day dry and cold. Squally.
25	30·02	·95	47·6	47·4	34·3	55·3	4·6	3·6	·228	·245	69	76	NE 2	N 1	3	2	—	
26	29·80	·74	47·0	45·4	43·9	50·7	5·0	0·5	·214	·292	67	96	E 6	Calm 0	9	10	·600	✓ till 4*p.* ●² from 2*p.* ≋⁰ (mist) [*op.*
27	·80	·77	44·2	45·2	40·0	52·2	2·5	4·3	·236	·211	81	70	NW 1	ENE 2	9	1	—	● ▲ showers *a.* Fine day.
28	·63	·48	50·0	46·3	44·1	54·8	4·7	2·1	·251	·265	70	85	NE 4	SW 3	8	10	·270	●² from 2*p.* T 6.15*p.*
29	·58	·73	46·1	47·0	40·5	51·9	3·8	4·2	·230	·229	74	72	SSW 4	NE 3	7	2	·070	Snow on hills. ▲ ● showers *p.*
30	29·77	29·59	52·0	49·0	45·0	57·3	5·1	3·1	·264	·274	69	78	SSE 4	E 4	2	9	·090	✓ · Threatening appearance at night.
Mean	29·714	29·715	44·8	43·3	38·4	49·5	2·7	2·5	·240	·229	81·0	81·3	2·7	2·2	7·2	7·4	3·450	

DUNDEE.—APRIL 1889.

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

1	29·55	29·57	46·3	38·0	34·2	50·2	3·8	3·3	·232	·168	74	73	NW 6	NW 10	5	7	·010	✓ (gale) from 11*a.* ● showers till
2	·69	·70	38·7	31·6	31·0	40·8	3·5	1·0	·170	·155	73	86	NW 8	NW 1	5	10	—	✓ (gale) till 4*p.* ●⁰ showers. [noon.
3	·59	·22	37·4	35·6	31·0	40·0	2·9	0·3	·171	·203	76	98	S 1	SE 8	10	10	·320	✳ *a.* ● and ✳ ● (sleet) *p.*
4	·15	·40	37·7	37·4	34·8	38·1	0·7	1·6	·212	·192	94	86	SE 8	E 6	10	10	·580	● and ✳ ● (sleet). Stormy till 4*p.*
5	·46	·54	37·7	37·1	35·0	38·6	0·6	1·7	·214	·188	95	85	SE 10	SE 4	10	10	·380	● ✓ (gale) *n.* and till 5*p.*
6	·50	·47	39·3	38·0	35·4	44·0	1·2	1·0	·217	·208	91	91	SE 1	E 2	10	10	·090	●⁰ showers.
7	·48	·48	39·3	37·5	36·1	40·0	1·2	0·5	·217	·214	91	95	E 6	E 6	10	10	·270	● *n.* and during day.
8	·42	·42	39·0	37·5	36·4	40·4	0·4	1·3	·230	·199	97	89	E 8	E 8	10	10	·060	● showers *n.* and during day. ✓
9	·43	·44	38·6	37·2	35·0	43·6	1·2	1·5	·211	·193	91	87	E 1	E 2	10	10	·010	● *n.* ▲ ● showers during day.
10	·48	·51	39·4	39·0	35·3	46·9	1·6	0·2	·210	·234	87	98	NE 2	NE 2	10	10	·130	● from 10*a.*
11	·48	·53	39·1	39·7	36·8	40·7	0·6	0·2	·227	·239	95	97	NE 2	E 1	10	10	·110	● *n.* and during day.
12	·67	·76	39·8	37·8	37·4	40·7	0·5	1·2	·235	·204	96	90	NE 2	E 1	10	10	·060	● *n.* and during day.
13	·75	·74	42·4	37·3	36·3	42·4	3·4	1·5	·203	·193	75	87	NE 4	NE 2	10	10	·020	● showers during day.
14	·76	·74	40·6	38·0	34·3	50·8	3·7	1·5	·182	·199	72	87	NE 1	NE 1	10	5	—	
15	·80	·79	42·1	44·4	34·8	51·5	2·4	3·8	·219	·213	82	73	E 1	NW 1	10	10	—	
16	·81	·73	46·4	47·5	39·9	51·6	3·3	3·8	·242	·243	78	75	S 1	W 2	10	10	·010	Dull, with ●⁰ showers.
17	·73	·80	52·6	49·4	45·2	63·9	3·0	2·9	·318	·283	80	81	W 1	NW 1	10	5	—	Dull till noon.
18	·82	·77	49·5	46·4	38·1	56·0	3·9	3·3	·263	·242	74	78	SW 2	W 6	5	7	—	Fine day.
19	·76	·70	50·2	48·6	44·5	53·3	3·5	1·2	·278	·312	77	92	W 6	W 2	10	10	·030	Dull day. ●⁰ showers from 1.30*p.*
20	·51	·40	48·6	49·0	45·1	57·1	3·1	3·4	·269	·268	79	77	SW 2	NW 6	10	10	·170	●⁰ showers *n.* and day. Dull day.
21	·17	·19	44·1	42·4	41·1	51·4	1·6	2·2	·254	·225	87	83	SW 6	SW 6	10	10	·020	● ▲ showers *n.* and day. ✓ 10*a.*— [6*p.*
22	·42	·52	43·1	38·7	38·5	50·3	3·3	2·0	·210	·197	76	85	NW 2	NW 2	5	7	·020	
23	·21	·18	42·1	40·4	35·1	49·3	1·6	1·0	·234	·230	88	92	SW 1	NW 1	10	10	·080	● showers from 7.30*a.*
24	·41	·64	42·4	42·4	35·2	43·7	1·4	1·0	·241	·250	89	92	NE 6	NE 8	10	10	·290	● from 8*a.* ✓ from 10*a.*
25	·81	·81	42·6	42·7	39·5	51·8	2·3	2·1	·225	·230	83	84	NE 4	SE 1	10	10	·170	● *n.* and till 9*a.*
26	·75	·61	44·2	44·0	32·3	48·6	1·7	0·5	·253	·277	87	96	S 1	S 1	10	10	—	● from 5*p.*
27	·69	·71	47·3	44·4	41·3	57·2	2·4	1·4	·270	·260	83	89	SW 1	S 4	10	10	·040	
28	·57	·41	44·4	43·4	41·9	45·9	0·2	0·2	·288	·277	99	98	SE 1	SE 6	10	10	·190	≋² ●⁰ showers.
29	·55	·67	46·5	43·7	37·8	54·0	3·4	2·2	·240	·238	77	83	SW 1	SE 1	5	10	—	
30	29·73	29·48	50·4	44·2	40·4	51·7	2·0	0·6	·294	·277	81	96	SE 2	NE 8	7	10	·670	✓ (gale at times) from 11*a.* ● from [4*p.*
Mean	29·571	29·563	43·1	41·1	37·3	47·8	2·2	1·6	·234	·227	84·2	87·4	3·3	3·7	9·1	9·4	3·730	

GLASGOW.—APRIL 1889.

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

Day	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature 9 a.m.	Air Temperature 9 p.m.	Air Temperature Min.	Air Temperature Max.	Humidity: Dep. of Wet 9 a.m.	Humidity: Dep. of Wet 9 p.m.	Humidity: Vapour Tension 9 a.m.	Humidity: Vapour Tension 9 p.m.	Humidity: Per-centage 9 a.m.	Humidity: Per-centage 9 p.m.	Wind, Direction and Force 9 a.m.	Wind, Direction and Force 9 p.m.	Cloud Amount 9 a.m.	Cloud Amount 9 p.m.	Rain 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·62	·63	43·4	40·0	39·9	47·4	3·4	3·9	·212	·174	75	70	NW 2	WNW 1	7	4	·040	Cloudy and squally, with ● 0.
2	·73	·71	39·6	38·4	35·4	44·4	5·6	3·3	·145	·172	59	73	NW 1	NW 1	7	10	·010	Dull and cloudy.
3	·55	·08	37·8	36·4	35·2	39·2	1·5	0·7	·198	·201	87	94	S 1	ENE 1	10	10	770	Overcast, with ● 2.
4	·01	·32	37·9	37·9	34·1	40·4	1·8	1·3	·193	·203	85	89	E 2	NE 2	10	7	·010	● 0 a. Dull and overcast.
5	·38	·47	39·1	37·9	37·8	41·7	1·1	2·5	·217	·181	91	80	NE 2	E 1	10	10	·055	Overcast, with ● 0.
6	·44	·39	38·9	38·9	34·9	43·5	2·3	1·3	·192	·211	82	90	ENE 1	E 1	10	9	·025	Overcast, with ● 0.
7	·40	·42	39·9	38·6	36·7	43·8	1·7	1·4	·212	·206	86	89	NE 2	E 2	10	10	·065	Overcast, with ● 0.
8	·31	·32	42·4	38·9	36·0	45·0	2·5	2·3	·218	·192	82	82	E 2	NE 2	10	9	·025	● 0 a. Dull and overcast.
9	·36	·39	39·7	37·9	35·6	43·8	2·1	1·7	·203	·195	83	86	E 2	ENE 1	10	10	·040	
10	·43	·47	37·4	39·9	36·6	42·5	0·8	0·6	·208	·233	93	95	E 1	NE 1	10	10	·065	Overcast, with ● 0.
11	·43	·45	41·4	40·9	38·1	42·7	2·5	0·8	·210	·239	81	94	N 1	ENE 1	10	10	·130	Overcast, with ● 0.
12	·60	·73	41·1	39·4	39·4	43·9	1·1	2·8	·234	·188	91	78	E 1	NE 1	10	10	—	Dull and overcast.
13	·73	·73	44·4	39·9	37·0	47·0	5·3	3·8	·187	·175	64	71	NE 1	N 1	7	9	—	Dull and cloudy.
14	·75	·74	40·1	41·9	32·1	52·5	4·8	3·3	·160	·200	64	77	NE 1	SW 1	5	4	—	Fine day.
15	·77	·81	45·2	46·0	35·4	51·7	4·4	5·4	·210	·199	70	65	N 1	NW 1	7	7	—	Fine day.
16	·80	·76	47·9	45·9	38·4	51·9	4·3	3·0	·237	·242	72	79	WNW 1	WSW 2	10	10	—	Dull and overcast.
17	·76	·84	51·9	42·4	42·4	54·7	3·0	2·1	·309	·227	80	84	W 1	W 1	10	0	—	Overcast, then fine.
18	·87	·80	46·8	47·4	41·9	49·9	4·0	3·3	·232	·251	73	77	W 1	SW 2	10	10	—	Dull and overcast.
19	·77	·71	49·0	46·8	46·0	57·3	2·9	1·2	·277	·292	80	92	SSW 2	SW 2	10	10	·180	Cloudy, with ● 0.
20	·54	·40	48·9	49·0	44·5	54·6	2·9	3·5	·276	·265	80	76	WSW 2	S 3	9	10	·125	● 0 a. Cloudy.
21	·16	·21	45·9	41·2	41·1	49·4	4·2	1·4	·219	·229	72	89	SW 5	SW 3	10	3	·090	Cloudy and squally, with ● 0 showers.
22	·46	·50	46·6	40·4	40·4	49·4	6·0	3·8	·195	·179	62	71	W 3	S 1	2	6	·113	Fine and sunny.
23	·13	·14	44·9	43·1	39·7	50·5	2·0	2·7	·253	·222	86	80	S 1	NNE 1	10	10	·045	Cloudy, with ● 0.
24	·39	·65	47·7	44·8	38·4	50·5	5·4	4·0	·214	·214	65	72	NNW 2	NNW 1	7	9	—	Cloudy.
25	·79	·80	46·3	46·9	41·9	53·7	4·8	4·1	·213	·231	69	72	NE 2	E 1	10	10	—	
26	·68	·53	47·4	45·9	36·9	51·2	4·3	1·0	·231	·286	72	93	S 1	S 3	7	10	·090	Cloudy, with ● 0.
27	·66	·64	47·4	46·2	41·1	55·7	3·9	3·6	·239	·233	74	75	WSW 1	SSE 1	10	6	—	Fine and sunny.
28	·48	·37	53·2	45·7	41·0	56·9	6·8	2·7	·243	·246	60	81	ESE 1	S 1	7	10	·005	Dull and cloudy. ● 0.
29	·49	·60	47·2	45·4	40·8	53·7	5·6	3·8	·207	·222	64	74	S 2	ESE 1	8	6	—	
30	29·59	29·37	49·4	44·9	39·9	52·4	4·5	1·1	·248	·273	70	92	NE 3	E 4	7	10	·390	Cloudy and squally, then overcast. [with ● 2.
Mean	29·536	29·532	44·3	42·3	38·6	48·7	3·5	2·5	·220	·219	75·7	81·3	1·6	1·5	8·7	8·3	2·273	

WOLFELEE.—APRIL 1889.

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

1	29·16	29·13	44·5	39·5	32·0	51·8	3·9	3·2	·212	·181	72	75	NW	N	—	—	—	Dull and blowy *a*. Blowy *p*.
2	·24	29·24	39·0	32·0	29·0	49·3	5·2	3·2	·146	·115	62	63	N	N	—	—	—	Dull and cloudy. [noon. Stormy *p*.
3	29·14	28·70	36·5	35·0	27·0	47·3	3·7	0·7	·151	·190	69	93	SW	SE	—	—	·510	Dull *a*. ● and ● ✳ (sleet) in after-
4	28·56	28·82	36·5	38·0	31·0	43·4	0·3	0·3	·210	·222	97	97	SE	E	—	—	·260	✳ and ✳ ● (sleet). T 2.30*p*. ● *p*.
5	·89	29·00	39·5	36·0	35·0	39·7	0·4	1·2	·234	·189	97	89	SE	NE	—	—	·010	Dull, with ● *a*. Clear and cold *p*.
6	·98	28·94	37·8	38·0	31·5	44·5	1·4	1·3	·200	·203	89	89	E	E	—	—	·140	Dull, with ● showers *a*. ● 0 *p*.
7	·91	·92	39·5	39·0	33·0	42·4	1·4	0·5	·214	·232	89	98	NE	E	—	—	·090	● showers.
8	·87	·86	39·5	38·5	32·5	41·7	0·4	1·8	·234	·198	97	86	E	E	—	—	—	● 0 *a*. and *p*.
9	·84	·90	38·0	37·0	33·0	41·9	2·2	1·3	·187	·195	81	89	E	E	—	—	—	Dull day.
10	·95	·99	38·0	39·0	33·0	44·9	1·2	0·8	·204	·222	89	94	E	E	—	—	·160	Dull, with ● 0 *a*.
11	28·94	28·99	38·0	40·0	34·5	43·4	0·4	0·8	·220	·230	96	94	NE	NE	—	—	·050	● *a*. Dull and cold *p*.
12	29·11	29·22	39·5	38·5	36·0	42·4	0·4	0·8	·234	·217	97	93	E	E	—	—	·020	Cold, with ● 0 *a*. Dull, with ● 0 *p*.
13	·21	·22	40·0	38·0	33·0	42·7	1·9	1·3	·209	·203	85	89	NE	NE	—	—	·040	Cold *a*. ● showers.
14	·24	·27	37·0	31·0	31·8	43·9	2·2	1·2	·179	·143	81	82	NE	NE	—	—	—	Cold and cloudy *a*. Fine and clear *p*.
15	·31	·33	39·0	40·0	27·0	40·9	1·4	1·4	·210	·218	89	89	NE	NE	—	—	—	Dull *a*. Fine *p*.
16	·34	·30	44·0	45·0	35·5	44·7	3·4	1·4	·216	·266	75	89	NE	SW	—	—	·010	Fine and mild *a*. ● showers *p*.
17	·29	·35	53·0	47·0	41·9	53·3	3·4	1·9	·313	·277	78	87	W	W	—	—	—	Fine day. Mild *p*.
18	·40	·37	46·5	48·0	29·0	64·0	2·9	1·9	·251	·287	80	87	W	W	—	—	—	Fine day.
19	·37	·31	48·5	46·5	41·9	58·8	3·4	1·9	·261	·272	77	86	SW	SW	—	—	·040	Fine and blowy.
20	29·11	29·03	47·5	47·0	41·4	58·0	1·9	1·4	·283	·289	86	90	SW	SW	—	—	·250	● showers *a*. Blowy *p*.
21	28·79	28·82	43·5	42·0	40·4	57·5	0·9	1·4	·262	·237	93	89	SW	SW	—	—	—	Fine and blowy *p*.
22	·98	29·10	47·0	36·0	36·2	52·3	3·4	2·2	·245	·172	77	80	SW	SW	—	—	·100	Fine and clear.
23	·80	28·72	40·0	39·5	33·0	53·3	0·4	0·8	·239	·226	97	94	SW	SW	—	—	·130	● *a*. Fair *p*.
24	28·88	29·07	42·5	40·0	31·0	51·0	1·4	0·4	·241	·239	89	97	NE	NE	—	—	·310	Fine *a*. Dull *p*.
25	29·29	·34	41·0	41·0	37·2	42·9	0·4	1·4	·248	·227	97	89	NE	NE	—	—	·010	Dull, with ● showers *a*. Fine *p*.
26	·26	·16	45·0	45·0	35·1	45·3	2·4	0·9	·245	·277	82	93	W	SW	—	—	·010	Fine *a*. ● 0 showers *p*.
27	·25	29·23	47·0	44·5	38·3	56·3	2·4	0·9	·266	·273	83	93	WSW	SW	—	—	·050	Dull *a*. Fine and clear *p*.
28	·07	28·95	48·5	44·0	35·1	58·0	1·9	0·9	·294	·267	86	93	SE	SE	—	—	·100	Fine and mild *a*. Distant T 6*p*.
29	·09	29·17	47·0	44·0	33·0	58·0	3·4	1·4	·245	·257	77	89	SSW	SE	—	—	—	Fine *a*. [● showers *p*.
30	29·17	28·94	46·0	44·0	35·1	58·5	4·4	0·4	·218	·279	71	97	E	SE	—	—	·290	Fine and blowy *a*. ● *p*.
Mean	29·082	29·078	42·3	40·4	34·1	49·1	2·1	1·3	·229	·227	84·6	89·1	—	—	—	—	2·580	

SCARBOROUGH.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature 9 a.m.	Air Temperature 9 p.m.	Air Temperature Min.	Air Temperature Max.	Humidity: Dep. of Wet 9 a.m.	Humidity: Dep. of Wet 9 p.m.	Humidity: Vapour Tension 9 a.m.	Humidity: Vapour Tension 9 p.m.	Humidity: Per-centage 9 a.m.	Humidity: Per-centage 9 p.m.	Wind, Direction and Force 9 a.m.	Wind, Direction and Force 9 p.m.	Cloud Amount 9 a.m.	Cloud Amount 9 p.m.	Rain 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·67	29·60	47·1	39·7	34·5	52·5	4·4	1·3	·226	·218	71	89	W 3	NW 3	0	4	·200	Brilliant. ● showers later.
2	·66	·66	38·7	37·2	35·0	44·0	3·5	2·7	·170	·172	73	78	NW 5	N 4	8	1	—	Brilliant *p*.
3	·63	·34	39·2	36·9	33·6	43·3	2·8	0·2	·186	·215	78	98	NW 2	NW 2	4	10	·210	Fine. ● later. ≋ 9*p*.
4	·03	·20	40·7	41·4	36·0	46·3	0·3	0·0	·247	·261	97	100	N 2	NE 5	10	10	·190	● 2 ≋
5	·33	·40	41·2	37·7	35·5	41·4	0·3	0·3	·252	·220	97	98	NE 4	NE 5	10	10	·450	Wet ≋
6	·43	·42	39·5	38·7	35·5	40·0	0·3	0·3	·236	·229	98	97	NE 4	NE 2	10	10	·210	Wet ≋ ● all day.
7	·32	·33	39·7	37·9	35·0	39·8	0·3	1·0	·238	·208	97	91	NE 5	NE 4	10	10	·260	Overcast all day.
8	·37	·33	40·5	38·7	36·8	40·8	0·9	0·8	·232	·219	93	93	NE 4	NE 4	10	10	—	Overcast all day.
9	·35	·40	38·7	39·7	36·5	40·8	1·8	0·3	·200	·238	85	97	NE 4	NE 4	10	10	—	Overcast all day.
10	·44	·45	39·7	39·0	37·5	40·8	0·3	0·3	·238	·231	97	98	NE 3	NE 4	10	10	·150	Sea ≋ 9*p*. Damp day.
11	·39	·50	41·2	41·7	37·5	44·8	1·0	0·0	·237	·264	92	100	SE 3	NE 2	10	10	·140	Overcast all day.
12	·58	·64	40·5	38·7	38·0	42·1	0·3	0·3	·245	·229	98	97	NE 4	NE 3	10	10	·130	Overcast all day.
13	·61	·57	40·7	38·1	37·0	47·3	2·3	0·5	·208	·219	82	95	NE 5	NE 5	8	10	·150	Fine *a*. ● showers later.
14	·63	·75	39·7	39·4	37·5	41·8	1·3	1·2	·218	·217	89	91	NE 4	NE 3	10	8	·020	● *a*. Fine afternoon.
15	·76	·80	41·1	39·5	35·0	42·7	1·5	0·0	·225	·242	88	100	N 4	NE 3	8	8	—	Fine day.
16	·79	·81	41·7	42·2	38·0	43·7	1·8	2·3	·226	·220	86	83	N 4	NE 2	7	4	—	Fine day.
17	·73	·84	49·1	49·1	41·0	51·8	2·0	0·8	·298	·328	86	94	N 4	SW 1	10	10	—	Fine day.
18	·90	·88	49·6	48·6	43·8	65·5	0·8	2·7	·334	·277	95	81	SW 2	SW 2	10	0	—	Brilliant day.
19	·93	·89	50·1	49·6	42·5	54·3	2·3	2·3	·303	·298	84	84	SW 3	SW 1	7	10	—	Fine day.
20	·68	·66	50·1	47·8	45·0	57·8	1·8	2·4	·316	·275	87	83	SW 5	SW 2	7	0	—	Brilliant day.
21	·41	·38	50·1	42·5	41·5	53·3	2·8	1·3	·292	·244	81	90	SW 7	SW 3	9	4	·070	Fine *a*. ● showers.
22	·48	·61	47·6	39·7	38·5	54·8	2·2	0·3	·277	·238	85	97	SW 6	NE 1	6	0	·080	● showers. Brilliant later.
23	·44	·26	46·0	40·2	34·6	49·3	1·8	1·0	·270	·228	87	92	SE 6	SW 2	6	0	·100	Brilliant. ● showers.
24	·30	·49	46·5	43·2	35·5	48·3	1·9	0·1	·272	·277	87	99	NE 2	NE 2	4	10	·280	Very fine. Sea ≋ 9*p*.
25	·69	·78	40·7	43·4	39·5	45·5	0·5	0·2	·243	·277	96	99	N 5	SE 1	10	10	·040	Dull and overcast.
26	·79	·66	44·9	47·4	41·0	54·3	0·6	1·5	·284	·290	95	89	SW 2	E 1	6	8	·040	Fine day.
27	·74	·74	53·6	47·6	46·0	57·8	2·3	2·2	·348	·277	84	85	SW 2	NE 1	6	0	—	Brilliant day.
28	·62	·50	49·3	44·7	44·0	50·1	1·1	0·3	·323	·288	92	97	SE 4	SE 3	10	5	·430	Fair, then ● showers.
29	·65	·72	49·6	44·7	37·0	55·3	3·2	0·8	·276	·276	78	93	SW 4	SW 3	4	0	·040	Brilliant day.
30	29·63	29·41	43·7	45·7	41·0	46·1	0·3	0·3	·276	·301	97	98	NE 4	NE 2	10	10	·220	● 2 showers.
Mean	29·565	29·567	44·0	42·0	38·4	47·9	1·6	0·9	·257	·249	88·5	92·9	3·9	2·7	8·0	6·7	3·410	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—APRIL 1889.

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

1	29·82	29·77	46·8	43·2	42·0	51·0	2·8	2·2	·255	·232	80	83	WNW 5-6	NNW 7-8	7	8	·031	Cloudy, with squally ✓. [●.
2	·82	·77	42·0	41·2	39·4	45·8	2·4	1·2	·218	·233	82	91	NNW 8	NNW 5-6	6	10	·304	Squally ✓ (force 10) *a*. Cloudy, with
3	29·62	·15	39·4	42·0	37·2	45·0	0·2	0·5	·238	·256	99	96	SE 2	WSW 2	10	10	·480	● 2 *a*. Overcast, with ≋0 (mist).
4	28·98	·26	43·3	41·0	40·4	46·3	0·5	1·3	·269	·229	96	90	E 3	NE 5	9	3	·059	● *a*. and *n*. Dull day.
5	29·34	·40	42·5	40·7	40·7	48·3	0·2	0·0	·268	·254	98	100	E 3	E 5	9	10	·038	● *a*. Dull day. Squally ✓ ● *p*.
6	·41	·34	42·0	44·0	38·4	44·8	1·2	2·0	·241	·244	91	84	E 5	E 5	10	10	·006	Overcast *a*. Dull *p*.
7	·34	·37	42·0	40·0	39·8	44·6	1·2	0·3	·241	·241	91	98	NE 4	ENE 3	10	10	·208	Dull, with ● showers.
8	·28	·25	39·8	41·8	38·4	43·4	1·1	1·8	·222	·227	92	86	E 4	E 6	10	10	·265	Overcast, with ●. Squally 9*p*.
9	·29	·34	41·0	41·7	40·4	45·2	1·5	0·9	·225	·245	88	93	ESE 6-7	ESE 5	10	10	·147	Squally ✓ ● *a*. Dull day. ● from 6*p*.
10	·40	·43	41·0	43·7	39·8	43·7	1·0	1·7	·235	·247	92	86	ESE 4	E 2	10	10	·100	● *a*. Overcast. ● 0 showers from 4*p*.
11	·41	·42	39·8	42·7	38·3	43·7	0·8	0·7	·228	·259	94	94	NNE 3	E 1	10	10	·201	Overcast, with ●.
12	·55	·67	43·3	42·9	41·2	48·0	1·5	1·0	·248	·235	88	85	ENE 3	NE 4	10	10	·002	Dull day.
13	·72	·74	45·7	40·3	38·4	47·3	3·9	2·5	·223	·199	74	80	NE 5	NNE 4	8	8	—	✓ *a*. Dull day.
14	·76	·84	43·6	38·5	37·8	45·6	4·6	1·8	·192	·199	67	86	NNE 4	N 2	3	3	—	Fine day.
15	·83	·88	46·6	44·8	34·1	51·0	2·0	3·3	·271	·226	86	76	NW 4	NNE 3	8	10	—	Cloudy day.
16	·89	·86	47·1	45·0	41·3	51·4	2·1	1·4	·274	·266	85	89	NNW 4-5	NNW 4-5	8	10	—	✓ *a*. Cloudy day.
17	·86	·91	48·4	45·0	44·6	55·2	1·1	2·2	·312	·249	92	84	NW 5	N 4-5	9	0	—	✓ *a*. Cloudy day.
18	·97	·94	48·6	47·8	41·1	53·5	3·4	0·0	·262	·333	76	100	WNW 2	Calm 0	9	1	—	Very fine. ⌓ *p*.
19	·95	·88	48·2	47·0	39·4	51·2	1·6	1·7	·297	·282	89	88	W 3	SW 5	10	10	·040	Dull day. ✓ *p*.
20	·70	·55	51·3	47·0	45·6	54·0	3·1	1·0	·300	·298	79	93	WNW 5	SSW 5-6	3	10	·200	● *a*. Cloudy day. [7.30*p*.
21	·35	·37	47·2	44·8	43·2	51·0	2·4	1·3	·269	·267	84	90	SW 5	SW 4	7	10	·082	Squally ✓ ● *a*. Cloudy day. ●
22	·56	·61	46·8	43·2	40·8	51·0	3·8	1·2	·235	·253	74	90	NNW 5	SSW 2	7	10	·268	● *a*. Fine day. ⌓ *p*. [● *p*.
23	·28	·16	46·2	44·0	43·2	51·0	2·2	1·2	·263	·261	85	90	W 5-6	W 3	10	10	·103	Squally ✓ ● *a*. Cloudy and squally.
24	·40	·58	48·5	44·8	42·3	53·6	3·7	3·0	·255	·231	75	78	NNE 4	NNE 6-7	7	6	·019	● *a*. Cloudy. Squally ✓ ● *p*.
25	·80	·85	47·4	41·0	39·0	52·8	4·6	1·2	·225	·231	70	90	NE 4	Calm 0	6	1	—	Fine day. ⌓ *p*.
26	·74	·66	49·3	46·6	33·4	51·2	2·6	0·2	·288	·313	82	99	SSE 3	SW 3	7	10	·534	Cloudy *a*. ● ≋0 (mist) *p*.
27	·76	·68	50·9	46·0	37·6	52·2	4·1	1·2	·273	·283	74	92	WSW 3	SE 2	3	4	·002	● *a*. Very fine day. [*p*.
28	·49	·46	49·6	43·0	43·0	50·2	2·4	1·2	·296	·251	83	90	SE 4	SW 3	7	4	·137	⌓ *a*. Fine *a*. Dull, with ● 2 showers
29	·56	·60	45·3	46·0	40·0	49·1	1·9	1·5	·259	·276	86	90	SSE 4-5	E 2	9	6	·017	✓ ● 2 showers *a*. Cloudy. ● ▲
30	29·50	29·32	48·3	47·8	43·4	52·7	4·4	1·3	·239	·300	71	91	E 4	E 4	10	10	·370	● *a*. Dull day. ● 2 showers from [noon.
Mean	29·580	29·568	45·4	43·6	40·1	49·1	2·3	1·4	·254	·254	84·1	89·4	4·2	3·6	8·1	7·8	3·613	

STONYHURST.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·55	29·47	43·7	41·2	35·3	49·9	2·7	2·5	·227	·209	79	81	WbyN 3	WNW 3	10	10	·020	Overcast and squally. ● p.
2	·55	·51	42·0	40·3	37·0	43·5	6·4	4·1	·153	·173	58	68	NWb.W 2	NW 1	9	10	—	Overcast, gloomy, and squally p.
3	29·43	29·01	38·9	40·0	35·1	41·4	4·0	1·0	·164	·226	69	92	Calm 0	Calm 0	10	10	·350	Dull and overcast, with ●.
4	28·74	28·93	46·3	41·9	38·9	49·5	5·0	1·8	·209	·228	67	87	ESE 2	NE 2	8	10	·148	T 3p. < 3p. Overcast p.
5	29·08	29·13	42·0	36·2	35·5	48·1	2·0	1·3	·225	·189	85	89	NE 2	NE 2	9	10	·028	Overcast. ● p.
6	·19	·13	41·3	41·0	35·2	48·2	2·0	2·8	·219	·201	84	78	NEb.E 1	ENE 2	9	10	·023	
7	·07	·10	38·9	37·1	36·7	41·6	1·6	1·3	·206	·195	88	88	NE 2	NEb.E 1	10	10	·024	Dull and overcast. ● 0 p.
8	·07	·03	37·9	38·3	33·8	44·7	1·0	1·2	·209	·207	92	90	NE 1	NE 3	10	10	·035	● 0 a. Overcast and gloomy.
9	·07	·11	39·0	39·8	36·6	42·2	2·1	2·0	·197	·206	83	84	ENE 4	ENE 3	10	10	·061	Dull and overcast. ● 0 p.
10	·17	·18	40·9	40·9	37·3	44·4	1·6	1·6	·222	·222	87	87	ENE 2	ENE 1	10	10	·140	Dull and overcast.
11	·10	·20	38·5	42·9	35·8	46·9	1·2	2·5	·209	·224	90	82	NNE 1	NEb.N 1	10	10	·005	● 0 a. Overcast.
12	·31	·40	42·6	40·0	39·1	46·3	2·3	2·1	·225	·205	83	83	NEb.E 2	NE 2	10	10	—	Overcast and gloomy.
13	·43	·43	41·4	38·3	36·6	45·7	3·9	3·1	·187	·173	72	75	NEb.N 2	NbE 2	10	10	—	
14	·46	·57	41·2	38·7	36·9	45·3	4·1	3·8	·181	·165	70	70	NE 2	NEb.N 1	10	7	—	
15	·57	·63	43·3	41·0	34·3	49·3	2·3	3·7	·231	·185	82	72	WSW 1	Calm 0	10	10	—	
16	·60	·58	47·3	44·2	38·0	50·8	3·3	1·9	·250	·248	77	85	WbyS 1	NE 1	9	10	—	Overcast.
17	·58	·65	48·7	45·2	41·6	57·0	2·7	1·1	·279	·275	81	92	SW 1	SWb.W 1	10	6	—	
18	·74	·72	47·9	45·0	39·0	53·5	3·9	2·3	·244	·247	74	83	W 3	Calm 0	6	0	—	Fine and sunny.
19	·75	·69	47·2	47·5	41·0	50·6	2·0	2·6	·278	·268	86	82	WSW 2	SW 2	10	10	·130	Overcast day.
20	·49	·44	47·3	48·2	44·7	53·8	1·1	3·9	·299	·247	92	74	SWb.W 3	SWbyS 3	10	10	·155	Overcast, with ● a.
21	·18	·18	42·0	42·0	41·1	48·6	1·1	2·0	·243	·225	91	85	SW 2	SWb.W 1	10	0	·085	Overcast, with ● 0 ▲ a. Clear p.
22	·32	·42	45·3	39·0	38·2	49·1	2·6	1·7	·245	·205	81	86	WbyS 3	WSW 1	10	0	·021	Overcast, with ● 0 a. Fine and sunny.
23	·14	·01	44·3	43·5	36·4	58·6	3·3	2·6	·221	·227	75	79	S 5	SW 1	10	10	·484	Overcast, with ● a.
24	·08	·27	44·5	42·7	38·9	52·9	2·3	2·5	·242	·222	85	81	NNE 1	NE 1	9	10	·015	
25	·49	·59	45·9	43·0	39·4	52·7	4·6	2·5	·214	·225	69	81	NEb.N 2	EbyN 1	7	3	—	
26	·55	·46	46·1	47·0	34·3	55·3	2·3	1·9	·260	·277	84	87	Calm 0	SbyE 2	9	10	·075	└─ a. Overcast, with ● p.
27	·55	·50	51·1	46·6	41·3	56·0	5·9	1·3	·339	·287	64	91	WbyS 2	Calm 0	7	10	·018	Overcast p.
28	·32	·26	49·7	44·0	40·4	55·9	3·6	2·0	·270	·244	76	84	SE 1	WSW 1	10	10	·090	
29	·39	·42	47·2	46·2	36·6	53·7	4·1	4·9	·233	·210	73	68	SbyE 4	EbyS 1	4	1	—	
30	29·30	29·12	47·0	48·0	41·2	49·9	4·3	2·0	·227	·285	71	86	NEb.E 2	EbyS 1	10	10	·118	Overcast. ● p.
Mean	29·342	29·337	44·0	42·3	37·9	49·5	3·0	2·3	·227	·223	78·9	82·3	2·0	1·4	9·2	8·2	2·025	

HILLINGTON.—APRIL 1889.

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

1	29·81	29·67	42·0	42·7	31·5	53·6	1·0	2·2	·245	·228	92	83	N 3	NW 5	10	10	·080	└─ 0 early a. Overcast, with ● later.
2	·76	·75	41·5	35·2	34·6	47·1	3·8	0·5	·188	·195	73	95	N 5	NNW 1	3	10	·030	╱ a. ✳ 9p. [╱ (gale) 6p.
3	·72	·46	38·8	37·4	33·1	47·4	2·2	0·7	·193	·209	82	94	NW 3	WNW 3	6	10	·138	Fine a. Cloudy from 2p. Much cir.
4	·13	·18	45·9	41·1	36·2	54·6	2·1	1·3	·261	·230	86	89	S 2	SE 2	7	2	—	Cloudy, then sunny. [noon.
5	·35	·42	45·7	37·9	37·2	47·7	1·9	0·6	·264	·216	87	95	SE 3	NE 0·5	10	0	·010	
6	·47	·40	42·8	38·2	32·7	47·3	1·1	0·5	·251	·220	92	96	NE 2	ENE 3	8	10	·093	● 0 a. and p. Overcast all day.
7	·32	·39	42·0	34·9	34·9	46·4	1·3	0·3	·238	·196	90	97	SE 1	ENE 0·5	10	0	·004	Overcast all day [cast.
8	·31	·25	43·5	41·3	34·9	45·1	0·7	0·9	·267	·240	94	93	ENE 4	ENE 6	7	10	·010	● 0 early a. Cold, blustering, and over-
9	·29	·38	40·7	41·0	39·2	48·4	0·5	1·5	·243	·225	96	88	E 6	NE 4	10	10	—	Sunny 1.30p.—3.50p., then overcast.
10	·40	·40	43·7	40·7	39·4	45·5	0·4	0·0	·275	·254	96	100	NE 3	E 2	10	10	·263	Overcast all day. ● from 2.15p.
11	·41	·48	45·1	40·0	37·1	52·4	1·3	0·9	·269	·228	90	93	E 3	ESE 2	5	1	·115	
12	·54	·61	41·7	40·8	34·6	43·6	0·0	1·1	·264	·231	100	92	NE 2	NE 4	10	10	·032	● 0 early a. Overcast all day.
13	·63	·58	42·8	38·1	36·4	45·2	2·0	0·4	·232	·222	85	96	NE 3	NE 3	9	10	·253	● 0 early a. Overcast.
14	·61	·79	39·8	39·1	36·2	40·6	0·6	0·3	·232	·232	96	97	NE 4	NE 4	10	10	·060	● 0 early a. Ψ 11p.
15	·83	·86	43·8	38·1	35·2	46·5	2·3	1·4	·235	·202	82	88	NE 2	NE 1	8	8	·028	● 1p.—3p. Ψ 8p.
16	·86	·86	42·9	37·0	35·4	42·9	2·2	0·9	·230	·202	83	92	NNE 1	NE 1	10	4	·002	● 0 early a. Ψ
17	29·83	29·92	45·3	44·0	33·3	50·3	1·5	0·2	·267	·294	89	99	NW 2	N 1	10	10	·010	∞ early a. Overcast.
18	30·01	30·01	50·9	49·1	43·2	62·5	1·2	0·4	·342	·339	92	97	NW 1	SW 0·5	10	0	·003	⌒
19	30·08	30·09	49·4	49·1	41·3	52·3	1·9	2·6	·304	·284	87	82	W 3	W 2	10	10	—	Cloudy.
20	29·88	29·83	51·0	48·1	44·7	60·8	3·2	2·5	·294	·275	79	82	W 5	WSW 3	10	1	—	Cloudy and windy, then fine.
21	·65	·58	51·0	43·9	42·1	55·6	4·3	1·5	·269	·253	72	88	SW 6	SW 5	10	0	·029	Cloudy all day. ● 2 4p. [and windy.
22	·66	·72	48·1	40·0	37·0	58·3	2·7	1·2	·271	·222	81	90	SW 5	NW 1	4	0	·018	K 4p. K ▲ 0 ● 2 6p. Fine, sunny,
23	·63	·41	48·8	40·0	31·0	52·6	3·8	0·4	·256	·238	74	97	SW 4	SW 0·5	3	1	·170	● 2 3p. and 5p. Fine afterwards.
24	·33	·47	46·0	42·1	36·3	51·3	1·8	0·4	·269	·259	87	97	SSE 1	NE 1	10	8	·018	● 2 early a. T 3p. ● 0 4p.
25	·69	·88	45·3	40·5	40·2	47·4	1·1	0·7	·276	·237	92	94	NE 3	NE 0·5	10	5	—	Cold and cloudy.
26	·90	·86	48·2	48·3	40·5	60·3	3·9	2·7	·247	·273	74	81	NW 1	SE 0·5	6	8	·058	Very fine and sunny. ● 2 Midt.
27	·87	·84	50·4	50·5	45·2	60·4	0·8	0·9	·344	·344	94	94	SW 0·5	SW 1	10	10	·097	Cloudy day.
28	·71	·61	50·4	48·0	43·1	56·4	0·2	1·9	·301	·288	98	87	S 2	SW 3	10	10	·085	● till 9a. ● 1p.
29	·78	·79	50·0	43·9	34·8	59·5	4·3	2·3	·259	·236	72	82	SW 3	SSE 2	5	0	·017	Fine and sunny.
30	29·57	29·47	50·0	49·8	41·0	59·2	0·5	0·4	·348	·348	97	97	SE 5	SE 1	10	10	·066	Overcast and windy. ● 2 7p.
Mean	29·635	29·631	45·6	42·1	37·4	51·4	1·8	1·1	·266	·247	87·1	91·8	3·0	2·1	8·4	6·3	1·689	

CHURCHSTOKE.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·44	29·36	46·8	42·3	36·0	51·6	0·5	1·6	·307	·236	96	88	NW 2	NW 2	9	5	·050	
2	·41	29·35	40·4	40·0	36·5	48·5	2·3	1·1	·204	·225	82	91	W 2	SW 2	9	10	·170	✳ 9a. ● showers.
3	29·24	28·82	44·6	44·8	36·8	45·3	0·9	1·5	·273	·262	93	88	SW 1	SW 2	10	8	·310	Steady ●.
4	28·60	·70	41·0	39·0	35·0	47·5	1·1	1·1	·233	·216	91	91	W 2	SW 1	9	10	·320	● 2 in past night. Snow on hills.
5	·85	·89	41·2	41·8	38·4	46·5	0·8	1·7	·241	·229	94	87	NE 2	E 2	10	10	—	Cold wind.
6	·97	·88	42·0	39·0	37·0	46·1	1·9	0·6	·227	·225	86	95	E 2	SE 1	10	10	·110	Cold, with ∞.
7	·82	·88	36·7	38·8	34·1	45·6	0·6	0·9	·205	·218	95	93	N 2	NNW 1	10	10	·640	● 2
8	·79	·71	33·1	38·8	32·0	39·2	1·2	0·9	·163	·218	87	93	Calm 0	SE 2	10	10	2·094	✳ 2 ● all day. K [known.
9	·81	·87	38·7	39·0	37·8	40·0	0·6	0·1	·223	·236	95	99	E 1	E 1	10	10	·410	● 2. Floods higher than have been
10	·93	·94	40·4	39·8	37·8	41·0	0·6	0·9	·237	·226	98	93	ESE 1	SE 1	10	10	·740	≋ (mist) on hills. Steady ● p.
11	28·92	28·98	34·1	36·4	31·8	41·5	0·2	0·5	·193	·205	98	95	ENE 1	NW 1	10	10	·010	✳ ≋ 0 (mist) a. ∞
12	29·06	29·17	43·8	39·8	35·0	49·6	1·9	0·9	·243	·226	85	93	N 1	NE 2	9	10	—	∞ a.
13	·23	·23	39·4	38·3	36·0	48·1	2·5	2·4	·193	·186	80	80	NNW 2	N 1	8	10	·170	Cloudy and cool.
14	·26	·38	36·9	38·8	33·2	42·7	1·2	1·9	·195	·190	90	84	N 2	NE 2	10	10	·178	✳ ●
15	·40	·43	45·8	41·6	28·0	50·7	4·9	2·1	·206	·219	67	84	NNW 2	N 2	6	10	—	Bright, with cool wind.
16	·44	·43	41·8	41·8	31·1	50·1	2·9	1·9	·206	·225	78	85	W 2	N 1	9	9	—	Dull and cool.
17	·43	·49	46·6	43·8	39·9	53·9	2·3	2·5	·264	·231	84	80	N 1	NW 1	10	2	—	Cloudy.
18	·56	·58	45·8	44·8	38·4	63·9	1·9	1·9	·264	·253	86	85	W 1	W 2	9	2	—	≋ 0 (mist) on hills.
19	·62	·55	47·3	46·8	43·1	50·3	2·4	1·9	·270	·275	83	86	SW 2	SW 2	10	10	·018	Dull day.
20	·56	·30	49·7	47·7	44·8	56·5	2·4	3·6	·297	·248	84	76	SW 2	SW 3	8	6	·050	Squally.
21	·06	·08	46·2	43·0	40·8	51·1	2·3	1·1	·260	·253	84	91	SW 2	SW 2	10	9	·190	Squally, with ● showers.
22	·18	29·27	48·3	37·8	37·0	54·3	4·0	0·9	·247	·208	73	92	SW 1	W 1	6	0	·010	
23	29·03	28·87	44·8	43·4	36·2	52·1	1·7	2·3	·258	·231	87	82	SSW 4	SW 2	10	5	·330	Squally, with heavy storm of ▲ ●.
24	28·83	29·09	42·8	41·8	38·0	48·6	1·5	1·3	·242	·236	88	90	N 2	NW 2	10	10	·105	Cold, with ● 2 showers.
25	29·31	·41	43·2	35·9	35·0	53·1	2·3	2·0	·230	·173	82	82	NNW 2	NW 1	10	0	—	Cold day.
26	·39	·31	48·9	47·7	30·1	53·7	4·1	1·8	·250	·288	73	87	W 2	W 2	6	8	·042	Bright and breezy. ● showers p.
27	·39	·25	51·1	38·8	35·1	59·5	2·3	1·3	·316	·209	84	90	SW 2	SW 1	9	0	—	
28	·11	·14	47·9	37·8	36·0	52·6	2·0	1·7	·285	·193	86	86	SE 3	W 2	10	0	·065	Dull, with cold wind. ● p.
29	·19	29·16	46·2	42·8	32·9	54·6	2·8	2·9	·249	·214	81	78	SSE 3	SE 2	8	0	·022	Stormy.
30	29·03	28·92	45·3	42·8	39·8	53·0	1·4	1·1	·270	·251	89	92	SE 2	ESE 2	10	6	·565	Cold and stormy, with ● 2. ▲ 2 (very [heavy).
Means	29·155	29·146	43·4	41·2	36·1	49·7	1·9	1·5	·242	·227	85·9	87·9	1·8	1·6	9·2	7·0	6·606	

CARMARTHEN.—APRIL 1889.

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

1	29·85	29·80	50·5	46·8	43·0	53·2	2·3	4·8	·308	·217	84	68	N 2	Calm 0	2	9	—	Fine day.
2	·84	·75	47·0	47·6	42·6	51·0	4·8	3·5	·218	·249	68	76	NW 3	NW 4	9	10	·010	
3	29·62	·24	49·2	47·1	43·4	50·6	3·2	1·1	·273	·297	78	92	NW 2	SW 4	10	10	·330	Dull, with frequent ● showers.
4	28·91	·07	45·8	42·4	40·0	47·8	2·5	1·9	·251	·231	82	86	NW 5	N 2	7	10	·030	Frequent ● showers.
5	29·20	·25	48·4	43·9	40·8	53·0	3·9	2·4	·249	·234	74	82	N 1	Calm 0	6	10	—	
6	·30	·20	47·8	43·9	38·9	55·0	3·3	2·4	·256	·234	77	82	E 1	SE 1	8	10	—	Fine day.
7	·17	·20	44·8	40·9	39·2	48·4	3·9	1·2	·215	·230	72	91	N 2	Calm 0	9	10	·080	● 0 showers. ▲ 3.30 p.
8	·13	·05	39·9	43·2	37·5	47·8	1·4	1·3	·218	·250	89	89	E 1	Calm 0	10	10	·050	● 0 showers. Overcast all day.
9	·15	·22	44·4	41·5	40·8	47·0	2·2	1·0	·243	·240	83	93	E 1	Calm 0	10	9	—	Overcast all day.
10	·27	·28	49·7	44·1	36·9	55·3	4·7	2·6	·248	·232	70	80	E 1	E 3	6	10	·050	Fair.
11	·27	·30	40·9	41·1	36·9	44·7	1·9	0·6	·217	·244	85	95	N 1	NW 2	10	10	·140	Overcast all day.
12	·41	·48	48·0	44·3	38·1	53·8	3·9	2·0	·245	·246	74	84	E 1	NE 4	10	9	·160	Fair.
13	·57	·60	43·5	42·3	40·2	50·3	3·0	2·8	·220	·212	78	80	E 2	N 1	10	7	—	Fair.
14	·63	·72	45·3	42·9	38·5	48·9	5·1	3·4	·198	·207	66	76	NE 3	N 3	8	10	—	Fair, with cold wind.
15	·77	·79	50·5	40·7	32·1	54·2	7·0	1·4	·214	·225	59	88	NE 2	N 3	6	0	—	Fine day.
16	·83	·83	49·2	43·7	34·0	55·1	5·9	2·0	·219	·240	63	84	N 1	Calm 0	8	10	—	Fine day.
17	·81	·87	49·7	45·0	42·2	52·3	3·2	1·2	·278	·271	79	91	W 3	Calm 0	10	0	—	Fine day.
18	29·94	·98	55·7	44·9	40·3	62·3	4·3	0·2	·327	·294	74	99	Calm 0	Calm 0	0	10	—	Fine day.
19	30·02	·91	48·0	47·8	44·6	50·0	2·2	0·8	·281	·312	85	94	SW 3	SW 5	10	10	·060	Dull and cold.
20	29·83	·73	53·6	47·8	46·4	56·8	6·1	1·0	·262	·307	64	93	W 3	SW 3	8	10	·080	Fair.
21	·45	·48	44·3	44·9	43·9	51·4	1·8	2·4	·251	·244	86	83	SW 2	SW 4	10	10	·070	Squally in past n. ● showers.
22	·59	·65	52·4	40·9	38·5	55·7	6·1	1·4	·248	·226	64	89	NW 3	Calm 0	8	0	·170	Fine day. ⌒ 6p.
23	·39	·30	46·1	43·9	40·2	53·7	0·3	1·4	·305	·255	98	89	SW 6	SW 2	10	0	·190	Squally. Frequent ● showers.
24	·31	·50	43·7	44·9	41·3	52·7	1·7	2·5	·247	·242	86	82	NW 1	N 3	10	0	·020	Fair.
25	·70	·79	52·7	40·9	40·2	54·9	6·2	1·4	·250	·226	65	89	N 2	Calm 0	3	0	—	Fine day.
26	·75	·68	50·2	47·3	33·5	51·6	3·4	0·5	·279	·313	78	97	S 1	S 1	10	10	·180	Dull, with ●.
27	·76	·67	53·0	47·2	38·5	55·6	2·2	1·4	·343	·290	85	91	SW 3	S 1	10	10	·060	● 0 showers. ⌒ 7p.
28	·42	·49	46·5	41·7	38·6	55·7	1·2	2·2	·288	·218	92	84	S 4	SW 1	10	3	·190	
29	·52	·46	50·7	44·9	39·2	54·5	5·2	3·4	·248	·225	68	76	S 3	E 3	4	0	·170	▲ 5.30p.
30	29·23	29·19	50·3	46·8	43·9	56·9	2·7	2·3	·297	·267	82	84	SE 4	SE 3	10	10	·170	Frequent ● showers. K ● 2 2p.
Means	29·521	29·515	48·1	44·2	39·8	52·7	3·5	1·9	·257	·249	76·9	86·2	2·2	1·8	8·1	7·2	2·210	

MARGATE.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·86	29·69	43·1	43·0	35·0	49·5	1·7	2·0	·241	·234	86	84	W 2	W 4	2	7	·090	Fine day. ● 8.30p.
2	·78	·76	41·6	39·0	37·1	47·0	2·9	2·2	·204	·195	78	83	WNW 2	N 1	9	10	·120	▲ 4a. Fine day.
3	·74	·55	38·6	36·6	34·8	45·2	2·6	1·6	·185	·186	79	86	NW 2	W 3	7	10	·140	Fine day. ● in evening.
4	·20	·24	47·8	41·3	35·0	51·3	2·3	0·3	·277	·253	84	98	SSW 4	SW 2	9	0	·010	Fine day.
5	·35	·40	47·5	42·1	36·1	52·8	2·1	0·3	·278	·261	86	97	S 2	SSE 2	4	3	·040	◺² a. Bright and sunny.
6	·42	·37	40·9	40·1	39·0	46·5	0·1	0·6	·254	·235	99	95	NE 3	N 2	10	10	—	≋ a. ◠ 5.30p.
7	·31	·34	44·0	43·9	37·1	47·6	1·7	1·1	·250	·262	86	91	E 2	E 1	10	10	·010	● 8p.
8	·29	·20	47·1	46·8	41·4	49·0	1·7	2·6	·283	·259	88	81	E 3	E 3	3	10	·030	Fine day.
9	·24	·35	44·4	42·3	41·1	47·1	0·6	0·5	·278	·259	95	96	E 1	E 1	10	0	—	Fine day. ☋
10	·38	·45	42·1	40·9	40·0	44·4	0·1	0·0	·266	·256	99	100	N 1	NW 1	10	10	·300	● ≋
11	·42	·49	45·2	42·7	34·0	50·6	1·9	0·7	·257	·259	86	94	S 2	S 2	8	4	—	Fine day.
12	·52	·52	45·1	42·4	39·5	45·8	1·0	0·4	·276	·262	92	97	E 1	E 3	8	10	·170	≋ p.
13	·56	·58	39·7	38·9	38·1	45·8	0·9	0·8	·226	·220	92	94	N 3	W 1	10	10	·130	▲ before 9a. Sunny a. ● p.
14	·58	·74	40·7	40·7	37·6	43·8	0·8	0·5	·237	·243	93	96	N 2	NW 3	10	10	·010	Frequent ● showers.
15	·82	·84	42·1	40·9	38·0	46·8	2·2	2·7	·222	·202	83	79	N 2	N 2	8	3	—	Dull day, but sunny at times. ☋
16	·87	·87	42·1	40·2	37·2	44·8	1·4	2·8	·238	·193	89	78	N 2	N 1	10	8	—	Fine day.
17	29·80	29·90	42·1	43·1	38·8	48·8	2·0	0·8	·225	·281	85	93	N 1	N 2	10	10	—	Fine day.
18	30·04	30·03	47·4	46·0	45·1	52·5	1·2	0·4	·298	·301	91	97	W 1	N 2	10	3	—	Fine day.
19	·14	30·16	54·0	48·7	42·8	62·5	3·8	2·7	·317	·277	75	81	S 1	N 3	0	0	—	Fine and warm.
20	30·04	29·94	51·9	46·8	42·9	56·8	2·9	1·6	·312	·281	81	88	WSW 4	SW 4	6	0	—	Fine and windy.
21	29·77	·72	51·1	47·2	41·9	54·8	3·3	2·7	·293	·262	78	82	W 4	W 5	4	6	—	Fine and windy.
22	·74	·80	50·6	44·3	43·1	55·5	2·6	2·3	·303	·240	82	82	W 4	W 3	4	0	·030	Windy, with ● showers.
23	·75	·55	49·1	44·5	43·9	53·0	5·1	0·5	·233	·281	67	96	SW 3	W 4	2	10	·170	Windy, with ●.
24	·39	·45	41·3	43·1	40·0	51·8	0·3	0·2	·253	·274	98	98	W 2	W 1	10	9	·260	● showers.
25	·60	·84	44·0	43·6	40·3	47·8	2·0	2·4	·243	·231	84	81	N 2	NW 1	10	10	·110	●²
26	·92	·95	48·8	43·1	41·3	56·8	4·3	0·9	·245	·258	71	93	N 1	S 2	0	1	·180	Fine and bright.
27	·92	·89	48·8	46·0	42·0	53·8	0·8	0·8	·324	·292	94	94	W 3	S 1	10	6	·070	Fine and sunny.
28	·74	·69	52·3	47·9	45·1	58·1	1·3	1·3	·357	·302	91	91	S 2	S 3	10	10	—	Very fine.
29	·82	·79	51·2	42·0	39·1	55·0	5·5	2·3	·247	·218	66	83	SW 2	SW 2	4	4	·020	Fine and warm.
30	29·57	29·53	50·9	47·3	44·7	61·9	1·3	0·6	·339	·311	91	96	SW 2	S 2	10	10	·040	Dull day.
Mean	29·655	29·653	45·9	43·2	39·7	50·9	2·0	1·3	·265	·253	85·6	90·1	2·2	2·2	7·3	6·5	1·930	

SOUTHAMPTON.—APRIL 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction + ·016.

1	29·96	29·87	47·5	44·6	33·3	56·2	2·8	2·1	·263	·248	81	84	WNW 2	NW 3	2	0	·017	Beautiful day.
2	·90	·85	46·9	45·6	40·0	53·5	5·1	1·8	·212	·266	67	87	NW 4	NW 2·5	9	10	·085	Fine, but with cold wind. ● from 7p.
3	·81	·46	39·9	44·5	38·6	46·7	0·7	0·4	·231	·283	95	97	W 1·5	SW 4	10	10	·195	● till 1p., and from 5p.
4	·17	·20	48·2	41·5	41·2	50·2	4·4	1·3	·238	·234	71	90	SSW 4	SW 2	8	1	·045	Beautiful a.
5	·31	·36	47·5	42·5	40·3	52·4	2·4	1·0	·271	·250	83	92	SE 2	ENE 1	3	10	·015	Beautiful day.
6	·43	·36	45·9	41·5	39·2	52·7	2·5	1·1	·254	·239	83	91	ENE 1·5	NE 1	10	1	·023	Beautiful a. ▲² ●² 1p. ●² showers [till 3.30p.
7	·28	·31	43·7	45·0	38·2	53·7	1·7	2·0	·247	·265	86	86	NE 2	NE 1	8	10	·090	Beautiful day. ● from 9p.
8	·25	·17	47·5	45·3	43·0	54·5	2·4	0·5	·271	·291	83	96	SE 2·5	NNE 1·5	10	10	·425	● early a. Day fine and pleasant. ● [from 5p.
9	·24	·34	45·7	45·9	44·7	50·4	0·5	0·9	·295	·288	96	94	ENE 1	NW 2	10	10	·146	● 9a.—1p.
10	·42	·42	49·6	44·9	39·2	55·3	2·7	1·0	·289	·275	82	93	NW 1·5	SW 0·5	10	3	—	Beautiful day. Large ☋ 9p. ◺ n.
11	·41	·46	40·9	41·5	36·0	51·9	0·4	0·7	·247	·248	97	94	ENE 1	NE 1	10	0	—	Fine and pleasant. ◺² n.
12	·51	·57	47·9	44·8	39·3	56·6	2·2	0·7	·280	·280	85	95	NE 1	N 2	10	10	·190	◥² ●² 2p.
13	·64	·67	42·7	41·9	41·2	47·2	1·6	2·2	·239	·222	87	85	NNE 2·5	NW 1·5	10	10	·023	Cold all day.
14	·67	·79	41·5	41·9	37·3	46·4	1·7	1·1	·227	·244	87	92	N 2	NE 2	10	10	·005	● showers till 3p.
15	·88	·88	44·1	51·6	37·2	51·6	3·3	1·7	·219	·228	75	87	N 2·5	NE 0·5	10	10	—	Fine, dry, and pleasant.
16	·93	·89	47·6	45·6	32·8	54·7	4·4	2·4	·232	·252	70	82	NE 2	NE 1·5	9	10	—	Beautiful a. Overcast p.
17	29·90	29·94	46·7	52·4	40·1	57·5	2·6	2·5	·259	·329	82	83	NNE 2	NE 3	10	10	—	
18	30·06	30·09	50·1	48·7	48·1	63·6	1·4	1·6	·326	·304	90	89	NW 1	SW 1	10	0	—	Beautifully fine and warm. ◺ n.
19	·18	30·17	56·5	47·5	42·8	63·7	4·8	1·5	·326	·291	71	89	W 1·5	SW 1·5	1	1	—	Beautifully fine throughout.
20	30·02	29·97	50·5	47·2	46·0	58·6	1·8	1·1	·322	·298	88	93	SW 4	SW 2·5	10	1	·023	Fine and pleasant.
21	29·76	·71	49·8	44·6	44·3	54·8	2·2	1·7	·302	·256	85	87	SW 4	SW 2·5	10	0	·018	● ² shower 3p. ⸝ [fine and pleasant.
22	·75	·82	52·6	45·9	41·6	59·8	4·6	1·7	·281	·271	71	89	W 1	W 1	6	0	·036	● ▲ shower 1.30p. Day otherwise
23	·74	·51	47·6	43·9	36·3	52·9	1·8	0·9	·286	·266	88	93	SW 3	SW 0·5	9	1	·106	● ² shower 9a. ⸝ ● p.
24	·41	·52	50·3	43·6	42·2	52·8	4·8	1·6	·252	·248	69	87	SW 2	NW 2·5	9	1	·140	● showers. ◥ ▲ ● 4p. ◠ 5p.
25	·69	·91	44·9	42·7	41·0	53·3	1·6	1·1	·261	·250	88	91	NW 2	Calm 0	10	0	—	Fine and pleasant. ◺ n.
26	·96	·92	53·7	47·4	34·6	57·8	5·0	0·9	·285	·306	69	94	SW 1·5	SW 3	1	10	·145	◺ a. Beautiful day. ● from 5p.
27	·94	·87	54·7	46·1	45·7	58·4	3·6	1·3	·331	·282	77	91	NW 1	SW 1·5	8	1	—	Beautiful day.
28	·70	·71	51·7	43·7	41·4	58·3	2·8	1·1	·313	·260	81	91	SSE 1·5	SW 1	9	1	·097	Beautiful day till 2p. ● 2.30p.–4.30p.
29	·79	·70	51·6	46·7	38·1	56·0	4·5	3·1	·272	·249	72	79	SW 3·5	SE 4	8	0	·055	● early a. Beautiful day.
30	29·45	29·47	51·5	48·0	43·9	59·5	1·6	2·8	·339	·267	89	80	SE 3·5	SSE 3	10	0	·207	● a. and p.
Mean	29·671	29·663	48·0	44·9	40·3	54·7	2·7	1·5	·272	·266	81·6	89·4	2·2	1·8	8·3	4·7	2·086	

BABBACOMBE.—APRIL 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·75	29·71	49·1	44·2	37·5	56·2	3·3	1·6	·269	·254	78	88	NNW 3	WSW 3	6	1	—	◺ in past n. Squally.
2	·73	·68	48·0	47·9	41·5	54·9	4·1	1·9	·241	·287	72	87	NNW 4	NW 4	8	6	—	Gloomy 5.40p.—7p. Squally.
3	29·58	·25	48·4	46·8	44·3	50·9	3·1	1·0	·266	·296	79	93	WNW 3	W 3	10	10	·150	Dull, with ● showers. Squally. ≋⁹
4	28·93	·00	41·8	40·3	39·4	52·0	0·4	0·7	·256	·235	97	95	W 3	WNW 2	10	4	·160	● showers. [(mist).
5	29·08	·11	44·9	41·0	38·9	51·8	1·8	0·5	·257	·246	87	96	NNW 2	N 1	8	8	·110	◺ ≋⁹ (mist) ● showers. ●² ▲⁰ [2p.
6	·20	·10	47·5	41·4	35·0	52·3	2·8	0·7	·263	·245	81	95	ENE 2	SE 1	2	8	—	≋⁹ (mist) till 3p. ◺ p.
7	·00	29·08	42·8	43·3	41·1	47·3	1·1	1·4	·251	·249	92	89	ENE 5	NE 3	10	9	·100	≋⁹ (mist) till 7p. Dull a. ● p.
8	·01	28·93	44·6	43·8	38·0	50·5	2·3	1·0	·243	·263	82	92	N 1	NNE 1	9	10	—	≋⁹ (mist). ⊕ 9a. and 2p. ◺ p.
9	·03	29·14	47·0	41·0	40·8	55·5	2·2	1·5	·270	·225	85	88	NNW 2	W 1	9	3	—	◺ n. and p. ≋⁹ (mist). ☋ 9p.
10	·18	·17	44·7	43·0	33·3	49·6	1·8	1·0	·255	·255	86	92	NE 1	SSE 1	2	4	·060	[◺ n. ≋⁹ (mist). ●² 1p. ◺ p.
11	·16	·20	43·3	42·1	39·3	49·1	1·1	1·3	·256	·239	92	90	NE 1	NE 1	9	9	·040	◺² n. ≋⁹ (mist) a. ◺⁰ p.
12	·26	·35	43·3	42·8	39·5	54·5	0·9	0·8	·260	·257	93	94	ENE 1	NW 1	10	10	·290	≋⁹ (mist) ● showers. ◥⁰ 4p.
13	·41	·46	42·8	42·8	41·4	45·8	1·5	2·9	·242	·215	88	78	ENE 3	NE 2	10	10	—	Dull day. ≋⁹ (mist) p. [● ² 8p.
14	·47	·56	42·8	42·0	38·7	45·0	3·1	1·6	·212	·232	77	88	N 3	NE 3	10	10	—	Dull and gloomy.
15	·63	·63	40·9	42·9	39·5	46·9	2·8	3·0	·200	·214	79	78	NE 3	NNE 2	10	3	—	Dull a. ◺ ≋⁹ (mist) p.
16	·70	·67	47·3	44·8	39·9	53·7	5·5	2·6	·209	·239	65	80	NE 2	N 3	4	9	—	⊕⁰ 9a. ≋⁹ (mist) p.
17	·69	·74	47·8	48·7	40·5	56·6	3·0	1·8	·262	·299	79	87	N 2	NW 2	10	10	—	≋⁹ (mist).
18	·83	·87	56·9	50·8	46·3	63·6	4·0	2·0	·351	·319	75	86	NNE 1	WNW 1	2	0	—	≋⁹ (mist) a. ◺ ≋² (mist) p.
19	·95	·91	54·1	45·8	41·0	59·6	4·3	1·0	·306	·285	73	93	WSW 2	SW 2	4	2	—	◺² n. and p. Fine day. ≋⁹ (mist) p.
20	·78	·70	50·4	47·7	44·6	57·3	3·4	1·4	·281	·297	78	90	W 4	WSW 5	9	5	·010	[midday.
21	·46	·47	50·9	43·6	43·2	52·5	2·1	2·5	·318	·250	86	81	SW 6	WSW 3	9	1	·030	● showers till 6p. Squally ⸝ (gale)
22	·52	·60	49·0	41·8	40·7	56·9	4·0	2·2	·254	·219	73	83	WSW 2	W 2	7	0	·040	● showers 9a.—1p. ●² ▲² noon.
23	·44	·30	48·7	45·6	38·3	54·8	3·5	1·8	·261	·264	76	87	SW 6	W 5	9	6	·180	Squally ⸝ (gale) a. ● a. and p.
24	·24	·38	48·6	43·7	40·4	53·5	4·8	2·0	·234	·240	68	84	NNW 5	WNW 2	7	2	·030	● showers a. ◺⁰ ≋⁹ (mist) p.
25	·53	·69	48·0	44·6	41·5	54·8	3·9	2·4	·245	·241	74	82	N 4	NW 3	8	1	—	◺⁰ n. and p.
26	·70	·63	47·2	47·7	36·2	51·8	1·8	0·8	·281	·311	88	94	S 2	W 3	10	9	·070	Dull day. Scotch ≋⁹ p.
27	·69	·60	53·4	44·1	38·3	56·2	5·4	1·0	·273	·266	67	92	WSW 2	SW 3	5	1	—	◺² n. and p. ⊕ 9a.—3p.
28	·38	·46	48·8	41·9	41·7	54·6	1·7	1·9	·303	·226	88	87	S 5	WSW 2	9	1	·100	● a. and p.
29	·47	·37	50·7	46·8	37·4	55·0	3·5	1·9	·284	·275	77	86	S 5	ESE 5	5	8	—	⊕ 4p.
30	29·13	29·12	48·1	45·7	45·6	53·3	0·8	0·5	·316	·295	94	96	SE 3	S 4	10	10	·190	● showers a. and p. ●² ▲ p.
Mean	29·430	29·430	47·4	44·3	40·1	53·2	2·8	1·6	·264	·257	81·0	88·4	2·9	2·5	7·7	5·7	1·560	

LONDONDERRY.—APRIL 1889.

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

1	29·93	29·95	47·7	43·4	42·9	50·4	4·3	3·0	·235	·219	71	77	NW 2	NW 2	4	0	·020	Fine all day.
2	30·00	·90	42·7	46·7	42·0	47·7	2·0	1·5	·231	·284	84	89	NW 2	NW 2	10	10	·190	● at times during day.
3	29·56	·06	42·7	40·7	40·0	52·0	2·0	1·0	·231	·233	84	92	SW 2	NW 1	10	10	·630	● ² showers during day.
4	·16	·46	38·7	41·7	37·0	44·5	1·0	2·5	·215	·213	92	81	NW 2	NE 2	10	10	—	
5	·49	·49	42·2	42·2	40·0	44·5	1·8	1·8	·231	·231	86	86	NE 2	NE 2	10	10	—	
6	·51	·39	41·7	42·2	37·0	49·5	3·5	1·7	·195	·233	75	87	SE 2	SE 2	10	10	·010	
7	·47	·49	42·4	41·1	36·0	46·7	2·3	1·4	·223	·228	83	89	NE 1	NE 1	10	10	·050	
8	·35	·33	41·2	40·2	38·0	46·3	1·2	2·0	·233	·209	91	84	SE 2	SE 2	10	10	·390	● showers all day.
9	·39	·43	40·2	40·7	36·5	43·9	2·0	1·9	·209	·214	84	85	SE 2	E 2	10	10	·030	
10	·50	·58	41·7	40·7	37·1	42·7	1·5	2·0	·232	·213	88	84	E 2	NE 2	10	10	·010	
11	·60	·58	43·7	42·8	35·0	50·4	3·7	3·0	·208	·213	73	78	NE 2	NE 1	8	10	·120	
12	·64	·81	41·2	42·7	39·1	53·0	1·0	1·9	·237	·233	92	85	E 2	NE 2	10	10	·010	
13	·88	·89	47·0	42·2	37·9	52·0	4·7	2·5	·220	·218	69	82	SE 2	NE 2	2	10	—	Fine day.
14	·92	29·95	42·7	41·2	37·2	51·1	4·5	1·8	·187	·221	68	86	SE 2	NNW 1	10	0	—	Fine day.
15	29·98	30·01	46·2	40·7	38·5	50·5	3·5	1·5	·236	·222	76	88	NW 2	N 1	10	2	—	Fine and clear.
16	30·03	29·99	45·7	46·3	39·0	52·0	1·7	2·8	·268	·251	88	81	NW 2	NW 2	10	10	—	
17	29·99	30·01	49·2	46·8	44·5	56·0	4·3	3·6	·251	·239	71	75	NW 2	NW 2	10	10	—	
18	·99	29·93	48·7	49·2	44·0	55·7	3·5	5·0	·261	·237	76	67	SW 2	SW 2	10	10	—	
19	·90	·82	52·5	49·2	46·3	55·0	2·3	1·5	·334	·312	84	90	SW 2	SW 2	10	10	·220	● in evening.
20	·70	·43	50·2	45·2	43·0	54·3	1·5	2·0	·325	·255	90	85	SW 2	SW 2	10	10	·140	● in evening.
21	·28	·40	45·0	43·7	38·6	51·3	2·3	1·7	·247	·247	83	86	SW 2	SW 3	9	10	·300	● showers all day.
22	·69	·58	45·7	44·7	40·7	53·0	4·7	3·0	·209	·230	69	78	SW 2	W 2	4	10	·170	
23	·30	·33	46·7	42·9	39·1	49·4	5·0	1·7	·212	·239	67	87	NE 2	NW 2	9	1	·300	● showers during day.
24	·59	·85	49·6	44·2	42·0	53·7	4·4	1·8	·253	·250	71	86	NE 2	N 2	9	0	—	Fine day.
25	·94	·88	52·7	46·2	40·0	62·5	0·9	3·5	·373	·236	94	76	SE 2	NE 2	0	0	—	Fine day.
26	·65	·67	47·2	42·7	41·9	49·9	3·2	1·9	·251	·233	78	85	SE 2	SE 1	10	0	·060	
27	·76	·62	50·4	45·2	39·0	50·0	6·7	3·2	·218	·231	60	77	SW 2	SW 2	2	0	·010	Fine day.
28	·43	·42	48·4	39·7	37·7	48·9	2·4	2·0	·281	·205	83	84	SE 2	SE 1	10	1	·150	● noon—5p.
29	·51	·61	46·4	43·4	37·5	54·2	5·0	1·6	·210	·247	67	87	SE 3	SW 1	4	5	·080	▲² showers during day.
30	29·55	29·42	52·7	45·8	42·9	57·6	6·0	1·0	·254	·285	65	93	SE 2	NE 2	4	10	·150	● ² showers during day.
Mean	29·656	29·642	45·8	43·5	39·7	51·3	3·1	2·2	·242	·236	78·7	83·7	2·0	1·8	8·2	7·0	2·940	

Armagh.—April 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind. Direction and Force. 9 a.m.	Wind. Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·81	29·81	48·0	43·0	39·9	51·6	4·2	2·7	·239	·221	72	80	W 3	NW 2	10	10	—	
2	·85	29·76	43·0	46·6	39·7	48·4	2·1	2·5	·232	·260	83	83	NNW 2	WNW 2	10	10	·010	
3	29·48	28·94	46·6	43·8	40·6	52·5	1·3	2·3	·287	·237	91	82	SSW 1	SSW 3	10	10	·385	
4	28·98	29·27	38·4	41·0	37·2	44·5	0·4	1·6	·224	·223	97	87	NNW 2	NNE 2	10	10	·080	Overcast all day.
5	29·31	·34	43·0	41·1	37·7	44·3	2·2	1·5	·230	·226	83	88	NNE 2	ENE 1	10	10	—	Overcast all day.
6	·35	·25	40·4	41·6	37·0	42·9	2·6	1·0	·199	·242	80	93	ENE 1	E 1	10	10	·160	Overcast all day.
7	·31	·32	43·0	40·0	37·0	44·5	3·2	1·8	·211	·211	77	86	ENE 2	ENE 2	7	10	·165	
8	·19	·16	39·8	38·7	35·1	42·7	1·0	0·9	·225	·218	92	93	ENE 2	ESE 2	10	10	·850	
9	·23	·27	39·5	39·7	36·2	41·3	1·0	0·8	·222	·228	92	93	ENE 2	E 1	10	10	·360	● all day.
10	·33	·41	39·8	40·8	37·3	42·8	0·0	0·5	·245	·244	100	96	ENE 1	NE 1	10	10	—	
11	·42	·41	42·6	40·1	38·2	46·2	1·8	0·7	·235	·233	87	94	N 2	NNE 1	10	10	·150	Overcast all day.
12	·48	·65	40·5	42·5	38·6	47·3	0·4	2·4	·243	·222	97	82	ENE 2	ENE 2	10	10	·020	
13	·71	·72	44·1	40·5	38·4	49·7	4·1	2·2	·204	·208	70	82	NE 2	NE 1	8	10	—	
14	·76	·80	43·8	36·9	35·0	49·0	5·7	1·3	·176	·194	61	89	NNE 2	NNE 0·5	2	0	—	
15	·82	·87	45·1	38·0	32·8	51·8	3·6	1·1	·223	·266	74	90	NNE 1	N 0·5	10	0	—	
16	·88	·85	46·4	43·6	32·7	52·3	3·1	1·8	·246	·245	79	86	N 1	NNW 1	10	7	—	
17	·85	·89	52·1	43·3	39·5	59·8	4·4	2·1	·280	·235	72	84	W 1	WNW 1	10	0	—	
18	·89	·84	45·8	48·3	38·7	52·8	3·0	4·0	·243	·247	80	73	SW 2	SW 2	10	10	—	
19	·82	·72	52·2	49·7	46·0	57·1	4·9	4·1	·270	·261	70	73	SW 3	SSW 2	5	10	·045	
20	·64	·38	49·5	49·6	42·7	56·5	4·1	3·8	·258	·266	72	75	SW 3	SSW 4	10	1	·080	
21	·19	·31	46·8	42·8	41·6	52·7	4·0	2·2	·231	·229	73	83	SW 3	SW 2	2	2	·065	
22	·55	·50	48·9	43·2	37·2	52·5	5·1	2·2	·233	·232	67	83	NNW 2	SW 1	9	10	·190	
23	·21	·18	39·6	40·1	38·4	51·3	1·0	1·1	·223	·225	92	91	W 3	NNW 1	10	10	·150	
24	·40	·64	46·0	42·6	37·8	53·5	2·2	1·8	·263	·235	85	87	NNW 2	N 2	10	10	—	
25	·79	·76	47·7	44·1	40·2	53·5	5·1	3·2	·219	·221	67	75	NNE 2	SSE 2	7	8	—	
26	·55	·58	47·0	42·6	41·3	52·8	2·8	1·8	·257	·235	80	87	SSE 4	SW 1	10	9	·018	
27	·66	·51	47·1	44·9	39·0	53·4	6·5	3·3	·190	·227	59	76	SSW 2	SSE 3	3	10	·010	
28	·31	·32	45·8	38·7	38·2	47·5	1·0	1·8	·286	·200	93	86	SE 4	SSW 2	10	2	·187	
29	·40	·46	46·6	43·9	35·0	51·1	6·6	1·4	·185	·256	58	89	S 3	SE 4	8	7	·023	
30	29·39	29·26	49·2	45·6	43·0	52·6	5·4	1·4	·229	·274	65	90	E 3	NE 2	10	10	·220	
Mean	29·519	29·506	44·9	42·6	38·4	50·0	3·1	2·0	·234	·232	78·9	85·2	2·2	1·7	8·7	7·9	3·168	

Markree Castle, Sligo.—April 1889.

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

1	29·96	29·96	47·3	46·6	44·8	51·8	3·9	4·1	·238	·228	73	72	NW 4	NW 4	9	8	·020	
2	·98	29·89	46·0	47·7	44·9	50·6	0·8	1·8	·292	·288	94	87	NW 2	WNW 3	10	10	·060	Overcast all day.
3	·48	28·99	47·9	41·3	40·8	54·9	0·9	0·8	·310	·243	94	94	SW 2	W 2	10	10	·480	
4	·11	29·40	45·4	41·1	39·2	47·5	4·6	2·7	·208	·203	69	79	NNW 3	N 2	9	9	—	●² *n.*
5	·40	·41	43·0	42·8	39·3	49·0	3·2	1·5	·211	·243	77	88	N 1	NNE 0·5	10	10	—	Overcast all day.
6	·40	·25	43·0	42·3	38·0	46·2	2·2	1·7	·230	·234	83	87	SSE 0·5	ESE 3	10	10	—	Overcast all day.
7	·38	·38	43·3	42·2	37·8	45·5	3·0	1·8	·218	·231	78	87	NNE 1	E 1	10	10	·010	Overcast all day.
8	·25	·20	40·1	41·0	36·5	45·9	1·4	0·9	·219	·237	89	93	E 1	E 2	10	10	·110	
9	·27	·33	38·2	40·2	36·2	42·9	1·0	1·1	·210	·226	92	91	E 2	E 1	10	10	·100	
10	·41	·50	39·0	40·5	36·9	42·3	0·9	1·3	·220	·224	93	90	NNE 1	NNE 2	10	10	·020	Overcast all day.
11	·53	·53	45·4	37·1	36·1	49·8	4·9	1·0	·203	·201	67	91	NNW 2	N 0·5	7	7	·060	
12	·53	·70	43·0	40·3	33·5	48·9	1·5	0·9	·245	·231	88	93	NE 0·5	Calm 0	10	10	—	
13	·79	·81	45·0	41·0	38·8	53·1	3·5	3·2	·224	·194	75	76	ENE 1	NNE 1	9	8	—	
14	·85	·89	42·4	43·1	38·2	50·7	5·1	2·7	·176	·222	65	79	NNE 2	N 0·5	8	10	·010	
15	·92	·96	46·3	41·7	39·7	49·2	5·2	2·4	·206	·215	66	82	N 1	NNW 0·5	10	5	—	
16	·98	·94	46·4	46·3	34·9	49·9	3·1	2·8	·246	·252	79	81	NNE 1	NW 2	10	10	—	Overcast all day.
17	·95	·96	48·9	47·3	44·0	52·0	3·9	2·9	·256	·259	74	80	NW 1	SW 0·5	10	10	—	Overcast all day.
18	·94	·89	48·2	47·6	44·2	53·6	3·0	1·3	·265	·298	79	91	S 1	SSW 2	10	10	—	Overcast all day.
19	·85	·75	54·6	49·1	45·8	56·6	5·3	3·0	·290	·277	69	79	SSW 3	S 2	9	10	·110	
20	·68	·40	50·8	47·1	42·5	55·3	3·5	2·7	·285	·261	77	81	SSW 1	SW 2	10	10	·180	
21	·27	·41	44·4	43·0	39·1	51·3	3·1	1·6	·226	·242	77	87	WSW 1	W 1	9	10	·310	▲ in afternoon.
22	·65	·54	46·6	44·2	40·3	51·9	4·2	2·8	·226	·230	72	79	WNW 1	SSW 2	9	10	·120	▲ in afternoon.
23	·30	·31	45·2	41·4	40·1	51·0	3·7	2·0	·223	·220	74	85	SW 2	N 1	5	4	·380	● storms during day.
24	·55	·81	47·1	45·1	39·3	51·4	3·6	3·7	·242	·221	75	73	NNW 3	NNW 4	10	7	—	Cold wind during day.
25	·89	·79	49·1	47·1	39·2	53·2	5·1	2·4	·234	·267	67	83	NNE 1	SSE 0·5	7	10	·110	
26	·54	·62	45·6	42·3	40·3	50·2	0·6	1·9	·292	·230	96	86	SE 3	S 1	10	10	·080	
27	·69	·48	48·6	46·2	38·2	53·5	5·9	3·2	·215	·242	63	78	S 2	SE 4	8	10	·550	
28	·35	·35	39·7	38·3	36·9	46·2	0·9	0·9	·226	·213	92	93	NNW 1	SSE 1	10	5	·310	▲² shower in evening.
29	·41	·46	46·1	43·9	34·7	52·2	3·7	1·6	·232	·252	75	87	SSE 2	SE 1	7	9	·260	
30	29·38	29·32	52·4	46·1	43·2	55·0	4·4	1·7	·283	·273	72	88	ESE 4	ENE 3	7	10	·030	
Mean	29·589	29·574	45·6	43·5	39·3	50·4	3·2	2·1	·238	·239	78·1	84·7	1·7	1·7	9·1	9·1	3·310	

Dublin (Phœnix Park).—April 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	ins.	ins.	%	%					ins.	
1	29·91	29·89	46·7	44·4	41·1	53·8	3·5	3·7	·240	·215	76	73	W 2	W 1	9	4	—	Cloudy *a.* Bright and squally *p.*
2	·92	·85	47·2	47·1	41·3	50·2	4·3	3·4	·229	·246	71	76	WNW 2	WNW 2	9	4	·005	Dull and cloudy. ●⁰ showers *p.*
3	·58	·10	48·6	44·4	39·7	52·0	2·1	3·2	·292	·224	86	76	SW 1	SW 2	9	4	·160	Dull and cloudy, with ●⁰ showers.
4	·00	·26	40·1	41·8	37·0	44·7	1·4	1·1	·219	·242	89	92	NW 2	N 2	10	10	·100	Dull, with ●⁰ showers.
5	·33	·36	40·2	41·2	38·2	44·8	0·7	0·7	·235	·244	94	95	NNW 1	Calm 0	10	10	·005	Dull, with ●⁰ *a.* Cloudy *p.*
6	·38	·25	41·3	41·1	38·1	44·8	1·5	1·2	·229	·232	88	90	NE 1	Calm 0	10	4	·010	Dull, with ●⁰ *a.* Cloudy *p.*
7	·32	·34	42·0	40·3	40·0	44·9	3·0	0·5	·214	·240	78	96	NE 2	NE 1	7	10	·240	Dull and cloudy, with ●⁰ showers.
8	·21	·14	40·9	40·4	37·9	43·9	1·1	0·5	·233	·241	91	96	ENE 1	Calm 0	10	10	·155	Dull day. ●⁰ *a.* and *p.*
9	·22	·28	41·0	40·2	40·1	42·1	0·8	0·3	·239	·243	94	97	E 1	Calm 0	10	10	·090	Dull day. ●⁰ *a.* and *p.*
10	·34	·40	43·2	42·3	39·2	46·6	0·7	0·7	·264	·255	94	95	Calm 0	NE 1	8	10	·060	Cloudy, with ●⁰ *a.* Dull *p.*
11	·42	·43	40·5	39·3	38·4	42·6	0·8	0·8	·235	·225	94	94	NNW 2	NNW 1	10	10	·375	Dull, with ●⁰ throughout.
12	·48	·62	43·8	44·5	37·7	49·8	0·4	1·6	·276	·256	97	88	Calm 0	NE 1	10	10	·050	●⁰ *a.* Dull and cloudy.
13	·73	·74	41·2	41·2	39·6	46·4	1·6	2·2	·225	·213	88	83	NE 1	Calm 0	10	10	—	
14	·78	·84	40·9	34·4	34·3	45·9	4·4	1·5	·174	·169	68	85	NNE 2	Calm 0	9	1	—	Cloudy *a.* Bright *p.*
15	·86	·90	44·6	39·9	27·8	49·0	2·4	0·5	·241	·236	82	96	WNW 1	Calm 0	8	2	—	
16	·92	·90	45·9	45·8	32·4	50·2	3·1	3·0	·242	·243	79	80	NW 1	Calm 0	9	8	—	
17	·90	·94	49·0	45·9	41·1	59·4	3·2	1·6	·272	·273	78	89	WNW 1	Calm 0	9	2	—	Dull *a.* Bright *p.*
18	·97	·03	49·7	44·3	33·9	58·7	3·1	1·6	·281	·256	79	88	Calm 0	Calm 0	2	4	—	Beautiful day.
19	·94	·86	50·3	49·0	43·9	56·6	3·8	3·3	·273	·270	75	77	SW 2	SSW 3	9	10	·005	Cloudy day.
20	·75	·54	51·6	49·4	43·4	58·5	5·0	2·9	·263	·283	70	81	WSW 2	SSW 2	7	4	·180	●⁰ *a.* Cloudy and squally *n.*
21	·34	·40	48·2	41·3	41·3	51·8	5·3	1·8	·221	·223	66	86	SW 2	WSW 1	2	1	·040	Cloudy, with ●⁰ showers. ▲² *p.*
22	·61	·61	45·3	43·1	37·2	53·6	2·8	1·7	·241	·241	80	86	WNW 1	Calm 0	9	4	·105	Cloudy, with ●⁰ showers. ⌒
23	·32	·23	46·8	42·7	39·8	52·9	4·2	1·8	·227	·236	72	86	W 2	W 2	2	10	·220	Cloudy, with ●² showers.
24	·44	·68	46·2	43·1	38·4	53·6	2·8	2·3	·250	·229	81	82	NW 1	WNW 1	8	1	·010	Cloudy, with ●⁰ showers. ▲⁰ *p.*
25	·83	·84	45·3	39·7	38·7	51·9	2·8	1·1	·241	·222	80	91	NNE 1	Calm 0	10	2	·030	Dull *a.* Cloudy *p.*
26	·65	·68	46·3	41·8	34·6	52·0	2·0	1·9	·268	·227	86	86	SSE 1	Calm 0	10	1	·210	Dull, with ●⁰ *a.* Cloudy, with ●² *p.*
27	·74	·61	48·5	45·1	38·9	53·8	5·9	3·0	·214	·234	62	78	SW 1	SSE 1	2	4	·020	
28	·35	·41	46·0	41·7	40·6	48·8	0·9	2·2	·289	·219	94	84	ESE 2	SSW 1	10	2	·020	Cloudy, with ●⁰ showers.
29	·47	·50	49·6	45·9	36·0	52·0	4·6	1·2	·249	·283	70	93	SE 2	SE 1	6	10	·050	Cloudy, with ●⁰ showers.
30	29·36	29·26	48·1	44·0	43·6	51·0	3·4	0·4	·256	·279	76	97	ENE 2	Calm 0	10	10	·215	Dull and cloudy, with ●⁰ showers.
Mean	29·569	29·559	45·3	42·8	38·5	50·2	2·7	1·7	·244	·240	81·3	87·2	1·3	0·8	8·1	6·1	2·355	

Parsonstown (Birr Castle).—April 1889.

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

1	29·97	29·94	46·9	45·0	41·7	56·2	3·6	2·2	·240	·249	76	84	NW 2	WNW 3	10	1	·022	∞ *a.* Day bright and squally.
2	·97	·91	46·7	46·1	40·8	51·7	0·7	2·0	·302	·266	95	86	NW 2	NW 2	10	10	·049	●⁰ 7*a.* Day dull and cold.
3	·56	·10	47·8	42·5	41·4	53·7	1·2	1·1	·303	·248	91	91	SW 1	WNW 3	10	10	·292	●⁰ 9*a.* Day dull and squally.
4	·69	·30	44·6	42·9	39·8	50·7	2·8	2·0	·234	·234	80	85	NW 3	NNW 3	9	10	—	Cold and squally.
5	·35	·35	40·9	41·9	39·7	45·8	2·0	1·0	·215	·246	85	93	N 1	Calm 0	10	10	—	Cold, with ∞.
6	·36	·20	42·5	42·1	35·4	47·8	2·6	1·8	·218	·230	80	86	Calm 0	E 2	10	9	—	Dull, with ≋⁰ (mist) *a.*
7	·30	·33	44·9	39·9	36·0	45·9	3·9	1·0	·215	·226	72	92	ENE 1	Calm 0	3	10	·089	∞ *a.* Dull, with ● *p.*
8	·19	·15	39·9	38·5	36·8	47·1	1·0	0·9	·226	·215	92	92	Calm 0	Calm 0	10	10	—	Dull, with ≋⁰ (mist) *a.* ∞ *p.*
9	·21	·25	38·7	42·0	29·5	51·2	1·2	1·1	·212	·243	91	91	Calm 0	NE 1	9	10	—	Bright day, with ∞.
10	·31	·40	43·9	42·1	38·8	49·6	2·1	1·4	·242	·238	84	89	Calm 0	Calm 0	10	10	·069	∞ *a.* and *p.*
11	·45	·46	42·1	39·1	38·4	49·7	3·2	1·5	·204	·209	76	88	N 2	NW 2	8	8	·042	∞ *a.* Bright, cold, and gusty.
12	·46	·60	39·9	42·7	35·5	50·8	0·6	1·0	·234	·252	95	92	Calm 0	NE 1	10	10	—	∞ *a.* ▲ T 4*p.*–6*p.*
13	·69	·73	43·3	42·8	39·8	46·6	2·6	2·6	·225	·221	80	80	NE 1	Calm 0	9	10	—	∞ *a.* Fair and cool.
14	·76	·82	43·4	39·6	37·9	49·6	5·4	2·5	·177	·195	63	80	NNE 2	Calm 0	9	0	—	Fine, but with cold wind.
15	·87	·01	43·7	42·9	29·0	50·1	1·9	2·8	·244	·218	85	80	Calm 0	NNW 2	10	9	—	∞ *a.* Dull and cool.
16	·93	·90	44·7	43·7	31·6	49·8	2·9	2·2	·233	·238	79	83	Calm 0	NNW 2	10	9	—	Dull and cool.
17	·92	·03	47·7	43·6	42·6	57·4	3·8	1·5	·245	·250	74	88	NW 1	WSW 1	9	9	—	Very fine and bright.
18	·96	·02	46·0	48·8	37·8	55·3	2·9	2·2	·246	·292	80	84	Calm 0	S 1	10	10	—	Bright and milder. ≋⁰ (mist).
19	·91	·79	51·3	48·6	46·4	54·9	4·2	2·1	·275	·292	73	86	SW 2	SSW 2	10	10	—	≋⁰ (mist) *a.* and *p.* Day fine and
20	·74	·49	50·2	49·8	43·6	58·3	3·3	2·5	·282	·295	78	83	SW 3	SSW 3	10	10	·109	Windy and gusty. [mild.
21	·32	·41	42·1	41·8	39·6	51·6	1·1	1·0	·244	·245	91	92	SW 1	WSW 2	3	4	·083	Squally, with ● ▲.
22	·63	·59	46·9	42·7	39·5	55·5	3·0	2·2	·253	·228	80	84	NW 2	SW 1	9	4	·060	Fine and bright. ≋⁰ (mist).
23	·35	·29	48·2	44·6	39·7	51·4	4·3	0·8	·240	·276	71	94	WSW 3	W 4	7	10	·140	Cold and squally, with ● ▲.
24	·49	·74	48·2	43·3	36·1	52·6	3·2	2·4	·261	·229	78	81	NW 3	NNW 4	9	1	—	Cold and squally.
25	·84	·78	47·9	47·0	36·7	54·3	3·1	2·3	·262	·268	80	84	NNW 1	Calm 0	7	10	·049	Bright and mild.
26	·56	·66	47·1	40·9	40·8	53·7	1·4	1·6	·290	·222	90	87	SSE 1	Calm 0	10	0	—	Dull *a.* Fine and bright *p.*
27	·70	·50	47·9	46·4	36·1	54·7	5·8	2·4	·209	·260	63	83	Calm 0	SSE 4	6	10	·645	⌊⌋⁰ *a.* Bright *a.* and *p.* [showers. T.
28	·35	·38	38·7	40·0	34·0	46·9	0·8	1·0	·220	·226	94	92	W 1	WSW 2	10	6	·095	●² ✳ *n.* Dull *a.* Cold, with ●² ▲²
29	·40	·40	48·6	45·8	33·5	54·3	4·5	1·1	·240	·284	70	93	SE 2	ESE 3	7	10	·141	⌊⌋ *a.* ● showers all day. ▲ *sp.*
30	29·26	29·21	52·8	44·1	43·4	53·0	4·5	0·9	·291	·269	73	93	ESE 3	Calm 0	6	10	·125	●² showers.
Mean	29·564	29·547	45·3	43·4	38·0	51·7	2·8	1·7	·243	·245	80·6	87·2	1·3	1·6	8·7	8·0	2·010	

SWANBISTER.—MAY 1889.

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. Gravity Correction + ·036.

Day.	Barometer at 32° Faht.		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	29·58	29·70	45·1	45·2	43·7	48·1	1·1	1·2	·274	·273	91	91	E by S 7	SEbyE 6	10	10	·180	
2	·67	·64	44·0	43·8	42·8	47·9	0·6	0·8	·274	·267	95	94	E 1	SEbyS 1	10	10	·110	Fog on hills *9p.*
3	·76	·77	43·0	44·9	41·7	45·1	0·6	1·0	·264	·274	95	92	SE 5	SE 5	10	10	·010	Overcast all day. Fog on hills. Haze over sea.
4	·83	·96	49·0	46·0	44·9	51·1	1·5	1·0	·310	·287	90	93	SE 3	SE 4	3	8	—	Haze and fog on hills.
5	·97	·92	48·7	46·0	45·0	50·1	2·0	1·0	·294	·287	86	93	ESE 4	ESE 1	10	10	—	∞
6	·92	·92	50·7	45·9	44·7	52·1	1·8	0·9	·324	·288	87	94	SE 1	SE 1	2	2	—	
7	·83	·75	51·0	45·7	44·8	51·6	2·0	0·5	·323	·296	86	96	SE 4	SE 2	0	10	—	⌓² *a.* Fog on hills *9p.*
8	·69	·66	46·2	46·2	44·7	47·1	0·0	0·1	·343	·311	100	99	SE 3	SE 3	10	10	—	≋ all day.
9	·76	·84	48·0	47·3	43·6	52·9	1·0	1·2	·309	·297	93	92	S 1	SE 3	10	8	—	
10	·83	·88	51·0	48·0	43·7	52·3	2·1	2·4	·321	·276	85	83	ESE 3	ESE 4	4	1	—	
11	·91	29·97	54·6	49·2	46·1	56·7	3·3	2·3	·336	·294	79	84	ESE 4	ENE 3	2	1	—	
12	29·99	30·02	56·0	46·7	45·8	58·4	5·3	1·8	·310	·277	60	87	NE 3	NE 4	0	4	—	Peculiar fog lump over hills.
13	30·01	29·93	47·8	45·0	43·7	50·5	3·4	3·0	·253	·233	76	78	NNE 4	N 1	9	8	·020	Overcast all day.
14	29·77	·80	49·8	47·3	43·0	51·9	2·7	0·3	·290	·319	82	98	ESE 2	ESE 2	4	9	·010	
15	·81	29·82	48·0	47·0	44·8	49·1	0·4	0·4	·325	·313	97	97	E 3	SSE 3	10	10	—	≋ before *9a.*
16	29·93	30·00	49·3	45·5	44·2	51·3	1·1	0·6	·323	·291	92	96	SSE 1	ESE 2	10	10	—	Overcast all day.
17	30·03	30·02	47·7	49·8	44·4	55·1	0·1	1·8	·329	·312	99	87	ESE 1	NE 1	10	8	—	≋ till *9.15a.*
18	29·87	29·82	50·0	46·0	45·8	52·0	2·0	0·0	·309	·311	86	100	E by S 3	SE 1	10	10	·010	
19	·85	·90	46·0	46·8	46·0	50·2	0·0	0·1	·311	·319	100	99	ESE 1	NE 1	10	10	—	≋ all day.
20	·96	·99	49·0	49·8	45·4	53·6	0·2	1·4	·343	·322	99	90	E 1	E 1	10	10	—	Fog seaward.
21	·98	·91	58·0	53·0	44·1	62·1	2·8	1·5	·399	·361	82	90	SE 1	ENE 1	8	10	·030	⚲ ● ²
22	·81	·72	59·9	52·8	46·2	63·3	3·5	1·9	·407	·348	79	86	ESE 1	NW 3	6	10	·010	
23	·69	·67	51·5	50·0	48·2	56·7	2·5	2·0	·317	·309	83	86	W 3	ESE 2	10	10	—	
24	·47	·44	53·0	51·1	47·7	59·6	1·3	2·1	·366	·322	91	85	ESE 1	WNW 3	10	10	·110	Fog on hills.
25	·41	·59	51·8	45·0	45·0	56·9	4·9	3·0	·266	·233	70	78	SW 3	NW 1	3	5	—	Peculiar bank of cloud sinking in E. *9a.*
26	·66	·80	50·7	46·9	39·0	52·1	3·5	2·1	·284	·272	77	86	ESE 2	SE 2	3	1	—	
27	·77	·67	51·2	47·0	45·0	53·1	3·4	1·0	·292	·298	78	93	SE 2	SE 3	2	3	·010	
28	·54	·36	50·0	50·0	47·0	53·9	1·0	1·0	·334	·334	93	93	ESE 3	SSE 5	7	4	·020	Fog on hills.
29	·43	·46	51·0	49·7	48·2	53·1	0·7	0·7	·356	·338	95	95	ESE 3	SE 3	10	10	·050	
30	·46	·55	49·8	46·8	46·3	56·1	0·6	1·0	·342	·296	95	93	SE 2	SW 1	10	3	·010	Occasional ⚳.
31	29·49	29·45	50·5	49·8	43·1	55·3	1·0	1·4	·342	·322	94	90	SE 4	WNW 1	10	7	·050	⚳ ● *6p.–8p.*
Mean	29·764	29·772	50·1	47·6	44·8	53·2	1·8	1·3	·317	·299	87·9	90·9	2·6	2·4	7·2	7·5	0·630	

DUNROBIN CASTLE.—MAY 1889.

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

1	29·60	29·75	45·2	46·4	40·7	50·0	1·2	2·1	·273	·267	91	85	E	SE	—	—	·030	Dull and blowy.
2	·72	·79	46·0	45·9	44·7	50·3	1·7	1·6	·272	·273	88	89	S	SE	—	—	—	Dull day.
3	·79	29·85	49·0	48·3	43·7	49·7	1·7	2·6	·305	·276	88	82	E	E	—	—	·070	Dull day.
4	·92	30·03	52·0	51·0	46·5	58·0	3·0	2·7	·310	·306	80	82	SE	SE	—	—	—	Dull day.
5	·98	29·97	48·0	46·2	45·7	56·0	2·3	0·9	·278	·292	84	94	E	E	—	—	—	Dull and cold.
6	·98	·95	47·0	53·0	46·2	59·2	1·0	2·0	·298	·347	93	86	SE	E	—	—	—	Dull, with ≋⁰ (mist).
7	·86	·80	53·0	48·3	45·7	57·6	4·0	2·0	·299	·289	74	86	E	E	—	—	—	Fine and warm *a.* Cold wind *p.*
8	·72	·72	49·3	52·0	46·2	54·0	1·3	0·7	·318	·369	91	95	S	SE	—	—	—	Dull, with ≋⁰ (mist) *a.* Fine *p.*
9	·81	·89	50·7	55·5	50·6	57·2	0·4	7·4	·360	·259	97	59	S	SE	—	—	—	Dull, but warmer *a.* Cold *p.*
10	·84	29·91	48·0	55·0	45·9	56·0	1·3	8·3	·302	·236	91	55	S	SE	—	—	—	Dull, with cold wind.
11	29·97	30·02	46·6	48·7	45·7	55·3	0·6	1·4	·303	·309	96	90	SE	SE	—	—	—	Fine, warm, and dry.
12	30·04	·10	51·0	48·0	46·2	60·2	2·3	2·5	·316	·274	84	83	E	E	—	—	—	Fine, but with cool wind.
13	30·09	30·00	49·7	50·7	44·2	53·0	3·4	4·4	·275	·264	77	72	SE	SE	—	—	—	Fine and dry.
14	29·84	29·86	50·3	46·7	44·2	51·0	4·0	3·0	·268	·251	74	80	SE	E	—	—	—	Fine day.
15	·84	29·89	48·0	49·3	46·7	56·0	2·3	3·3	·278	·273	84	77	SE	S	—	—	·170	Cold *a.* Windy *p.*
16	29·99	30·05	53·3	48·3	42·5	59·2	3·3	3·0	·318	·268	78	79	S	SE	—	—	—	Fine *a.* ∞ *p.*
17	30·09	30·07	48·3	47·7	46·4	58·4	1·3	1·2	·306	·302	91	92	SE	SE	—	—	—	Dull *a.* ≋⁰ (mist). Fine *p.*
18	29·91	29·90	56·3	57·3	46·9	64·2	2·6	2·3	·379	·401	83	85	E	NE	—	—	—	Dull *a.* Damp *p.*
19	·91	·96	54·0	54·7	45·5	62·4	3·3	1·7	·327	·379	78	89	SE	SE	—	—	—	Fine and clear.
20	·96	·99	54·0	54·7	49·6	62·4	3·3	1·7	·327	·379	78	89	S	SE	—	—	—	Fine and warm.
21	·96	·86	57·0	49·0	46·2	68·2	1·3	3·3	·425	·270	91	77	SE	NE	—	—	—	Fine and warm.
22	·79	·70	60·6	55·7	47·6	66·8	3·3	1·7	·424	·395	81	89	SW	NE	—	—	—	Dull *a.* Fine *p.*
23	·71	·68	55·3	54·0	51·1	55·7	5·0	2·7	·307	·342	70	82	S	NW	—	—	—	Fine and warm.
24	·47	·51	58·0	54·0	50·6	65·4	4·0	3·5	·367	·322	76	77	S	NW	—	—	—	Dull *a.* Fine *p.*
25	·49	·64	54·3	55·7	47·2	61·3	7·0	5·4	·252	·304	60	68	NW	NW	—	—	—	Fine and breezy.
26	·73	·74	53·0	49·3	45·7	57·9	3·5	2·3	·311	·294	77	84	SE	SE	—	—	—	Fine, clear, and breezy.
27	·77	·67	53·7	53·0	45·7	56·9	3·7	4·0	·314	·299	76	74	E	E	—	—	·320	Dull *a.* Cloudy *p.*
28	·51	·34	52·3	54·5	48·1	54·5	3·0	2·2	·315	·262	80	85	SE	SE	—	—	·150	Milder *a.* Dull *p.*
29	·47	·57	53·3	52·5	50·1	56·6	3·3	2·2	·318	·336	78	85	S	NE	—	—	·090	Fine and warm.
30	·48	·60	56·3	52·3	49·4	59·9	6·0	3·0	·298	·315	66	80	SE	E	—	—	—	Fine day.
31	29·53	29·59	54·3	52·7	48·1	58·6	4·3	2·2	·308	·339	73	86	SE	W	—	—	—	Cloudy day.
Mean	29·798	29·819	51·9	51·3	46·6	57·8	2·9	2·8	·315	·306	81·5	81·8	—	—	—	—	0·830	

BRAEMAR.—MAY 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction + ·027.

30/22.2.94.

Day.	Barometer at 32° Faht.		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	28·36	28·54	42·9	43·6	41·3	49·3	2·0	2·1	·234	·239	85	84	SW 2	SE 0·5	10	8	·020	Dull and damp.
2	·49	·58	43·6	43·8	39·6	52·0	2·7	2·1	·226	·241	79	84	SE 0·5	SE 0·5	6	8	—	Fine day.
3	·57	·65	44·4	42·8	42·7	50·8	1·9	2·3	·251	·227	86	83	SE 0·5	SW 4	9	8	·010	Dull day, with ● showers.
4	·70	·77	51·5	50·6	42·3	56·9	4·2	4·1	·278	·270	73	73	NE 2	SE 0·5	7	7	—	Fine day.
5	·77	·73	53·5	50·6	48·2	62·2	4·2	2·3	·300	·311	73	84	NE 1	NE 0·5	6	2	—	Fine day.
6	·77	·74	50·9	54·5	42·3	70·5	1·4	4·4	·338	·308	91	73	NE 0·5	SE 0·5	1	2	—	Fine day. ≋ *p.*
7	·64	·55	56·9	53·5	40·3	65·9	3·4	3·0	·365	·329	79	80	SE 2	S 1	3	7	—	Fine day.
8	·49	·55	51·5	47·7	44·5	60·8	1·2	2·2	·349	·279	91	85	E 0·5	SW 0·5	8	7	—	≋ *a.*
9	·55	·65	52·5	49·6	44·3	60·2	4·8	4·1	·276	·260	70	73	SW 1	NE 1	8	7	—	
10	·58	·65	47·3	45·9	45·1	58·5	1·0	1·1	·302	·285	93	93	NE 2	NE 2	10	8	—	≋ *a.* Dull and damp *p.*
11	·67	·73	52·8	49·9	45·1	63·0	3·3	2·2	·314	·304	78	86	E 2	E 1	6	7	—	Fine day.
12	·76	·79	54·3	52·8	47·3	66·5	3·4	3·8	·330	·301	78	75	E 0·5	NE 0·5	6	3	—	Fine day.
13	·77	·73	52·7	46·4	36·8	59·5	5·4	4·9	·266	·212	67	68	E 0·5	E 0·5	1	7	—	Fine day.
14	·65	·64	43·8	43·0	37·4	49·5	3·3	2·1	·217	·242	75	84	E 0·5	E 0·5	8	8	·480	
15	·65	·61	43·6	45·6	40·1	52·8	1·1	1·8	·259	·266	91	87	E 0·5	S 0·5	8	8	·100	Dull, with ● showers.
16	·80	·85	49·1	51·1	37·2	60·7	3·6	3·4	·265	·292	75	77	S 0·5	SW 0·5	8	7	—	Very fine. ⊕
17	·86	·84	55·7	53·5	42·3	65·5	7·2	5·0	·266	·283	60	69	SE 0·5	NE 0·5	7	8	—	Very fine.
18	·70	·71	48·0	51·8	44·5	62·2	1·3	2·3	·302	·326	91	85	SE 0·5	S 1	8	2	—	Very fine.
19	·73	·78	58·9	57·3	39·1	66·8	7·6	6·0	·295	·309	59	66	S 0·5	S 0·5	1	9	—	Very fine.
20	·85	·91	61·4	56·6	50·9	66·9	7·9	3·8	·319	·352	58	77	SW 0·5	SW 0·5	8	3	—	Very fine.
21	·88	·85	65·8	58·9	45·1	70·5	7·9	7·4	·381	·299	61	60	SW 1	SW 0·5	7	8	—	Very fine. ⚳ *4p.–5p.*
22	·74	·66	63·6	58·4	45·7	67·3	6·1	7·9	·394	·283	68	57	SW 1	SW 1	7	4	—	Very fine.
23	·61	·56	57·8	55·8	49·0	65·3	5·3	3·3	·332	·355	70	79	SW 1	SW 0·5	7	6	—	Very fine.
24	·38	·39	58·6	50·7	44·1	61·5	5·9	2·2	·329	·315	67	86	SW 2	SW 1	3	8	—	Very fine *a.* Dull *p.*
25	·35	·44	50·1	51·5	44·3	61·9	7·6	4·0	·199	·283	56	74	SW 2	NE 0·5	2	8	—	Very fine and clear.
26	·54	·53	55·9	48·0	37·3	60·2	6·4	2·5	·286	·274	63	83	NE 2	S 1	5	7	—	Very fine.
27	·56	·50	59·6	50·2	37·4	63·5	7·4	2·7	·307	·296	60	82	S 1	SW 1	3	4	·030	Very fine.
28	·35	·25	47·1	49·7	45·1	57·5	0·6	2·2	·310	·302	96	86	NE 0·5	S 0·5	9	10	·190	Dark, with ● all day.
29	·28	·30	52·6	46·9	46·9	58·0	4·1	1·1	·293	·295	74	93	SW 1	SW 0·5	8	7	·220	Dull, with ● showers. ⚳ *2p.*
30	·38	·44	49·5	45·8	38·0	56·3	4·0	1·3	·261	·277	73	90	S 2	S 0·5	7	8	·180	Dull, with ● showers *a.* Fine *p.*
31	28·35	28·38	49·7	47·5	45·3	55·8	2·4	3·0	·297	·259	84	80	S 0·5	SW 4	8	8	·070	● showers.
Mean	28·605	28·622	52·4	50·2	42·9	60·6	4·1	3·2	·295	·286	75·0	79·2	1·0	0·9	6·3	6·6	1·300	

LAUDALE.—MAY 1889.

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

1	29·46	29·62	49·1	49·0	41·2	51·3	3·1	6·0	·275	·217	79	62	S 5	E 4	10	2	·100	●⁰ *a.* ⚳ *1p.*, then ●². Clear later.
2	·63	·66	49·2	52·0	44·9	57·8	3·9	4·9	·259	·268	74	70	SSE 2	E 4	6	5	·280	Fine and dry all day.
3	·73	·71	48·8	50·7	48·8	58·8	2·2	1·7	·291	·326	84	88	SE 4	SE 5	10	10	·680	●² all day.
4	·82	·85	53·0	56·7	50·0	58·6	3·1	4·7	·320	·331	79	72	SE 5	SSE 1	10	10	·120	●² showers.
5	·85	·85	57·4	56·2	53·2	66·0	4·0	3·0	·357	·367	75	81	E 6	Calm 0	4	3	—	Fine and warm.
6	·89	·84	58·0	63·0	49·1	72·7	4·0	5·8	·367	·392	76	68	Calm 0	Calm 0	7	3	—	Very warm and close.
7	·74	·67	61·6	53·8	52·1	69·2	5·6	1·8	·376	·363	69	87	SSE 2	Calm 0	7	10	·910	Very warm. ⚳ ●² *5p.*
8	·64	·75	56·0	52·2	47·9	57·7	2·2	1·5	·386	·350	86	90	SSE 2	SE 2	10	10	·120	●² showers mid-day.
9	·75	·74	54·0	57·3	50·2	60·1	3·8	5·3	·315	·324	75	69	S 2	SE 2	10	10	·190	●² *p.*
10	·61	·74	58·3	48·2	42·0	58·7	4·3	6·0	·363	·209	75	62	SSE 2	SE 1	10	10	·210	●² showers.
11	·85	29·88	51·4	48·4	46·9	58·2	6·2	7·5	·236	·185	62	55	Calm 0	Calm 0	10	10	—	Overcast day.
12	·92	30·00	61·5	61·4	43·5	67·6	5·5	5·9	·378	·267	70	68	SE 1	Calm 0	1	8	·070	Warm and close. ⚳² *1p.* ●² noon
13	·97	29·90	59·9	53·0	52·4	66·4	6·2	8·2	·338	·217	66	54	S 1	E 1	0	3	—	Fine and bright all day.
14	·81	·73	49·8	49·8	45·7	53·5	4·1	2·8	·261	·288	73	81	Calm 0	SE 3	10	10	·300	Dark all day. ⚳ *8p.* and *10p.* ●²
15	·76	·85	48·3	49·8	46·1	57·3	2·3	4·0	·282	·263	84	74	SE 1	Calm 0	10	2	—	Fine all day.
16	·94	·99	50·0	55·0	44·6	61·0	5·0	5·2	·317	·298	70	69	S 3	Calm 0	6	10	·040	∞ *a.* Dull day.
17	·99	·96	53·3	58·2	49·2	63·4	1·6	5·2	·362	·340	89	70	S 1	Calm 0	10	10	·010	
18	·85	·85	58·9	58·5	48·7	61·8	4·9	4·7	·355	·356	72	75	SE 1	Calm 0	10	10	—	Warm and close. ∞ *p.*
19	29·86	29·96	62·8	53·7	51·8	66·8	5·6	1·7	·395	·364	69	88	E 3	Calm 0	7	10	—	Close and warm. ∞
20	30·00	30·06	59·7	62·6	52·5	63·2	4·6	4·6	·375	·419	74	74	SW 1	SSW 1	10	10	—	Dull and close all day.
21	30·03	29·98	63·7	58·0	57·1	70·9	4·4	2·7	·444	·401	76	83	S 3	Calm 0	10	7	—	Dull day. ∞
22	29·88	·85	63·0	57·0	51·8	67·6	4·8	2·1	·420	·402	73	86	E 1	Calm 0	9	10	·050	
23	·80	·66	54·1	58·0	53·8	62·3	3·9	3·7	·314	·375	75	78	Calm 0	Calm 0	10	10	·020	Dull *a.* ●⁰
24	·51	·58	54·3	47·3	46·9	58·4	2·0	1·8	·365	·283	87	88	SE 1	Calm 0	10	8	·100	●⁰ all day.
25	·55	·64	53·5	46·3	40·6	57·7	6·5	1·7	·232	·274	62	88	SE 1	Calm 0	7	3	—	
26	·67	·78	58·0	53·6	44·2	64·0	6·7	3·4	·303	·320	63	77	E 2	Calm 0	2	5	—	Fine and warm all day. Hot sun.
27	·77	·64	58·0	53·2	46·9	68·5	5·0	3·4	·342	·315	71	78	S 3	Calm 0	5	2	·100	∞ *a.* Fine all day.
28	·46	·38	51·3	52·0	49·1	56·3	1·4	1·2	·342	·356	90	92	S 3	SE 3	10	10	·640	≋⁰ (mist) *a.* ● all day.
29	·40	·48	55·1	48·4	41·8	59·2	3·0	0·4	·351	·330	81	97	S 2	Calm 0	6	3	·290	●² showers all day.
30	·52	·57	49·9	52·7	47·7	59·3	1·9	3·9	·310	·298	87	75	E 3	SE 1	10	4	·070	●² showers.
31	29·49	29·47	52·4	53·2	48·4	61·4	2·9	3·9	·318	·304	81	75	SSE 1	SE 3	5	10	·050	● showers all day.
Mean	29·746	29·762	55·5	53·8	47·9	61·8	4·0	3·8	·334	·319	75·7	76·5	2·0	1·0	7·8	7·4	4·350	

DUNDEE.—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·40	29·57	46·4	44·0	42·8	51·3	0·4	0·9	·306	·267	97	93	SE 2	SE 1	10	10	·090	● n. and till 10a. and p. T ↙ [11a.—3p. (gale)
2	·55	·61	45·1	43·6	41·7	53·8	1·8	0·3	·259	·277	86	97	SE 1	SE 1	10	10	·070	T 4.30p. ● 5.20p.—6p.
3	·65	·69	47·9	47·2	40·9	49·7	0·6	0·8	·318	·305	96	95	SE 2	SE 2	10	10	·110	● showers.
4	·79	·81	52·4	46·1	44·7	53·9	2·8	1·1	·321	·286	82	92	SE 1	SE 4	5	10	—	Fine till 5p.
5	·79	·78	49·3	45·3	44·0	51·9	1·6	0·6	·311	·289	89	96	SE 2	SE 1	10	10	·010	Dull day. ≋ from 4p.
6	·79	·79	48·4	46·1	44·1	57·4	0·8	0·6	·321	·298	94	96	S 1	E 2	10	7	—	Dull till 11a., then fine.
7	·69	·61	53·4	45·7	43·2	54·3	3·2	0·2	·322	·301	79	98	SE 1	SE 2	10	10	·030	Dull day. ≋ from 4p. ● 9p.
8	·55	·60	47·7	46·9	44·7	53·9	0·3	0·5	·324	·309	99	97	SE 1	E 1	10	10	·010	Dull, with ≋. ● n.
9	·64	·68	53·5	47·8	46·9	60·9	2·5	1·4	·340	·298	83	90	S 1	E 2	10	10	.020	Dull day.
10	·59	·70	54·5	46·5	44·3	55·5	3·0	0·4	·342	·306	80	97	SE 6	SE 2	5	10	·070	T 6a. ● showers n. and till 7p.
11	·70	·77	57·7	48·2	45·1	59·8	3·4	1·5	·378	·300	79	90	SE 2	E 4	7	10	—	
12	·77	·81	60·8	51·7	44·3	64·4	4·4	2·1	·396	·329	75	86	E 6	E 6	5	7	—	
13	·82	·78	57·2	45·7	43·9	61·0	4·7	1·0	·337	·285	72	94	SE 2	E 2	5	7	·010	Fine day.
14	·69	·65	46·4	44·3	41·5	50·6	2·8	2·2	·253	·243	81	83	SE 1	SE 2	10	10	·040	Dull day. ● 9 shower n.
15	·68	·74	45·0	45·4	43·2	47·5	0·6	0·9	·285	·283	95	94	SE 1	SE 1	10	10	·010	Dull day. ● showers till noon. ● n.
16	·85	·90	47·2	44·9	44·5	50·4	1·0	0·4	·300	·285	93	96	SE 1	SE 1	10	10	—	Dull, with ≋.
17	·90	·85	50·4	52·3	43·1	60·8	1·5	2·3	·328	·331	90	84	SE 1	E 2	10	10	·020	Dull till 10a. ● 9 from 8p.
18	·71	·73	50·4	49·2	45·8	60·3	1·4	0·7	·328	·332	90	96	SE 1	NE 1	10	7	—	Dull day.
19	·77	·81	46·8	49·9	41·8	57·5	0·4	0·5	·311	·346	97	97	E 1	E 1	10	10	—	Dull, with ≋.
20	·88	·92	55·9	52·7	49·0	64·7	2·2	2·8	·386	·325	86	81	SE 1	E 1	5	7	—	≋ till 10a.
21	·93	·87	64·4	53·3	45·1	68·9	6·0	2·9	·409	·328	67	80	S 1	SE 1	7	10	—	Fine day
22	·78	·70	62·5	58·4	46·6	74·0	6·3	4·7	·418	·355	67	73	S 1	W 1	5	10	—	Fine day. Cloudy from 4p.
23	·63	·54	64·9	53·7	48·6	69·8	5·5	2·1	·431	·354	70	86	W 1	NE 1	5	10	—	Fine day. Cloudy at times.
24	·40	·38	61·3	55·9	47·4	70·8	4·4	2·0	·404	·391	75	87	SW 1	W 1	5	10	·020	● 9p.
25	·38	·44	49·6	50·4	47·9	67·5	3·0	1·9	·282	·318	80	88	W 2	NW 2	5	5	—	Fine day.
26	·57	·68	59·5	49·6	47·4	62·6	5·9	1·2	·339	·324	67	92	SE 1	SE 1	0	10	—	Fine day.
27	·67	·56	54·5	49·4	44·5	60·3	4·1	2·8	·316	·285	74	81	E 1	SE 1	5	10	·250	Fine day.
28	·38	·30	49·0	52·4	46·3	54·3	0·6	1·8	·332	·346	96	88	E 2	SW 2	10	10	·390	● n. and till 3p.
29	·30	·33	53·9	50·1	49·0	60·8	1·7	0·7	·367	·344	88	95	S 1	NE 1	10	10	·140	● showers 8a.—2p. T 3.30p.
30	·42	·46	54·6	50·7	41·6	60·2	3·5	2·1	·332	·317	78	85	SW 1	SW 1	10	10	·060	Dull, with ● showers.
31	29·40	29·45	54·0	51·2	47·0	57·3	2·7	2·1	·342	·323	82	86	SW 2	SW 4	10	10	·180	● showers n. and during day. T 4p.
Mean	29·647	29·662	53·1	49·0	44·9	58·9	2·7	1·5	·337	·312	83·5	90·1	1·6	1·8	7·9	9·4	1·530	

GLASGOW.—MAY 1889.

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

1	29·33	29·51	49·4	46·8	44·4	55·4	3·3	4·2	·273	·228	77	72	ESE 1	ESE 1	10	0	·015	Overcast, with ● 2 T 0. Fine later.
2	·49	·36	48·0	50·2	41·4	60·0	3·1	4·3	·262	·261	78	72	ENE 1	SE 1	10	2	—	
3	·58	·63	50·0	51·1	46·7	52·5	3·9	2·7	·267	·306	75	82	SSE 2	SSE 2	10	10	·055	Overcast, with ● 0.
4	·70	·71	54·9	52·7	50·9	62·7	5·6	2·2	·287	·339	66	85	E 1	ENE 1	10	10	·370	Overcast, with ● 2.
5	·71	·71	48·9	48·9	47·2	56·7	1·0	0·7	·321	·328	93	95	NE 2	E 1	10	10	—	Dull and cloudy.
6	·76	·72	49·5	49·5	43·5	60·9	1·3	1·9	·321	·306	91	87	ENE 1	E 1	10	7	·110	Cloudy, with ● 2 T 0.
7	·60	·53	52·4	49·3	45·7	58·6	2·3	0·7	·333	·334	84	95	E 2	E 1	7	10	·500	● 2 K 0.
8	·51	·57	48·4	52·0	46·4	58·6	0·8	4·4	·319	·278	94	72	ESE 1	SSE 1	10	10	.200	● 0 a.
9	·60	·55	54·1	52·4	47·9	58·5	3·7	3·5	·321	·303	76	77	ESE 1	ENE 4	10	10	·310	Overcast, with ● 0.
10	·49	·64	49·9	51·3	45·8	55·5	0·7	2·9	·340	·304	95	81	E 1	ESE 1	10	10	·160	Overcast, with ● 2 K 0.
11	·66	·73	48·4	49·2	47·4	57·1	1·2	1·4	·309	·315	92	90	NNE 1	E 2	10	10	—	Dull and cloudy.
12	·74	·78	56·7	50·8	48·7	62·5	3·9	2·3	·351	·312	76	85	E 1	E 2	10	3	—	Fine day.
13	·79	·73	53·0	50·4	45·4	64·1	3·7	2·8	·306	·296	76	81	E 1	E 1	5	7	·010	● 0.
14	·65	·59	47·4	45·6	44·4	54·5	2·7	0·8	·264	·287	82	94	ENE 1	ENE 2	10	10	·710	Dull and cloudy. ● 2 n.
15	·59	·70	45·4	46·6	44·4	55·0	0·7	1·5	·287	·283	95	90	ENE 1	NE 1	10	6	·015	● 0 a. Cloudy day.
16	·80	·82	51·1	47·6	44·1	59·9	2·6	1·3	·308	·298	82	91	NE 1	E 3	10	10	·240	Overcast. ⊕
17	·84	·77	48·0	54·3	45·2	61·9	1·0	4·4	·309	·306	93	72	NE 2	NE 2	10	8	·035	● 2 a.
18	·69	·69	49·9	55·8	47·2	63·8	1·6	2·9	·318	·364	89	82	ENE 1	E 1	10	6	—	
19	·73	·80	57·7	54·8	47·8	67·7	3·0	3·3	·388	·339	82	78	NE 1	WSW 1	10	8	—	Fine day.
20	·86	·89	55·2	57·9	47·3	70·7	1·6	3·0	·389	·393	90	82	NNE 1	W 1	10	3	—	Fine day.
21	·90	·82	61·9	60·1	50·3	73·6	4·2	3·4	·419	·415	76	80	NNW 1	W 1	10	0	—	Fine day.
22	·74	·70	64·8	55·6	53·3	70·2	5·1	3·0	·441	·358	72	82	S 1	SW 1	10	7	—	Fine day.
23	·63	·51	61·2	55·9	53·5	67·3	5·5	2·9	·374	·365	70	83	SW 1	SW 1	7	4	—	Fine day.
24	·36	·40	59·3	50·0	50·0	60·3	6·0	2·4	·334	·301	67	84	S 3	W 1	10	10	—	Dull and overcast.
25	·39	·45	53·7	50·4	44·9	60·6	6·4	4·5	·257	·259	62	71	WNW 2	WNW 1	6	4	—	Fine day.
26	·53	·62	54·9	53·7	43·9	65·0	5·8	4·7	·283	·293	65	71	NNE 1	ENE 2	9	7	—	Fine day.
27	·62	·49	56·0	53·7	42·9	65·9	5·2	4·6	·309	·295	69	71	NE 1	ENE 2	6	8	·190	● 0 at night.
28	·32	·26	49·7	52·1	48·0	54·5	1·1	1·7	·329	·344	92	88	E 1	S 1	10	7	·460	Overcast, with ● 2.
29	·25	·32	57·4	49·9	49·4	60·0	5·1	2·8	·331	·289	70	81	S 2	SSE 1	8	2	·190	● 2 showers. T 0 ▲ 0.
30	·39	·42	51·6	51·9	46·3	59·3	1·5	4·3	·343	·280	90	73	S 1	SW 1	10	6	·180	Cloudy, with ● 0.
31	29·35	29·41	54·2	52·4	46·9	58·5	4·9	2·8	·294	·321	70	82	S 2	S 2	9	8	·050	Cloudy, with ● 0 showers.
Mean	29·600	29·613	53·0	51·7	46·8	61·0	3·2	2·8	·322	·313	80·3	81·6	1·3	1·4	9·3	7·1	3·800	

WOLFELEE.—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	28·93	29·09	48·0	45·0	41·4	52·6	2·4	1·9	·276	·255	83	86	S	S	—	—	·030	Fine a. T in afternoon. Dull p.
2	29·07	·17	46·2	44·5	38·4	54·8	2·6	0·9	·255	·273	82	93	SSW	S	—	—	·120	Fine a. T in afternoon. ● showers p.
3	·19	·24	50·0	50·0	40·4	58·8	2·4	1·9	·300	·312	84	87	SSE	SE	—	—	·080	● 0 a. ● showers p.
4	·30	·31	58·0	53·5	44·4	58·4	5·4	3·9	·332	·307	69	75	S	S	—	—	—	Fine and mild a. Blowy p.
5	·28	·28	50·0	48·0	45·4	66·0	0·9	0·4	·337	·325	94	97	NE	NE	—	—	—	Dull a. Distant T. Fine p.
6	·30	·29	47·5	48·5	42·4	68·2	0·4	0·9	·318	·319	97	93	N	SE	—	—	—	≋ 1 (mist) a. Fine day.
7	·20	·09	47·5	56·0	41·9	72·0	0·7	3·4	·311	·355	95	79	NNW	W	—	—	·030	Fine day. T in afternoon.
8	·08	·16	50·5	45·0	47·4	68·7	2·4	1·2	·307	·271	84	91	SW	SW	—	—	—	Dull a. Fine p.
9	·17	·17	55·5	51·0	43·4	60·5	4·9	2·4	·312	·313	70	84	SW	E	—	—	—	Fine day. Distant T.
10	·07	·21	60·0	48·5	45·9	65·0	4·4	0·4	·385	·330	74	97	ESE	W	—	—	·440	Very fine a. ● p.
11	·18	·26	48·5	48·0	44·9	63·0	0·9	0·9	·319	·312	93	94	NE	NE	—	—	—	Fine day.
12	·28	·29	50·5	48·5	43·4	60·0	1·4	0·9	·331	·319	90	93	NE	NE	—	—	·010	Dull day.
13	·33	·30	45·5	45·0	43·4	60·2	0·4	1·4	·295	·266	97	89	NE	SW	—	—	—	Dull day.
14	·22	·16	45·0	48·5	39·9	55·3	7·4	1·9	·160	·294	53	86	NE	NE	—	—	—	Dull day.
15	·17	·26	50·0	46·0	40·4	62·8	2·4	0·9	·300	·289	84	94	NE	NE	—	—	—	Fine day.
16	·34	·36	54·0	46·5	36·4	65·2	4·4	1·9	·301	·272	72	85	NNW	NE	—	—	—	Very fine a. ≋ 0 (mist) p.
17	·40	·30	51·0	49·5	42·4	64·8	1·9	1·4	·326	·318	87	92	NE	NE	—	—	—	≋ 0 (mist) a. Dull p.
18	·23	·26	56·0	57·0	45·4	68·2	3·4	1·4	·355	·422	79	91	E	SE	—	—	—	Fine a.
19	·29	·34	57·5	58·5	45·4	70·7	1·9	1·9	·416	·432	89	88	NE	SW	—	—	—	Very fine day.
20	·41	·45	66·0	58·0	42·4	73·2	7·9	2·4	·383	·410	60	85	W	SW	—	—	—	Fine day.
21	·46	·41	69·5	58·0	42·9	76·7	8·1	3·4	·434	·383	60	79	E	NE	—	—	—	Very fine day. T in afternoon.
22	·33	·29	69·0	58·0	52·3	81·2	6·9	3·4	·460	·383	64	79	SW	W	—	—	—	Very fine day.
23	29·17	29·09	64·0	56·0	48·3	77·2	7·4	2·9	·366	·368	61	82	W	W	—	—	—	Fine day. Distant T.
24	28·98	28·92	58·0	54·5	46·4	76·2	3·9	1·4	·370	·384	77	91	SW	W	—	—	·060	Fine a.
25	28·95	29·01	50·0	50·5	44·4	70·2	3·9	1·4	·267	·331	75	90	NW	N	—	—	—	Fine day.
26	29·07	·19	57·0	48·0	33·5	68·2	6·9	2·4	·285	·276	61	83	NE	SE	—	—	—	Fine day.
27	29·19	29·07	53·0	48·0	38·4	68·2	4·4	1·4	·290	·299	72	90	NE	NE	—	—	·230	Fine day. ● 0 p.
28	28·88	28·85	50·0	52·0	44·4	65·0	0·4	0·9	·350	·364	97	94	NE	SE	—	—	·100	● a. Fine p.
29	·87	28·95	55·5	44·5	44·4	65·0	3·9	0·9	·335	·273	76	93	SW	SW	—	—	·200	● a. ● showers p.
30	·98	29·00	51·2	47·5	37·4	62·5	1·6	1·9	·335	·283	89	86	SW	SW	—	—	·310	● showers. Distant T.
31	28·96	29·06	55·0	50·0	44·4	61·0	2·4	1·9	·365	·312	85	87	SW	SW	—	—	·210	● showers a. Distant T. Fine p.
Mean	29·170	29·188	53·9	50·4	43·0	65·8	3·5	1·7	·328	·324	79·1	88·1	—	—	—	—	1·820	

SCARBOROUGH.—MAY 1889.

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

1	29·50	29·62	49·6	45·2	43·0	53·3	2·3	5·8	·298	·185	84	61	S 4	SE 2	6	7	·150	Fine. ● later.
2	·58	·71	46·0	44·7	41·0	51·0	0·8	1·3	·292	·265	94	90	S 2	E 1	7	10	—	Fine day. Sea ≋ 9p.
3	·74	·81	53·6	48·4	42·0	57·8	2·5	0·6	·343	·324	83	96	SW 2	SE 2	5	3	—	Brilliant day.
4	·84	·82	52·1	46·4	45·0	53·5	1·3	0·5	·355	·303	91	96	E 2	SE 1	6	0	—	Fine day.
5	·76	·72	46·7	44·5	44·0	49·5	0·3	0·1	·312	·292	98	99	E 1	NE 1	10	7	·010	Sea ≋.
6	·74	·76	47·8	47·7	43·0	53·0	0·6	0·2	·317	·327	95	99	NE 2	E 1	0	4	—	Fine day.
7	·68	·60	50·6	48·1	46·0	57·3	1·1	0·1	·340	·334	93	99	NE 1	NE 2	0	2	—	Fine day.
8	·58	·67	54·6	52·6	47·2	62·8	0·3	1·5	·418	·356	98	90	S 1	SW 1	10	0	—	Dull, with ≋. Fine later.
9	·67	·57	56·4	49·5	48·0	56·8	3·9	0·3	·346	·346	76	98	NE 1	NE 2	3	5	·030	
10	·55	·66	50·0	50·7	47·2	55·9	0·1	0·1	·358	·367	99	99	NE 1	NW 1	10	10	·160	Dull, with ≋ ●.
11	·60	·65	48·6	48·8	45·7	52·7	0·5	0·0	·329	·345	97	100	NE 2	E 3	10	3	·070	Dull, then fine. ≋ 9p.
12	·62	·70	47·6	46·8	46·4	49·5	0·0	0·1	·330	·318	100	99	N 4	NE 2	10	10	·040	Cold ● ≋.
13	·75	·74	47·0	44·0	43·6	50·5	0·1	4·1	·321	·204	99	70	N 4	N 2	10	10	—	Dull and cold, with ≋.
14	·71	·67	45·2	46·0	43·0	50·9	1·3	1·2	·270	·285	90	92	NW 1	E 1	10	10	—	Dull a. Bright afternoon.
15	·69	·74	45·8	45·2	45·0	51·9	0·4	0·5	·299	·289	97	97	E 1	E 1	10	5	—	Dull a. ≋ a. and p. Bright afternoon, ≋
16	·83	·86	43·1	45·9	42·0	48·0	0·3	0·1	·271	·307	97	99	N 2	N 1	10	10	—	
17	·83	·72	52·3	48·6	45·2	55·1	2·0	0·0	·339	·343	86	100	N 3	W 1	1	10	—	Brilliant a., then dull, with damp ≋.
18	·75	·75	51·6	49·1	48·2	53·5	0·8	0·4	·361	·339	95	97	SE 2	SW 1	9	10	—	≋. Bright at times.
19	·78	·83	50·0	49·8	45·5	57·3	0·7	0·7	·342	·339	95	95	NE 1	NW 1	10	8	—	Dull, with ≋. Fine later.
20	·90	·96	56·4	50·5	48·0	60·3	6·8	2·6	·279	·302	61	82	NE 1	NE 1	5	0	—	Very fine.
21	·96	·94	61·1	53·5	44·2	63·1	6·3	2·2	·352	·349	66	85	NE 1	NE 1	3	0	—	Brilliant day.
22	·87	·77	67·0	58·9	51·0	69·5	5·7	3·6	·461	·391	70	79	SW 1	S 1	0	2	—	Brilliant day.
23	·67	·57	69·6	59·6	58·9	70·1	8·5	2·3	·425	·436	58	86	E 1	E 1	3	8	·210	Fine a. Hot day. K
24	·48	·40	65·1	54·5	53·0	68·8	3·8	0·5	·485	·410	80	97	SW 1	E 2	1	9	·420	Fine a. Hot day. K
25	·40	·49	49·6	47·3	47·0	55·8	0·3	4·7	·348	·224	98	69	N 3	NE 1	10	0	·050	● a. Very fine and clear p.
26	·54	·64	51·0	50·0	42·0	52·7	1·4	0·7	·338	·342	90	95	NE 2	NE 2	10	9	·050	
27	·64	·53	51·1	48·9	48·5	51·8	2·2	0·0	·318	·346	84	100	NE 2	NE 1	9	10	·630	Dull, with wet ≋.
28	·35	·43	51·1	55·8	48·0	62·3	0·0	1·7	·375	·397	100	89	SW 1	E 3	10	10	·070	
29	·40	·47	60·0	48·6	47·5	60·8	4·7	1·3	·377	·309	73	91	S 4	SW 1	7	6	·230	Bright a. ● showers in afternoon.
30	·53	·60	51·9	43·3	43·5	60·7	0·6	1·0	·370	·313	96	93	SE 3	NE 1	3	3	·250	Bright a. ● showers in afternoon.
31	29·56	29·63	54·0	52·7	47·5	61·1	2·7	1·2	·343	·365	82	92	S 4	S 2	7	3	·040	Bright day. ● showers.
Mean	29·662	29·678	52·5	49·4	46·1	56·7	2·0	1·3	·346	·324	87·9	91·4	2·0	1·4	6·6	6·0	2·410	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·38	29·52	44·0	48·0	43·5	52·5	0·6	3·0	·274	·263	95	79	S 2	SE 2	10	5	·108	● 2 till 10a., then fine.
2	·55	·63	48·0	46·1	43·4	53·5	1·2	1·9	·304	·268	92	86	SE 3	SSE 4	7	1	·138	Cloudy a. Fine afternoon. ⊢ p.
3	·63	·68	47·2	50·0	45·6	50·2	0·8	2·0	·305	·309	95	86	SE 4	S 4	10	10	·274	Overcast, with ●.
4	·73	·73	47·3	51·2	47·3	58·8	1·0	1·2	·301	·345	93	92	SE 3	E 2	10	9	·025	Overcast, with ● showers.
5	·72	·68	59·0	55·0	48·5	64·3	3·5	1·1	·394	·400	79	92	E 1	ENE 3	7	10	·370	Fine a. Dull afternoon. ● 2 ▲ ⊼
6	·76	·72	59·2	56·7	53·1	65·0	4·3	1·2	·375	·424	75	92	SE 2	W 2	1	10	·015	Very fine. ⊼ 7p.—8p.
7	·63	·59	56·4	50·0	49·5	61·6	3·2	1·2	·364	·329	80	92	ESE 2	SSW 2	7	10	·001	T ≋0 (mist) a. Fine till 2p., then
8	·59	·62	51·2	51·0	47·5	55·2	1·5	3·0	·338	·299	90	80	SSE 3	SE 2	9	10	·166	● 0 showers a. and 3p. Dull day.
9	·57	·49	51·8	55·0	47·7	58·6	2·0	3·4	·333	·339	86	79	ENE 3	E 5	10	10	·367	Overcast, with ●. ⊼ ● p. Squally
10	·51	·67	49·7	48·0	48·0	55·0	0·9	1·0	·333	·309	94	93	SSE 2	Calm 0	10	10	·018	Overcast, with ● a. Dull p.
11	·69	·73	50·6	48·0	45·3	52·0	1·6	5·3	·327	·219	89	66	Calm 0	NNW 2	10	10	·214	⊢ 2a. Overcast a. Dull, with ● ≋9
12	·72	·72	53·6	52·7	47·0	57·8	1·8	1·2	·361	·365	88	92	WNW 2	ENE 3	10	9	·152	Dull, with ● showers.
13	·79	·76	54·5	51·5	48·0	59·0	3·8	1·4	·323	·345	76	91	ESE 2	Calm 0	2	3	—	Very fine. ≋0 (mist). ⊢ 2p.
14	·69	·64	55·3	48·6	47·5	59·2	2·3	0·8	·372	·322	85	95	SSE 2	SW 2	9	10	—	⊢ 2a. and p. Very fine. ≋0 (mist).
15	·67	·77	51·7	46·0	46·0	59·2	1·5	1·0	·344	·287	89	93	WNW 3	NNW 1	10	10	—	Dull a. Fine afternoon. ⊢ 2p.
16	·82	·84	55·2	51·6	40·0	60·0	6·4	2·6	·275	·315	63	82	ESE 2	Calm 0	3	9	·251	Fine day. ⊢ 2p. ● n.
17	·83	·74	52·2	55·6	49·4	60·8	0·6	4·6	·374	·320	96	72	SSW 1	NE 4–5	10	3	·002	Dull day.
18	·72	·77	57·0	48·8	44·0	63·4	2·5	1·8	·391	·300	84	87	Calm 0	NNE 1	3	3	—	≋9 (mist) a. Very fine. ⊢ 2p.
19	·79	·87	52·8	49·0	44·0	57·8	1·2	0·6	·366	·332	91	96	WSW 3	E 1	9	4	—	⊢ all day. Very fine.
20	·93	·97	55·2	51·0	45·1	64·2	1·7	1·0	·387	·348	89	93	S 2	Calm 0	8	4	—	Very fine, with ≋9 ⊢ 2.
21	·97	·90	61·0	51·2	45·7	68·9	4·0	1·1	·410	·348	77	93	SE 2	Calm 0	2	2	—	≋0 (mist) a. Very fine.
22	·84	·78	59·4	51·0	47·0	61·2	4·9	1·0	·363	·348	72	93	SSW 2	SSW 1	0	3	—	≋0 (mist) a. Very fine. ⊢⊢ 2p.
23	·70	·59	59·2	50·0	48·0	63·3	3·2	0·9	·405	·337	81	94	SE 2	Calm 0	2	3	—	≋0 (mist) a. Very fine. ⊢⊢ 2p.
24	·48	·45	56·9	50·7	46·8	58·5	2·5	2·1	·389	·316	84	86	SSW 3	NW 4	9	7	—	Cloudy day.
25	·49	·52	57·0	48·2	44·8	60·6	6·0	1·5	·304	·266	65	89	NNW 3	NNW 1	2	2	—	Very fine. ⊢ p.
26	·54	·64	57·8	52·0	40·0	62·9	5·1	3·8	·339	·292	71	75	ESE 2	NE 2	6	8	—	Very fine.
27	·65	·56	56·2	51·0	42·1	63·0	5·0	2·4	·319	·320	70	83	E 2	Calm 0	4	1	·083	Very fine. ● at night.
28	·37	·32	52·0	50·0	49·4	52·2	1·0	0·4	·361	·350	93	97	S 2	S 1	10	10	·220	≋9 (mist) a. Day overcast, with ●.
29	·35	·39	53·1	48·8	48·6	56·3	2·9	1·2	·326	·315	80	91	WSW 4	S 3	8	3	·014	Fine day.
30	·51	·45	55·0	49·0	47·5	56·3	2·7	0·2	·357	·343	83	99	SSW 5	ESE 3	7	10	·224	Squally ↗ ● a. ● p.
31	29·46	29·54	52·2	50·8	48·6	56·0	2·0	1·0	·337	·346	86	93	SSW 5	SSW 4–5	10	7	—	Squally ↗ a. Fine day.
Mean	29·647	29·653	53·9	50·5	46·4	58·9	2·6	1·8	·347	·323	83·6	88·1	2·4	1·9	6·9	6·6	2·642	

STONYHURST.—MAY 1889.

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

1	29·21	29·34	43·3	45·7	41·9	55·0	1·1	3·0	·256	·241	92	79	SbyE 4	Calm 0	10	8	·031	⊼ ● 4p.
2	·34	·43	50·0	48·3	40·5	56·7	4·5	3·0	·255	·268	71	79	SE 1	Calm 0	8	9	—	
3	·47	·53	50·3	52·5	43·5	55·6	2·9	4·5	·292	·282	80	71	SbyE 3	SbyE 2	10	10	—	Overcast and gloomy.
4	·54	·52	57·3	58·3	44·0	64·7	6·5	4·5	·298	·358	63	73	ESE 2	E 2	10	10	—	≺ 8.30p.—9.30p.
5	·50	·48	60·2	56·0	48·6	69·5	4·9	2·5	·375	·378	72	84	NE 1	SbyE 1	1	10	·006	⊼ 6.20p.—7p.
6	·50	·49	59·3	59·0	48·9	70·5	4·3	5·7	·377	·337	74	68	NEb.N 1	NEb.E 2	1	1	—	Fine and sunny p.
7	·42	·37	57·2	52·0	49·2	67·3	2·3	1·0	·400	·361	85	93	NEb.N 1	WbyS 1	2	10	·196	Overcast and gloomy, with ⊼ ● p.
8	·38	·41	51·3	54·1	40·9	60·3	3·7	4·8	·287	·294	76	71	swb.W 1	SSW 1	10	10	·059	Overcast day.
9	·38	·30	52·5	55·7	49·0	67·6	2·0	3·9	·341	·338	87	76	E 1	E 3	10	10	·345	● a. Overcast. Squally p.
10	·50	·45	50·2	50·9	49·2	56·0	1·4	3·2	·327	·293	91	79	SbyW 1	Calm 0	10	10	·430	Overcast, with ●.
11	·42	·44	48·6	48·5	46·0	50·9	1·9	1·2	·297	·311	87	91	NWb.N 1	Calm 0	10	10	·194	● a. Dull and overcast. ◫ 10p.
12	·46	·48	51·0	49·3	47·3	53·6	1·3	1·3	·341	·318	91	91	ENE 1	NE 1	10	10	·025	Overcast, with ●.
13	·53	·52	50·0	48·3	46·3	57·0	2·7	2·1	·293	·287	82	85	NEbyE 1	NNE 1	10	10	—	Overcast.
14	·49	·43	49·6	51·0	44·3	58·3	2·4	1·3	·296	·341	83	91	ESE 1	NEb.N 1	10	10	·089	Cloudy, overcast, and gloomy. ● 2
15	·45	·52	53·7	50·0	46·8	61·2	2·7	2·7	·338	·293	82	82	SEb.E 1	Calm 0	10	1	—	Cloudy a. [9p.—10p.
16	·59	·60	57·0	58·2	45·9	63·9	4·1	4·1	·349	·367	75	76	ENE 1	EbyS 1	6	10	—	Overcast and gloomy p.
17	·60	·52	55·8	50·2	48·3	65·1	3·1	1·9	·360	·315	80	87	SE 1	NNE 1	10	0	—	Fine and sunny p.
18	·52	·52	58·7	52·3	47·9	64·3	3·0	1·1	·404	·362	81	92	Calm 0	Calm 0	1	10	·031	Dull and overcast p. T
19	·57	·62	53·3	53·0	45·6	64·4	1·2	1·8	·373	·352	92	87	Calm 0	Calm 0	10	10	—	Dull and overcast, with ≋ a.
20	·68	·73	62·0	55·5	43·7	71·5	6·8	3·0	·352	·357	63	81	Calm 0	Calm 0	0	0	—	Fine and sunny.
21	·73	·69	65·2	61·7	47·2	71·9	6·9	4·2	·397	·417	64	76	Calm 0	Calm 0	0	1	—	Fine and sunny.
22	·62	·56	67·0	59·0	53·2	72·1	7·0	3·0	·424	·407	64	82	SSE 2	Calm 0	1	5	—	Fine and sunny.
23	·48	·36	65·5	56·2	52·2	70·3	8·6	2·2	·359	·388	57	86	W 1	WSW 1	1	10	—	Fine and sunny. Overcast evening.
24	·24	·18	61·3	55·3	49·3	66·9	3·8	2·5	·422	·367	78	84	Calm 0	W 1	10	10	·060	● a. Overcast p.
25	·20	·27	53·5	53·2	47·5	60·3	4·2	7·5	·300	·232	73	57	WNW 1	WSW 1	10	0	—	Overcast a. Clear and sunny p.
26	·31	·41	54·2	52·0	39·0	62·2	3·9	3·5	·315	·299	75	77	NE 1	NEbyE 1	9	10	—	
27	·41	·33	53·2	49·1	46·8	55·9	5·1	0·9	·277	·326	69	93	ENE 2	ENE 1	10	10	·135	Overcast, with ●.
28	·17	·17	50·8	51·3	47·7	57·8	1·1	1·3	·344	·344	92	91	EbyS 1	SW 2	10	10	·220	Overcast, with ●.
29	·17	·22	53·3	47·9	46·6	55·2	3·7	2·4	·310	·276	76	84	S 3	SW 1	10	3	·296	T 10.30a. ▲ 2 ● 2 ⊼ 2 p.
30	·31	·29	54·3	50·3	45·5	56·8	5·0	2·3	·293	·306	70	84	SbyW 3	SSE 3	8	10	·440	● showers a. Overcast p.
31	29·26	29·38	55·0	52·3	48·7	57·7	3·7	3·0	·332	·315	77	80	SbyW 6	SW 1	9	9	·375	⊼ 2 ▲ 2 ● 2 (very heavy) 2p. ⌒ [6p.
Mean	29·426	29·437	55·0	52·8	46·5	62·0	3·7	2·9	·335	·327	77·5	81·6	1·4	0·9	7·3	7·6	2·932	

HILLINGTON.—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·61	29·65	53·1	44·3	42·5	55·4	3·5	0·3	·312	·284	77	98	SE 4	SE 1	6	10	·180	Overcast, with ● p. Distant T 5p.
2	·69	·79	49·1	44·9	40·1	56·1	2·2	0·2	·294	·294	84	99	SE 2	S 0·5	10	0	·097	● 2 2.15p.—3.15p. ⊢ 9p.
3	·88	·92	50·2	48·6	39·1	61·4	0·7	1·9	·345	·295	96	87	SW 2	SE 2	10	1	—	≋ early a. Much cir. 6p. ⊢ p.
4	·89	·85	58·1	51·7	46·3	71·1	3·4	1·8	·382	·336	80	87	SE 2	SE 3	10	0	·002	Cloudy, then sunny. Much cir. p. ⊢
5	·81	·73	63·0	55·9	43·1	71·7	3·4	2·2	·462	·382	80	86	ESE 2	ESE 4	9	7	—	Fine and sunny. ⊢ p. [< 11p.
6	·74	·75	62·1	51·2	47·8	71·4	4·9	1·2	·403	·345	73	92	NE 3	E 2	2	9	—	⊢ 2a. Very fine and sunny. ⊢ p.
7	·72	·72	64·8	54·1	42·2	73·5	5·2	1·2	·437	·384	72	91	SE 0·5	S 2	5	10	·087	Very fine and sunny. ⊼ 1p.—3p. ⊢ p.
8	·73	·76	51·0	50·2	50·1	66·3	2·3	1·4	·315	·327	84	91	SW 3	SW 1	10	8	—	Cloudy, then sunny. ◫ ⊢ 9p.
9	·70	·62	65·0	57·7	45·6	70·0	8·2	2·0	·361	·416	58	87	SE 5	SE 1	2	10	·210	Very fine and sunny. ⊼ 5p.
10	·63	·73	51·9	51·9	50·2	58·9	0·8	0·2	·365	·381	95	99	SW 1	SW 0·5	10	10	·930	● 2 a. and p. [∞0 p.
11	·62	·60	48·8	49·3	48·0	52·8	0·1	0·4	·343	·342	99	97	NW 0·5	NW 1	10	10	·017	Overcast and gloomy, with ≋0 (mist).
12	·61	·71	49·1	48·9	47·3	52·7	0·1	0·1	·346	·344	99	99	NE 0·5	N 0·5	10	10	·030	Overcast and gloomy, with ≋9 (mist).
13	·75	·80	50·0	48·1	48·0	55·3	0·0	0·2	·361	·331	100	98	SE 0·5	NE 1	10	10	·004	Overcast all day.
14	·79	·74	47·3	45·0	44·9	54·5	0·5	0·2	·313	·295	97	98	NE 1	E 1	10	10	·002	Overcast.
15	·75	·79	46·3	44·9	42·3	52·5	0·0	0·2	·315	·294	100	99	NE 1	NE 1	10	10	·003	≋ early a. Overcast all day. [sunny.
16	·89	·87	49·8	46·8	42·7	64·4	0·9	0·2	·334	·316	93	98	NE 0·5	NE 1	5	5	·014	≋ early a. Overcast, then fine and
17	·84	·80	63·0	53·0	45·9	67·1	4·3	1·4	·433	·364	76	90	SE 1	E 1	5	10	·001	Very fine and sunny. Much cir. all day.
18	·84	·83	54·2	55·9	50·1	64·1	0·5	0·2	·406	·441	97	99	SW 1	E 0·5	10	10	·355	⊢ a. Overcast, with ∞. ● from 8p.
19	·81	29·86	50·9	49·7	49·1	55·9	0·1	3·1	·370	·280	99	80	SSE 1	NE 0·5	10	10	·007	● 2 early a. Very damp.
20	29·95	30·01	53·0	52·1	48·4	65·4	1·0	0·4	·374	·378	93	97	NE 1	NE 1	10	10	—	⊢ a. Overcast most of day. ⊢ 2 p.
21	30·02	30·00	61·5	54·8	50·1	70·0	4·3	1·1	·410	·397	76	92	E 1	N 0·5	6	0	—	Very fine and sunny. ⊢ 2p.
22	29·92	29·83	69·2	57·7	50·2	76·6	6·6	1·0	·472	·446	65	93	E 2	NE 1	0	0	—	Cloudless all day. ⊢ p.
23	·75	·65	73·0	63·1	50·8	81·4	6·2	3·7	·560	·453	69	79	S 0·5	S 1	0	10	—	Hottest day in May since 1868. < p.
24	·55	·45	73·5	63·1	52·6	80·3	8·7	2·7	·489	·483	59	84	S 1	S 2	2	7	—	Very fine and sunny. ⊼ p.
25	·42	·55	64·1	50·6	50·4	67·8	3·3	0·9	·482	·345	81	94	NW 3	NE 1	8	10	·093	∞0 ⊢ p.
26	·57	·64	51·9	50·1	50·1	52·7	0·2	0·3	·381	·355	99	98	E 2	E 4	10	10	·118	● 2 early a. ⊢ 9p
27	·63	·59	51·0	51·4	49·2	52·3	0·1	0·1	·371	·377	99	99	NE 5	NNE 0·5	10	10	·307	● 2 5a.—8a.. and 4p. T 4.15p.
28	·54	·57	55·0	53·0	50·0	64·3	1·7	0·6	·382	·385	89	96	SW 5	SE 3	10	10	·068	● 2 ⊼ 0.15a.—2a. ● p.
29	·57	·62	55·1	48·6	48·5	62·3	2·4	1·8	·366	·297	84	88	SW 3	SW 3	6	6	·070	Magnificent double ⌒ 6.30p.
30	·72	·74	56·2	50·5	44·6	61·7	4·4	2·5	·330	·304	73	83	WSW 4	SSW 2	6	1	·005	● showers 11a.—3.30p. ↗ 2p. ⊢ p
31	29·73	29·80	58·2	53·0	46·0	65·1	4·6	2·6	·353	·333	73	82	SW 5	SSW 2	7	1	—	⊢ p.
Mean	29·732	29·741	56·4	51·6	47·0	63·7	2·7	1·2	·383	·355	84·5	92·3	2·1	1·5	7·4	7·3	2·650	

CHURCHSTOKE.—MAY 1889.

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

1	29·00	29·12	48·7	42·8	40·0	55·5	3·8	1·9	·254	·234	74	85	SSE 2	SE 2	8	0	·040	Bright and fresh. ● showers.
2	·17	·30	47·4	45·8	38·0	56·9	2·3	1·9	·274	·264	84	86	SE 2	SW 2	6	6	—	Cool wind.
3	·26	·33	49·7	50·4	42·1	55·9	2·8	3·3	·287	·284	81	79	SE 2	SSE 2	10	6	·020	Threatening and mild.
4	·31	·31	59·0	53·9	46·1	66·5	4·5	2·5	·307	·346	74	83	SE 3	SE 2	10	9	·010	Dull day. ● showers in evening.
5	·27	·25	59·0	53·4	44·1	69·8	4·0	2·0	·379	·353	76	86	N 2	NE 1	8	4	·062	Fine, but with cool wind. Distant T.
6	·30	·27	53·9	54·9	42·1	69·4	1·9	1·9	·362	·375	87	88	NW 1	NNE 1	9	0	—	◫. Dull and warm, with ∞.
7	·22	·19	59·0	48·9	44·0	66·4	3·0	2·4	·407	·287	82	84	NW 1	WNW 1	10	10	·120	∞. Distant T.
8	·20	·22	55·3	49·0	48·0	61·3	4·9	1·5	·307	·321	71	90	W 2	E 1	8	10	·270	● ≋9 (mist) in evening.
9	·08	·05	60·0	54·3	46·8	60·6	4·0	2·3	·396	·357	76	85	E 2	SE 2	9	8	·820	Distant T.
10	·12	·27	52·9	46·1	45·0	59·6	3·9	1·2	·299	·284	75	91	SW 1	SW 1	9	9	—	Bright p.
11	·26	·28	49·9	47·1	41·0	58·1	3·0	1·2	·285	·295	80	91	N 2	SW 1	10	10	·738	Cool wind. ● in evening.
12	·27	·29	47·9	48·9	44·3	50·1	1·0	0·3	·308	·339	93	98	SW 1	W 1	10	10	·120	● 2 in past n. Dull, with ● all day.
13	·34	·32	49·9	50·9	47·0	57·1	0·9	0·9	·335	·349	94	94	NE 1	SE 1	10	10	—	Gloomy, with ∞.
14	·27	·24	56·3	47·9	47·0	60·1	1·5	1·0	·409	·308	90	93	SE 2	SSE 1	9	2	—	Dull and warm, with ∞.
15	·27	·37	51·9	49·4	41·0	66·9	1·5	1·4	·346	·317	90	90	SSE 2	NW 1	9	9	—	
16	·39	·42	56·9	52·9	39·8	67·4	2·1	0·9	·400	·375	87	94	NW 2	W 1	5	9	·178	Bright and breezy.
17	·38	·32	55·3	51·9	48·8	57·3	3·5	0·9	·340	·362	78	94	NW 1	NW 1	10	8	—	T in past n. Close and gloomy.
18	·32	·35	58·6	50·1	46·5	62·0	3·0	0·7	·401	·344	82	95	W 1	NW 1	8	8	·080	Dull and close. ● shower p.
19	·37	·44	56·1	50·7	45·0	65·2	2·3	1·7	·382	·325	85	88	NW 2	NW 2	9	5	—	Dull a. Bright p.
20	·51	·56	57·7	51·9	42·8	70·9	3·9	1·9	·364	·336	77	87	WNW 2	NW 1	0	0	—	Fine and hot.
21	·55	·50	60·4	60·2	44·6	73·7	3·0	2·3	·430	·446	82	86	NNW 2	SE 1	4	0	—	Haze on hills.
22	·43	·37	68·4	58·0	53·8	75·2	5·7	4·0	·485	·366	70	76	SE 2	W 1	3	2	—	Bright and breezy.
23	·28	·16	64·8	50·7	50·2	74·9	6·5	0·8	·404	·349	66	94	W 1	W 1	5	0	·066	Bright and breezy.
24	·04	·01	58·2	53·9	46·5	67·9	1·2	0·9	·447	·389	92	94	SW 1	SW 1	10	10	·410	Dull and warm. ● 2 shower.
25	·04	·11	53·9	47·9	45·2	61·1	2·9	2·5	·336	·273	81	83	NE 2	NE 1	9	8	—	Dull and warm.
26	·11	·21	51·8	51·4	41·0	59·9	2·8	1·4	·313	·343	81	90	NW 1	SE 1	10	10	·110	Dull and cool.
27	·20	·12	48·9	49·8	48·0	52·2	0·9	0·8	·323	·336	94	94	NE 1	SE 1	10	10	·014	Cold ●.
28	·00	·02	56·3	48·4	47·0	61·9	3·3	1·5	·360	·303	79	89	SW 2	SW 2	10	4	·260	Cloudy, with ●.
29	·00	·07	53·9	46·0	45·1	59·5	3·5	0·3	·322	·304	77	98	SSW 3	SSW 2	8	10	·140	● showers.
30	·15	·10	54·7	49·1	44·0	58·6	1·7	0·5	·377	·336	89	96	SW 3	SE 3	8	10	·610	● showers n. and during day.
31	29·13	29·26	54·1	48·9	47·0	61·9	2·9	0·9	·339	·323	81	94	SSW 3	SW 2	9	2	·010	● showers.
Mean	29·233	29·252	55·2	50·5	44·9	62·7	3·0	1·5	·356	·330	81·5	89·5	1·8	1·4	8·2	6·4	4·078	

CARMARTHEN.—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·32	29·42	54·7	47·6	43·6	57·0	6·3	3·1	·270	·258	63	79	SE 4	SE 2	8	4	·020	
2	·50	·60	52·7	49·0	43·9	58·6	4·1	1·6	·294	·306	74	83	S 3	S 1	7	10	·170	
3	·60	·63	49·2	49·7	47·6	55·0	1·1	2·1	·322	·304	93	86	SE 2	SE 1	10	10	·130	● showers *a*.
4	·63	·66	53·4	54·1	49·0	62·0	2·0	0·9	·353	·393	86	93	SE 1	SE 1	10	10	·150	Frequent ● showers.
5	·61	·58	59·6	50·2	49·7	60·4	3·7	0·8	·399	·342	78	95	E 1	S 1	10	10	·080	Frequent ● showers noon—3*p*.
6	·66	·60	57·0	51·7	49·0	67·8	3·8	1·0	·357	·357	76	93	N 1	Calm 0	7	0	—	Very fine. < after dark.
7	·58	·56	54·5	49·3	47·0	59·2	1·7	1·5	·375	·313	89	90	W 1	SW 2	10	10	·050	Dull all day. ● showers.
8	·56	·55	52·3	49·7	47·6	53·9	4·3	0·8	·284	·335	73	94	SE 4	S 2	10	10	·290	Dull day. ● *p*.
9	·38	·33	56·7	53·4	49·0	63·1	1·5	3·0	·415	·328	90	80	E 1	SE 6	10	10	·050	Frequent ● showers.
10	·47	·63	52·2	44·8	44·3	57·4	2·8	0·8	·318	·278	81	94	S 4	Calm 0	10	0	—	Dull, then fine.
11	·62	·65	61·0	45·8	37·2	61·4	8·4	3·3	·302	·236	56	77	E 1	Calm 0	4	6	—	Fine day.
12	·69	·69	54·2	49·7	44·0	54·5	3·3	2·3	·331	·299	78	84	N 1	NW 1	9	10	·030	Dull, with ● showers.
13	·68	·67	54·5	50·7	48·6	58·1	2·6	0·8	·353	·349	83	94	SW 1	Calm 0	10	10	—	
14	·63	·59	58·2	49·3	48·6	62·9	5·0	1·1	·344	·323	71	92	S 1	Calm 0	10	0	—	Fine day, with ∞.
15	·62	·69	65·3	52·0	39·3	67·5	8·5	1·8	·358	·340	57	87	Calm 0	Calm 0	6	0	—	Fine day.
16	·77	·75	63·1	52·2	41·6	63·1	6·6	1·0	·373	·364	65	93	SW 2	Calm 0	4	10	·250	Fine day, with ∞.
17	·72	·67	53·9	50·7	50·4	55·2	1·0	0·7	·386	·352	93	95	Calm 0	Calm 0	10	10	·290	Overcast, with ● all day.
18	·70	·74	57·8	46·8	46·8	60·2	3·2	0·8	·384	·301	80	94	S 1	Calm 0	10	7	·050	● showers *p*.
19	·75	·81	60·8	52·7	43·9	67·2	5·4	2·5	·369	·331	70	83	NW 2	NW 1	6	0	—	Very fine.
20	·86	·90	67·9	56·0	43·5	72·7	8·6	6·6	·396	·279	57	62	S 1	Calm 0	2	0	—	Very fine.
21	·90	·83	68·3	56·2	49·0	73·3	7·6	3·3	·428	·358	62	79	Calm 0	Calm 0	0	8	—	Very fine.
22	·80	·73	65·5	55·7	50·8	71·7	7·0	1·5	·400	·400	64	90	S 2	Calm 0	0	0	—	Very fine.
23	·67	·53	68·1	55·1	48·0	71·6	8·4	2·7	·404	·358	59	82	Calm 0	Calm 0	0	1	—	Very fine.
24	·40	·33	59·8	52·4	48·6	64·0	3·4	2·2	·409	·335	79	85	Calm 0	N 3	9	10	·100	Dull, with ● showers.
25	·40	·42	55·9	50·5	50·0	61·2	4·8	5·2	·317	·246	72	68	N 2	N 2	7	0	—	Fine day.
26	·46	·52	65·3	52·6	43·9	67·7	10·9	6·1	·305	·251	48	64	N 1	N 1	4	10	—	
27	·55	·47	52·2	51·0	49·1	54·5	2·8	0·8	·318	·353	81	94	NE 1	Calm 0	10	10	·110	Dull, with frequent ● showers.
28	·36	·36	53·0	50·7	49·5	61·4	1·2	1·3	·369	·335	92	91	S 1	SW 2	10	10	·560	Frequent ● showers.
29	·39	·42	54·7	50·2	48·0	58·8	3·3	1·8	·338	·316	79	88	SW 2	SW 4	8	4	·290	▲. Frequent ● 2 showers.
30	·50	·41	48·4	51·7	47·1	58·5	1·8	1·3	·295	·349	87	91	SW 2	SW 6	10	10	·630	Dull, with ●.
31	29·48	29·60	57·8	51·7	50·2	59·2	3·4	1·4	·378	·346	79	90	S 6	S 3	8	8	·010	Dull day.
Mean	29·588	29·590	57·7	51·1	46·7	61·9	4·5	2·1	·353	·324	74·7	86·3	1·6	1·3	7·4	6·4	3·320	

MARGATE.—MAY 1889.

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

1	29·67	29·63	49·8	46·0	44·1	50·8	2·9	1·8	·287	·269	80	87	S 2	NE 1	10	10	·060	
2	·64	·84	51·9	46·4	45·7	57·4	3·0	0·9	·308	·294	80	94	S 1	S 2	4	0	·010	Fine day.
3	·95	·92	53·9	49·3	40·9	60·2	4·2	2·3	·306	·294	74	84	S 1	SSW 1	5	0	—	Very fine.
4	·89	·84	60·4	52·1	48·3	66·8	5·7	1·9	·357	·339	68	86	S 1	S 1	4	0	—	Fine and warm.
5	·79	·72	58·6	51·9	50·2	65·3	3·4	1·1	·389	·357	79	93	SE 2	E 1	3	10	·010	K 0 4*p*.
6	·71	·72	57·6	53·2	47·9	60·9	2·8	1·2	·393	·371	82	92	S 2	Calm 0	2	8	—	⌒ 6·30*p*.
7	·75	·77	58·0	52·6	51·6	62·0	3·2	1·5	·386	·356	80	90	W 3	W 2	6	10	—	Bright day.
8	·80	·79	53·1	50·4	46·2	64·0	4·1	2·2	·298	·311	74	85	W 2	S 1	10	0	—	Bright and sunny. U 9*p*.
9	·67	·61	58·7	50·0	49·1	61·9	3·8	2·0	·351	·436	78	88	SE 2	S 1	2	10	·280	● 2 6*p*. T
10	·68	·71	52·1	51·6	50·1	62·2	1·8	0·8	·342	·361	87	95	SW 3	Calm 0	10	10	680	K 1*a*. ● 2 all day.
11	·65	·66	50·2	50·1	49·3	52·0	0·6	2·1	·348	·309	96	85	W 3	W 4	10	10	·270	● 2
12	·69	·76	48·2	51·9	47·2	53·5	0·9	1·6	·315	·344	94	89	SW 4	SW 2	10	10	·130	Dull, with ● 0.
13	·79	·81	51·1	51·0	48·7	54·8	0·6	0·8	·360	·353	96	94	SW 2	Calm 0	10	10	·010	Dull day.
14	·78	·73	54·3	46·3	45·2	56·8	2·3	0·0	·357	·315	85	100	SW 1	S 1	10	10	—	≋ *p*.
15	·71	·80	47·0	48·3	45·2	51·3	0·2	0·2	·318	·334	99	99	E 3	E 3	10	10	—	∞ or ≋ 2 all day.
16	·89	·90	50·1	50·5	46·1	65·4	2·0	0·8	·311	·346	86	95	N 2	E 1	6	0	—	Bright and warm.
17	·87	·83	51·3	51·4	46·9	60·0	0·2	0·6	·373	·364	99	96	NE 1	SE 1	10	10	—	≋ 2 *a*. Sunny *p*.
18	·87	·85	54·8	48·3	48·1	61·9	3·7	1·0	·329	·313	77	93	SW 2	WSW 2	10	4	—	Very bright and pleasant.
19	·82	·86	57·0	53·1	45·0	61·4	3·7	0·5	·360	·389	77	96	SSW 1	Calm 0	7	10	·050	Dull day. ● 6*p*.
20	29·96	29·99	54·1	52·6	48·8	58·0	1·1	1·1	·386	·366	92	93	SSW 1	Calm 0	10	8	—	≋ *a*. Fine day.
21	30·01	30·01	52·7	53·1	50·9	57·8	1·4	1·4	·360	·365	90	90	E 2	S 1	9	2	—	Very fine.
22	29·91	29·83	58·0	56·2	52·8	63·9	3·1	2·0	·389	·393	81	87	N 1	Calm 0	0	0	—	Very fine.
23	·77	·67	64·0	61·8	51·7	71·3	4·4	4·1	·449	·421	75	77	N 1	E 2	0	0	—	Very fine and warm.
24	·58	·49	68·0	59·8	54·9	74·0	6·8	2·8	·447	·425	65	83	S 2	SW 2	3	5	·020	Hot day. ⌒ 0 <
25	·47	·52	65·0	54·1	54·1	74·0	4·2	1·0	·470	·389	77	93	SW 3	NE 3	6	3	—	Hot day. <
26	·56	·62	54·1	50·9	50·1	57·5	1·3	0·0	·381	·373	91	100	NE 2	E 2	10	10	—	Dull, with occasional ≋. ≋ 2 9*p*.
27	·60	·61	51·9	56·0	50·1	56·6	0·3	0·2	·379	·443	98	99	N 2	NE 1	10	10	·400	● all day.
28	·61	·64	56·7	54·0	47·2	61·1	2·9	1·8	·377	·366	82	87	SW 4	S 2	6	10	·090	✎ *a*. Very fine. ● 9*p*.
29	·65	·71	55·1	51·7	47·2	60·7	2·1	2·7	·374	·315	86	82	SW 4	SSW 4	7	10	—	Fine, but cool.
30	·81	·81	55·3	50·7	45·3	60·8	3·6	1·7	·338	·327	78	88	SW 5	S 2	7	0	—	✎ *a*. Fine day.
31	29·81	29·87	58·7	51·5	48·4	61·6	4·6	1·0	·361	·331	74	87	S 2	S 1	8	7	—	Mackerel sky. Cloud bow. Pretty [sunset.
Mean	29·752	29·760	55·2	52·1	48·3	60·9	2·7	1·4	·362	·354	83·2	90·5	2·2	1·4	6·9	6·4	2·010	

SOUTHAMPTON.—MAY 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·59	29·60	51·0	45·7	45·7	55·6	3·7	1·9	·283	·265	76	87	SE 4	E 3–5	8	9	·018	Beautiful day, with cool breeze.
2	·63	·84	51·2	47·8	45·3	56·8	2·0	1·0	·325	·308	86	93	SW 0·5	SW 1	10	0	·050	● showers during day. Evening fine.
3	·88	·88	53·5	50·6	46·9	60·8	3·0	2·7	·329	·301	80	81	S 3	SE 3	10	5	—	Beautiful day.
4	·84	·82	59·7	57·8	49·7	68·1	5·9	2·7	·343	·398	67	83	SE 3	NE 1	10	10	—	Beautifully fine and warm.
5	·75	·75	68·6	53·9	52·9	70·9	9·0	1·6	·397	·370	56	89	SE 3·5	NW 0·5	6	0	·030	Beautifully fine and warm. ● 1*p*.–2*p*.
6	·72	·72	56·8	58·2	47·3	74·1	1·8	1·1	·408	·451	88	93	NE 2·5	Calm 0	10	10	·308	● 8*a*. Beautiful *a*. T 2*p*. K 2 till 5*p*.
7	·74	·73	54·4	51·1	50·7	59·5	0·8	0·4	·401	·365	95	97	SE 3	SSW 2	10	10	·233	Very dull day. ● from 8.30*p*. [● 2*p*.
8	·79	·74	53·8	50·2	48·3	60·2	3·2	1·6	·327	·322	79	89	SSE 3	NE 1·5	10	0	·010	Dull *a*. Large U 0*p*.
9	·57	·60	59·8	54·6	48·0	65·7	3·0	2·7	·420	·352	82	82	SE 4	SW 3	10	10	·048	● showers *a*. Fine afternoon.
10	·68	·75	55·4	52·2	49·9	62·9	3·6	2·1	·341	·335	78	86	SW 3	SW 1·5	10	1	—	Fine and pleasant.
11	·72	·75	53·7	51·3	44·0	64·0	2·2	2·4	·352	·318	86	83	NW 1·5	NW 0·5	10	10	—	
12	·77	·80	56·0	52·1	47·4	60·7	5·1	2·3	·315	·320	70	84	NW 2	W 2	10	10	—	Fine and pleasant.
13	·82	·83	53·0	53·6	49·9	58·8	1·7	0·8	·355	·389	88	95	W 2	NW 0·5	10	10	·060	● 0 *p*.
14	·78	·71	55·8	55·6	49·8	65·8	1·2	1·5	·411	·399	92	90	NE 1	NE 2	9	10	·042	● 0 early *a*. Day fine and pleasant.
15	·73	·81	51·7	57·9	49·6	66·2	1·5	1·8	·344	·425	89	89	NE 1·5	NE 0·5	10	10	—	Fine and pleasant.
16	·90	·90	65·4	55·6	52·7	70·3	5·3	1·9	·445	·389	72	87	W 1	SW 1	1	0	—	Beautifully fine and warm. D *n*.
17	·85	·84	60·1	51·8	48·7	67·3	3·2	0·7	·419	·366	81	95	S 2	SW 2	10	10	—	Beautiful day till 5*p*.
18	·87	·86	56·5	52·6	48·2	61·7	3·9	1·5	·348	·356	76	90	SW 2	S 2	9	10	—	Beautiful day.
19	·87	29·88	52·6	55·8	48·5	65·0	1·0	0·3	·369	·437	93	98	NW 1·5	NW 1·5	10	10	·313	● 3*p*.–8*p*.
20	29·97	30·02	60·5	55·5	52·9	66·7	2·5	1·4	·446	·400	85	91	NNE 2	SW 0·5	9	5	—	Fine and very pleasant. D *n*.
21	30·03	30·02	58·9	55·8	50·8	71·5	2·0	1·7	·435	·396	87	89	NE 1	SW 0·5	10	0	—	D *a*. Beautiful day.
22	29·95	29·86	68·6	62·6	48·1	74·1	6·0	3·2	·481	·460	69	81	E 1	W 0·5	1	0	—	Beautifully fine and warm.
23	·79	·68	73·5	63·7	54·0	80·4	8·3	3·8	·503	·463	61	78	SW 1·5	WSW 0·5	0	9	·013	Very warm throughout.
24	·56	·43	64·8	62·1	54·0	73·7	3·8	3·8	·481	·435	79	78	ESE 2	SE 2	7	10	—	Beautifully fine and warm.
25	·47	·51	62·5	60·4	57·1	69·8	2·5	2·3	·480	·450	85	87	E 1	NE 1·5	10	10	·041	
26	·56	·82	56·0	56·4	54·7	62·2	0·8	0·6	·425	·437	94	97	NE 1·5	NNE 2	10	10	1·210	● early *a*., and at times during day.
27	·61	·63	53·5	54·9	51·0	60·1	0·4	1·1	·399	·400	97	94	W 1·5	SW 2	10	10	·027	● 2 (very heavy) *n*. and early *a*. ●
28	·62	·59	56·2	52·5	50·7	60·1	2·3	0·7	·385	·376	85	95	SW 3·5	SW 3	10	10	·207	Fine till 1.30*p*., then ● till 7*p*. [till 11*p*.
29	·63	·70	54·7	49·9	49·4	60·5	1·8	2·2	·377	·304	88	86	SW 4	SW 3	9	1	·103	Beautiful day with drying wind.
30	·79	·76	56·3	53·0	48·9	60·6	4·6	2·8	·329	·327	72	81	SW 4	S 3	7	0	—	Beautiful day with cool breeze.
31	29·77	29·84	56·6	53·0	50·9	61·2	3·6	1·5	·357	·361	77	90	SW 4	SW 2	10	0	—	Beautiful day.
Mean	29·749	29·764	57·8	54·5	49·9	65·0	3·2	1·8	·388	·377	81·1	88·3	2·3	1·6	8·6	6·5	2·713	

BABBACOMBE.—MAY 1889.

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

1	29·24	29·29	50·9	47·0	44·3	53·9	3·1	1·2	·295	·293	80	92	SSE 5	ESE 4	2	9	·050	▲ 2 2*a*. ● *a*. and *p*.
2	·40	·58	51·0	48·8	45·1	58·2	1·7	0·9	·329	·322	88	93	NE 1	SW 4	9	5	·010	≋ 0 (mist) ● showers *a*. D *p*.
3	·56	·57	51·5	49·5	47·6	54·5	1·9	1·6	·330	·313	87	88	S 4	SE 3	9	9	—	Gloomy evening.
4	·55	·58	53·1	50·5	47·6	60·6	2·2	0·5	·344	·355	84	97	S 2	ENE 1	10	9	·030	● showers 9*a*.–1*p*. D 0 *p*.
5	·47	·51	52·9	50·5	47·5	58·6	1·6	0·7	·357	·349	89	95	ENE 2	S 1	10	10	·040	≋ 0 (mist) ● showers. D 0 *p*.
6	·53	·50	57·6	51·4	47·6	65·5	3·7	0·8	·369	·358	78	94	N 3	NNW 4	8	5	·120	● showers. T 0 6*p*. K 7*p*.
7	·49	·52	54·9	49·6	49·5	57·4	1·0	0·8	·401	·335	93	95	NNW 2	SW 1	10	10	·060	Dull, with ≋ 0 (mist) ● · ≋ 0 4.30*p*.
8	·50	·47	50·8	49·0	46·7	54·3	1·3	1·0	·336	·322	91	93	S 3	E 3	10	10	·360	⊕ *p*.
9	·27	·29	50·8	49·7	47·4	52·7	0·1	1·9	·369	·308	99	87	NE 2	S 5	10	8	·110	Dull, with ≋ 0 (mist) till 5*p*. Gloomy
10	·41	·53	57·0	47·0	47·0	60·6	3·8	2·0	·357	·275	76	86	SW 4	WSW 2	7	1	—	Fine day. D. ≋ 0 (mist) *p*. [*p*.
11	·51	·54	58·7	50·4	39·4	64·4	6·8	5·5	·309	·238	62	66	NE 1	NNW 3	2	2	—	D 2 *a*. Fine day.
12	·59	·62	58·8	49·4	44·3	64·8	7·1	2·6	·304	·288	61	83	NW 3	W 2	2	3	—	Fine and clear. D *p*.
13	·61	·60	56·1	51·7	47·6	60·6	4·1	3·6	·338	·293	74	77	NW 2	NE 1	10	3	—	Dull 9*a*.–3.30*p*.
14	·54	·47	56·6	53·4	44·2	60·6	3·6	3·9	·357	·306	77	75	ENE 2	NE 1	2	9	—	⊕ 0 3*p*. Fine during day.
15	·50	·60	56·5	54·8	52·4	63·8	2·7	3·0	·378	·346	85	81	ENE 2	NW 2	9	6	—	≋ 0 (mist) all day.
16	·68	·68	54·6	55·4	51·0	63·6	1·8	2·1	·375	·378	88	87	W 1	NW 1	10	10	·060	Dull, with ≋ 0 (mist).
17	·61	·61	53·8	48·8	48·3	56·2	1·0	0·8	·385	·324	93	94	NE 1	WSW 2	10	9	·260	● 2 3*a*. T 5*a*. Dull, with ≋ 0 (mist).
18	·61	·65	53·8	48·9	48·1	56·6	1·6	1·2	·369	·316	88	92	ENE 2	WSW 1	10	2	—	D *p*.
19	·66	·70	60·9	52·3	43·2	67·7	5·9	2·1	·360	·336	67	85	NE 1	WNW 3	2	0	—	D 2 in past *n*. Fine day.
20	·75	·80	61·6	57·7	48·5	68·3	5·2	3·4	·386	·377	71	79	NE 1	NE 1	0	1	—	*n*. and *p*. Fine day. ∞
21	·79	·76	63·7	57·9	50·2	71·3	5·0	2·1	·425	·416	72	87	NE 1	W 1	1	1	—	*n*. and *p*. Fine day. ∞
22	·71	·65	61·0	55·8	50·2	67·2	4·0	1·9	·410	·389	77	87	NE 1	SW 1	0	0	—	*n*. and *p*. Fine day. ∞
23	·58	·46	64·5	59·9	50·2	71·7	5·9	4·2	·413	·388	68	75	ENE 1	SW 2	0	8	·090	in past *n*. ∞ *a*. < 0 at night.
24	·31	·22	61·3	55·7	54·3	63·5	3·3	0·9	·434	·418	80	94	ENE 2	NNW 2	4	10	·470	K 3*a*.–5.30*a*. ≋ 0 (mist) *a*.
25	·25	·32	54·1	55·0	52·2	57·6	0·3	2·4	·410	·365	98	85	NNE 3	N 2	10	10	·130	Dull and gloomy, with ≋ 0 (mist),
26	·36	·43	53·9	51·8	51·8	62·6	4·5	2·4	·299	·323	71	83	NNW 3	N 3	10	2	—	Dull *a*. ≋ 0 (mist) *p*.
27	·42	·42	55·3	50·5	50·3	58·4	2·4	1·6	·369	·325	84	88	NNW 1	WNW 1	10	10	·040	● showers.
28	·35	·36	53·5	50·7	49·2	59·1	0·6	0·0	·393	·346	95	94	SSW 4	WSW 3	10	3	·180	● showers. ● 2 *p*. ● 2 Midt.
29	·37	·44	53·9	48·5	47·4	57·9	3·7	0·6	·318	·325	76	95	SW 4	WSW 4	8	4	·110	● showers. D 2 *p*. ● 2 11*p*.
30	·47	·44	55·3	51·8	47·1	57·5	3·4	1·8	·343	·338	78	87	SSW 5	SSW 5	8	9	—	Squally ✎ (gale) 1*p*. and 6*p*.
31	29·47	29·58	56·4	50·7	50·6	60·4	3·0	0·9	·369	·346	81	94	SW 4	SW 3	9	2	·010	● showers *a*. D *p*.
Mean	29·503	29·522	56·0	51·7	48·1	61·0	3·1	1·9	·362	·336	80·9	87·4	2·4	2·3	6·8	5·8	2·130	

LONDONDERRY.—MAY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Vapour Tension.		Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·37	29·50	50·4	46·0	44·9	57·3	3·8	1·8	·274	·269	76	87	SE 2	S 2	10	1	·410	▲² showers. ꓘ 3p. < in evening.
2	·52	·43	50·7	49·4	42·9	58·4	3·8	2·0	·277	·303	75	86	SE 3	SE 3	10	10	·170	●² showers during day.
3	·48	·59	51·0	52·7	46·0	56·5	2·3	2·0	·316	·344	84	86	SE 2	SE 2	10	10	·180	
4	·69	·73	51·7	52·7	48·0	57·7	1·9	1·5	·334	·356	87	89	SE 2	SE 2	10	10	·010	
5	·73	·79	56·0	50·4	50·0	61·7	2·3	0·6	·383	·351	85	96	SE 2	SE 1	10	10	·560	Constant ● all day.
6	·84	·76	57·2	52·2	50·0	67·7	2·3	0·5	·400	·377	85	97	NE 2	SE 2	10	0	—	Fine day.
7	·66	·60	57·7	52·0	49·9	62·6	4·0	3·2	·363	·305	76	79	SE 1	S 1	10	10	—	
8	·56	·61	56·0	49·2	47·0	58·5	6·3	2·0	·289	·301	64	86	SW 2	SE 2	10	10	—	
9	·63	·52	53·7	53·2	47·9	56·0	1·5	1·3	·370	·368	89	91	NE 2	S 1	10	10	·230	● showers during day.
10	·46	·68	54·2	50·0	49·0	60·8	3·5	2·3	·325	·302	77	84	SE 2	S 2	10	10	—	
11	·77	·83	50·7	45·7	45·0	58·5	1·7	1·0	·326	·284	88	93	SE 1	SE 2	10	7	·080	
12	·88	·88	47·7	49·9	45·0	51·0	0·7	0·2	·313	·354	95	99	SW 1	N 2	10	10	·340	Constant ● all day.
13	·88	·83	53·9	51·2	48·3	69·0	1·7	1·0	·367	·350	88	93	NNE 2	S 1	10	1	—	Fine day.
14	·76	·70	53·3	47·7	46·0	62·0	3·0	2·0	·326	·282	80	86	NE 1	SW 1	10	2	—	Fine day.
15	·71	·82	54·7	48·7	42·0	60·8	6·5	1·0	·266	·319	62	93	SW 2	SW 1	10	10	—	Fine and clear.
16	·86	·87	56·7	49·7	46·0	58·7	1·0	1·7	·430	·313	93	88	S 2	S 2	10	10	—	
17	·92	·87	56·5	52·2	48·0	61·4	2·3	1·0	·390	·363	85	93	NW 2	N 1	10	10	—	
18	·79	·78	58·4	52·7	47·3	67·0	3·9	1·0	·375	·370	77	93	W 2	NW 2	1	10	—	Fine day.
19	·78	·87	58·9	57·7	49·3	64·0	4·9	2·0	·355	·417	72	87	SW 2	SW 2	10	10	—	Fine day.
20	·93	·98	64·2	60·7	54·0	68·0	0·6	1·7	·579	·475	97	90	S 2	SW 1	4	10	·020	Fine day. ● at night.
21	·98	·90	64·9	56·7	54·0	73·5	9·1	2·8	·339	·378	54	82	SW 2	SW 2	4	0	—	Fine day.
22	·84	·80	58·2	55·2	51·9	66·6	4·0	1·7	·369	·387	76	89	SW 2	SW 2	10	2	—	Fine day.
23	·73	·55	62·7	58·6	52·1	63·2	0·3	2·7	·559	·410	98	83	SW 2	SW 2	10	10	·530	Fine during day. < p.
24	·49	·56	50·0	46·7	45·0	63·5	1·3	1·5	·327	·284	91	89	SE 2	SW 2	10	0	·040	● 1p.
25	·56	·54	54·0	51·0	42·0	61·7	5·0	1·3	·288	·341	69	91	NW 2	SW 2	7	10	—	
26	·59	·73	56·2	50·2	50·0	61·0	5·1	0·5	·316	·351	70	97	SE 2	NE 2	5	0	—	Fine day.
27	·72	·55	60·7	55·7	43·8	70·8	6·0	4·7	·354	·319	67	72	SW 2	SW 2	0	10	—	Fine day.
28	·35	·32	55·4	52·7	42·8	73·4	3·4	2·7	·345	·326	79	82	SW 2	S 1	10	5	·100	● showers during day.
29	·32	·36	54·1	51·7	48·0	64·6	4·4	1·5	·302	·344	73	89	SW 2	SW 2	3	10	·020	
30	·45	·45	54·2	50·7	48·0	61·0	5·5	2·3	·280	·312	67	84	SSE 2	SW 1	7	7	—	
31	29·44	29·49	55·7	53·7	44·0	65·0	3·7	3·0	·343	·331	77	80	SW 2	SW 2	10	10	·020	●⁰ showers. ▲
Mean	29·667	29·673	55·5	51·8	47·4	62·6	3·4	1·8	·351	·341	79·2	88·2	1·9	1·7	8·4	7·3	2·710	

ARMAGH.—MAY 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Air 9 a.m.	Air 9 p.m.	Min.	Max.	Dep. 9 a.m.	Dep. 9 p.m.	V.T. 9 a.m.	V.T. 9 p.m.	% 9 a.m.	% 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	29·25	29·40	51·0	46·0	42·0	54·0	4·0	3·3	·276	·238	74	77	S 2	SSE 2	7	0	·017	
2	·41	·42	49·2	47·9	43·8	54·5	3·1	1·8	·276	·289	79	88	SSE 3	SSE 3	10	10	·232	
3	·36	·50	49·0	49·9	46·3	53·5	1·3	1·2	·315	·328	91	92	SSE 6	SSE 2	10	10	·111	
4	·54	·61	51·4	51·0	47·8	53·6	2·2	1·1	·323	·346	85	92	SSE 4	SSE 2	10	9	·020	
5	·61	·61	55·0	51·4	49·0	59·5	2·0	0·3	·375	·371	87	98	SSE 2	ESE 1	10	10	·612	● 4p.—9p.
6	·69	·61	57·2	55·7	49·0	67·5	0·5	3·8	·453	·341	97	76	NE 0·5	SSW 0·5	10	0	—	
7	·53	·47	56·6	52·5	49·9	61·3	4·4	5·8	·337	·256	73	65	SSW 0·5	SW 1	10	10	·018	
8	·44	·48	52·9	48·2	46·5	55·5	3·8	0·3	·303	·330	76	98	SE 2	SE 1	10	10	·170	
9	·47	·35	50·1	53·4	46·9	57·0	1·3	1·4	·328	·368	91	90	E 1	ENE 1	10	10	·370	
10	·34	·56	53·0	47·6	47·0	55·5	4·3	2·4	·292	·273	73	83	SSE 3	SSW 1	10	10	—	
11	·63	·68	50·9	45·8	40·4	56·5	3·3	1·1	·291	·284	79	93	S 0·5	S 0·5	10	9	·209	
12	·73	·71	48·0	50·0	41·3	51·5	1·0	0·2	·309	·356	93	99	S 0·5	WSW 0·5	10	10	·580	
13	·73	·69	51·9	50·6	48·9	59·9	2·2	0·9	·329	·346	86	94	ENE 1	ENE 0·5	10	8	—	
14	·61	·55	58·6	48·0	43·0	64·5	3·0	0·8	·402	·314	82	94	S 1	SW 1	9	10	·112	T at times, noon—5p.
15	·60	·68	51·6	51·3	44·1	59·0	4·4	3·3	·275	·296	72	78	SW 1	SW 1	8	10	—	
16	·73	·73	55·9	50·2	47·2	59·6	5·1	2·0	·314	·312	69	86	SSW 1	SE 2	10	10	—	
17	·78	·72	56·6	52·0	47·1	59·5	4·7	0·8	·330	·366	72	94	SSE 0·5	Calm 0	10	10	·020	
18	·67	·66	56·3	54·6	46·0	63·5	2·5	2·7	·382	·352	84	82	ENE 0·5	S 1	10	3	—	
19	·69	·76	58·0	56·8	48·7	65·3	3·1	3·8	·390	·354	81	76	S 2	SW 0·5	8	10	—	
20	·82	·86	63·9	61·4	52·0	68·5	5·0	3·4	·430	·434	72	80	SSW 1	S 1	7	10	·020	
21	·86	·77	64·2	60·8	54·3	71·7	5·4	4·1	·423	·405	70	77	S 1	SSE 1	8	0	—	
22	·71	·68	60·9	56·7	50·5	65·0	5·0	3·2	·382	·368	72	80	SW 1	Calm 0	8	10	—	
23	·62	·45	58·2	55·5	51·2	63·5	4·4	2·5	·360	·370	74	84	SW 1	SSE 1	10	10	·050	Overcast all day.
24	·37	·43	48·6	43·6	43·2	56·6	1·0	1·3	·318	·255	93	89	WSW 0·5	Calm 0	10	0	·092	
25	·43	·41	57·2	53·9	38·2	61·9	6·8	5·0	·289	·288	62	69	W 1	WSW 1	7	10	·018	
26	·49	·58	53·8	51·1	49·3	60·9	3·3	4·1	·325	·275	78	73	S 1	S 1	10	1	—	
27	·60	·44	60·0	51·7	39·3	66·0	8·1	3·6	·297	·293	58	77	SE 0·5	S 1	9	9	—	
28	·23	·22	59·6	49·2	47·2	61·6	4·7	0·9	·371	·327	73	94	S 1	SSW 0·5	10	8	·185	
29	·22	·25	53·7	50·0	46·0	60·5	4·6	2·3	·293	·302	71	84	SSW 1	SSW 1	7	9	·008	
30	·35	·33	53·8	47·9	45·0	58·5	5·0	1·8	·287	·289	69	88	SSW 1	SSE 1	9	9	·103	
31	29·33	29·39	52·9	51·7	40·1	62·6	2·3	1·8	·339	·337	85	88	S 2	SSW 1	10	9	·210	
Mean	29·543	29·549	54·8	51·5	46·2	60·3	3·6	2·3	·336	·325	78·1	85·1	1·4	1·0	9·3	7·9	3·157	

MARKREE CASTLE (SLIGO).—MAY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Vapour Tension.		Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·28	29·42	51·2	46·3	42·4	54·3	3·3	1·1	·295	·288	78	92	SE 2	SSE 1	8	10	·490	▲ ● showers during day.
2	·43	·38	50·2	48·8	43·8	59·0	3·0	1·5	·289	·308	80	89	SSW 1	SE 5	8	10	·260	
3	·31	·51	49·3	49·9	46·0	58·3	0·8	1·2	·331	·328	95	92	SSE 5	SSE 1	10	10	·150	
4	·54	·62	51·5	53·5	48·9	59·0	0·3	1·5	·373	·367	97	89	SE 1	SSE 3	10	10	·490	Overcast all day.
5	·65	·71	54·2	47·6	47·0	55·6	2·1	0·3	·361	·323	86	98	SSW 0·5	NNW 2	10	10	·440	Overcast all day.
6	·77	·69	49·3	49·1	47·0	55·8	0·1	0·2	·350	·344	99	98	NNW 2	Calm 0	10	10	—	
7	·58	·50	54·6	51·2	45·5	57·3	5·2	1·3	·294	·343	70	91	SSW 1	SSE 1	10	10	·090	
8	·43	·53	50·2	44·9	44·3	58·3	1·9	1·3	·315	·268	87	91	SE 2	Calm 0	10	9	—	
9	·51	·37	53·8	55·3	39·3	55·9	2·4	1·1	·348	·405	84	92	NNE 1	SE 2	10	10	·360	Overcast all day.
10	·31	·58	52·1	47·4	45·4	56·9	2·7	1·4	·319	·293	81	90	SE 4	SSE 1	10	10	·010	
11	·68	·74	50·2	50·7	40·5	59·5	2·7	1·1	·296	·342	82	92	S 2	Calm 0	9	10	·080	
12	·82	·81	52·4	50·8	42·1	59·0	2·1	1·8	·338	·325	86	87	*SE* 0·5	NNW 1	10	10	·270	
13	·78	·76	53·0	49·4	48·9	59·5	1·9	1·0	·350	·327	87	93	ESE 1	Calm 0	10	10	—	
14	·69	·65	54·1	45·5	38·5	54·6	1·6	1·8	·373	·263	89	87	NNW 1	Calm 0	10	3	—	≋ before 9a.
15	·68	·74	50·2	49·0	38·4	54·8	3·0	1·9	·289	·300	80	87	WSW 1	Calm 0	10	10	—	Overcast all day.
16	·78	·79	54·7	51·3	44·0	55·8	4·6	0·6	·306	·362	72	96	SSE 1	Calm 0	10	10	·240	Overcast all day. ● p.
17	·85	·80	54·3	51·1	47·3	61·3	2·4	1·2	·354	·345	83	91	S 1	NW 1	9	9	—	
18	·72	·72	59·4	53·3	47·1	64·3	5·5	2·5	·348	·338	69	83	SSE 1	SSW 0·5	6	10	—	
19	·72	·81	54·7	54·6	46·2	59·0	3·6	1·4	·331	·386	77	90	S 1	*SW* 0·5	10	10	·010	Overcast all day.
20	·84	·91	59·0	58·0	52·2	65·0	2·1	0·9	·433	·454	87	94	SSW 2	SE 0·5	10	10	·190	Overcast all day.
21	·91	·84	61·2	56·3	50·0	69·1	6·0	1·7	·361	·404	67	89	SSE 1	SSW 0·5	7	10	—	
22	·77	·74	54·3	53·2	51·4	60·0	2·0	2·0	·365	·349	86	86	SSW 2	SSE 0·5	10	9	—	
23	·66	·50	58·1	53·2	51·0	60·7	3·2	1·3	·389	·368	80	91	SSW 1	ESE 0·5	10	10	670	Overcast all day. ● p.
24	·45	·51	49·1	45·6	45·2	54·1	1·7	1·4	·307	·274	88	90	W 1	Calm 0	10	6	—	
25	·51	·47	53·6	51·6	37·2	59·2	1·2	3·6	·378	·292	92	76	NNW 1	SW 2	9	10	·020	
26	·52	·64	52·2	51·2	47·8	64·1	1·1	0·8	·361	·355	93	95	SE 2	Calm 0	10	8	·050	
27	·65	·47	62·2	53·9	40·2	66·8	7·3	2·8	·343	·338	61	82	S 1	SE 2	2	10	·270	≋ before 9a.
28	·27	·26	53·1	50·4	49·8	55·8	0·7	1·1	·385	·338	95	92	NNW 1	SSE 1	10	9	·030	
29	·23	·30	53·4	50·2	46·1	58·5	3·2	1·2	·322	·332	79	92	SSE 2	SSW 1	8	10	·200	● showers.
30	·36	·37	52·8	48·3	44·1	57·7	4·6	0·6	·284	·324	71	96	SSE 1	Calm 0	10	10	·300	● showers.
31	29·38	29·43	54·2	52·2	46·6	62·3	2·1	2·1	·361	·335	86	86	SSE 0·5	SSW 1	8	10	·140	● showers.
Mean	29·582	29·598	53·6	50·8	45·3	59·1	2·7	1·4	·340	·336	82·8	90·2	1·4	0·9	9·2	9·5	4·760	

DUBLIN (PHŒNIX PARK).—MAY 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Air 9 a.m.	Air 9 p.m.	Min.	Max.	Dep. 9 a.m.	Dep. 9 p.m.	V.T. 9 a.m.	V.T. 9 p.m.	% 9 a.m.	% 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	29·30	29·47	50·8	41·4	41·2	55·2	4·0	0·8	·274	·244	74	94	S 2	Calm 0	8	2	·005	●⁰ shower a. Cloudy day. ≋⁰ p.
2	·47	·52	50·6	50·1	37·2	57·9	4·0	2·8	·272	·292	74	81	S 1	SSE 1	9	10	·005	Dull a. Cloudy p.
3	·44	·57	50·1	51·5	48·4	56·0	1·9	2·8	·313	·310	86	81	SE 3	SSE 2	10	10	·005	●⁰ showers a. Dull and squally.
4	·60	·66	50·8	51·9	48·7	57·1	1·8	1·3	·325	·352	87	91	SE 3	Calm 0	9	9	—	Dull a. Cloudy p.
5	·67	·65	55·1	51·6	48·9	57·0	2·5	0·4	·364	·372	84	97	SE 1	Calm 0	9	10	·465	Dull, with ≋⁰ ●⁰.
6	·73	·68	50·3	48·5	48·3	62·4	0·5	0·5	·353	·328	97	96	Calm 0	Calm 0	10	0	—	Cloudy, with ≋² a. Bright p. ≋²
7	·61	·55	54·9	52·0	46·8	57·8	1·5	2·4	·388	·325	91	84	Calm 0	Calm 0	9	8	·005	●⁰ showers a. Cloudy day. [n.
8	·51	·53	52·0	49·1	46·2	56·8	3·1	0·7	·308	·331	79	95	ESE 1	Calm 0	10	5	·100	Dull and cloudy. ≋⁰ p.
9	·49	·36	48·8	53·5	46·6	55·6	0·6	0·6	·331	·393	95	95	ENE 1	E 1	10	9	·370	Dull day, with ●⁰. ●² p.
10	·36	·63	50·3	48·3	45·6	59·0	1·7	3·6	·321	·255	88	75	SE 3	Calm 0	9	4	·005	Dull and squally, with ●⁰ showers a.
11	·67	·73	53·9	48·4	34·7	56·8	4·9	2·3	·289	·283	69	84	Calm 0	Calm 0	5	9	·030	Bright a. Cloudy p. [Cloudy p.
12	·77	·76	45·9	50·5	39·7	53·5	0·7	0·9	·292	·344	95	93	Calm 0	Calm 0	10	10	·445	Dull, with ●⁰.
13	·76	·74	49·7	44·8	44·6	53·1	1·7	0·3	·313	·291	88	98	ENE 1	Calm 0	10	1	—	Dull and cloudy. ≋⁰ p.
14	·67	·60	54·0	52·8	36·3	61·0	1·9	1·3	·363	·364	87	91	Calm 0	Calm 0	9	8	—	
15	·67	·74	54·2	50·4	45·8	58·8	4·9	1·3	·293	·333	70	91	W 1	Calm 0	2	9	—	Bright a. Cloudy, with ≋⁰ p.
16	·77	·80	56·4	53·1	45·8	58·7	2·8	3·0	·375	·324	83	80	Calm 0	Calm 0	9	7	·015	Cloudy a. Dull p.
17	·82	·77	54·9	51·5	47·5	56·8	2·3	1·4	·367	·344	85	90	Calm 0	Calm 0	9	9	·020	Dull, with ●⁰ showers.
18	·73	·73	57·2	49·6	49·1	62·0	2·7	0·5	·389	·342	83	97	Calm 0	Calm 0	8	2	—	≋² p.
19	·75	·81	59·7	53·6	44·3	66·6	5·1	1·0	·363	·383	70	93	SW 1	Calm 0	5	9	—	Beautiful day.
20	·88	·93	61·3	54·8	49·7	67·3	3·7	1·0	·424	·402	78	94	Calm 0	Calm 0	8	8	—	
21	·92	·89	67·2	60·0	51·3	72·3	7·9	3·6	·403	·406	60	78	Calm 0	Calm 0	4	1	—	Beautiful day.
22	·80	·75	56·3	56·2	46·9	68·1	2·9	1·7	·371	·402	81	89	W 1	Calm 0	2	2	—	Beautiful day.
23	·68	·53	60·7	56·7	47·0	64·4	4·3	2·1	·398	·398	75	87	Calm 0	Calm 0	8	9	—	Cloudy a. Bright p.
24	·42	·47	49·6	50·6	48·9	57·1	1·6	4·0	·314	·272	89	74	W 1	Calm 0	10	7	·005	Dull, with ●⁰ showers.
25	·50	·49	54·0	48·4	38·6	60·0	5·6	1·9	·275	·293	66	87	NW 1	Calm 0	4	8	—	Beautiful day.
26	·52	·63	53·8	44·0	38·2	60·2	2·8	1·1	·337	·263	81	91	Calm 0	Calm 0	10	2	·090	Dull, with ●⁰ a. Bright p.
27	·64	·51	58·1	47·8	39·2	61·3	6·8	2·1	·302	·281	63	85	ENE 1	Calm 0	1	2	·060	Beautiful day.
28	·30	·31	54·3	49·8	46·1	61·0	1·4	2·0	·382	·307	90	87	Calm 0	Calm 0	10	1	·130	Dull, with ●⁰ a. Cloudy p.
29	·31	·34	55·1	50·2	46·8	59·6	5·5	0·8	·292	·343	67	95	SSW 2	SSW 1	3	8	·025	Beautiful day.
30	·41	·38	53·1	45·1	42·7	56·7	4·6	0·4	·287	·291	71	97	S 1	Calm 0	9	2	·090	Cloudy, with ●⁰ showers. ≋⁰ p.
31	29·40	29·50	57·1	52·7	44·2	60·8	4·8	1·9	·333	·347	72	88	SSW 1	SSW 2	8	8	·035	Cloudy, with ●⁰ showers. Distant T [●² p.
Mean	29·599	29·613	54·2	50·6	44·7	59·7	3·2	1·6	·336	·330	79·9	89·0	0·8	0·2	7·6	6·1	1·905	

PARSONSTOWN (BIRR CASTLE).—MAY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·25	29·41	50·9	49·9	39·4	57·5	3·0	1·8	·298	·278	80	88	Calm 0	Calm 0	9	7	·060	● 0 10.30a. ≋ 0 (mist) all day.
2	·43	·42	49·7	48·1	42·0	59·4	2·8	1·0	·288	·311	81	93	Calm 0	SE 3	6	10	·163	Fine a., with ≋ 0 (mist). ● from 6p.
3	·29	·48	51·1	49·9	46·0	57·6	1·2	1·0	·345	·333	91	93	SE 3	Calm 0	10	10	·130	● a. Dull day.
4	·49	·60	52·3	51·9	48·8	59·5	1·3	1·5	·357	·346	91	90	SSE 1	SE 2	10	10	·364	● 2 all morning. Dull and damp p.
5	·61	·66	53·8	47·8	47·1	57·9	1·9	1·0	·361	·308	87	93	Calm 0	NW 2	10	10	·786	Dull and mild. ● from 11a.
6	·72	·67	49·8	52·1	46·8	54·9	0·6	1·1	·343	·360	95	92	Calm 0	Calm 0	10	10	—	≋ a. Dull and close.
7	·57	·50	55·8	49·9	40·2	58·1	5·9	2·2	·295	·304	65	86	Calm 0	Calm 0	8	10	·054	Warm, with ≋ 0 (mist) a. ● 0 from 9p.
8	·40	·50	51·8	49·2	46·8	59·8	2·6	2·1	·318	·298	82	86	SE 2	Calm 0	10	10	·090	Dull and windy. ≋ 1 (mist) a. ∞ 2 p.
9	·43	·28	50·1	56·1	44·6	56·2	1·0	1·7	·336	·401	93	88	Calm 0	ESE 2	10	10	·201	≋ 2 (mist) a. Mild, with ● all day.
10	·28	·56	52·0	45·9	45·7	56·7	3·1	2·0	·308	·265	79	85	SE 2	Calm 0	10	0	·014	∞ a. and p. Gusty a.
11	·63	·71	53·9	47·9	42·6	60·2	5·4	1·8	·279	·289	67	88	SE 1	Calm 0	8	3	—	∞ a. Day warm and bright.
12	·77	·78	52·6	49·1	42·4	60·4	4·5	2·3	·283	·293	72	84	Calm 0	W 1	10	10	·024	≋ 0 (mist) a. Day warm and bright.
13	·73	·71	50·7	50·8	46·4	54·1	1·4	2·3	·334	·314	90	85	Calm 0	Calm 0	10	10	·012	Dull and damp, with ≋ 0 (mist).
14	·65	·60	57·8	52·7	47·8	64·6	4·7	2·1	·347	·342	73	86	Calm 0	Calm 0	7	10	—	∞ a. Bright till 6p.
15	·66	·73	52·3	50·5	46·6	62·3	4·8	3·6	·274	·279	70	76	Calm 0	NW 1	9	9	—	≋ 1 (mist) a.
16	·74	·77	55·1	50·1	44·4	59·9	5·0	1·2	·393	·331	70	91	Calm 0	Calm 0	10	10	·119	∞ a. ● p.
17	·79	·76	52·9	52·3	46·9	58·6	3·0	1·8	·323	·344	80	88	Calm 0	Calm 0	10	7	—	Dull and warm a.
18	·72	·72	58·1	54·4	47·7	66·1	5·2	2·4	·339	·356	70	84	Calm 0	Calm 0	2	10	—	Fine and warm all day.
19	·72	·79	55·8	56·8	49·8	65·7	4·9	2·7	·317	·383	71	83	SW 1	Calm 0	9	10	—	≋ 9 (mist) 9a. Fine and warm.
20	·85	·90	62·5	58·3	52·8	68·8	4·2	5·4	·429	·386	76	79	SSE 1	Calm 0	7	10	—	Fine and warm.
21	·89	·83	64·7	58·5	49·8	72·9	7·8	3·4	·368	·389	60	79	Calm 0	Calm 0	3	3	—	Bright and warm.
22	·78	·73	58·6	56·5	49·5	65·7	5·7	2·5	·334	·384	68	84	SW 1	Calm 0	7	9	—	Bright and warm.
23	·67	·50	58·1	50·6	49·3	64·8	5·2	2·8	·339	·378	70	82	Calm 0	S 1	9	10	·209	Bright and warm.
24	·43	·49	49·6	46·9	46·2	59·1	1·7	2·8	·313	·256	88	81	Calm 0	Calm 0	10	0	—	Fine and mild. Cool evening.
25	·50	·48	54·7	51·8	36·5	62·0	5·9	3·7	·279	·292	65	76	NW 1	Calm 0	7	10	—	⌐ 0 a. Bright a. Fine and warm.
26	·48	·59	58·9	51·1	48·8	63·1	6·0	0·9	·331	·352	65	93	Calm 0	Calm 0	9	3	·180	Fine and warm. ● 2 4p.—7p. ≋ 9p.
27	·63	·46	56·4	57·8	38·3	68·1	4·5	3·3	·333	·383	73	80	Calm 0	Calm 0	0	10	·185	∞ 2. Very fine and warm.
28	·28	·28	54·7	49·1	48·8	60·5	1·9	1·3	·374	·316	88	91	WSW 1	Calm 0	10	10	·040	● till 8a. Mild, with ● showers.
29	·27	·34	54·7	48·6	44·8	58·1	5·8	1·4	·281	·307	66	90	SW 1	Calm 0	8	8	·620	● 2 ▲ from 1p.
30	·35	·32	52·0	50·7	41·6	58·3	4·1	1·6	·285	·329	74	89	SE 1	SE 1	6	9	·040	● 2 ▲ 0 1p.—4p.
31	29·38	29·45	54·7	52·8	46·8	61·6	3·6	1·9	·331	·348	77	87	Calm 0	SSE 1	6	9	·024	Mild, with ● showers.
Mean	29·561	29·582	54·4	51·6	45·7	61·0	3·8	2·1	·324	·331	76·7	86·2	0·5	0·5	8·1	8·3	3·315	

SWANBISTER.—JUNE 1889.

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. Gravity Correction, + ·036.

1	29·62	29·73	56·7	51·8	46·1	57·3	3·5	2·4	·360	·323	78	83	S 4	SSE 3	3	10	—	
2	·83	·72	52·5	52·0	48·7	53·3	2·0	0·7	·342	·369	87	95	SE 5	E 4	10	10	·270	Very dark, with ∞. ⌇ 2 ● 2 [—4p. 3.30p.
3	·70	29·73	56·2	51·6	50·7	56·2	1·6	0·6	·405	·366	90	96	ESE 3	SSW 1	7	10	·030	T 2 ● 2 10a.
4	29·92	30·26	56·7	53·2	47·3	64·9	4·1	3·7	·345	·309	75	76	SSE 3	NW 1	0	3	—	Cloud amount 7, 2.30p.
5	30·44	·40	59·0	52·0	44·0	62·6	5·1	2·2	·352	·330	71	85	SSE 1	ESE 1	1	6	—	
6	·20	30·02	56·0	50·1	49·0	58·3	4·0	1·1	·340	·334	75	92	SE 2	Calm 0	1	3	—	
7	30·09	29·93	54·0	49·0	46·9	57·5	4·5	2·7	·299	·283	72	81	W 3	NW 2	5	7	—	Cloudy all day.
8	29·88	·79	52·9	50·4	46·6	57·8	5·6	2·6	·264	·300	67	83	WNW 2	NW 1	4	8	·010	Cloudy all day.
9	·77	·86	51·0	45·0	44·8	55·2	3·5	3·0	·288	·233	77	78	N 3	NNW 2	9	3	·050	
10	·89	·88	52·0	47·3	41·8	59·1	5·4	2·2	·258	·273	67	85	NNW 3	S 1	3	2	—	Cloudy all day.
11	·77	·68	55·5	53·1	45·6	59·9	7·5	2·6	·257	·334	58	82	SSW 2	Calm 0	5	9	·180	
12	·70	·76	56·0	51·4	50·4	57·4	3·6	2·3	·350	·321	77	85	W 3	WNW 2	5	8	—	Cloudy all day.
13	·71	·60	56·3	55·1	47·2	58·7	5·1	3·1	·318	·348	71	80	S 2	Calm 0	3	7	·070	
14	·75	·74	56·5	50·0	49·8	57·9	6·7	2·4	·285	·300	62	84	WNW 2	Calm 0	3	10	·060	
15	·77	29·78	55·0	50·9	44·8	58·7	3·4	1·7	·339	·329	79	88	WSW 4	SW 4	6	10	·080	
16	29·91	30·06	53·0	51·3	50·1	54·3	1·0	1·0	·374	·352	93	93	W 2	W 1	10	10	·010	Fog on hills all day.
17	30·12	·18	53·3	52·4	50·6	57·9	1·1	1·3	·376	·358	92	91	SSW 1	Calm 0	10	9	—	
18	·20	·21	56·5	52·1	51·2	59·4	1·7	0·9	·406	·365	89	93	Calm 0	SE 1	9	2	—	
19	·21	·22	57·0	51·0	48·8	61·1	2·2	0·8	·399	·353	86	94	ESE 1	NE 2	2	10	—	≋ 9p.
20	·20	·15	52·8	51·0	48·7	57·6	2·0	1·2	·345	·343	86	92	ENE 2	ENE 2	10	10	—	
21	·11	·04	52·1	48·2	47·8	56·9	1·4	1·8	·352	·293	90	83	ENE 2	NE 1	10	3	—	Cir.-s. streaming up from N. in a remarkable manner 9p.
22	·07	·15	56·8	51·4	44·1	57·9	4·1	1·3	·347	·346	75	91	NW 3	N 1	2	10	—	
23	·12	·06	53·5	52·1	50·2	55·1	2·5	2·9	·341	·314	83	80	E 2	ESE 2	10	10	—	Overcast all day.
24	·04	·05	51·8	51·5	50·3	53·1	2·0	1·5	·333	·342	86	90	SE 1	ESE 1	10	10	—	Overcast all day.
25	30·07	30·03	52·5	50·3	50·0	56·2	2·0	1·3	·342	·331	87	91	E 1	SE 1	10	3	—	
26	29·93	29·87	60·0	56·7	46·4	65·1	2·5	2·4	·438	·389	85	85	Calm 0	NW 3	1	9	—	
27	·92	·98	56·8	53·0	50·9	62·2	4·3	3·2	·342	·317	74	79	W 2	Calm 0	8	8	—	
28	29·92	29·97	58·4	49·9	49·9	62·1	6·0	1·9	·324	·310	66	87	WNW 1	Calm 0	9	3	—	
29	30·08	30·03	56·8	53·0	48·4	58·1	5·5	1·0	·314	·374	68	93	SW 2	S 2	10	10	·020	Overcast all day.
30	29·99	30·12	59·0	52·5	51·6	59·8	5·0	1·9	·354	·344	71	87	W 4	WNW 4	9	10	·020	Overcast all day.
Mean	29·962	29·967	55·2	51·3	48·1	58·4	3·6	1·9	·340	·329	77·9	86·9	2·2	1·4	6·2	7·4	0·800	

DUNROBIN CASTLE.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·69	29·81	58·2	56·3	53·1	59·2	4·5	2·6	·358	·379	74	83	W	SE	—	—	—	
2	·84	·75	55·5	54·0	52·6	57·6	3·0	1·5	·357	·374	81	90	E	NE	—	—	·310	⌇ 3p.—6p., and during night.
3	·70	29·87	54·5	54·7	53·6	59·6	0·2	1·7	·420	·379	98	89	SE	S	—	—	—	Fine a. T. Dull p.
4	29·93	30·38	58·4	56·7	54·1	66·2	5·4	3·4	·337	·363	69	79	W	N	—	—	—	Fine a. Warm p. Blowy from W.
5	30·48	·42	62·9	58·4	47·6	65·2	7·9	4·9	·338	·350	59	72	S	NE	—	—	—	Fine a. Warm p.
6	·30	·13	57·9	61·2	55·8	63·2	4·6	5·9	·351	·364	73	68	S	S	—	—	—	Fine a. Warm p.
7	30·20	30·14	57·0	53·5	48·4	64·6	6·7	3·0	·289	·329	62	80	S	E	—	—	—	Fine a. Warm p.
8	29·96	29·86	56·0	51·0	48·6	57·6	6·7	9·7	·280	·175	62	47	S	SE	—	—	·160	Fine a. Dull, with ● showers p.
9	·83	·96	54·7	48·3	47·9	58·4	6·7	4·8	·262	·232	61	68	E	SE	—	—	—	Fine day.
10	·96	·90	56·3	50·0	41·5	59·9	7·3	3·7	·271	·271	59	76	N	SE	—	—	—	Fine day.
11	·76	·71	57·9	59·9	49·4	68·8	7·2	6·9	·291	·322	60	62	SW	SW	—	—	—	Dull day.
12	·72	·76	58·0	56·0	54·6	74·3	6·5	7·0	·307	·274	64	60	S	S	—	—	·080	Clear a. ● ≋ 9 (mist) p.
13	·67	·66	57·0	59·4	43·2	68·5	4·7	3·4	·334	·402	72	80	W	SW	—	—	—	Fine day.
14	·72	·72	57·9	52·0	49·1	61·2	7·2	3·9	·291	·289	60	75	W	SE	—	—	·100	Fine a. ● 2 showers p.
15	·80	29·85	58·2	55·3	43·7	64·2	6·2	4·3	·316	·323	65	73	W	SE	—	—	·200	Cloudy day.
16	29·96	30·06	56·0	54·7	54·1	64·9	3·7	4·4	·348	·311	77	73	NW	W	—	—	—	Dull day.
17	30·10	·25	57·3	55·5	50·8	63·9	2·8	2·2	·388	·378	82	86	S	SE	—	—	—	Fine and mild.
18	·27	·26	55·7	53·7	50·6	63·2	1·7	0·0	·395	·414	89	100	S	SE	—	—	—	Fine day.
19	·26	·28	56·7	59·2	51·8	60·4	2·7	8·7	·381	·275	83	54	S	E	—	—	—	Fine day.
20	·26	·23	52·7	57·7	49·1	64·9	2·7	6·7	·328	·298	82	62	S	E	—	—	—	Dull day.
21	·17	·12	52·0	51·5	50·4	59·2	1·5	1·0	·348	·354	90	93	S	NE	—	—	—	Dull a. Fine p.
22	·12	·23	65·6	54·0	50·4	68·8	6·6	1·0	·411	·388	66	93	W	E	—	—	—	Fine day.
23	·17	·11	52·7	53·7	42·5	67·8	1·7	0·7	·351	·392	88	95	SE	E	—	—	—	Dull day.
24	·09	·11	54·0	53·7	52·1	56·4	4·0	2·0	·310	·357	74	87	E	E	—	—	—	Dull day.
25	·12	·10	55·7	54·0	50·4	56·0	2·7	1·0	·368	·388	83	93	E	E	—	—	—	Dull a. Warm p.
26	·02	·04	55·0	58·9	46·7	68·3	1·7	0·6	·383	·478	89	97	E	N	—	—	—	Fine day.
27	·15	·17	56·0	56·7	55·1	64·6	3·0	3·4	·365	·363	81	79	W	E	—	—	—	
28	·11	·13	58·2	57·9	50·4	68·8	5·2	7·2	·340	·291	70	62	W	NW	—	—	—	Fine a. Dull p.
29	·12	·09	57·9	53·5	49·6	67·8	4·2	1·8	·361	·359	75	88	W	N	—	—	·090	Fine a. Dull p.
30	30·11	30·32	57·9	54·7	52·1	63·2	4·6	3·2	·351	·341	73	79	NW	W	—	—	·010	
Mean	30·019	30·048	56·8	55·2	50·0	63·6	4·5	3·7	·341	·340	74·0	78·0	—	—	—	—	0·950	

BRAEMAR.—JUNE 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

30/ 25.2.90

1	28·41	28·59	50·9	52·1	47·2	57·5	2·7	3·6	·305	·298	82	76	SW 2	SW 2	8	6	—	Fine day.
2	·64	·51	52·7	57·3	50·2	60·5	1·2	1·8	·365	·416	92	88	SE 1	SW 0·5	8	4	·380	⌇ noon—4p.
3	·45	28·65	60·6	54·6	53·2	67·3	1·6	5·1	·476	·294	90	70	SE 0·5	SW 2	7	3	·020	T 7a. Fine p.
4	28·87	29·12	53·3	53·6	49·4	64·3	6·5	5·1	·251	·282	62	69	SW 6	SW 0·5	5	3	—	Fine day.
5	29·22	29·21	61·6	54·9	38·4	68·5	8·8	6·9	·302	·261	55	60	SW 0·5	SW 1	2	3	—	Fine day.
6	29·13	28·89	63·6	58·4	41·6	70·5	9·8	2·9	·306	·402	52	82	SW 0·5	SW 0·5	0	7	·120	● 0 showers. ⌇ 10p.
7	28·98	·92	55·8	52·9	47·4	68·0	5·1	4·2	·312	·294	70	73	SW 1	SE 1	6	9	—	T 6p.—8p.
8	·78	·66	51·8	49·7	46·9	62·5	4·8	2·4	·268	·297	70	84	SE 0·5	E 0·5	7	7	—	Fine day. Dull p.
9	·66	·74	47·5	44·2	44·2	55·3	2·0	0·9	·281	·270	86	93	NE 1	NE 1	7	8	·020	Dull and cold, with ● showers.
10	·77	·78	52·1	47·0	39·6	60·5	6·9	2·5	·230	·264	60	83	NE 2	SW 2	3	4	—	Fine and clear.
11	·73	·62	56·3	53·2	38·3	64·5	8·8	5·7	·243	·265	53	66	SW 2	SW 0·5	0	4	·050	Fine and clear.
12	·66	·70	56·3	51·5	48·5	62·2	4·5	5·0	·331	·261	72	69	SW 0·5	SW 1	7	1	—	Fine and clear.
13	·64	·60	56·9	55·1	42·3	61·5	4·4	4·4	·341	·314	73	73	SW 2	SW 2	8	7	·040	Fine and clear.
14	·66	·65	54·3	50·5	50·5	62·7	1·8	5·0	·371	·250	88	68	SW 0·5	SW 0·5	9	4	·100	● a. Fair p.
15	·74	·77	54·0	51·8	42·3	63·0	4·5	4·8	·299	·268	72	70	SW 1	SW 2	8	7	—	
16	28·88	28·95	56·8	54·0	49·2	70·5	6·3	2·7	·296	·342	65	82	SW 2	NE 0·5	2	4	—	Fine day.
17	29·09	29·05	61·4	59·5	41·5	70·8	5·7	4·4	·372	·377	69	74	NE 1	E 0·5	2	8	—	Fine day.
18	·05	·07	66·6	57·5	47·7	71·7	7·5	3·0	·404	·386	62	81	E 0·5	SW 0·5	6	6	—	≋ a. Fine day.
19	·03	·06	54·9	55·4	48·7	71·5	2·2	4·9	·370	·311	86	71	SE 0·5	E 0·5	10	3	—	Fine day.
20	29·04	29·01	57·6	59·5	47·2	73·7	6·1	7·0	·311	·314	66	62	NE 2	SW 0·5	0	0	—	Fine day.
21	28·95	28·96	69·1	64·0	43·3	77·7	9·2	5·0	·399	·431	56	72	SW 1	NE 1	0	6	—	Fine and hot.
22	·94	29·01	70·2	55·2	46·3	73·8	10·7	2·9	·378	·355	51	82	E 1	NE 1	1	1	—	Fine a. Dull p.
23	·98	28·88	52·3	54·3	49·9	67·7	2·8	2·2	·320	·360	81	85	NE 0·5	NE 0·5	8	8	—	Fine day.
24	·92	·99	53·3	56·5	49·5	70·5	1·8	2·7	·357	·379	88	83	NE 0·5	NE 2	10	6	—	≋ 9 (mist) a. Clear p.
25	·93	·93	61·8	62·5	46·3	71·5	4·5	4·0	·410	·435	75	77	NE 0·5	S 0·5	3	8	—	Warm and cloudy.
26	·91	·82	66·9	60·5	46·2	72·9	8·1	5·0	·394	·376	59	72	SW 2	S 1	2	4	—	Warm and cloudy.
27	·83	·88	57·6	55·5	49·1	69·6	6·1	3·0	·311	·357	66	81	SW 1	NE 1	8	3	—	Warm and cloudy.
28	·85	·90	58·4	53·5	40·3	67·5	7·4	5·0	·292	·283	59	69	SW 1	SW 1	6	7	—	Warm and cloudy.
29	·98	28·95	57·6	52·3	42·8	63·9	6·9	3·8	·293	·296	62	75	W 1	SW 1	7	7	—	Cloudy all day.
30	28·93	29·11	55·5	53·8	51·6	64·5	4·0	3·3	·333	·325	75	78	SW 2	SW 1	8	8	—	Cloudy all day.
Mean	28·855	28·866	57·6	54·7	45·0	66·9	5·4	4·0	·331	·325	69·9	75·6	1·3	1·0	5·3	5·2	0·730	

LAUDALE.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·62	29·69	53·0	56·0	51·6	57·2	2·7	5·2	·330	·313	82	69	SW 3	E 6	10	10	·110	● 2 showers.
2	·71	·63	61·6	58·0	54·7	67·4	5·0	0·3	·392	·473	72	98	SE 3	Calm 0	10	10	·820	Squally ● 2 showers. ☇ 2 ● 2 6p.
3	29·71	29·88	58·0	56·0	53·7	64·7	0·8	5·0	·457	·317	94	70	Calm 0	E 6	10	10	—	● till 9a. ● p.
4	30·00	30·32	55·9	52·9	52·0	63·3	4·6	0·9	·325	·375	73	94	SSE 4	Calm 0	10	8	—	Dull and gloomy a.
5	·43	·40	62·6	55·3	48·3	69·1	8·6	2·6	·318	·364	56	83	E 4	Calm 0	1	4	—	Fine and warm all day.
6	·24	·15	64·7	53·9	50·1	73·0	9·4	2·4	·329	·348	53	84	E 2	E 1	2	8	—	Fine and warm all day.
7	30·22	30·14	54·2	48·0	47·5	68·1	5·2	2·2	·286	·281	68	85	N 2	Calm 0	3	2	—	Fine and warm all day.
8	29·95	29·94	54·8	51·0	46·9	67·9	4·6	2·8	·309	·304	72	81	Calm 0	Calm 0	10	10	·150	Dull a. ● p. ≋0 (mist).
9	·77	·88	53·9	57·2	48·0	59·7	3·9	8·9	·311	·249	75	53	Calm 0	NE 3	10	7	—	
10	·96	·97	52·8	49·4	41·0	60·2	2·6	1·8	·330	·307	82	88	Calm 0	Calm 0	0	1	—	Fine and warm all day.
11	·89	·80	57·4	54·0	43·0	64·3	7·2	2·7	·284	·342	60	82	E 1	Calm 0	2	10	·090	Fine and warm all day.
12	·83	·86	52·3	53·0	52·2	58·3	2·1	4·0	·336	·299	85	74	WNW 1	Calm 0	10	10	—	≋0 (mist) all day.
13	·75	·68	60·5	56·0	50·0	62·2	4·7	1·7	·384	·399	73	89	SW 1	SW 1	8	10	·240	Dull a. ● aft. ≋0 (mist) ● 0p.
14	·81	·84	55·8	51·2	47·0	58·9	5·5	3·9	·303	·281	68	75	Calm 0	SW 1	9	10	·100	Close and warm.
15	29·89	29·99	57·0	53·9	48·9	63·0	4·3	2·9	·344	·335	74	81	SW 1	W 2	8	10	·050	● 0 showers a. Dull all day.
16	30·07	30·13	54·2	54·0	51·2	59·0	2·2	1·8	·358	·366	85	87	Calm 0	Calm 0	10	10	·010	Dull a.
17	·18	·22	58·0	57·3	52·2	63·8	5·7	5·1	·325	·329	68	70	Calm 0	Calm 0	7	1	—	Fine and warm all day.
18	·24	·16	55·0	56·0	53·8	63·3	1·8	3·8	·381	·345	88	76	Calm 0	Calm 0	10	1	—	≋0 (mist) a. Fine day.
19	·16	·17	63·2	60·7	55·5	70·8	3·2	3·0	·471	·434	81	83	Calm 0	Calm 0	1	2	—	Fine and very warm all day. ∞0
20	·15	·14	64·0	58·0	54·5	68·0	7·6	2·3	·361	·413	61	85	ENE 1	Calm 0	0	1	—	Fine and very warm all day. ∞
21	·10	·04	67·6	62·0	50·4	74·4	5·6	3·3	·475	·447	70	81	Calm 0	Calm 0	1	0	—	∞ a. Fine and clear all day.
22	·14	·12	57·7	59·8	57·1	64·4	1·5	3·4	·431	·409	90	79	W 1	Calm 0	10	0	—	≋0 (mist) a.
23	·12	·03	59·8	60·2	53·0	66·9	3·4	3·5	·409	·412	79	79	SE 3	ESE 2	10	10	—	∞2
24	·03	·05	64·0	59·2	51·9	69·9	5·6	3·2	·414	·405	69	81	E 1	Calm 0	3	1	—	∞. Clouds moving from all direc-
25	·09	·06	62·4	58·0	49·7	71·5	3·7	2·6	·442	·404	79	83	Calm 0	Calm 0	2	3	—	Fine and very warm, with ∞. [tions.
26	·03	·01	67·8	58·9	52·2	71·2	7·9	4·5	·412	·365	61	74	SE 3	Calm 0	1	7	·050	Day fine and very warm, with ∞.
27	·03	·07	56·4	52·8	52·7	63·0	3·9	3·0	·347	·320	76	80	WSW 2	Calm 0	8	2	—	● 2 4a. Day fine and warm.
28	·00	·08	58·3	54·0	51·6	63·5	5·5	1·3	·334	·380	69	91	W 1	W 2	9	10	·020	● 0 9p.
29	·17	·12	55·4	56·6	50·7	59·2	4·4	4·4	·322	·337	73	73	S 1	SE 3	10	10	·090	
30	30·16	30·34	55·6	53·9	51·2	58·4	3·3	2·3	·352	·351	79	85	W 4	N 3	9	7	·020	Threatening appearance all day. Cold.
Mean	30·015	30·030	58·5	55·6	50·8	64·8	4·6	3·2	·362	·357	73·8	80·4	1·3	1·0	6·5	6·2	1·750	

DUNDEE.—JUNE 1889.

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

1	29·61	29·66	54·4	49·7	49·7	63·8	3·9	0·6	·319	·340	75	96	SW 2	SE 1	10	7	·060	Dull till 2.30p.
2	·67	·55	52·6	54·6	45·8	59·8	1·1	0·5	·367	·413	93	97	SE 2	E 1	10	10	·220	● n. T ● 11.30a.—1.30p.
3	·55	29·74	58·7	56·1	51·3	68·7	1·3	4·0	·452	·342	92	75	S 1	SW 1	10	0	—	Dull till 2p., then fine.
4	29·94	30·20	61·4	56·3	50·1	70·3	5·4	2·7	·379	·377	70	83	SW 2	SW 1	5	0	—	Fine day.
5	30·32	30·30	67·1	54·3	45·4	69·1	7·4	2·7	·415	·347	63	82	SW 1	SE 1	5	5	—	Fine day.
6	·14	29·97	65·5	54·2	47·6	68·3	6·1	0·8	·424	·394	68	94	S 1	S 1	0	10	·280	☇ ● 8.30p.—11p.
7	30·00	·99	53·4	50·6	49·9	64·0	0·8	2·2	·385	·311	94	84	S 1	SE 1	10	10	—	
8	29·79	·65	58·9	50·2	46·3	60·1	4·3	0·7	·371	·346	74	96	S 1	E 1	10	10	·200	● from 4p.
9	·62	·71	57·5	46·9	45·8	57·5	1·0	1·9	·443	·276	94	87	E 2	NE 2	10	10	·030	● n. ● showers.
10	·80	·84	54·4	47·7	40·4	61·5	4·7	1·7	·300	·289	71	88	N 2	NE 1	5	5	—	Fine day.
11	·76	·66	61·4	50·6	41·3	69·8	5·8	1·2	·369	·335	68	91	SW 1	NE 1	0	0	—	Fine day.
12	·65	·68	60·1	57·5	46·4	69·9	3·7	3·6	·405	·369	78	78	SW 2	W 2	10	7	—	Fine day.
13	·66	·59	59·6	57·7	45·6	69·1	4·4	3·3	·378	·381	74	79	SE 1	SW 2	10	10	—	Cloudy day.
14	·65	·65	59·1	55·4	54·3	70·0	2·2	3·9	·432	·334	86	76	SW 1	SW 2	10	10	·020	Dull day. ● 0 6p.
15	·75	·79	59·9	57·5	46·7	69·6	4·4	3·1	·384	·383	74	80	SW 2	W 2	5	7	—	Fine day.
16	29·87	29·95	61·8	54·6	49·8	75·5	5·4	1·4	·385	·386	70	90	W 2	NE 1	5	0	—	Fine day.
17	30·02	30·06	64·8	54·6	48·3	69·8	5·8	0·8	·421	·404	69	95	S 1	SE 1	0	0	—	Fine day.
18	·08	·11	58·2	52·8	52·4	63·9	3·3	0·5	·387	·386	80	96	SE 1	NE 1	10	0	—	Dull till 1p.
19	·08	·07	54·8	52·3	47·5	62·9	1·6	1·6	·384	·349	89	89	SE 1	E 4	10	10	—	Dull till 10a., and from 2p.
20	30·06	30·03	55·8	51·4	51·0	61·9	3·4	1·0	·352	·353	78	93	E 2	E 1	10	10	—	Dull till 10a., then fine.
21	29·99	29·95	52·0	50·4	49·8	63·8	1·1	0·7	·358	·349	92	95	SE 1	SE 1	10	10	—	till 10a., and from 5.30p.
22	·93	30·02	61·3	53·1	49·1	67·6	3·1	1·6	·441	·360	81	89	SE 1	SE 1	5	10	—	till 8a. Dull from 3p.
23	·99	29·97	50·9	51·4	50·5	58·2	0·7	2·5	·355	·317	95	83	SE 1	SE 1	10	10	—	n. and a. Dull day.
24	·94	·94	52·6	53·7	49·1	58·6	2·4	1·5	·332	·370	83	89	SE 1	SE 1	10	10	—	Dull day.
25	·95	·93	60·6	54·2	51·2	68·9	4·2	1·0	·399	·391	76	93	SE 1	NE 1	5	10	—	Fine day.
26	·91	·80	63·0	64·7	49·0	79·4	3·9	4·1	·446	·470	78	77	SW 1	SW 1	0	0	—	Fine day.
27	·84	·86	62·7	59·5	55·1	74·0	4·4	2·4	·427	·432	75	86	SW 2	N 1	10	5	—	Fine day. Cloudy at times.
28	29·87	29·91	59·8	59·4	59·4	73·3	4·6	6·8	·376	·317	73	63	W 1	W 2	5	5	—	Fine day.
29	30·01	30·00	61·2	57·0	49·1	68·7	5·8	4·8	·366	·332	68	71	W 1	W 2	5	10	—	Dull from 2p.
30	29·95	30·13	65·3	58·0	56·0	70·5	5·2	4·9	·446	·345	72	72	W 4	NW 2	5	10	—	
Mean	29·880	29·889	59·0	54·2	49·1	66·9	3·7	2·3	·390	·360	78·4	85·6	1·4	1·4	7·0	6·7	0·810	

GLASGOW.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·55	29·60	55·0	56·0	51·1	60·4	4·5	5·3	·313	·307	73	69	S 3	SSE 1	10	6	—	Squally and cloudy.
2	·56	·51	61·9	54·9	52·9	62·7	3·7	0·9	·434	·404	79	94	E 2	NE 1	10	10	·740	☇ 2 ● 2
3	·54	29·69	56·0	56·1	53·2	64·6	0·5	5·0	·434	·316	97	70	SW 1	S 2	10	10	—	Dull and cloudy.
4	29·91	30·18	59·4	55·1	49·9	66·1	6·3	3·2	·330	·345	65	80	S 2	W 1	6	0	—	Fine and sunny.
5	30·29	30·21	60·1	58·8	47·1	69·2	7·1	6·7	·319	·313	62	63	SE 1	ENE 3	3	4	—	Fine day.
6	30·08	29·93	61·7	59·6	49·9	67·7	8·0	2·9	·321	·421	58	83	ENE 4	NE 1	4	9	—	Fine day.
7	29·98	·94	60·7	54·1	48·9	67·5	6·1	4·3	·352	·306	66	73	W 1	ENE 1	4	7	—	Fine day.
8	·77	·61	55·3	51·0	46·3	61·6	6·1	1·4	·281	·338	65	90	W 1	W 1	10	10	·160	Cloudy, with ● 0.
9	·61	·70	51·3	51·8	49·9	59·7	2·1	2·7	·324	·316	86	82	ENE 1	NE 1	10	10	—	Cloudy day.
10	·79	·79	54·4	51·4	45·1	63·0	7·4	3·4	·245	·294	57	78	N 2	NE 2	4	5	—	Fine day.
11	·73	·64	56·9	53·9	42·2	64·8	6·1	4·3	·302	·304	65	73	SW 1	NW 1	6	8	·010	Fine day.
12	·66	·68	54·8	55·4	50·3	63·1	2·9	3·0	·349	·355	81	81	SW 1	WSW 1	10	10	—	Dull and cloudy.
13	·62	·58	58·8	56·4	51·9	65·2	3·7	3·0	·385	·369	78	81	S 2	S 3	10	10	—	Very cloudy.
14	·65	·68	57·3	51·2	51·2	62·8	3·9	2·0	·358	·324	76	86	WSW 1	WSW 1	9	10	·050	Cloudy, with ● 0.
15	·75	·83	54·9	53·0	46·9	64·7	3·1	3·4	·345	·313	79	78	SW 2	WSW 2	9	7	—	Fine day.
16	29·91	29·95	56·9	53·4	50·9	63·8	4·4	2·5	·342	·340	74	83	W 2	SW 1	8	5	—	Fine day.
17	30·00	30·03	60·9	57·7	46·9	69·8	5·6	3·1	·367	·385	68	81	WSW 2	SW 1	3	0	—	Fine and sunny.
18	·06	·02	57·4	57·9	46·4	71·3	2·3	3·1	·403	·389	85	81	E 1	E 1	10	6	—	Fine day.
19	·02	30·02	59·2	55·2	50·9	67·1	5·0	2·9	·357	·355	71	82	E 1	ENE 2	8	10	—	Fine day.
20	30·01	29·96	54·9	56·1	52·5	67·7	4·0	2·7	·324	·373	75	83	E 1	E 1	10	2	—	Overcast, then fine.
21	29·96	·88	57·1	65·1	50·2	76·6	3·0	5·4	·378	·437	81	71	ENE 1	SW 1	6	5	—	Fine day.
22	·91	·97	69·5	56·2	48·1	77·8	6·9	3·2	·469	·361	64	80	W 1	ENE 2	4	7	—	Fine day.
23	·96	·90	56·7	53·3	53·3	62·9	4·1	3·4	·345	·317	75	78	E 1	ESE 2	10	8	—	Fine day.
24	·90	·88	55·5	55·1	48·2	68·1	2·8	2·2	·362	·371	83	86	E 1	ENE 1	10	3	—	Fine day.
25	·94	·89	56·6	60·4	51·0	72·3	2·3	2·6	·391	·441	85	85	NE 1	E 1	10	8	—	Fine day.
26	·90	·82	66·2	60·0	52·3	73·6	6·5	2·9	·424	·427	66	83	W 1	W 1	8	6	—	Fine day.
27	·86	·87	60·9	56·1	54·9	67·5	5·5	4·6	·369	·325	69	72	W 1	W 1	10	4	—	Fine day.
28	29·85	·92	60·1	55·9	48·3	68·2	6·6	4·3	·331	·320	64	74	W 1	WSW 1	6	7	—	Fine day.
29	30·00	29·99	59·9	56·3	50·4	64·9	6·4	3·1	·334	·365	65	80	W 1	SW 1	10	10	·015	
30	29·99	30·17	60·5	54·1	54·1	62·8	6·0	2·9	·352	·340	67	81	W 3	W 1	7	5	—	Cloudy day.
Mean	29·858	29·861	58·4	55·7	49·8	66·6	4·8	3·3	·355	·353	72·6	79·4	1·5	1·3	7·8	6·7	0·975	

WOLFELEE.—JUNE 1889.

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

1	29·17	29·20	59·5	56·0	44·4	61·5	5·4	4·4	·352	·331	69	73	SW	S	—	—	—	Fine and blowy.
2	·18	·08	64·0	56·5	51·3	67·2	3·4	0·9	·480	·430	80	94	SE	SE	—	—	·450	Fine a. T 2 a. and p. Dull p.
3	·09	·30	58·0	50·0	53·3	64·0	0·9	0·6	·454	·345	94	96	SW	S	—	—	—	Dull a. Fine p.
4	·50	·74	60·0	47·0	44·9	67·6	7·4	1·4	·312	·289	60	90	SW	W	—	—	—	Blowy a. Fine day.
5	·82	·78	66·4	53·0	36·9	68·1	8·8	3·4	·367	·313	56	78	NE	SE	—	—	—	Fine and clear.
6	·65	·51	52·0	57·5	33·0	74·4	1·4	1·4	·351	·430	90	91	ESE	N	—	—	—	Fine p. Distant T 9p.
7	·50	·49	55·0	48·5	52·0	75·2	2·9	0·9	·352	·319	82	93	NE	NE	—	—	—	Fine p.
8	·33	·19	61·5	50·0	31·0	61·8	3·9	1·9	·423	·312	77	87	N	SE	—	—	·020	Fine and clear a. ● showers. Dull p.
9	·14	·22	50·0	48·4	45·4	69·6	1·9	1·3	·312	·308	87	91	SE	NE	—	—	—	Dull a. Fine p.
10	·30	·36	51·0	41·5	40·4	54·3	4·9	1·4	·257	·232	69	89	NE	NE	—	—	—	Fine and clear.
11	·26	·23	57·0	50·0	28·0	60·0	1·4	1·9	·422	·312	91	87	ESE	SW	—	—	—	Fine day. Potatoes frozen.
12	·23	·25	60·0	51·5	40·4	66·1	5·9	0·9	·347	·357	67	93	SW	SW	—	—	—	Fine day.
13	·22	·23	60·0	54·0	40·4	66·1	4·4	2·4	·385	·350	74	84	W	SW	—	—	—	Fine day.
14	·23	·29	58·0	52·0	51·3	72·2	2·4	1·4	·410	·351	85	90	SW	SW	—	—	—	Dull a. Fine p.
15	·32	·38	56·0	50·0	43·4	71·2	3·4	1·6	·355	·319	79	89	W	SW	—	—	—	Fine day.
16	·44	·49	60·5	54·8	45·4	67·5	5·9	2·7	·354	·354	67	83	W	W	—	—	—	Fine day.
17	·54	·58	65·5	58·5	39·3	74·0	5·9	2·4	·429	·417	69	85	NW	W	—	—	—	Fine day.
18	·60	·58	66·8	55·0	43·4	78·0	6·2	2·9	·444	·352	68	82	N	SE	—	—	—	Fine day.
19	·56	·56	57·5	52·0	45·4	76·8	4·4	2·4	·349	·325	74	84	NE	NE	—	—	—	Fine p.
20	·54	·48	59·2	52·0	48·8	60·0	4·1	0·9	·381	·364	76	94	E	NE	—	—	—	Fine day.
21	·49	·45	54·0	61·0	46·4	70·2	1·9	1·9	·363	·473	87	89	SE	SW	—	—	—	Fine p.
22	·47	·54	70·5	53·0	45·4	77·0	3·4	1·4	·608	·363	81	90	NW	W	—	—	—	Fine day.
23	·49	·46	53·0	49·5	48·3	76·2	3·4	0·9	·313	·331	78	93	NE	NE	—	—	—	Fine day.
24	·45	·46	53·5	53·5	40·4	68·2	2·4	1·4	·343	·370	84	90	NE	SSE	—	—	—	Fine day.
25	·49	·47	57·0	56·0	37·7	70·2	3·4	1·4	·367	·408	79	91	E	SE	—	—	—	Fine day.
26	·47	·41	71·2	57·5	50·3	77·6	7·6	2·9	·480	·389	62	82	W	SW	—	—	—	Fine day.
27	·42	·41	64·0	58·0	51·3	79·7	5·4	3·4	·420	·383	70	79	W	SE	—	—	—	Fine day.
28	·41	·47	65·0	56·5	41·4	74·7	7·4	2·4	·381	·387	61	85	NW	W	—	—	—	Fine day.
29	·55	·55	65·0	56·0	42·4	74·7	7·4	2·4	·381	·381	61	85	W	SE	—	—	—	Fine day.
30	29·55	29·68	60·0	54·0	51·3	72·2	2·9	2·4	·426	·350	83	84	W	NW	—	—	—	Fine p.
Mean	29·413	29·427	59·7	53·1	43·8	69·9	4·3	1·9	·387	·355	75·3	87·4	—	—	—	—	0·470	

SCARBOROUGH.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·75	29·74	59·7	52·6	47·5	64·6	4·9	1·5	·367	·356	72	90	S 4	S 3	4	6	·040	Bright day.
2	·67	·49	53·6	59·6	50·0	64·3	0·3	1·5	·403	·461	98	91	NE 2	SE 2	10	5	·120	≋9 (mist) *a.* Bright later.
3	·55	29·73	70·6	59·6	59·6	70·6	3·3	1·3	·613	·467	82	92	SW 2	E 1	5	0	—	T *3a.* Bright *a.* and *p.* Dull midday.
4	29·97	30·21	65·6	58·6	52·0	70·8	6·3	3·3	·421	·393	67	80	W 2	S 1	4	0	—	Fine and bright.
5	30·28	30·17	60·4	52·6	52·6	66·3	5·6	1·3	·360	·361	68	91	NE 2	NE 4	0	10	·030	Bright day. Evening overcast.
6	30·06	29·95	53·1	52·4	51·2	57·0	1·8	0·3	·355	·385	87	98	N 3	NW 1	10	1	·030	≋9 (mist) *a.* Very fine.
7	29·91	30·03	57·6	51·8	48·0	60·5	1·6	0·6	·427	·369	89	95	N 5	NE 4	7	8	—	≋ *p.* [and ≋ *p.*
8	·82	29·67	55·0	51·9	50·0	58·8	2·3	1·6	·367	·344	85	89	N 2	E 1	5	10	·030	T *6a.* Fine *a.* Dull, with cold wind
9	·57	·61	52·6	49·6	49·0	53·3	0·7	0·8	·377	·334	95	95	NE 2	NE 4	10	10	·100	Fine and bright, but with cold wind.
10	·69	·77	50·8	50·3	48·8	54·3	3·3	2·6	·289	·299	78	82	NE 5	NE 3	9	10	—	Dismal, with ● 9 all day.
11	·78	·74	52·3	50·9	48·5	57·3	3·3	1·3	·306	·339	78	91	NE 3	S 1	9	9	—	Cold wind.
12	·72	·74	60·6	58·5	50·3	65·0	5·5	3·2	·364	·394	70	81	SW 2	SW 1	4	0	—	Fine, but with cold wind.
13	·73	·69	67·4	61·8	56·0	72·3	8·0	3·2	·403	·446	60	81	S 1	SW 1	0	3	—	Fine and warmer.
14	·74	·70	64·6	63·0	51·7	72·8	5·2	2·7	·434	·482	72	84	SW 2	S 2	7	10	—	Brilliant, and very warm.
15	·80	·86	58·0	54·3	54·0	63·5	5·0	2·0	·342	·365	71	87	N 3	SW 1	5	2	—	Fine and hot. Afternoon overcast.
16	29·91	29·98	64·1	54·3	51·3	64·1	6·3	2·2	·397	·360	66	86	E 1	E 1	1	1	—	⊕ *6a.—7a.* Fine, but with cool wind.
17	30·05	30·06	62·2	56·9	49·0	62·3	4·2	2·6	·424	·388	76	84	E 2	SW 2	0	5	—	Very fine. ∞. [blue sea.
18	·10	·07	58·1	53·6	52·0	62·5	2·8	1·3	·400	·374	83	91	E 2	E 1	9	10	—	Brilliant, but with cool wind. Intensely
19	30·02	30·00	56·0	52·9	52·5	59·7	3·6	0·0	·364	·401	81	100	N 3	N 2	10	10	·020	Brilliant, but with cool wind. Overcast
20	29·99	29·96	59·2	54·6	52·4	60·8	3·2	0·7	·404	·406	81	95	NE 3	N 4	1	10	—	Fair *a.* ≋ ● showers *p.* [from *6p.*
21	·97	·94	55·5	53·0	53·0	60·5	1·5	0·6	·396	·385	90	96	NE 3	NE 2	10	10	—	Brilliant till noon, then overcast.
22	·92	·96	57·1	54·1	49·6	60·3	1·8	1·9	·413	·365	88	87	NE 4	NE 4	2	10	—	Dull *a.* Brilliant midday. Overcast *p.*
23	·95	·91	58·4	54·6	53·0	62·5	2·0	1·3	·427	·388	87	91	NE 3	NE 2	2	5	—	≋ before *9a.* Bright day.
24	·93	·94	57·4	54·6	53·0	62·2	2·9	2·8	·386	·348	82	82	NE 3	E 1	9	7	—	Brilliant day.
25	·96	·97	59·8	56·8	53·0	62·7	4·2	1·5	·388	·416	75	90	NE 2	SE 2	8	10	—	Fine and bright.
26	·96	·91	71·4	61·1	50·5	74·3	10·1	6·0	·410	·360	53	68	SW 2	SW 2	0	3	—	Fine day. Sea ≋.
27	·88	·91	70·6	59·6	57·0	71·3	9·8	3·0	·406	·418	54	82	SW 2	SE 2	3	4	—	Brilliant day.
28	29·89	29·98	62·0	62·8	53·5	73·3	5·2	7·5	·393	·346	71	61	S 2	SE 2	9	10	—	Brilliant day.
29	30·03	30·07	61·6	56·8	56·0	66·3	6·5	2·5	·355	·388	65	84	NW 4	N 2	8	2	—	Dull day.
30	30·05	30·12	63·6	60·0	53·5	72·8	5·1	6·3	·421	·349	72	65	SW 2	NW 2	8	8	—	Very fine.
Mean	29·888	29·895	60·0	55·8	52·0	64·2	4·2	2·2	·394	·383	76·5	86·3	2·6	2·0	5·6	6·1	0·370	Fine day.

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JUNE 1889.

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

1	29·62	29·63	56·5	56·6	49·8	58·6	3·5	4·6	·358	·332	78	72	SSE 5-6	SSE 5	7	3	·043	Squally ↙.
2	·56	·56	57·7	55·8	53·5	61·6	0·5	0·6	·461	·428	96	95	ESE 3	ESE 1	10	9	·038	● ≋9 (mist) *a.* Dull day. T *3p.*
3	29·65	29·78	55·2	53·6	51·2	58·2	1·3	1·6	·398	·366	91	89	SW 4	S 5	7	10	—	Fine day.
4	30·01	30·23	57·6	51·0	50·5	61·6	2·8	1·0	·392	·348	82	93	S 5	N 1	9	2	—	Very fine. ☾2 *p.*
5	·33	30·21	64·0	56·8	44·8	66·3	6·7	3·6	·384	·359	64	77	SE 3	WNW 2	2	8	—	≋9 (mist) *a.* Very fine.
6	·07	29·96	65·7	57·0	41·8	69·5	8·7	2·0	·359	·405	57	87	E 1	NNW 5	2	10	·133	Fine *a.* K2 ●2 from *5p.*
7	30·00	·99	57·6	51·1	50·5	62·8	3·5	1·6	·374	·335	79	89	N 6-7	NNW 4	2	2	—	Squally ↙ *a.* Very fine.
8	29·83	·66	58·0	52·2	47·2	60·7	6·2	0·4	·314	·380	65	98	W 3	SSW 2	3	10	·007	Fine *a.* Dull, with ● showers *p.*
9	·61	·68	58·8	55·0	49·3	61·6	3·6	3·0	·388	·322	78	80	N 3	NE 4-5	7	8	·020	Cloudy. ● *3p.—3.30p.*
10	·81	·84	54·0	45·0	45·0	58·8	6·0	2·0	·267	·253	64	85	NE 5	N 3	4	1	—	Squally ↙ *a.* Very fine.
11	·81	·74	56·0	46·2	39·5	61·7	5·0	1·2	·317	·285	70	92	SSE 3	Calm 0	2	7	—	Very fine. ☾ *p.*
12	·76	·76	55·2	52·8	43·4	58·7	1·4	0·8	·395	·377	91	94	WSW 3	WSW 1	10	10	·010	● *10a.* Dull day.
13	·72	·70	55·5	53·8	45·0	58·8	2·0	1·5	·384	·371	87	89	S 4	SW 5	10	10	·122	Cloudy. ● from *8p.*
14	·74	·76	58·3	52·8	52·2	59·7	2·4	0·8	·414	·377	85	94	NNW 1	NW 2	8	10	·023	Dull day. ● from *7p.*
15	·84	29·92	57·2	50·4	50·0	64·2	3·3	1·2	·372	·335	79	91	NW 2	NW 2	7	3	—	Dull *a.* Fine afternoon. ☾ *p.*
16	29·98	30·02	58·7	52·0	50·2	63·4	4·1	1·8	·374	·340	76	87	NNW 2	N 2	6	3	—	Very fine.
17	30·07	·07	61·0	56·8	45·2	65·8	4·0	2·3	·410	·394	77	85	ESE 2	WNW 3	2	3	—	Very fine.
18	·09	·02	63·0	64·6	54·2	73·6	3·0	3·6	·474	·484	82	80	SE 3	NW 1	3	10	—	Very fine.
19	·05	30·02	56·4	57·2	54·2	64·7	1·2	2·2	·419	·403	92	86	ESE 3	NNE 1	10	9	—	Dull *a.* Fine afternoon.
20	30·02	29·98	55·8	64·0	54·1	68·4	2·2	5·3	·383	·423	86	71	SE 3	ENE 1	10	1	—	Dull till 10*a.*, then very fine.
21	29·98	29·95	66·3	57·0	48·0	70·3	8·6	2·5	·371	·391	58	84	ESE 1	WNW 2	1	3	—	Very fine.
22	·98	30·00	70·9	60·4	51·2	74·2	6·9	2·6	·495	·441	65	85	WNW 3	NW 3	1	7	—	Very fine. ☾ *p.*
23	·98	29·91	59·0	51·8	51·8	63·0	4·0	1·0	·380	·359	76	93	E 3	N 1	6	3	—	Very fine.
24	·93	·92	58·7	54·0	51·5	66·7	3·7	2·0	·384	·360	78	86	ESE 3	N 1	3	6	—	Very fine.
25	·97	·96	62·1	57·3	54·0	70·0	3·8	2·3	·435	·401	79	85	ESE 3	N 1	4	6	—	Very fine. ☾ *9p.*
26	·97	·92	62·3	56·8	56·0	68·8	4·2	2·1	·426	·400	77	86	SSE 1	Calm 0	0	6	—	≋9 (mist) *a.* Very fine.
27	·93	·94	65·3	52·1	52·1	68·4	4·9	0·6	·455	·374	74	96	NW 3	N 2	2	7	—	Very fine.
28	29·92	29·95	64·1	52·6	49·1	68·0	6·1	1·3	·402	·361	67	91	S 2	Calm 0	3	0	—	Very fine. ☾ *p.*
29	30·08	30·09	61·2	56·0	51·5	65·3	3·5	1·5	·428	·405	80	90	NW 2	Calm 0	8	7	—	Fine day.
30	30·10	30·26	61·7	53·8	53·8	64·3	3·0	2·2	·451	·353	83	85	WNW 4	NNW 5	10	6	—	Dull day.
Mean	29·913	29·914	59·8	54·5	49·7	64·6	4·0	2·0	·395	·372	77·2	87·2	3·0	2·2	5·3	6·0	0·396	

STONYHURST.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·47	29·47	55·0	56·3	45·1	64·4	5·2	4·2	·298	·339	69	74	S 3	SbyE 1	10	2	·480	Overcast *a.*
2	·39	·33	58·3	59·2	55·1	72·7	0·7	0·9	·465	·474	95	95	E 1	Calm 0	10	10	1·400	K2 ▲2 ●2 *8a.—9a.*, and *3.45p.—5p.*
3	·40	29·58	62·2	58·0	55·4	65·0	3·6	5·8	·441	·323	79	67	WSW 2	SW 1	9	8	—	Fine and sunny *p.*
4	29·81	30·01	62·0	55·4	52·7	65·7	8·0	3·3	·323	·348	58	80	SWb.W 1	Calm 0	5	2	—	Clear and sunny.
5	30·06	30·00	66·1	57·1	47·9	72·1	6·1	6·6	·433	·293	68	63	NEbyN 1	NEbyN 1	0	0	—	Fine and sunny. ∞
6	29·84	29·71	64·8	67·0	49·0	74·9	5·6	4·4	·427	·502	70	76	NNE 1	EbyN 1	3	0	—	Fine and sunny.
7	·68	·73	68·9	53·7	53·0	71·8	4·5	3·9	·533	·399	75	75	WbyN 1	NEbyN 1	4	10	—	≋ before *9a.* Overcast *p.*
8	·59	·45	62·8	52·7	51·7	68·0	7·2	2·7	·354	·326	63	82	Calm 0	SWbyS 1	7	10	·028	Fine and sunny *p.*
9	·35	·40	56·3	51·3	49·7	60·1	5·1	3·0	·318	·303	69	80	NNE 1	NEbyN 1	10	10	·008	Overcast.
10	·51	·57	51·7	49·7	47·2	58·1	6·0	4·2	·243	·259	64	72	NEbyN 2	NEbyN 1	9	10	—	
11	·57	·51	52·2	54·3	45·3	62·9	4·7	3·6	·275	·325	71	77	NE 1	NEbyN 1	10	10	—	Overcast.
12	·53	·55	61·0	54·5	47·7	65·3	6·2	2·5	·353	·354	66	83	NE 1	WSW 1	7	5	—	Fine and sunny *p.*
13	·51	·51	62·8	55·2	47·5	67·7	6·6	2·9	·368	·355	65	82	WSW 1	Calm 0	0	5	—	≋ before *9a.* Fine and sunny.
14	·53	·53	57·7	54·6	52·0	62·8	3·4	1·4	·378	·386	79	90	SW 1	W 1	10	10	·088	Overcast and gloomy.
15	·60	·67	59·8	53·2	50·6	63·5	6·2	2·9	·337	·328	66	81	NWb.W 1	W 1	10	7	—	Overcast.
16	·71	·76	62·0	53·0	43·9	63·8	5·2	1·7	·394	·355	71	88	SW 1	Calm 0	2	2	—	Fine and sunny.
17	·82	·83	63·2	58·5	46·6	70·1	5·2	2·6	·412	·411	71	83	Calm 0	Calm 0	0	5	—	Fine and sunny *a.* Cloudy, with ∞ *p.*
18	·83	·83	66·7	59·3	48·3	72·1	5·7	4·2	·456	·380	69	75	Calm 0	E 1	0	3	—	≋ ∞ *a.*
19	·80	·77	55·8	55·8	52·1	61·6	4·5	2·7	·326	·370	73	83	ENE 1	NEbyE 1	10	10	—	Overcast.
20	·75	·72	61·7	59·3	52·3	73·0	6·4	4·6	·358	·369	65	73	EbyN 2	NE 1	4	0	—	Fine and sunny.
21	·75	·72	61·0	62·0	49·8	72·0	5·0	4·2	·385	·421	72	76	E 1	Calm 0	8	3	—	Sunny day.
22	·71	·74	69·1	59·5	52·9	76·4	6·0	9·2	·488	·269	69	52	SW 1	NNE 1	1	8	—	Sunny *a.* Overcast *p.*
23	·74	·69	57·5	58·5	47·0	70·2	5·0	3·9	·334	·376	71	76	NE 1	EbyN 1	10	3	—	Overcast *a.* Sunny *p.*
24	·70	·70	61·5	60·0	49·2	69·1	6·3	4·9	·357	·372	65	72	NE 1	E 1	0	2	—	Fine and sunny.
25	·74	·73	61·9	63·0	50·4	70·5	5·9	2·5	·373	·490	67	85	NE 1	Calm 0	5	5	—	
26	·74	·70	65·9	59·1	53·0	72·4	5·5	3·6	·447	·393	70	78	Calm 0	Calm 0	8	1	—	Cloudy and sultry *a.*
27	·68	·68	67·8	59·2	50·7	72·0	6·7	4·1	·446	·381	66	76	SW 1	Calm 0	10	3	—	Fine and sunny.
28	·68	·75	66·0	59·2	52·3	72·1	6·3	3·5	·426	·397	67	79	Calm 0	Calm 0	3	2	—	
29	·84	·87	65·3	56·8	51·0	68·3	7·4	3·8	·386	·354	62	76	WbyN 1	Calm 0	3	3	—	
30	29·88	29·96	63·1	57·2	52·0	64·0	5·3	3·7	·408	·362	71	77	WbyS 3	WbyN 1	10	10	—	Overcast.
Mean	29·674	29·683	61·7	57·1	50·0	68·1	5·5	3·7	·385	·364	69·5	77·5	1·1	0·6	5·9	5·3	2·004	

HILLINGTON.—JUNE 1889.

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

1	29·88	29·84	61·1	54·7	44·7	69·6	5·4	1·2	·373	·393	71	92	SSE 2	SE 3	2	0	—	Very fine and sunny. ☾ *p.*
2	·65	·59	76·7	69·4	53·2	84·8	7·3	3·7	·603	·572	66	80	SE 5	SSE 1	5	9	·200	≋ early *a.* Very fine and sunny.
3	29·69	29·99	67·1	57·0	56·1	73·3	3·5	3·3	·533	·369	81	79	SW 3	SW 2	7	0	—	[☾9 *p.* K2 ●2 *9p.*
4	30·12	30·22	65·0	57·2	47·1	73·1	4·4	1·0	·467	·437	76	93	SW 2	SW 2	5	0	—	☾ *p.*
5	·38	30·20	65·5	52·5	48·3	67·6	7·8	0·7	·378	·375	61	96	NE 3	NE 3	0	10	—	Very fine and sunny. ☾ *p.*
6	30·14	29·97	65·0	57·0	52·1	78·3	2·9	0·8	·516	·441	84	94	NE 2	NE 3	4	3	1·220	Very fine and sunny. ☾ *p.*
7	29·91	30·02	62·5	52·5	51·6	64·4	0·9	0·0	·533	·396	95	100	NE 1	NE 2	8	10	·067	Violent K2 ●2 *2a.—5a.* Cloudy all
8	·88	29·73	54·2	52·8	51·9	57·4	0·4	0·8	·409	·377	98	94	NE 3	NE 1	10	10	—	[day.
9	·60	·58	53·6	52·1	50·1	58·1	0·8	0·4	·388	·378	95	97	NE 1	NE 5	10	10	·338	Overcast all day. ☾ *p.*
10	·64	·76	48·9	50·0	48·5	53·2	0·3	1·3	·339	·327	98	91	NE 7	NE 7	10	10	·250	Overcast all day. ↙ (gale) *n.*
11	·80	·82	51·5	53·1	48·8	56·5	0·7	0·6	·362	·386	96	96	NE 4	NE 1	10	10	·003	●2 *5.30a.*—noon. ☾ *p.*
12	·84	·85	56·7	52·5	50·8	69·5	3·0	0·5	·373	·378	81	97	NW 0·5	S 0·5	10	5	—	Overcast and gloomy. ☾2 *9p.*
13	·84	·81	64·1	57·9	43·2	71·1	4·5	1·2	·447	·443	75	92	SSW 3	SW 1	5	5	—	Distant T noon. ☾2 ≋9 (mist) *p.*
14	·86	·84	63·4	57·8	47·4	70·4	5·1	1·1	·416	·444	72	92	SW 1	W 1	1	7	—	☾ ≋9 (mist) *p.*
15	29·88	29·93	57·9	53·7	53·7	65·5	2·3	1·9	·410	·360	86	87	NE 2	NE 1	10	10	—	Magnificent day. ☾ *p.*
16	30·00	30·03	66·6	53·3	47·0	72·5	6·9	0·9	·421	·381	65	94	NE 2	NE 3	0	10	—	Very overcast. ☾ *p.*
17	·13	·14	60·1	52·4	47·0	70·2	3·4	0·7	·413	·374	80	95	NE 3	NE 2	9	0	·003	Very fine and sunny. ∞ ☾
18	·15	·11	58·8	53·2	45·4	62·2	4·0	3·4	·377	·316	76	78	NE 5	NE 3	10	10	—	☾ *p.*
19	·01	30·02	57·9	53·2	51·2	63·2	4·5	2·5	·352	·338	73	83	NE 3	NE 3	10	10	—	Bright early *a.*, then overcast.
20	·02	29·98	57·2	53·5	52·1	62·9	1·5	0·0	·421	·410	90	100	NE 3	NE 3	10	10	·003	Overcast *a.* and *p.* ☾ *p.*
21	30·02	30·02	56·0	51·8	51·7	62·4	5·1	0·2	·312	·379	70	98	NE 2	NE 2	8	10	·004	☾2 ≋9 (mist) *p.*
22	29·98	29·99	59·5	53·1	49·6	67·5	1·9	2·4	·449	·339	89	83	E 2	NE 4	7	10	—	Overcast from 4.30*p.* ☾2 *p.*
23	·97	·95	57·0	56·3	53·0	67·6	1·5	0·7	·419	·431	90	95	NE 5	NE 4	10	10	—	Overcast, then very fine and sunny.
24	·96	29·96	57·6	56·6	51·2	64·7	1·9	0·8	·418	·434	87	95	NE 3	NE 2	10	10	—	Fine *a.* ☾ *p.* [☾ *p.*
25	29·99	30·02	61·9	55·0	55·0	73·4	2·3	1·9	·475	·377	87	88	NE 1	E 1	10	2	—	Very overcast. ☾ *p.*
26	30·04	30·00	69·2	56·5	46·5	74·5	6·6	1·8	·472	·404	65	88	NE 1	NE 1	0	2	—	☾ *p.*
27	29·95	29·96	71·2	57·7	47·8	78·2	8·7	3·9	·449	·365	58	77	E 0·5	ESE 0·5	0	10	—	Very fine, sunny, and hot. ☾ *p.*
28	29·98	30·01	70·8	62·0	46·1	78·0	9·2	4·3	·427	·418	56	76	SE 1	SE 1	4	10	—	Very fine, sunny, and hot. ☾ *p.*
29	30·09	·15	68·8	57·7	55·1	73·7	5·1	0·5	·512	·461	73	96	NW 0·5	N 0·5	0	10	—	☾ *p.* [T *6p.*
30	30·18	30·20	66·7	62·2	48·3	76·3	6·0	3·6	·447	·444	69	79	NW 3	NW 1	6	10	—	Sky covered with white ∞. Distant
Mean	29·952	29·956	61·8	55·5	49·8	68·7	3·9	1·5	·430	·398	78·8	90·2	2·5	2·2	6·4	7·4	2·088	Heavy clouds, with ∞ *5p.*

CHURCHSTOKE.—JUNE 1889.

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

Day.	Barometer at 32° Faht.		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	29·29	29·26	55·9	57·4	44·8	64·5	1·1	4·4	·415	·348	93	73	SSE 2	SE 2	8	10	·220	Cloudy.
2	·13	·14	62·0	59·0	54·8	72·1	1·1	2·0	·516	·436	93	88	SE 1	SW 1	10	10	·010	Very close. Distant ⊤.
3	·26	·43	60·4	55·1	47·9	72·1	4·0	3·1	·401	·348	76	80	SW 2	SW 2	5	8	—	
4	·63	·83	62·0	51·9	49·2	70·3	2·2	1·1	·480	·357	87	93	WSW 3	NW 1	4	4	—	Bright and breezy.
5	·85	·76	64·0	52·9	44·5	71·2	4·3	1·9	·453	·349	76	87	NW 2	E 1	0	0	—	Haze on hills.
6	·64	·50	55·9	60·8	46·8	75·7	1·9	1·9	·389	·469	88	88	N 1	NNE 2	10	2	—	∞
7	·50	·51	67·0	58·2	51·4	70·9	4·1	1·2	·511	·449	78	92	NNE 2	N 1	2	10	—	Haze on hills. Bright and breezy.
8	·39	·23	60·0	53·9	50·0	69·4	3·0	1·9	·424	·362	82	87	N 2	NW 1	4	6	·140	∞ [Distant ⊤.
9	·15	·16	52·9	50·4	49·6	56·9	1·1	0·4	·370	·356	93	97	NW 2	NE 2	9	9	·044	● early *a*.
10	·27	·31	50·3	48·9	46·8	54·5	1·9	1·1	·316	·318	87	93	NW 2	N 1	9	10	—	Cold wind.
11	·35	·32	50·3	47·9	46·0	61·3	1·9	1·0	·316	·308	87	93	NNE 2	NW 1	10	4	—	Cold wind.
12	·35	·38	59·8	48·1	40·5	69·9	5·0	1·2	·366	·305	71	91	W 2	W 1	4	2	—	Breezy.
13	·33	·34	66·0	53·3	40·2	66·9	7·1	1·5	·404	·365	64	90	SSE 3	SW 2	8	8	—	Breezy and hot.
14	·35	·36	59·0	52·7	52·0	67·5	2·6	2·7	·419	·327	84	82	SSW 1	SW 1	9	10	—	Close day.
15	·41	·44	57·2	49·9	49·0	60·7	2·2	0·9	·404	·355	86	94	NW 1	NW 1	10	9	—	Dull, threatening, and close.
16	·54	·58	62·2	51·7	42·8	70·1	6·0	1·5	·374	·344	67	89	NNW 2	NNW 1	1	2	—	Clear and hot.
17	·63	·65	54·9	53·4	42·2	72·7	1·9	0·9	·375	·382	88	94	Calm 0	W 2	10	0	—	≋ (mist) ∞.
18	·64	·60	66·5	54·1	49·2	70·5	5·6	1·1	·456	·386	71	92	SE 2	SE 2	5	8	—	Bright and hot.
19	·58	·56	51·5	51·9	46·9	61·6	1·5	1·7	·342	·343	90	88	E 2	NE 1	10	10	—	Dull and cool *a*. Bright *p*.
20	·54	·52	55·1	53·9	50·5	69·8	1·1	0·9	·401	·389	92	94	SE 2	SW 1	9	0	—	Cool wind.
21	·53	·53	55·7	53·3	47·0	67·5	1·5	1·1	·400	·375	90	92	E 1	NW 1	10	0	—	≋ (mist) *a*. Dull day.
22	·56	·54	66·0	57·8	44·0	77·2	4·1	3·0	·492	·391	78	81	NW 1	NNW 1	0	2	—	Bright and hot.
23	·53	·47	58·2	52·9	51·0	65·9	4·2	1·4	·364	·362	75	91	NNW 2	NE 2	8	8	—	
24	·50	·48	53·5	57·4	49·0	65·7	1·7	1·4	·362	·430	89	91	SSE 2	NW 1	9	10	—	Gloomy.
25	·52	·55	57·2	53·3	50·2	66·1	2·0	1·3	·410	·370	87	91	SE 2	NW 1	9	5	—	
26	·55	·52	70·0	59·5	48·9	76·3	6·3	2·9	·498	·416	68	83	SE 2	WNW 1	4	8	—	Bright and hot.
27	·48	·50	68·0	58·0	45·6	77·1	7·1	2·6	·437	·404	64	83	NW 1	NNW 2	3	2	—	Bright and hot.
28	·48	·58	64·4	59·4	47·4	74·4	6·1	3·2	·406	·407	67	81	NNW 2	W 2	3	8	—	Bright and hot.
29	·65	·72	64·4	51·9	48·4	68·7	5·7	1·4	·419	·349	69	91	NNW 2	NW 1	6	2	—	Bright and breezy.
30	29·72	29·82	62·8	53·9	48·0	69·4	4·5	1·9	·425	·362	75	87	W 2	NW 1	6	8	—	
Means	29·479	29·480	59·8	54·1	47·4	68·6	3·4	1·8	·411	·371	80·5	88·5	1·8	1·3	6·5	5·8	0·414	

CARMARTHEN.—JUNE 1889.

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

1	29·62	29·55	57·0	57·6	50·4	64·2	4·8	4·2	·333	·356	71	75	S 4	SE 2	9	10	·340	Dull day.
2	·45	·49	59·0	55·2	54·4	66·7	0·7	0·8	·477	·412	96	95	S 1	SW 1	10	10	·060	Dull, with ●.
3	29·65	29·78	59·5	54·1	51·8	63·4	4·3	0·9	·379	·393	75	93	SW 3	SW 3	6	10	·020	Dull *p*.
4	30·04	30·18	61·4	55·7	52·8	65·4	5·3	2·7	·379	·366	71	83	SW 3	W 1	4	4	—	
5	30·18	30·09	73·4	59·6	47·8	75·1	11·5	4·2	·409	·384	50	75	N 1	N 2	0	0	—	Fine day.
6	29·98	29·85	67·9	63·8	53·9	75·4	7·8	5·5	·418	·413	60	70	NE 4	N 3	0	0	—	Very fine.
7	·85	·81	63·8	55·5	54·8	65·0	5·5	2·1	·413	·379	70	86	N 3	N 2	0	0	—	Very fine.
8	·76	·61	64·3	50·1	50·0	68·0	5·2	3·6	·428	·274	72	76	Calm 0	Calm 0	5	3	·290	∞. ⊔ 10*p*.
9	·53	·50	53·9	51·7	49·1	60·2	1·7	1·5	·367	·344	88	89	N 1	Calm 0	10	0	·010	● *a*. Fair *p*.
10	·62	·70	56·5	52·7	48·4	60·4	6·7	5·3	·285	·268	62	68	NE 5	N 3	9	9	—	
11	·70	·72	58·8	49·7	49·4	64·4	6·9	2·3	·308	·299	62	84	NE 2	W 1	9	8	—	
12	·74	·74	63·8	51·7	42·8	65·6	6·9	1·5	·375	·344	64	89	S 1	SW 1	5	0	·030	Fine day.
13	·73	·69	58·3	53·9	42·8	64·6	3·6	1·5	·381	·373	79	90	SW 2	SW 1	10	10	·100	
14	·72	·72	58·8	55·7	52·8	64·0	1·9	1·3	·436	·406	88	91	S 2	Calm 0	10	10	—	
15	·77	·84	60·1	55·3	52·8	65·6	5·4	2·5	·360	·366	70	84	NE 1	N 1	10	8	—	
16	·91	·91	69·9	56·4	50·0	72·2	11·4	3·8	·357	·348	49	77	Calm 0	N 1	0	0	—	Very fine.
17	·98	·98	69·0	60·0	50·8	75·9	10·0	3·8	·377	·401	63	77	N 1	Calm 0	0	0	—	Very fine.
18	·99	·92	72·9	55·7	52·8	74·5	10·6	1·8	·425	·391	52	88	N 1	NE 1	2	0	—	Fine *a*. Dull *p*.
19	·91	·87	60·8	53·4	50·0	67·8	7·9	3·0	·311	·328	59	80	NE 2	N 1	4	0	—	Fine *a*.
20	·86	·83	65·6	63·8	49·7	72·0	9·2	6·3	·346	·391	55	66	NE 1	NE 1	0	2	—	Very fine.
21	·85	·85	66·3	61·3	53·3	72·2	7·8	3·0	·389	·444	61	83	E 2	Calm 0	2	0	—	Very fine.
22	·89	·87	74·9	65·8	50·3	78·1	11·6	5·5	·433	·446	50	71	E 1	NE 1	0	7	—	Very fine *a*. Cloudy *p*.
23	·85	·81	70·9	55·9	55·4	73·6	9·0	2·5	·434	·374	57	84	E 1	Calm 0	1	0	—	Very fine.
24	·82	·82	68·5	59·2	49·1	71·5	9·2	3·1	·389	·407	56	82	E 1	NE 1	2	5	—	Threatening appearance at times.
25	·86	·90	68·4	58·0	54·8	72·8	7·5	3·6	·433	·377	62	78	Calm 0	N 1	8	0	—	∞. Very fine from 6*p*.
26	·92	·89	74·7	60·0	47·8	78·0	12·2	5·1	·415	·366	49	71	Calm 0	Calm 0	0	3	—	Very fine.
27	·86	·87	73·9	56·7	49·7	76·9	13·4	2·3	·370	·393	44	85	N 1	N 1	0	0	—	Very fine.
28	29·88	29·95	67·7	55·1	49·6	71·0	7·4	2·7	·425	·358	62	82	SW 1	NW 1	8	0	—	≋ 5*a*. Fine day.
29	30·05	30·10	69·4	54·7	45·5	71·4	9·7	1·5	·389	·384	54	90	Calm 0	Calm 0	8	7	—	Fine day.
30	30·13	30·21	61·5	53·1	52·6	69·2	5·3	1·7	·382	·357	71	88	NW 1	Calm 0	10	0	—	Fine day.
Mean	29·835	29·833	65·0	56·4	50·5	69·5	7·3	3·0	·387	·371	63·7	81·7	1·5	1·0	4·7	3·5	0·850	

MARGATE.—JUNE 1889.

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

Day.	Barometer at 32° Faht.		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	29·91	29·81	57·7	56·2	48·6	62·6	2·5	1·2	·403	·416	84	92	S 1	E 2	10	0	—	Very fine day.
2	·67	·62	72·0	68·0	54·1	82·8	6·3	3·9	·537	·539	68	79	SE 1	SE 2	0	8	—	Very hot.
3	29·72	29·96	65·8	55·8	55·3	69·6	4·0	5·0	·492	·312	78	70	SW 3	SW 3	4	0	—	Warm and breezy.
4	30·17	30·28	63·0	60·2	49·1	71·2	5·0	2·9	·413	·428	72	83	W 2	Calm 0	0	0	—	Very fine.
5	·30	30·16	60·2	54·3	52·9	61·9	1·9	0·3	·459	·413	89	98	N 3	NE 4	0	10	—	Fine *a*. Dull, with ≋ *p*.
6	30·04	29·92	58·9	63·0	52·3	67·0	0·7	3·8	·475	·447	96	78	N 2	E 1	9	5	·430	⌓ *a*. Fine day.
7	29·89	·91	67·3	60·2	59·5	76·0	4·3	1·0	·511	·487	77	94	E 1	NNE 2	3	7	—	K² before 9*a*. Very warm. ⊤< *p*.
8	·84	·73	57·9	54·6	54·0	61·2	1·3	0·1	·439	·424	92	99	W 1	S 2	10	10	·020	Fine day. ≋ 9*p*.
9	·60	·51	54·3	54·4	53·1	57·6	0·5	0·6	·407	·406	97	96	N 1	N 3	10	10	·820	≋ *a*. Dull and cool.
10	·46	·65	52·1	53·1	51·4	55·0	0·4	0·4	·378	·393	97	97	NNE 6	NE 5	10	10	·170	Very wet and stormy.
11	·77	·82	57·2	53·1	52·6	64·6	2·4	0·7	·397	·384	85	95	SSE 3	S 2	10	0	—	Much finer. ⌓ *p*.
12	·86	·87	59·0	57·8	51·2	63·6	2·2	1·6	·430	·430	87	89	S 1	Calm 0	8	10	—	
13	·87	·86	59·0	56·0	49·2	64·0	2·2	1·2	·430	·413	87	92	S 1	SE 1	3	0	—	
14	·90	·90	59·0	58·9	52·7	67·0	2·2	2·2	·431	·430	87	87	W 3	W 3	8	6	—	Very fine.
15	·89	29·96	60·5	57·9	54·8	64·1	2·0	1·1	·461	·446	88	93	Calm 0	NNW 1	8	10	—	Fine day.
16	29·98	30·04	59·0	55·4	54·1	61·6	2·8	3·4	·413	·344	83	79	NE 2	E 1	8	0	—	Fine day.
17	30·10	·12	58·8	54·9	53·6	60·9	3·9	2·1	·379	·371	77	87	NE 2	E 2	8	1	—	⌒ *a*. Bright *p*.
18	·12	·05	57·1	54·1	54·1	59·9	6·3	3·1	·299	·335	64	80	NE 2	NE 3	9	0	—	Very fine. Pretty sunset.
19	30·02	30·00	58·8	55·1	54·1	59·9	3·2	2·3	·399	·367	81	85	NE 2	NE 3	3	2	—	Fine day.
20	29·97	29·94	58·0	57·0	54·1	60·8	3·2	0·8	·386	·441	80	94	NE 3	NE 3	7	0	—	Cool day.
21	29·96	·98	56·8	55·7	54·1	59·8	0·8	0·7	·437	·422	94	95	NNE 2	NE 3	10	10	—	≋ *a*. ≋ *p*.
22	30·00	·98	54·1	54·1	52·7	59·5	1·1	2·1	·386	·360	92	86	N 2	NNE 3	10	10	—	≋ *a*. Much finer.
23	29·94	·92	57·2	57·0	53·2	65·6	2·3	1·0	·400	·434	85	93	N 2	NNE 1	10	1	—	Very fine and warm.
24	·92	29·96	61·0	54·3	53·1	62·7	3·9	0·4	·413	·410	78	97	NE 1	Calm 0	9	10	—	Very fine and warm. ≋ *p*.
25	29·98	30·00	59·2	59·0	51·9	66·0	2·2	2·7	·433	·416	87	84	NNE 1	N 2	10	3	—	Very fine and warm.
26	30·00	29·95	63·0	59·2	57·9	65·0	3·1	1·8	·469	·446	82	89	N 2	N 1	3	0	—	Very fine and warm.
27	29·93	29·94	63·8	58·9	58·9	65·7	3·8	1·1	·462	·462	78	94	N 2	N 2	8	0	—	Very fine and warm.
28	29·98	30·03	62·8	58·0	57·9	68·2	3·8	1·0	·444	·451	78	93	N 2	N 1	0	0	—	Fine and hot.
29	30·10	·14	69·0	62·4	53·2	73·0	5·3	1·9	·511	·496	72	89	Calm 0	Calm 0	0	10	—	Fine and hot. ≋ *p*.
30	30·21	30·19	66·5	66·0	56·4	72·2	5·4	4·0	·470	·496	72	78	N 1	Calm 0	0	8	—	Very fine.
Mean	29·937	29·940	60·3	57·5	53·7	65·0	3·0	1·8	·432	·421	82·9	88·8	1·8	1·9	6·3	4·7	1·440	

SOUTHAMPTON.—JUNE 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

1	29·88	29·79	62·6	59·5	47·9	66·5	5·6	3·0	·392	·416	69	82	SE 3·5	SE 2·5	6	10	—	Beautiful day.
2	·61	29·64	72·2	60·5	58·5	72·6	5·1	1·2	·582	·487	74	93	SE 1·5	SE 1·5	9	10	·080	Beautifully fine till 2.30 *p*., then ● [showers.
3	29·80	30·00	63·9	55·2	54·4	68·4	5·4	1·6	·419	·390	70	90	W 2	SW 1	7	1	·032	Beautiful day.
4	30·19	·29	59·5	56·8	54·6	71·5	1·5	1·7	·460	·411	91	89	SW 2	SW 1·5	10	0	—	Beautiful day.
5	·31	30·18	71·7	64·2	50·0	76·1	6·9	5·7	·512	·415	66	69	NE 2	NE 2·5	1	10	—	Beautiful day.
6	30·04	29·90	63·5	69·8	56·1	78·7	2·5	5·2	·499	·530	85	73	NE 2·5	NE 2	10	10	—	Very warm all day. K² *n*.
7	29·90	·89	75·0	65·3	63·8	81·9	6·3	1·2	·601	·579	69	93	NE 2	NNE 2	10	10	·160	Very warm *a*. K² ●² *p*.
8	·86	·74	59·7	60·6	55·6	66·4	2·0	1·6	·455	·476	89	90	N 3	N 1	10	10	·022	
9	·60	·55	62·5	53·8	53·2	63·2	2·9	1·5	·468	·372	83	89	NE 1·5	NNE 3	10	10	·030	Overcast all day. Cool *p*.
10	·59	·70	52·8	50·0	49·4	55·1	2·9	1·1	·324	·332	80	92	NNE 4·5	NNE 4	10	10	·068	● *a*. and *p*. Very cold wind all day.
11	·77	·84	53·2	55·5	49·1	58·6	0·5	0·8	·391	·418	97	95	NNE 2	NNW 1·5	10	10	—	Very cold *a*.
12	·88	·89	57·9	58·9	53·5	65·3	2·8	2·3	·397	·426	83	86	WNW 1	SW 1	10	10	—	
13	·89	·88	60·2	56·8	52·7	70·7	4·4	2·0	·388	·402	74	87	SW 1	SW 1·5	10	1	—	Dull *a*. Beautiful *p*.
14	·92	·90	56·5	56·1	53·6	62·2	1·8	0·9	·404	·424	88	93	SW 2	SW 1	10	10	—	
15	·90	29·91	59·6	56·7	53·8	66·1	3·5	1·8	·403	·406	79	88	SSW 1	Calm 0	10	10	·019	
16	29·99	30·03	64·0	58·7	56·1	73·2	6·0	2·1	·403	·429	67	87	NW 0·5	Calm 0	7	2	—	Beautiful day throughout. ⌓ *n*.
17	30·09	·11	68·9	59·7	49·9	75·8	8·7	4·6	·409	·375	57	73	NE 2	E 1	0	1	—	Beautiful day throughout.
18	·13	30·05	61·5	55·5	49·9	67·5	6·3	3·8	·357	·338	65	76	ENE 4	E 2	10	1	—	Beautiful day, with pleasant breeze.
19	30·00	29·98	62·0	58·5	48·1	70·6	4·9	3·5	·402	·386	73	78	NE 4	E 1·5	3	0	—	Beautiful day, with pleasant breeze.
20	29·98	·93	58·5	62·5	50·0	75·7	2·9	3·3	·403	·455	82	80	NE 3	NE 1·5	10	1	—	Beautifully fine, with pleasant breeze.
21	29·95	·95	68·5	63·9	53·9	76·6	6·5	4·2	·463	·454	66	76	ENE 3	NE 1	2	0	—	Beautifully fine and very warm.
22	30·00	·96	64·3	66·3	54·8	78·9	4·8	4·0	·442	·502	74	78	NE 2	NE 1	0	8	—	Very warm all day.
23	30·00	·94	61·7	61·7	52·0	67·9	6·2	3·5	·363	·437	66	79	NE 2	N 1	5	9	—	Fine and very pleasant.
24	29·95	29·94	61·9	60·4	51·1	69·5	4·0	2·4	·426	·447	77	86	NE 1·5	Calm 0	9	9	—	Beautifully fine and pleasant.
25	29·98	30·00	65·4	62·9	51·8	75·1	4·6	2·9	·467	·475	75	83	NNE 2	Calm 0	0	0	—	Beautifully fine and warm.
26	30·02	29·96	72·8	68·0	54·3	82·2	10·2	5·3	·435	·492	54	72	NE 2	NE 0·5	0	0	—	Very warm throughout.
27	29·94	29·94	73·6	69·1	56·9	84·1	8·0	5·2	·515	·513	62	73	NE 1·5	Calm 0	2	8	—	Very warm all day. [ing.
28	29·99	30·04	69·8	62·6	57·4	77·0	5·3	4·0	·527	·436	73	77	SW 1·5	W 1	4	7	—	Very warm and close. Pleasant even-
29	30·13	·19	71·4	63·6	53·9	81·5	7·4	4·1	·490	·452	63	77	NW 1·5	NW 1	0	9	—	Very warm, with pleasant breeze.
30	30·26	30·25	67·4	62·5	53·1	76·6	6·2	3·0	·454	·465	67	82	NW 1·5	NW 1·5	8	1	—	Beautiful day, with pleasant breeze.
Mean	29·951	29·945	64·1	60·5	53·3	71·9	4·9	2·9	·442	·438	73·9	82·9	2·1	1·3	6·4	5·9	0·411	

BABBACOMBE.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·59	29·51	58·9	54·2	50·3	60·3	3·7	1·6	·386	·374	77	89	S 3	SE 2	2	9	·040	☂ in past *n.* ● showers *p.*
2	·38	·43	57·1	55·9	52·3	64·9	1·3	1·0	·427	·418	91	93	ENE 1	SSW 1	9	9	·010	● showers *n.* and *p.* ≋ till 9*a.*
3	·59	29·74	60·7	54·9	51·5	64·5	5·2	0·1	·374	·428	71	99	SW 3	SW 4	6	10	·050	Dull and gloomy evening. ● 8*p.*—[midt.
4	29·94	30·06	63·1	56·1	54·3	68·8	5·9	3·6	·391	·349	68	78	WSW 2	NW 2	2	1	—	Fine day.
5	30·07	29·95	67·4	60·7	49·4	72·3	7·6	7·0	·416	·330	61	62	NE 2	NE 3	0	0	—	☂ *n.* Very fine. ∞ 0
6	29·83	·71	58·8	65·9	55·5	73·7	2·5	2·3	·419	·552	85	87	NE 1	NNW 2	10	2	·020	⊤ ∢. ☂ ≋ (mist) *p.*
7	·70	·67	68·6	65·3	62·0	76·6	5·3	2·4	·501	·537	72	86	NE 2	NNE 3	6	3	·030	⊼ 3*a.* ⊤ 6*p.* ⊼ 7*p.* ≋ 0 (mist).
8	·65	·53	57·8	58·1	57·2	65·7	1·0	1·8	·447	·428	93	89	NE 2	N 1	10	3	—	Dull *a.* ≋ (mist) all day. ☂ 2 *p.*
9	·40	·36	59·8	54·6	50·7	61·4	3·4	2·1	·409	·367	79	85	NNW 2	NNE 3	9	10	·120	Dull, with ●.
10	·42	·53	51·3	50·0	49·1	54·7	1·9	2·2	·328	·305	87	85	NE 5	NNE 4	10	10	·050	Dull and gloomy. ● *a.*
11	·57	·63	51·0	53·1	47·3	56·0	1·7	1·1	·329	·373	88	92	NNE 2	WNW 1	10	10	—	Dull day. Gloomy 2*p.*–5*p.* ≋ 0 (mist).
12	·66	·67	60·2	56·9	48·3	66·5	5·5	2·9	·358	·379	69	82	ENE 2	WSW 1	4	9	—	☂ *n.* ⊕ 0 11.30*a.*
13	·66	·66	60·0	54·6	46·4	64·9	4·4	2·6	·384	·355	74	83	NNE 1	SW 3	7	9	—	☂ in past *n.* Haymaking began.
14	·65	·65	59·4	55·5	52·7	66·2	1·1	1·6	·470	·394	94	89	S 2	SW 3	10	10	—	≋ 0 10*a.* Gloomy 8*p.*
15	·68	·70	57·0	55·6	52·3	60·3	2·7	2·3	·385	·375	83	85	E 1	NNW 2	10	7	·130	Dull day.
16	·76	·80	60·5	60·6	54·5	69·5	2·3	3·5	·453	·419	86	80	NE 2	NE 1	6	1	—	≋ 0 (mist). ☂ 0 *p.*
17	·86	·89	64·0	56·0	53·5	70·4	6·9	1·7	·394	·399	63	89	NE 2	E 1	0	1	—	☂ *n.* and *p.* ∞ 0 *a.* Fine day. ≋ 0 [(mist) *p.*
18	·87	·81	59·7	54·7	53·3	62·5	4·4	2·8	·379	·351	74	82	ENE 3	NE 1	1	9	—	Fine day.
19	·75	·72	58·1	58·8	51·3	63·8	3·2	2·5	·388	·418	80	85	ENE 3	ENE 4	3	9	—	≋ 0 (mist) *a.*
20	·73	·70	58·7	61·9	53·1	67·3	3·8	3·6	·381	·436	77	80	E 3	ENE 2	2	5	—	⊕ 0 1.30*p.*—3.30*p.* ≋ 0 (mist) *p.*
21	·71	·73	63·1	62·8	56·5	71·5	4·1	3·9	·441	·441	76	78	ENE 3	NE 1	3	7	—	Fine day. ☂ 0 9*p.*
22	·76	·76	60·1	63·0	56·4	73·8	6·0	3·2	·489	·465	69	81	NE 2	W 2	0	2	—	Fine day. ☂ ≋ 0 (mist) *p.*
23	·77	·74	58·4	54·3	54·3	65·5	2·9	2·4	·401	·355	82	84	E 3	WNW 1	2	2	—	☂ *n.* and *p.* Fine day. ≋ 0 (mist).
24	·71	·70	62·6	55·9	48·3	65·5	5·5	1·1	·394	·415	70	93	ENE 3	NE 1	2	0	—	☂ *n.* and *p.* Fine day. ≋ 0 (mist) *p.*
25	·76	·79	61·5	59·0	50·5	70·6	2·7	2·3	·457	·427	84	86	E 2	Calm 0	9	0	—	☂ *n.* and *p.* ≋ 0 (mist).
26	·80	·77	69·1	63·4	52·0	77·0	7·8	7·4	·437	·358	61	61	NE 1	NW 3	0	3	—	☂ *n.* Fine day. ≋ 0 (mist).
27	·75	·75	71·6	60·7	58·0	80·4	9·5	4·0	·433	·406	55	77	ENE 1	NW 3	0	1	—	∞ 0 *a.* Fine day. Squally *p.*
28	·79	29·86	66·2	55·6	54·4	73·1	6·4	2·7	·427	·365	66	82	NW 2	WNW 3	7	2	—	
29	29·94	30·02	70·0	58·4	52·5	74·8	9·4	3·4	·407	·386	55	79	NNW 2	NW 2	1	0	—	Fine day.
30	30·05	30·09	65·8	58·3	52·0	73·6	6·0	2·5	·431	·410	68	85	WNW 2	NW 2	4	0	—	∞ 0 *a.* ☂ 0 *p.*
Mean	29·726	29·730	61·7	57·8	52·7	67·9	4·5	2·7	·411	·401	75·3	83·6	2·2	2·1	4·8	4·8	0·450	

LONDONDERRY.—JUNE 1889.

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

1	29·47	29·51	55·7	53·6	49·9	60·7	4·0	2·9	·336	·332	76	80	SW 2	S 5	10	10	—	
2	·56	·55	60·7	53·7	52·0	65·0	5·7	1·0	·361	·384	68	93	S 2	SSW 1	8	10	—	
3	·63	29·66	59·1	54·5	50·0	67·5	6·4	3·8	·322	·323	65	76	SW 2	SW 3	4	10	—	
4	29·95	30·25	59·2	57·3	49·3	67·5	7·0	2·7	·310	·391	61	83	SW 4	NE 1	8	10	—	Fine day.
5	30·38	·30	64·7	52·0	47·0	74·5	7·5	1·4	·374	·351	61	99	SW 2	S 1	1	1	—	Fine day.
6	·17	·14	67·2	52·7	47·0	74·8	6·9	2·3	·431	·336	64	84	NE 2	NW 2	0	6	—	Fine day.
7	30·19	30·11	57·7	49·9	48·0	63·0	8·0	2·9	·271	·287	57	81	NE 2	NW 1	3	2	—	Fine day.
8	29·90	29·75	54·2	52·2	45·0	60·5	5·2	2·5	·286	·325	68	83	SW 2	WNW 4	10	10	·050	
9	·78	·84	57·1	48·4	47·7	61·6	6·9	3·0	·286	·268	62	79	N 2	N 1	8	1	—	Fine day.
10	·92	·92	60·2	53·7	46·3	69·1	6·8	3·5	·328	·319	63	77	NE 2	E 1	6	1	·010	Fine day.
11	·82	·76	61·2	54·5	45·7	70·3	9·8	2·9	·276	·345	51	82	SW 2	SW 1	0	10	·060	Fine day. ● in evening.
12	·80	·79	54·7	52·4	50·3	66·6	3·6	2·2	·330	·335	78	85	NW 1	SW 1	10	6	—	Fine day.
13	·69	·72	62·4	52·3	47·0	63·7	8·2	1·6	·324	·349	58	89	SW 2	NE 1	10	10	·120	● 1*p.*—8*p.*
14	·78	29·80	57·1	52·7	45·0	62·8	5·4	2·0	·319	·344	69	86	SW 2	SW 1	10	10	·140	● 1*p.*—6*p.*
15	29·89	30·01	57·5	54·7	50·0	65·2	2·9	3·0	·389	·345	82	81	SW 2	SW 1	10	10	·030	● showers *a.*
16	30·09	·09	58·7	52·6	50·0	64·3	4·5	1·6	·363	·352	74	89	SW 2	NW 1	10	10	—	
17	·14	·18	58·6	54·8	46·9	74·0	2·9	2·0	·405	·372	82	87	SW 2	E 1	10	10	—	
18	·18	·15	61·2	55·2	49·5	73·1	4·8	1·9	·392	·381	73	88	NE 2	SE 2	3	2	—	Fine day.
19	·10	·10	63·1	58·5	47·0	75·5	5·5	2·1	·402	·426	70	87	NNE 2	SE 1	0	4	—	Fine day.
20	·09	·05	63·7	56·9	52·0	73·0	0·8	2·2	·562	·398	95	86	SE 2	NE 2	7	0	—	Fine day.
21	·03	·03	69·7	62·0	50·0	78·3	6·2	3·3	·495	·447	68	81	NE 2	WNW 2	2	0	—	Fine day.
22	·13	30·12	59·5	56·0	53·0	63·5	2·8	2·6	·421	·375	83	83	NE 2	NE 2	10	10	—	
23	30·01	29·93	62·4	59·9	52·2	80·0	4·8	2·1	·411	·448	73	88	NE 1	ESE 2	0	10	—	Fine day.
24	29·95	29·97	68·2	58·0	51·0	80·0	1·8	2·9	·617	·396	89	82	SE 2	SE 2	0	0	—	Fine day.
25	30·03	30·00	66·2	61·7	48·0	76·2	7·8	2·5	·388	·467	61	85	SW 2	E 1	0	0	—	Fine day.
26	·02	29·98	61·2	59·6	54·0	73·3	3·2	3·7	·437	·397	81	78	SW 2	SW 2	10	10	—	
27	30·02	30·01	59·2	54·8	52·0	69·3	5·3	3·1	·350	·344	70	80	SW 2	E 2	10	10	—	
28	29·98	·06	60·7	56·3	52·0	67·0	7·1	3·4	·328	·359	61	79	SW 2	W 2	10	10	—	
29	30·13	·09	60·2	59·7	50·5	65·0	6·5	4·0	·335	·391	64	77	SW 2	SW 2	10	10	·020	
30	30·18	30·37	57·2	54·7	52·0	61·3	4·0	3·0	·354	·345	75	81	SW 2	W 2	10	10	—	
Mean	29·967	29·974	60·6	55·2	49·3	68·9	5·4	2·6	·373	·364	70·1	83·3	2·0	1·7	6·3	6·8	0·430	

ARMAGH.—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·39	29·43	52·9	52·7	47·9	56·5	2·1	2·1	·344	·342	87	86	SSE 4	SSE 4	10	10	·020	
2	·44	·44	50·2	52·9	51·8	61·3	5·9	1·1	·335	·370	67	93	SE 1	SSW 1	8	10	·040	
3	·52	29·58	56·8	52·9	49·8	62·6	4·8	2·0	·330	·346	70	87	S 2	SSE 3	4	3	—	
4	29·88	30·13	58·7	55·9	48·1	65·5	7·0	3·9	·305	·341	62	76	SSW 3	SSE 1	4	3	—	
5	30·24	30·16	61·0	57·7	47·0	69·5	6·2	3·7	·353	·370	66	77	SSW 1	E 1	1	2	—	
6	·04	29·97	62·7	57·7	46·8	71·6	6·8	0·8	·363	·453	65	95	E 1	N 1	7	8	—	
7	30·03	·97	56·9	47·7	44·3	62·5	6·5	2·2	·293	·279	63	85	N 1	N 1	7	0	—	
8	29·78	·62	53·7	50·9	39·3	59·3	5·5	1·0	·274	·348	66	93	WSW 1	WNW 1	10	10	·024	
9	·61	·67	55·9	48·9	48·0	58·5	6·0	2·8	·295	·279	65	81	N 1	N 1	10	9	—	
10	·78	·79	56·6	49·0	43·9	61·7	6·0	4·3	·301	·249	66	71	NE 1	SSW 1	4	3	—	
11	·72	·65	59·8	52·8	41·0	65·2	8·5	5·0	·286	·276	56	69	S 1	S 1	0	10	·018	
12	·67	·65	57·0	58·0	50·6	63·5	2·3	3·2	·397	·388	85	80	SW 0·5	SW 1	10	8	—	
13	·58	·57	59·2	55·7	51·0	65·8	5·3	1·0	·350	·416	70	94	SSW 2	SSW 1	7	10	·077	
14	·66	·69	58·6	50·9	47·1	66·0	5·9	1·2	·329	·343	67	92	WSW 1	WSW 1	8	10	·060	
15	·78	·87	56·9	53·0	46·9	68·0	3·1	1·2	·373	·369	81	92	SW 1	NW 0·5	10	8	—	
16	29·94	29·95	55·8	57·6	47·2	63·4	3·1	3·6	·360	·371	80	78	NW 0·5	W 1	10	9	—	
17	30·00	30·03	65·7	54·0	45·7	70·8	5·7	1·2	·438	·382	69	92	S 0·5	NE 0·5	7	2	—	
18	30·03	29·99	65·9	56·9	47·0	73·6	5·3	2·9	·454	·378	71	82	NE 0·5	NE 1	0	0	—	
19	29·96	·96	63·0	55·6	47·6	66·6	4·0	2·7	·443	·367	77	82	E 1	ESE 1	10	2	—	
20	·95	·91	56·8	54·0	50·1	65·3	3·0	1·0	·375	·388	81	93	ENE 1	ENE 1	10	3	—	
21	·89	·89	67·9	62·0	47·0	75·3	6·9	4·3	·442	·419	64	76	E 1	S 0·5	0	2	—	
22	·96	·95	62·0	51·8	51·0	68·3	2·4	0·7	·475	·366	86	95	ENE 1	NE 1	10	0	—	
23	·88	·82	61·8	55·8	47·1	72·2	4·2	3·7	·418	·345	76	78	E 1	E 1	10	2	—	
24	·81	·85	66·9	53·9	46·8	70·5	6·0	3·9	·452	·311	69	75	SE 2	ESE 0·5	8	0	—	
25	·89	·88	66·8	59·0	43·1	73·4	8·1	4·0	·392	·380	60	76	ESE 0·5	S 1	6	8	—	
26	·88	·85	59·9	58·8	50·1	71·7	2·1	3·7	·449	·386	88	78	SW 1	SW 1	10	7	—	
27	·89	·86	66·8	55·2	54·3	69·6	2·9	2·2	·550	·373	84	86	W 0·5	WNW 0·5	10	8	—	
28	29·86	29·93	61·0	56·8	49·0	65·2	7·0	2·9	·334	·377	62	81	SW 1	WSW 0·5	7	10	—	
29	30·03	30·00	59·3	58·4	47·9	66·5	7·1	3·7	·309	·380	61	78	WSW 1	SW 2	10	10	—	
30	30·08	30·23	57·9	55·2	54·0	61·7	4·7	3·5	·348	·340	72	78	WNW 1	NW 0·5	10	10	·023	Overcast all day.
Mean	29·838	29·842	60·1	54·7	47·7	66·4	5·1	2·7	·372	·358	71·2	83·3	1·2	1·1	7·3	5·9	0·262	

MARKREE CASTLE, SLIGO.—JUNE 1889.

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

1	29·31	29·37	54·6	52·6	48·8	56·2	3·1	0·9	·342	·372	80	94	S 5	SE 6	10	10	·260	●
2	·46	·49	53·4	51·9	49·1	53·4	1·8	0·7	·358	·368	88	95	SE 2	SSE 1	10	10	·110	
3	·53	29·55	56·2	50·5	47·1	61·1	4·5	4·2	·330	·266	73	73	SSE 3	SSE 4	8	3	·040	
4	29·89	30·17	56·8	52·0	47·8	63·0	5·6	2·1	·312	·333	67	85	SW 3	S? 0·5	6	2	—	
5	30·30	·23	57·0	54·2	39·1	66·5	3·6	0·1	·361	·418	77	99	SSE 1	N 1	5	7	—	
6	·10	·07	62·9	51·3	45·2	63·8	3·3	0·3	·463	·370	81	98	N 1	NNW 2	2	5	—	
7	30·13	30·06	54·1	47·1	45·5	57·3	0·1	0·0	·417	·325	99	100	N? 2	N 0·5	4	3	—	
8	29·85	29·74	52·1	51·2	38·3	58·0	0·2	0·6	·384	·361	98	96	SSW 1	NW? 2	10	10	·020	Overcast all day.
9	·74	·79	52·9	47·9	47·5	57·2	0·1	0·1	·398	·331	100	100	NNW 3	NNW 1	10	7	—	
10	·84	·85	59·0	49·1	41·4	60·2	0·0	0·0	·500	·350	100	100	ESE 1	Calm 0	6	2	—	
11	·76	·70	60·0	55·2	38·8	64·4	5·9	1·3	·347	·398	67	91	S 2	*SW* 0·5	3	10	·010	
12	·75	·72	55·1	51·0	50·5	60·4	2·9	1·8	·353	·328	81	87	NW 1	Calm 0	10	4	—	
13	·59	·68	58·9	54·2	39·9	58·9	4·8	4·7	·358	·297	73	71	SSE 3	W 0·5	9	7	·320	
14	·72	·75	54·1	51·2	38·1	59·1	4·2	1·1	·307	·348	74	93	SSW 1	Calm 0	9	9	·060	
15	29·84	29·96	56·8	53·0	47·7	61·7	2·6	2·9	·386	·325	83	81	Calm 0	NNW 2	10	10	—	
16	30·01	30·00	54·9	55·8	44·7	64·1	3·1	1·6	·345	·399	81	89	*W* 0·5	Calm 0	10	4	—	∞ 9*p.*
17	·07	·10	60·1	54·1	47·0	67·1	3·8	1·7	·402	·370	78	88	E 1	NNW 1	7	2	—	
18	·09	·03	66·4	61·3	43·3	74·0	4·4	3·0	·491	·444	76	83	Calm 0	NNE 1	2	2	—	Fine day.
19	·00	30·02	69·2	57·0	50·3	73·8	9·3	1·9	·398	·408	55	88	E 1	Calm 0	0	4	—	∞ 9*p.*
20	30·00	29·95	61·0	57·0	44·5	68·9	4·9	1·7	·386	·414	73	89	SE? 1	Calm 0	8	3	—	
21	29·96	29·98	64·3	56·6	44·0	73·3	5·2	1·3	·430	·420	72	91	*SE* 0·5	NNW? 2	2	10	—	∞ *a.*
22	30·05	30·02	59·1	57·9	55·0	61·7	1·8	1·7	·444	·428	89	89	NNE 0·5	Calm 0	10	10	—	Overcast all day.
23	29·94	29·85	55·2	59·3	51·9	73·5	1·1	4·2	·404	·380	93	76	SE 1	SE 1	10	6	—	
24	·86	·89	62·0	58·0	55·4	70·8	2·9	1·0	·459	·451	83	93	Calm 0	*E* 0·5	9	4	—	∞ *a.* and *p.*
25	·95	·94	62·1	57·3	45·9	71·9	2·4	0·2	·477	·464	86	99	SSE 1	NNW 1	4	10	—	≋ *a.* and *p.*
26	·95	·92	61·5	58·1	54·1	67·4	3·6	2·8	·430	·400	80	83	SSE 1	S 1	9	10	·050	
27	·96	29·94	57·0	53·2	52·9	62·2	3·8	2·2	·356	·330	76	81	N? 1	Calm 0	9	7	—	
28	29·92	30·01	58·5	53·2	46·8	65·6	5·3	2·2	·341	·344	70	85	SSW 1	NNW 0·5	10	6	—	
29	30·09	·04	59·1	58·5	42·9	63·2	4·8	2·4	·361	·417	73	86	S? 1	S 1	9	10	·020	
30	30·17	30·33	56·9	54·0	52·8	59·1	3·8	2·8	·355	·339	77	81	NW 2	*NW* 0·5	6	9	—	
Mean	29·894	29·905	58·4	54·1	46·5	63·9	3·4	1·7	·390	·373	80·1	88·8	1·4	1·0	7·2	6·5	0·890	

DUBLIN (PHŒNIX PARK).—JUNE 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	ins.	ins.	%	%					ins.	
1	29·48	29·52	55·2	54·3	49·3	55·6	3·9	3·3	·330	·331	76	78	S 3	SSE 2	9	8	·010	Cloudy and squally. ● 0 showers p.
2	·48	·51	60·7	52·4	52·1	62·0	3·9	0·6	·409	·377	78	96	SE 1	Calm 0	3	9	—	
3	·59	29·68	61·5	51·6	47·6	63·0	6·4	3·2	·355	·302	65	78	SE 1	S 1	2	1	—	Beautiful till 3p. Cloudy and squally [p.
4	29·96	30·19	60·0	52·4	48·1	66·0	6·6	3·7	·330	·299	64	76	SW 2	Calm 0	1	1	—	Beautiful day.
5	30·30	30·22	61·3	53·4	41·8	64·5	5·5	3·9	·375	·307	69	75	Calm 0	Calm 0	4	9	—	Beautiful day.
6	·06	29·98	63·7	58·8	43·8	68·2	8·7	3·2	·331	·400	56	81	NE 1	Calm 0	0	3	—	Beautiful day.
7	30·06	30·01	54·3	47·3	46·7	62·8	4·3	2·0	·308	·278	73	86	NNW 1	Calm 0	9	0	—	Beautiful day.
8	29·86	29·68	56·5	54·6	38·7	63·9	6·4	1·0	·291	·398	64	93	Calm 0	Calm 0	2	9	·030	Bright a. Cloudy p.
9	·65	·69	51·6	51·4	45·8	58·9	3·2	3·6	·302	·290	78	77	NNW 1	N 1	10	9	·005	● 0 showers a. Dull and cloudy.
10	·80	·84	56·1	44·4	44·3	58·0	5·7	1·9	·303	·251	67	86	NNE 2	Calm 0	3	1	—	Beautiful day.
11	·79	·71	60·6	55·6	35·7	61·6	8·7	4·2	·292	·330	56	74	Calm 0	Calm 0	1	9	·015	Grass min. 28°·5 in past n. Beautiful
12	·73	·73	59·5	57·7	52·9	63·0	4·0	2·0	·388	·417	76	87	Calm 0	Calm 0	9	9	—	Dull and cloudy. [day.
13	·66	·65	62·2	55·3	54·5	63·9	6·2	0·8	·370	·414	66	95	SSW 1	SW 1	5	9	·005	Cloudy day. ● 0 showers 6p.—8p.
14	·73	·75	57·1	52·4	50·0	63·6	5·0	0·9	·328	·369	71	94	Calm 0	Calm 0	9	10	·025	Dull and cloudy. ● 0 p.
15	·83	29·91	59·6	54·8	50·7	66·6	5·2	1·7	·358	·381	70	89	Calm 0	Calm 0	7	9	—	
16	29·99	30·01	58·0	51·4	45·5	66·1	4·4	2·5	·357	·317	74	83	Calm 0	Calm 0	5	1	—	Beautiful day.
17	30·06	·07	63·9	53·5	42·9	68·2	5·6	1·6	·413	·364	69	89	Calm 0	Calm 0	0	1	—	Beautiful day.
18	30·07	30·02	67·3	54·5	45·5	70·1	5·7	1·1	·467	·393	70	93	Calm 0	Calm 0	1	2	—	Beautiful day.
19	29·99	29·98	58·2	51·5	47·9	61·7	2·8	1·1	·401	·351	82	92	ESE 1	Calm 0	10	2	—	Cloudy a. Bright p.
20	·98	·94	55·3	50·1	46·5	61·0	2·2	1·0	·375	·336	86	93	ENE 1	Calm 0	10	2	—	Dull a. Bright p. ≋ 0 n.
21	·93	·94	66·1	55·2	43·6	70·5	5·9	1·4	·439	·395	69	91	E 1	Calm 0	2	2	—	Beautiful day.
22	·98	·97	71·0	58·6	45·9	76·2	7·6	1·2	·476	·454	63	93	Calm 0	Calm 0	1	2	—	Beautiful day.
23	·92	·88	64·6	54·4	49·4	65·8	4·5	1·6	·456	·378	76	90	NE 1	Calm 0	2	1	—	Beautiful day.
24	·85	·89	66·6	55·2	46·7	68·3	7·1	0·8	·415	·413	64	95	ESE 1	Calm 0	1	4	—	Beautiful day.
25	·94	·92	62·0	53·5	45·2	70·6	4·5	1·9	·413	·356	75	87	Calm 0	Calm 0	9	4	—	Dull a. Bright p.
26	·96	·91	58·9	60·5	46·7	74·7	1·7	3·2	·443	·425	89	81	W 1	Calm 0	10	2	—	
27	·93	·91	63·4	57·6	50·2	67·1	5·1	6·9	·419	·293	72	62	WNW 1	Calm 0	8	8	—	
28	29·92	29·99	61·6	57·0	50·9	67·2	6·9	3·1	·344	·374	64	80	SW 1	Calm 0	2	8	—	Beautiful day.
29	30·09	30·09	59·8	60·6	50·5	69·4	5·0	4·0	·367	·405	71	78	Calm 0	Calm 0	2	9	·010	Beautiful day. ● 0 shower 7.45p.
30	30·13	30·29	60·5	57·1	50·4	65·0	4·0	4·3	·403	·345	77	74	W 1	Calm 0	9	3	—	Dull a. Cloudy p.
Mean	29·889	29·894	60·6	54·2	47·0	65·5	5·2	2·4	·375	·358	71·0	84·9	0·7	0·2	4·9	4·9	0·100	

PARSONSTOWN (BIRR CASTLE).—JUNE 1889.

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

1	29·35	29·37	55·7	52·6	47·8	57·1	3·1	1·5	·359	·356	81	90	SE 3	SE 4	10	10	·221	Dull a. Squally, with ●.
2	·43	·47	51·5	52·3	47·9	55·1	1·1	1·0	·351	·365	92	93	Calm 0	Calm 0	10	10	·240	≋ 0 (mist) 9a. ● till 7p.
3	·52	29·60	57·9	50·2	42·9	61·5	4·6	3·2	·351	·284	73	79	SE 2	SSE 2	6	2	·071	Windy. ● 2 in afternoon.
4	29·92	30·15	58·4	52·0	48·1	65·7	6·5	2·6	·312	·320	64	82	SW 2	Calm 0	3	4	—	Fine and bright.
5	30·27	·18	59·0	56·0	45·2	69·8	4·2	2·2	·375	·386	75	86	Calm 0	Calm 0	7	2	—	Very fine and warm. ≋ 0 (mist) 9p.
6	·05	·01	60·9	57·6	44·3	71·4	6·0	3·3	·358	·379	67	80	Calm 0	NNW 1	0	1	—	∞ a. Bright and warm. ≋ 0 (mist)
7	30·07	30·01	56·4	50·5	45·4	63·6	6·4	3·4	·290	·283	63	78	NNW 2	NNW 1	3	0	—	Bright, with cool wind. [9p.
8	29·85	29·69	56·0	50·9	37·8	60·7	5·5	1·3	·306	·340	68	91	W 1	NW 1	6	10	·042	Bright a. Cloudy, with ● p.
9	·68	·70	55·7	50·9	47·4	58·6	6·9	2·6	·272	·308	61	83	NW 3	NNW 1	9	5	—	Bright, with fresh breeze.
10	·78	·81	56·1	51·8	43·0	62·6	4·3	1·0	·334	·359	73	93	NNW 1	Calm 0	6	7	—	Fine and warm.
11	·77	·70	59·7	54·4	41·8	66·7	9·8	3·0	·260	·340	51	80	ESE 1	Calm 0	0	10	·035	Very warm. ● 0 8p.
12	·72	·71	56·8	56·3	52·3	60·6	2·6	3·3	·386	·361	83	79	Calm 0	Calm 0	10	10	—	Dull and warm.
13	·63	·66	60·4	54·0	49·1	61·0	5·4	1·0	·365	·388	69	93	SSE 1	NNW 2	10	10	·150	Windy a. ● p.
14	·71	·73	57·9	52·4	42·7	60·7	5·4	1·3	·331	·358	69	91	SSW 1	Calm 0	9	10	·054	Fair and mild a. ● p. [● 10p.
15	·82	·91	58·0	54·6	46·6	66·4	3·4	1·8	·383	·375	79	89	Calm 0	NW 1	10	9	·013	Dull and close a. Very fine afternoon.
16	29·97	29·96	58·0	59·4	43·2	69·9	4·0	3·0	·367	·414	76	82	Calm 0	Calm 0	5	3	—	Fine and mild. ≋ 0 (mist) 9p.
17	30·04	30·04	60·7	59·1	47·2	72·4	4·6	2·8	·390	·415	74	83	Calm 0	Calm 0	1	0	—	Fine and warm. ∞
18	30·04	29·98	67·0	61·0	48·3	75·8	9·0	2·9	·372	·442	56	83	Calm 0	Calm 0	0	0	—	Fine and warm. ∞ p.
19	29·95	·95	61·7	55·1	52·8	70·0	3·8	3·2	·428	·346	78	79	NE 1	NW 1	4	10	—	Warm day. ∞
20	·94	·91	59·5	54·6	46·7	64·8	4·7	1·9	·370	·373	72	88	ENE 1	Calm 0	10	0	—	∞. Fine, with cool breeze.
21	·91	·90	60·7	60·4	43·0	77·3	3·8	3·4	·412	·418	78	80	Calm 0	Calm 0	10	0	—	Fine and warm. ∞ [p.
22	·99	·96	57·9	64·7	51·7	74·8	1·2	2·0	·444	·539	93	88	NNW 1	Calm 0	10	10	·202	Dull, with ≋ a. Very hot. T ● 2
23	·89	·81	61·7	62·4	52·4	76·2	2·4	1·5	·470	·512	86	91	Calm 0	SSE 1	6	10	·038	≋ till 7.15a. Very hot. T ● 0 6.30p.
24	·82	·85	59·7	60·3	52·8	70·3	2·4	1·2	·436	·483	86	93	Calm 0	Calm 0	10	10	·155	Fine day. ∞. ● 2 6.30p.—8p.
25	·92	·91	65·8	61·5	51·9	72·2	5·9	3·1	·434	·445	70	81	Calm 0	Calm 0	1	1	—	Close and warm. ∞
26	·95	·92	59·8	57·9	57·8	70·4	2·8	2·3	·426	·411	83	86	SW 1	Calm 0	10	2	·020	∞. Fine and warm.
27	·92	·92	58·7	53·3	52·9	67·1	3·0	1·7	·404	·359	81	88	Calm 0	Calm 0	10	7	—	Fine and warm.
28	29·91	29·99	59·6	56·4	43·4	62·1	4·8	2·6	·369	·380	72	84	Calm 0	Calm 0	9	10	—	Dull day.
29	30·08	30·07	59·8	58·9	48·1	66·9	5·1	3·3	·364	·398	71	80	WSW 1	SSW 1	9	10	—	Fair and mild.
30	30·14	30·28	58·7	55·2	55·2	66·6	4·7	2·1	·358	·376	72	87	WSW 1	Calm 0	10	10	—	∞ p.
Mean	29·867	29·871	59·0	55·9	47·7	66·6	4·6	2·3	·369	·384	73·9	85·3	0·8	0·5	6·8	6·1	1·241	

SWANBISTER.—JULY 1889.

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. Gravity Correction + ·036.

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·28	30·36	54·3	47·3	47·0	59·8	2·3	1·8	·357	·283	85	88	WNW 3	NW 1	8	2	—	
2	·39	·38	57·5	48·8	42·6	59·9	4·7	1·6	·342	·305	72	88	SSW 1	ESE 1	6	1	—	
3	·35	·29	57·0	53·0	43·3	60·2	3·0	1·5	·377	·361	81	90	SE 1	E 1	0	10	·010	
4	·26	·24	53·8	51·1	42·0	54·1	2·8	0·5	·337	·363	81	96	NE 2	NNE 1	10	10	·010	Overcast all day.
5	30·21	30·14	53·8	50·0	50·0	58·9	2·3	1·0	·350	·334	84	93	SE 1	Calm 0	10	3	—	
6	29·90	29·63	53·7	50·5	47·1	53·8	1·2	1·5	·379	·329	92	90	NW 1	NNW 5	10	9	·210	● 0 showers p.
7	·54	·49	50·5	48·1	46·1	53·1	2·5	1·1	·304	·308	83	92	NNW 6	NNW 5	10	10	·540	● showers all day.
8	·45	·63	51·1	50·5	46·8	52·2	0·5	0·5	·363	·355	96	97	NNW 5	NNW 2	10	10	·230	● showers.
9	·78	·82	52·8	50·5	48·6	57·1	4·4	1·7	·288	·324	72	89	NW 1	NNE 1	8	8	—	
10	·77	·75	53·1	50·8	46·1	55·1	1·6	2·1	·360	·318	89	85	NE 2	NNE 4	9	9	·010	● 0 showers p.
11	·83	·95	50·0	45·3	45·0	54·3	3·9	1·5	·267	·268	75	89	N 3	NNW 1	9	1	—	
12	·99	·99	55·2	50·7	39·2	57·9	6·0	1·7	·283	·326	65	88	S 1	SSE 1	3	7	—	
13	·90	·78	56·2	53·1	49·3	59·5	1·2	0·3	·416	·396	92	98	SSE 1	NW 1	8	9	·050	
14	·71	·66	58·0	52·2	49·0	60·0	7·5	0·7	·286	·372	59	96	WSW 2	Calm 0	6	7	—	
15	·60	·62	53·4	49·1	47·7	56·1	1·4	1·1	·368	·321	90	92	ESE 1	NNE 1	9	3	·200	
16	·67	·74	59·8	52·6	43·2	62·5	4·8	1·6	·371	·353	72	89	NNE 2	NNE 4	4	10	—	
17	·80	·81	53·0	49·3	48·6	53·1	3·8	2·7	·304	·286	75	82	N 3	NW 3	10	10	·010	
18	·75	·65	53·5	50·0	46·1	56·1	4·6	2·2	·292	·304	72	85	NNW 3	WNW 1	8	7	—	
19	·61	·63	51·2	49·6	43·2	57·1	1·4	1·6	·340	·314	91	89	NE 1	Calm 0	8	7	—	
20	·62	·55	54·0	51·5	45·0	58·7	1·3	1·2	·380	·350	91	92	SE 1	ENE 2	9	8	—	
21	·41	·37	56·0	53·0	50·6	56·5	3·0	1·0	·365	·374	81	93	ENE 3	WNW 3	10	10	·030	
22	·42	·56	55·8	51·0	48·9	59·1	4·7	1·8	·321	·328	72	87	W 5	Calm 0	7	9	—	
23	·62	·68	56·7	52·3	44·5	60·1	4·2	1·1	·343	·362	75	92	NW 1	ESE 1	7	4	—	
24	·59	·51	57·8	54·3	45·9	60·1	2·6	1·1	·402	·390	83	92	SE 2	ESE 3	2	3	—	
25	·51	·56	59·0	54·2	51·5	60·1	4·5	1·2	·367	·385	74	92	ENE 4	NNW 4	5	10	·030	
26	·62	·73	52·8	50·6	49·7	54·2	1·1	0·3	·369	·361	92	98	NNW 5	NNW 5	10	10	·010	
27	·79	·85	54·7	51·7	49·2	56·9	2·7	1·9	·352	·334	83	87	NW 6	NW 2	9	10	·020	
28	·83	29·88	52·7	54·2	51·0	58·8	0·3	1·9	·390	·366	98	87	W 1	WSW 1	10	10	·070	● 0 showers a.
29	29·95	30·02	56·1	55·8	52·1	64·0	1·4	1·6	·410	·399	90	89	SSW 1	Calm 0	10	10	—	Overcast all day.
30	30·06	30·06	58·2	55·7	54·3	62·5	2·3	0·7	·415	·423	85	95	SSE 1	ESE 1	9	7	·010	
31	29·94	29·88	55·0	56·0	52·8	57·6	0·4	0·7	·421	·428	97	95	SSE 3	SSE 1	10	10	·110	≋ before 9a. Overcast.
Mean	29·810	29·813	54·7	51·4	47·3	57·7	2·9	1·3	·352	·346	82·2	90·8	2·4	1·8	7·9	7·5	1·550	

DUNROBIN CASTLE.—JULY 1889.

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

1	30·37	30·41	57·9	56·7	53·1	64·6	4·9	1·7	·343	·409	71	89	NW	W	—	—	—	Dull day.
2	·41	·43	55·0	53·5	52·1	64·2	1·3	2·5	·395	·340	91	83	E	W	—	—	—	Fine a. Dull p.
3	·40	·38	57·0	56·3	46·9	59·6	4·5	2·6	·339	·379	73	83	SE	E	—	—	—	Fine day.
4	·32	·28	57·3	54·0	45·9	58·9	3·3	1·5	·374	·374	79	90	SE	SE	—	—	—	Fine day.
5	30·26	30·16	55·0	55·0	53·1	60·2	3·3	2·3	·342	·367	79	85	SW	SW	—	—	—	Dull a. Fine p.
6	29·99	29·77	56·7	52·0	48·6	61·4	2·7	2·3	·381	·328	83	84	S	NW	—	—	·260	Dull a. ● showers p.
7	·68	·65	52·0	50·0	47·6	56·6	5·3	5·0	·260	·245	68	68	NE	NW	—	—	—	Dull a.
8	·64	·78	53·5	52·5	47·1	56·6	3·0	2·0	·329	·342	80	87	SW	W	—	—	·320	● 2 showers p.
9	·82	·89	56·3	53·7	50·8	57·6	6·3	3·4	·291	·322	64	78	S	W	—	—	—	
10	·82	·79	54·5	52·5	50·1	56·3	4·0	2·0	·318	·342	75	87	SE	SE	—	—	—	Dull day.
11	29·86	29·99	53·5	49·0	47·8	56·9	7·5	2·0	·234	·298	57	86	SE	NW	—	—	—	Dull day.
12	30·07	30·05	54·5	51·5	41·2	56·5	5·0	3·2	·295	·300	70	79	SE	SW	—	—	—	Fine day.
13	29·95	29·85	57·5	57·0	46·9	60·9	4·2	4·0	·354	·351	75	75	SE	NW	—	—	—	Dull day.
14	·81	·77	55·5	52·5	47·2	63·2	6·0	2·5	·288	·328	65	83	SE	NW	—	—	·020	Dull day.
15	·68	·67	53·3	50·7	45·5	56·9	2·6	0·7	·336	·352	82	95	SE	SW	—	—	·040	Dull day. ● showers.
16	·73	·82	58·2	56·0	46·2	61·9	1·2	2·5	·448	·378	92	84	SE	NE	—	—	·080	Fine a. ● showers p.
17	·89	·90	51·5	55·0	48·9	57·4	1·2	4·3	·349	·318	91	74	NE	NW	—	—	—	Dull day.
18	·85	·86	58·4	53·5	48·6	65·4	9·9	4·0	·244	·305	50	74	N	NE	—	—	—	Dull day.
19	·70	·70	54·0	50·5	50·5	60·9	2·3	0·5	·352	·354	84	96	W	NE	—	—	·380	Dull a. ● showers p.
20	·68	·58	53·5	54·5	47·5	60·2	2·5	2·0	·340	·368	83	87	W	NE	—	—	—	Dull day.
21	·47	·52	55·0	50·3	50·3	59·2	4·0	4·3	·325	·262	75	72	SE	E	—	—	—	
22	·53	·63	56·0	49·0	46·1	59·2	5·0	3·3	·317	·270	70	77	W	W	—	—	·160	● 2 showers p.
23	·68	·73	56·3	52·5	46·8	61·9	2·6	1·5	·379	·354	83	89	SE	N	—	—	—	Fine and mild.
24	·66	·53	56·7	54·7	46·2	64·2	2·7	2·7	·381	·352	83	82	S	E	—	—	—	Fine day.
25	·52	·65	59·7	55·5	54·6	62·6	4·0	2·0	·391	·384	76	87	SE	E	—	—	·050	Breezy and cool a. Blowy p.
26	·73	·79	54·3	54·0	52·1	59·6	4·3	4·5	·308	·299	73	72	SW	NE	—	—	—	Dull a. Blowy p.
27	·89	·95	61·0	53·5	51·4	66·8	6·3	3·0	·351	·329	66	80	W	W	—	—	—	Calm p.
28	29·92	29·97	54·5	56·7	48·6	60·6	2·2	2·2	·362	·395	85	86	W	NW	—	—	·010	Dull a. Warm p.
29	30·01	30·08	58·6	58·0	54·4	63·9	2·6	3·7	·413	·375	84	78	E	NW	—	—	·020	Dull a. ● 0 showers p.
30	·13	30·12	56·0	59·9	48·4	63·4	1·3	4·2	·411	·389	91	75	SE	E	—	—	—	Fine day.
31	30·03	29·92	63·9	56·3	54·8	67·8	6·2	2·6	·396	·379	67	83	SW	NW	—	—	—	Fine and hot.
Mean	29·887	29·890	56·0	53·8	49·0	60·8	3·9	2·7	·343	·342	76·3	82·2	—	—	—	—	1·340	

BRAEMAR.—JULY 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction + ·027.

30/ 22·2·94

Baro. −·009 22·2·94

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·19	29·22	59·6	57·8	45·3	67·0	8·1	3·3	·293	·383	57	80	SW 2	W 1	4	7	—	
2	·23	·22	59·3	56·0	54·3	72·5	4·8	3·5	·364	·353	73	78	NW 0·5	NE 0·5	7	2	—	Fair, clear, and dry.
3	·17	·11	61·6	59·9	42·3	72·5	11·1	5·4	·256	·358	47	70	NE 1	NE 0·5	0	2	—	Fair, clear, and dry.
4	·08	·08	65·3	59·0	41·7	75·5	8·4	3·1	·361	·404	58	81	NE 1	E 0·5	0	1	—	Fair, clear, and dry.
5	29·10	29·01	53·2	57·6	47·1	74·5	2·7	3·9	·333	·364	82	77	E 1	SE 0·5	6	2	—	Fair, clear, and dry.
6	28·79	28·58	66·9	52·8	42·3	72·2	9·6	2·3	·356	·338	53	84	SW 0·5	W 0·5	5	8	·080	Dull *a.* ●⁰ showers *p.*
7	·49	·47	46·6	46·0	44·5	54·7	3·3	4·4	·243	·225	77	71	NW 0·5	NW 1	8	8	·050	Dull, with ● showers.
8	·43	·54	50·5	49·8	45·5	55·5	4·0	2·5	·271	·295	74	83	SW 2	NW 0·5	7	8	·040	Dull, with ● showers.
9	·65	·65	54·5	52·2	44·1	60·5	4·0	3·7	·318	·297	75	76	NW 0·5	NE 0·5	4	8	—	Fine day.
10	·59	·56	53·9	49·6	47·2	55·7	1·2	1·8	·381	·310	92	88	NE 1	NE 0·5	9	8	·370	● all day.
11	·69	·80	47·5	46·4	46·4	49·8	2·0	1·8	·281	·273	87	87	NE 1	NE 0·5	8	6	—	
12	·84	·84	51·9	51·8	44·1	59·3	4·7	3·1	·272	·307	71	79	NE 0·5	SW 2	8	8	—	Fine day.
13	·76	·67	59·6	57·6	45·3	67·3	5·1	3·1	·361	·385	70	81	SW 0·5	SW 1	4	8	—	Fine day.
14	·62	·37	55·5	50·5	48·0	61·5	7·3	3·0	·261	·293	59	80	SW 0·5	SW 0·5	6	7	·020	Fine day.
15	·48	·49	52·5	47·5	44·3	57·7	6·0	1·9	·252	·283	65	87	NE 0·5	NE 0·5	6	7	·100	●⁰ showers *p.*
16	·53	·61	53·0	51·8	46·3	57·9	4·5	4·3	·286	·280	72	73	E 1	NE 1	7	4	·120	Fine day.
17	·64	·69	49·0	46·8	46·8	54·3	2·3	3·3	·291	·246	84	77	N 2	N 2	8	7	·010	Cold. ●⁰ showers.
18	·65	·61	48·8	49·2	44·3	57·7	4·3	2·7	·247	·285	71	82	NW 2	NW 1	7	7	—	Fair, but cold.
19	·53	·53	52·5	50·3	46·5	58·5	5·0	3·8	·272	·273	70	75	SW 2	SW 0·5	7	7	—	Fair, but cold.
20	·48	·41	52·5	50·3	45·5	53·9	5·0	1·8	·272	·319	70	88	SW 2	SE 0·5	3	7	·04	●⁰ showers.
21	·29	·43	50·2	49·5	47·2	57·8	0·7	4·0	·346	·261	96	74	SE 0·5	NW 0·5	9	8	·020	●⁰ showers.
22	·39	·45	55·3	50·7	42·1	61·9	6·8	3·0	·268	·295	62	80	SW 4	SW 1	4	7	·010	●⁰ showers.
23	·49	·56	53·5	49·5	38·0	61·5	4·0	2·0	·305	·304	75	87	SW 5	E 0·5	7	4	·060	Fair *a.* T 5.30*p.* ●
24	·46	·38	55·3	52·5	36·4	59·9	5·2	4·0	·302	·294	70	75	S 2	S 0·5	4	8	·650	Fair *a.* ● *p.*
25	·26	·43	52·5	52·2	49·4	60·5	2·0	3·7	·341	·297	87	76	NE 1	NE 1	9	6	·090	● *a.* Fair *p.*
26	·54	·63	51·5	52·1	50·0	62·2	3·6	2·6	·288	·322	77	82	N 2	NW 1	7	7	—	
27	·73	·76	57·8	53·3	49·0	65·2	7·9	3·8	·275	·308	58	76	W 4	NW 2	4	3	—	Fine all day.
28	·73	·79	51·0	55·5	44·7	59·7	3·5	3·0	·288	·357	77	81	SW 0·5	SW 0·5	7	7	·020	●⁰ showers *a.* Dull *p.*
29	·82	·91	57·1	58·9	51·5	68·5	2·6	1·6	·390	·446	84	91	SW 0·5	E 0·5	7	8	—	Fine day.
30	·91	·91	59·8	59·4	50·5	72·3	3·3	4·1	·412	·384	80	76	E 0·5	SW 2	6	7	—	Fine day.
31	28·87	28·87	56·9	64·4	47·2	73·5	2·1	4·0	·400	·467	87	77	S 0·5	SW 1	5	6	·090	Fine day.
Mean	28·694	28·702	54·7	53·0	45·7	62·6	4·7	3·2	·309	·323	72·9	79·7	1·2	0·8	5·9	6·2	1·770	

82/ 693/ 22·2·94.

LAUDALE.—JULY 1889.

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

1	30·42	30·43	55·1	57·0	51·0	58·3	1·7	0·8	·385	·440	88	94	Calm 0	SW 1	10	10	·110	Overcast *a.* ≋⁰ (mist) ●⁰ *p.*
2	·42	·39	59·7	57·3	54·4	65·8	7·9	1·4	·298	·427	58	90	Calm 0	Calm 0	8	7	—	Dull and very close.
3	·33	·28	64·0	59·9	53·3	73·3	4·0	2·6	·461	·433	77	85	Calm 0	Calm 0	1	2	—	Fine and warm all day.
4	·22	·28	65·0	59·9	50·2	74·7	5·0	2·4	·447	·439	73	86	Calm 0	Calm 0	0	0	—	Fine and warm. ∞⁰
5	·22	30·19	63·2	59·0	50·6	69·8	4·4	1·9	·435	·439	75	89	Calm 0	Calm 0	0	0	—	Fine day. ∞⁰
6	30·10	29·78	59·9	54·9	49·0	59·9	4·4	1·9	·383	·376	75	88	N 2	NW 2	10	10	·020	≋² (mist) *a.* ●⁰ showers.
7	29·73	·71	52·0	49·1	42·6	56·9	4·1	2·4	·285	·290	74	83	N 6	N 3	7	3	—	Bright *a.* ↗ all day.
8	·70	·77	52·8	51·7	41·0	58·9	3·8	2·4	·301	·322	75	84	N 4	NW 2	9	10	·020	●⁰ showers.
9	·80	·73	56·0	58·0	50·2	66·2	3·2	4·2	·360	·362	80	75	Calm 0	Calm 0	10	10	—	
10	·69	·70	57·0	55·5	52·9	59·7	2·6	2·5	·388	·370	83	84	ESE 3	E 2	10	10	·180	↗ ● showers.
11	29·73	29·95	57·7	53·0	50·9	57·7	2·7	2·0	·397	·347	83	86	E 2	E 2	10	10	·040	●⁰ showers all day.
12	30·00	30·01	57·0	54·5	51·0	61·2	4·4	1·8	·341	·374	73	88	SSE 1	Calm 0	10	3	—	Cloudy *a.* Fine evening.
13	29·96	29·91	60·2	52·0	48·0	67·4	3·2	3·7	·420	·294	81	76	E 1	NW 1	3	3	—	Clouds moving in different directions.
14	·82	·74	52·8	52·7	49·2	60·3	2·6	3·0	·330	·319	82	80	W 2	W 1	10	10	·040	Overcast *a.*
15	·64	·66	53·4	52·2	49·6	59·8	3·5	2·1	·315	·335	77	86	Calm 0	SW 1	10	6	·260	Dull *a.* ●² showers.
16	·73	·80	56·2	55·7	49·0	64·7	3·8	3·5	·347	·348	76	78	NNE 1	Calm 0	9	3	—	
17	·85	·92	56·1	50·0	42·0	63·0	3·2	2·9	·362	·288	80	81	E 1	N 1	10	1	—	Fine day.
18	·90	·82	54·4	51·7	46·0	57·2	5·6	3·3	·281	·300	66	78	Calm 0	WNW 1	10	10	·060	●² showers *p.*
19	·73	·71	54·0	52·1	49·0	58·4	3·6	2·8	·320	·317	76	81	W 2	NE 2	9	10	·030	
20	·65	·55	57·0	54·4	49·1	60·9	4·5	3·1	·339	·338	73	80	NNE 1	Calm 0	9	10	—	Clouds from different directions.
21	·44	·57	58·5	50·9	46·2	62·9	4·1	3·5	·371	·286	76	77	N 2	N 4	8	6	·110	Cloudy *a.* ● showers *p.* ↗
22	·59	·62	55·3	52·0	49·3	61·4	4·0	2·4	·330	·325	76	84	WSW 3	Calm 0	9	3	·150	
23	·65	·73	58·0	52·0	47·2	63·8	5·1	3·0	·340	·310	71	80	Calm 0	SW 1	7	1	—	Clouds from all directions *a.*
24	·57	·42	57·0	53·4	45·3	59·8	4·0	0·7	·351	·388	75	95	S 5	S 3	9	10	·500	Cloudless *a.*, then suddenly overcast.
25	·42	·66	55·5	55·1	52·1	65·5	1·8	2·4	·389	·366	88	84	NW 1	N 6	10	4	—	[●² noon. ↗ noon—6*p.*
26	·77	29·88	57·3	58·2	51·0	66·3	4·6	6·0	·341	·321	73	66	N 6	N 4	4	5	—	↗. Gloomy *p.*
27	·99	30·02	57·3	53·1	51·2	62·0	4·1	2·2	·353	·344	75	84	N 4	NW 1	5	10	·020	↗ during day.
28	29·92	29·97	54·0	57·1	50·9	59·3	1·8	1·2	·366	·430	87	91	Calm 0	Calm 0	10	10	·010	≋⁰ (mist) *a.* Dull all day.
29	30·03	30·08	56·9	58·8	54·2	65·2	2·5	1·6	·389	·445	84	90	Calm 0	Calm 0	10	10	—	≋⁰ (mist) *qa.*
30	30·08	30·02	65·8	64·0	53·9	74·3	5·5	4·0	·446	·461	71	77	Calm 0	Calm 0	8	8	—	Very warm. ∞ *p.*
31	29·97	29·95	65·2	63·0	58·0	75·1	5·2	1·8	·444	·513	72	89	ESE 4	SE 1	8	9	—	∞² all day. Very close and warm.
Mean	29·874	29·879	57·6	55·1	49·6	63·5	3·9	2·6	·365	·366	76·5	83·5	1·6	1·3	7·8	6·6	1·550	

DUNDEE.—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·21	30·24	62·9	57·0	48·8	68·7	5·7	2·9	·394	·380	68	82	NW 1	NE 1	10	10	—	Cloudy. Dull from 3*p.*
2	·26	·25	60·7	51·0	51·0	66·7	4·7	1·5	·387	·336	73	90	E 2	E 1	10	7	—	
3	·22	·13	61·0	53·0	46·1	67·0	5·9	1·4	·361	·363	68	90	SE 1	NE 1	0	0	—	Fine day.
4	·11	·11	58·2	54·4	47·1	65·5	3·8	1·0	·374	·395	77	94	SE 1	SE 1	10	10	—	Cloudy. Dull from 2*p.*
5	30·11	30·03	57·5	53·6	52·2	67·1	3·5	0·6	·372	·394	78	96	E 1	NE 1	10	0	—	Dull till 1.30*p.*, then cloudless.
6	29·78	29·55	66·8	56·1	47·0	75·9	5·2	0·7	·474	·430	72	95	SW 2	SW 1	5	10	·060	Dull from 4*p.* ● from 8*p.*
7	·45	·48	53·7	49·8	48·2	62·7	5·0	3·4	·285	·276	69	78	NW 1	NW 4	10	10	—	
8	·45	·54	57·5	55·6	44·9	63·5	7·3	4·2	·283	·330	60	74	W 4	NW 2	10	10	—	Cloudy. Dull from 1*p.*
9	·67	·66	59·8	52·6	51·6	64·8	3·9	2·0	·395	·343	77	86	SE 1	NE 6	10	10	·160	Dull till 10*a.* and from 6*p.*
10	·56	·55	52·4	51·0	51·0	53·3	0·8	0·9	·371	·351	94	94	NE 6	NE 2	10	10	·360	● 5*a.*—7*p.*
11	·69	·85	52·0	49·4	49·4	53·6	1·1	1·3	·558	·320	92	91	NE 2	SE 1	10	10	·130	● 6*a.*—5.30*p.*
12	·91	·90	54·0	51·3	48·0	62·0	3·2	1·2	·329	·347	79	92	SE 1	SE 1	10	0	—	Dull till 11*a.*, and 1*p.*—5*p.*
13	·82	·69	63·2	58·2	46·1	70·6	4·2	1·0	·441	·454	76	93	S 1	NE 1	7	10	—	Dull from 3*p.*
14	·64	·59	59·4	53·3	50·3	68·7	5·8	3·6	·340	·312	67	76	SW 1	NW 1	5	5	·050	● showers 3*p.*—7.30*p.*
15	·49	·49	58·4	51·4	48·0	68·3	4·7	1·4	·355	·343	73	90	W 1	NW 1	5	10	·030	Cloudy. Distant T. ●⁰ showers.
16	·55	·62	57·4	51·0	48·5	66·9	4·6	0·2	·342	·369	72	99	E 1	N 1	5	10	·470	● showers. ↖ 11*a.*—4*p.*
17	·64	·71	54·2	49·5	49·0	59·8	2·8	2·9	·342	·282	81	80	NE 2	NE 1	10	10	—	Dull day.
18	·71	·63	54·4	54·5	39·1	63·5	4·8	2·1	·295	·365	70	86	NE 1	W 1	10	10	—	Cloudy.
19	·58	·55	57·5	55·3	47·8	66·7	4·3	2·3	·351	·372	74	85	SW 1	W 6	10	10	—	Dull day. T in NW., 2*p.*
20	·52	·39	56·4	53·3	49·0	58·0	3·0	0·6	·369	·390	81	96	SE 1	E 1	10	10	·090	Dull day. ●⁰ from 5*p.*
21	·24	·33	55·2	55·3	50·4	64·7	2·5	4·4	·365	·321	84	73	W 1	W 4	10	10	·020	Dull day. ● showers 5*p.*—6.30*p.*
22	·42	·47	60·5	54·3	44·5	66·9	5·6	3·3	·363	·331	69	78	W 4	W 1	5	5	—	
23	·51	·56	58·1	50·6	44·4	66·0	4·0	0·9	·369	·346	76	94	SW 1	N 1	10	5	—	Dull till 11*a.*
24	·51	·34	62·2	55·4	46·9	65·1	4·6	2·7	·414	·363	74	83	SW 1	SW 2	5	10	1·030	Dull day. ●⁰ showers from 5.30*p.*
25	·20	·43	54·0	52·4	52·4	60·7	0·7	3·5	·397	·394	95	77	SE 6	NE 2	10	5	·220	● *a.* ↗ (gale) noon—4*p.*
26	·49	·59	57·5	57·5	51·0	68·6	4·7	4·2	·342	·354	72	75	NW 1	NW 4	10	5	—	Dull till 1*p.*
27	·70	·76	65·6	55·3	50·4	71·8	8·7	1·5	·359	·394	57	90	N 2	NE 1	5	5	—	
28	·76	·80	54·6	55·6	48·1	67·5	3·6	1·7	·329	·394	77	88	NW 1	NW 1	10	10	—	Dull day.
29	·85	·90	63·4	62·5	53·1	74·0	3·8	2·7	·457	·474	78	84	SE 1	SE 1	10	10	—	
30	·96	·94	66·5	56·2	50·5	73·3	5·4	0·8	·461	·428	71	95	SW 1	NE 1	5	7	—	Fine day.
31	29·89	29·80	62·0	58·7	53·7	71·1	2·7	0·6	·465	·475	84	97	E 1	E 1	5	10	—	Dull at times.
Mean	29·706	29·705	58·6	54·0	48·7	65·9	4·2	2·0	·372	·366	75·4	87·1	1·7	1·7	8·1	7·9	2·620	

GLASGOW.—JULY 1889.

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

1	30·24	30·25	60·7	58·9	49·8	66·7	6·6	2·5	·339	·421	64	84	WSW 3	WSW 1	6	8	—	Fine day.
2	·23	·21	63·9	56·7	54·6	70·5	5·8	3·1	·407	·370	69	80	ENE 1	ENE 3	9	4	—	Fine day.
3	·18	·10	58·9	57·1	52·9	70·1	6·3	4·7	·323	·336	65	72	ENE 2	ENE 2	7	3	—	Fine day.
4	·08	·07	57·5	56·1	52·0	70·0	3·3	2·0	·377	·391	80	87	NE 2	E 2	10	10	—	Fine day.
5	30·08	30·01	58·5	59·5	54·1	69·7	5·1	4·5	·346	·374	71	74	ENE 1	ENE 1	10	8	—	Fine day.
6	29·82	29·59	66·9	54·9	54·9	69·1	6·5	2·8	·436	·353	66	81	W 2	WNW 2	8	10	·040	Fine day.
7	·50	·48	56·5	50·2	50·2	58·7	9·6	3·9	·229	·269	50	75	NNW 2	NNW 1	6	4	·050	●⁰ showers. ⌒ 7.30*p.*
8	·51	·57	55·0	52·4	41·3	60·8	7·1	3·4	·258	·305	60	78	W 2	W 2	5	10	—	Fine day.
9	·63	·56	55·4	54·8	47·4	65·9	3·8	1·2	·335	·394	77	92	NE 1	ENE 4	8	10	·638	Cloudy, with ●.
10	·45	·53	56·0	52·7	51·0	57·3	0·8	1·8	·425	·349	94	88	ENE 2	ENE 3	10	10	·400	Overcast, with ●².
11	·65	·81	54·1	49·0	48·7	54·5	1·9	0·9	·365	·324	87	94	ENE 2	ENE 3	10	10	·240	Overcast, with ●⁰.
12	·86	·85	52·4	54·6	48·0	62·8	3·1	2·2	·313	·365	80	85	E 2	ENE 1	10	10	—	
13	·79	·70	59·7	57·0	50·0	67·5	3·4	4·4	·407	·342	80	73	E 1	W 2	10	10	—	
14	·66	·59	57·2	51·9	46·3	60·1	5·6	2·4	·317	·324	67	84	W 2	WSW 1	8	10	·050	●⁰ showers.
15	·48	·48	55·2	55·8	45·0	60·9	4·7	6·6	·311	·277	72	63	SW 3	SW 1	10	8	·060	●⁰ showers.
16	·54	·61	57·0	52·1	44·8	62·4	5·8	1·2	·309	·357	66	92	NNW 1	WNW 1	8	8	·180	●⁰
17	·66	·70	54·7	57·6	48·7	63·6	1·3	4·2	·389	·356	91	74	W 1	E 1	10	9	·010	Cloudy, with ●⁰.
18	·70	·67	56·0	51·9	48·8	61·3	6·2	2·9	·288	·312	64	81	W 2	WSW 3	2	10	·012	●⁰ showers.
19	·59	·57	55·9	52·1	49·9	59·6	3·8	2·5	·342	·324	77	83	WSW 2	SW 1	10	10	·040	Overcast, with ●⁰.
20	·49	·35	54·8	53·8	50·5	58·5	4·0	1·6	·323	·369	75	89	SE 1	NE 1	10	10	·032	Cloudy, with ●⁰ showers.
21	·25	·39	58·1	50·6	50·6	65·6	3·8	4·0	·373	·271	77	75	WSW 1	WNW 3	7	5	·053	Cloudy, with ●⁰. ⌒
22	·47	·47	56·5	51·6	47·0	62·0	5·3	1·8	·315	·335	69	88	SW 3	S 1	9	8	·062	
23	·50	·55	54·1	52·2	50·1	60·8	2·6	1·4	·348	·353	82	90	ENE 1	SW 1	10	10	—	Gloomy and threatening.
24	·46	·26	59·0	54·3	43·8	61·5	5·2	1·1	·349	·389	70	92	S 2	E 1	7	10	·230	Overcast, with ●⁰.
25	·20	·43	54·2	54·6	50·0	60·0	1·9	5·5	·366	·286	87	67	NNW 1	N 1	10	4	·260	Cloudy, with ●².
26	·52	·63	59·3	57·0	50·1	69·1	4·3	4·7	·377	·335	75	72	W 1	SW 1	7	2	—	
27	·74	·78	61·9	54·4	48·3	70·1	7·0	3·3	·346	·334	63	78	WSW 1	SW 2	4	5	—	Bright and sunny.
28	·76	·81	55·5	56·0	50·9	61·2	2·9	1·5	·360	·404	82	90	WSW 2	WSW 1	10	10	·020	Overcast, with ●⁰.
29	·87	·93	59·9	60·1	54·9	67·5	3·4	2·4	·410	·443	81	86	SW 1	W 2	10	8	—	Overcast.
30	·93	·87	64·0	60·8	54·7	71·7	4·3	3·2	·451	·430	76	82	W 1	E 1	7	7	—	Cloudy and threatening.
31	29·82	29·76	63·9	66·7	57·0	75·2	4·1	4·1	·456	·505	77	78	NE 2	SSE 1	6	7	—	Fine and sunny.
Mean	29·698	29·695	57·8	55·1	49·9	64·4	4·5	3·0	·355	·355	74·0	81·5	1·6	1·6	8·2	8·0	2·377	

WOLFELEE.—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·76	29·78	60·0	60·0	40·4	67·2	6·6	2·9	·335	·426	64	83	NE	NE	—	—	—	Fine day.
2	·77	·75	62·0	54·0	52·8	70·2	4·4	2·4	·416	·350	75	84	NE	E	—	—	—	Fine day.
3	·72	·64	57·2	54·0	46·4	70·7	5·6	2·4	·316	·350	67	84	E	NE	—	—	—	Fine day.
4	·62	·62	57·0	54·0	50·3	70·2	1·9	2·4	·408	·350	88	84	NE	NE	—	—	—	Fine *p*.
5	·62	·56	56·5	52·0	50·3	64·5	3·9	1·4	·348	·351	76	90	NE	ENE	—	—	—	Dull *a*. Fine *p*.
6	·40	·18	55·0	50·5	38·4	67·5	4·4	0·9	·466	·344	76	93	W	W	—	—	·010	Fine day.
7	·05	·03	53·5	45·5	46·4	67·0	0·9	2·9	·384	·241	93	79	W	NW	—	—	—	Blowy *a*. Fine *p*.
8	·06	·09	55·0	44·0	33·0	64·5	5·9	1·9	·282	·246	66	85	NW	NW	—	—	—	Fine day.
9	·19	·13	59·0	56·5	34·0	67·7	7·4	2·4	·300	·387	59	85	SW	SE	—	—	·400	Fine *a*. Dull and blowy *p*.
10	·02	·05	60·0	52·5	50·3	71·2	1·4	1·9	·472	·344	92	87	SE	E	—	—	·700	● 2 in past *n*. Dull and blowy *a*. ●
11	·19	·35	52·0	52·0	48·3	64·0	2·4	1·4	·325	·351	84	90	NE	E	—	—	·190	● *a*. and *p*. [*p*.
12	·42	·41	51·●	54·0	46·4	57·0	0·4	2·4	·364	·350	97	84	E	SE	—	—	—	Dull *a*. and *p*. Blowy *p*.
13	·35	·26	59·5	57·5	44·4	64·0	3·4	5·9	·404	·314	80	66	NW	W	—	—	—	Fine *a*. Dull *p*.
14	·23	·17	56·5	52·0	50·3	69·7	5·4	2·9	·312	·313	68	81	W	W	—	—	—	Fine day.
15	·07	·05	56·0	48·5	43·4	63·5	5·4	0·9	·308	·319	68	93	SW	W	—	—	·370	Fine *a*. ● *p*.
16	·09	·15	55·0	46·0	41·4	60·0	3·4	0·4	·339	·301	79	97	NW	E	—	—	·050	Distant T *a*. Fine day.
17	·16	·28	51·5	42·0	38·4	63·0	0·4	2·4	·369	·218	97	82	N	NE	—	—	·180	● *a*. Fine *p*.
18	·26	·23	52·0	52·0	41·9	54·8	3·4	3·4	·301	·301	78	78	NE	W	—	—	—	Dull *a*. Fine *p*.
19	·17	29·15	54·5	49·0	46·4	63·5	4·4	2·4	·368	·289	73	83	W	SW	—	—	—	Dull and blowy *a*. Fine *p*.
20	29·08	28·85	52·0	52·0	43·4	59·5	1·4	2·4	·351	·325	90	84	SW	W	—	—	·220	● *a*. and *p*.
21	28·81	28·89	57·0	53·●	50·3	62·0	2·9	0·4	·380	·391	82	97	NW	W	—	—	·250	Dull *a*. ● *p*.
22	29·05	29·05	55·0	49·0	42·4	63·0	3·4	0·9	·339	·325	79	94	SW	SW	—	—	·150	Fine and blowy *a*. ● in afternoon.
23	·05	29·11	58·5	51·0	43·9	62·0	3·9	2·4	·376	·313	76	84	W	NW	—	—	·100	Cloudy *a*. Fine and clear *p*. [Fine *p*.
24	29·08	28·88	59·0	53·0	35·0	65·0	3·9	0·4	·383	·391	77	97	SW	SW	—	—	·200	Fine and clear *a*. Distant T. ● *p*.
25	28·74	28·94	52·0	51·0	46·4	65·0	0·9	1·9	·364	·326	94	87	SW	N	—	—	·150	● *a*.
26	29·03	29·17	58·2	54·5	42·4	58·5	3·6	0·9	·380	·399	78	94	N	N	—	—	—	Fine day.
27	·27	·32	59·2	56·5	47·3	65·2	6·1	2·9	·330	·374	66	82	N	NW	—	—	—	Blowy *a*. Fine day.
28	·31	·35	55·0	55·0	43·4	72·2	2·4	2·4	·365	·365	85	85	SW	WSW	—	—	—	Fine day.
29	·40	·48	60·0	60·0	51·3	63·0	3·4	1·9	·412	·456	80	89	W	W	—	—	—	Fine day.
30	·50	·45	64·5	61·0	46·9	75·2	5·4	1·9	·427	·473	71	89	SW	S	—	—	—	Fine *a*. Dull and blowy *p*.
31	29·42	29·37	66·0	62·5	46·9	77·7	3·4	2·4	·516	·483	81	86	SW	SW	—	—	—	Fine day.
Mean	29·254	29·249	57·1	52·7	44·6	65·4	3·6	2·1	·367	·347	78·7	86·3	—	—	—	—	2·970	

SCARBOROUGH.—JULY 1889.

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

1	30·24	30·27	60·0	56·9	55·5	64·3	3·5	3·6	·410	·361	79	78	NW 4	NW 2	4	6	—	Very fine, but with cool wind.
2	·24	·19	61·1	55·4	55·0	62·6	5·4	4·7	·373	·313	71	72	NE 3	NE 3	4	8	—	Fine, but with cool wind.
3	·15	·09	58·6	56·6	54·5	63·0	5·3	1·9	·342	·403	70	87	NE 3	N 3	7	9	—	Very fine. Evening overcast.
4	·05	·06	57·9	56·1	56·0	60·3	2·0	0·7	·419	·430	87	95	NE 3	NE 2	10	10	·040	Dull and damp, with ≋ ● 0.
5	30·08	30·03	64·6	59·2	54·5	66·8	5·0	1·9	·441	·443	73	89	NE 2	NE 1	4	0	—	Brilliant day.
6	29·89	29·56	64·6	64·1	47·5	76·7	8·3	4·8	·355	·437	58	74	SW 3	SW 3	0	8	—	Bright and hot.
7	·47	·49	56·4	50·0	50·0	65·3	3·6	1·2	·353	·329	78	92	NW 3	SW 2	10	6	·440	● showers *a*. Bright mid-day. ⅂ 6*p*.
8	·54	·60	58·9	54·9	43·0	68·7	7·2	6·8	·303	·263	61	61	W 3	SW 2	1	0	—	Brilliant and fresh. [●2.
9	·69	·61	64·1	58·2	47·8	66·3	7·8	1·3	·360	·444	60	91	E 1	SE 2	1	10	·290	≋ in evening.
10	·50	·41	59·6	58·0	56·8	63·6	0·8	0·7	·483	·461	95	95	SE 1	N 2	10	2	·180	Dull, with ≋ ●. Clearing in even-
11	·65	·81	59·8	54·6	54·6	68·7	1·9	1·3	·451	·388	88	91	SW 2	N 2	9	0	—	Bright, with fresh breeze *p*. [ing.
12	·87	·91	61·4	56·8	52·8	64·6	4·1	2·1	·413	·400	77	86	E 1	SE 1	3	1	—	Very fine, but with cool wind.
13	·85	·75	58·4	56·9	54·0	63·3	3·2	2·3	·393	·396	80	86	SE 2	SE 1	10	7	—	Very fine, but with cool wind.
14	·68	·66	60·6	56·2	52·5	64·3	3·6	2·2	·416	·386	79	86	SW 1	SW 1	9	8	·010	Fine *a*., then cloudy, with ● 0 showers.
15	·60	·56	61·1	51·6	51·6	64·0	6·8	2·3	·340	·323	64	84	W 3	SW 2	5	3	·090	Bright *a*. ● showers. T
16	·55	·61	60·1	50·6	46·5	64·1	2·0	1·3	·454	·335	88	91	W 3	W 2	4	5	·460	⅂ 2 noon. ▲ 2 ● 2
17	·58	·67	58·1	53·6	48·0	61·3	4·8	1·7	·348	·364	73	88	W 4	N 4	4	10	·140	Fine *a*. ● *p*.
18	·72	·70	55·3	54·8	49·0	57·8	5·3	2·9	·298	·348	69	81	NW 1	W 2	5	10	—	Fair *a*. Threatening and dark mid-
19	·68	·66	57·6	55·0	48·5	64·8	4·5	3·4	·348	·339	74	79	SW 2	SW 1	7	6	—	Fine and bright. [day.
20	·59	·38	61·8	58·6	48·5	63·3	6·9	1·6	·348	·443	63	90	SW 1	S 1	8	10	·150	Fine *a*. ● showers *p*. ● 2 *n*.
21	·32	·33	59·8	56·6	54·0	64·5	3·1	1·3	·418	·419	81	91	SW 4	W 2	5	10	·570	Bright *a*. ⅂ 4*p*. ● 2 *n*.
22	·56	·61	57·9	52·0	48·0	65·3	6·0	2·7	·317	·318	66	82	NW 4	SW 1	7	1	·010	Brilliant day.
23	·57	·58	58·3	51·6	48·0	62·1	4·0	0·8	·370	·361	77	95	SW 2	SW 1	8	4	·280	Bright *a*. ● shower, then fine.
24	·57	·46	60·8	56·8	43·5	64·3	4·7	2·0	·388	·403	74	87	SW 1	S 3	1	10	·160	Brilliant *a*. ● in afternoon.
25	·22	·26	57·1	55·8	54·0	62·3	0·0	1·0	·467	·416	100	93	S 5	N 5	7	10	·110	● early *a*., then fine. ● in afternoon.
26	·44	·57	55·1	54·6	53·0	56·3	1·0	1·8	·404	·375	93	88	N 5	N 4	10	10	·050	Overcast all day.
27	·67	·79	54·3	53·6	51·8	61·3	1·8	1·8	·370	·361	88	88	N 6	W 1	7	0	—	Stormy *a*., then brilliant.
28	·82	·84	59·6	56·8	52·0	66·3	3·6	2·2	·401	·397	78	86	SW 1	SW 1	9	9	—	
29	·89	·94	60·8	59·1	54·3	65·0	3·9	3·3	·410	·400	78	80	NE 1	NW 1	8	10	—	
30	·95	·97	66·6	59·1	54·2	70·8	6·0	2·8	·446	·415	68	83	E 1	SW 1	0	6	—	Fine and warm.
31	29·95	29·89	64·2	61·3	54·2	73·0	2·4	3·5	·514	·428	86	80	SW 1	S 3	1	3	—	≋ 9*a*.
Mean	29·728	29·717	59·8	56·0	51·4	64·7	4·1	2·3	·392	·384	76·6	85·5	2·5	2·0	5·7	6·2	2·980	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·32	30·31	61·0	58·0	53·8	69·3	4·2	1·2	·405	·445	76	92	NNW 5	NNW 5	4	8	—	Fine day.
2	·27	·19	66·8	62·0	58·0	71·0	5·5	4·6	·464	·410	71	74	NE 2	NNE 3	7	4	—	Very fine.
3	·19	·08	57·2	55·0	55·0	66·8	3·4	1·2	·370	·397	79	92	ESE 2	NW 1	8	4	—	Very fine.
4	·08	·08	63·0	60·0	54·0	68·6	4·5	1·1	·429	·482	75	93	ESE 2	E 2	4	2	—	Very fine.
5	30·10	30·04	57·5	54·0	54·0	65·8	1·0	0·9	·443	·391	94	94	ENE 3	NW 1	10	3	—	⌓ *a*. and *p*. Dull *a*. Fine afternoon.
6	29·93	29·70	66·2	55·0	52·0	72·8	4·6	1·6	·481	·386	75	89	Calm 0	NW 4	3	10	·044	Very fine. ● at night.
7	·61	·58	56·4	49·0	49·0	60·4	4·3	1·7	·337	·305	74	88	NNW 5	NW 5	4	2	—	Squally ↗ *a*. Very fine. Fresh breeze.
8	·63	·69	59·6	47·4	47·0	62·0	5·4	1·9	·353	·282	69	87	NNW 3	Calm 0	3	4	—	Very fine day. ⌓ 9*p*.
9	·65	·51	56·4	59·0	45·2	59·0	4·0	0·1	·345	·497	75	99	ENE 5	E 2	10	10	·612	Dull, with ≋ ●.
10	·43	·48	61·4	60·0	58·0	64·0	1·4	0·4	·497	·505	92	98	SE 3	Calm 0	9	10	·480	Dull, with ≋ 0 (mist). ● at night.
11	·71	·84	59·0	53·2	52·7	63·0	2·0	1·1	·436	·374	88	93	W 3	NNE 1	8	1	—	Fine day. ⌓ *p*.
12	·88	·86	61·3	61·8	44·0	65·8	4·3	0·6	·407	·530	76	96	S 1	NE 2	4	9	—	⌓ *a*. Fine day.
13	·82	·77	60·6	58·0	57·8	65·8	3·6	1·2	·415	·445	79	92	ESE 3	WNW 2	10	10	—	Dull day. ⌓ 9*p*.
14	·76	·70	59·0	53·7	53·0	61·0	5·6	2·7	·340	·338	68	82	WNW 3	WNW 2	8	8	—	Cloudy day.
15	·63	·60	58·4	51·6	50·0	60·2	5·8	1·9	·328	·333	67	87	W 5	WNW 3	6	7	·126	● 0 6*a*. Cloudy. △ 0 ● showers *p*.
16	·62	·66	56·0	51·2	48·7	62·0	3·9	1·2	·343	·345	76	92	NW 4	NW 3	4	4	—	Fine day.
17	·70	·78	57·9	53·0	50·0	64·8	3·3	2·0	·384	·347	80	86	NNW 4	NNW 5	10	4	—	Cloudy. Squally ↗.
18	·78	·78	58·0	52·2	48·0	61·2	6·0	1·4	·318	·353	66	91	NNW 5	NNW 1	6	10	—	Squally ↗ *a*. Fine day. Strong breeze.
19	·72	·66	57·0	54·2	52·0	61·5	7·0	4·0	·283	·313	61	74	W 4–5	SW 3	8	10	·122	Cloudy, with fresh breeze.
20	·50	·37	54·8	55·6	53·0	59·0	1·1	0·3	·398	·434	92	98	SE 3	NW 3	10	10	·465	Overcast, with ● ≋ 0 (mist). ⌒
21	·32	·50	60·3	51·6	51·6	60·8	3·1	4·0	·425	·283	82	74	WSW 3	NW 6–7	9	7	·264	Dull, with ● showers. Squally ↗ *p*.
22	·62	·57	58·3	53·0	48·0	60·1	4·3	1·4	·363	·363	75	90	W 5	SW 3	6	4	·045	Cloudy, with squally ↗. ● 5*p*. ⌒
23	·54	·62	54·2	57·0	45·4	60·0	1·3	0·6	·382	·446	91	96	SSW 2–3	NNW 1	9	0	—	Cloudy. ⌓ *p*.
24	·55	·37	54·7	55·2	40·0	57·0	1·3	0·3	·390	·427	91	98	S 3	W 1	10	7	·323	Dull and overcast, with ●.
25	·31	·48	55·0	56·3	48·8	60·8	2·0	1·5	·375	·409	87	90	NW 3	NNW 3	5	10	·005	Dull day. ● showers 2*p*.–4*p*.
26	·58	·71	59·4	53·1	43·0	61·8	3·3	2·0	·405	·349	81	86	NNW 5–6	NNW 6	4	6	—	Fine day. Squally ↗.
27	·78	·85	58·4	52·8	51·5	63·8	4·2	0·8	·367	·380	75	94	NNW 6–7	NNW 5	1	3	—	Fine day. Squally ↗.
28	·87	·88	56·2	54·0	52·0	59·0	2·3	0·8	·385	·394	85	94	SW 2	Calm 0	9	8	—	Overcast. ⌓ *p*.
29	·94	·99	65·6	54·0	42·0	69·8	5·4	1·0	·445	·388	71	93	W 1	N 2	6	2	—	Fine day. ⌓ *p*.
30	·99	·91	61·7	57·4	45·4	66·3	0·6	1·9	·520	·415	97	88	ESE 1	Calm 0	10	8	—	≋ 2 *a*. Fine afternoon.
31	29·86	29·84	63·4	59·4	53·8	70·3	3·1	1·2	·478	·468	82	93	SE 3–4	Calm 0	9	4	—	Fine day. ⌓ *p*.
Mean	29·763	29·753	59·2	55·1	50·2	63·7	3·6	1·5	·397	·395	79·0	90·1	3·3	2·4	6·9	6·1	2·486	

STONYHURST.—JULY 1889.

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

1	30·04	30·03	62·0	59·2	52·6	72·8	7·8	2·2	·328	·433	59	87	N 1	SWb.W 1	6	10	—	Fine and sunny *p*.
2	30·01	29·98	69·1	57·3	55·2	71·1	8·8	4·0	·409	·356	57	76	EbyN 1	ENE 1	8	5	—	∞ *p*.
3	29·94	·87	58·7	57·2	48·6	70·0	6·6	4·0	·313	·354	63	75	ENE 1	NE 1	9	2	—	Overcast, then fine and sunny.
4	·83	·84	62·0	59·9	50·2	68·9	4·9	4·2	·402	·389	73	75	NE 2	ENE 1	10	10	—	
5	·87	·80	59·7	63·2	55·3	73·1	4·7	3·5	·372	·463	72	80	E 1	Calm 0	10	10	—	Overcast, then sunny. ∞ *p*.
6	·69	·44	65·1	58·8	52·1	71·0	7·4	2·8	·383	·410	62	83	swb.w 1	SSW 1	0	10	·081	Sunny day. ∞.
7	·31	·32	58·0	52·2	51·1	61·2	5·8	4·1	·323	·287	67	74	swb.w 3	W 1	8	2	—	Sunny day.
8	·36	·44	58·0	50·2	43·2	61·1	6·7	3·9	·303	·269	63	75	W 2	Calm 0	6	2	—	Fine, clear, and sunny.
9	·43	·32	62·0	62·0	42·9	64·7	9·7	2·9	·287	·459	51	83	E 1	E by N 1	10	10	·180	Gloomy and overcast, with ●.
10	·24	·26	64·1	58·4	57·9	64·2	4·1	1·3	·460	·448	77	92	SE 1	W 1	10	9	·339	Gloomy and overcast, with ●.
11	·48	·61	58·0	54·5	53·9	65·1	2·9	3·1	·396	·339	82	79	swb.w 3	Calm 0	10	3	—	Overcast and cloudy *a*. Sunny *p*.
12	·63	·65	64·2	60·1	45·2	69·2	7·2	4·8	·374	·376	62	73	NEb.N 1	ENE 1	1	10	·060	Overcast and gloomy *p*.
13	·60	·52	56·1	57·4	54·3	60·1	1·6	2·8	·404	·390	89	83	NEb.N 1	Calm 0	10	10	·149	Dull and overcast, with ● 0.
14	·49	·49	57·2	54·5	53·0	61·5	2·1	2·5	·406	·354	87	83	WSW 1	W 1	10	10	·081	
15	·40	·37	52·2	51·0	50·1	59·9	1·0	2·0	·363	·323	93	86	WbyS 3	WbyS 1	9	8	·370	Squally, with ● showers. ▲ 2 ● 2 *p*.
16	·38	·41	54·7	52·7	48·5	59·6	3·7	2·7	·328	·326	76	82	WbyN 2	WbyN 1	8	9	·036	T ● *p*.
17	·41	·51	59·3	55·5	44·7	62·2	5·4	4·0	·349	·333	70	75	SW 3	N 1	4	10	—	Overcast *p*.
18	·53	·54	54·1	51·3	50·1	57·1	4·9	2·8	·291	·308	70	81	W 2	W 1	10	3	·005	Overcast *a*. Sunny *p*.
19	·49	·44	55·3	52·2	47·9	60·3	5·6	4·6	·293	·277	67	71	SSW 1	Calm 0	10	10	—	Overcast.
20	·33	·15	57·2	58·1	46·5	59·4	4·4	0·7	·344	·461	73	95	SE 1	SW 1	10	10	·578	Overcast, with ●.
21	·12	·16	58·0	55·1	52·9	61·9	1·9	1·0	·424	·405	88	93	WSW 1	WSW 1	10	10	·125	Overcast, with ● showers.
22	·40	·38	55·0	55·5	49·0	61·4	3·8	4·9	·330	·312	76	70	WbyS 2	SW 1	10	9	·040	Overcast, with ● showers.
23	·33	·36	58·3	54·6	48·6	62·0	4·7	2·9	·353	·347	72	81	SSE 1	Calm 0	8	10	—	T *a*. and *p*. Overcast *p*.
24	·37	·17	57·8	56·6	44·2	60·0	3·8	0·7	·369	·438	77	95	swb.w 1	S 2	10	10	·840	Overcast, with ●.
25	·07	·12	54·0	56·0	50·9	58·4	3·5	2·9	·322	·368	77	82	W 3	NW 2	10	10	·038	● 2 2*a*. Overcast.
26	·30	·39	58·0	55·4	46·9	64·8	4·8	1·1	·347	·407	72	93	WNW 1	SW 1	10	8	·105	⅂ 4*p*. ●
27	·51	·61	61·0	56·9	49·9	67·5	6·5	1·9	·346	·406	65	88	N 1	SW 2	5	10	—	
28	·64	·65	56·9	56·1	52·3	61·7	2·9	1·1	·378	·418	82	92	WSW 2	W 1	10	10	·016	Overcast, with ● 0.
29	·69	·75	64·2	56·7	52·1	68·6	4·2	1·7	·458	·409	76	89	WSW 1	WSW 1	8	1	—	Sunny *p*.
30	·74	·70	66·0	65·3	46·2	74·7	5·0	4·0	·464	·484	73	78	Calm 0	NbyE 1	7	10	—	∞ *a*. and *p*.
31	29·69	29·64	70·0	67·1	56·7	74·9	7·3	4·9	·467	·488	64	73	SSE 2	Calm 0	1	10	—	
Mean	29·526	29·513	59·6	56·8	50·1	64·8	5·0	2·9	·367	·382	72·1	82·0	1·5	0·9	8·0	8·1	3·043	

HILLINGTON.—JULY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·29	30·31	60·0	52·8	52·8	68·6	1·4	0·7	·473	·379	92	95	N 3	N 1	10	4	—	
2	·30	·25	60·3	55·0	47·9	64·4	4·5	3·3	·386	·342	74	79	NE 3	NE 4	10	10	—	Cloudy, then fine. ⊳ 9p.
3	·20	·14	57·3	54·9	54·0	61·3	2·5	1·3	·396	·393	84	92	NE 3	NE 2	10	10	—	Cloudy, then fine. Breezy. ⊳⊳ 9p.
4	·07	·08	58·1	57·1	53·6	66·4	2·4	2·5	·410	·393	85	84	NE 1	NE 2	10	10	—	Overcast and cool all day. ⊳ 0 9p.
5	30·12	30·10	66·7	52·9	48·2	71·3	4·3	1·0	·501	·373	77	93	NE 3	NE 1	2	0	—	
6	29·99	29·72	67·0	66·0	48·1	76·2	7·9	6·6	·400	·418	60	66	WNW 2	W 1	0	10	·012	Very fine, sunny, and breezy. ⊳ 2 9p
7	·59	·60	58·0	53·5	53·3	66·7	1·3	0·7	·441	·389	91	96	WNW 4	WNW 3	10	7	—	Very fine, sunny, and hot. Cloudy [from 5p.
8	·68	·71	58·5	51·7	45·4	69·4	6·7	1·2	·309	·352	63	92	W 0·5	SW 0·5	6	2	—	Overcast a. ⊳ 9p.
9	·76	·67	64·3	63·0	44·3	73·6	4·0	3·3	·467	·462	78	81	SE 2	SE 1	5	10	·118	Much cirrus. ⊳ 9p.
10	·61	·55	62·9	61·6	56·7	69·5	1·5	1·0	·520	·512	91	94	SW 3	SW 3	10	10	·203	≋ early a. Much cir. ● 2 9p.
11	·81	·88	64·5	62·0	52·5	72·8	4·8	2·4	·444	·477	74	86	W 5	SW 0·5	0	10	·040	Cloudy, with ● showers.
12	·89	·94	69·9	60·1	55·1	72·5	4·9	1·0	·541	·485	74	94	NE 3	E 4	8	10	·217	Very fine and sunny.
13	·85	·77	59·1	58·0	57·3	61·3	0·6	0·9	·483	·454	96	94	SE 2	ESE 1	10	10	1·230	Cloudy. ⊼ in SW. 9p.
14	·75	·79	59·6	55·3	55·2	68·7	2·3	0·6	·436	·419	86	96	NE 3	NW 1	10	9	·047	● 2 4a.—8a., and 10a.—1p. Overcast p.
15	·75	·74	58·9	53·0	52·1	64·4	3·2	1·8	·400	·353	81	87	SW 4	W 1	10	8	·020	● 2 early a. Very threatening.
16	·71	·68	59·0	49·8	47·9	65·4	4·3	0·5	·371	·345	75	96	W 3	W 1	6	3	·027	Cloudy. ⊼ in NE. 8p. ● 0 8p.
17	·67	·73	55·5	51·6	41·6	66·7	1·6	0·9	·394	·358	89	94	N 1	NW 1	8	2	·048	T 11a.—noon, and 3p.—4p. ● 0 3p.
18	·72	·82	55·2	53·7	49·2	61·4	3·0	1·2	·352	·378	81	92	W 2	NW 1	10	10	—	● 2 ⊼ 7a.—8a., and 8p. ● 2 10p.
19	·82	·75	59·1	57·2	44·8	69·0	1·4	2·5	·456	·394	91	84	W 3	SW 1	4	10	—	Overcast. Finer p. ⊳ 9p.
20	·70	·55	63·6	61·0	52·2	69·8	7·0	2·8	·371	·446	63	83	W 3	SW 4	9	8	·010	Fine, sunny, and breezy. ⊳ 9p.
21	·50	·48	61·6	55·0	55·0	67·3	4·0	2·2	·422	·370	77	86	SW 6	W 1	10	8	·102	Cloudy a. ● 0 showers.
22	·69	·74	58·6	53·3	51·8	64·6	6·7	1·5	·311	·365	63	90	W 5	SW 1	3	7	·010	Much T < p.
23	·67	·65	58·0	50·2	47·6	65·3	3·0	0·2	·393	·358	81	99	SW 1	SW 1	9	10	·382	⁄ early a. ⊳ 9p. [11p. Cloudy. ● 2 noon and at night. <
24	·68	·61	59·2	56·7	42·5	65·4	3·5	1·0	·396	·430	79	93	SW 1	SW 4	3	10	·052	Fine and sunny. ● 0 6p.
25	·40	·39	56·9	52·1	52·1	62·6	3·1	0·7	·373	·370	81	95	SW 5	W 1	10	2	·230	Fine and sunny a. ● 2 2p. and 5p.
26	·52	·64	56·7	55·2	50·7	57·7	2·0	1·7	·401	·385	87	89	NW 3	WNW 3	10	10	·060	Overcast, with ● 0.
27	·74	·87	54·7	51·0	50·1	61·9	1·1	1·3	·396	·340	93	91	NW 5	NW 2	10	1	·007	● 0 showers a. Fine p. ⊳ 9p.
28	·94	29·93	57·9	57·4	44·2	67·2	2·2	0·2	·413	·465	86	98	W 2	W 0·5	10	10	·088	Cloudy. ● 7p.—9p.
29	29·98	30·01	59·0	61·0	54·2	69·5	1·3	1·4	·457	·491	92	92	NW 0·5	NW 1	10	10	—	Overcast. ⊳ 9p.
30	30·05	30·05	69·9	60·4	57·0	77·1	3·2	2·0	·601	·459	83	88	SE 2	SE 1	2	10	—	Very fine and sunny. Much cir. ⊳ 9p.
31	30·05	29·99	69·9	60·0	54·3	77·4	6·3	5·3	·498	·361	67	70	SE 3	SE 2	0	8	—	Very fine and sunny. Much cir. ⊳ 9p.
Mean	29·822	29·811	60·6	56·2	50·7	67·5	3·4	1·7	·426	·404	80·5	89·3	2·8	1·7	7·3	7·7	2·903	

CHURCHSTOKE.—JULY 1889.

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

1	29·88	29·86	59·2	49·9	49·1	68·1	3·2	1·9	·404	·309	81	87	NNW 2	NW 1	6	2	—	
2	·82	·76	62·0	52·9	47·5	69·9	3·1	1·7	·453	·355	82	88	NE 1	W 1	8	0	—	Cloudy. ∞ 2
3	·72	·64	53·9	55·4	45·8	65·8	1·9	1·4	·362	·399	87	91	NE 2	SE 1	10	0	—	∞ 9a. Cold wind. Bright p.
4	·62	·61	55·4	58·0	50·8	70·2	2·2	1·0	·375	·451	86	93	E 1	SE 1	10	0	—	Cool. Bright p.
5	·64	·60	60·4	53·7	51·3	72·4	4·2	0·7	·396	·393	75	95	NE 1	SE 1	9	0	—	Cloudy, with cool wind.
6	·55	·25	68·0	61·0	47·0	76·9	4·7	2·1	·511	·467	75	87	SE 2	W 2	1	10	—	Bright and hot.
7	·19	·20	60·5	45·8	45·0	62·5	3·7	0·9	·412	·287	79	94	WNW 2	W 1	8	4	—	Cloudy and threatening.
8	·20	·26	56·9	47·7	41·0	67·9	2·9	1·3	·378	·301	82	91	E 2	NW 1	9	6	·090	
9	·19	·08	52·9	58·0	45·4	61·9	0·9	2·0	·375	·421	94	87	SE 2	SE 2	10	10	·352	Threatening.
10	·01	·17	59·0	56·4	55·0	67·1	1·1	1·4	·465	·413	93	91	SE 2	W 2	10	9	·540	Dull and warm. ● showers. Bright p.
11	·34	·43	61·0	54·9	50·4	68·1	5·5	0·9	·370	·404	70	94	WSW 3	NW 1	6	8	—	Bright and fresh.
12	·41	·42	63·8	58·5	50·1	72·4	4·4	1·5	·444	·443	75	90	NE 2	NW 2	6	9	·350	Haze on hills. Very close.
13	·35	·31	58·0	55·4	53·0	60·0	1·0	1·4	·451	·397	93	91	NNW 1	NW 1	10	10	1·650	T ● 2 in past n. Steady ● 2 all day.
14	·33	·35	57·2	54·1	52·0	64·3	1·2	1·9	·433	·365	92	86	NW 1	SW 2	10	10	·022	Dull and gloomy. Bright p.
15	·29	·25	55·9	49·9	49·4	61·9	3·9	0·9	·338	·335	76	94	W 3	WSW 2	6	5	·080	⌒
16	·24	·24	55·1	49·9	44·1	63·1	3·1	0·9	·348	·335	80	94	SW 2	NW 1	9	4	·010	● showers.
17	·26	·35	56·9	54·9	40·2	64·8	3·7	2·9	·357	·349	77	81	NW 2	NW 1	4	8	·036	Bright and breezy.
18	·37	·39	58·4	48·1	46·8	62·3	3·4	1·2	·386	·306	79	91	NW 2	NW 2	8	8	—	Cloudy and breezy.
19	·34	·26	57·4	46·8	44·0	65·4	4·0	0·9	·358	·298	75	93	SE 2	SW 1	6	9	·140	Cloudy and breezy.
20	29·08	·01	56·4	59·2	46·0	66·5	1·4	1·3	·413	·461	91	92	SW 3	SSW 2	9	10	·288	● showers early a.
21	28·94	·12	61·2	52·1	51·5	65·0	4·2	3·1	·407	·308	76	79	SW 2	WNW 4	9	9	·010	
22	29·28	·15	57·4	49·8	43·4	63·3	5·8	1·6	·316	·317	66	88	WNW 2	SW 1	9	8	·160	Cloudy, with ● showers. ⌒
23	·13	·17	56·7	50·9	48·8	60·7	4·9	0·9	·325	·349	70	94	SW 1	NW 1	8	8	·310	Distant T. ⌒ ● 2
24	29·21	·03	55·7	57·1	41·0	59·9	2·7	2·6	·366	·391	83	83	SW 2	SW 2	10	9	·105	Dull with ● showers.
25	28·94	·02	54·4	55·9	50·2	63·3	3·4	2·9	·331	·364	78	82	SW 3	SE 2	9	10	·010	Cloudy and fresh. ● 0 shower.
26	29·15	·29	59·5	52·3	48·1	65·1	7·0	2·9	·315	·317	62	80	NW 2	NW 2	10	2	—	Fine day.
27	·37	·48	58·0	52·4	48·2	66·9	4·2	2·4	·361	·330	75	84	NNW 2	W 1	6	2	—	Bright day.
28	·48	·49	60·0	56·9	48·2	65·8	2·3	0·9	·443	·434	86	94	W 2	W 1	9	6	·020	Dull day. ● showers p.
29	·53	·55	62·2	56·7	54·0	75·9	2·4	1·7	·479	·409	86	89	W 2	W 1	4	0	—	Bright and hot.
30	·56	·51	63·2	59·8	49·1	77·7	3·3	1·9	·465	·453	81	88	NW 2	NW 1	4	0	—	Bright and breezy.
31	29·48	29·45	68·2	58·0	56·5	77·1	3·3	1·0	·562	·451	82	93	SE 2	SE 1	9	0	—	Hot.
Mean	29·352	29·345	58·9	53·9	48·2	66·8	3·3	1·6	·400	·375	80·2	89·2	1·9	1·5	7·8	5·7	4·173	

CARMARTHEN.—JULY 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·26	30·22	63·7	55·9	48·2	68·4	8·3	1·5	·342	·403	58	90	N 3	N 1	2	0	—	Fine day.
2	·18	30·08	68·4	64·3	50·1	74·2	7·1	3·5	·444	·480	63	80	Calm 0	E 1	9	9	—	Overcast and threatening 9p.
3	30·08	29·99	64·8	54·7	52·8	69·6	8·9	2·0	·343	·371	56	87	E 2	Calm 0	0	0	—	Very fine.
4	29·95	·95	59·8	59·8	52·2	70·7	4·4	3·6	·381	·404	74	78	E 2	N 1	10	2	—	Fine day. ∞
5	·98	·94	68·1	60·8	52·3	75·7	9·0	2·5	·388	·453	56	85	Calm 0	N 1	0	0	—	Very fine.
6	·89	·68	72·9	57·8	52·4	77·0	8·4	0·9	·487	·451	60	93	Calm 0	Calm 0	0	0	—	Very fine.
7	·59	·56	61·3	56·7	56·1	68·0	5·4	4·0	·375	·348	71	76	NW 2	SW 1	9	10	—	
8	·54	·59	66·8	53·7	48·2	69·5	11·9	5·5	·304	·275	46	67	Calm 0	W 1	8	5	·180	● 0 2p.
9	·50	·41	58·2	59·8	51·6	63·2	1·5	0·7	·437	·491	90	96	SE 1	S 1	10	10	800	Overcast, with ● all day.
10	·31	·56	59·8	55·3	54·8	65·2	0·7	1·9	·491	·381	96	87	SE 2	SW 1	10	5	·040	
11	·73	·77	62·8	58·0	49·9	69·4	5·0	3·6	·410	·377	72	78	Calm 0	N 1	8	8	—	Fine day.
12	·78	·78	68·1	58·5	51·8	72·4	9·6	4·5	·373	·360	54	74	NW 1	N 1	8	8	·750	Fine day.
13	·72	·68	58·8	54·7	54·1	63·9	1·3	0·8	·454	·404	92	94	Calm 0	Calm 0	10	10	·282	Frequent ● showers.
14	·72	·71	65·3	56·7	54·0	67·2	6·0	2·5	·424	·386	69	84	N 1	Calm 0	6	9	·010	
15	·71	·64	58·8	55·2	52·8	63·2	6·4	3·2	·319	·346	64	80	W 3	W 3	8	7	·020	● 0 showers.
16	·65	·60	59·3	50·7	46·0	65·4	6·9	1·9	·315	·322	62	87	W 2	NW 1	7	0	—	Fine day.
17	·67	·74	65·3	53·7	43·9	67·0	8·2	3·3	·305	·325	58	78	NW 3	Calm 0	6	6	—	Fine day.
18	·77	·74	65·6	55·1	52·6	67·2	8·8	5·2	·356	·298	56	70	NW 1	W 2	7	10	—	Dull a. and p. Fine day.
19	·68	·62	60·6	55·7	51·0	68·2	5·7	3·5	·360	·346	69	78	S 1	W 1	9	10	·310	Fine day.
20	·45	·43	58·4	57·8	55·0	63·5	0·8	1·9	·464	·421	95	87	SW 1	SW 2	10	10	·480	Fine day.
21	·35	·61	61·6	50·4	49·9	65·8	4·8	3·2	·399	·286	73	79	W 4	Calm 0	10	0	·070	Dull, with frequent ● showers.
22	·69	·58	59·8	51·7	44·9	64·0	6·1	1·5	·339	·344	66	89	W 2	Calm 0	5	10	·140	
23	·53	·57	58·8	53·7	49·0	61·8	5·9	1·6	·330	·367	67	89	W 3	W 1	8	7	·200	Fine day.
24	·59	·45	53·7	57·0	48·9	60·4	1·5	1·8	·370	·412	89	88	Calm 0	SW 4	10	10	·250	Frequent ● showers.
25	·38	·43	55·1	56·5	51·6	60·8	2·3	2·1	·369	·396	85	86	SW 3	NW 1	6	2	·130	
26	·58	·67	60·3	55·7	50·8	63·0	3·9	2·9	·403	·361	77	82	NW 2	NW 4	4	6	—	
27	·81	·89	56·7	51·0	51·8	63·6	4·7	1·9	·331	·336	72	87	NW 3	NW 2	10	2	—	
28	·89	·87	60·0	58·4	49·1	62·7	3·5	0·5	·410	·472	79	97	W 1	W 1	8	10	·070	
29	·94	·95	60·6	61·3	55·3	74·2	2·3	2·0	·454	·475	86	88	SW 1	N 1	8	0	—	
30	·87	·85	67·7	64·0	51·8	73·0	6·0	5·5	·465	·416	69	70	E 1	SE 1	1	0	—	
31	29·81	29·81	70·3	61·6	60·8	76·7	6·8	1·5	·487	·496	66	91	S 3	S 1	4	6	—	
Mean	29·728	29·721	62·3	56·7	51·4	67·6	5·6	2·6	·393	·387	70·6	83·7	1·5	1·1	6·8	5·5	3·730	

MARGATE.—JULY 1889.

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

1	30·25	30·29	63·0	57·4	56·8	66·8	3·8	2·6	·447	·394	78	84	N 3	E 2	9	0	—	Fine day.
2	·27	·24	59·2	56·8	55·4	61·9	5·1	3·8	·355	·355	71	76	N 3	N 3	10	8	—	Dull day.
3	·15	·14	57·1	58·7	55·1	60·9	1·1	1·9	·433	·434	92	89	SE 3	E 3	10	10	—	Dull day.
4	·08	·07	58·0	56·3	55·8	60·5	1·2	1·5	·444	·409	92	90	E 2	E 4	10	10	—	≋ a. Dull and very dry.
5	·08	30·06	64·2	59·0	55·1	65·0	3·9	2·0	·464	·436	78	88	E 2	E 1	0	0	—	Fine day.
6	30·01	29·80	63·2	62·0	56·9	74·3	4·0	5·2	·446	·393	77	71	NNW 1	W 2	0	2	—	Fine, but dusty.
7	29·65	·65	66·5	61·3	56·1	70·8	5·3	5·6	·464	·371	72	70	SW 3	W 1	7	10	·100	● 0 1p. Hot day.
8	·69	·75	56·1	59·0	53·1	61·0	2·6	1·0	·374	·467	83	94	SW 1	Calm 0	10	10	·020	Close, with ● showers.
9	·79	·69	64·7	61·8	57·1	72·0	5·7	1·0	·421	·516	69	94	SSW 2	W 2	7	10	·770	● 9p. ⊼
10	·66	·69	64·7	59·0	58·2	76·0	2·9	2·1	·509	·433	84	87	SSW 4	SW 4	10	1	·010	● showers. ⁄
11	·89	·93	64·0	61·0	52·9	71·8	8·1	2·4	·349	·459	59	86	W 3	SW 2	0	10	·010	Very warm. ⌒ 8p. Pretty sunset.
12	·90	·93	62·5	60·8	59·8	68·0	1·4	0·8	·516	·505	92	95	S 1	E 1	10	10	·250	Dull and close.
13	·89	·77	64·0	53·1	58·0	70·2	1·2	1·3	·552	·443	93	92	SE 1	SW 2	10	2	·120	▲ 2 11a. Very fine.
14	·72	·83	60·5	58·7	56·3	63·5	2·2	2·1	·454	·428	87	88	SW 1	SW 2	10	10	·350	● 2 a. ⊼ 11a. Fine p.
15	·82	·79	60·0	54·1	54·1	64·8	3·8	1·3	·401	·381	77	91	W 3	W 3	9	9	·080	● in past n.
16	·77	·75	58·4	55·3	50·1	68·8	4·6	1·3	·357	·399	73	91	SW 3	SW 1	6	10	·330	● showers. ⌒ 7p.
17	·65	·76	55·0	55·1	51·1	62·2	2·5	2·3	·362	·369	84	85	W 2	W 3	6	10	·130	● 2 before 9a. ⊼ ▲ 1.30p.
18	·86	·86	58·3	57·8	53·0	65·0	4·3	1·4	·362	·434	75	90	NW 3	W 1	8	10	·010	● showers.
19	·85	·81	59·1	54·2	53·2	66·1	4·6	0·5	·366	·406	74	97	Calm 0	SE 2	10	0	·010	Very fine.
20	·76	·66	63·5	58·0	48·9	66·2	5·5	1·1	·407	·447	70	92	S 2	WSW 4	9	6	·050	● showers.
21	·60	·53	62·0	58·0	55·6	66·8	5·7	1·4	·379	·437	69	91	SW 4	SW 4	10	1	—	⁄ before 9a. Fine and bright.
22	·78	·81	58·0	53·1	50·9	65·3	1·2	2·9	·444	·327	92	80	W 4	W 2	1	0	—	⁄ before 9a. Much finer.
23	·72	·69	56·2	53·1	47·1	63·1	2·4	1·1	·381	·373	85	92	SW 3	SW 1	10	9	·050	● 0 < ⌒
24	·73	·72	57·1	57·0	48·1	66·0	2·8	1·9	·385	·409	83	88	SSW 2	SW 4	2	7	·030	Dull day.
25	·51	·46	62·5	57·4	56·2	67·3	6·3	2·4	·370	·400	66	85	W 4	WNW 5	9	10	·020	Dull, with ⁄ ●
26	·52	·65	56·8	58·8	52·9	64·3	1·9	3·4	·406	·394	87	79	NNW 3	SW 1	10	10	·090	Dull, with ● 0.
27	·74	·88	58·8	59·0	56·1	60·8	4·0	1·1	·377	·464	76	93	W 3	N 2	10	8	—	Chilly and rough.
28	29·96	29·97	60·0	60·0	50·9	68·1	3·2	2·1	·431	·449	81	87	N 2	N 2	7	8	·010	Fine day.
29	30·01	30·07	61·1	58·7	56·6	67·0	2·4	1·7	·461	·441	86	90	W 1	W 1	10	10	—	Fine day.
30	·07	·08	66·3	58·7	56·9	74·7	3·5	1·5	·518	·447	81	91	Calm 0	E 2	0	0	—	Fine, bright, and warm. ⌓ 9p.
31	30·07	30·01	65·5	61·6	56·5	68·2	6·5	1·7	·413	·489	66	89	SE 1	E 3	0	4	—	Very fine.
Mean	29·854	29·849	60·9	58·1	54·3	66·7	3·7	2·0	·421	·423	79·1	87·6	2·3	2·3	7·1	6·6	3·040	

SOUTHAMPTON.—JULY 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·31	30·31	66·4	62·7	53·8	75·8	7·3	3·9	·405	·441	62	77	NE 3	Calm 0	2	10	—	Beautiful day.
2	·30	·22	67·0	58·8	58·8	70·8	7·2	3·8	·419	·383	63	77	NE 2	NE 1	8	0	—	Beautiful day.
3	·19	·11	57·5	60·5	49·9	65·4	4·4	2·9	·349	·434	74	83	NE 2	NE 1	10	10	—	Dull and overcast.
4	·06	·05	62·6	62·0	57·2	76·3	3·4	3·0	·454	·456	80	82	NE 2	NE 3	10	0	—	Beautiful day.
5	·09	30·06	65·7	63·0	56·9	79·4	4·9	3·0	·463	·474	73	82	ENE 1	SSW 0·5	1	1	—	Very warm.
6	30·03	29·86	72·0	63·4	55·6	79·6	7·6	5·1	·495	·419	63	72	SW 1	SW 1·5	0	1	—	Very warm all day, but with pleasant breeze.
7	29·70	·71	67·3	60·6	56·9	72·1	4·2	4·5	·514	·391	77	75	SW 2·5	W 3	10	10	·108	Beautiful day, with pleasant breeze.
8	·68	·74	55·6	59·9	53·9	62·1	2·5	0·8	·372	·490	84	96	ENE 1·5	SW 1	10	10	·100	● showers.
9	·76	·64	63·2	61·4	58·1	67·2	3·9	1·0	·450	·511	78	94	S 2·5	SW 2	10	10	·340	Beautiful *a.* ● *p.*
10	·59	·73	61·5	58·7	58·5	67·9	1·0	2·1	·512	·429	94	87	SSE 2·5	SW 3	10	10	·302	● *a.* Very pleasant *p.*
11	·90	·92	65·1	61·5	52·3	70·7	6·0	1·7	·420	·489	69	90	SW 2	ESE 2	7	9	·030	Beautiful day. ● shower 9*p.*
12	·90	·90	63·6	61·0	58·9	76·1	2·0	1·9	·518	·473	89	89	NNW 1	SW 1·5	10	10	·130	Beautiful day.
13	·85	·78	59·1	59·5	57·9	66·9	0·8	2·0	·476	·445	95	88	WSW 1	SW 2	10	10	·088	● 9 showers.
14	·76	·87	60·2	59·0	55·3	70·3	0·6	3·1	·502	·404	97	81	NW 1·5	NW 2	10	7	—	Beautiful day.
15	·86	·82	63·3	55·2	53·5	67·3	5·5	1·2	·406	·401	70	93	WNW 2·5	SW 1	10	1	·210	Beautiful *a.* ● 2 showers *p.*
16	·82	·74	62·7	56·0	52·1	65·4	5·5	1·3	·397	·411	69	91	SW 2	SW 1·5	9	10	·307	Beautiful *a.* ● showers *p.* ● 2 10*p.* from
17	·75	·82	62·2	57·5	52·1	70·5	5·3	2·4	·394	·402	71	85	NW 2·5	WNW 1	4	6	·068	♈ 2 ♎ 2 ● 2 4*p.* Hailstones very large.
18	·89	·87	62·0	58·4	50·6	69·5	4·4	2·1	·416	·424	75	87	NE 1	WNW 0·5	9	10	·003	Fine and pleasant.
19	·86	·79	64·7	58·2	49·0	68·7	7·7	1·7	·369	·433	60	89	S 1·5	SW 1·5	1	3	·007	Beautiful day.
20	·72	·65	59·4	59·7	53·8	63·8	2·4	1·9	·431	·452	86	89	S 2·5	SW 3·5	10	10	·200	● *a.* Fine *p.*
21	·57	·64	60·7	58·5	57·2	67·8	1·6	2·4	·477	·417	91	85	SW 3·5	SW 2·5	10	5	·005	● showers *a.* Fine and pleasant *p.*
22	·84	·81	62·4	56·8	49·2	66·2	6·7	2·6	·361	·386	65	83	W 2·5	SW 1·5	7	9	·020	Beautiful day.
23	·72	·71	60·5	55·8	52·3	63·6	3·9	0·7	·406	·425	78	95	W 1·5	NW 2	9	10	·430	● 2 showers *a.* ♑ 2 ● 2 1*p.* and 6*p.*
24	·77	·68	61·4	58·3	50·6	62·6	4·3	0·3	·429	·477	76	98	W 2·5	SW 4	10	10	·140	● showers. [< ● 2 *n.*
25	·54	·52	61·3	57·5	55·7	64·2	4·5	1·1	·402	·439	74	93	W 3	SW 3	9	10	·040	● showers.
26	·62	·72	61·5	58·6	50·9	71·0	5·2	0·8	·385	·467	71	96	N 3	NW 1·5	9	9	·163	Beautiful day. ● 2 shower 8*p.* (*very* heavy).
27	29·84	29·93	60·7	58·7	49·9	72·3	3·8	2·6	·412	·414	78	84	NNW 3·5	W 1·5	10	1	—	Beautiful day.
28	30·00	30·01	65·1	61·0	51·1	71·1	6·1	2·5	·417	·455	68	85	NW 1	NW 2	10	10	—	Beautiful day.
29	·02	·06	66·1	60·9	58·9	75·5	4·5	1·7	·482	·478	75	90	NW 0·5	SW 1	5	1	—	Beautiful day. ♎ *n.*
30	·07	30·03	67·4	62·0	52·3	75·0	5·5	3·3	·475	·447	71	81	SE 1·5	SE 1·5	0	0	—	≋ early *a.* ♎ 9*a.* Beautiful day.
31	30·03	29·95	70·5	65·7	58·5	75·3	7·1	4·7	·482	·468	65	74	ESE 3	SE 1·5	0	1	—	Beautifully fine and warm, with pleasant breeze.
Mean	29·872	29·859	63·2	59·7	54·2	70·0	4·5	2·3	·435	·440	75·5	86·1	2·0	1·8	7·4	6·6	2·681	

BABBACOMBE.—JULY 1889.

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

1	30·13	30·09	64·1	61·0	52·8	70·2	6·3	5·2	·397	·378	66	71	N 2	N 1	3	0	—	♎ *n.* Very fine. ≋ 0 (mist) *p.*
2	30·07	29·98	64·8	54·8	54·8	70·4	6·0	2·0	·416	·373	68	88	ENE 1	Calm 0	0	1	—	∞ 0 till 8*p.* Fine day. ♎ 2 *p.*
3	29·95	·87	56·4	58·8	51·8	62·4	4·4	2·5	·334	·419	73	85	E 4	ENE 3	8	10	—	Dull and gloomy, with ≋ 0 (mist).
4	·82	·82	57·8	62·1	57·0	67·4	1·6	2·3	·430	·479	89	86	E 3	NE 2	10	5	—	Dull *a.* ≋ 0 (mist). ♎ *p.* [♎ *n.*
5	·87	·85	59·7	59·8	55·1	68·0	2·9	4·4	·421	·381	83	74	NE 3	WNW 2	8	1	—	≋ 0 (mist) *a.* Fine day. ♎ *n.*
6	·82	·68	68·5	61·5	52·6	78·8	6·7	3·7	·457	·427	65	78	ENE 1	WSW 2	1	0	—	Very fine. Humidity 39 % at 1*p.* ∞
7	·53	·51	64·8	58·0	55·6	67·7	6·0	1·0	·416	·451	68	93	WNW 4	WSW 1	10	10	·320	Squally *a.* ≋ 0 (mist). ● 2 10*p.*
8	·44	·52	55·0	57·6	54·3	60·8	0·0	0·7	·433	·454	100	95	ENE 2	SW 2	10	9	·390	≋ *a.* and *p.* ● 2 *a.* ♎ *p.* [(mist).
9	·45	·37	57·8	58·3	56·1	59·6	0·0	0·1	·479	·483	100	99	SSE 4	SSW 3	10	10	·960	● 2 *a.* and *p.* Dull and gloomy. ≋ 0
10	·25	·53	53·0	55·8	55·8	66·9	0·0	2·0	·465	·380	100	87	SSE 3	SW 3	10	3	·310	Dull, with ● 2 *a.* ≋ 11*a.* ♎ *p.*
11	·95	·69	60·7	55·9	51·5	61·0	3·8	0·3	·412	·437	78	98	S 2	W 1	9	4	·050	♎ 2 *n.* and *p.* ● 10*a.*—1*p.* ≋ 0 1*p.*
12	·68	·69	63·0	59·6	51·1	70·6	3·4	4·8	·461	·369	80	72	NE 1	NW 2	8	9	—	
13	·64	·60	64·4	57·8	56·3	68·8	6·8	2·9	·388	·393	63	82	W 2	W 1	8	9	·080	● showers *p.* Parhelion 6*p.*
14	·61	·69	62·9	56·9	55·2	70·6	3·3	3·1	·462	·373	81	81	NW 3	W 2	7	4	—	≋ 0 (mist) *a.* Clear 3*p.*—8*p.*
15	·66	·62	60·0	54·1	54·1	65·6	5·0	2·0	·369	·362	71	86	WNW 2	W 3	10	8	·060	● showers. ● 2 3*p.*
16	·60	·50	57·7	53·4	52·2	60·2	3·6	0·0	·373	·409	78	100	WSW 3	ENE 1	10	10	·230	Dull, with ● showers. Scotch ≋ 8*p.*
17	·57	·66	62·8	53·8	48·6	67·8	5·9	3·0	·386	·334	69	80	NW 2	WNW 2	6	1	—	Fine and clear.
18	·68	·66	61·3	56·0	50·3	63·5	3·8	0·4	·421	·436	78	97	ENE 1	WSW 2	9	3	·100	● *a.* ≋ 0 (mist) ♎ *p.*
19	·62	·57	60·3	56·0	46·0	69·4	2·9	2·1	·430	·386	82	86	NE 1	SW 2	2	9	·090	Parhelion 6*p.*
20	·42	·44	59·1	57·7	53·5	66·4	0·0	0·9	·501	·449	100	95	SW 3	WSW 4	10	9	·060	● ≋ 0 (mist) *a.* Dull, with ●
21	·34	·52	60·3	56·4	55·3	66·7	1·9	3·5	·461	·356	88	78	WSW 5	NW 3	9	8	·020	● showers. [showers *p.*
22	·64	·58	60·8	54·0	47·4	66·5	6·9	2·4	·334	·351	63	84	WNW 2	WSW 2	8	4	—	♎ *p.*
23	·49	·53	60·0	56·6	50·5	64·1	4·4	2·6	·384	·382	74	83	WSW 3	WSW 2	8	8	·080	● showers.
24	·57	·43	55·1	58·8	51·5	63·6	0·6	0·3	·416	·485	96	98	SW 2	WSW 4	10	10	·140	≋ 0 (mist) *a.* ● *a.* and *p.*
25	·34	·33	56·5	55·6	54·1	61·8	1·5	0·6	·412	·424	90	96	WSW 4	WSW 2	8	8	·170	● showers. ♎ *p.*
26	·45	·57	61·9	55·9	51·1	67·7	4·3	2·1	·416	·385	75	87	NNW 3	NW 3	7	1	—	♎ *n.* and *p.* ≋ 0 (mist) *a.* Parhelia
27	·65	·76	61·0	55·1	51·3	66·2	5·1	3·2	·381	·345	72	79	NNW 5	NW 3	0	2	—	Squally *a.* Very fine day. [7*p.*
28	·79	·80	63·1	58·1	52·5	68·2	3·8	1·1	·451	·449	78	92	WSW 1	WSW 2	10	10	—	≋ 0 (mist) *p.* Gloomy evening.
29	·81	·83	68·1	60·6	56·9	72·1	6·3	1·5	·464	·479	67	91	NE 2	W 1	3	1	—	Fine and clear. ♎ 2 ≋ 0 (mist) *p.*
30	·82	·77	57·7	59·0	54·6	63·7	0·7	1·8	·456	·443	95	89	ESE 2	E 2	10	3	—	Scotch ≋ 0 (mist) *a.* ♎ Dull till 3*p.*
31	29·74	29·71	68·6	60·2	58·4	68·6	5·2	1·2	·505	·480	72	93	SE 2	ENE 1	1	1	—	♎ *n.* and *p.* Fine day. ≋ 0 (mist).
Mean	29·647	29·650	61·0	57·4	53·2	66·6	3·6	2·1	·424	·412	79·4	87·2	2·5	2·1	7·2	5·5	3·060	

LONDONDERRY.—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·41	30·41	58·4	58·2	52·5	67·5	2·5	2·0	·412	·424	84	87	SW 2	NW 1	10	10	—	
2	·38	·30	61·0	57·7	55·0	73·0	3·5	2·0	·425	·417	80	87	SE 2	SE 2	10	0	—	Fine day.
3	·26	·12	68·7	59·0	49·9	77·9	2·1	3·7	·616	·388	88	78	SE 1	NE 1	2	0	—	Fine day.
4	·13	·12	70·7	60·9	51·2	79·2	9·0	0·4	·431	·522	57	98	NE 1	ENE 1	0	0	—	Fine day.
5	·16	30·12	71·8	62·0	54·0	79·5	7·1	3·2	·507	·450	65	81	SW 2	E 1	0	0	—	Fine day.
6	30·04	29·83	60·7	54·9	53·0	68·0	3·0	2·2	·434	·368	83	86	NW 2	SW 2	10	10	·030	
7	29·74	·71	57·2	50·7	47·0	60·2	7·5	3·9	·275	·275	59	75	NW 3	NE 2	2	7	·100	● showers during day.
8	·72	·77	54·2	51·2	45·5	66·9	5·0	3·5	·290	·290	69	77	NW 2	N 2	8	0	—	Fine day.
9	·73	·55	53·2	53·7	41·0	54·9	2·8	0·8	·330	·390	81	94	NE 2	NE 2	10	10	·310	● all day.
10	·48	·58	59·2	57·7	53·0	66·0	1·2	1·0	·404	·446	93	93	NE 2	NW 2	10	10	·310	● *a.* and *p.*
11	·75	·87	57·7	55·7	53·1	63·0	1·1	1·1	·443	·412	93	93	WSW 1	NE 1	10	9	·010	
12	·92	·93	61·5	57·4	48·0	70·7	3·5	1·2	·433	·435	80	92	NE 1	SW 1	7	10	·260	● in evening.
13	·90	·88	63·2	54·6	49·0	68·0	4·2	3·0	·441	·343	76	81	NW 2	NW 1	6	10	·020	Fine day.
14	·82	·75	55·7	51·0	50·0	59·0	4·7	1·1	·319	·346	72	92	NW 2	SW 2	10	10	·230	● showers all day.
15	·65	·67	51·6	50·2	48·3	59·6	2·1	1·2	·328	·332	86	92	NW 2	NW 1	10	9	·180	● showers during day.
16	·69	·79	57·2	51·7	47·0	65·0	4·5	1·7	·342	·339	73	88	NW 2	N 1	10	2	·020	● *a.* Fine in afternoon.
17	·85	·85	58·2	51·7	48·0	59·3	4·8	3·0	·359	·307	72	80	NW 1	N 1	9	10	—	
18	·90	·85	55·0	52·6	50·0	58·2	5·3	2·4	·295	·332	69	83	NW 2	NE 2	10	10	·040	
19	·75	·68	54·5	53·6	48·0	58·7	3·6	3·0	·328	·329	77	80	SW 2	SE 2	9	10	·010	● showers.
20	·54	·45	55·4	54·7	48·0	57·7	3·3	0·9	·348	·402	80	94	SE 2	SW 1	10	10	·360	● noon—6*p.*, and at night.
21	·35	·65	58·7	51·7	48·0	58·7	1·2	3·4	·457	·298	93	78	SW 1	NW 2	10	3	·030	● 2 11*a.*—1*p.*
22	·62	·57	56·2	51·4	49·0	61·6	4·0	1·7	·342	·356	75	88	SE 2	SW 2	10	10	·090	
23	·58	·68	56·2	53·7	48·2	68·2	3·3	2·3	·360	·348	79	84	N 1	SE 1	10	1	·090	Fine and clear.
24	·47	·40	53·7	53·2	49·0	61·2	1·5	1·6	·370	·360	89	89	S 3	SW 2	10	10	·130	● showers.
25	·42	·63	58·0	56·7	46·0	63·6	4·8	2·0	·347	·401	72	87	NW 2	NW 1	2	2	—	
26	·78	·94	58·8	53·7	51·5	60·5	4·1	3·3	·375	·324	76	78	NW 2	NW 2	9	10	—	
27	·99	·99	59·2	54·7	51·5	64·5	5·7	3·2	·340	·340	68	80	NW 2	NW 1	4	8	·070	Fine day. ● at night.
28	·88	29·96	56·9	57·7	50·0	70·0	1·8	2·0	·409	·417	89	87	SW 1	SW 2	10	10	—	
29	·99	30·03	66·2	58·2	54·0	71·9	5·8	1·4	·444	·442	69	91	SW 2	SW 1	7	1	—	Fine and clear.
30	·99	29·92	66·7	63·6	53·0	78·3	5·9	5·2	·450	·419	69	71	SE 2	SW 2	4	10	—	Fine and clear.
31	29·84	29·86	65·7	61·2	57·0	76·0	5·0	2·2	·459	·467	74	87	SE 2	SW 1	10	10	—	
Mean	29·829	29·833	59·4	55·3	50·0	66·0	4·0	2·2	·392	·377	77·1	85·5	1·8	1·5	7·7	6·8	2·800	

ARMAGH.—JULY 1889.

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

1	30·28	30·26	61·0	60·9	52·1	69·4	4·2	1·3	·405	·491	76	93	WNW 0·5	NW 0·5	10	10	—	Overcast all day.
2	·23	·15	60·2	57·8	52·1	67·5	2·3	1·0	·447	·449	86	94	NW 0·5	Calm 0	10	10	—	Overcast all day.
3	·12	·02	61·0	56·1	49·7	68·7	4·8	3·5	·388	·354	73	78	NEbyE 1	EbyN 0·5	7	10	—	
4	·01	30·01	63·1	60·2	46·3	72·2	4·4	3·0	·433	·426	75	82	E 1	Calm 0	5	0	—	
5	30·04	29·99	59·9	59·9	56·0	71·8	1·8	1·8	·457	·457	90	90	Calm 0	Calm 0	10	0	—	
6	29·88	·68	69·2	56·6	50·6	76·5	4·9	2·7	·527	·380	74	82	NE 0·5	W 0·5	0	10	·030	
7	·60	·58	54·1	48·5	45·2	61·8	5·4	1·7	·281	·266	68	88	NNW 1	Calm 0	7	2	·010	
8	·58	·63	56·1	52·2	32·0	60·8	5·8	3·8	·301	·294	67	75	Calm 0	Calm 0	8	10	·010	
9	·59	·39	49·7	52·2	43·6	54·5	1·8	0·0	·312	·391	88	100	NE 0·5	Calm 0	10	10	·450	
10	·34	·46	57·1	57·1	52·0	62·7	0·4	0·0	·455	·467	97	100	Calm 0	Calm 0	10	10	·880	
11	·64	·74	61·3	55·7	52·8	69·0	4·9	1·0	·391	·416	72	94	SW 0·5	NNE 0·5	5	2	—	
12	·79	·81	63·1	53·2	49·5	70·3	3·9	3·5	·448	·313	77	77	NE 0·5	Calm 0	2	0	—	
13	·76	·74	63·1	56·2	43·7	71·3	6·4	2·3	·378	·385	66	85	SbyW 0·5	Calm 0	0	10	·005	
14	·71	·65	57·3	52·2	46·3	63·0	3·1	3·0	·380	·313	80	79	WSW 0·5	WSW 1	10	10	·100	
15	·56	·56	53·1	50·2	47·8	59·2	2·0	2·0	·349	·312	86	86	WSW 1	WSW 0·5	10	6	·250	
16	·57	·64	59·7	48·6	45·7	62·1	5·6	1·3	·350	·310	68	91	Calm 0	Calm 0	4	0	·035	
17	·70	·78	58·1	51·9	42·5	63·0	4·2	1·7	·364	·341	75	88	NbyW 1	Calm 0	9	10	—	
18	·77	·72	52·9	52·5	48·7	58·0	3·8	2·6	·303	·327	76	82	Calm 0	Calm 0	10	10	·010	Overcast all day.
19	·65	·55	53·9	53·9	48·2	58·5	3·5	3·7	·321	·316	77	76	Calm 0	Calm 0	10	10	·090	Overcast all day.
20	·39	·34	53·5	54·9	49·9	58·8	0·4	0·5	·399	·416	97	97	E 0·5	Calm 0	10	10	·400	Overcast all day.
21	·24	·54	57·9	49·9	49·2	59·5	2·1	2·2	·417	·304	87	86	swbyS 1	Calm 0	10	10	·280	
22	·54	·47	57·2	49·1	47·6	60·9	4·6	0·6	·339	·334	72	96	SW 1	Calm 0	10	8	·190	
23	·43	·55	54·7	52·7	48·2	64·3	2·5	2·0	·358	·344	83	87	Calm 0	Calm 0	10	2	·060	
24	·43	·29	52·9	53·2	48·8	62·2	1·2	2·0	·367	·349	92	86	SbyE 3	Calm 0	10	10	·035	
25	·27	·48	52·9	56·6	46·8	64·7	0·4	1·7	·390	·408	98	88	Calm 0	Calm 0	7	10	—	
26	·63	·77	55·6	52·7	48·4	65·0	2·0	3·5	·386	·307	87	77	NW 0·5	NNW 0·5	10	7	—	
27	·83	·86	58·0	54·7	48·7	68·8	5·8	2·2	·334	·366	67	86	Calm 0	Calm 0	3	10	·100	
28	·78	·82	53·9	56·9	50·6	67·5	1·1	4·1	·384	·348	93	75	swbyS 1	Calm 0	10	7	—	
29	·88	·90	62·7	61·6	47·8	71·7	3·6	2·7	·450	·460	79	84	Calm 0	Calm 0	7	0	—	
30	·87	·80	67·9	58·2	50·0	70·7	7·7	2·0	·420	·424	61	87	SE 1	Calm 0	2	10	—	
31	29·73	29·73	64·3	61·1	57·0	72·8	3·5	2·2	·482	·466	80	86	S 1	Calm 0	5	3	—	
Mean	29·704	29·706	58·3	54·7	48·3	65·4	3·5	2·1	·388	·372	79·6	86·3	0·6	0·1	7·5	7·0	2·915	

MARKREE CASTLE (SLIGO).—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·36	30·34	61·1	56·2	52·5	65·7	4·2	1·0	·406	·422	76	93	Calm 0	N 1	9	10	—	
2	·28	·20	60·7	63·9	52·8	73·4	1·6	2·8	·477	·496	91	84	SSE 1	NW 0·5	10	7	—	≋ before 9a.
3	·14	·07	62·7	56·3	46·1	72·0	3·7	2·5	·445	·382	78	84	SE 2	SE 0·5	9	0	—	
4	·04	·05	65·2	60·2	42·8	73·7	5·1	2·1	·447	·453	73	88	SE 0·5	Calm 0	0	3	—	Fine day.
5	30·07	30·04	68·9	62·9	56·1	76·2	5·6	1·8	·497	·511	70	90	SE 1	Calm 0	2	3	—	∞ 9a.
6	29·97	29·80	60·7	55·4	50·2	63·0	2·5	2·3	·449	·374	85	86	NNW 2	W 2	7	10	·030	≋ before 9a.
7	·71	·67	57·7	48·3	48·0	58·0	5·6	2·5	·323	·279	68	83	NNW 2	NW 0·5	7	6	·010	
8	·66	·69	54·9	50·1	33·3	62·0	5·6	1·5	·288	·323	67	89	Calm 0	Calm 0	8	8	·030	
9	·62	·50	54·1	51·1	40·6	54·1	3·2	1·9	·331	·327	79	86	Calm 0	Calm 0	10	10	·030	
10	·42	·54	56·2	56·4	50·2	61·7	1·8	2·3	·399	·388	88	86	NW 0·5	WSW 0·5	10	10	—	Overcast all day.
11	·69	·81	63·1	57·0	49·6	63·6	6·0	3·0	·389	·377	68	81	SSE 1	Calm 0	6	7	—	
12	·84	·86	63·9	58·2	51·7	69·6	4·9	2·1	·432	·421	72	87	ENE 1	Calm 0	7	8	·020	
13	·84	·84	61·4	53·0	51·9	63·6	4·3	3·5	·409	·311	76	77	NNW 1	NNW 0·5	6	9	—	
14	·79	·74	56·5	51·1	50·2	58·0	5·4	1·9	·312	·327	68	86	N 2	WSW 1	9	9	·290	
15	·65	·66	51·2	50·2	48·1	59·3	1·2	0·6	·345	·348	92	93	W 1	Calm 0	9	10	·360	● showers.
16	·65	·73	54·2	52·0	46·2	61·4	1·7	1·1	·372	·358	89	92	SSW 0·5	Calm 0	7	10	·050	● showers before 9a.
17	·81	·88	55·1	53·0	40·1	60·4	1·4	3·7	·394	·306	90	76	NNW 1	NW 0·5	10	10	·030	
18	·86	·81	54·1	51·4	47·8	56·2	5·2	3·2	·285	·300	69	79	NNW 1	W 1	10	10	—	Overcast all day.
19	·72	·59	56·2	53·6	48·6	59·0	4·4	3·5	·332	·318	73	77	S 1	SSE 1	9	10	·030	Overcast all day.
20	·44	·39	56·4	55·1	50·2	63·8	2·3	1·1	·388	·402	86	92	ESE 1	Calm 0	10	10	·370	
21	·35	·65	52·2	51·4	50·7	57·4	0·2	1·8	·385	·333	99	88	NNW 3	SW 1	10	10	·080	
22	·61	·54	55·1	50·9	48·3	58·3	2·5	1·1	·364	·346	84	93	SSW 1	S 1	7	10	·460	● showers.
23	·52	·64	55·1	50·1	48·9	61·1	2·0	1·0	·377	·336	87	93	NNW 1	Calm 0	10	6	·320	
24	·36	·35	55·1	49·9	46·6	62·7	0·9	1·7	·408	·315	93	88	SE 3	SSW 1	10	6	·090	
25	·35	·60	56·9	56·0	41·7	62·0	4·7	1·8	·333	·397	71	88	Calm 0	N 1	4	10	·010	
26	·76	·89	55·9	53·4	50·3	59·0	1·9	1·3	·392	·371	88	91	NNW 3	N 2	10	10	·030	
27	·95	·95	55·2	53·0	51·9	59·3	4·1	2·1	·325	·357	75	87	NNW 2	WSW 1	9	10	·180	
28	·84	·91	55·3	55·0	50·4	65·7	0·8	1·1	·414	·416	95	94	S 1	NNE 0·5	10	10	·010	
29	·93	·94	62·9	57·0	51·3	70·0	3·0	1·0	·472	·434	82	93	SSW 0·5	Calm 0	9	6	—	
30	·87	·77	66·0	63·5	49·7	74·2	4·9	3·4	·467	·470	74	80	SE 3	SE 3	8	9	—	
31	29·73	29·80	64·9	54·7	54·2	69·8	4·7	1·6	·454	·382	74	90	SSE 1	Calm 0	10	8	—	
Mean	29·768	29·782	58·4	54·6	48·1	63·8	3·4	2·0	·391	·374	80·0	87·0	1·2	0·6	8·1	8·2	2·510	

DUBLIN (PHŒNIX PARK).—JULY 1889.

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

1	30·34	30·31	59·9	60·2	47·6	69·3	4·3	2·4	·386	·444	75	86	WNW 1	Calm 0	9	9	—	
2	·27	·19	59·7	54·1	51·9	66·0	2·1	0·7	·446	·399	88	95	Calm 0	Calm 0	10	7	—	Dull a. Cloudy, with ≋ p.
3	·15	·06	60·9	51·9	50·4	64·8	4·3	1·1	·401	·357	76	93	E 1	Calm 0	8	1	—	Cloudy a. Bright p.
4	·02	·04	65·0	53·2	42·9	67·2	5·3	0·9	·438	·380	72	94	ENE 1	Calm 0	0	4	—	Bright a. Cloudy, with ≋ p.
5	30·05	30·04	63·0	52·0	48·6	66·2	4·1	1·0	·440	·372	77	93	ESE 1	Calm 0	6	1	—	Cloudy a. Bright p.
6	29·95	29·75	65·5	62·1	43·7	72·0	5·3	4·1	·446	·426	71	76	W 1	WNW 1	0	9	·015	Beautiful day.
7	·66	·62	55·1	47·3	47·2	63·1	4·6	1·8	·313	·283	72	88	NW 1	Calm 0	5	2	—	
8	·63	·66	55·9	47·6	36·3	61·8	7·1	2·8	·271	·265	60	81	Calm 0	Calm 0	5	5	·050	
9	·59	·44	50·4	52·8	36·3	62·0	1·5	0·4	·328	·389	90	97	E 1	Calm 0	10	10	·325	Dull, with ● 0. ≋ 0 p.
10	·40	·52	56·0	59·5	50·7	64·8	1·6	4·2	·402	·382	89	75	Calm 0	W 1	10	9	·115	Dull and cloudy, with ● 0 showers.
11	·71	·80	62·0	56·2	48·5	69·9	7·3	3·2	·340	·362	61	80	SW 1	Calm 0	1	1	—	Beautiful day.
12	·83	·85	65·0	54·6	47·5	67·8	6·7	1·0	·399	·398	65	93	Calm 0	Calm 0	2	2	—	Beautiful day.
13	·80	·77	64·1	57·4	45·6	70·0	5·6	0·9	·416	·445	70	95	Calm 0	Calm 0	1	9	·400	Bright a. Cloudy, with ● 2 p.
14	·79	·74	54·5	54·9	44·9	62·4	2·6	4·2	·352	·320	82	74	SW 1	W 1	10	7	—	
15	·66	·66	56·3	50·0	49·7	62·0	5·3	3·0	·313	·286	68	80	WSW 1	W 1	9	1	·060	Cloudy, with ● showers. ● 2 p.
16	·64	·67	56·1	50·9	47·0	62·9	4·1	2·2	·339	·318	74	86	W 1	Calm 0	4	4	·040	Cloudy, with ● showers. T ● 2 p.
17	·74	·83	58·3	53·4	42·9	63·3	5·4	3·9	·337	·307	69	75	NW 1	Calm 0	4	4	—	Bright a. Cloudy p.
18	·83	·80	53·3	53·4	43·3	58·8	5·8	2·1	·264	·350	65	86	NW 1	Calm 0	10	9	—	Dull and cloudy.
19	·73	·60	54·8	52·0	50·6	60·8	4·2	1·5	·318	·348	75	90	Calm 0	Calm 0	10	9	·315	Dull and cloudy. ● 0 p.
20	·39	·41	55·2	50·4	51·9	64·0	0·6	1·5	·419	·410	96	90	E 1	Calm 0	10	8	·025	Dull, with ≋ 0 a. ● 0 [Cloudy p. a. and p.
21	·32	·62	58·0	50·5	50·4	61·9	2·6	4·0	·404	·271	83	74	SW 1	Calm 0	9	1	·050	Dull, with ● 2 showers a. Cloudy p.
22	·65	·58	56·1	51·4	47·7	61·6	5·3	1·8	·312	·333	69	88	WSW 1	SW 1	8	6	·550	Cloudy, with ● showers. T ● 2 ◠ p.
23	·48	·61	55·6	48·8	47·7	60·1	3·0	0·8	·360	·325	81	94	WSW 1	Calm 0	8	6	·495	Cloudy, with ● 2 showers.
24	·50	·38	53·0	54·9	48·5	65·1	0·9	2·9	·377	·350	94	81	Calm 0	WSW 1	10	9	·010	Dull, with ● 2 showers a.
25	·32	·51	57·6	55·8	47·1	64·5	5·0	2·2	·336	·384	71	86	SW 1	Calm 0	5	9	—	
26	·68	·81	55·4	54·4	51·7	66·0	3·2	3·6	·350	·326	80	77	NW 1	WNW 1	10	8	—	
27	·88	·92	57·6	56·9	50·2	67·6	6·2	3·8	·308	·355	65	77	NW 2	Calm 0	5	8	·015	Beautiful day.
28	·87	·88	53·6	58·2	52·7	68·1	2·0	1·8	·355	·430	86	88	SW 1	Calm 0	10	2	·010	Dull, with ● 0 a. Cloudy p.
29	·94	·95	61·2	56·2	51·9	68·8	3·0	1·6	·443	·405	82	90	WSW 1	Calm 0	2	1	—	Beautiful day.
30	·93	·85	58·0	56·3	52·2	64·8	1·2	0·6	·445	·436	92	96	ENE 1	Calm 0	8	8	—	≋ 0 p.
31	29·79	29·79	68·2	61·2	55·4	73·8	5·7	3·7	·483	·423	70	70	W 1	SW 1	6	6	—	Beautiful day.
Mean	29·759	29·762	58·2	54·4	47·8	65·3	4·1	2·2	·372	·364	76·4	85·7	0·8	0·3	6·6	5·6	2·475	

PARSONSTOWN (BIRR CASTLE).—JULY 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·34	30·29	59·7	62·5	46·4	71·6	3·7	1·7	·399	·566	78	92	Calm 0	Calm 0	10	10	—	Dull, with ≋ 0 (mist) a. Day fine and [clear.
2	·23	·15	67·7	59·9	46·2	72·9	5·6	2·6	·477	·433	70	85	Calm 0	Calm 0	4	0	—	∞ a. and p. Fine and warm.
3	30·08	30·01	67·1	56·5	51·8	72·4	6·4	3·6	·443	·356	67	77	Calm 0	Calm 0	3	0	—	Fine and warm. ∞
4	29·99	29·99	64·6	59·7	42·4	75·1	5·8	2·9	·418	·422	69	83	Calm 0	ENE 1	1	7	—	Fine and warm. ∞
5	30·01	·99	62·1	62·6	45·7	76·4	2·9	3·5	·461	·451	82	80	Calm 0	Calm 0	0	0	—	≋ 6a.—8a. Very warm, with ∞.
6	29·96	·78	64·7	60·9	45·8	70·3	4·8	3·0	·449	·438	74	82	Calm 0	Calm 0	0	10	—	≋ till 6.30a. Fine and very warm.
7	·69	·61	54·6	50·6	50·0	64·9	4·7	3·0	·363	·280	72	76	NW 1	NNW 1	10	9	—	Cool and windy. ∞ p. [∞ p.
8	·63	·63	54·7	55·3	35·9	64·1	5·8	4·8	·281	·312	66	71	NNW 1	Calm 0	3	10	·029	Bright and cool.
9	·55	·45	51·8	49·6	47·8	55·7	1·9	1·0	·336	·330	87	93	ENE 1	N 1	10	10	·016	● 0 6a.—9a. Dull and cool, with ≋ 0 [(mist).
10	·43	·53	57·6	54·5	42·7	66·9	3·9	3·4	·364	·332	77	78	Calm 0	Calm 0	9	9	—	Bright and mild.
11	·69	·76	63·3	58·8	44·8	69·2	6·4	3·5	·381	·391	66	79	SW 1	Calm 0	5	6	—	Warm a. Fine day.
12	·81	·83	65·0	59·7	46·6	73·1	7·1	3·1	·389	·416	63	82	Calm 0	Calm 0	0	7	—	Very warm.
13	·82	·81	54·8	54·1	44·4	70·8	0·8	3·7	·406	·319	94	76	Calm 0	NNW 1	10	0	—	≋ 6a.—8a. Bright and warm.
14	·79	·76	59·5	54·6	44·0	62·5	5·6	3·8	·347	·324	69	77	W 1	W 2	9	10	—	Dull, cool, and windy.
15	·67	·68	58·6	51·3	49·0	60·0	6·3	2·2	·319	·322	65	85	W 2	WSW 1	5	7	·150	● showers from 11a. T in NE. 5p.
16	·66	·68	57·7	50·0	45·7	64·7	4·9	0·7	·340	·342	71	95	Calm 0	Calm 0	7	3	·066	● showers. T in W. 5p.
17	·77	·83	58·6	54·6	39·7	64·3	4·5	1·9	·362	·373	74	88	NW 1	Calm 0	9	9	—	Fine and mild, with fresh breeze.
18	·84	·79	55·7	54·4	45·9	59·1	4·8	2·5	·318	·353	71	83	W 1	Calm 0	9	10	—	Dull, close, and calm.
19	·72	·58	55·5	53·3	49·3	62·9	5·4	1·2	·320	·371	68	92	Calm 0	Calm 0	10	10	·120	Dull and close. ● from 6p.
20	·37	·41	56·9	55·6	52·0	63·7	1·9	0·8	·406	·420	88	95	Calm 0	Calm 0	10	10	·080	Dull and close. ● from 8p.
21	·32	·65	59·5	51·0	50·7	62·5	3·5	2·5	·401	·311	79	83	NW 1	W 1	8	1	·030	● 0 showers.
22	·64	·57	56·9	51·9	46·9	61·7	4·4	0·9	·341	·362	73	94	W 2	SW 2	9	9	·185	Changeable, with ● showers.
23	·51	·63	56·8	53·3	49·0	63·6	3·5	1·6	·367	·362	79	89	WNW 2	Calm 0	0	0	·342	● showers a. Afternoon fair.
24	·43	·39	54·7	52·0	48·2	63·6	0·8	1·3	·406	·353	95	91	SE 1	SW 2	10	10	·749	● showers a. Afternoon fair.
25	·27	·56	53·0	55·9	47·8	65·1	0·7	2·0	·383	·391	95	87	Calm 0	NW 2	10	10	—	● 0 in past n. Fair, but windy.
26	·72	·86	57·8	54·9	48·9	64·9	4·1	1·9	·362	·376	76	88	NW 2	NW 2	10	10	—	Cool and windy.
27	·91	·93	55·9	55·6	51·4	64·7	2·9	2·5	·365	·372	82	84	NW 1	WNW 2	10	10	·170	Bright, with fresh breeze.
28	·85	·89	56·3	58·4	50·8	70·0	0·6	1·4	·436	·445	96	91	Calm 0	WNW 1	10	10	—	Close and sultry.
29	·93	·91	61·4	63·0	53·8	73·6	3·4	2·7	·434	·484	85	84	Calm 0	Calm 0	10	5	—	Bright and warm.
30	·86	·77	65·7	62·1	53·4	76·4	4·6	2·7	·471	·467	75	83	SE 1	SSE 3	8	7	—	Warm and windy.
31	29·75	29·80	67·0	56·5	51·7	72·4	5·3	1·6	·474	·499	72	89	Calm 0	Calm 0	9	0	—	Bright and very warm.
Mean	29·748	29·757	59·2	55·9	47·4	67·1	4·1	2·4	·385	·381	76·5	84·8	0·6	0·7	7·5	6·9	1·937	

SWANBISTER.—AUGUST 1889.

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. Gravity Correction, + ·036.

1	29·76	29·69	57·6	56·0	52·6	63·1	0·7	1·0	·454	·419	95	93	Calm 0	NNE 1	10	10	—	∞ 9a.
2	·58	·58	56·4	55·0	48·8	65·5	0·4	1·0	·443	·403	97	93	SE 1	Calm 0	8	8	·340	≋ a. T 3p.
3	·53	·57	55·0	50·2	50·0	60·1	0·5	1·4	·418	·327	97	91	Calm 0	WNW 1	10	5	—	
4	·67	·72	58·2	55·5	50·0	62·1	3·0	2·0	·396	·384	81	87	WNW 2	S 1	5	5	·100	
5	·61	·56	56·2	56·2	53·0	62·1	0·8	1·0	·428	·422	95	93	NNE 1	E 3	10	8	—	
6	·51	·57	56·5	53·5	55·0	62·1	2·0	1·9	·398	·357	87	87	NNE 4	NNW 4	8	7	—	
7	·74	·89	54·0	47·7	47·4	58·1	1·5	1·5	·374	·294	90	89	NNW 4	NNW 1	7	3	·200	
8	·92	·86	54·5	52·8	45·5	59·4	1·8	2·0	·374	·345	88	86	NNE 1	SE 1	5	1	·010	
9	·72	·67	56·0	54·8	52·8	59·3	2·0	0·5	·391	·415	87	96	SE 4	ESE 3	10	10	·060	
10	·64	·64	55·6	50·4	50·2	59·1	2·1	1·4	·382	·330	86	90	E 4	NE 1	10	3	—	
11	·66	·73	54·8	52·3	48·9	58·7	3·0	2·7	·346	·321	81	82	NNE 3	N 1	9	8	—	
12	·73	·70	56·4	53·0	50·4	59·4	4·7	0·0	·328	·403	72	100	NW 3	NW 2	7	10	·050	● showers p.
13	·78	·78	55·2	52·0	44·8	59·7	3·8	0·7	·333	·369	76	95	WNW 3	NW 1	8	9	·070	
14	·63	·56	57·3	54·0	47·0	57·3	3·3	1·4	·374	·377	80	90	SSE 2	SE 1	8	9	·160	
15	·50	·52	59·3	53·8	52·2	61·0	3·0	1·2	·412	·380	82	91	NW 3	WNW 3	7	5	·240	
16	·61	·43	57·7	53·8	51·6	62·1	2·8	0·0	·394	·415	83	100	WSW 3	SSE 2	7	10	·340	
17	·14	·55	56·2	52·3	51·2	59·1	2·9	2·3	·370	·331	82	84	W 6	WSW 3	9	3	·040	
18	·41	·54	56·8	53·3	49·7	59·9	4·5	2·5	·337	·338	73	83	WSW 5	SW 2	7	7	·020	
19	·58	·48	57·6	55·0	49·8	61·1	4·4	0·9	·351	·406	74	94	WSW 2	ESE 3	2	10	·180	
20	29·27	·07	55·0	50·6	49·2	55·0	0·1	0·8	·430	·348	99	95	ENE 5	NNE 8	10	10	1·570	● all day.
21	28·95	·02	54·9	53·2	49·8	55·0	0·1	0·5	·429	·391	100	97	NNW 3	N 5	10	10	·750	● all day.
22	29·17	·40	53·0	48·7	47·1	53·7	2·2	3·2	·342	·268	85	78	NNW 7	NW 4	5	7	·060	
23	·39	·48	50·9	48·9	45·1	53·2	2·1	1·6	·319	·306	86	89	WNW 5	NW 3	4	6	·200	● showers a. ⊔ 0 10p.
24	·55	·55	50·0	48·0	46·8	53·5	1·0	0·5	·334	·322	93	97	WNW 3	NW 1	10	9	·070	● showers all day.
25	·64	·74	50·3	49·0	46·8	51·1	0·8	0·5	·344	·335	95	97	NNW 3	NW 3	10	10	·060	● showers a.
26	·82	·88	53·2	51·2	45·4	57·7	3·9	1·0	·304	·350	75	93	NW 3	WNW 1	7	8	·150	
27	·86	·77	54·7	54·0	49·5	59·6	2·1	0·2	·369	·412	87	99	WNW 2	S 2	3	10	·860	Fog on hills 9p.
28	·44	·64	57·3	57·0	52·0	59·4	0·0	1·6	·479	·417	100	89	SSW 3	WSW 4	10	6	·010	Fog on hills till afternoon.
29	·78	29·89	56·0	53·0	52·3	60·4	3·5	2·7	·353	·330	78	82	WSW 4	WSW 4	10	5	·010	
30	29·93	30·01	57·2	52·7	48·0	59·1	4·0	1·1	·354	·367	75	92	WSW 4	W 2	5	5	·020	
31	30·06	30·10	52·8	52·0	49·1	55·7	0·8	0·4	·327	·377	94	97	S 1	NW 1	10	7	·200	
Mean	29·600	29·625	55·4	52·6	49·4	58·6	2·2	1·3	·378	·363	86·2	91·3	3·0	2·3	7·8	7·2	5·770	

DUNROBIN CASTLE.—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind. Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·85	29·75	64·0	58·4	59·4	70·5	2·5	1·1	·509	·454	85	93	S	NE	—	—	—	
2	·68	·67	66·9	55·7	55·4	67·8	3·2	1·7	·541	·395	82	89	S	NE	—	—	·430	Fine and hot.
3	·59	·67	58·0	56·7	53·4	68·3	3·3	2·2	·385	·395	80	86	E	E	—	—	—	Fine and hot *a.* ● ² showers *p.*
4	·77	·77	59·6	56·0	54·8	64·0	4·4	2·0	·378	·391	74	87	NE	N	—	—	·420	Fine *a.*
5	·66	·59	59·2	56·3	54·8	65·1	2·2	2·0	·433	·395	87	87	S	E	—	—	·740	● showers *p.*
6	·54	·66	58·9	56·0	54·4	60·9	3·6	1·7	·389	·399	78	89	SE	W	—	—	·110	Dull, with ● showers *a.* ● ² showers *p.*
7	·83	·92	59·5	55·3	54·1	62·6	3·5	2·8	·358	·359	78	82	NW	NW	—	—	—	Dull *a.* ● showers *p.*
8	·99	·86	57·0	53·7	47·4	60·4	0·7	2·2	·443	·352	95	86	E	NE	—	—	—	Dull *p.*
9	·75	·69	58·4	53·7	48·1	58·4	3·4	2·2	·388	·352	79	86	S	SE	—	—	·280	Cloudy *p.*
10	·66	·69	58·0	55·5	50·6	62·4	2·5	2·0	·407	·384	84	87	SE	E	—	—	—	Breezy. Dull *p.*
11	·73	·82	55·5	52·7	51·1	57·2	4·2	3·4	·328	·310	74	78	S	NE	—	—	·040	Dull and cool *p.*
12	·83	·84	60·0	54·7	48·6	64·9	6·7	4·2	·328	·316	63	74	N	NE	—	—	—	Cool *p.*
13	·82	·82	54·7	54·0	49·1	61·4	3·4	3·7	·336	·317	78	76	NW	NW	—	—	—	Fine day.
14	·65	·64	53·5	55·5	43·7	67·9	2·5	1·5	·340	·397	83	90	E	E	—	—	—	Dull day.
15	·62	·73	60·4	54·5	52·6	60·4	4·4	3·5	·390	·329	74	77	NE	N	—	—	—	Dull *a.* Mild *p.*
16	·73	·33	59·4	53·5	51·6	62·6	5·4	3·0	·350	·329	69	80	SE	SE	—	—	·590	Dull *a.*
17	·40	·52	58·6	54·0	51·1	63·4	1·1	3·0	·458	·334	94	80	NW	SE	—	—	—	Fine day.
18	·54	·68	57·4	54·0	49·1	64·6	6·4	2·7	·301	·342	63	82	N	SE	—	—	—	Cloudy *a.* Mild *p.*
19	·67	·53	55·7	56·5	49·9	57·0	3·4	2·0	·351	·398	79	87	SE	SE	—	—	·180	Fine day.
20	·30	·18	56·3	52·5	51·6	58·9	1·8	2·0	·401	·341	88	87	SE	SE	—	—	1·220	● ² *a.* Dull *p.*
21	·18	·18	58·4	54·3	50·6	63·6	4·1	1·8	·370	·371	76	88	NW	NE	—	—	·230	Fresh wind.
22	·33	·56	55·0	49·5	49·1	58·2	3·5	3·5	·337	·270	78	76	NE	N	—	—	·240	● showers.
23	·56	·64	53·5	48·0	43·7	60·2	6·0	3·7	·262	·249	64	75	NW	N	—	—	—	Fine *p.*
24	·67	·68	55·7	50·5	44·9	61·4	6·7	2·0	·276	·317	61	87	NW	NW	—	—	·040	Fine *a.* Cool *p.*
25	·72	·88	53·5	50·0	47·7	56·9	2·5	4·5	·340	·255	83	71	NW	N	—	—	—	Fine day.
26	·92	·93	57·0	51·5	45·7	59·9	5·7	3·0	·311	·305	67	80	NW	N	—	—	—	Fine day.
27	·93	·89	56·5	54·8	50·1	60·4	3·2	1·5	·366	·387	80	90	W	NW	—	—	·340	Fine *a.* Dull, with ● *p.*
28	·56	29·80	61·9	60·0	53·6	71·1	2·6	3·0	·467	·423	85	82	N	NW	—	—	—	
29	29·88	30·02	57·5	52·3	51·5	63·9	4·8	2·0	·339	·339	72	86	NW	NW	—	—	—	
30	30·04	·14	57·0	51·5	45·7	64·9	4·5	3·0	·339	·305	73	80	S	NW	—	—	—	Fine day.
31	30·15	30·19	55·5	55·0	46·5	64·6	3·0	2·7	·357	·357	81	83	SW	NW	—	—	—	Fine day.
Mean	29·695	29·719	57·7	54·1	50·2	62·8	3·7	2·6	·373	·351	77·6	83·3	—	—	—	—	4·860	

BRAEMAR.—AUGUST 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, +·027.

30/ 22.2.94.

Baro. −·009 22.2.94.

1	28·70	28·65	62·3	55·2	55·2	69·2	4·1	4·4	·429	·319	77	73	SW 2	SW 0·5	8	7	—	Fine day.
2	·56	·55	58·9	56·2	49·0	65·5	5·4	4·9	·344	·321	70	71	SW 1	SW 1	6	7	·080	Fine day.
3	·45	·51	54·5	55·8	51·4	61·1	2·0	1·3	·368	·408	87	91	SW 0·5	W 0·5	8	7	·070	Fine day.
4	·63	·64	58·6	55·3	50·0	66·2	6·9	2·4	·306	·369	62	84	W 2	SW 0·5	6	8	·010	Dull, with ● showers.
5	·44	·31	54·7	53·1	46·5	57·2	3·2	2·6	·341	·334	80	82	SW 1	NE 2	8	0	1·300	Dull, with ● showers.
6	·28	·47	52·5	51·5	50·2	55·8	2·8	3·0	·323	·305	81	80	NE 1	N 0·5	9	8	·060	● *a.*
7	·61	·76	55·9	51·9	49·0	58·2	4·4	2·4	·301	·324	73	84	SW 1	NE 0·5	7	8	·030	Fine day.
8	·76	·74	53·5	50·0	46·3	61·0	3·6	2·1	·329	·307	80	85	NE 0·5	S 1	7	9	·170	● showers.
9	·59	·49	50·3	53·5	43·8	56·4	0·8	3·0	·345	·329	95	80	NE 0·5	SE 0·5	10	10	1·150	● ²
10	·41	·42	51·5	51·3	50·4	54·9	0·5	0·8	·367	·357	97	95	NE 0·5	NE 0·5	10	10	2·130	● ² all day.
11	·46	·60	50·7	47·8	47·8	53·5	2·2	1·3	·315	·301	85	91	NE 2	NE 0·5	7	6	·050	Dull, with ● showers.
12	·63	·69	53·5	51·5	46·8	58·4	5·8	2·6	·266	·316	66	82	NE 0·5	N 0·5	7	9	·020	Fine day.
13	·73	·72	52·5	48·7	48·2	56·8	4·7	1·5	·278	·306	71	89	NW 1	NW 0·5	8	7	·100	● showers.
14	·55	·53	47·0	52·5	37·8	59·6	0·5	1·5	·311	·354	97	90	W 0·5	SW 1	8	3	·080	
15	·52	·54	55·8	51·0	49·4	61·5	2·3	3·3	·381	·292	85	78	SW 1	SW 1	7	6	·020	● *a.* Fair *p.*
16	·60	·31	54·5	53·3	47·6	57·3	4·7	1·8	·302	·357	71	88	SW 1	SW 1	7	10	·480	Fair *a.* ● *p.*
17	·26	·41	51·9	52·5	49·4	57·8	3·2	5·0	·306	·272	79	70	SW 6	SW 4	4	10	·100	Stormy, with ● showers.
18	·46	·57	53·5	48·7	47·4	58·3	5·0	2·2	·283	·291	70	85	SW 6	SW 2	7	3	·020	● showers.
19	·51	·36	52·5	52·5	47·1	57·5	2·7	2·7	·324	·324	82	82	SW 2	NE 0·5	7	8	·580	
20	·09	·07	50·9	49·5	49·2	54·5	1·4	1·2	·338	·323	91	92	NE 0·5	NW 1	10	10	·630	● ² all day.
21	·09	·03	51·2	52·5	47·4	57·8	3·7	3·2	·286	·312	76	79	NW 1	W 0·5	8	10	·110	Fine day.
22	·17	·48	49·3	45·5	44·3	52·7	2·8	4·0	·284	·220	81	73	NW 6	NW 2	9	8	·050	● showers.
23	·44	·49	49·0	46·9	45·0	54·5	3·7	2·2	·261	·269	75	85	NW 2	NW 0·5	5	8	·030	● showers.
24	·56	·55	51·5	47·7	41·3	54·5	5·0	1·9	·261	·285	69	87	NW 2	NW 0·5	8	8	·030	● showers.
25	·56	·73	52·2	46·5	46·3	54·7	2·7	3·0	·321	·249	82	80	NW 1	NW 0·5	9	6	·100	● showers.
26	·77	·82	50·8	49·5	44·3	58·2	5·3	2·2	·248	·299	67	85	NW 1	W 0·5	7	7	·030	● showers.
27	·82	·76	53·5	51·5	47·4	58·6	2·0	3·0	·354	·305	87	80	SW 1	SW 1	8	10	·130	Fair *a.* ● *p.*
28	·53	·65	56·8	57·6	50·1	64·1	5·5	2·1	·314	·413	68	86	SW 6	SW 0·5	8	8	·030	● showers *a.* Fair *p.*
29	·74	·88	54·8	53·7	51·2	59·7	3·3	3·2	·340	·327	79	79	SW 2	SW 0·5	8	8	—	Fine *a.* Cloudy *p.*
30	·86	·97	53·5	47·5	46·1	62·8	5·0	2·8	·283	·263	70	81	SW 2	W 0·5	2	0	—	Fine *a.* Cloudy *p.*
31	28·97	28·99	47·9	51·5	35·5	64·5	2·4	2·7	·276	·312	84	82	SW 0·5	SW 0·5	6	1	—	Fine *a.* Cloudy *p.*
Mean	28·539	28·560	53·0	51·4	47·1	58·8	3·5	2·6	·316	·315	78·6	82·9	1·8	0·9	7·4	7·1	7·590	

0/ 0/ 22.2.94.

LAUDALE.—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind. Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·84	29·75	62·3	60·0	55·0	66·1	4·4	4·7	·420	·377	76	73	Calm 0	ESE 3	9	9	·070	Close. Much roll cloud at night.
2	·66	·67	58·1	56·0	53·9	63·1	2·1	1·7	·421	·399	87	89	W 2	W 1	10	9	·100	● ² all day. Very red sunset.
3	·55	·66	57·6	56·0	52·2	65·2	2·8	3·0	·392	·365	82	81	Calm 0	WNW 2	9	10	—	
4	·79	·77	58·6	55·5	53·0	64·8	3·5	1·7	·388	·392	79	89	Calm 0	Calm 0	9	10	·070	Dull day.
5	·60	·50	58·0	54·4	54·2	62·5	2·8	0·6	·393	·406	82	96	Calm 0	Calm 0	10	10	·440	● from 4*p.* ≋⁰ (mist).
6	·47	·67	58·4	55·3	53·7	60·7	3·7	1·6	·380	·383	78	87	ENE 3	SW 1	10	10	·120	● showers all day.
7	·83	·98	58·6	53·2	53·0	64·0	4·2	1·8	·369	·355	75	88	NW 2	Calm 0	4	2	—	Fine and bright all day.
8	·99	·84	58·0	55·8	44·3	65·0	3·9	4·5	·370	·326	77	73	Calm 0	N 3	6	3	·170	Fine day. Large cir. cloud, dipping to [W. 7*p.*
9	·64	·62	58·5	54·2	53·0	65·7	4·4	1·2	·364	·385	75	92	Calm 0	Calm 0	8	9	·030	● till 9*a.* Bright *p.*
10	·60	·54	56·0	55·2	51·7	60·4	1·8	1·2	·397	·401	88	92	Calm 0	Calm 0	7	10	·030	Dull and calm all day.
11	·62	·77	61·0	55·8	53·4	62·8	5·2	3·9	·378	·340	71	76	NE 3	Calm 0	7	9	—	Very red sunset.
12	·86	·89	55·2	54·5	43·6	62·0	3·5	2·3	·340	·360	78	85	ENE 2	SW 1	10	10	·170	● ² showers in the evening.
13	·92	·90	54·2	54·0	53·0	60·3	2·0	1·8	·364	·366	86	87	W 2	SW 1	10	10	·170	● ² showers all day.
14	·62	·59	58·4	58·0	50·4	64·9	5·0	7·2	·347	·292	71	60	NE 3	SE 1	10	10	·050	Cloudy all day.
15	·61	·76	56·8	55·9	52·7	61·9	1·8	2·6	·408	·374	88	84	Calm 0	W 3	10	9	·100	≋⁰ (mist) ● *a.* ↗ ● ² showers *p.*
16	·76	·33	58·9	59·3	54·6	59·7	4·5	1·5	·365	·457	74	91	SW 1	SW 1	10	10	1·180	
17	·42	·57	55·8	55·8	52·0	59·8	3·5	3·8	·350	·342	78	76	W 4	SW 3	7	10	·650	↗ *a.* ● ² showers all day. ▲ 3*p.*
18	·62	·72	52·2	55·0	50·4	60·0	2·1	2·4	·335	·365	86	85	W 3	WNW 3	7	9	·110	▲ 8*a.* ● showers all day.
19	·64	·46	56·0	53·4	51·9	60·0	2·5	1·1	·378	·377	84	92	WSW 2	Calm 0	10	10	1·120	Constant ● from 2*p.* ≋⁰ (mist).
20	·23	·25	53·2	54·2	52·0	56·8	0·2	1·9	·400	·369	99	87	W 1	W 3	10	10	·120	● till noon, then showers.
21	·25	·22	55·0	53·4	51·9	59·8	3·7	1·2	·332	·374	77	91	NW 2	WNW 3	6	10	·030	
22	·42	·68	54·0	52·0	51·0	57·0	3·8	5·0	·315	·266	75	69	NW 5	WNW 4	7	10	·120	● showers all day.
23	·67	·67	54·0	49·3	48·3	57·6	2·9	0·8	·337	·331	81	95	NW 3	Calm 0	10	8	·080	● showers all day.
24	·76	·77	51·2	51·4	41·2	58·3	2·0	1·6	·325	·328	86	89	Calm 0	NW 1	7	10	·070	
25	·80	29·93	53·0	50·8	47·9	55·8	1·9	2·8	·350	·301	87	81	NW 1	SW 1	10	10	·010	
26	29·97	30·01	53·2	53·7	45·9	57·9	2·4	1·0	·339	·384	84	93	Calm 0	Calm 0	10	10	·260	Cloudy all day.
27	30·01	29·85	55·2	55·0	51·3	57·0	1·1	1·7	·404	·383	93	89	Calm 0	WSW 2	10	10	1·550	Constant ● all day.
28	29·71	29·81	59·5	58·0	54·8	61·0	1·6	1·1	·457	·448	90	92	SW 5	SW 3	10	10	·250	
29	29·94	30·02	56·3	54·9	53·0	59·3	2·2	1·9	·390	·376	86	88	Calm 0	Calm 0	10	8	·010	Dull all day.
30	30·06	·15	55·3	50·2	47·8	60·0	2·1	1·2	·378	·352	86	92	Calm 0	Calm 0	4	3	—	Fine and bright all day.
31	30·19	30·22	56·8	55·0	47·8	58·8	2·8	1·1	·380	·400	82	92	Calm 0	Calm 0	5	10	—	
Mean	29·711	29·729	56·4	54·7	50·9	60·0	3·0	2·3	·373	·365	82·0	85·6	1·4	1·3	8·5	9·0	7·100	

DUNDEE.—AUGUST 1889.

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

2.9/ 1.5/ 54.9/ 54.9/ 51/ 54.7/ 7/51.2/ 7.4/ 49.8 62.4/ 3.7/ 2/21/84/ 1/22/91/ 5/68/6/68/ 22.2.94

1	29·70	29·61	67·2	59·5	54·6	75·0	3·7	3·0	·529	·416	80	82	SW 1	SW 1	10	10	—	
2	·54	·52	66·7	59·7	50·3	72·6	6·0	1·6	·448	·460	69	91	SW 1	SW 1	5	10	·160	
3	·42	·47	57·5	57·3	56·2	63·7	0·5	0·4	·458	·458	96	97	N 1	NE 1	10	10	·540	● 6*a.*—noon.
4	·65	·63	62·9	58·2	53·2	65·9	6·0	2·8	·386	·401	68	82	W 2	W 1	5	10	·060	Cloudy from 2.30*p.*
5	·49	·31	55·9	55·0	52·2	60·1	1·2	0·6	·413	·415	93	96	E 4	SW 1	10	10	·760	● from 8*a.*
6	·33	·46	56·9	55·2	52·2	62·7	2·1	2·6	·400	·363	87	84	N 4	N 1	10	10	·080	Dull, with ● showers.
7	·65	·79	61·5	55·1	52·3	~~62·9~~	7·4	1·2	·330	·399	61	91	NW 4	E 1	10	10	·170	● showers.
8	·85	·75	58·4	52·1	51·2	60·8	2·4	0·2	·415	·384	85	98	E 1	N 1	10	10	·660	⊤ ● showers.
9	·61	·54	54·5	~~55·9~~	50·2	55·9	0·6	0·3	·408	~~·438~~	96	98	E 6	NE 1	10	10	·990	● showers.
10	·46	·42	52·2	53·9	53·2	~~K~~	0·4	1·0	·425	·387	98	93	E 1	E 1	10	10	·430	● till 1*p.*
11	·44	·59	53·4	51·9	51·2	~~K~~	0·8	2·5	·395	·321	94	84	N 8	N 4	10	10	—	Dull day.
12	·65	·69	50·3	49·9	45·3	52·2	0·5	0·1	·353	·356	97	99	N 4	W 4	5	10	—	Dull day.
13	·73	·74	57·3	54·4	45·3	58·7	3·4	2·0	·371	·367	79	87	W 1	W 1	10	5	—	Dull day.
14	·56	·51	53·0	~~49·9~~	46·3	~~K~~	3·1	~~1·5~~	·320	~~·346~~	79	~~97~~	E 1	N 1	10	10	·170	
15	·47	·55	58·0	55·0	~~K~~	61·2	1·0	2·4	·451	·365	93	85	W 2	W 1	10	0	—	
16	·64	·34	~~51·0~~	54·5	49·0	~~56·0~~	~~1·4~~	0·5	·410	·416	~~82~~	97	W 2	E 2	10	10	·570	● from 3*p.*
17	·28	·42	59·6	53·7	52·2	64·1	5·1	2·3	·361	·349	71	85	W 6	W 1	0	0	·010	Dull during day.
18	·48	·58	59·6	57·9	50·4	65·6	5·2	6·5	·358	·326	70	63	SW 2	SW 1	5	5	·040	● showers *n.* and 1*ca.*
19	29·54	29·32	57·2	55·6	50·0	62·6	1·8	0·7	·415	·422	88	95	SE 1	SE 1	10	10	·640	● showers till 8*a.* and from 6*p.*
20	28·94	28·97	54·0	54·1	52·2	56·7	0·6	2·5	·400	·349	96	83	NE 6	W 6	10	10	·400	● *n.* and till 5.30*p.*
21	29·07	28·97	58·1	53·4	49·3	66·0	5·7	3·6	·327	·313	67	77	W 4	W 1	5	0	·170	
22	·15	29·46	54·5	49·3	48·4	61·2	3·8	3·7	·323	·265	76	75	NW 2	NW 2	10	10	—	Cloudy.
23	·47	·47	56·6	49·2	42·4	63·5	5·2	2·3	·318	·294	69	84	NW 2	NW 1	10	10	·080	● 9.30*a.* and 7.30*p.*
24	·56	·55	56·1	51·9	42·5	62·1	5·4	3·0	·309	·311	69	80	NW 1	NW 1	7	10	·010	
25	·55	·70	53·7	51·6	48·4	63·6	3·2	3·9	·327	·286	79	75	W 1	NE 1	10	10	·040	● showers *n.* and during day.
26	·79	·85	55·6	53·3	42·4	62·3	5·5	2·7	·300	·333	68	82	NW 2	W 1	5	10	·030	● showers 0.30*p.*—5*p.*
27	·84	·81	57·6	53·0	51·1	60·6	1·0	0·6	·418	·386	87	96	SW 1	W 2	10	10	·260	● from noon.
28	·58	·67	56·1	60·1	52·3	64·3	2·8	1·7	·372	·465	82	89	W 4	W 1	10	10	·070	● *n.* and till 8.30*a.* ↗ 10*a.*—noon.
29	·77	·83	57·7	56·9	54·0	65·6	3·0	0·5	·390	·447	81	97	W 1	S 1	5	10	·060	● *n.* ● ⁰ showers from 7*p.*
30	29·90	29·96	58·1	52·2	52·0	71·3	2·8	2·8	·400	·318	82	82	NW 1	W 2	10	0	—	
31	30·03	30·01	57·9	55·1	43·4	70·9	3·2	2·7	·388	·358	80	82	SW 1	W 1	0	7	—	Fine day.
Mean	29·553	29·564	57·4	54·3	~~K~~	~~K~~	3·1	2·0	·38~~1~~	·37~~1~~	81·~~1~~	8~~7·3~~	2·5	1·5	8·1	8·3	6·400	

GLASGOW.—AUGUST 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·70	29·61	61·9	60·8	59·4	68·8	2·8	5·7	·462	·364	83	68	W 1	S 2	10	8	—	⊕
2	·55	·50	62·1	59·2	54·9	66·0	5·8	2·6	·378	·422	68	85	SW 3	S 1	7	10	·225	
3	·35	·49	56·0	55·9	54·8	61·9	0·7	1·6	·428	·400	95	90	ENE 1	W 1	10	9	·075	Overcast, with ●⁰.
4	·66	·61	59·9	56·9	53·2	65·5	4·7	2·9	·375	·378	73	82	SW 2	S 1	9	10	—	Cloudy.
5	·41	·28	56·4	52·6	52·6	57·7	3·1	0·8	·366	·374	80	95	E 2	SW 1	10	10	·390	Overcast, with ●⁰.
6	·25	·47	55·9	56·6	52·5	60·8	2·2	4·6	·382	·331	87	72	NE 2	NNW 2	10	10	·070	Overcast, with ●⁰.
7	·66	·77	60·1	55·8	52·8	67·0	6·4	3·1	·336	·358	64	81	NNW 1	W 1	7	6	—	
8	·82	·70	56·4	56·5	51·6	65·8	2·7	3·6	·377	·356	83	78	W 1	S 1	10	7	·270	
9	·51	·49	57·8	54·9	53·3	63·9	0·7	1·6	·457	·384	96	89	W 2	W 2	10	6	—	Cloudy.
10	·41	·37	55·9	53·1	46·8	62·2	2·8	0·6	·367	·386	83	96	NNW 1	Calm 0	6	10	·385	Cloudy, with ●² T⁰.
11	·41	·56	54·8	54·0	52·4	59·2	1·9	1·9	·375	·364	88	87	NE 1	ENE 1	10	10	—	Overcast and threatening.
12	·65	·71	56·9	55·4	51·2	60·9	7·9	4·0	·264	·330	56	75	N 3	WNW 2	7	9	—	
13	·74	·74	59·8	52·0	51·2	61·5	6·8	2·6	·324	·319	63	82	NW 2	W 1	7	4	·300	
14	·49	·45	54·1	56·9	48·4	60·0	0·5	0·6	·404	·446	97	96	SSE 1	W 1	10	10	·120	Overcast, with ●⁰.
15	·48	·59	57·3	53·6	53·0	63·5	2·3	2·7	·401	·339	85	82	WSW 1	WSW 2	10	10	·020	Cloudy, with ●⁰.
16	·63	·24	58·0	59·9	50·9	61·3	3·3	1·9	·384	·456	80	89	SW 2	S 5	10	10	·600	Overcast, with squally ⟋ ●².
17	·32	·44	56·2	54·4	53·4	61·5	4·1	3·4	·338	·331	75	78	WSW 5	WSW 4	7	8	·037	Cloudy, with squally ⟋ ●⁰.
18	·51	·61	54·1	53·9	51·9	62·1	1·4	2·2	·378	·356	90	86	WSW 3	SSW 1	9	9	·105	
19	29·48	·21	55·0	54·9	52·4	62·5	0·7	1·0	·412	·401	95	93	NE 1	NE 2	10	10	·985	Overcast, with ●⁰.
20	28·97	29·12	53·9	52·4	52·0	58·5	1·4	2·3	·375	·333	90	84	NNW 1	W 2	10	7	·055	Cloudy, with ●².
21	29·10	28·99	55·6	51·9	49·8	62·1	5·0	2·8	·309	·315	70	81	W 2	WNW 1	6	3	·040	
22	·21	29·52	55·2	50·9	49·6	61·6	3·2	5·4	·346	·246	80	67	WNW 1	WNW 1	10	6	·050	●⁰ a.
23	·53	·52	53·9	49·4	48·2	59·5	2·6	1·8	·345	·307	83	88	WSW 1	N 1	8	3	·023	Cloudy, with ● showers.
24	·56	·58	53·2	51·6	44·6	59·3	6·3	3·4	·253	·297	63	78	N 1	W 1	4	10	—	
25	·57	·72	55·5	52·9	50·5	61·4	2·6	4·6	·367	·285	84	71	W 2	NW 2	10	10	—	Fine day.
26	·82	·86	54·1	53·2	45·0	57·5	3·8	1·6	·318	·361	75	89	W 1	SW 1	9	8	·175	Dull and cloudy.
27	·87	·80	55·4	53·4	53·2	56·8	0·8	1·2	·415	·374	95	92	SW 2	SW 3	10	10	·165	Overcast, with ●⁰.
28	·64	·69	54·4	58·8	52·4	59·3	0·8	0·8	·400	·470	94	95	SW 5	SW 6	10	10	·273	Overcast, with squally ⟋ ●⁰.
29	·80	·84	55·1	55·3	54·0	59·0	1·5	0·3	·391	·424	90	98	WSW 1	W 1	10	10	·530	Overcast, with ●⁰.
30	29·91	29·98	56·0	49·9	49·9	62·1	1·1	1·3	·416	·327	92	91	WSW 1	WSW 1	10	0	—	Overcast, then fine.
31	30·03	30·03	53·4	51·8	42·6	64·2	2·7	1·2	·335	·353	82	92	W 1	WSW 1	0	0	—	Fine day.
Mean	29·549	29·564	56·3	54·5	51·2	61·7	3·0	2·4	·370	·361	81·9	84·8	1·7	1·7	8·6	7·8	4·893	

WOLFELEE.—AUGUST 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Air 9 a.m.	Air 9 p.m.	Min.	Max.	Dep. of Wet 9 a.m.	Dep. of Wet 9 p.m.	Vap. Tens. 9 a.m.	Vap. Tens. 9 p.m.	Per-cent. 9 a.m.	Per-cent. 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	29·29	29·21	62·0	62·0	59·4	80·2	2·4	2·4	·475	·475	86	86	W	SW	—	—	—	Dull a.
2	29·13	·07	65·0	58·0	53·3	75·7	5·4	1·4	·435	·439	71	91	SW	SW	—	—	·050	Fine, but blowy a. ● p.
3	28·94	·04	58·2	58·0	52·3	71·2	1·6	0·9	·436	·454	90	94	S	SW	—	—	·170	Dull day.
4	29·23	29·21	55·0	53·0	48·4	65·0	2·4	1·4	·365	·363	85	90	W	SW	—	—	·330	Fine and clear a. ● showers later. [Fine p.
5	29·09	28·89	52·5	53·2	43·4	65·0	0·9	1·8	·370	·355	93	88	SE	SW	—	—	·400	●² a.
6	28·83	29·01	55·0	52·0	48·3	65·0	2·4	0·4	·365	·377	85	97	W	NW	—	—	·120	● showers a.
7	29·20	·35	56·5	53·0	46·4	65·0	3·4	0·9	·361	·377	79	94	NW	W	—	—	·020	Fine p.
8	·37	·30	57·0	51·5	42·4	67·7	3·4	1·4	·367	·344	79	90	W	SW	—	—	·140	Fine p.
9	29·13	29·06	55·0	56·0	49·3	65·0	0·9	1·4	·406	·408	94	91	SSW	SW	—	—	—	Fine p.
10	28·99	28·95	59·0	58·0	43·4	70·2	4·4	0·4	·370	·470	74	97	NW	SW	—	—	—	Fine and clear.
11	28·96	29·10	50·0	53·0	35·0	65·0	0·9	1·4	·337	·363	94	90	SSW	SE	—	—	·090	Dull a. Dull and blowy p.
12	29·18	·24	53·0	53·0	46·4	63·0	3·4	2·9	·313	·325	78	81	N	NW	—	—	—	Dull a. Fine p.
13	·29	·29	58·0	52·0	47·4	58·5	4·4	2·4	·357	·325	74	84	NW	NW	—	—	—	Fine day.
14	·11	·01	55·0	55·0	40·4	62·0	1·9	1·4	·378	·392	88	91	SW	NW	—	—	·210	Dull a. ● p.
15	·03	29·13	60·0	53·0	51·3	61·0	3·4	3·4	·412	·313	80	78	W	NW	—	—	—	Dull a. Fine p.
16	29·23	28·99	59·0	55·0	45·4	66·0	5·4	1·4	·344	·392	69	91	W	SW	—	—	·350	Fine and clear a. ● p.
17	28·93	29·05	58·0	53·0	46·4	64·0	2·4	1·4	·410	·363	85	90	S	S	—	—	—	Fine and blowy a. Fine p.
18	29·09	29·17	56·0	54·0	47·3	64·0	3·4	1·4	·355	·377	79	90	SW	SW	—	—	—	Fine and blowy a. Fine p.
19	29·09	28·81	60·0	54·5	50·3	66·0	4·4	0·9	·385	·399	74	94	SW	SW	—	—	·690	Fine a. ● p.
20	28·48	·67	56·5	52·0	51·3	65·0	0·9	2·4	·430	·325	94	84	NW	W	—	—	—	Dull and blowy p. [showers p.
21	·67	28·53	54·0	53·5	40·4	58·5	3·9	1·4	·312	·370	75	90	W	W	—	—	·030	Fine and blowy a. Dull, with ! ●
22	28·71	29·04	53·5	48·0	42·4	64·0	2·9	2·4	·331	·276	81	83	W	N	—	—	—	Dull and blowy a. Fine p.
23	29·10	·08	54·5	48·0	41·4	66·5	3·9	1·4	·320	·299	76	90	N	NW	—	—	·020	Fine and blowy a. Fine p.
24	·10	·18	52·0	45·0	41·4	60·0	3·4	0·9	·301	·277	78	93	NW	N	—	—	—	Fine and clear.
25	·10	·24	53·5	50·0	42·4	62·0	2·4	0·4	·343	·350	84	97	N	NW	—	—	·650	● p.
26	·34	·42	51·0	51·0	35·0	61·0	2·9	1·9	·301	·326	81	87	NW	NW	—	—	·250	Clear and blowy a. Dull, with ●⁰ p.
27	·43	·41	56·5	52·0	43·4	61·0	1·9	0·9	·401	·364	88	94	W	W	—	—	·120	Dull a. ● showers.
28	·23	·31	55·0	55·0	49·8	59·5	2·4	1·4	·365	·392	85	91	W	W	—	—	·080	⟋ (gale) a. Blowy, with ● p.
29	·33	·44	57·0	54·0	52·3	59·5	2·4	1·4	·394	·377	85	90	W	SW	—	—	—	Blowy a. Fine, clear, and blowy p.
30	·43	·53	56·0	53·5	51·8	65·0	1·4	0·4	·408	·399	91	97	SW	SW	—	—	·040	Dull a.
31	29·58	29·60	52·4	59·0	34·5	65·0	1·3	1·4	·358	·455	91	92	W	SW	—	—	—	Fine and clear.
Mean	29·115	29·138	56·0	53·5	45·9	64·7	2·8	1·5	·371	·372	82·8	90·2	—	—	—	—	3·760	

SCARBOROUGH.—AUGUST 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·79	29·68	66·0	62·4	56·5	68·8	3·7	5·9	·505	·378	80	68	SE 2	SW 2	9	10	—	Fair, but close.
2	·65	·67	65·6	61·4	55·8	71·5	6·3	3·7	·419	·425	67	79	W 3	SW 1	3	10	·280	Very fine and warm.
3	·47	·52	61·2	60·4	57·2	71·1	1·4	1·9	·491	·461	92	89	SW 4	W 4	10	3	—	Fine and warm p.
4	·70	·70	64·6	56·6	53·5	70·3	7·8	3·3	·366	·365	60	79	W 3	SW 1	3	0	·060	Brilliant, and fresh.
5	·47	·39	58·9	56·6	54·0	63·6	1·1	1·6	·462	·412	94	89	SW 1	SW 2	10	10	·480	●² showers a. ▲² noon. Ʀ 3p. [and 5p.
6	·35	·42	54·3	55·6	51·2	63·6	1·4	1·1	·381	·410	90	93	SW 4	NW 2	10	10	·150	● showers.
7	·65	·83	62·6	55·3	54·9	63·0	6·3	1·1	·371	·406	66	92	NW 3	NW 1	2	5	·080	Fine day.
8	·86	·76	64·2	55·6	51·0	64·5	4·8	1·3	·439	·403	73	91	WNW 2	SW 1	7	8	·070	Dull, with ● showers,
9	·68	·50	57·3	58·2	54·0	63·3	1·7	1·0	·419	·454	89	93	SW 3	S 1	10	10	·550	
10	·48	·46	61·8	53·9	53·0	64·5	4·1	1·6	·419	·370	77	89	NNW 3	SW 1	7	9	·250	● showers.
11	·36	·38	55·9	55·6	51·6	61·3	1·6	1·1	·401	·409	90	93	NE 2	NE 2	4	10	·380	Fine a. ●² showers 4p. and 6p.
12	·52	·64	55·0	54·4	53·0	58·8	1·8	1·5	·379	·379	88	90	NE 5	NNE 1	10	8	·070	
13	·74	·74	59·6	52·6	51·5	59·6	4·5	1·3	·375	·361	74	91	N 3	N 1	7	5	—	Fine day.
14	·66	·42	55·3	58·4	51·0	59·1	1·6	4·6	·389	·356	89	73	N 2	NW 2	10	9	·660	Fine 10a., then ● till 6p.
15	·55	·53	62·6	58·6	54·5	67·3	2·4	4·7	·485	·358	85	73	NW 4	NW 7	3	0	—	Very fine and bright.
16	·72	·55	67·7	60·6	51·6	69·3	7·4	1·3	·424	·483	62	92	NW 4	WSW 3	3	5	·050	Fine and bright.
17	·44	·61	65·8	59·0	54·0	67·1	6·7	7·7	·413	·293	65	58	NW 5	SW 1	3	2	—	Fine and bright.
18	·66	·65	56·7	57·6	51·6	67·3	3·2	3·3	·367	·377	80	80	W 3	W 1	3	10	—	Fine and bright. Dull later.
19	29·59	·33	58·7	56·6	53·0	62·3	2·6	5·3	·415	·317	85	69	SW 2	S 1	10	10	·430	Fine day. ●² 9p.
20	28·95	·15	59·5	54·6	53·4	63·8	1·0	3·3	·475	·336	94	79	SW 2	NW 5	10	0	·500	● in afternoon.
21	29·22	·00	61·6	53·8	47·5	65·1	5·6	1·3	·377	·377	69	91	W 3	S 1	4	8	·060	Fair a. ● showers p.
22	·15	·45	57·3	52·6	51·2	59·8	3·2	1·3	·375	·361	81	91	N 5	NW 2	8	10	·060	Dull a. Bright afternoon. ● later.
23	·59	·62	58·3	54·1	46·0	62·5	4·3	1·8	·362	·367	75	88	NW 5	WSW 3	4	5	·050	● showers.
24	·57	·62	55·6	47·6	46·7	58·3	1·4	1·1	·400	·303	90	93	SW 2	NW 1	3	0	·170	Ʀ ● 11a. Fine and bright later.
25	·59	·68	51·0	49·4	43·9	58·1	1·9	1·2	·325	·322	87	91	N 2	N 1	9	1	·030	Fine and clear.
26	·82	·85	55·3	50·6	43·8	60·6	5·9	1·3	·285	·334	66	91	N 4	NW 1	3	2	·120	Fine day. ●⁰ 4p.
27	·95	·92	58·8	54·2	48·0	61·6	2·6	1·4	·415	·379	84	91	W 4	Calm 0	9	10	·020	Fine a. ● later.
28	·82	·82	54·8	58·2	51·5	67·3	2·6	2·7	·358	·404	83	83	W 6	W 2	10	0	·010	Dull early a. Bright later.
29	·88	·89	61·6	58·1	52·0	69·3	4·4	1·8	·410	·430	75	89	NNW 4	W 1	4	0	—	Fine and warm.
30	29·94	29·92	64·5	58·6	49·0	71·3	4·9	1·8	·443	·436	73	89	WSW 2	E 2	3	3	—	Very fine and warm.
31	30·05	30·06	58·5	55·7	53·2	59·3	1·0	0·6	·459	·425	94	96	NNE 2	NNE 1	10	0	—	≋⁰ (mist) 9a.
Mean	29·608	29·605	59·7	56·0	51·6	64·3	3·5	2·4	·407	·384	79·9	85·6	3·2	1·8	6·5	5·6	4·530	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—AUGUST 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Air 9 a.m.	Air 9 p.m.	Min.	Max.	Dep. of Wet 9 a.m.	Dep. of Wet 9 p.m.	Vap. Tens. 9 a.m.	Vap. Tens. 9 p.m.	Per-cent. 9 a.m.	Per-cent. 9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	29·79	29·70	64·8	57·8	52·1	67·0	4·0	3·5	·475	·377	78	79	SSE 2	SSW 4	4	10	—	Fine till 3p., then overcast, with ≋ [(mist).
2	·66	·63	60·1	57·2	54·8	65·5	1·7	0·9	·465	·440	89	94	WSW 5	WSW 4	9	10	·456	Fine day. ●² n.
3	·44	·62	62·4	55·2	54·2	65·3	1·3	0·2	·518	·430	93	99	WSW 4	NW 3	9	10	·060	●² a. ● showers p.
4	·76	·67	59·5	55·8	50·0	61·0	3·7	1·6	·396	·399	78	89	SW 4	SSE 2	6	10	·223	Fine a. Dull p. ⌓ 9p. ● n.
5	·45	·39	57·4	55·3	53·3	64·4	0·7	0·8	·450	·414	95	95	SE 2	W 3	9	10	·137	● a. and p.
6	·38	·55	55·3	55·0	52·5	58·8	1·3	0·8	·397	·409	91	94	W 6	NW 3	10	10	·497	Squally ⟋ ●² a. Dull and overcast, [with ● p.
7	·76	·88	57·8	53·2	52·8	65·3	2·6	1·2	·401	·371	83	92	NW 3-4	WNW 2	7	7	—	Fine day. ⌓ 9p.
8	·88	·77	61·3	55·1	51·1	63·5	3·9	0·3	·418	·426	78	98	SSW 2	SSW 5	7	10	·564	Cloudy. Squally ⟋ ● p.
9	·61	·57	61·8	52·0	51·3	64·4	5·1	0·8	·393	·366	72	94	W 3	SW 2	4	6	—	Fine day. ⌓ 9p.
10	·50	·40	57·0	55·6	47·0	62·0	3·2	1·6	·372	·396	80	89	W 2	ESE 2	9	10	·466	⌓ a. Fine day. Ʀ ●² n.
11	·41	·54	59·3	56·2	50·3	66·0	3·3	2·2	·403	·388	80	86	NE 1	NE 4	10	10	—	Cloudy.
12	·70	·81	58·3	54·0	47·8	62·8	4·3	1·7	·363	·368	75	88	NNW 3	NNW 4	10	3	—	Cloudy.
13	·85	·84	59·0	54·7	52·6	62·7	2·0	1·4	·436	·387	88	91	NW 5	Calm 0	9	10	·502	⟋ a. Dull day. [(mist).
14	·53	·56	57·8	58·0	52·9	61·0	0·3	0·1	·470	·479	98	99	SSW 5	NW 3	10	10	·258	⟋ ●² a. Overcast, with ● ≋⁰
15	·59	·72	57·8	56·0	53·2	66·0	0·6	3·0	·460	·365	95	81	WSW 4	WNW 3	10	3	·001	Overcast, with ● ≋ (mist) a. [Cloudy p.
16	·74	·43	62·0	59·2	52·5	62·6	3·2	0·8	·450	·477	81	95	SSW 3	SW 6-7	4	10	·170	Dull day. Squally ⟋ ● p.
17	·49	·62	58·3	56·8	53·0	63·0	4·1	1·8	·368	·408	76	88	W 5-6	WSW 3	4	4	·003	Squally ⟋ ● a. Day fine, but [squally.
18	·67	·69	57·8	57·6	54·0	62·0	2·8	0·8	·395	·451	82	95	WSW 5	SW 2	7	10	·008	Fine day.
19	·53	·19	58·2	56·5	53·5	61·3	1·2	0·5	·448	·442	92	97	SE 3	ENE 4	10	10	1·264	● 7a. Dull day. ●² p.
20	·05	·31	54·0	53·2	52·5	61·8	0·8	2·8	·394	·330	94	81	NW 7	W 3	10	0	·019	Squally ⟋ ●² a. Dull day. [night.
21	·18	·03	54·9	55·0	45·2	57·7	0·5	1·2	·417	·397	97	92	SSE 2	NNE 3	10	10	·662	Dull day. T. ●² 11a.—3p. and at
22	·31	·65	54·0	52·0	50·5	60·0	1·0	3·2	·388	·305	93	79	NNW 5-6	NW 6	10	6	·005	● till 10a. Dull, with squally ⟋.
23	·71	·67	55·4	54·0	47·4	59·6	3·6	2·0	·340	·360	78	86	WNW 5	W 3	8	10	·186	Dull day. ● showers p.
24	·64	·70	56·7	46·0	45·8	61·7	3·1	0·8	·371	·292	81	94	NW 3-4	N 2	4	2	·053	●² showers a., then fine. ⌓² p.
25	·68	·81	55·7	52·0	44·8	59·2	1·4	4·0	·402	·287	91	74	NW 5	NW 5-6	9	4	·020	● showers a. Dull day. ⟋ p.
26	29·93	·98	55·2	53·0	49·0	59·3	2·1	1·0	·376	·374	87	93	WNW 3	NW 2	7	8	·024	Dull day. ● showers from 3p. ⌓ p.
27	30·01	·95	56·7	57·0	52·0	58·8	2·2	2·0	·395	·405	86	87	W 4-5	SW 3-4	9	10	·022	Dull day. ● showers n.
28	29·88	·87	58·1	57·0	54·2	62·4	2·4	1·2	·412	·428	85	92	SW 5-6	SW 3-4	9	6	·114	●⁰ showers a. Dull, with squally ⟋.
29	·92	29·95	56·9	56·5	55·0	61·2	0·5	0·6	·448	·439	97	96	SW 4-5	SW 3	10	6	·065	Overcast, with ⟋ ● a. Cloudy p.
30	29·96	30·03	60·7	53·6	52·8	65·3	2·1	1·8	·463	·361	88	88	SW 2	NNW 3	8	0	—	Cloudy.
31	30·06	30·07	59·1	54·0	43·6	65·2	4·3	4·0	·374	·310	75	74	NNW 1	NW 1	0	0	—	⌓ ≋⁰ (mist) a. Fine day.
Mean	29·647	29·664	58·2	55·0	51·0	62·5	2·4	1·6	·415	·390	85·7	89·6	3·8	3·2	7·8	7·3	5·779	

STONYHURST.—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·58	29·51	63·9	58·3	56·9	70·0	3·9	2·1	·562	·423	77	80	Calm 0	Calm 0	10	10	·055	
2	·47	·46	63·0	59·4	55·1	67·3	4·8	4·5	·420	·373	73	74	WSW 3	SW 2	7	10	·340	● showers *p*.
3	·26	·35	60·9	59·0	55·3	65·9	1·6	1·0	·481	·467	91	94	SWb.S 2	WSW 3	10	10	·150	● 0 *p*.
4	·54	·47	60·2	56·0	52·8	64·9	5·0	4·5	·372	·329	71	73	SWb.W 1	N 1	7	10	·553	Cloudy, then sunny. Overcast evening.
5	·22	·20	59·8	55·4	52·1	64·0	2·6	1·4	·432	·398	84	91	WSW 2	WSW 1	9	6	·537	● *a* and *p*.
6	·16	·27	57·0	55·2	51·7	59·0	2·2	1·3	·399	·398	86	91	WSW 2	W 2	9	10	·742	Overcast, with ●. ↗ *p*.
7	·50	·65	58·3	54·6	52·0	62·9	2·4	1·4	·414	·386	84	90	W 2	Calm 0	9	0	—	Sunny *p*. ⌒
8	·66	·59	59·5	56·7	50·3	65·7	3·2	2·8	·410	·378	81	82	SWb.S 1	Calm 0	9	9	·087	
9	·42	·34	57·0	55·0	52·9	58·9	2·0	1·9	·405	·378	87	88	S 3	WbyS 1	10	8	·369	Gloomy and overcast, with ●.
10	·30	·19	55·9	54·8	51·0	62·8	2·7	2·4	·372	·362	83	85	SWb.S 1	Calm 0	10	10	·090	
11	·15	·26	58·8	54·9	51·0	60·6	4·3	2·8	·370	·353	75	82	NE 1	NEbyN 1	9	10	·010	Overcast. ● shower *p*. <
12	·40	·52	55·0	55·3	52·2	59·0	4·0	5·4	·325	·298	75	69	NNW 2	NW 1	10	10	—	Overcast.
13	·57	·61	57·5	54·0	52·9	59·6	5·2	3·0	·329	·334	70	80	WNW 2	W 1	10	10	·125	
14	·43	·28	54·8	58·3	52·0	59·5	1·7	2·1	·381	·423	89	86	SWb.S 1	NWb.W 3	10	10	·374	Overcast, with ●. Squally *p*.
15	·38	·45	60·0	56·2	55·6	61·4	4·1	3·6	·392	·352	76	78	WSW 2	WNW 2	10	10	·200	● *a*. Overcast.
16	·53	·31	61·2	61·0	53·4	66·8	3·4	3·0	·431	·439	80	82	WSW 2	WSWbyS 2	8	10	·690	Overcast. ● *p*.
17	·26	·40	57·9	54·9	54·0	61·0	3·0	2·4	·393	·364	81	85	WbyS 3	SW 1	10	7	·050	Cloudy *a*. Fine and sunny *p*.
18	·46	29·50	55·5	55·7	52·1	61·9	1·4	2·3	·400	·379	91	85	WSW 3	WbyS 1	10	10	—	Overcast *p*.
19	29·33	28·98	58·3	57·6	53·0	63·3	2·5	1·4	·411	·432	84	90	NNE 1	NEbyN 1	10	10	·511	Overcast and gloomy. ● 0 *p*.
20	28·73	29·07	58·1	54·0	53·6	59·3	0·8	3·4	·458	·324	94	78	Calm 0	WbyS 2	10	1	·396	Overcast, with ↗ ●. Clear evening.
21	29·01	28·77	56·6	53·0	46·8	61·0	5·6	1·3	·309	·366	67	91	SSW 2	Calm 0	8	10	·300	Overcast, with ● *p*.
22	·09	29·33	54·9	52·7	50·8	58·9	2·9	3·5	·350	·307	81	77	NWb.W 2	NWb.W 3	10	3	·056	Overcast, with ●. Squally *p*.
23	·45	·42	54·0	54·0	47·9	57·8	3·8	1·9	·315	·363	75	87	W 4	WSW 3	10	10	·545	● showers *a*. Overcast and squally, [with ● *p*.
24	·37	·42	53·8	52·0	49·5	59·1	3·5	4·0	·320	·287	77	74	NNW 1	WNW 1	9	10	·145	
25	·40	·52	52·3	53·7	44·8	59·1	1·1	3·4	·362	·322	92	78	WbyS 2	NWb.W 3	10	10	·062	
26	·66	·74	55·8	53·2	49·0	58·6	7·0	2·1	·271	·347	61	86	NW 1	W 1	0	10	·022	
27	·78	·76	57·0	54·2	51·6	58·4	2·1	2·4	·402	·353	86	84	WSW 2	SWb.W 1	10	10	—	Overcast.
28	·68	·69	57·9	53·1	51·8	62·6	4·9	2·1	·343	·346	71	85	SW 2	Calm 0	10	0	—	Overcast day. Evening clear.
29	·72	·75	57·0	52·1	51·0	63·8	3·2	1·1	·372	·360	80	92	SWb.S 2	Calm 0	10	0	—	
30	·74	·77	60·0	54·2	43·3	67·4	3·9	1·7	·398	·372	77	89	Calm 0	Calm 0	0	0	—	
31	29·81	29·83	61·5	59·0	48·3	67·0	3·0	2·0	·449	·436	82	88	NEbyN 1	Calm 0	0	9	—	≋ 1*a*. Day overcast, with ∞.
Mean	29·418	29·432	57·9	55·4	51·4	62·2	3·3	2·5	·385	·369	80·0	83·9	1·7	1·2	8·8	7·8	6·909	

HILLINGTON.—AUGUST 1889.

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

1	29·88	29·68	70·2	63·5	56·2	81·3	5·2	0·1	·535	·582	72	99	SE 3	S 0·5	10	10	1·000	☂ 2 ● 2 4.30*p*.—7*p*.
2	·71	·86	65·5	61·5	55·1	73·5	3·9	1·9	·491	·480	79	89	W 3	SW 3	6	10	·092	Fine and sunny.
3	·67	·70	63·0	60·8	58·0	73·1	1·7	3·2	·514	·430	90	81	SW 4	SW 6	10	1	—	↗ *p*.
4	·85	·78	64·1	58·0	54·1	71·4	5·5	0·4	·418	·469	70	97	NW 4	SE 2	1	7	·136	◗ *a*. Fine and sunny. ◗ 2 *p*.
5	·60	·54	61·4	57·3	56·8	69·5	2·0	0·7	·477	·449	88	95	SW 2	SW 1	10	10	·534	☂ 2*p*. ● 2 ▲ 3*p*. ● 2 8*p*.
6	·56	·62	59·8	56·0	50·3	67·6	5·0	2·3	·366	·381	71	85	SW 6	SW 3	4	5	·080	● showers *p*.
7	·77	·98	62·8	54·0	52·9	67·6	4·2	0·8	·433	·394	76	94	SW 3	SW 0·5	6	10	·146	● showers *p*.
8	·98	·88	62·5	53·0	45·6	70·8	4·9	0·3	·409	·394	73	98	SE 2	W 0·5	3	10	·037	● 8 *p*.
9	·81	·68	60·3	55·5	50·1	65·9	3·0	0·2	·412	·434	79	99	SW 2	SW 1	6	10	·230	● 0 2*p*. ● *n*.
10	·63	·52	60·0	53·0	49·1	69·5	3·4	0·1	·412	·400	80	99	SW 3	SW 1	8	10	·358	● 0 4*p*. ▲ 8*p*. ● 9*p*.
11	·43	·49	60·4	53·3	49·6	64·4	2·6	0·3	·444	·399	85	98	NW 1	NW 0·5	6	10	1·310	☂ 1*p*. ● 2 8*p*. < *p*.
12	·49	·78	55·2	55·2	52·9	59·4	0·4	2·2	·424	·373	98	86	NW 4	NW 4	10	8	·160	● 2 most of day. Overcast all day.
13	·80	·93	60·2	53·8	51·9	67·3	3·4	0·5	·415	·400	80	96	NW 3	NW 2	10	5	—	
14	·82	·62	60·5	58·0	47·7	64·0	4·8	0·9	·381	·454	73	94	SW 3	SW 4	6	10	·228	
15	·69	·71	58·4	57·2	55·1	68·5	1·0	1·5	·457	·422	94	90	W 1	W 1	10	0	—	
16	·84	·81	64·0	64·2	52·1	72·5	5·9	2·2	·404	·520	68	87	NW 2	W 3	2	10	·057	
17	·61	·72	63·8	52·8	52·8	70·6	2·7	1·3	·496	·364	84	91	SW 5	W 0·5	6	0	·070	Fine and sunny. ● showers.
18	·86	·82	62·2	55·2	47·1	69·5	5·5	1·3	·388	·397	70	91	SE 1	SE 1	0	0	—	Fine and sunny. ◗ *p*.
19	·66	·33	60·2	63·1	52·0	68·4	2·5	0·4	·441	·564	85	97	SE 2	S 1	10	10	·120	
20	·06	·41	62·2	55·0	54·9	64·7	1·5	3·3	·507	·342	91	79	SW 0·5	WNW 5	10	5	·062	● 2 10.30*a*. Overcast all day. ↗ *p*.
21	·41	·10	59·2	55·0	49·5	64·3	4·4	1·2	·371	·397	74	92	SW 4	SW 0·5	2	10	·217	● 3.30 *p*. Distant T 4*p*.
22	·27	·60	56·0	51·1	51·0	61·3	1·4	0·4	·407	·365	91	97	W 4	NW 1	8	10	·345	● 2 3*p*.
23	·78	·76	56·0	53·2	46·1	61·5	3·3	2·5	·356	·338	79	83	WNW 4	WNW 1	8	7	·037	Fine, then cloudy.
24	·69	·69	53·1	48·0	48·0	62·5	1·3	0·5	·367	·322	91	97	WSW 3	W 0·5	10	4	·040	● *a*. Distant T 4*p*. ◗ 2 *p*.
25	·73	29·77	54·1	53·0	38·5	60·2	2·5	1·3	·349	·366	84	91	W 3	W 1	8	10	·138	Much cir. ● shower 3*p*.
26	29·91	30·02	52·0	54·1	49·3	62·4	0·3	2·9	·379	·339	98	81	NW 2	NW 2	10	8	·067	● 2 6*a*.—noon. ● shower 8*p*.
27	30·10	·10	57·8	56·8	42·1	66·5	3·2	1·8	·384	·409	80	88	SW 3	W 1	10	10	—	
28	·06	·03	55·4	56·2	51·5	66·5	2·7	2·8	·362	·370	83	82	SW 5	SW 2	10	0	·003	Cloudy, then fine. ◗ 2 *p*.
29	·07	·06	58·1	56·1	47·7	74·0	3·3	1·2	·385	·415	80	91	SW 5	E 0·5	4	0	·004	Very fine and sunny. ◗ 2 *p*.
30	·05	·02	65·0	59·8	47·4	79·4	4·4	2·2	·465	·443	76	87	SW 0·5	E 0·5	0	0	·003	Very fine and sunny. ◗ ◗ 2 *p*.
31	30·07	30·10	65·8	57·4	55·0	73·5	3·8	0·7	·498	·451	79	95	E 3	NE 1	0	9	—	Very fine and sunny. ◗ 2 *p*.
Mean	29·738	29·745	60·3	56·2	50·7	68·1	3·2	1·3	·424	·415	81·3	91·3	2·9	1·7	6·6	6·7	5·474	

CHURCHSTOKE.—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·40	29·34	60·2	57·5	55·0	71·3	2·3	2·5	·446	·399	80	84	WSW 1	SW 2	9	10	·020	Dull and threatening.
2	·33	·30	62·0	56·9	54·0	70·3	4·1	1·1	·424	·430	77	94	SW 2	SW 1	6	9	·190	● shower early *a*.
3	·13	·27	64·0	59·9	55·9	69·4	2·5	2·0	·507	·451	85	88	W 2	SW 1	10	10	·020	Squally, with ● showers.
4	·38	·28	61·0	57·7	55·6	69·4	5·0	0·9	·382	·449	72	95	W 2	SW 1	8	10	·224	Breezy, hot, and threatening. ● *p*.
5	·08	·09	59·0	51·9	50·8	64·9	2·0	0·9	·436	·362	88	94	WSW 1	SW 2	10	10	·438	● showers. ☂ ⌒
6	·06	·22	58·0	51·9	50·4	62·7	3·5	0·9	·379	·362	79	94	WNW 2	W 1	6	10	·230	● showers. ⌒
7	·37	·51	57·7	53·9	51·4	61·5	3·2	2·4	·381	·349	80	85	W 2	NW 2	9	6	—	Cloudy.
8	·49	·41	63·0	54·7	47·0	67·7	6·0	2·7	·386	·352	67	82	NW 2	SW 1	6	8	·040	
9	·24	29·19	57·5	53·1	50·9	64·7	1·5	1·7	·427	·357	90	88	SE 2	W 3	10	2	·246	Dull, with ● showers. Tp.
10	29·14	28·99	58·1	51·9	46·0	63·9	3·3	0·7	·385	·367	79	94	SW 2	SW 1	8	5	·130	Cloudy and cool.
11	28·96	29·08	57·7	53·1	39·4	61·9	3·2	1·5	·381	·367	80	91	NNW 1	NW 2	8	8	·010	Distant T
12	29·22	·39	53·9	50·3	49·8	58·5	1·9	1·5	·362	·325	87	90	NNW 2	W 1	9	8	—	
13	·44	·48	58·9	52·4	47·0	60·5	5·9	1·9	·331	·343	66	88	NW 3	W 2	9	10	·020	Breezy.
14	·26	·17	56·7	60·0	51·0	65·9	1·7	2·3	·410	·443	89	86	SW 2	SW 2	10	8	·013	Dull, with ●.
15	·24	·32	60·8	55·7	53·0	67·7	3·8	0·9	·413	·416	78	95	W 2	SW 1	6	8	—	Cloudy.
16	·38	·17	63·0	59·9	48·1	71·9	5·3	2·0	·404	·451	71	88	W 2	SW 4	5	9	·10	Bright and fresh.
17	·16	·31	59·0	54·7	54·0	63·5	4·0	2·9	·379	·346	76	81	WNW 3	WSW 2	8	2	—	Squally.
18	·35	29·32	59·2	55·9	52·9	64·8	3·8	1·9	·388	·389	77	88	W 1	W 1	8	8	—	Threatening.
19	29·11	28·74	57·3	59·0	51·4	66·1	3·3	1·1	·373	·464	79	93	ESE 2	E 2	10	10	·320	Dull and cool.
20	28·71	·92	54·4	53·1	50·0	60·0	2·8	2·3	·345	·342	82	84	SW 4	WSW 2	10	4	—	Stormy.
21	·82	28·63	56·4	52·4	45·6	62·9	3·0	0·4	·369	·382	81	97	SSE 2	SW 1	9	8	·680	● 2 showers.
22	28·91	29·25	55·9	50·9	49·0	57·3	2·9	1·3	·364	·338	82	91	WNW 2	NW 1	9	9	·160	● showers.
23	29·31	·33	52·3	50·9	43·1	58·3	1·9	0·9	·342	·349	87	94	NW 2	NW 1	9	10	·150	● showers.
24	·23	·28	54·9	49·4	43·5	59·5	2·9	1·4	·349	·317	81	90	NW 2	NW 1	9	1	·020	Squally.
25	·30	·40	54·4	48·7	38·4	59·0	3·5	1·8	·329	·298	77	87	W 2	NW 1	10	6	—	
26	·51	·58	54·9	47·4	45·0	61·1	3·9	1·5	·325	·290	75	89	NW 2	NW 1	6	2	—	Bright, with cool wind.
27	·65	·62	56·9	53·7	44·0	60·2	2·9	3·7	·378	·315	82	76	WSW 2	W 3	10	9	—	Dull day.
28	·57	·56	57·3	54·3	51·0	61·2	4·5	3·3	·343	·333	73	78	W 3	W 2	9	8	—	
29	·58	·58	61·0	51·9	51·0	72·9	5·0	0·9	·382	·362	72	94	WNW 2	NW 1	6	0	—	Bright and breezy.
30	·55	·59	65·6	53·9	45·0	77·1	4·7	1·1	·465	·384	75	93	SE 1	NW 1	0	0	—	◗ 2. Bright and hot.
31	29·62	29·63	58·8	54·7	45·0	76·9	1·8	0·7	·430	·407	89	95	NW 1	NW 1	9	0	—	≋ 9 (mist) *a*. Dense mist on hills.
Mean	29·275	29·288	58·4	53·9	48·8	64·9	3·4	1·6	·388	·372	79·4	89·2	2·0	1·5	8·1	6·7	3·016	

CARMARTHEN.—AUGUST 1889.

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

1	29·80	29·75	66·8	60·4	54·8	73·6	7·7	1·3	·401	·480	61	93	W 2	SW 3	6	8	—	Dull day.
2	·72	·58	62·6	58·4	55·1	67·0	5·7	1·1	·388	·454	69	93	SW 4	SW 4	8	10	·920	Overcast. ● from 8*p*.
3	·54	·67	61·8	55·7	55·6	64·1	1·5	1·0	·500	·415	91	93	SW 6	W 1	10	0	·010	●, then fine.
4	·76	·65	67·4	59·0	50·2	68·6	9·3	1·2	·370	·461	54	93	S 1	S 1	8	9	·230	● *p*.
5	·47	·52	60·4	53·5	52·4	65·4	3·5	2·5	·416	·342	79	83	SW 1	W 2	8	2	·070	● *a*.
6	·54	·63	58·2	53·5	50·0	63·0	3·8	1·5	·374	·367	77	90	W 4	NW 2	6	2	·120	● showers.
7	·81	·91	60·3	52·5	48·3	65·4	5·6	1·3	·358	·360	69	91	W 2	W 1	9	0	·070	● *a*.
8	·91	·78	60·8	56·0	52·3	67·4	4·4	1·8	·396	·396	75	88	SW 2	SW 2	7	10	·440	
9	·61	·58	59·5	51·7	51·2	63·2	1·6	0·5	·457	·370	90	96	SW 1	W 2	10	6	·030	
10	·49	·35	60·0	52·2	48·9	62·2	4·6	1·8	·379	·343	73	88	SW 2	W 1	10	1	·250	● showers.
11	·35	·46	61·0	53·7	44·7	67·2	6·1	2·3	·356	·349	67	84	W 2	N 1	8	2	·050	● showers *a*. Fine *p*.
12	·62	·80	59·8	49·7	44·5	64·2	5·1	1·8	·364	·309	71	87	N 2	N 1	8	2	—	Fine day.
13	·88	·90	59·3	61·0	49·6	69·4	4·5	7·5	·370	·323	74	60	W 3	W 2	8	4	·050	
14	·65	·58	59·9	61·7	58·0	70·2	1·8	3·3	·457	·441	90	81	SW 4	NW 2	10	5	·170	
15	·67	·75	63·1	57·8	54·1	70·3	2·3	1·4	·496	·434	86	90	NW 3	W 2	8	3	—	
16	·79	·57	64·8	59·8	56·0	70·4	4·3	1·0	·464	·480	77	94	SW 3	SW 6	5	10	·340	● showers.
17	·57	·68	64·2	52·7	52·7	65·4	6·0	1·3	·381	·362	63	91	W 3	Calm 0	8	0	—	Fine day.
18	·75	·67	61·1	57·6	50·8	64·6	8·8	1·4	·295	·431	55	90	SW 3	SW 1	10	10	·100	● *a*.
19	·39	·07	61·5	59·8	53·4	66·4	3·7	1·6	·427	·462	79	90	E 1	Calm 0	10	10	·310	Dull day.
20	·22	·37	58·2	53·7	53·6	62·7	4·4	2·3	·353	·349	74	84	W 4	W 1	10	3	·220	
21	·06	·05	63·9	54·9	47·5	67·5	5·2	1·4	·422	·389	72	91	SW 3	W 2	10	3	·140	
22	·40	·66	57·0	53·5	52·1	60·4	0·6	3·8	·446	·311	96	76	NW 3	W 2	8	9	·050	
23	·82	·75	56·9	53·7	47·8	61·7	6·0	3·1	·304	·330	65	80	NW 4	NW 3	9	5	·090	
24	·66	·69	57·8	48·3	48·0	62·7	3·4	1·7	·378	·296	79	88	NW 3	NW 1	4	4	·110	
25	·72	29·81	60·1	50·2	44·5	62·7	6·2	1·2	·340	·331	66	92	NW 2	NW 1	6	2	·010	
26	29·94	30·02	59·9	51·6	47·4	65·0	5·5	1·4	·356	·345	68	90	NW 2	N 1	4	3	—	
27	30·08	30·04	60·0	55·3	47·2	62·6	1·0	2·4	·483	·369	94	84	W 1	W 1	9	4	—	
28	29·97	29·97	59·1	57·0	47·0	62·8	1·6	2·8	·451	·384	90	82	SW 6	W 2	10	9	—	
29	·97	·94	62·6	56·2	52·9	69·0	4·7	1·0	·416	·422	74	93	SW 1	SW 1	7	0	—	
30	·93	·96	72·4	57·8	46·2	76·1	9·0	2·2	·459	·412	58	86	S 1	N 1	0	0	—	Fine all day.
31	29·98	29·98	66·0	59·5	57·2	74·8	5·4	2·6	·453	·427	71	84	E 1	NE 3	0	2	—	Fine all day.
Mean	29·680	29·681	61·5	55·4	50·8	66·3	4·7	2·0	·404	·385	74·4	87·3	2·6	1·7	7·5	4·5	3·780	

MARGATE.—AUGUST 1889.

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

Day.	Barometer at 32° Faht.		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	29·90	29·80	70·0	66·2	59·3	80·0	6·0	2·4	·507	·554	69	86	S 1	SW 2	0	2	—	Fine and very hot.
2	·89	·93	60·8	58·2	54·7	72·0	1·0	2·2	·498	·418	94	86	SW 3	WSW 4	6	4	·050	Bright day.
3	·83	·79	61·4	62·2	57·8	64·2	1·4	1·8	·496	·496	92	89	WSW 4	SW 4	10	4	·040	● showers.
4	·91	·84	65·0	60·0	57·1	72·2	5·0	1·0	·447	·483	73	94	S 1	W 1	0	10	·180	Hot.
5	·66	·75	63·0	57·4	56·1	69·7	3·0	2·0	·472	·412	82	87	WSW 2	SW 2	8	0	·040	● showers.
6	·61	29·73	61·4	56·4	52·0	66·4	5·7	1·6	·370	·407	69	90	SW 2	W 2	6	0	—	Fine day.
7	29·87	30·01	61·0	59·0	51·9	70·8	5·4	3·0	·373	·407	70	82	W 1	W 2	0	3	·050	Very fine.
8	30·03	29·96	60·2	55·8	49·2	67·0	3·4	2·6	·415	·370	80	84	W 1	W 2	6	5	—	Very fine.
9	29·87	·73	62·0	56·0	51·7	67·0	5·6	0·6	·382	·430	69	96	W 3	W 4	9	10	·090	Dull day. ● from 6p.
10	·78	·69	60·0	56·0	51·4	64·0	3·8	1·9	·401	·394	77	88	SW 4	W 1	9	9	·320	Dull day.
11	·44	·50	61·2	54·0	52·1	65·5	5·1	1·7	·382	·369	72	88	SSE 2	SW 1	7	4	·160	●²
12	·56	·76	55·7	57·0	50·3	58·8	1·4	2·6	·403	·389	91	83	W 3	NW 4	10	10	·320	●² all day.
13	·89	·95	57·1	58·7	54·7	64·0	2·3	4·7	·399	·358	85	73	NW 3	NW 3	10	10	—	↗ before 9a. Finer.
14	·90	·65	60·2	57·0	53·1	67·0	6·1	0·7	·344	·444	66	95	W 3	WSW 4	8	10	·110	●² from 4p.
15	·73	·79	62·4	61·4	56·0	71·0	2·5	2·1	·479	·473	85	88	W 3	W 2	8	1	—	Finer. Dull afternoon.
16	·94	·84	63·0	61·8	57·0	69·7	3·5	1·4	·457	·503	80	91	W 2	W 4	4	10	—	Very fine.
17	·74	·84	62·8	58·4	58·0	69·2	2·5	1·3	·485	·447	85	92	SW 4	W 2	10	0	—	Very fine.
18	·94	·84	61·4	56·0	48·5	68·7	6·2	2·8	·358	·369	66	82	W 2	W 1	2	3	—	Very fine.
19	·64	·35	63·2	62·4	48·0	72·2	3·8	0·4	·451	·550	78	98	S 1	SW 3	10	10	·290	
20	·13	·53	63·9	57·0	47·0	65·3	2·6	2·6	·501	·388	85	83	SW 4	SW 4	10	10	·060	
21	·46	·22	60·0	57·5	53·0	66·0	1·6	1·6	·465	·424	90	89	W 3	W 4	10	3	·330	
22	·36	·65	60·0	57·0	54·9	65·1	4·2	3·2	·389	·371	75	80	SW 4	WSW 3	7	10	·010	
23	·85	·83	56·8	53·1	52·0	62·7	4·8	3·1	·331	·322	71	79	SW 2	W 2	3	4	·010	
24	·77	·74	54·5	50·4	49·0	60·5	2·2	1·4	·362	·329	86	90	W 2	W 1	10	1	·120	
25	·82	29·82	55·5	54·3	46·8	63·0	2·8	1·9	·361	·367	82	87	SW 2	W 2	0	0	—	Very fine.
26	29·93	30·03	55·9	51·7	51·0	62·4	4·1	0·7	·334	·365	75	95	W 2	W 2	0	10	—	Very fine.
27	30·16	·17	57·0	57·8	50·4	66·2	3·2	1·8	·371	·424	80	88	SW 2	SW 2	0	10	—	Very fine.
28	·15	·11	60·4	55·0	52·0	68·0	5·2	0·1	·369	·430	70	99	W 4	W 3	8	0	—	
29	·14	·10	64·2	60·0	50·0	74·8	5·2	3·6	·427	·407	71	78	W 2	W 1	0	0	—	Very bright.
30	·07	·04	69·8	62·8	56·0	79·6	6·8	4·8	·479	·416	66	73	S 2	S 1	0	0	—	Very sunny.
31	30·05	30·02	64·3	61·8	55·8	72·0	2·8	1·1	·501	·512	84	93	SW 2	Calm 0	4	0	—	
Mean	29·806	29·804	61·1	57·8	53·1	67·9	3·8	2·0	·420	·420	78·0	87·3	2·5	2·4	5·6	4·9	2·180	

SOUTHAMPTON.—AUGUST 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground :—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

1	29·88	29·88	70·7	60·7	60·7	80·4	4·9	4·1	·558	·404	74	77	SW 1	SW 1	10	5	·009	Beautifully fine and very warm.
2	·91	·92	68·5	61·7	58·2	72·3	7·5	1·9	·435	·486	62	89	WNW 3	SW 3	5	10	·317	● early a. Beautiful day, with pleasant breeze.
3	·80	·84	61·4	60·5	60·0	65·1	0·4	1·0	·530	·494	98	94	SW 4·5	WSW 4	10	5	·125	● till noon, and 1p.—3p.
4	·93	·82	67·3	60·5	55·2	71·3	5·1	1·2	·485	·487	72	93	W 0·5	SW 1·5	3	10	·115	Beautiful day. ● from 8p.
5	·65	·69	61·9	59·1	57·9	69·0	1·3	3·0	·509	·409	93	82	SW 3	WSW 3·5	10	7	—	Beautiful day.
6	·68	29·77	63·1	57·1	53·9	67·8	5·6	2·4	·400	·396	70	84	WSW 4	SW 1·5	4	2	·023	Beautiful a. ● showers p.
7	29·93	30·05	65·9	56·6	51·4	71·3	6·6	3·7	·416	·355	66	77	WSW 3	Calm 0	2	1	—	Beautiful day.
8	30·05	29·98	64·0	56·9	47·6	69·1	5·4	1·9	·420	·406	70	88	W 2	Calm 0	7	4	·030	Beautiful day.
9	29·86	·75	59·9	56·8	53·8	63·2	1·4	0·6	·471	·443	92	95	SW 3	SW 1·5	10	1	·397	◐ a. and p.
10	·71	·55	58·9	56·2	51·3	67·3	1·8	1·4	·440	·410	89	91	SW 1·5	SW 1·5	10	8	·100	● early a. Beautiful day. ● 6p–7p.
11	·45	·56	57·0	55·2	51·0	66·0	1·3	1·3	·425	·398	91	91	WSW 1	NW 1·5	10	1	·037	◐ showers. T 1p. and 5p.
12	·66	29·84	60·9	56·0	48·4	65·7	3·3	1·9	·429	·394	81	88	NW 2·5	NW 1	10	10	—	Beautiful day.
13	·96	30·01	60·9	57·0	52·2	66·9	4·9	2·9	·384	·380	72	82	NW 2	NW 1	9	8	—	Beautiful day.
14	·94	29·66	63·4	59·8	48·4	64·9	5·0	0·1	·422	·512	72	99	SW 3·5	SW 1	10	10	·278	Beautiful a. ● p.
15	·79	·87	62·4	61·0	54·9	69·9	2·4	1·6	·482	·483	86	90	SW 2·5	WNW 2	10	1	·015	Dull a. Beautiful p.
16	·95	·87	66·5	60·8	57·2	73·0	3·6	1·2	·519	·493	80	93	SW 2	SW 3·5	9	10	·013	Beautiful day. Overcast evening.
17	·73	·88	61·1	56·8	56·8	71·6	1·0	2·4	·504	·391	94	84	SW 3	W 1	10	0	—	Beautiful day.
18	·95	·86	64·9	57·4	50·2	68·8	7·1	1·8	·388	·417	62	89	SW 2·5	SE 0·5	6	1	—	Beautiful day.
19	·61	·32	63·3	61·5	52·2	68·4	3·7	1·6	·458	·493	78	99	SE 3	SSE 1·5	10	10	·317	Fine and very pleasant a. ● p.
20	·32	·60	58·7	57·0	56·8	66·5	3·6	3·8	·387	·356	78	76	W 5·5	SW 3	10	10	·032	↗ ●² n. Beautiful day.
21	·45	·22	59·7	58·3	54·5	63·2	2·8	2·6	·425	·409	83	83	SW 3	SW 5	10	5	·288	Squally, with frequent ●² showers.
22	·47	·74	58·5	54·3	54·2	65·6	2·3	1·9	·420	·368	85	87	SW 3	W 1	10	3	·010	● early a.
23	·92	·90	61·0	54·8	51·1	65·2	5·8	3·0	·363	·348	68	81	SW 2	SW 2	6	10	·088	Beautiful day.
24	·81	·79	55·5	53·6	52·3	65·1	1·8	1·8	·390	·361	88	88	WSW 1·5	W 1·5	9	1	·025	● till 9a. Beautiful day.
25	29·83	29·89	62·0	56·0	45·7	68·1	5·6	2·3	·383	·383	69	85	WNW 0·5	W 1·5	4	3	—	Beautiful day throughout.
26	30·01	30·10	61·9	55·0	48·8	67·3	5·7	2·3	·378	·367	68	85	NW 2·5	WNW 2	2	1	—	Beautiful day throughout.
27	·20	·18	58·3	55·9	44·3	68·6	3·4	1·5	·386	·404	79	91	SW 1·5	SW 2	9	0	—	≋⁰ early a. Beautiful day.
28	·17	·12	60·5	54·5	48·6	67·6	4·0	0·9	·403	·399	77	94	SW 3	SW 0·5	8	0	—	Beautiful day. ◐ n.
29	·14	·09	64·1	56·8	46·0	75·1	4·2	1·5	·457	·417	77	90	SE 1	NE 1	0	0	—	Beautifully fine and warm.
30	·07	·04	70·0	59·9	47·9	80·6	6·1	1·8	·505	·457	69	90	SSE 1	E 0·5	0	0	—	Beautifully fine and warm. ◐ n.
31	30·06	30·05	68·6	61·7	51·0	77·2	5·1	1·6	·509	·495	73	91	NW 1	Calm 0	2	0	—	◐ a. and p. Beautifully fine and warm.
Mean	29·834	29·834	62·6	57·7	52·4	69·1	4·0	2·0	·441	·420	77·9	87·6	2·4	1·6	7·3	4·4	2·129	

BABBACOMBE.—AUGUST 1889.

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

Day.	Barometer at 32° Faht.		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	29·68	29·67	64·1	59·2	58·2	72·0	4·3	1·0	·453	·470	76	94	NW 2	WSW 3	9	10	·160	◐ ≋⁰ (mist) a. ⊕⁰ 10a.
2	·68	·67	63·8	59·8	55·3	68·3	3·9	0·9	·459	·483	78	94	WSW 3	SW 4	7	10	·490	●² 1a. ● showers.
3	·53	·64	61·8	59·6	59·1	67·5	0·1	0·9	·548	·480	99	94	SW 5	SW 2	10	9	·010	Dull till 1.30p.
4	·70	·59	63·4	58·7	53·1	66·1	3·5	1·0	·464	·462	80	94	SSW 2	SW 2	9	9	·050	
5	·43	·51	62·0	55·7	55·3	67·4	3·1	2·8	·453	·365	82	82	WSW 4	WSW 3	7	8	·010	
6	·49	·60	62·2	55·1	53·3	66·6	5·0	2·5	·401	·364	72	84	WSW 4	W 3	3	1	—	Clear 11a.—6p. ◐ p.
7	·74	·85	60·7	53·2	51·4	68·6	4·6	2·3	·389	·343	74	84	W 2	W 2	7	2	·010	Clear 11a.—7p. ◐ p.
8	·82	·74	64·8	54·9	49·1	66·5	6·3	2·0	·409	·374	67	87	S 2	WSW 2	7	9	·080	◐ n. and p. Clear 1p.—5p.
9	·58	·57	58·1	53·9	53·9	61·5	0·2	1·3	·477	·378	98	91	SW 4	WSW 2	10	2	·170	≋⁰ (mist) a. ● showers. B 10p.
10	·47	·31	59·9	52·6	52·6	65·4	3·2	0·8	·416	·374	81	95	SW 3	SW 3	9	2	·180	◐ n. and p. ● showers. [B p.
11	·25	·38	56·1	52·9	49·6	67·7	2·3	2·0	·382	·346	85	87	NNW 1	W 2	6	1	·010	● showers. ◐ p.
12	·48	·67	60·0	56·0	51·2	67·2	3·3	3·5	·415	·351	80	78	N 2	NW 2	9	4	·010	◐ n. and p. ● noon—7p.
13	·76	·81	62·2	51·5	49·2	67·6	5·9	2·4	·377	·318	68	84	NW 2	WSW 1	7	1	—	◐ n. and p. ⊕⁰ 3p.
14	·69	·50	57·8	60·5	49·3	61·6	2·2	1·0	·412	·492	86	94	SW 4	WSW 1	10	10	·090	◐ n. and p. ●⁰ 10a.—5p.
15	·59	·70	68·6	61·4	56·1	71·9	4·8	1·6	·520	·489	74	91	WNW 3	W 3	8	9	—	
16	·74	·62	68·5	59·0	58·5	70·1	5·0	0·3	·511	·489	73	98	W 3	SW 4	8	10	·040	● showers 9a.—9p. Very gloomy p.
17	·52	·68	63·9	54·7	54·7	68·6	3·3	2·2	·480	·366	81	86	WNW 3	WSW 2	8	1	—	◐ p.
18	·72	·62	60·3	54·6	51·0	66·4	3·4	1·0	·416	·397	80	93	SW 3	SW 1	9	4	—	◐ n. and p. ⊕ noon.
19	·34	·04	59·9	59·5	53·3	65·0	1·8	0·3	·457	·498	90	98	ESE 2	S 3	9	10	·220	≋⁰ (mist) ● showers. ●² 7p.
20	·20	·37	59·9	54·0	54·0	64·7	4·2	1·0	·388	·388	75	93	WNW 6	SW 3	4	10	·130	Squally ↗ (gale) ● showers a.
21	·15	·04	57·7	55·5	53·0	63·4	0·6	1·5	·459	·397	96	90	S 4	WSW 4	10	3	·300	● showers. Squally ↗ (gale) 4p.
22	·29	·57	61·0	54·1	52·5	64·8	5·6	2·0	·367	·362	69	86	WNW 3	W 1	4	9	·030	● showers 10a.—noon, and 5p.
23	·74	·71	57·6	53·6	49·5	62·7	4·0	2·8	·361	·336	77	81	WNW 2	WSW 2	3	10	·010	● showers till noon.
24	·61	·60	55·7	54·0	52·0	63·6	2·9	1·2	·362	·382	82	92	W 3	WSW 1	9	10	·100	● showers. T 2p. ≋⁰ (mist) p.
25	·62	·72	56·6	53·0	48·4	64·7	3·7	2·2	·355	·343	77	85	NW 2	WNW 2	3	1	·010	● showers. ◐⁰ p.
26	·82	·92	60·3	51·9	48·4	66·2	6·8	2·9	·329	·311	63	81	NNW 3	NW 3	4	1	—	◐⁰ n. Clear a. and p. [(mist) p.
27	·99	·97	64·6	53·0	47·2	67·4	5·5	1·0	·427	·374	71	93	S 2	WSW 1	2	1	—	n. and p. Fine day. ⊕⁰ 2p. ≋⁰
28	·94	·89	59·3	52·2	46·4	67·7	4·5	1·3	·371	·356	73	91	SW 3	WSW 2	4	0	·010	◐² n. and p. Fine day. ≋⁰ (mist) p.
29	·89	·86	56·9	56·3	47·4	66·5	2·0	0·6	·404	·434	87	96	NE 1	NE 1	1	0	—	≋ till 9a. ◐² n. and p. ≋⁰ (mist).
30	·83	·82	65·0	58·8	48·1	69·6	5·0	0·8	·447	·470	73	95	NE 1	Calm 0	0	0	—	◐² n. and p. ≋ (mist).
31	29·84	29·83	61·1	61·4	53·1	70·8	2·5	2·2	·456	·470	85	87	NE 1	W 1	9	1	—	◐² n. ≋² (mist).
Mean	29·616	29·628	61·1	55·8	52·1	66·7	3·7	1·6	·425	·402	79·1	89·6	2·7	2·1	6·6	5·1	2·120	

LONDONDERRY.—AUGUST 1889.

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

1	29·79	29·69	62·3	57·7	52·2	68·4	5·1	2·0	·401	·417	72	87	SW 1	SW 1	10	6	·070	
2	·64	·60	59·7	56·7	52·8	65·4	2·4	1·5	·436	·415	86	90	SW 2	SW 2	10	10	·260	● at times during day.
3	·48	·70	59·1	55·7	54·5	62·3	1·6	1·3	·451	·406	90	91	N 2	NW 1	10	8	·120	● a. Fair evening.
4	·77	·68	58·8	56·1	50·2	64·2	3·0	1·4	·405	·410	82	90	SW 1	Calm 0	9	10	·340	● during day.
5	·50	·48	60·1	54·7	52·4	60·6	2·4	1·1	·443	·396	86	93	Calm 0	NW 1	8	10	·550	● nearly all day.
6	·50	·67	56·0	56·1	53·2	56·8	1·2	1·2	·483	·415	92	91	NW 4	NW 1	10	10	·700	●² showers.
7	·84	·96	57·7	54·7	52·6	62·2	1·1	1·1	·443	·396	93	93	WSW 2	Calm 0	9	6	·050	
8	·92	·70	59·1	55·9	49·2	65·9	2·8	1·2	·415	·412	83	92	SW 2	SW 3	8	10	·210	Fine till 2.30 p., then ●.
9	·65	·63	60·7	55·0	53·0	63·0	3·8	0·3	·411	·424	78	98	SW 2	Calm 0	8	10	·400	● at times during day. T 3.30p.
10	·53	·48	56·7	53·7	51·8	62·2	1·2	1·0	·424	·384	92	93	SW 1	E 1	9	8	·050	
11	·54	·70	56·6	56·6	47·0	64·3	1·4	2·3	·417	·391	90	85	NW 1	NW 1	10	8	·020	
12	·85	·93	58·7	55·7	51·9	62·3	1·2	3·0	·457	·361	93	81	NW 1	NW 1	8	10	·010	
13	·94	·88	59·9	56·0	51·5	64·0	6·3	2·9	·336	·368	65	82	NW 3	NW 1	7	10	·490	
14	·53	·66	59·2	56·2	54·0	61·7	1·0	1·5	·471	·408	94	90	SW 2	SW 2	10	10	·060	
15	·60	·78	60·7	56·7	53·5	64·3	2·7	2·0	·443	·401	84	87	SW 3	SW 2	10	10	—	
16	·74	·38	58·7	55·4	53·5	62·5	3·0	0·7	·403	·419	82	95	SW 2	SW 2	10	10	·930	●² 2p.—7p.
17	·51	·60	56·7	53·2	51·0	62·0	5·0	1·0	·324	·377	71	93	SW 4	SW 2	2	10	·180	● showers during day.
18	·67	·70	54·2	54·4	49·9	63·1	1·8	2·4	·369	·356	88	84	WSW 3	WSW 2	7	10	·100	● showers during day.
19	·54	·31	59·5	53·0	52·1	61·6	2·8	0·4	·421	·391	83	97	SW 2	SW 1	10	10	·630	● from 2p.
20	·26	·36	55·2	51·0	50·1	60·0	2·5	2·1	·365	·321	84	85	NW 3	NW 3	10	0	·060	● showers during day.
21	·20	·23	52·7	52·7	45·0	55·2	1·0	1·5	·370	·356	93	89	SW 2	SW 2	10	3	·230	Constant ● all day.
22	·51	·77	52·2	50·7	49·5	58·1	1·6	2·7	·348	·302	89	82	NE 2	SW 1	10	10	·130	● showers.
23	·76	·72	56·2	51·6	48·2	59·1	4·1	0·8	·340	·361	75	95	NW 3	SW 2	10	10	·310	● nearly all day.
24	·74	·80	52·7	51·7	45·7	60·5	2·3	2·0	·336	·332	84	86	NW 2	NW 2	5	10	·100	● showers a.
25	29·83	29·98	52·2	49·8	49·0	58·7	1·5	2·0	·350	·307	90	86	SW 2	NE 2	10	0	·030	● showers during day.
26	30·01	30·06	54·9	54·7	46·5	59·0	3·2	0·7	·343	·408	80	95	SW 2	SW 2	10	10	·090	
27	30·04	29·86	54·7	55·4	52·0	59·3	1·5	3·1	·385	·353	90	81	SW 2	SW 3	10	10	—	
28	29·76	·81	59·7	58·7	54·0	60·9	2·3	0·8	·439	·469	86	95	SW 3	SW 2	10	10	·430	Fine a. ● in evening.
29	29·91	29·98	55·7	54·7	52·0	59·5	0·5	0·7	·429	·408	96	95	N 2	SW 2	10	10	·220	● showers all day.
30	30·05	30·13	56·4	51·1	50·0	67·2	2·0	1·4	·396	·340	87	90	NNE 2	NW 2	10	0	—	Fine and clear.
31	30·18	30·17	57·2	52·7	46·0	72·5	3·5	1·0	·367	·370	78	93	SW 2	NE 2	0	0	—	Fine day.
Mean	29·702	29·722	57·2	54·5	50·8	62·2	2·4	1·5	·398	·383	85·0	89·8	2·1	1·6	8·7	8·0	6·770	

ARMAGH.—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·68	29·58	62·1	56·3	50·5	67·3	5·2	2·1	·395	·393	72	86	SSW 2	SSW 2	10	0	—	
2	·55	·48	60·2	56·6	51·3	66·2	3·6	1·2	·410	·423	79	92	SW 2	S 2	10	10	·490	
3	·35	·59	59·5	52·9	52·3	63·3	0·4	1·6	·496	·356	98	89	SW 2	WSW 1	10	0	·180	
4	·68	·55	58·2	57·6	48·4	63·8	3·1	2·5	·393	·401	81	84	SW 1	S 2	10	10	·060	
5	·39	·36	55·5	52·2	52·0	60·9	2·3	0·4	·376	·380	85	98	SW 1	W 1	10	10	·910	Overcast all day.
6	·38	·56	56·2	53·2	51·5	57·9	1·4	0·4	·410	·394	91	98	WNW 1	W 0·5	10	10	·490	Overcast all day.
7	·72	·83	60·1	54·8	50·0	64·7	3·5	0·6	·411	·412	80	95	WSW 1	SSE 0·5	8	10	·120	T 4p.
8	·81	·60	60·3	54·9	49·1	60·8	4·9	0·8	·376	·408	72	95	SW 0·5	SSE 2	7	10	·150	
9	·55	·51	59·4	51·9	51·1	64·8	3·4	0·4	·402	·376	80	98	WSW 1	SW 1	10	7	·130	☾ 3.30p.–6p.
10	·41	·34	57·1	50·7	50·0	63·5	3·3	0·6	·371	·354	80	96	SW 1	SSE 0·5	8	10	—	
11	·40	·55	61·1	53·7	48·1	62·4	4·3	1·1	·404	·381	75	92	E 0·5	N 0·5	10	10	·175	T 10.15a.
12	·70	·80	59·0	52·6	51·4	62·9	4·7	1·5	·362	·356	73	99	N 1	NW 0·5	7	10	·010	
13	·84	·77	58·2	54·1	50·5	65·4	3·6	3·5	·380	·323	78	78	W 1	SW 1	8	10	·305	
14	·43	·54	58·4	56·2	52·5	64·5	0·5	2·2	·473	·388	97	86	SW 3	W 1	10	10	·010	Overcast all day.
15	·52	·67	60·5	56·1	52·2	65·2	2·6	1·8	·443	·398	84	88	WSW 2	WSW 1	10	10	·020	
16	·64	·28	59·5	55·3	52·2	65·2	3·3	0·4	·407	·426	80	97	SW 2	SW 2	10	10	·590	● 2 (very heavy) 9p.
17	·42	·52	57·9	53·9	51·0	62·9	4·8	2·5	·346	·346	72	84	WSW 3	SW 2	10	10	·075	
18	·59	·58	58·6	55·1	51·7	63·5	2·5	2·1	·416	·374	85	86	WSW 3	SSW 1	7	10	·005	
19	·41	·11	57·6	51·9	51·3	59·3	2·3	0·0	·407	·387	85	100	S 1	NE 1	10	10	1·580	Overcast all day.
20	·12	·26	55·1	49·9	49·1	62·3	2·8	2·1	·356	·306	82	87	NW 1	SW 2	8	0	·059	● 2 (very heavy) in past n.
21	·04	·08	51·0	50·0	45·8	54·8	0·8	0·8	·353	·339	94	94	ESE 1	N 1	10	10	·750	
22	·34	·65	53·2	47·9	47·0	59·5	1·5	2·1	·363	·282	90	86	NW 1	WNW 1	10	9	·030	
23	·67	·61	54·2	50·9	46·4	59·6	2·2	0·7	·358	·355	85	95	SW 1	SW 1	10	10	·255	
24	·61	·67	54·7	47·7	46·5	59·9	2·8	1·5	·351	·294	81	89	WNW 1	NNW 1	8	8	·061	
25	·70	·82	54·0	46·3	46·0	60·3	2·3	1·3	·352	·283	84	91	NW 1	NW 0·5	10	3	—	
26	·89	·92	54·1	54·0	44·8	58·8	3·2	1·1	·331	·385	79	92	W 1	WSW 1	10	10	·055	
27	·94	·81	56·7	54·9	52·8	63·5	3·0	4·1	·373	·322	81	75	SW 2	SSW 3	10	9	·003	
28	·69	·72	58·9	60·5	52·5	63·6	3·0	2·3	·406	·452	81	86	SSW 4	SSW 3	10	10	—	
29	·78	·84	60·0	58·0	56·8	64·2	2·1	0·3	·450	·473	87	98	SSW 3	SW 1	10	10	·150	Overcast all day.
30	29·90	29·99	56·7	54·6	53·0	63·3	0·7	0·8	·438	·404	95	95	SW 0·5	SW 0·5	10	10	—	
31	30·03	30·02	53·7	52·5	48·8	66·5	0·7	0·7	·392	·376	94	95	SW 0·5	SW 0·5	10	0	—	≋ early a.
Mean	29·586	29·600	57·5	53·5	50·2	62·6	2·7	1·4	·394	·372	83·2	90·8		1·5		1·2	9·4	8·3	6·663

MARKREE CASTLE (SLIGO).—AUGUST 1889.

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

1	29·70	29·62	60·3	57·1	47·1	67·3	2·9	2·0	·431	·407	82	87	SSW 2	SSE 0·5	10	10	·010	
2	·60	·48	59·3	56·1	54·9	63·1	3·0	0·9	·412	·424	82	93	SSW 0·5	SSE 1	10	10	·530	Overcast all day.
3	·44	·69	59·2	54·4	53·5	62·0	1·8	1·5	·445	·381	89	90	WSW 1	SSW 0·5	10	10	·010	
4	·72	·60	58·1	54·0	44·4	62·0	3·5	0·7	·382	·397	78	95	S 1	Calm 0	10	10	·230	Overcast all day.
5	·44	·45	58·0	54·7	51·8	60·3	1·8	1·5	·427	·385	88	91	Calm 0	NW 2	10	10	·440	● showers.
6	·51	·67	56·7	53·8	52·3	60·1	2·6	0·6	·384	·395	84	95	NNW 3	WNW 1	8	10	·530	● showers.
7	·81	·91	60·0	55·2	52·1	61·9	3·7	1·7	·403	·387	78	89	WSW 1	NW 0·5	9	10	—	
8	·85	·59	56·6	56·5	45·2	58·1	1·9	0·4	·403	·445	87	97	SSE 1	S 2	10	10	·410	Overcast, with ●.
9	·61	·58	58·9	51·4	51·0	65·0	2·4	0·6	·423	·364	85	96	S 0·5	Calm 0	10	10	·250	
10	·43	·40	56·0	51·8	44·4	59·8	3·6	0·7	·350	·366	77	95	SE 2	Calm 0	10	10	·090	
11	·48	·64	59·1	52·3	44·6	62·3	4·1	1·6	·379	·349	75	89	N 1	NNE 0·5	7	8	—	
12	·81	·90	58·0	55·1	50·2	61·3	6·0	2·9	·318	·353	66	81	N 2	NNW 0·5	9	10	—	
13	·91	·81	58·1	56·1	52·0	61·3	3·0	2·5	·395	·380	81	84	SSW 0·5	SSE 1	9	10	·330	
14	·51	·64	60·4	55·0	54·4	61·3	1·2	0·9	·486	·406	93	94	WSW 1	Calm 0	10	10	·020	Overcast all day.
15	·64	·75	58·5	57·0	52·5	60·5	2·2	1·1	·423	·431	86	92	WNW 3	Calm 0	10	10	·020	Overcast all day.
16	·65	·37	58·9	53·5	53·1	64·1	2·8	1·0	·411	·382	83	93	S 2	WNW 2	10	10	·270	Overcast all day.
17	·51	·57	59·4	54·3	50·2	63·6	4·3	2·7	·379	·347	75	82	W 2	SSW 1	9	10	·030	
18	·64	·62	59·9	55·1	47·4	62·2	4·1	0·9	·392	·408	76	93	SSW 1	SSW 0·5	8	10	·050	
19	·45	·23	56·0	52·0	51·4	58·3	1·0	0·1	·419	·385	93	99	SE 0·5	Calm 0	10	10	·780	Overcast, with ●.
20	·29	·35	55·4	48·0	47·3	59·9	3·9	1·1	·334	·307	76	92	NW 3	SSW 0·5	9	4	·480	Sunny afternoon. ● at night.
21	·05	·20	52·3	53·2	42·9	55·8	0·6	1·8	·376	·355	96	88	Calm 0	NNW 2	10	10	·190	Overcast all day.
22	·48	·77	55·2	52·2	50·1	57·2	3·9	3·1	·330	·311	76	80	NNW 3	NW 2	10	10	·070	
23	·78	·71	54·1	51·4	49·2	58·8	2·1	0·8	·359	·359	85	94	WNW 3	SSW 1	10	10	·470	
24	·71	·77	54·0	46·3	46·0	59·5	4·3	1·0	·303	·290	73	93	NW 2	Calm 0	9	8	·020	
25	·81	29·91	56·2	51·9	43·9	58·9	5·1	2·3	·316	·326	70	85	NW 3	WNW 1	8	9	·010	
26	29·98	30·01	56·9	54·1	45·2	58·8	4·3	0·8	·343	·396	74	94	WNW 1	SSW 1	10	10	·080	Overcast all day.
27	30·00	29·84	55·2	55·4	52·2	59·3	2·8	2·5	·357	·368	82	84	SSE 1	SSE 3	10	10	·020	Overcast all day.
28	29·75	·75	59·8	58·8	55·0	64·8	1·8	0·9	·456	·467	89	95	SSW 3	SSW 3	10	10	·390	Overcast all day.
29	·83	29·90	54·1	55·0	52·7	60·5	0·4	0·5	·408	·418	97	97	Calm 0	Calm 0	10	10	·230	Overcast all day.
30	29·99	30·06	57·0	47·5	46·9	61·2	2·8	0·5	·383	·316	82	96	NNW 0·5	Calm 0	10	8	—	Sunny afternoon.
31	30·10	30·08	57·2	49·9	37·7	66·5	2·7	0·7	·389	·341	83	95	Calm 0	Calm 0	5	10	—	≋ before 9a. Sunny day.
Mean	29·661	29·673	57·4	53·5	49·1	61·2	2·9	1·3	·388	·376	82·0	91·2		1·4		0·9	9·4	9·6	5·960

DUBLIN (PHŒNIX PARK).—AUGUST 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·77	29·66	65·6	59·1	47·7	69·9	8·7	3·2	·359	·403	57	80	SSW 1	SSW 1	6	2	·215	Bright a. ● 2 showers p.
2	·64	·58	64·6	56·9	55·3	69·8	6·8	2·2	·391	·398	64	86	SW 1	SSW 1	8	10	·150	Cloudy, with ● 0 showers.
3	·43	·68	64·9	56·9	56·4	68·0	4·4	2·3	·404	·395	76	86	SW 1	Calm 0	9	8	·070	Cloudy, with ● showers.
4	·76	·63	59·8	57·5	49·9	64·7	4·8	2·4	·371	·402	72	85	SW 1	Calm 0	9	9	·025	Dull and cloudy.
5	·46	·45	59·5	51·8	50·7	64·9	4·6	2·0	·372	·333	73	87	SW 1	WSW 1	6	2	·305	Cloudy a. Dull, with ● 9 showers p.
6	·47	·62	59·7	56·2	50·2	64·6	4·1	4·0	·388	·342	76	75	W 2	W 1	9	9	·090	Cloudy, with ● 0 showers.
7	·80	·89	60·3	55·0	50·9	67·7	4·9	1·6	·376	·386	72	89	W 1	Calm 0	8	7	·005	Cloudy day. Distant T 5.30p.
8	·89	·71	58·6	55·3	50·6	64·8	4·0	0·7	·375	·417	76	95	Calm 0	Calm 0	6	10	·115	Cloudy day. ● 9 5p.–9.30p.
9	·62	·58	59·1	53·1	53·1	63·9	2·7	1·8	·418	·354	83	87	Calm 0	Calm 0	9	1	·035	Cloudy, with ● 0 showers.
10	·47	·33	60·5	54·4	48·9	60·8	6·7	1·1	·334	·392	63	93	Calm 0	Calm 0	5	8	1·695	Bright a. Continuous ● 2 from 1p.
11	·44	·56	54·9	52·3	50·6	65·8	1·3	0·8	·394	·371	92	95	Calm 0	Calm 0	8	10	·300	● 2 till 7a.
12	·72	·86	58·0	54·9	51·2	67·4	3·2	3·0	·388	·349	80	80	Calm 0	Calm 0	7	9	·005	Cloudy day.
13	·90	·85	58·6	50·6	47·7	63·8	5·1	1·5	·348	·330	71	90	WNW 1	Calm 0	6	4	·365	Cloudy day.
14	·53	·62	61·1	57·5	50·2	65·0	2·4	2·4	·460	·402	85	85	SW 2	W 1	8	7	·005	Dull and cloudy.
15	·62	·76	62·7	58·6	54·7	68·4	3·2	2·7	·463	·410	81	83	W 2	Calm 0	10	9	—	Beautiful day.
16	·73	·40	62·6	60·4	55·1	68·3	4·9	1·1	·412	·489	73	94	SSW 1	WSW 1	5	10	·350	Cloudy day. ● 2 8.40p.–9.45p.
17	·54	·65	58·5	53·8	52·6	63·8	5·8	3·4	·330	·322	67	77	WSW 2	SW 1	2	2	·220	Bright a. ● 2 showers p.
18	·70	·66	54·4	56·9	51·9	61·8	1·1	2·6	·392	·386	93	84	W 1	Calm 0	10	10	·060	Dull and cloudy.
19	·47	·10	56·7	56·7	51·8	58·2	2·1	0·5	·398	·444	87	96	Calm 0	Calm 0	10	10	1·910	Dull day. Continuous ● 2 from 8.30a.
20	·22	·36	56·5	51·3	50·9	62·2	3·5	2·7	·358	·310	78	82	W 2	Calm 0	7	1	·080	● till 4a. ● showers a. Bright p.
21	·06	·12	56·1	51·3	43·8	61·6	1·1	1·4	·418	·342	92	90	Calm 0	NW 1	10	10	·850	Dull a. ● showers.
22	·42	·73	53·2	51·8	48·2	60·6	2·4	3·4	·340	·300	84	77	W 1	W 1	10	3	·050	Dull, with ● a. Cloudy p.
23	·79	·73	55·5	51·9	46·8	60·8	4·7	1·4	·316	·349	71	91	W 1	WSW 1	9	10	·130	Cloudy, with ● 0 showers.
24	·68	·72	54·8	49·5	48·2	60·6	3·3	2·1	·340	·302	79	86	W 1	Calm 0	5	2	·040	Cloudy, with ● 0 showers.
25	·77	29·87	55·2	49·8	42·7	62·0	3·1	2·6	·350	·293	81	82	W 1	Calm 0	4	2	—	
26	29·97	30·02	55·2	54·4	45·2	60·8	3·5	1·6	·340	·378	78	90	Calm 0	Calm 0	8	9	·005	Cloudy day.
27	30·04	29·94	56·9	55·6	51·6	58·7	3·8	3·3	·355	·352	77	79	SW 1	SW 1	9	10	—	
28	29·84	·84	59·1	58·1	53·6	68·5	4·5	2·6	·369	·406	73	83	SW 2	SSW 1	7	7	—	Beautiful day from 9a.
29	·90	29·92	59·3	55·8	54·8	67·0	3·5	1·4	·399	·405	79	91	SW 1	Calm 0	9	1	·010	Dull a. Cloudy p.
30	29·96	30·04	61·4	52·2	52·0	65·8	3·6	0·5	·429	·377	79	97	Calm 0	Calm 0	8	1	—	Cloudy day. ≋ 0 p.
31	30·08	30·06	57·0	49·1	40·0	65·4	1·7	0·6	·414	·334	89	96	Calm 0	Calm 0	8	1	—	Beautiful day from 10a. ≋ 0 p.
Mean	29·667	29·675	58·7	54·5	50·2	64·4	3·9	2·0	·383	·370	77·5	86·8		0·9		0·4	7·6	6·2	6·485

PARSONSTOWN (BIRR CASTLE).—AUGUST 1889.

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

1	29·72	29·63	62·7	56·6	49·1	68·7	4·4	2·2	·427	·394	75	85	S 1	Calm 0	9	1	·052	Warm, with ● showers.
2	·62	·45	62·0	55·4	53·8	65·8	4·1	0·7	·424	·419	77	96	SW 2	SSE 4	10	10	·174	Warm, with ● showers a. ● from 6p.
3	·41	·69	61·4	53·5	52·9	65·1	2·3	2·2	·467	·348	87	85	SW 2	Calm 0	10	2	·012	Mild, with ● showers.
4	·73	·58	59·9	56·1	49·8	65·7	3·8	1·2	·399	·415	78	91	Calm 0	Calm 0	10	10	·034	Dull day. ● in evening.
5	·44	·53	57·9	53·2	49·7	62·3	2·0	1·5	·420	·363	87	90	SW 1	SW 2	10	9	·076	● showers. ≋ 0 (mist) 9p.
6	·53	·67	57·8	52·6	50·8	64·3	3·2	1·7	·386	·350	81	88	W 2	Calm 0	8	3	—	
7	·80	·90	58·1	55·1	49·4	65·9	3·3	2·0	·387	·377	79	87	Calm 0	Calm 0	6	5	—	Fine and bright. ≋ 0 (mist) 9p.
8	·85	·63	58·3	56·7	46·7	59·7	4·0	0·9	·371	·433	76	95	Calm 0	SW 3	10	10	·186	Dull day. ● from 3p.
9	·60	·59	58·4	53·6	53·1	62·9	2·5	1·5	·413	·369	84	90	SW 1	Calm 0	10	10	·046	● showers. T 1p. ∞ p. [T 3p.
10	·41	·34	53·7	52·5	47·8	61·7	1·5	0·6	·370	·378	89	95	Calm 0	Calm 0	10	10	·274	≋ 0 (mist) a. and p. ● 2 showers.
11	·45	·57	56·3	54·9	45·7	66·3	1·7	0·8	·404	·408	89	95	Calm 0	Calm 0	9	9	·149	● p. ☾ 3.45p. ≋ 0 (mist) 9p.
12	·74	·88	57·2	52·6	51·2	64·3	3·3	1·6	·372	·353	79	89	NNW 1	Calm 0	9	10	—	Fine and warm. ≋ 0 (mist) 9p.
13	·92	·84	58·6	55·3	44·1	64·7	4·7	2·2	·358	·375	73	86	W 1	Calm 0	8	9	·580	≋ n. Fine, with fresh breeze.
14	·52	·65	60·5	56·6	53·9	67·7	0·8	1·8	·500	·405	95	88	SW 1	SW 1	10	10	·028	≋ 0 (mist) a. Very close. Fair p.
15	·66	·75	60·6	57·8	54·6	66·6	2·5	1·4	·448	·436	85	91	WSW 2	Calm 0	10	8	—	Fine and bright. ∞ p.
16	·68	·58	61·4	59·6	54·3	65·9	3·5	1·1	·432	·476	80	93	Calm 0	SW 2	10	10	·369	∞. Close and windy, with ● showers.
17	·55	·63	57·7	55·5	50·6	63·4	3·8	1·9	·368	·387	77	88	SW 2	SW 2	7	10	·065	● showers a. Fair afternoon.
18	·67	·62	55·8	54·9	51·9	60·9	0·9	0·6	·420	·414	94	96	Calm 0	Calm 0	10	10	·138	Mild, with ● 2 showers. ≋ 0 (mist) 9p.
19	·43	·12	55·0	52·4	50·8	55·9	1·0	0·4	·403	·382	93	97	Calm 0	NW 2	10	10	2·250	● 2 all day.
20	29·30	·36	55·7	53·5	49·8	61·9	3·7	1·6	·343	·364	77	89	NW 1	Calm 0	6	4	·470	Fine and bright. Cloudy afternoon.
21	28·96	·18	54·1	52·5	49·2	63·9	1·2	1·5	·384	·344	91	89	Calm 0	NW 2	10	8	·020	● 2 a.
22	29·46	·76	54·0	51·6	47·6	59·7	2·5	2·3	·347	·323	83	84	NW 2	NW 1	10	10	·020	Cool, with ● showers.
23	·81	·75	56·1	52·6	47·2	58·9	3·8	0·8	·347	·375	76	95	W 2	W 2	9	10	·080	Cool, with ● showers.
24	·70	·73	56·5	49·6	48·0	60·8	3·7	1·7	·353	·313	77	88	WNW 1	NNE 1	6	7	—	Cool.
25	·79	29·88	55·5	50·6	40·7	63·4	3·6	1·7	·343	·326	77	88	NW 1	Calm 0	7	5	—	Fine, but cool.
26	29·97	30·02	55·3	53·0	46·8	59·7	4·4	2·2	·321	·342	73	85	WNW 1	SW 2	9	9	—	Day fair. ≋ 0 (mist) in afternoon.
27	30·01	29·92	55·0	55·6	51·4	60·5	2·3	3·8	·367	·339	85	77	SW 1	S 2	10	10	—	≋ 0 (mist) 9a. Dull day.
28	29·81	·82	59·9	58·0	50·8	67·0	4·2	2·2	·389	·415	75	86	SW 2	S 3	6	10	—	Mild, with fresh breeze.
29	·85	29·89	59·7	56·5	51·0	62·7	3·2	2·7	·414	·379	81	83	SW 1	Calm 0	10	7	—	Dull and mild, with ∞.
30	29·94	30·01	58·4	51·7	51·7	62·7	1·5	0·9	·442	·360	92	94	Calm 0	Calm 0	10	0	—	Fair afternoon. ≋ 0 9p.
31	30·05	30·04	50·0	52·9	43·8	66·7	0·3	2·0	·353	·346	98	87	Calm 0	Calm 0	10	5	—	≋ n. ∞ a. Fine afternoon.
Mean	29·657	29·669	57·5	54·3	49·6	63·4	2·8	1·6	·393	·378	82·6	89·4		0·9		0·9	9·0	7·8	5·023

SWANBISTER.—SEPTEMBER 1889.

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. Gravity correction, + ·036.

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·15	30·17	55·0	48·0	47·4	59·1	1·8	0·4	·381	·325	88	97	Calm 0	SE 1	10	2	—	
2	·13	·06	53·6	53·3	47·2	56·4	1·7	0·5	·363	·393	88	97	SE 4	SE 4	9	5	—	
3	·00	·01	53·4	53·0	52·3	58·6	1·4	0·2	·398	·397	91	99	SSE 4	SE 1	8	4	—	∞ all day.
4	·06	·16	56·8	53·0	52·1	61·8	1·9	1·0	·405	·374	87	93	WSW 1	WNW 1	10	7	—	
5	·17	·20	53·8	52·5	51·0	57·1	0·0	0·2	·415	·390	100	99	SSE 1	SE 1	10	0	—	≋ a. ☾² p.
6	·24	·26	56·7	52·6	46·7	59·1	0·9	0·0	·423	·397	94	100	SE 1	ESE 1	2	0	·010	≋ p.
7	·25	30·19	55·2	54·7	51·3	57·1	0·6	0·2	·418	·423	96	99	SE 3	SE 4	7	8	—	≋
8	30·12	29·95	56·8	54·5	53·4	58·1	0·8	0·0	·437	·426	94	100	SE 4	SE 4	7	10	—	
9	29·77	·86	55·6	52·0	51·4	61·1	0·5	1·9	·428	·338	97	87	SSE 3	SW 1	10	4	·010	☾ 10.30p.
10	·89	·93	55·5	53·5	48·9	58·3	1·9	0·0	·387	·411	88	100	SW 1	S 1	10	10	·900	● ² 9p.
11	29·87	29·97	58·5	53·9	52·6	58·5	0·0	0·9	·491	·390	100	94	NW 1	NNW 1	10	10	·010	≋⁰ all day.
12	30·14	30·17	53·0	50·9	48·3	56·1	1·0	2·9	·374	·300	93	81	ENE 1	ESE 2	10	9	·010	Overcast all day. ☾
13	·13	·30	52·3	47·4	47·0	54·1	3·9	2·6	·293	·266	75	82	E 3	ENE 1	10	10	—	Overcast all day.
14	·37	·39	50·3	48·0	44·0	52·1	4·3	3·4	·262	·255	72	77	N 1	N 1	10	10	—	Overcast all day.
15	·41	·37	51·0	47·8	46·0	54·1	4·6	2·3	·263	·277	70	84	ESE 1	S 2	8	8	—	Overcast all day.
16	30·23	30·06	53·0	51·8	43·0	56·1	1·8	1·8	·352	·238	87	87	S 2	S 1	2	7	—	
17	29·90	29·88	53·0	54·5	49·0	58·1	2·2	1·9	·342	·371	85	88	SSW 3	SSW 3	7	6	—	
18	·75	·50	53·0	52·0	50·0	55·1	1·8	1·2	·352	·356	87	92	SW 3	SW 3	7	8	·300	
19	·22	·18	45·0	44·5	44·0	52·1	4·0	3·0	·214	·229	72	78	W 3	NW 3	7	8	·270	▲ showers.
20	·25	·33	47·0	43·3	41·1	49·1	4·4	2·8	·225	·222	71	79	NW 4	NW 3	3	5	·280	
21	·31	·35	41·8	44·0	39·4	47·1	1·6	3·0	·231	·224	88	77	NW 4	NNW 3	5	5	·340	▲ showers.
22	·41	·50	47·7	45·7	41·0	49·4	3·6	1·3	·248	·277	76	91	NW 5	NW 5	5	5	·340	
23	·60	·65	43·0	37·0	36·4	46·1	1·0	2·0	·255	·182	92	83	N 1	N 1	10	2	·230	🌧 9p.
24	·61	·64	46·3	39·5	34·0	48·1	2·9	1·5	·249	·213	80	88	NW 1	N 2	2	2	·050	
25	·74	·89	46·0	40·2	38·8	49·1	2·8	2·2	·248	·205	80	83	NNW 6	NNW 2	5	1	·020	
26	·75	·58	46·2	53·8	34·8	53·8	2·4	1·8	·259	·363	84	87	SSE 3	W 5	10	10	·280	
27	·59	·49	53·6	48·0	47·0	54·0	3·1	1·2	·327	·304	79	92	W 4	WNW 3	9	8	·140	● ² showers 9p.
28	·43	·66	48·8	46·2	45·2	49·1	1·6	2·2	·305	·263	88	85	NW 7	NNW 5	10	10	·060	● showers all day.
29	·79	·59	46·0	49·1	44·3	49·1	2·0	0·4	·265	·339	86	97	NNW 5	NW 3	10	4	·090	
30	29·75	29·97	46·0	45·0	42·5	49·5	1·2	0·6	·283	·285	92	95	NNW 4	N 3	9	3	·010	● ⁰ showers.
Mean	29·867	29·875	51·2	49·0	45·7	54·2	2·1	1·4	·330	·318	86·0	89·7	2·8	2·4	7·7	6·0	3·350	

DUNROBIN CASTLE.—SEPTEMBER 1889.

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

1	30·21	30·20	57·5	54·5	49·6	60·9	3·5	2·8	·372	·347	78	81	W	NW	—	—	—	Fine a. Dull p.
2	·09	·10	54·5	57·3	52·1	58·4	2·5	2·8	·354	·388	83	82	NE	E	—	—	—	Fine a. Dull p.
3	·05	·10	58·2	55·5	50·6	62·6	5·2	1·5	·340	·397	70	90	SE	SE	—	—	—	Fine and clear a. Dull p.
4	·14	·21	58·4	54·5	50·6	58·4	2·1	1·8	·424	·376	87	89	SE	N	—	—	—	Dull day.
5	·23	·25	54·5	55·0	49·6	61·6	1·2	1·5	·390	·389	92	90	N	NE	—	—	—	≋⁰ (mist) a. Clear p.
6	·28	·28	60·4	56·0	50·3	63·0	2·9	1·5	·433	·405	83	90	SE	E	—	—	—	≋⁰ (mist) a. Fine p.
7	·29	30·19	55·0	56·7	50·4	60·6	1·5	2·2	·389	·395	90	86	NE	E	—	—	—	≋⁰ (mist) a. Breezy. Dull p.
8	30·07	29·99	58·4	56·7	55·8	60·9	3·4	1·4	·388	·418	79	91	SE	E	—	—	·070	Clear a. Windy p.
9	29·82	·93	61·4	55·7	55·7	65·9	3·9	4·4	·421	·326	78	73	W	NE	—	—	—	Fine and clear a. Windy p.
10	·98	29·98	55·5	57·5	50·6	65·6	2·2	2·0	·378	·414	86	87	S	S	—	—	·460	Dull, with ●
11	29·95	30·03	59·4	53·5	52·6	62·6	1·1	1·2	·471	·377	94	91	S	S	—	—	—	Cloudy a. Dull p.
12	30·21	·19	56·0	54·5	47·8	58·0	2·5	2·2	·378	·362	84	85	SW	SE	—	—	—	Fine a. Dull p.
13	·14	·34	54·5	52·3	50·6	56·3	1·0	2·8	·396	·320	94	81	NE	NE	—	—	·160	Dull a. Cold p. ●
14	·42	·43	52·0	45·6	45·6	54·5	4·7	1·3	·272	·276	71	90	E	E	—	—	—	Dull and cloudy a. Clear p.
15	·47	·40	50·7	49·2	44·5	55·5	4·3	2·9	·266	·281	72	80	S	NE	—	—	—	Dull a. Clear p.
16	30·32	·16	54·0	54·7	43·9	60·9	3·5	3·4	·322	·336	77	78	E	E	—	—	—	Fine and clear a. Cold p.
17	29·97	30·00	57·5	57·0	48·6	60·2	4·0	2·7	·359	·385	76	83	W	W	—	—	—	Fine, sunny, and clear.
18	·87	29·64	55·5	51·5	51·4	57·6	2·2	1·8	·378	·334	86	88	NW	NW	—	—	·150	Dull and cloudy.
19	·38	·34	49·3	43·4	43·2	54·5	2·0	0·9	·301	·262	86	93	NW	NW	—	—	·300	Clear and cold a. ● p.
20	·41	·50	43·4	40·4	39·7	51·5	0·4	1·2	·272	·226	97	91	NW	NW	—	—	·120	Cold, with ● showers.
21	·48	·51	45·4	38·4	35·6	49·0	0·7	1·0	·288	·212	96	92	N	N	—	—	—	Fine, sunny, and clear.
22	·59	·70	47·7	40·4	35·6	53·3	0·4	0·9	·321	·233	97	93	N	N	—	—	—	Clear and cold.
23	·69	·76	46·4	39·4	39·4	50·5	2·7	1·0	·255	·222	82	92	NE	NE	—	—	—	Dull and cloudy.
24	·74	·75	46·4	38·9	36·1	50·5	5·4	3·5	·203	·172	65	73	NW	NE	—	—	·140	Fine, sunny, and clear.
25	·89	·96	49·5	39·6	35·8	53·0	5·5	2·7	·230	·192	65	78	NW	W	—	—	—	Clear and windy.
26	·83	·72	44·4	54·7	35·5	54·7	1·1	4·0	·267	·321	91	75	W	W	—	—	·120	Dull, with ●.
27	·73	·65	53·3	49·3	48·6	58·4	1·8	1·3	·357	·318	88	91	W	W	—	—	·300	Dull, with ● showers.
28	·63	·88	49·0	46·2	45·7	55·7	2·7	3·7	·283	·233	81	75	NW	NW	—	—	—	Dull day.
29	·91	29·75	50·5	50·7	43·4	53·0	5·5	0·7	·240	·352	65	95	NW	SW	—	—	—	Dull day.
30	29·83	30·13	50·3	45·9	45·2	51·5	4·8	2·6	·252	·252	69	82	NE	NW	—	—	·050	Fine a. Dull p.
Mean	29·954	29·969	53·0	50·2	46·1	57·4	2·8	2·1	·333	·317	82·1	85·5	—	—	—	—	1·870	

BRAEMAR.—SEPTEMBER 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·01	29·01	50.5	52·5	36·4	60·7	2·7	1·6	·299	·351	82	89	SW 0·5	SW 0·5	0	3	—	Fine day.
2	28·97	28·90	46·4	49·5	36·8	57·5	0·9	2·6	·294	·290	94	82	SW 0·5	SW 0·5	7	3	—	Fine day.
3	·90	28·93	51·1	56·9	40·3	63·7	2·6	2·2	·310	·398	82	86	SW 0·5	SW 0·5	7	4	—	Fine day.
4	28·96	29·02	55·3	57·8	48·9	66·5	1·6	2·1	·392	·415	89	86	S 0·5	S 0·5	4	8	—	Fine day.
5	29·04	·11	52·2	53·5	45·6	67·5	0·9	1·3	·366	·373	94	91	S 0·5	S 0·5	10	7	—	≋⁰ (mist) 9a. Fine day.
6	·10	·13	55·5	51·7	45·7	69·5	2·0	2·0	·384	·332	87	86	S 2	SW 0·5	4	0	—	Fine day.
7	29·10	29·03	48·8	54·5	37·5	61·5	3·0	2·0	·275	·368	79	87	SW 0·5	SE 0·5	0	8	—	Fine day. Dull 8p.
8	28·96	28·84	54·5	54·3	46·5	59·8	4·0	1·8	·318	·371	75	88	SE 0·5	SE 0·5	6	8	—	
9	·70	·81	57·1	50·8	50·8	63·3	3·6	2·8	·363	·301	78	81	SW 4	SW 0·5	7	7	·020	● ⁰ showers.
10	·81	·85	55·2	60·4	50·8	63·9	2·7	3·6	·360	·412	83	79	SW 0·5	SW 0·5	8	8	—	
11	·80	28·85	59·6	58·4	54·4	65·2	3·1	3·6	·415	·383	81	78	SW 0·5	SW 0·5	8	8	—	
12	·99	29·01	54·7	54·2	52·8	60·5	1·3	2·0	·391	·364	91	86	SW 0·5	SW 0·5	10	8	—	≋⁰ (mist) 9a.
13	28·93	·10	54·0	48·5	47·2	59·9	0·5	1·0	·403	·313	97	94	SW 0·5	NE 0·5	10	10	·040	≋⁰ (mist) 9a. Dull and damp.
14	29·17	·21	46·4	45·2	45·1	55·2	0·6	1·4	·301	·269	96	90	NE 1	NE 0·5	10	7	—	≋⁰ (mist) 9a. Dull a. Clear 8p.
15	·21	29·18	45·3	46·6	42·6	56·9	2·4	1·1	·249	·292	82	93	E 0·5	SE 0·5	8	5	—	Dull a. Fine p.
16	29·09	28·95	49·7	52·0	40·3	59·3	5·0	3·5	·243	·299	63	77	SE 0·5	SW 2	3	7	—	Dull a. Fine p.
17	28·84	·86	56·8	45·0	44·0	56·8	2·8	2·5	·380	·243	82	82	SW 4	SW 1	8	4	—	
18	·70	·55	54·6	47·5	42·7	55·5	3·1	0·6	·342	·315	80	96	SW 6	SW 6	8	10	·270	Stormy and dark. ● 8p.
19	·23	·25	46·7	39·8	38·3	49·8	2·9	2·3	·253	·201	80	82	SW 2	SW 2	9	2	—	Stormy, dark and cold.
20	·25	·32	41·6	38·6	38·5	49·5	2·1	2·6	·220	·185	84	79	SW 0·5	NW 2	8	0	·090	● showers. Snow on hills.
21	·32	·33	40·3	36·9	35·6	45·8	2·8	2·2	·195	·179	78	82	NW 2	NW 1	5	2	·060	✕ showers.
22	·37	·54	39·6	39·0	33·4	47·7	2·9	3·0	·189	·181	77	77	NW 2	NW 2	5	3	·020	● showers.
23	·52	·54	42·0	38·4	33·0	52·1	4·3	1·2	·185	·208	70	90	NW 2	W 0·5	6	4	—	Fine and clear.
24	·51	·48	36·5	34·9	30·4	46·7	1·6	0·4	·186	·195	86	96	NW 0·5	NW 0·5	7	3	·150	● showers p. Snow on hills.
25	·72	·80	40·6	36·7	34·8	48·5	3·4	2·0	·188	·181	74	83	NW 4	NW 0·5	6	0	·130	Fine, but cold. Snow on hills.
26	·67	·59	41·6	51·5	36·2	57·2	0·9	3·0	·244	·305	93	80	NW 0·5	SW 1	10	4	·040	● a.
27	·60	·53	53·0	47·5	36·7	55·3	3·7	2·9	·306	·261	76	80	SW 2	SW 2	7	5	·140	Fine a. ● showers p.
28	·46	·63	45·1	42·4	42·3	49·5	2·8	1·9	·238	·231	80	86	NW 2	NW 2	8	10	·130	↗² (hurricane) 2p.—6p.
29	·70	·59	41·9	45·9	37·6	49·5	2·9	2·4	·208	·256	79	84	NE 1	W 2	8	9	·020	
30	28·61	28·71	42·6	42·6	41·9	48·5	2·3	1·9	·225	·233	83	85	N 1	SW 0·5	9	4	·020	● ⁰ showers.
Mean	28·775	28·787	48·6	47·8	41·6	56·8	2·5	2·1	·291	·290	82·7	85·2	1·4	1·1	6·9	5·4	1·130	

LAUDALE.—SEPTEMBER 1889.

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

1	30·22	30·16	57·2	50·3	49·7	59·3	2·1	0·6	·406	·349	87	96	Calm 0	Calm 0	10	2	—	Fine all day. ⊕
2	·07	·02	59·9	57·8	50·0	64·3	4·2	4·0	·388	·364	76	76	E 4	Calm 0	4	10	—	∞² a. and p. ⊕ (parhelion) 5.45p.
3	·01	·07	59·9	60·7	56·5	63·3	4·0	2·5	·393	·449	77	85	E 3	E 2	7	10	—	∞² all day.
4	·14	·20	59·3	58·0	57·0	62·4	0·9	0·8	·476	·457	94	94	Calm 0	Calm 0	10	10	·030	∞ a. ● ⁰ ≋⁰ (mist) all day.
5	·22	·25	59·4	59·8	56·9	65·4	1·8	2·4	·449	·438	90	85	Calm 0	Calm 0	10	8	—	∞² all day.
6	·26	·26	62·3	58·9	56·7	69·9	3·6	1·6	·443	·447	80	91	E 2	Calm 0	8	10	—	∞² all day.
7	·22	30·12	59·0	58·8	53·3	69·4	4·3	1·9	·372	·436	75	88	Calm 0	E 2	9	2	—	Fine and bright all day. ∞
8	30·03	29·92	59·2	57·0	56·8	64·4	2·3	1·0	·430	·434	86	93	SE 5	SW 3	6	10	·390	↗ till 8p. ● from 6p.
9	29·93	·97	56·9	54·9	54·9	64·0	2·5	0·5	·389	·417	84	97	SW 1	Calm 0	7	7	·020	● ² a. Fine from 9a.
10	·98	29·97	60·7	62·4	53·7	66·1	2·4	3·5	·453	·448	86	80	SSW 3	N 3	10	7	·150	
11	29·97	30·02	58·3	56·9	56·4	63·0	0·5	1·5	·472	·418	97	90	Calm 0	Calm 0	10	10	·010	● ⁰ a. Dull all day.
12	30·15	·14	56·5	62·3	55·0	66·9	1·3	4·5	·418	·417	91	75	Calm 0	ESE 3	10	4	—	Fine all day. Much cir. cloud.
13	·14	·27	58·0	56·0	56·0	64·4	1·4	0·4	·439	·437	91	97	W 2	SW 2	10	10	·070	● ⁰ all day.
14	·36	·39	56·8	55·0	54·3	59·0	1·0	1·0	·431	·403	93	93	Calm 0	SE 1	10	8	—	≋⁰ (mist) all day.
15	·42	·40	53·5	53·8	45·7	62·2	2·5	3·0	·341	·332	83	80	SE 2	SSE 2	4	2	—	
16	30·24	·12	53·4	56·3	49·9	57·4	3·9	3·3	·306	·361	75	79	S 5	S 4	10	8	—	Threatening appearance all day.
17	29·96	30·02	56·4	54·9	54·3	57·0	2·2	1·9	·391	·376	86	88	S 3	W 2	10	10	·110	
18	·94	29·72	56·2	54·0	51·9	57·2	2·0	2·4	·394	·350	87	84	W 2	W 3	10	10	·970	● ² from 4p.
19	·48	·42	50·2	55·4	44·0	58·0	2·7	1·6	·296	·393	82	90	NW 3	NNW 3	7	10	·310	● ² ▲ ² showers.
20	·42	·56	48·0	54·0	41·3	56·5	4·2	1·7	·239	·368	72	88	N 2	N 2	5	8	·310	● ² ▲ ² showers. Snow on the hills.
21	·52	·54	45·0	40·8	38·0	56·9	2·8	1·6	·237	·221	79	83	N 1	NW 2	10	1	·120	● ² ▲ ² showers. Very cold.
22	·63	·77	47·1	42·2	33·3	51·1	1·9	1·7	·279	·233	86	87	N 3	Calm 0	6	2	·060	Bright all day. Air sharp and cold.
23	·75	·70	44·0	39·5	38·9	62·3	2·2	2·6	·240	·192	83	79	Calm 0	Calm 0	9	2	—	Bright all day.
24	·74	29·73	42·3	40·4	33·6	49·2	1·8	2·4	·232	·203	87	81	Calm 0	N 2	1	2	·070	☾ a. Cloudy from 1p. ● ▲ [showers.
25	·95	30·02	46·7	42·0	33·9	52·9	2·9	1·0	·253	·245	80	92	N 2	Calm 0	5	7	·070	☾ a. Fine all day.
26	·84	29·86	50·4	54·0	41·3	58·8	1·0	1·6	·340	·371	93	89	W 1	WNW 2	10	10	·600	↗ ●
27	·78	·77	55·0	52·0	51·8	56·3	1·8	1·8	·381	·340	88	87	NW 2	W 2	7	10	·220	● ² showers all day.
28	·77	·91	49·7	47·9	47·0	54·1	1·8	3·7	·311	·248	87	75	NNW 5	N 6	7	6	·120	↗ all day.
29	·95	29·80	49·0	51·9	45·9	56·0	3·9	1·2	·257	·354	74	92	N 3	NW 2	8	10	·070	
30	29·84	30·03	52·1	45·8	45·4	54·5	3·7	1·1	·295	·282	76	92	N 5	E 1	6	2	—	
Mean	29·964	29·971	54·1	53·1	48·8	60·1	2·5	2·0	·358	·359	84·2	87·0	2·0	1·6	7·9	6·9	3·700	

DUNDEE.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·07	30·05	59·7	52·5	46·0	65·6	3·2	0·7	·414	·376	81	95	SW 1	SE 1	5	10	—	Fine day.
2	30·01	29·96	54·4	54·8	42·2	59·9	1·1	1·1	·392	·399	93	93	SE 1	SE 2	10	10	—	Dull day.
3	29·94	29·96	56·0	55·5	54·1	61·8	1·0	0·7	·419	·421	93	96	SE 1	SE 1	10	10	—	Dull day.
4	30·01	30·07	54·5	53·4	51·8	66·3	0·8	0·6	·402	·391	95	96	SE 1	NE 1	10	10	—	Dull day. ≋
5	·11	·15	54·6	53·7	50·0	57·0	1·4	0·8	·386	·390	90	94	SE 1	SE 1	10	10	—	Dull day. ≋
6	·18	·17	55·0	51·1	50·7	57·7	1·6	0·5	·386	·363	89	96	E 1	NE 1	10	10	—	Dull day. ≋
7	30·13	30·04	55·4	56·7	47·6	62·7	1·7	0·7	·391	·438	89	95	SE 1	SE 1	10	10	·010	Dull day. ● 0 from 7.30p.
8	29·99	29·85	58·7	55·5	53·1	61·5	1·7	0·9	·440	·415	89	94	S 2	SE 2	5	10	·020	Dull day.
9	·74	·83	60·0	53·8	53·8	67·6	2·2	1·4	·447	·375	87	90	S 1	W 1	10	0	·020	● at night.
10	·87	·87	58·4	61·1	52·6	68·5	1·2	2·1	·451	·469	92	87	S 1	W 1	10	10	·020	Dull day. ● 0 at night.
11	29·81	29·87	59·5	60·2	56·1	66·5	1·1	0·8	·473	·495	93	95	W 1	W 1	10	10	·010	● n, 6a.—7.30a. and from 5.30p.
12	30·04	30·04	55·4	54·5	54·2	61·6	0·9	0·6	·413	·408	95	96	SE 1	SE 1	10	10	—	Dull day.
13	29·96	·16	57·3	50·6	50·1	61·5	1·8	0·4	·416	·359	88	97	W 1	E 1	10	10	·110	Dull day. ● from 1p.
14	30·23	·27	50·9	48·5	48·2	54·0	1·5	2·4	·335	·282	90	83	E 1	E 1	10	10	—	
15	·31	·25	50·0	50·1	48·8	57·1	3·9	1·3	·267	·328	75	91	NW 1	NW 1	10	10	—	Dull day.
16	30·19	30·03	56·0	52·3	47·5	62·8	4·4	1·9	·331	·341	73	87	SW 1	SW 1	0	10	—	Dull from 1p.
17	29·90	29·89	55·4	51·3	49·1	59·1	2·7	2·5	·363	·315	83	83	S 2	SW 2	10	10	—	Dull day.
18	·82	·56	55·4	54·2	46·3	58·1	3·7	2·1	·339	·361	77	86	W 4	W 2	10	10	·250	Dull day.
19	·28	·22	52·8	43·9	43·2	56·1	3·7	2·6	·304	·231	76	80	W 4	W 2	5	0	·010	● 11.30a. ⸝ (gale) 11a.—5p.
20	·26	·33	47·6	41·4	38·6	55·6	4·1	2·9	·238	·203	72	79	NW 2	N 2	5	5	—	
21	·32	·31	45·0	38·3	36·0	51·9	4·5	1·9	·206	·194	69	84	NW 1	NW 2	5	5	·030	Cloudy. ● showers 2p.—3p.
22	·40	·51	43·0	42·0	34·6	53·3	3·5	3·5	·206	·199	75	75	NW 2	W 2	0	0	—	Fine day.
23	·56	·52	44·4	44·2	38·5	54·2	3·9	2·7	·212	·232	72	80	NW 1	NE 1	5	5	—	Fine day.
24	·53	·46	43·4	39·8	34.2	49·6	3·4	1·9	·211	·208	75	85	NW 1	NW 2	10	10	·010	Dull day. ● 0 showers.
25	·64	·81	47·5	42·0	37·1	53·3	5·7	4·3	·207	·185	64	70	NW 10	NW 1	0	10	·050	Fine day. ⸝ (gale at times) 7a.—3p.
26	·75	·63	42·8	55·1	36·9	59·6	1·1	2·4	·251	·366	92	84	SW 1	SW 1	10	10	·020	● 6.30a.—9.30a. Dull day.
27	·62	·55	53·1	50·4	49·8	57·7	2·0	3·2	·349	·287	86	79	SW 1	SW 2	10	10	·040	Dull day. ● showers 1p.—6p.
28	·49	·62	50·9	46·6	43·0	56·1	4·8	4·1	·258	·228	70	72	NW 2	NW 2	7	10	—	⸝ 11a.—4p.
29	·68	·59	48·0	48·0	46·5	53·5	3·8	3·4	·247	·255	74	77	NW 1	NW 1	5	10	·010	Dull day.
30	29·61	29·84	46·4	42·9	42·3	53·7	2·0	1·4	·269	·246	86	89	N 4	NE 1	5	10	—	
Mean	29·814	29·813	52·4	50·1	46·0	58·8	2·6	1·9	·334	·325	82·8	86·9	1·8	1·4	7·6	8·5	0·640	

GLASGOW.—SEPTEMBER 1889.

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

1	30·05	29·99	51·9	53·3	44·0	64·7	1·4	1·7	·349	·360	90	88	NE 1	E 2	7	10	—	Fine day.
2	29·94	·86	57·1	54·3	52·4	62·5	2·9	1·7	·381	·373	82	88	E 2	ENE 1	10	7	·010	Fine day.
3	29·86	29·91	56·2	59·4	52·9	62·5	1·5	1·9	·407	·446	90	89	ENE 1	ENE 1	10	10	—	Overcast day.
4	30·00	30·03	54·4	56·2	52·9	65·2	0·8	1·6	·400	·404	94	89	ENE 1	NE 1	10	8	—	
5	·08	·11	52·9	55·3	49·1	61·5	0·7	1·3	·381	·399	95	91	ENE 1	ESE 1	10	10	—	Overcast all day.
6	·15	30·12	53·9	54·0	52·7	62·0	0·5	1·2	·401	·382	97	92	ENE 1	NE 1	10	6	—	Fine day.
7	30·07	29·97	52·1	55·8	48·3	60·5	1·0	1·3	·362	·407	93	92	E 1	E 4	10	6	—	Fine and sunny.
8	29·90	·79	57·9	58·7	50·4	65·9	5·3	4·3	·333	·367	69	75	E 2	SSE 1	0	10	·013	Cloudy. ● 0 at night.
9	·74	·82	60·2	55·9	55·9	63·6	3·7	1·7	·407	·397	78	89	SW 2	SW 1	10	6	·025	Cloudy, with ● 0.
10	·88	·85	60·4	58·4	54·9	68·3	2·2	2·3	·454	·418	87	85	SW 1	SW 1	10	7	·100	Cloudy, with ● 0.
11	29·81	29·82	59·1	60·1	57·2	62·7	0·5	0·5	·485	·503	97	97	SW 1	SSW 1	10	10	·090	Overcast, with ● 0.
12	30·00	30·01	58·1	54·7	54·4	61·6	2·0	1·4	·422	·386	87	90	ENE 2	E 1	10	10	·013	● 0 a. Cloudy.
13	29·98	·09	57·9	55·7	54·0	62·0	1·3	1·5	·439	·400	92	90	W 1	ENE 1	10	10	·075	● 0 a. Cloudy.
14	30·21	·24	53·9	51·8	51·4	58·5	2·3	2·2	·353	·328	85	85	ENE 2	ENE 1	10	10	—	Overcast.
15	·30	·25	51·6	47·1	47·1	56·0	3·4	1·7	·297	·283	78	88	E 1	S 1	10	0	—	Overcast, then fine.
16	30·17	30·01	48·0	53·4	41·3	60·4	1·9	3·2	·288	·323	87	79	NE 1	S 2	7	10	—	
17	29·86	29·90	55·9	49·9	49·9	58·8	3·8	1·4	·342	·323	77	91	S 3	S 1	10	0	—	Overcast, then fine.
18	·83	·57	54·2	54·0	49·6	56·2	4·3	0·8	·307	·394	73	94	SW 3	SW 5	10	10	·720	Overcast, with squally ⸝. ● 2 n.
19	·32	·27	52·1	41·9	41·9	54·7	3·4	0·8	·302	·249	78	94	SW 4	W 1	6	8	·325	Cloudy, with ● 2 showers. ▲ 0 [⌒ 0
20	·30	·36	46·9	40·2	40·2	52·0	3·3	0·9	·246	·231	78	93	WNW 2	WSW 1	5	0	—	
21	·35	·34	44·1	40·8	38·2	51·5	2·5	2·6	·235	·203	81	80	W 1	W 1	7	0	—	
22	·45	·57	44·6	39·7	33·9	52·5	3·9	1·8	·214	·208	72	86	W 1	WSW 1	4	0	—	Fine day.
23	·58	·49	44·6	44·0	37·0	52·4	3·1	2·1	·228	·241	77	83	WSW 2	NNE 1	7	9	—	Fine day.
24	·52	·48	43·2	41·6	35·8	49·5	3·3	4·3	·212	·181	76	69	NNW 1	NW 2	7	2	—	Fine day.
25	·74	·85	45·9	40·9	36·3	52·6	5·8	1·7	·192	·221	62	86	NW 1	W 1	4	0	·150	Fine day.
26	·72	·71	46·9	52·4	39·9	57·5	0·1	1·3	·319	·358	99	91	SW 1	SW 1	10	7	·210	Overcast, with ● 0.
27	·63	·59	53·9	49·9	49·9	56·1	1·0	0·8	·386	·338	93	94	WSW 1	WSW 1	10	6	·150	Cloudy, with ● 0 showers.
28	·56	·67	51·5	46·1	46·1	54·6	6·5	3·7	·232	·231	61	75	WNW 2	W 2	4	5	—	⌒
29	·73	·63	49·7	45·0	43·7	53·8	7·3	2·2	·200	·281	56	85	NW 2	SW 1	3	10	—	Fine day.
30	29·61	29·83	51·9	47·2	46·7	54·4	6·8	4·5	·231	·226	60	70	NW 1	NNW 1	6	0	—	Fine day.
Mean	29·811	29·803	52·4	50·7	46·9	58·5	2·9	1·9	·327	·329	81·5	86·6	1·5	1·4	7·9	6·2	1·881	

WOLFELEE.—SEPTEMBER 1889.

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

Day	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·58	29·55	54·0	50·0	38·4	70·2	1·9	0·9	·363	·337	87	94	N	NW	—	—	—	Fine day. ≋ 0 (mist) p.
2	·51	·45	56·0	53·0	45·4	69·2	3·9	1·4	·343	·363	76	90	SW	SW	—	—	—	Blowy a. Fine day.
3	·43	·52	58·0	50·0	50·8	65·0	2·6	2·4	·404	·300	83	84	N	NW	—	—	—	Blowy a. Fine and clear.
4	·54	·60	51·0	53·0	33·5	70·0	0·6	1·4	·358	·363	96	90	SW	SW	—	—	—	Fine and clear.
5	·64	·67	52·5	50·0	39·9	70·2	1·9	0·9	·344	·337	87	94	S	SW	—	—	—	≋ 0 (mist) a. Fine day.
6	·70	·69	48·2	53·0	37·5	71·7	0·6	0·9	·323	·377	96	94	S	SW	—	—	—	Very fine and clear.
7	·64	·55	55·5	55·0	38·3	72·2	1·4	1·4	·400	·392	91	91	SW	W	—	—	—	Fine day.
8	·39	·40	62·0	52·0	46·4	66·2	4·4	1·4	·416	·351	75	90	SE	SW	—	—	—	Dull a. Fine p.
9	·34	·42	61·5	53·0	52·0	66·5	2·4	2·4	·466	·337	86	84	SW	SW	—	—	—	Blowy a. Fine and clear.
10	·46	·46	61·0	54·0	50·3	69·2	2·4	1·4	·458	·377	86	90	SW	SW	—	—	—	Blowy a. Fine day.
11	·38	·39	60·5	59·0	52·3	64·5	1·9	0·9	·465	·470	89	95	SW	SW	—	—	·450	Dull and blowy a. ● p.
12	·56	·58	56·0	57·0	53·3	63·8	1·4	1·4	·408	·422	91	91	NE	NE	—	—	—	Dull a.
13	·50	·62	60·0	56·0	53·3	60·5	2·4	1·4	·441	·408	86	91	W	W	—	—	—	Dull day.
14	·75	·77	51·0	51·0	48·3	66·5	1·4	2·4	·338	·313	90	84	NW	W	—	—	—	Dull a. Fine p.
15	·82	·80	49·0	46·0	43·4	66·0	2·4	1·4	·289	·278	83	90	N	NE	—	—	—	Fine day.
16	·74	·58	50·0	44·0	33·0	54·3	2·9	0·9	·288	·267	81	93	NE	SW	—	—	—	Fine and clear.
17	·48	·47	52·0	42·5	38·4	61·0	2·4	0·9	·325	·252	84	93	SW	W	—	—	—	Dull a. Fine and clear.
18	29·43	29·20	50·5	52·0	37·7	63·0	1·9	1·4	·319	·351	87	90	SW	NW	—	—	·510	Fine and blowy a. Dull and blowy p.
19	28·92	28·85	50·0	41·5	44·4	60·0	1·9	1·9	·312	·223	87	86	NW	NW	—	—	—	Stormy a. Cold and blowy p.
20	·83	·88	46·5	37·5	35·0	56·0	4·4	0·8	·221	·209	71	93	NW	NW	—	—	·030	Fine and blowy a. ▲ p.
21	·90	28·89	44·0	36·0	28·5	53·8	2·9	1·2	·226	·189	78	89	NW	NW	—	—	—	Fine and clear.
22	28·97	29·11	40·0	38·5	26·0	52·8	5·4	1·4	·151	·205	61	88	NW	NW	—	—	—	Fine and clear.
23	29·13	29·04	42·0	42·0	28·0	53·8	2·4	2·4	·218	·218	82	82	W	W	—	—	—	Fine a. Dull p.
24	·02	28·97	44·0	39·0	39·4	54·8	1·4	1·4	·257	·210	89	89	NE	NE	—	—	·040	Dull day.
25	·23	29·37	41·5	34·0	27·0	49·3	4·4	2·2	·179	·152	69	78	NW	NW	—	—	—	Cold and blowy a. Clear p.
26	·30	·26	45·0	55·0	28·0	53·8	0·9	2·4	·277	·365	93	85	NW	SW	—	—	·150	Dull, with ● a. Fine and blowy p.
27	·20	·17	56·5	47·5	43·9	59·5	1·9	1·4	·401	·294	88	90	W	W	—	—	·330	● showers.
28	·07	·15	50·0	46·0	44·9	58·5	5·9	1·4	·228	·278	64	90	NW	NW	—	—	—	Fine and clear.
29	·21	·17	46·0	46·0	39·4	57·0	3·9	3·4	·227	·236	74	77	N	N	—	—	—	Blowy a. Fine day.
30	29·11	29·31	48·6	45·0	43·4	51·3	4·0	0·4	·250	·289	73	97	N	NE	—	—	·210	● showers.
Mean	29·360	29·362	51·4	48·0	40·7	61·7	2·6	1·5	·323	·305	82·8	89·1	—	—	—	—	1·720	

SCARBOROUGH.—SEPTEMBER 1889.

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

1	30·09	30·06	55·9	54·6	52·8	58·0	0·4	1·3	·434	·388	98	91	SE 2	SE 1	10	0	·010	Dull with ● 0 a. Bright afternoon.
2	30·00	29·91	60·6	56·3	52·9	60·8	2·3	0·7	·454	·433	86	95	SE 4	SE 1	3	9	·010	Fine and bright.
3	29·89	29·89	56·9	57·4	55·4	61·6	0·7	0·6	·443	·454	95	99	SE 1	SE 2	10	9	—	Dull day.
4	29·97	30·04	57·8	57·1	56·1	59·8	0·6	0·4	·461	·454	95	97	SE 1	NE 2	10	10	—	Dull, with ≋ 0 (mist).
5	30·11	·13	57·6	57·3	53·0	60·1	1·6	0·6	·427	·451	89	96	NE 2	Calm 0	5	10	—	Fine day. ≋ 0 (mist).
6	·21	·13	60·6	55·8	49·9	62·1	2·5	1·3	·449	·407	85	91	E 1	E 2	2	0	—	Very fine and bright.
7	30·08	30·01	58·8	55·5	54·3	60·3	1·7	0·4	·443	·428	90	98	NE 3	Calm 0	5	0	·010	Dull, with ≋ 0 (mist) a. Bright after-
8	29·95	29·89	60·5	55·7	54·2	62·3	1·5	0·2	·477	·437	91	99	SE 2	SE 1	4	10	—	[noon. Fine day. ≋ 0 (mist) 9p.
9	·87	·91	65·5	60·3	52·8	68·2	3·8	2·8	·494	·433	80	84	SW 2	Calm 0	3	7	—	Dull day. ⊍ 9p.
10	·99	·95	63·4	63·4	54·0	73·1	4·1	2·1	·446	·509	77	88	SW 1	Calm 0	5	0	—	Fine and very warm.
11	29·90	29·87	65·6	63·8	56·2	70·2	2·9	0·8	·526	·562	84	95	SW 2	SW 2	6	10	·030	Fine a. Warm. ● in evening.
12	30·00	30·05	59·8	57·6	57·6	64·2	0·3	0·5	·503	·459	98	97	SE 2	Calm 0	10	10	—	Dull, with ≋ 0 (mist).
13	29·96	·09	62·6	55·1	55·0	65·5	1·3	0·5	·520	·419	92	96	SW 2	NE 1	7	10	·020	Dull and damp. ≋ ● p.
14	30·21	·22	53·3	52·9	51·3	55·7	4·0	3·9	·303	·301	75	75	NW 1	NE 3	10	10	—	Cloudy and cool.
15	·26	·27	53·6	52·3	51·5	57·1	4·6	3·0	·294	·313	71	80	NE 3	N 1	10	10	—	Dull and cool a. Bright afternoon.
16	·26	·15	55·3	49·0	49·0	57·8	4·5	1·7	·317	·304	73	88	NE 2	SE 2	8	0	—	Cloudy till 4p., then bright.
17	30·10	30·00	51·8	50·1	44·8	60·0	2·4	3·7	·323	·272	83	75	SW 1	NE 4	6	0	—	Brilliant.
18	29·99	29·83	54·1	51·6	40·5	61·0	4·5	2·3	·302	·323	72	84	SW 2	SW 1	0	0	·060	Brilliant.
19	·51	·38	49·6	45·7	45·0	55·8	0·5	1·5	·343	·272	97	89	SW 2	SW 2	10	5	·080	● a., then fair.
20	·30	·35	51·6	43·7	38·2	55·3	6·0	1·9	·242	·242	64	85	W 4	NW 2	2	0	·020	Very fine.
21	·38	·33	47·6	43·1	37·8	54·0	3·4	2·3	·252	·229	76	82	W 4	NW 2	3	0	·030	Brilliant.
22	·42	·55	48·6	44·8	37·2	52·1	4·2	3·7	·246	·218	71	74	SW 2	NW 2	0	0	—	Brilliant.
23	·62	·55	46·2	45·9	35·5	53·3	3·3	3·2	·239	·238	77	78	NW 2	E 1	4	10	·160	Brilliant, then dull.
24	·51	·39	49·1	41·7	41·5	50·8	0·3	0·3	·342	·257	98	97	E 2	W 2	10	10	·270	● all day.
25	·56	·81	44·7	46·2	40·0	52·5	2·3	3·8	·245	·230	83	74	W 6	W 3	4	0	—	
26	·86	·74	46·5	59·6	38·5	58·5	2·1	0·8	·268	·451	86	95	SW 4	W 6	8	0	·060	● showers.
27	·71	·61	58·1	53·4	53·0	60·8	0·4	2·8	·470	·333	97	82	W 4	NW 5	10	0	·050	Dull, with ● a. Brilliant p.
28	·51	·54	53·6	48·8	48·0	57·3	3·6	1·0	·317	·319	76	93	NW 4	NW 5	0	10	·080	Fresh and brilliant a. ● n.
29	·56	·62	47·8	48·7	45·0	51·3	0·8	1·3	·312	·311	94	91	NW 7	NW 2	9	10	·060	Stormy, with ●. Fair evening.
30	29·47	29·66	49·0	49·1	45·0	50·6	0·3	0·1	·340	·346	98	99	NW 6	N 4	10	6	·050	Stormy, with ●. Fair evening.
Mean	29·841	29·830	54·9	52·5	48·2	59·0	2·4	1·7	·374	·360	85·0	88·8	2·7	2·0	6·1	5·2	1·000	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·07	30·00	58·7	58·8	48·4	62·2	1·0	1·2	·463	·458	94	93	ESE 2	ENE 3	10	7	—	Fine day. ≋⁰ (mist).
2	29·92	29·85	58·4	59·0	55·4	62·6	3·1	1·6	·396	·448	81	90	ESE 5	E 3	2	10	—	● a. Fine day. ≋⁰ (mist).
3	29·87	29·95	57·9	59·0	57·0	62·3	0·0	0·3	·480	·490	100	98	SE 2	Calm 0	10	10	—	≋ a. Dull, with ≋⁰ (mist) p.
4	30·02	30·08	62·8	57·1	55·0	65·1	3·0	1·6	·471	·449	82	96	ESE 1	W 1	0	10	—	Fine day. ≋⁰ (mist). ⊼ p.
5	·10	·13	60·3	53·0	50·5	61·5	1·0	0·0	·491	·403	94	100	ESE 1	Calm 0	10	10	—	≋ a. Dull day. ⊼ ≋⁰ p.
6	·17	30·13	58·6	58·0	48·8	65·7	0·8	1·6	·467	·433	95	89	ESE 3	E 1	10	6	—	≋⁰ (mist) a. Fine day. ⊼ p.
7	30·08	29·97	58·4	59·3	58·0	62·0	3·4	1·2	·388	·466	79	93	ESE 4	ESE 3	9	8	—	Very fine.
8	29·94	·87	57·8	57·0	55·5	60·2	1·8	0·2	·424	·459	88	99	SE 4	SE 2	9	10	·079	Dull day.
9	·87	·94	61·7	58·8	56·0	65·0	3·1	0·6	·448	·477	82	96	WSW 4	SW 3	4	10	·001	Fine day.
10	·97	·94	59·9	57·8	56·8	64·0	0·6	0·8	·497	·454	97	94	SSW 4	Calm 0	10	8	·113	Dull a. Fine afternoon. ⊼ p.
11	29·90	29·88	59·4	59·8	56·7	59·9	0·1	0·2	·504	·508	99	99	SSW 3	SW 4	10	10	·124	Overcast, with ● ≋⁰ (mist).
12	30·04	30·04	63·2	54·5	54·1	66·0	1·4	0·5	·530	·411	92	97	NW 2	Calm 0	9	4	—	Cloudy a. Fine afternoon. ⊼ ≋⁰ (mist) p.
13	·07	·16	59·6	55·8	53·0	61·2	1·6	1·0	·459	·416	90	93	NW 2	NNW 4–5	10	10	·008	Dull day.
14	·21	·26	58·8	56·0	54·0	58·8	1·6	1·0	·445	·419	90	93	N 2	ENE 1	10	10	·005	Dull day.
15	·31	·30	52·8	42·8	42·8	57·0	3·8	0·8	·301	·257	75	94	ESE 2	N 1	10	4	—	Fine day. ⊼² p.
16	30·24	30·09	55·8	55·0	40·0	59·5	3·0	3·0	·362	·349	81	81	SSW 3	S 3	8	3	—	Dull day.
17	29·96	29·98	54·6	44·0	42·8	59·2	4·3	0·6	·312	·274	74	95	S 4	N 1	10	0	—	Fine day. ⊼² p.
18	·98	·80	56·2	56·4	40·0	59·0	4·5	1·9	·330	·399	73	88	SW 3	SW 4–5	7	10	·968	Fine day.
19	·54	·46	52·0	49·0	40·3	56·4	1·5	3·9	·348	·257	90	74	WSW 3	WNW 5	10	2	·055	●² showers. ⌿
20	·44	·43	50·8	47·2	43·4	54·6	3·6	2·2	·283	·273	76	85	WNW 6	NW 6	3	6	·090	Squally ⌿ ●. showers. ⌒ <
21	·48	·43	48·2	43·0	42·4	52·6	2·6	0·4	·274	·268	82	97	WNW 5	SSW 2	8	3	·135	Cloudy, with ● showers. <
22	·55	·68	51·0	45·0	38·8	54·6	5·0	1·6	·255	·262	68	88	NNW 5	NW 4	3	10	·110	Fine a. ● showers p.
23	·66	·47	48·0	50·0	38·4	54·0	1·4	0·2	·299	·356	90	99	Calm 0	E 5	8	10	·720	Dull day. ⌿ ●²
24	·49	·54	49·8	45·0	45·0	54·3	2·0	2·2	·307	·249	86	84	NNE 2	NNW 7–8	10	6	·028	Fine day. Squally ⌿ ●.
25	·82	·93	50·8	42·8	38·2	54·0	2·8	1·0	·301	·253	81	92	NW 6	NW 2	2	2	·016	Squally a. Very fine.
26	·88	·86	52·0	59·0	41·0	59·0	0·1	1·2	·385	·461	99	93	W 4–5	W 5–6	10	10	·180	Overcast, with ●. Squally ⌿.
27	·78	·78	58·0	53·6	53·2	60·4	0·2	0·9	·476	·386	99	94	WSW 5–6	SW 2	10	10	·182	Dull and squally, with ● showers.
28	·69	·71	51·8	49·0	48·2	55·2	0·4	2·0	·375	·298	97	86	NW 6–7	NNW 8–9	10	2	·060	Cloudy, with squally ⌿ ●.
29	·79	·74	54·0	52·2	46·0	57·2	3·0	2·0	·334	·337	80	86	NNW 6	NW 4	3	10	·125	Squally ⌿ a. Fine day.
30	29·65	29·84	56·6	48·6	47·0	59·0	2·6	1·6	·383	·302	83	89	N 3	NNE 3	4	4	—	Fine day.
Mean	29·883	29·874	55·9	52·9	48·2	59·4	2·1	1·2	·393	·376	86·6	91·8	3·5	3·0	7·6	7·2	2·999	

STONYHURST.—SEPTEMBER 1889.

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

1	29·86	29·80	57·2	58·2	54·3	64·4	2·5	3·2	·395	·390	84	80	EbyN 1	E 1	10	0	—	
2	·74	·67	57·8	58·1	50·3	63·8	4·8	3·3	·344	·387	72	79	E 2	EbyN 2	5	10	·103	Overcast and gloomy p.
3	·65	·70	58·1	58·0	55·3	61·1	1·1	2·0	·449	·421	92	87	NEb.E 1	NE 1	10	7	—	Overcast and gloomy.
4	·79	·84	58·3	60·0	54·9	62·0	2·6	2·1	·409	·450	83	87	Calm 0	Calm 0	10	10	—	Dull and overcast.
5	·89	·92	58·0	59·5	52·6	68·5	2·8	2·2	·399	·438	82	87	NEb.N 1	Calm 0	0	0	—	∞
6	·94	·93	58·2	55·5	53·3	64·8	3·2	3·4	·390	·347	80	79	NEb.N 1	Calm 0	0	0	—	Fine and sunny. ∞
7	·84	·79	57·5	55·7	49·1	63·9	4·3	2·4	·351	·376	74	85	ENE 2	E 1	7	2	—	
8	·72	·67	59·2	58·0	52·7	63·6	3·1	2·8	·408	·399	82	82	Calm 0	Calm 0	10	10	·033	Overcast.
9	·66	·74	62·5	55·8	55·0	66·5	3·0	1·2	·465	·411	82	92	SW 1	Calm 0	9	10	—	
10	·77	·74	62·0	63·2	52·2	69·3	3·8	3·0	·433	·477	78	82	Calm 0	SW 1	9	9	—	
11	·70	·68	63·2	63·3	58·1	67·9	3·3	1·0	·469	·546	81	94	SW 1	WSW 1	10	10	·208	Overcast, with ● p.
12	·81	·84	59·6	60·6	58·4	71·0	0·5	1·5	·495	·479	97	91	W 1	NEb.N 1	10	10	—	≋ a. Bright and sunny p.
13	29·81	29·88	58·0	56·2	55·5	62·0	0·8	1·4	·457	·410	94	91	WbyS 1	Calm 0	10	10	·050	Overcast and gloomy a.
14	30·00	30·02	53·2	52·0	51·3	56·6	1·3	2·7	·368	·318	91	82	Calm 0	NEb.E 1	10	10	·033	●⁰ a. Overcast and gloomy.
15	·08	30·08	50·3	51·7	43·5	54·7	3·7	3·5	·275	·296	75	77	Calm 0	Calm 0	10	10	—	Overcast and gloomy.
16	30·05	29·92	53·8	49·7	46·9	57·8	4·2	2·9	·324	·286	74	81	Calm 0	Calm 0	10	10	—	
17	29·80	·77	54·0	49·2	47·9	58·2	6·4	3·2	·259	·274	62	78	SbyE 4	Calm 0	0	2	—	Cloudy, then fine and sunny.
18	·77	·61	52·0	51·0	39·0	59·6	5·1	1·9	·264	·326	69	87	WbyS 1	SWb.W 1	2	10	·690	⌣ a. Sunny, then overcast.
19	·31	·20	50·9	49·7	46·9	54·9	1·2	4·0	·343	·263	92	73	W 3	W 2	10	2	·115	Overcast.
20	·18	·16	48·0	42·9	42·0	51·0	2·7	2·0	·270	·234	81	85	W 3	WbyN 2	3	10	·457	⌒² 9a. and 5p. ▲ 2p. and 5p. <
21	·23	·17	44·3	42·3	36·9	47·9	2·9	1·3	·229	·242	78	90	WbyS 1	Calm 0	10	10	·360	● showers.
22	·26	·40	43·9	44·3	34·0	51·3	3·2	3·4	·219	·220	76	74	Calm 0	NW 1	0	0	—	⌣ a. Clear and sunny.
23	·44	·28	44·0	46·2	36·7	51·9	1·7	1·2	·250	·285	86	92	Calm 0	Calm 0	10	10	·270	⌣ a. Overcast and gloomy. ● p.
24	·20	·22	47·5	43·1	42·1	51·3	1·2	2·2	·299	·231	91	82	NE 2	WNW 1	10	10	·100	Overcast.
25	·53	·67	45·0	45·0	37·8	52·0	5·1	3·1	·195	·231	65	77	WNW 2	NW 1	0	0	·020	Fine and sunny.
26	·68	·63	48·2	56·3	38·3	56·6	1·0	0·3	·312	·444	93	98	WSW 1	WbyS 3	10	10	2·060	Overcast.
27	·58	·52	56·5	51·4	50·6	57·6	0·6	2·0	·439	·328	96	87	WSW 3	WbyS 1	10	2	·665	Overcast, with ●.
28	·41	·42	52·6	46·4	46·0	54·6	3·6	2·4	·303	·260	76	83	WNW 3	WNW 1	4	0	—	
29	·48	·46	48·2	45·6	41·2	53·3	3·4	2·4	·257	·252	77	82	NWb.N 4	W 1	7	10	—	
30	29·33	29·51	51·2	46·3	45·6	53·1	5·0	3·0	·257	·247	68	79	N 1	NbyW 1	8	2	—	
Mean	29·649	29·640	53·8	52·5	47·6	59·0	2·9	2·4	·344	·342	81·1	84·1	1·3	0·8	7·1	6·5	5·164	

HILLINGTON.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·13	30·12	63·0	51·6	51·5	69·5	3·0	0·9	·454	·358	79	94	ENE 2	ENE 1	4	0	—	Fine and sunny. ⊼² p.
2	30·03	30·00	62·2	57·0	50·6	68·1	3·5	0·5	·444	·449	80	97	E 5	E 1	5	4	·550	Fine and sunny till 3p., then cloudy.
3	29·91	29·94	60·2	60·0	57·0	68·2	0·5	1·8	·505	·457	97	89	ESE 1	SE 1	10	10	—	⊼ ●² early a. ⊼ p. [⊼ p.
4	30·03	30·10	60·2	57·2	55·7	64·6	1·4	0·5	·473	·453	92	97	NE 1	NE 0·5	10	10	—	≋⁰ (mist) before 9a. Overcast all
5	·20	·23	59·5	55·1	55·1	65·4	5·5	0·3	·351	·425	69	98	NE 0·5	NE 0·5	10	8	—	Overcast all day. ⊼² p. [day. ⊼² p.
6	·23	·19	62·0	53·4	48·2	67·5	2·4	0·5	·475	·394	86	96	NE 2	NE 0·5	4	0	—	Very fine and sunny. ⊼ p.
7	30·12	30·06	61·5	51·2	50·1	65·4	1·7	0·0	·487	·377	90	100	NE 2	NE 1	10	0	—	⌒² p.
8	29·99	29·99	58·5	50·5	48·4	68·6	0·9	0·6	·462	·352	95	96	NE 1	NE 0·5	8	0	—	p.
9	30·01	30·07	60·2	55·1	46·4	70·5	2·6	0·4	·437	·422	85	97	S 1	S 0·5	4	0	—	p.
10	·13	·15	59·0	62·1	53·1	72·8	0·9	1·0	·470	·485	95	94	S 2	S 0·5	10	0	—	p.
11	·07	·04	67·3	64·0	52·1	76·7	4·2	2·4	·512	·511	78	86	SW 2	SW 1	6	10	—	
12	·07	·19	67·1	56·0	56·0	68·4	3·0	0·1	·550	·446	84	99	NW 2	NW 2	8	10	—	⌒² p.
13	·08	·10	63·0	59·5	55·4	70·4	1·4	1·7	·524	·454	92	99	SW 3	N 3	10	10	—	p.
14	·26	·25	56·0	52·7	50·3	62·1	4·5	2·9	·325	·322	73	81	E 2	E 1	6	10	—	Overcast from 4p.
15	·32	·33	55·0	51·3	49·3	60·7	3·8	1·3	·329	·344	76	91	NE 4	NW 3	10	10	—	Overcast.
16	·35	·27	55·5	43·0	43·0	63·4	4·8	1·3	·312	·248	72	90	S 1	S 1	4	0	—	Overcast from 3p. ⊼ p.
17	·18	·13	54·8	43·2	35·3	62·9	5·3	1·5	·293	·246	69	88	S 1	S 1	0	0	—	⌣ a. Very fine and sunny. ⊼ p.
18	30·13	30·07	55·8	48·0	36·5	64·4	5·1	2·3	·309	·279	70	84	S 1	S 1	0	0	—	⌣ a. Very fine and sunny. ⊼ p.
19	29·73	29·53	53·4	50·2	44·6	55·9	2·9	0·4	·330	·353	81	98	S 3	S 2	10	10	·300	Overcast all day. ⊼² p.
20	·45	·46	50·5	43·1	42·1	56·4	2·6	1·5	·302	·245	82	88	NW 4	NW 4	6	3	—	Fine and sunny till 4p., then overcast.
21	·49	·52	47·0	45·0	38·1	54·4	2·3	2·3	·269	·247	84	83	NW 4	W 3	0	10	—	Overcast from 4p.
22	·68	·70	48·2	38·0	37·1	54·4	3·5	1·2	·255	·204	76	89	NW 2	N 1	0	0	—	Very fine and sunny. ⊼ p.
23	·78	·63	48·2	48·1	32·2	54·9	3·4	2·3	·258	·280	77	84	NW 3	SW 1	4	10	·370	⌣ a.
24	·45	·46	50·1	46·9	46·2	54·0	0·2	1·2	·357	·293	98	92	S 1	SW 5	10	10	·793	●² 2a.—2.30p.
25	29·65	·96	45·8	44·8	40·2	52·9	2·7	1·6	·247	·260	81	88	NW 6	NW 3	5	0	—	⌿
26	30·02	·95	46·5	55·0	35·1	55·5	1·6	1·3	·278	·394	89	91	SW 1	SW 3	5	10	·048	Overcast all day.
27	29·97	·75	59·5	58·2	54·1	63·4	2·8	0·6	·421	·467	83	96	SW 4	SW 5	6	10	—	Overcast all day.
28	·63	·61	55·0	50·6	48·3	59·5	3·3	2·6	·342	·303	79	82	NW 4	NW 5	7	10	·027	
29	·62	·67	45·7	47·7	45·1	53·5	1·8	2·0	·266	·283	87	86	NW 5	N 4	10	10	·022	● 8.45a.—10a. Blustering.
30	29·53	29·67	49·9	47·3	44·0	52·3	2·4	0·3	·299	·319	84	98	NW 1	NNE 1	9	10	·230	● showers.
Mean	29·936	29·937	56·0	51·5	46·7	62·6	2·8	1·2	·378	·356	82·8	91·4	2·4	1·9	6·4	5·8	2·345	

CHURCHSTOKE.—SEPTEMBER 1889.

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

1	29·64	29·56	56·1	53·9	52·0	65·9	1·9	0·9	·396	·389	87	94	NE 2	SE 1	10	0	—	≋² (mist).
2	·47	·40	56·7	62·0	45·1	65·8	0·7	1·2	·437	·512	95	93	SE 1	SE 1	10	10	·120	Dense mist on hills.
3	·45	·53	58·0	58·8	57·0	63·3	0·5	0·9	·465	·467	97	95	NW 1	NW 1	10	10	·230	● early a. ≋⁰ (mist) a.
4	·59	·65	61·2	52·9	52·0	65·7	2·1	0·9	·470	·375	88	94	NW 2	NW 1	10	10	—	Dull and warm.
5	·69	·73	58·5	56·7	52·6	67·7	1·5	0·7	·444	·437	90	95	NNW 1	NW 1	10	10	—	≋⁰ (mist).
6	·72	·69	62·8	53·9	53·0	66·1	4·9	2·9	·413	·336	73	81	E 2	E 2	9	0	—	
7	·63	·56	53·8	55·1	44·0	62·3	2·8	2·3	·338	·369	81	85	E 2	SE 2	9	8	—	Cold wind.
8	·52	·51	55·3	56·7	49·1	63·1	2·8	1·7	·358	·409	82	89	E 2	E 2	10	10	·018	Cold wind.
9	·50	·59	62·0	53·3	52·0	71·1	2·3	0·3	·477	·399	86	98	SW 3	W 1	8	2	·010	Dull day. ● shower in evening.
10	·58	·58	68·0	59·0	52·0	75·9	6·1	1·3	·467	·457	68	92	SW 2	SE 2	5	2	—	Bright and hot.
11	·55	·55	64·2	64·2	52·0	73·8	4·5	3·1	·449	·491	75	82	SW 2	W 1	8	9	—	Close and hot.
12	·63	·67	65·0	63·0	59·5	77·0	3·6	1·1	·489	·535	80	93	WSW 1	SW 1	5	2	—	Clear and still.
13	·66	·74	60·5	55·9	51·4	67·5	2·6	2·9	·443	·364	84	82	NW 2	NW 2	10	10	—	⌓²a.
14	·78	·79	57·8	54·7	51·1	60·0	2·4	0·9	·406	·401	84	95	W 1	NE 1	10	10	—	Dull day. ∞
15	·88	·87	54·3	49·7	47·2	58·2	4·9	1·9	·295	·307	70	88	E 2	NW 1	9	10	—	Cool wind.
16	·84	·71	54·5	52·1	39·0	57·6	4·3	3·2	·311	·306	73	78	SSE 1	SE 2	8	10	—	Cloudy.
17	·59	·59	53·9	39·8	38·0	61·1	4·9	0·9	·289	·226	69	93	SE 2	E 1	0	0	—	Haze on hills.
18	·57	·48	54·9	48·9	31·0	63·9	5·3	3·0	·293	·273	68	80	ESE 2	SW 2	5	3	·012	⌣ a. Bright and frosty.
19	·18	·10	53·8	47·4	46·4	53·9	1·8	1·0	·364	·303	87	93	SSW 4	SW 1	10	2	·204	Stormy.
20	·09	·07	48·7	42·2	41·0	55·1	2·6	1·3	·279	·240	82	90	NW 2	NW 2	6	4	·030	Cold, with ● showers.
21	·09	·03	49·7	43·8	37·6	53·6	5·0	1·1	·240	·261	68	92	WNW 3	W 1	9	10	·030	Squally.
22	·09	·29	45·2	37·5	35·8	52·9	1·1	1·6	·275	·193	92	86	W 1	NW 1	9	2	—	Dull and cold.
23	29·28	·02	45·8	48·1	34·0	54·0	1·9	1·2	·264	·306	86	91	SW 1	SW 1	10	10	·865	Dull day. ● in evening.
24	28·97	·10	47·9	41·8	38·2	51·3	0·3	1·7	·327	·228	98	87	NW 1	SE 2	10	10	·060	Steady ●.
25	29·37	·55	47·5	41·2	39·8	56·2	4·0	1·5	·238	·227	73	89	NW 2	WNW 2	5	0	—	Bright and clear.
26	·56	·54	51·3	56·9	39·0	59·9	3·3	1·9	·295	·407	78	88	W 2	SW 3	9	9	—	Threatening appearance.
27	·47	·37	59·0	56·9	55·5	61·2	2·4	0·9	·424	·436	86	94	W 5	SW 3	10	9	·046	≋⁰ (mist) 9a. Squally and warm.
28	·29	·30	52·9	47·7	46·4	57·7	4·4	2·0	·288	·283	72	86	WNW 3	NW 2	8	8	·026	
29	·32	·33	47·7	46·8	44·0	51·9	2·4	2·1	·274	·270	83	85	NW 2	W 1	10	10	·050	● showers.
30	29·15	29·34	51·9	46·3	46·0	55·5	1·4	2·0	·349	·267	91	86	W 2	NW 2	10	10	·030	Gloomy.
Mean	29·471	29·474	55·3	51·6	46·1	61·6	3·0	1·6	·362	·349	81·5	89·1	2·0	1·5	8·4	6·7	1·751	

CARMARTHEN.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·95	29·84	67·3	60·0	53·8	72·9	5·3	2·0	·479	·453	72	88	E 2	E 2	0	0	—	∞ a. Fine day.
2	·76	·75	60·5	59·8	55·4	66·0	2·8	0·5	·436	·498	84	97	E 3	Calm 0	10	10	·040	Dull day. ● after 6p.
3	·82	29·89	63·3	59·8	57·6	68·2	2·2	1·5	·503	·465	87	91	Calm 0	Calm 0	10	10	·010	Dull day.
4	29·97	30·00	60·8	58·1	57·0	69·2	1·5	1·2	·482	·446	91	92	Calm 0	Calm 0	10	10	—	Dull, with ∞ all day.
5	30·03	·04	59·8	59·8	56·2	68·0	1·5	0·7	·465	·491	91	96	NE 1	N 1	10	10	—	Dull and overcast.
6	30·07	30·01	61·8	55·9	52·3	69·4	2·2	2·3	·477	·379	87	86	E 1	E 1	10	0	—	Fine day.
7	29·96	29·86	62·8	55·2	49·4	69·2	7·1	1·8	·356	·382	63	88	E 2	E 1	0	2	—	Fine day.
8	·87	·83	58·8	59·1	51·8	63·7	2·6	0·8	·416	·475	84	95	SE 1	SE 1	10	10	·340	Dull day. ● p.
9	·87	·93	62·0	57·4	57·3	67·2	1·0	0·4	·520	·459	94	97	SW 1	Calm 0	10	0	—	Very fine.
10	·97	·92	62·4	61·6	56·8	73·2	2·9	2·1	·465	·477	83	87	SW 2	W 1	9	3	—	Very fine.
11	29·94	29·93	62·0	61·3	59·4	71·0	1·0	0·6	·520	·522	94	96	SW 1	SW 1	10	10	—	
12	30·00	30·04	63·8	61·9	60·3	77·1	1·5	1·1	·539	·514	91	94	Calm 0	W 1	10	0	—	Very fine. ≋ 9p.
13	·04	·10	61·6	57·6	54·5	66·2	1·6	3·2	·492	·381	90	80	N 1	N 1	9	10	—	Fine day.
14	·15	·13	64·8	54·9	54·5	68·4	6·5	1·2	·403	·396	66	92	NE 1	N 1	9	5	—	Fine day.
15	·23	·22	58·0	53·2	52·7	65·7	4·6	3·8	·352	·306	73	75	E 1	N 1	7	8	—	Fine day.
16	30·21	30·09	59·0	55·7	42·8	63·2	6·6	3·3	·318	·351	63	79	Calm 0	S 2	0	10	—	Dull day.
17	29·93	29·93	58·8	47·3	45·4	63·8	4·9	3·2	·355	·252	72	78	SE 3	SE 2	7	0	—	Very fine.
18	·96	·84	60·6	48·8	39·3	65·2	7·7	1·4	·313	·309	60	90	Calm 0	Calm 0	0	0	·020	Very fine.
19	·62	·52	55·1	50·7	45·0	55·6	1·7	2·3	·384	·311	88	84	SW 1	NW 1	10	5	·450	● till 4p.
20	·52	·49	55·2	47·0	45·4	58·2	6·0	3·3	·281	·247	65	77	NW 4	NW 5	6	0	·050	Frequent ● showers.
21	·53	·43	52·1	49·1	43·2	56·7	4·9	2·6	·269	·285	70	82	NW 2	Calm 0	9	10	·200	
22	·47	·67	50·7	41·6	41·4	55·8	2·5	1·7	·306	·227	83	87	NW 1	NW 2	5	1	·030	● showers.
23	·66	·31	44·4	50·7	34·4	52·4	1·3	0·3	·263	·362	90	98	E 2	E 1	10	10	1·680	● nearly all day.
24	·31	·51	55·5	49·7	44·0	57·7	0·7	3·1	·419	·280	96	80	Calm 0	N 4	10	3	·030	
25	29·75	·94	51·2	41·8	41·3	58·1	5·2	1·2	·253	·239	67	91	N 1	Calm 0	0	0	—	Fine day.
26	30·00	·99	48·8	56·1	34·4	61·5	1·7	1·4	·302	·409	88	90	SE 1	SW 3	10	10	·020	
27	29·96	·79	58·0	58·1	54·6	61·4	0·8	1·7	·457	·431	94	89	W 3	SW 3	10	10	·010	Dull, with ● showers.
28	·77	·71	55·7	50·2	49·8	58·8	4·8	3·4	·315	·279	72	78	NW 3	Calm 0	8	8	·020	Dull day. ▲ 8.30p.
29	·72	·75	50·7	48·2	47·6	56·4	2·3	3·5	·311	·256	84	76	NW 2	NW 2	10	10	·100	Dull all day.
30	29·55	29·66	56·2	47·4	47·0	61·0	3·0	3·2	·366	·253	81	78	NW 3	NW 4	8	0	—	
Mean	29·852	29·836	58·1	53·9	49·5	64·0	3·3	2·0	·394	·371	80·8	87·0	1·4	1·4	7·6	5·5	3·000	

MARGATE.—SEPTEMBER 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Temp. 9 a.m.	Temp. 9 p.m.	Min.	Max.	Dep. of Wet 9 a.m.	9 p.m.	Vap. Tens. 9 a.m.	9 p.m.	Per-centage 9 a.m.	9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	30·09	30·07	63·0	60·0	59·4	65·2	2·2	1·2	·498	·477	87	93	E 2	E 2	9	0	—	Fine and bright.
2	29·98	29·91	61·6	64·2	59·2	64·6	2·6	1·3	·462	·554	84	92	E 3	Calm 0	10	8	·110	< ● 8p.
3	29·89	29·98	62·7	60·0	60·0	64·2	0·6	0·8	·548	·491	97	95	E 1	Calm 0	10	8	·160	Ʀ a. Dull, with ●⁰.
4	30·04	30·10	59·4	62·0	57·0	64·6	0·8	1·8	.480	·492	96	89	W 1	Calm 0	10	10	·040	Fine day.
5	·07	·12	60·0	59·8	59·2	63·9	0·4	1·1	·503	·477	98	93	Calm 0	SW 1	10	4	·020	●⁰ a. Fine p.
6	·18	·14	62·7	63·0	58·2	63·6	4·7	4·2	·418	·436	74	76	SW 3	SW 2	2	0	—	Fine and warm.
7	·10	·02	62·8	57·0	56·2	64·7	4·8	1·8	·416	·412	73	88	E 2	E 2	3	0	—	Fine day.
8	·01	·06	61·0	54·8	53·6	62·9	2·8	0·8	·446	·406	83	94	SE 1	E 1	4	0	—	Fine day. Pretty sunset.
9	·10	·14	63·0	58·7	50·9	71·0	4·5	0·7	·428	·472	75	96	S 2	SW 2	0	0	—	Fine day.
10	·16	·14	62·6	60·4	54·7	71·0	1·8	3·1	·503	·427	89	82	S 1	Calm 0	2	0	—	Fine day.
11	·15	·10	71·0	61·2	56·0	76·7	5·2	3·4	·552	·431	72	80	S 2	SW 1	0	6	—	Very hot. Ⓣ
12	·09	·17	62·0	61·4	59·0	73·0	3·6	1·5	·437	·492	79	91	S 2	Calm 0	0	0	—	Fine and very hot.
13	·10	·05	65·0	64·2	60·2	75·0	2·2	3·4	·537	·482	87	80	S 2	SW 3	7	7	·030	Sultry.
14	·17	·24	60·6	56·2	56·2	64·5	2·8	5·4	·439	·307	83	68	E 2	E 3	3	4	—	Fine and warm.
15	·23	·30	56·8	55·2	53·1	61·0	4·2	5·0	·344	·304	74	70	NE 3	E 4	6	10	—	Cooler.
16	·35	·30	54·9	47·8	47·0	58·8	2·5	2·8	·361	·266	84	80	E 1	E 1	4	2	—	Fine, but cool.
17	·21	·11	57·0	50·4	40·3	60·0	4·0	5·6	·352	·237	75	65	N 1	SE 1	0	0	—	Fine day. ⊔⁰.
18	30·14	30·04	58·0	50·4	44·4	61.0	6·6	2·9	·305	·294	63	81	Calm 0	Calm 0	1	0	—	Very fine.
19	29·84	29·58	58·6	52·3	48·0	60·0	6·4	0·3	·317	·384	64	98	S 3	SW 4	10	10	·130	● in evening.
20	·53	·51	52·2	50·1	47·1	59·6	5·2	4·1	·264	·264	68	73	W 5	SW 4	6	0	—	⟋ a. and p. < p.
21	·55	·54	48·2	45·8	45·0	56·2	3·5	3·3	·256	·236	76	77	WNW 4	SW 4	7	0	—	⟋ a. Finer.
22	·54	·70	50·0	51·2	43·9	57·0	3·9	2·2	·267	·319	75	85	W 2	SW 3	8	0	—	Cooler.
23	·82	·70	48·5	49·9	38·5	57·2	2·9	3·7	·271	·270	80	76	WSW 2	SW 1	8	0	·120	
24	·49	·45	54·0	53·1	48·8	60·0	1·8	1·6	·366	·360	87	89	SSW 3	W 3	10	10	·350	⟋ ●².
25	29·68	29·97	45·2	50·1	43·5	53·5	2·7	0·9	·241	·338	81	93	NW 5	NW 5	8	0	—	⟋ a.
26	30·08	30·02	49·3	54·7	40·0	57·0	3·4	2·9	·270	·348	77	82	W 2	NW 4	9	4	—	Much milder.
27	30·03	29·85	58·0	59·5	44·9	63·1	2·8	2·4	·399	·433	82	86	W 4	W 4	10	10	·030	Finer.
28	29·71	·65	54·9	51·3	51·1	59·9	3·9	3·5	·325	·290	75	77	W 4	W 4	9	10	—	
29	·64	·67	48·7	50·1	46·2	52·8	3·7	3·1	·257	·285	75	79	WNW 4	W 3	10	10	·090	⟋ ●
30	29·56	29·61	49·2	51·3	47·8	54·8	2·6	1·6	·286	·336	82	89	W 2	W 3	10	0	·060	● showers.
Mean	29·951	29·941	57·4	55·5	51·0	62·6	3·3	2·5	·385	·377	79·8	83·9	2·3	2·2	6·2	3·8	1·140	

SOUTHAMPTON.—SEPTEMBER 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·10	30·03	60·0	58·1	56·8	71·1	1·9	2·5	·456	·409	89	84	ENE 1	ENE 2	10	1	—	⌓ a. and p.
2	29·92	29·91	65·7	61·1	55·0	69·6	2·7	1·1	·535	·501	84	93	E 2·5	SW 1	10	2	—	< during evening.
3	29·94	29·99	61·6	61·5	57·3	72·6	1·5	1·4	·496	·498	91	92	SW 1·5	SW 0·5	10	2	—	⌓ a. and p. Thickly overcast a. [then beautiful day.
4	30·06	30·12	62·9	60·5	59·4	70·7	2·3	1·6	·495	·475	87	90	NE 1	Calm 0	10	10	—	⌓ a. and p.
5	·16	·18	60·4	60·7	54·7	65·6	1·8	1·8	·466	·472	90	89	NE 2	NE 1·5	10	10	—	⌓ a.
6	·19	·15	63·7	54·8	54·8	72·1	4·3	3·0	·447	·348	75	81	NE 3·5	ENE 1	2	0	—	⌓ a. and p. Beautiful day.
7	·08	·02	63·8	58·2	51·7	70·7	4·2	2·3	·452	·415	76	85	NNE 2	Calm 0	5	0	—	⌓ a. and p. Fine day throughout.
8	·02	·04	54·6	59·3	48·8	67·1	0·9	2·3	·401	·432	94	86	N 0·5	SW 0·5	10	10	—	⌓ a. Fine day throughout.
9	·07	·12	61·7	61·4	56·7	66·7	2·8	1·2	·459	·504	83	93	SW 2	SW 0·5	10	10	—	
10	·16	·13	60·5	60·4	58·3	74·1	1·7	1·0	·472	·492	90	94	SE 1	SE 1	10	0	—	Beautiful day. ⌓ n.
11	·10	·08	68·8	60·9	52·3	77·5	5·0	1·3	·515	·491	73	93	S 1·5	SW 2	1	10	—	⌓ a. and p. Very warm throughout.
12	·13	·15	68.0	66·6	57·7	83·9	2·9	1·8	·573	·585	84	90	NNW 1	Calm 0	9	1	—	*Very* warm all day. ⌓ n.
13	·17	·17	62·6	61·2	56·2	80·6	0·8	2·9	·541	·446	95	83	SW 1·5	NW 2	8	1	—	≋² early a. Very warm day.
14	·25	·26	63·4	58·7	53·9	71·1	4·3	4·0	·441	·376	76	76	NE 2·5	NE 2	9	10	—	⌓ a. Beautiful day.
15	·32	·32	55·4	50·0	49·8	61·6	5·0	2·1	·308	·307	70	85	NE 2·5	NE 1·5	10	0	—	Beautiful day, but cool. ⌓ n.
16	·36	·28	56·0	46·1	43·4	61·4	4·3	1·5	·333	·277	74	89	SE 2	SE 1	9	0	—	⌓ a. and p. Beautiful day but cool.
17	·15	·07	54·8	45·9	38·7	61·6	5·9	2·6	·280	·252	66	82	SE 3	NE 1	5	0	—	Beautiful day. Very cool a. and p.
18	30·11	30·03	61·0	48·4	42·8	63·9	6·4	1·9	·348	·293	65	87	SE 2·5	NE 0·5	1	0	—	Beautiful day. ⌓⁰ n.
19	29·84	29·65	59·3	52·2	40·7	63·1	4·8	0·9	·364	·366	72	94	SW 3	SW 1·5	10	10	·430	Beautiful a. ● 2p.—6p.
20	·64	·59	56·4	48·9	47·0	61·6	5·4	2·2	·312	·294	68	85	NW 4·5	W 2	0	2	—	Beautiful day throughout.
21	·66	·60	51·6	50·4	42·0	60·4	4·2	3·2	·279	·287	73	79	NW 2·5	W 2·5	9	10	·055	Fine and pleasant, with cool breeze.
22	·58	·78	51·1	43·6	42·8	57·2	1·4	2·7	·340	·226	90	79	Calm 0	NW 1	7	0	·038	≋ a. ● 11a.—1.30p. [● from 9p.
23	·85	·66	47·6	54·1	35·2	58·6	2·4	4·0	·273	·311	83	75	SW 1	SW 3·5	9	10	·310	Fine and dry. ● from 10p.
24	·45	29·56	57·4	49·8	49·6	60·8	0·6	1·2	·454	·328	97	91	SSW 2·5	N 3	10	10	·458	● most of day.
25	29·83	30·05	50·5	44·6	40·3	59·6	5·3	2·6	·244	·237	66	80	NW 3	Calm 0	0	0	—	Beautiful day. ⌓ n.
26	30·14	30·15	49·0	55·6	36·3	60·9	2·2	2·5	·294	·372	85	84	W 1	SW 2	10	9	—	Fine and pleasant.
27	30·12	29·94	58·7	58·0	53·2	67·1	2·9	1·6	·406	·433	82	89	WSW 2	W 4·5	10	2	·003	Beautiful day.
28	29·83	·77	58·2	50·5	50·3	62·5	5·1	3·3	·343	·286	71	78	WNW 2·5	NW 1·5	9	0	—	Beautiful day.
29	·78	·80	54·6	50·1	44·0	58·5	4·9	3·1	·298	·285	71	79	NW 3·5	NW 2	1	10	—	Beautiful day, but with cold wind.
30	29·62	29·70	52·3	48·6	46·7	62·6	1·4	2·0	·354	·294	90	86	NW 2·5	NW 3	10	0	·057	●² 1.50 p.—2.15p.
Mean	29·987	29·976	58·4	54·7	49·2	66·5	3·3	2·2	·399	·376	80·3	85·7	2·1	1·5	7·5	4·3	1·051	

BABBACOMBE.—SEPTEMBER 1889.

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

Day.	Bar. 9 a.m.	Bar. 9 p.m.	Temp. 9 a.m.	Temp. 9 p.m.	Min.	Max.	Dep. of Wet 9 a.m.	9 p.m.	Vap. Tens. 9 a.m.	9 p.m.	Per-centage 9 a.m.	9 p.m.	Wind 9 a.m.	Wind 9 p.m.	Cloud 9 a.m.	Cloud 9 p.m.	Rain 9 a.m.	Remarks.
1	29·85	29·77	58·9	59·1	58·1	62·6	1·0	0·5	·465	·483	94	97	E 3	ENE 3	10	3	—	⌓ ≋² (mist) a. and p.
2	·65	·69	60·0	58·5	58·3	64·2	0·1	0·6	·514	·472	99	96	S 2	SW 2	10	10	·060	≋ till 9.30a. ● showers. < 9p.
3	·73	·80	59·3	58·9	57·3	69·2	0·7	1·0	·482	·465	96	94	NNE 1	WNW 2	10	3	·010	Dull, with ≋⁰ (mist) a. ⌓ p.
4	·86	·91	64·4	59·3	56·6	69·6	3·8	1·5	·472	·457	78	91	NE 1	NW 2	4	1	—	⌓ n. and p.
5	·94	·96	61·7	57·9	55·4	67·8	2·3	1·1	·472	·446	86	94	NE 1	Calm 0	8	10	—	⌓ in past n. ≋² (mist) 10a.—5p.
6	·96	·91	59·9	59·2	57·9	67·0	1·7	2·5	·461	·425	90	85	ENE 1	ENE 2	8	1	—	≋⁰ (mist). ⌓ p.
7	·84	·78	56·1	54·8	54·8	63·8	1·6	1·0	·403	·400	89	94	ENE 3	NNW 1	10	0	—	⌓ n. Dull a. ≋⁰ (mist). ⌓² p.
8	·78	·81	61·0	58·7	49·2	63·4	2·6	1·3	·451	·453	84	92	ESE 1	SW 2	8	10	—	⌓² n. ⊕ a. and p. ≋⁰ (mist).
9	·83	·88	60·6	57·8	57·8	65·7	1·6	0·7	·475	·457	90	95	SSW 3	WSW 1	10	3	·010	≋⁰ (mist). ⊕ (parhelia) 4p.-6p. Ⓣ [(parasalena)
10	·90	·87	56·8	59·7	54·3	60·5	0·1	0·3	·459	·501	99	98	E 1	NE 1	10	10	—	⌓² n. Dull, with ≋.
11	·86	·86	66·9	60·0	53·3	75·1	4·0	1·0	·512	·483	78	94	WSW 2	WSW 1	1	4	—	≋ ⌓² n. ⌓ p. Ⓣ 11p.
12	·92	·94	64·1	61·0	58·8	78·6	1·9	1·2	·529	·494	88	93	N 1	WSW 1	8	0	—	⌓² n. and p. ≋⁰ (mist) a. and p.
13	29·95	29·97	69·2	57·9	52·1	74·0	7·1	2·8	·457	·397	63	83	Calm 0	NNW 2	1	2	—	⌓² n. ≋⁰ (mist) till 3p. Fine day.
14	30·03	30·02	58·5	58·1	52·4	65·7	2·8	2·0	·406	·422	82	87	NE 2	NW 1	10	7	—	Dull till noon. ≋⁰ (mist). ⌓⁰ p.
15	·10	·09	55·0	53·8	53·4	60·7	4·0	4·4	·325	·301	75	72	ENE 3	NNE 2	10	9	—	
16	30·08	30·03	52·5	51·0	43·2	63·4	1·7	5·1	·349	·253	89	68	NNE 1	ESE 2	9	0	—	
17	29·87	29·79	59·9	54·7	49·2	62·4	9·3	6·0	·271	·276	52	65	SSE 4	ESE 4	2	1	—	Fine day.
18	·84	·78	60·6	51·8	51·8	63·8	9·0	2·6	·285	·317	54	82	ESE 3	ESE 1	0	0	—	Very fine.
19	·61	·48	58·2	52·5	45·3	59·2	4·0	1·5	·369	·355	76	89	WSW 3	W 3	9	7	·070	≋⁰ (mist) a. Dull 10a.—7p.
20	·47	·43	55·7	48·6	46·1	62·6	6·3	2·7	·283	·277	63	81	WNW 3	W 3	4	2	·040	● showers. ●² 6p.
21	·47	·40	52·0	50·3	42·7	61·2	4·7	2·2	·272	·308	71	85	W 2	WSW 3	9	10	·030	● showers. Clear 11a.—5p. Gloomy [6p.
22	·37	·60	53·5	45·6	45·1	59·2	2·7	3·7	·338	·226	82	74	WNW 2	NNW 2	10	1	·050	●² 9a. and 9p.
23	·61	·30	55·1	54·9	40·3	58·5	4·8	0·1	·307	·428	71	99	SSW 2	S 5	8	10	·780	Clear 11a.—2p. Dull, with ● p. < p.
24	·18	·41	58·3	48·0	48·0	62·6	0·1	1·8	·483	·290	99	87	SSE 3	NNW 4	10	0	·170	≋ n. Dull, with ●.
25	·66	·85	52·0	44·9	42·2	60·5	6·0	2·1	·246	·251	64	85	NNW 4	WNW 1	1	1	—	Very fine and clear.
26	·93	·95	55·6	52·5	41·2	62·7	4·6	1·5	·319	·355	72	89	WSW 3	WSW 2	2	1	—	⊕⁰ 9a.—10a. ⌓ p.
27	·90	·77	56·6	56·9	50·4	66·5	2·3	1·5	·391	·418	85	91	WSW 4	W 4	9	3	—	Dull and gloomy p.
28	·69	·62	55·9	51·4	51·4	59·7	4·7	3·9	·321	·283	71	75	NW 3	NNW 3	9	2	—	⊕ 11.20a.—noon.
29	·62	·63	51·7	48·5	45·3	58·3	3·8	2·9	·288	·272	75	80	NNW 3	NNW 2	6	4	—	
30	29·46	29·51	52·5	49·3	48·3	62·6	0·7	4·1	·375	·255	95	72	WSW 1	N 4	10	0	—	≋⁰ (mist) ● showers a. and p. [Squally p.
Mean	29·765	29·760	58·1	54·5	50·7	64·4	3·3	2·1	·393	·374	80·3	86·2	2·2	2·2	7·2	3·8	1·220	

LONDONDERRY.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·16	30·04	54·7	54·2	48·0	70·0	1·5	1·5	·385	·377	90	90	NE 2	NE 1	10	0	—	Fine day.
2	29·92	29·85	59·7	59·7	53·0	68·7	2·8	2·0	·424	·448	83	88	NE 2	S 1	10	10	—	
3	29·91	30·04	60·5	60·7	57·0	69·7	1·5	1·2	·478	·492	91	93	SW 2	SW 1	10	10	—	
4	30·12	·15	60·9	56·2	55·0	65·0	2·3	1·0	·459	·422	87	93	NW 2	NW 2	10	10	—	
5	·14	·16	61·9	61·7	53·0	66·6	3·5	3·3	·440	·443	80	81	SE 2	SW 3	10	10	—	
6	·19	30·17	58·6	58·7	54·0	68·3	2·3	1·5	·422	·447	86	91	SW 2	SW 2	10	10	—	
7	30·10	29·98	59·7	55·7	51·0	69·7	2·3	2·8	·439	·366	86	82	NE 2	SE 2	0	10	·010	
8	29·86	·81	57·9	59·4	53·0	61·2	2·6	6·7	·402	·319	84	63	SE 3	SW 2	10	10	·150	● in evening.
9	·87	·91	58·7	57·9	54·5	68·3	3·3	2·5	·395	·405	80	84	SW 2	SW 2	7	10	—	
10	·95	·90	61·7	62·0	56·9	71·0	2·3	3·2	·473	·450	86	81	SW 2	SW 2	10	10	·190	
11	29·92	29·97	60·2	55·6	54·5	62·7	1·5	0·8	·472	·419	91	95	NE 1	N 1	10	7	·180	● 11a.—4p.
12	30·03	30·04	60·4	62·5	52·6	76·1	1·7	2·0	·469	·497	90	88	NE 2	Calm 0	4	6	·020	Fine and clear. ● at night.
13	·19	·30	56·7	55·2	54·2	63·0	2·1	2·6	·398	·363	87	84	SW 3	SW 1	10	10	—	
14	·34	·34	55·4	55·7	53·0	62·5	1·0	1·0	·410	·415	93	93	SW 2	SW 2	10	0	·020	◐ 0 in evening.
15	·36	·31	57·1	54·2	52·5	60·9	1·3	2·8	·427	·342	91	81	SE 1	SE 1	10	10	—	
16	30·22	30·02	58·6	54·7	51·6	62·2	3·4	3·2	·391	·340	79	80	SE 2	S 3	10	10	·020	● at night.
17	29·86	29·96	57·0	57·2	53·0	62·3	2·8	2·5	·383	·395	82	84	SSW 3	SW 2	10	0	—	
18	·95	·75	56·4	54·7	52·0	59·7	3·7	2·3	·352	·363	77	85	SSW 4	SW 4	10	10	·460	● at night.
19	·58	·52	51·2	45·7	44·0	56·0	2·0	1·0	·325	·284	86	93	SW 2	SW 2	10	10	·400	▲ showers.
20	·54	·61	48·2	45·0	42·0	52·7	3·2	2·2	·261	·249	78	84	SW 2	SW 2	6	10	·420	▲ showers.
21	·58	·50	45·8	43·7	41·3	50·4	1·6	1·0	·271	·262	88	92	SW 2	SW 3	6	10	·310	▲ 2 ● 2 showers during day.
22	·68	·79	47·0	43·7	38·3	52·6	3·0	1·1	·253	·260	79	91	NE 2	SW 3	10	10	·030	● showers during day.
23	·69	·54	48·4	47·7	39·1	52·7	2·4	1·9	·281	·285	83	87	NE 2	SE 1	10	10	·010	◐ 0 showers during day.
24	·70	29·77	47·2	43·7	40·5	50·3	4·5	3·2	·225	·218	70	76	NNE 2	SW 2	4	0	·070	Fine till 3p., then ● showers.
25	·96	30·01	46·4	45·2	40·5	55·0	2·0	1·0	·269	·278	86	93	N 2	NW 2	8	0	·050	
26	·87	29·88	55·8	57·2	44·0	59·0	0·8	1·2	·422	·431	94	92	SW 2	SW 2	10	10	1·200	● 2 all day.
27	·79	·85	57·2	52·1	51·3	58·3	0·8	2·4	·443	·327	95	83	SW 2	SE 2	10	1	·110	● showers during day.
28	·86	·98	51·6	47·7	45·0	53·7	3·6	2·0	·292	·282	76	86	SW 3	SW 2	8	10	·040	
29	·99	·86	50·2	52·5	44·4	53·7	4·2	0·8	·263	·373	73	95	NW 3	NW 3	10	10	·070	
30	29·85	29·98	52·7	48·9	48·0	59·0	2·5	2·3	·331	·290	83	84	NW 3	SW 2	5	10	—	Fine day.
Mean	29·940	29·933	55·3	53·6	49·3	61·4	2·4	2·1	·375	·361	84·5	86·4	2·2	1·9	8·6	7·8	3·760	

ARMAGH.—SEPTEMBER 1889.

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

1	30·00	29·89	60·0	54·0	45·0	66·5	2·0	0·1	·453	·415	88	99	SW 0·5	ENE 1	10	10	—	≋ a. and p.
2	29·78	·71	58·8	58·8	51·8	63·7	3·2	0·1	·400	·494	81	99	E 1	ESE 1	10	10	·025	
3	·79	29·89	60·9	58·9	57·0	66·3	1·0	0·8	·501	·472	94	96	SE 0·5	ESE 0·5	10	10	·100	Overcast all day.
4	29·98	30·01	57·9	57·7	56·7	63·3	0·2	0·7	·474	·455	99	95	ESE 0·5	ESE 0·5	10	10	—	≋2 till 10a. Overcast all day.
5	30·02	·05	60·0	55·0	52·8	67·5	1·4	1·1	·472	·400	92	92	SE 0·5	S 0·5	7	4	—	
6	30·06	30·04	59·0	50·6	50·0	67·3	1·4	0·5	·455	·355	92	97	S 2	S 0·5	10	0	—	≋2 from 8p.
7	29·97	29·85	61·9	55·0	45·9	65·4	3·7	2·1	·434	·372	78	86	SE 2	SSE 2	3	4	—	
8	·75	·70	57·6	58·8	52·9	60·7	2·2	1·8	·410	·439	85	89	SE 3	SSE 2	10	10	·017	
9	·77	·81	60·9	58·9	54·0	66·7	3·8	1·3	·414	·456	78	92	SW 2	SW 1	7	8	—	
10	·85	·80	60·9	59·8	57·8	69·5	1·6	2·1	·481	·446	91	87	S 1	S 1	10	10	·255	
11	·80	·84	62·0	58·6	57·9	63·9	1·1	0·6	·517	·473	93	95	SSW 1	S 0·5	10	10	·502	
12	29·96	29·94	60·4	56·3	54·6	69·9	1·8	0·2	·466	·448	90	99	S 1	SE 0·5	9	8	—	
13	30·05	30·15	57·9	53·9	53·8	60·6	2·9	1·9	·394	·361	82	87	WNW 1	NNW 1	10	10	—	
14	·20	·19	59·4	54·8	52·9	61·5	3·3	0·4	·405	·418	81	97	NNW 0·5	Calm 0	10	10	—	
15	·23	30·19	56·0	51·7	49·5	58·4	2·0	3·0	·391	·308	87	80	NNW 1	SSE 1	10	10	—	
16	30·11	29·91	56·9	54·3	51·7	60·5	3·1	3·4	·373	·330	81	78	S 2	S 3	10	10	·068	Overcast all day.
17	29·77	·86	55·9	55·6	52·8	61·3	3·2	2·6	·359	·369	80	83	S 3	S 1	10	10	—	Overcast all day.
18	·86	·65	55·3	56·0	47·7	61·5	5·3	2·3	·300	·383	68	85	SSW 1	SW 2	7	10	·382	
19	·47	·42	53·9	44·6	44·2	58·5	2·7	1·9	·340	·252	82	86	WSW 1	WSW 1	8	6	·038	
20	·44	·48	51·0	41·0	40·3	54·5	4·0	1·4	·276	·227	74	89	WNW 1	WNW 1	8	4	—	
21	·45	·58	50·8	41·7	38·0	53·8	4·9	0·6	·256	·251	69	95	W 1	W 1	8	10	·065	
22	·54	·66	51·1	40·1	38·2	54·6	1·0	1·0	·350	·227	93	92	NW 1	NNW 1	2	2	—	
23	·56	·36	47·9	47·6	37·5	52·1	4·0	0·3	·243	·323	73	98	NNW 1	NE 2	10	10	·122	
24	·53	·61	51·0	39·8	39·3	55·0	4·3	1·8	·270	·209	72	86	NNE 1	NNW 2	4	0	·010	
25	·83	·89	51·3	44·0	35·5	56·8	3·7	1·1	·287	·263	76	91	NW 1	NW 1	4	7	·016	
26	·79	·78	55·7	57·7	42·8	59·5	0·8	0·2	·422	·471	95	99	SW 3	SW 2	10	10	·315	
27	·70	·73	57·7	51·8	51·7	60·8	0·7	1·8	·455	·338	95	87	SW 3	W 1	10	10	·175	
28	·73	·81	51·9	45·9	44·9	54·3	3·0	2·0	·311	·265	80	86	NW 2	NNW 1	10	10	—	
29	·81	·73	50·9	50·0	43·7	54·4	3·2	1·1	·293	·346	79	93	NNW 1	NW 1	8	10	·018	
30	29·69	29·82	55·2	43·9	42·8	58·5	4·5	0·9	·317	·266	73	93	NNW 1	N 1	2	8	—	
Mean	29·816	29·805	56·3	51·9	48·1	60·9	2·7	1·3	·384	·361	83·4	91·1	1·4	1·1	8·2	8·0	2·108	

MARKREE CASTLE, SLIGO.—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·05	29·90	62·0	58·4	39·3	70·4	3·7	1·5	·436	·442	79	90	Calm 0	Calm 0	6	10	·020	
2	29·78	·73	63·9	60·1	55·6	65·5	4·7	0·9	·438	·490	73	94	SSE 2	SE 3	10	10	·010	∞ 9a. Overcast day.
3	29·83	29·97	60·9	58·4	58·0	67·4	0·7	0·7	·511	·467	96	96	SSE 0·5	WNW 1	10	10	—	∞ a. Overcast day.
4	30·05	30·07	59·7	50·4	49·9	63·8	3·4	0·5	·408	·354	80	96	W 0·5	Calm 0	10	5	—	
5	·06	·07	59·3	61·6	47·4	66·0	1·4	0·9	·460	·517	91	94	SE 1	SSE 1	10	10	·010	∞ a. Overcast day.
6	30·09	30·07	57·1	59·0	55·0	65·1	1·0	1·0	·436	·467	93	94	SSE 2	SSE 2	10	10	—	Overcast all day. ∞ 9p.
7	29·98	29·87	60·9	55·2	54·7	67·8	3·8	1·9	·414	·381	78	88	SSE 3	SE 3	9	10	·160	∞ a.
8	·72	·73	56·3	54·9	51·4	66·4	0·2	1·1	·448	·400	99	94	SSE 3	SSE 1	10	10	·200	
9	·83	·85	60·8	58·6	51·7	66·4	3·9	1·6	·410	·442	78	90	SSW 1	SSE 0·5	7	10	·010	
10	·82	·82	63·5	59·7	57·7	69·1	2·4	0·4	·502	·499	86	98	SSE 3	SSE 1	10	10	·510	
11	·84	·90	57·9	53·4	52·9	59·7	1·2	0·4	·444	·397	93	97	SSE 0·5	Calm 0	10	10	·200	∞ 9p.
12	29·98	29·98	63·9	62·4	49·8	74·6	2·6	1·5	·503	·512	85	91	SSE 2	SSE 1	7	10	—	≋ before 9a.
13	30·16	30·25	57·1	54·5	53·9	62·4	3·9	2·8	·355	·347	76	81	NW 2	Calm 0	10	10	—	Overcast all day.
14	·28	·26	56·0	56·4	50·6	60·2	3·4	0·9	·355	·428	79	95	NNW 1	N 0·5	10	10	—	Overcast all day.
15	·26	30·20	59·9	55·9	49·1	64·4	3·1	2·3	·419	·383	82	86	ESE 2	SSE 2	8	10	—	∞ 9a.
16	30·13	29·92	57·3	54·2	53·7	60·2	2·3	2·9	·401	·340	85	81	SSE 3	SSE 3	10	10	·010	Overcast all day.
17	29·76	·88	55·8	55·4	53·8	58·9	0·8	1·4	·422	·398	94	91	SSE 2	S 1	10	9	·050	Overcast all day.
18	·90	·73	54·9	54·6	52·1	59·3	2·8	2·0	·353	·370	82	87	S 1	SW 3	10	10	·200	Overcast all day.
19	·57	·54	54·3	45·2	44·3	56·9	3·3	1·3	·331	·271	78	90	WNW 3	W 3	10	9	·680	
20	·55	·59	48·9	47·2	43·0	52·1	2·0	4·1	·299	·233	86	73	NW 3	NW 3	8	8	·170	● showers.
21	·57	·46	52·0	46·0	42·7	53·9	6·4	1·0	·238	·287	62	93	NNW 3	SSW 1	9	10	·330	
22	·66	·74	49·1	38·5	36·8	53·4	3·1	0·5	·275	·223	78	96	NNW 1	NW 0·5	8	7	·050	♊ 0 9p.
23	·57	·41	47·3	49·2	35·2	52·0	2·0	0·8	·278	·329	86	95	SSE 2	NNE 2	10	10	—	Overcast all day.
24	·63	·76	50·2	45·0	43·2	53·2	5·1	3·8	·245	·218	68	73	NNW 4	NNW 4	3	7	·050	
25	·93	·96	51·2	41·8	39·3	53·9	3·9	0·5	·281	·254	75	96	NNW 0·5	W 0·5	9	10	·090	
26	·87	·87	56·4	58·1	41·0	59·9	0·5	0·7	·440	·461	97	95	SSW 2	SSW 2	10	10	·200	
27	·79	·87	58·2	53·0	51·8	59·1	0·5	2·7	·470	·330	97	82	WSW 2	WNW 3	10	10	·080	● a. Overcast all day.
28	·87	·93	53·1	48·7	48·0	55·0	4·7	1·6	·285	·304	70	89	NNW 4	NNW 4	10	10	·050	Overcast all day. ● showers p.
29	·96	·88	53·0	51·9	45·7	53·3	5·2	0·6	·273	·370	68	96	NNW 3	NNW 2	10	10	·090	Overcast all day.
30	29·79	29·92	54·7	49·8	49·2	57·3	3·6	3·1	·331	·282	78	80	NNW 5	NNE 1	6	10	·010	
Mean	29·875	29·871	56·5	53·3	48·6	60·9	2·9	1·5	·382	·373	82·4	90·0	2·1	1·6	9·0	9·5	3·180	

DUBLIN (PHŒNIX PARK).—SEPTEMBER 1889.

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

1	30·04	29·92	56·4	54·4	40·6	63·3	1·4	0·5	·413	·410	91	97	Calm 0	Calm 0	10	10	—	≋0 p.
2	29·80	·75	60·4	59·6	53·9	63·6	2·6	1·1	·442	·476	85	93	ENE 1	Calm 0	7	10	·015	Cloudy a. Dull, with ● 0 p.
3	29·84	29·94	60·4	58·5	57·6	66·2	1·9	1·1	·463	·455	89	93	Calm 0	Calm 0	10	9	·005	Dull all day. ≋0 p.
4	30·03	30·08	59·2	53·5	53·1	65·2	1·5	0·3	·455	·401	91	97	Calm 0	Calm 0	10	10	·005	Cloudy day. ≋0 p.
5	·09	·11	56·4	54·9	51·9	59·8	0·6	0·3	·437	·422	97	98	Calm 0	Calm 0	10	10	·005	Cloudy, with ≋0.
6	·13	30·10	56·5	53·0	51·7	65·3	0·7	0·2	·436	·397	96	99	Calm 0	Calm 0	10	10	·005	Dull, with ≋0 a. ≋2 p.
7	30·01	29·92	59·2	51·4	47·9	63·9	2·4	0·8	·428	·359	86	94	E 1	Calm 0	5	7	—	Beautiful day. ≋0 p.
8	29·83	·78	58·3	59·9	49·1	62·5	2·3	4·1	·417	·392	85	76	SE 1	SSW 1	10	8	·050	Dull a. Cloudy p.
9	·85	·90	61·3	60·1	54·3	68·5	3·9	2·6	·419	·437	77	84	SSW 1	SSW 1	7	9	—	Beautiful day.
10	·91	·87	66·3	55·0	52·7	72·0	4·8	0·6	·477	·415	74	96	Calm 0	Calm 0	7	7	·010	Cloudy a. Bright p.
11	29·87	29·88	63·3	64·6	53·3	68·8	1·6	2·1	·526	·534	90	87	Calm 0	WSW 1	10	10	·005	● 0 a. Dull day.
12	30·03	30·00	61·4	54·7	54·5	69·7	1·2	0·8	·504	·406	93	95	Calm 0	Calm 0	10	4	—	Dull a. Bright p.
13	·12	·20	58·7	54·6	54·1	59·8	3·3	3·0	·395	·345	79	81	WNW 1	Calm 0	9	9	—	
14	·25	·24	55·5	55·4	53·1	63·0	2·0	0·9	·384	·413	87	95	Calm 0	Calm 0	10	10	·005	
15	·28	·26	57·2	54·6	49·1	59·0	2·7	3·1	·389	·342	85	80	E 1	Calm 0	9	10	—	Cloudy a. Dull p.
16	30·19	30·03	59·1	54·5	51·9	62·6	4·5	2·9	·369	·345	73	81	Calm 0	Calm 0	9	10	·005	
17	29·87	29·92	56·1	50·4	50·1	59·6	4·2	1·4	·337	·330	74	90	SSE 1	Calm 0	10	3	—	Dull and cloudy.
18	·96	·80	55·1	54·4	36·8	62·3	4·6	4·0	·313	·317	72	74	SSW 1	SW 1	2	6	·415	Beautiful day.
19	·61	·55	49·6	47·6	46·7	58·7	1·1	2·5	·327	·270	93	83	WSW 1	W 1	10	2	—	Dull a. Cloudy p.
20	·54	·56	49·6	43·7	40·9	54·0	3·9	2·0	·264	·242	74	85	WSW 2	W 1	3	2	·040	Cloudy day. ● 0 showers p.
21	·56	·46	48·0	45·3	37·5	54·0	3·1	0·6	·261	·289	78	96	WSW 1	WSW 1	4	3	·040	Bright a. Cloudy, with ● 0 showers p.
22	·61	·73	47·6	40·0	39·9	54·6	3·9	1·3	·242	·220	73	90	WNW 1	Calm 0	1	1	—	Beautiful day.
23	·64	·33	49·4	55·5	36·5	59·7	3·1	1·4	·279	·400	79	91	Calm 0	Calm 0	9	10	·250	Dull, with ≋0 a. ● 0 p.
24	·53	·69	48·5	44·1	43·5	59·6	2·6	3·6	·279	·214	82	73	N 2	NW 1	7	0	—	Beautiful day.
25	·89	·97	47·2	43·3	36·1	55·1	3·4	1·4	·247	·250	77	89	W 1	Calm 0	1	0	·015	Beautiful day.
26	·92	·91	53·5	59·5	41·1	62·0	1·8	2·3	·359	·435	88	86	SW 1	WSW 2	10	10	·035	Dull and cloudy.
27	·84	·85	59·6	51·1	51·0	60·6	3·0	1·6	·417	·335	82	89	W 2	W 1	10	3	·085	Dull, with ● 0 showers.
28	·82	·88	51·4	45·3	45·2	55·3	2·9	1·8	·307	·261	81	87	W 1	WNW 1	10	3	·010	Cloudy day. ● 0 showers p.
29	·88	·82	49·6	47·2	42·5	52·9	3·9	1·8	·264	·282	74	88	NW 1	WNW 1	7	3	·005	
30	29·70	29·83	53·5	48·6	46·7	58·8	3·7	2·1	·311	·292	76	86	NW 1	Calm 0	7	3	—	Beautiful day.
Mean	29·887	29·875	55·6	52·5	47·4	61·3	2·8	1·7	·372	·356	82·6	88·4	0·7	0·4	7·8	6·4	1·005	

PARSONSTOWN (BIRR CASTLE).—SEPTEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	ins.	ins.	%	%					ins.	
1	29·98	29·86	59·2	58·6	49·7	71·9	4·3	6·7	·375	·311	75	64	SE 1	NE 1	1	10	—	Fine and warm. ∞
2	·72	·70	64·5	59·8	56·2	64·3	6·2	1·0	·405	·482	67	94	SE 1	Calm 0	9	10	·030	Mild and damp. ∞
3	29·81	29·95	60·7	54·2	54·0	64·8	1·0	1·2	·407	·385	94	92	Calm 0	Calm 0	10	2	—	Close, with ≋0 (mist) *a*.
4	30·02	30·05	58·7	53·9	51·1	66·4	3·4	1·0	·392	·387	79	93	Calm 0	Calm 0	10	0	—	Fair and mild. ∞
5	·05	·06	61·5	58·7	48·9	67·3	3·4	2·4	·436	·420	80	85	Calm 0	SE 2	9	10	—	Dull and close. ∞
6	30·07	30·04	58·7	57·0	55·1	67·7	2·5	1·2	·417	·428	84	92	SE 1	Calm 0	10	0	—	Dull and close. ∞ 2 in evening.
7	29·96	29·86	61·7	53·6	52·8	66·8	4·7	1·8	·402	·361	73	88	SSE 1	SE 2	1	10	·030	Fair, with fresh breeze. ≋0 (mist).
8	·73	·74	59·3	55·9	52·4	68·3	2·2	1·7	·435	·398	87	89	SE 2	SE 1	10	2	·020	Warm, with ● showers. ▲ 2,3*op*.
9	·83	·86	61·1	58·7	52·9	68·8	3·8	1·5	·418	·446	78	90	SW 1	SSE 2	9	10	—	[but windy.
10	·85	·88	62·3	60·6	56·8	67·7	2·4	2·2	·480	·458	85	86	SE 2	SSE 2	10	10	·062	Damp, with ≋0 (mist) *a*. Day fair,
11	·82	·88	61·6	62·6	58·6	66·6	0·7	1·5	·524	·516	95	91	Calm 0	Calm 0	10	10	·040	Close, warm, and damp. ≋0 (mist).
12	29·96	29·99	65·4	59·1	56·4	74·3	3·1	1·8	·516	·444	83	89	SE 1	Calm 0	1	1	—	Fine and bright.
13	30·13	30·21	57·6	54·8	54·2	63·3	3·4	3·0	·377	·348	79	81	NNW 1	Calm 0	10	10	—	Dull *a*. Bright *p*.
14	·24	·21	54·8	53·8	51·7	61·5	4·1	1·9	·321	·361	75	87	NNE 1	Calm 0	10	9	—	Fine and mild.
15	·21	30·09	62·6	58·0	49·8	63·7	3·9	2·2	·408	·415	78	86	SE 1	SSW 2	1	10	—	Mild, with ≋0 (mist).
16	30·15	29·95	57·3	55·9	54·9	62·1	3·2	3·0	·377	·364	80	81	Calm 0	S 3	10	10	·138	≋0 (mist) *a*. Dull day.
17	29·97	·88	56·4	55·6	53·7	59·0	2·4	2·8	·385	·365	85	82	SE 3	SSE 3	10	10	—	Dull, windy, and damp.
18	·92	·79	55·0	55·1	42·8	63·3	4·1	2·3	·323	·369	75	85	Calm 0	SW 3	1	10	·252	Fine and bright.
19	·61	·58	51·7	48·0	46·8	57·7	1·6	2·2	·342	·281	89	85	SW 1	WSW 1	10	3	·030	≋0 (mist) *a*. and *p*. ● showers.
20	·58	·61	50·9	43·6	42·0	53·4	4·6	1·9	·262	·243	71	86	W 1	WNW 3	4	7	·179	Squally, with ● 2 showers. ▲ 2 2,3*op*.
21	·59	·48	50·3	47·8	41·0	53·9	4·3	1·0	·262	·308	72	93	WNW 1	Calm 0	8	10	·031	Bright *a*. Dull, with ● *p*.
22	·64	·73	48·4	43·3	40·0	55·1	3·5	1·2	·258	·256	76	92	NW 1	Calm 0	0	0	—	Fine and bright, but cold. ♆ 9*p*.
23	·58	·31	48·8	53·1	40·1	55·6	2·7	0·6	·280	·388	81	96	Calm 0	Calm 0	10	10	·120	● all day.
24	·55	·71	49·7	44·7	44·3	55·7	3·6	3·1	·270	·229	76	77	NNW 1	NW 3	0	0	—	Cold, bright, and windy.
25	·90	·97	48·9	43·0	35·7	54·7	3·6	1·2	·263	·251	76	90	NW 2	Calm 0	8	10	—	Bright and cool. ∞ in evening.
26	·93	·93	54·8	57·4	42·0	59·9	1·3	0·8	·393	·448	92	95	SW 1	SW 3	10	10	·020	Close, damp, and windy.
27	·87	·88	59·0	54·1	53·8	59·8	1·8	1·9	·442	·365	89	86	SW 2	WSW 1	10	10	·023	Mild, close, and damp. ≋0 (mist).
28	·88	·91	52·6	47·5	46·8	55·7	3·7	1·5	·302	·291	76	89	NW 2	NNW 2	10	10	—	Dull and windy.
29	·92	·88	51·4	49·8	44·8	54·9	5·3	1·9	·253	·310	67	87	NNW 2	W 2	7	10	·018	Bright and cool.
30	29·75	29·85	54·6	47·9	47·7	59·7	2·8	2·7	·350	·269	82	81	NW 2	Calm 0	9	4	—	Bright and windy.
Mean	29·866	29·860	56·6	53·5	48·9	62·1	3·3	2·0	·372	·363	80·0	87·1	1·1	1·2	7·3	7·3	0·993	

SWANBISTER.—OCTOBER 1889.

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. Gravity Correction, + ·036.

1	30·08	30·09	47·8	46·5	43·4	52·9	1·4	1·5	·298	·281	90	90	N 2	NNE 1	7	8	·010	●0 showers *a*.
2	29·94	29·77	48·8	45·3	44·3	51·1	1·8	1·3	·300	·272	87	90	NNW 1	NNE 1	8	10	·010	
3	·69	·64	49·1	50·8	43·6	52·1	1·7	0·1	·307	·369	88	99	N 1	N 3	10	10	·480	
4	·50	·55	52·2	50·9	49·2	52·9	0·2	0·9	·385	·349	99	94	NE 2	ESE 3	9	4	·150	
5	·53	·45	51·8	50·8	44·3	52·7	1·5	1·2	·346	·340	89	91	S 3	SSE 3	2	6	·010	
6	29·35	29·33	49·6	44·5	42·4	51·7	1·6	1·4	·314	·261	89	90	SSW 3	WSW 1	10	1	·190	⊕. ⊔ 10*p*.
7	28·85	28·56	49·9	48·8	42·6	51·8	1·3	0·6	·325	·330	91	95	E 6	ENE 1	10	7	·710	
8	·74	·87	48·7	47·0	43·8	50·9	2·9	3·8	·275	·237	80	74	WSW 6	S 5	7	6	·030	
9	28·76	28·76	47·0	45·1	43·5	49·5	2·4	2·1	·266	·252	83	84	E 3	NE 1	10	10	·700	
10	29·02	29·21	47·4	43·8	42·0	51·1	3·3	0·8	·251	·267	78	94	SSW 3	S 1	2	5	·050	
11	·31	·47	48·0	45·5	39·0	51·1	1·4	0·8	·299	·286	90	95	WNW 1	WNW 1	10	6	·150	
12	·60	·62	52·0	47·2	44·7	53·9	2·4	1·2	·325	·295	84	92	NNE 2	N 3	3	4	·010	
13	·73	·84	48·2	38·0	36·9	51·1	3·6	1·0	·253	·208	76	91	N 1	N 1	7	2	—	
14	·84	·78	50·0	46·3	36·3	52·1	4·0	3·1	·265	·245	74	78	SE 2	SSE 1	3	7	—	
15	·64	·51	49·8	50·1	44·9	50·6	2·3	1·1	·300	·333	84	92	ESE 5	SSE 5	10	10	·100	
16	·56	·65	48·2	48·0	42·6	52·4	0·9	1·0	·315	·309	94	93	SSW 1	S 1	8	8	·100	
17	·67	·63	49·0	50·0	46·0	51·6	0·6	1·0	·332	·334	96	93	N 2	SE 5	10	10	·340	
18	·56	·55	51·3	51·0	42·6	52·6	1·7	1·0	·334	·348	88	93	SSE 4	ESE 4	3	10	·160	
19	·50	·49	49·6	50·6	48·3	51·1	0·7	1·0	·337	·343	95	93	E 5	E 5	10	10	·060	
20	·51	·63	51·0	50·1	49·5	52·2	2·0	1·1	·323	·333	86	92	E 7	E 4	10	10	·060	Very dark all day.
21	·66	·79	50·2	48·5	46·8	51·1	1·0	1·6	·337	·302	93	89	E 3	ENE 2	8	10	—	
22	·82	·88	50·0	43·8	43·0	52·0	2·6	1·1	·295	·261	82	92	NNE 2	NE 1	7	3	·180	
23	29·92	29·97	45·3	41·5	40·8	46·8	1·0	1·1	·279	·239	92	92	NNE 2	N 1	10	2	·030	
24	30·08	30·18	43·3	43·9	37·6	49·6	0·7	2·5	·265	·233	95	81	SW 1	S 3	6	0	·010	
25	·29	·34	40·2	44·5	36·4	48·1	0·9	4·9	·230	·195	92	67	W 1	SSW 3	7	10	·010	
26	·36	·34	44·0	42·2	40·5	48·3	1·7	1·8	·250	·231	86	86	SSW 1	S 3	5	10	·140	
27	30·23	30·02	44·2	44·2	41·2	44·4	3·2	2·6	·222	·234	76	80	SSE 3	SE 1	8	10	·020	
28	29·83	29·64	40·1	44·0	35·6	46·1	1·1	2·0	·225	·244	91	84	Calm 0	SSW 1	2	10	—	
29	·47	·41	46·0	48·5	41·0	49·1	1·0	1·5	·287	·304	93	90	SSW 6	SSW 3	10	10	·020	Overcast all day.
30	·24	·21	49·9	45·2	44·2	52·1	1·4	1·1	·323	·275	91	92	S 5	W 1	10	10	·080	Overcast all day.
31	29·42	29·42	45·0	49·1	41·3	50·7	3·1	2·6	·231	·286	77	82	SSW 4	S 5	1	8	—	
Mean	29·604	29·600	48·0	46·6	42·5	50·8	1·8	1·6	·293	·284	87·4	88·6	2·8	2·4	7·2	7·3	3·810	

DUNROBIN CASTLE.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·14	30·10	51·0	46·2	44·7	56·0	4·0	2·9	·276	·247	74	79	W	NW	—	—	—	Fine day.
2	30·03	29·83	48·5	46·9	43·7	54·0	2·5	2·4	·280	·265	82	84	NW	NW	—	—	—	Fine *a*. Dull *p*.
3	29·74	·70	47·0	49·5	43·7	53·7	1·5	3·8	·287	·265	90	74	NW	NW	—	—	·700	Dull *a*. Cloudy, with ● *p*.
4	·57	·55	51·5	52·5	47·7	55·0	1·2	4·5	·349	·282	91	71	NW	NW	—	—	·090	● *a*. Cloudy *p*.
5	·55	·54	52·5	48·3	46·7	54·3	1·5	2·0	·354	·289	89	86	NW	NE	—	—	·080	Dull and cloudy.
6	29·47	29·30	48·5	45·2	44·2	55·5	1·2	1·7	·311	·262	91	88	E	E	—	—	·420	Dull and mild.
7	28·79	28·76	50·5	46·9	43·9	52·5	2·2	2·6	·312	·261	85	82	SE	NW	—	—	·810	● *a*. Cloudy *p*.
8	·93	·95	47·5	40·0	39·7	51·5	4·0	1·7	·238	·213	73	86	NW	N	—	—	—	Fine and clear.
9	28·84	28·91	49·5	43·4	36·7	51·5	5·5	2·7	·230	·224	65	79	SE	SE	—	—	·100	Fine *a*. Cold, with ● *p*.
10	29·09	29·35	44·0	46·4	34·5	50·5	2·3	1·7	·238	·275	82	88	W	NE	—	—	—	Fine *a*. Cold *p*.
11	·40	·60	48·3	45·4	45·4	51·3	2·3	1·9	·282	·260	84	87	NW	NW	—	—	—	Dull and cloudy *a*. Fine *p*.
12	·66	·70	51·5	46·6	41·7	53·0	3·0	2·6	·305	·258	80	82	NE	NE	—	—	—	Fine day.
13	·79	·91	49·5	43·4	42·7	54·3	3·5	1·9	·270	·241	76	85	N	N	—	—	—	Fine day.
14	·91	·85	41·4	46·9	35·5	50·5	0·9	2·2	·242	·269	93	85	NW	NE	—	—	—	Fine *a*. Cold and clear *p*.
15	·73	·61	46·4	49·5	38·0	50·0	1·9	3·0	·271	·281	87	80	NE	NE	—	—	·190	Dull *a*. Cloudy *p*.
16	·64	·72	48·3	49·0	38·6	51·7	1·0	1·5	·314	·310	93	90	NE	NE	—	—	—	Cloudy.
17	·75	·72	50·5	48·7	43·2	52·7	1·8	1·2	·322	·314	88	92	SE	NE	—	—	·100	Fine *a*. Dull *p*.
18	·63	·57	48·5	51·5	46·7	53·0	1·5	1·2	·303	·349	89	91	SE	E	—	—	·050	Dull day.
19	·52	·51	51·5	50·5	47·9	52·7	1·2	2·0	·349	·317	91	87	SE	E	—	—	·200	Dull *a*. Windy *p*.
20	·48	·64	52·0	54·0	50·5	54·7	2·5	3·0	·323	·334	83	80	SE	E	—	—	—	Dull *a*. Windy *p*.
21	·69	·84	52·5	51·3	49·0	54·0	3·0	2·0	·317	·327	80	86	E	SE	—	—	·150	Dull *p*.
22	·86	29·95	52·5	45·4	45·4	53·5	4·5	1·9	·282	·260	71	87	SE	SE	—	—	—	Fine *a*. Clear *p*.
23	29·98	30·09	49·0	42·4	41·7	53·5	3·5	1·1	·266	·248	76	91	NE	NE	—	—	—	Fine *a*. Clear *p*.
24	30·15	·24	42·4	46·2	38·9	49·3	0·9	3·9	·252	·229	93	74	N	W	—	—	—	Fine *a*. Cold *p*.
25	·34	·41	40·3	44·9	33·5	47·5	3·1	4·4	·190	·208	76	69	N	N	—	—	—	⊔ *a*. Clear *p*.
26	·40	·40	42·5	44·2	35·7	46·3	2·2	3·7	·226	·213	83	73	NE	NW	—	—	—	Dull day.
27	30·25	30·12	45·5	41·9	37·0	46·5	4·5	2·4	·210	·218	69	83	SE	NE	—	—	—	Fine *a*. Dull *p*.
28	29·95	29·81	42·3	40·4	32·7	48·0	2·8	1·9	·213	·213	80	85	NE	N	—	—	—	⊔ *a*. Fine *p*.
29	·58	·53	46·0	45·6	39·7	51·0	2·5	1·1	·255	·281	83	92	W	NW	—	—	—	Fine and sunny *a*. Dull *p*.
30	·35	·34	49·3	43·9	43·7	53·5	2·8	2·2	·284	·240	81	84	NE	W	—	—	·230	Cloudy *a*. Mild *p*.
31	29·52	29·45	44·5	51·0	37·6	53·5	3·2	3·5	·225	·288	76	77	NW	W	—	—	—	Clear and cold *a*. Dull *p*.
Mean	29·668	29·670	47·9	46·7	41·6	52·1	2·5	2·4	·277	·266	82·4	83·1	—	—	—	—	3·120	

BRAEMAR.—OCTOBER 1889.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.
Long. 3° 24′ W. Lat. 57° 0′ N. Gravity Correction, + ·027.

1	28·88	28·91	43·8	42·3	40·9	50·9	1·5	1·0	·253	·249	88	92	NE 0·5	NE 0·5	8	3	—	Fine day.
2	·81	·65	39·3	42·6	34·4	54·5	1·6	1·7	·209	·237	88	86	NE 0·5	NE 0·5	1	8	—	Fine day.
3	·61	·51	41·6	44·6	39·5	48·8	0·8	2·9	·247	·232	94	78	NE 0·5	NE 0·5	6	8	·030	Fine day.
4	·30	·31	48·9	45·8	44·0	50·1	2·2	1·3	·294	·279	85	91	NE 0·5	E 0·5	8	10	·150	Dull and damp.
5	·37	·40	45·2	46·0	43·3	49·3	1·8	1·5	·259	·276	87	90	SE 1	E 0·5	9	8	·050	Fine day.
6	28·34	28·31	47·0	42·9	40·7	53·5	1·9	2·2	·277	·230	87	83	S 0·5	NW 0·5	8	8	·390	Fine day.
7	27·62	27·66	47·5	44·3	42·0	53·5	0·5	2·8	·316	·231	97	79	E 0·5	W 4	8	8	·090	Dull, with ●.
8	·83	·80	41·6	38·6	38·3	47·7	3·1	1·1	·202	·213	77	91	SW 4	SW 0·5	4	10	·150	● showers.
9	·68	27·72	38·6	39·6	33·7	43·7	2·1	2·1	·194	·203	83	83	W 2	SW 2	6	6	·030	●0 showers.
10	27·93	28·12	37·4	41·6	34·1	50·2	0·9	0·9	·206	·244	92	93	SW 0·5	SW 0·5	7	6	·010	●0 showers.
11	28·21	·32	39·9	39·4	34·4	50·9	0·7	0·6	·229	·230	95	95	SW 0·5	SW 0·5	8	8	—	Fine day.
12	·42	·44	39·4	40·8	34·8	47·8	2·6	0·3	·191	·248	80	98	SW 0·5	SW 0·5	10	5	·020	≋ 9*a*. Fine, then dull.
13	·55	·68	43·6	36·5	36·5	47·9	2·1	0·5	·239	·206	84	96	SW 1	SW 0·5	4	4	—	Fine day.
14	·65	·60	29·2	37·4	24·7	46·5	0·5	0·8	·147	·208	92	93	NE 0·5	NE 0·5	7	4	—	Fine day.
15	·54	·42	36·7	45·4	31·7	46·3	0·3	0·9	·213	·283	98	94	NE 0·5	S 0·5	8	0	—	Dull and damp.
16	·45	·47	41·4	41·8	39·2	50·4	0·7	0·3	·246	·258	95	98	S 0·5	NE 0·5	9	10	—	Dull and damp. ≋ 9*p*.
17	·48	·44	36·4	44·4	34·5	48·7	0·7	0·6	·202	·278	94	95	S 0·5	S 0·5	10	10	·100	≋0 (mist) 9*a*. Dull and damp.
18	·38	·30	44·4	46·6	36·6	48·5	1·9	2·8	·251	·254	86	81	S 0·5	SW 0·5	7	6	·200	Dull and damp.
19	·22	·16	46·2	44·8	44·6	50·0	0·0	1·6	·313	·260	100	88	E 0·5	E 1	10	10	·610	Dull and damp. ≋0 (mist) 9*p*.
20	·22	·35	45·6	46·4	44·0	48·5	2·1	1·7	·259	·275	85	88	E 0·5	NE 2	8	9	·590	Dull ,with ● showers. T 1*p*.
21	·38	·51	45·3	44·0	43·6	48·7	1·8	1·4	·261	·266	87	90	E 0·5	E 0·5	8	10	·510	
22	·62	·66	43·9	41·4	40·4	50·3	2·2	1·1	·240	·238	83	91	E 2	NE 0·5	6	10	—	Fine day.
23	·70	28·77	41·9	39·4	29·4	43·8	1·4	0·6	·237	·230	90	95	NE 2	NE 0·5	7	8	·260	
24	28·90	29·04	35·5	31·6	31·0	43·7	0·3	1·1	·200	·153	98	86	NE 0·5	NE 0·5	10	2	—	≋ 9*a*. Fine day.
25	29·14	·21	31·3	33·7	27·2	40·5	0·6	1·2	·162	·169	92	87	NE 0·5	NE 0·5	7	2	·020	Fine day. Snow on hills.
26	·21	29·15	33·9	35·1	32·1	40·2	1·5	0·6	·163	·193	84	94	NE 0·5	NE 0·5	7	4	·080	Cold, with ● showers.
27	29·06	28·87	35·5	37·6	34·2	39·4	0·8	1·1	·193	·204	93	91	NE 0·5	NE 0·5	8	8	·020	Dull and damp.
28	28·75	·64	33·7	30·7	30·7	43·7	1·0	1·0	·173	·146	89	85	NE 0·5	NE 0·5	4	2	·030	Fine day.
29	·53	·38	37·0	46·6	30·4	46·7	2·3	1·9	·177	·273	81	87	NE 0·5	SW 4	8	8	·020	Fine day.
30	·23	·18	48·7	41·8	41·7	51·2	1·2	1·3	·314	·238	92	90	SW 6	SW 4	9	9	·180	Dull and damp. ● showers.
31	28·42	28·43	39·6	45·3	37·3	47·1	2·6	2·8	·193	·241	79	80	SW 1	SW 4	1	8	·040	Fine, but cold.
Mean	28·465	28·465	40·6	41·3	36·4	47·8	1·4	1·3	·228	·234	88·9	89·3	1·0	1·1	7·1	6·8	3·580	

LAUDALE.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·13	30·11	48·1	43·0	36·9	50·3	3·1	2·0	·262	·234	78	84	Calm 0	E 1	2	0	—	Fine and bright all day.
2	30·00	29·84	44·0	46·4	38·6	54·8	1·8	1·4	·248	·282	86	90	Calm 0	SW 1	8	10	—	
3	29·69	·72	49·0	43·8	42·7	53·0	4·8	1·0	·239	·263	68	92	Calm 0	N 1	10	3	·030	Dull all day.
4	·58	·49	50·8	49·0	40·8	53·9	1·2	0·8	·340	·327	91	94	NNW 1	NW 1	10	9	·150	Mild, with ● showers.
5	·49	·55	50·4	49·2	47·3	56·4	2·1	1·2	·313	·319	86	92	E 1	SW 1	10	10	·300	
6	29·50	29·33	51·0	50·4	47·5	58·3	2·0	1·8	·323	·320	86	88	NW 4	SW 1	9	10	·580	●² showers *a.* and *p.*
7	28·78	28·83	48·8	49·4	46·9	58·0	1·6	3·4	·305	·272	88	77	W 3	NNW 4	10	10	·640	↗ (gale) *2a.—4a.*
8	29·02	·83	48·2	47·0	36·0	56·2	2·2	1·8	·283	·280	85	87	NNW 3	N 2	10	10	1·040	Cold, with ● showers. Snow on hills.
9	28·83	28·86	47·0	41·7	40·7	48·0	6·8	1·3	·184	·236	57	90	Calm 0	E 1	10	3	·020	Dull till *5p.*
10	29·03	29·27	46·0	44·9	41·0	52·2	1·1	1·7	·285	·258	92	87	ESE 2	S 1	10	8	·210	● showers all day.
11	·41	·49	46·3	41·2	40·3	54·4	0·4	0·6	·305	·246	97	95	Calm 0	Calm 0	8	0	—	
12	·61	·68	38·0	41·9	35·3	54·7	0·1	0·9	·226	·246	99	93	Calm 0	Calm 0	2	2	·020	⌊ *a.* Fine and clear all day.
13	·77	·88	44·4	45·2	36·0	56·0	0·4	1·2	·283	·273	97	91	Calm 0	Calm 0	9	9	—	● showers early *a.* Fine day.
14	·88	·81	48·2	48·8	40·0	56·2	3·2	2·8	·261	·278	78	80	E 2	E 2	10	10	·020	Cloudy all day.
15	·63	·61	49·8	49·0	39·7	52·2	2·5	1·8	·295	·303	83	87	S 4	Calm 0	10	10	·320	↗ ● *a.* Gloomy day. ●.
16	·62	·68	51·8	44·9	40·2	55·0	3·8	0·9	·289	·276	75	93	E 2	SE 1	7	3	—	
17	·71	·65	41·4	41·0	40·5	55·7	0·8	0·8	·244	·239	94	94	E 1	Calm 0	2	2	—	Fine and clear.
18	·52	·38	50·2	54·0	40·0	54·9	3·2	6·8	·284	·252	79	60	E 3	E 2	9	3	—	Threatening appearance all day. ∞
19	·36	·32	52·3	52·1	44·2	55·0	4·3	5·1	·284	·265	73	69	E 3	E 4	9	7	·020	↗ most of day.
20	·28	·45	52·8	53·0	49·7	59·8	3·0	3·2	·320	·317	80	79	E 4	E 4	9	7	—	↗ all day.
21	·62	·67	51·8	49·9	49·0	54·8	2·5	0·2	·321	·354	83	99	E 3	E 2	7	10	—	Fine day.
22	·80	·88	50·0	46·9	43·0	55·9	4·0	2·9	·265	·254	74	80	E 4	SE 1	5	5	—	
23	29·92	29·99	45·5	45·0	43·0	57·5	2·6	1·0	·247	·275	81	92	SE 1	Calm 0	6	10	—	Fine all day.
24	30·10	30·19	44·2	39·0	39·0	49·0	1·1	1·0	·265	·218	92	92	SE 1	S 1	10	1	—	Fine and clear all day.
25	·28	·33	38·3	41·6	37·2	48·2	1·5	2·5	·201	·211	87	81	SE 1	SE 1	0	2	—	⌊ *a.* Cloudy day.
26	·35	·31	42·5	43·3	40·9	47·3	3·6	3·1	·200	·216	74	77	E 1	E 2	3	2	—	Fine all day.
27	30·23	30·06	38·3	39·5	38·3	57·7	1·5	1·5	·201	·212	87	88	Calm 0	Calm 0	3	1	—	Bright and clear.
28	29·94	29·79	32·0	44·0	29·0	55·0	0·3	2·0	·175	·244	96	84	E 1	S 2	2	10	·080	Cold and clear.
29	·60	·55	46·3	49·9	42·2	51·1	1·8	2·0	·272	·308	88	86	S 5	SW 2	10	10	·350	↗ ● *a.* and *p.* ≋⁰ (mist) *p*
30	·33	·34	52·6	42·0	41·9	54·4	1·6	0·8	·353	·249	89	94	SSW 3	Calm 0	10	10	·820	≋⁰ (mist) ● all day.
31	29·58	29·52	49·5	51·2	40·7	52·3	3·5	2·7	·271	·309	77	82	W 3	SW 3	4	10	·620	≋⁰ (mist) *a.* ●² showers all day.
Mean	29·632	29·623	46·8	46·1	40·9	54·3	2·3	1·9	·269	·269	83·9	86·4	1·8	1·3	7·2	6·4	5·220	

DUNDEE.—OCTOBER 1889.

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

1	29·93	29·94	49·9	44·4	42·5	54·1	3·4	1·9	·277	·251	78	86	NE 2	NE 1	5	10	—	
2	·83	·66	45·3	42·1	37·3	58·6	2·2	0·7	·252	·253	84	94	SE 1	NW 1	7	7	—	
3	·58	·49	45·3	46·5	40·2	53·4	1·8	2·3	·261	·263	87	83	S 1	SE 1	10	10	·250	Dull day.
4	·32	·32	48·3	47·4	44·9	54·0	0·9	0·5	·316	·316	94	96	NW 1	SE 1	10	10	·500	●⁰ showers *a.* ● *1.30p.—9p.*
5	·38	·39	49·9	49·5	43·9	59·0	1·0	2·0	·333	·304	93	87	SE 1	W 1	10	10	·050	
6	29·36	29·29	48·9	47·5	46·1	58·1	1·6	1·2	·307	·299	89	91	SW 1	W 1	10	10	·250	
7	28·53	28·66	51·6	47·3	46·5	52·5	1·5	3·1	·343	·254	90	78	SE 2	NW 6	10	10	·250	● showers till *4.30p.*
8	·91	·80	43·8	41·4	41·1	48·4	2·4	1·0	·234	·240	81	92	W 2	SW 1	5	10	·050	● showers during day.
9	·67	28·71	42·5	41·5	35·9	45·8	1·7	0·9	·236	·243	87	93	SE 1	W 1	5	10	·100	● showers from noon.
10	28·96	29·13	47·1	41·7	34·2	53·5	1·6	0·0	·286	·264	89	100	SE 1	W 1	5	10	—	
11	29·28	·36	41·8	44·5	35·3	54·2	1·0	0·5	·245	·281	92	96	W 1	W 1	5	7	—	Fine day.
12	·42	·46	45·5	46·7	39·7	53·4	1·5	2·2	·270	·268	89	85	NE 1	NE 1	10	10	·050	● showers from *4p.*
13	·59	·73	44·5	43·1	40·4	54·2	2·2	1·4	·244	·248	83	89	NW 1	NE 1	5	5	—	Fine day.
14	·76	·68	39·7	42·0	32·7	53·0	1·2	1·2	·220	·241	90	91	SW 1	E 1	0	10	—	Fine day.
15	·59	·47	44·8	48·7	39·1	50·4	1·3	0·5	·267	·332	90	96	NE 1	SE 1	10	10	·050	● showers from 2.30p.
16	·51	·54	48·7	47·1	45·2	52·3	0·5	0·1	·332	·322	96	99	W 1	W 1	10	10	—	Dull day.
17	·57	·49	45·5	48·7	42·7	49·5	0·9	2·2	·284	·291	94	85	SW 1	W 1	10	10	·050	≋. ● *2.30p.—6p.*
18	·46	·34	47·3	49·2	47·3	51·2	0·6	1·0	·312	·324	96	93	SE 1	SE 4	10	10	·150	Dull day. ≋
19	·24	·20	49·5	49·7	47·3	51·7	0·6	2·0	·338	·307	95	87	SE 2	SE 6	10	10	·200	● *n.* and till *11a.*
20	·25	·34	51·3	50·5	46·4	52·4	2·2	1·4	·322	·331	85	90	SE 4	SE 6	10	10	—	Dull day.
21	·40	·51	50·0	47·8	47·2	51·8	2·1	1·1	·307	·306	85	92	SE 8	SE 8	10	10	·200	↗ ● showers during day.
22	·60	·67	46·1	42·5	42·2	48·9	1·3	1·4	·282	·241	91	89	NE 8	E 2	10	10	·100	● showers *n.* and during day. ↗
23	·77	29·87	44·9	42·6	41·7	49·4	1·2	1·2	·270	·247	92	90	NE 6	NE 1	10	10	·050	● showers *n.* and till *10a.*
24	29·98	30·07	42·1	37·8	37·4	47·7	2·1	1·1	·224	·206	84	91	NE 1	N 1	10	0	·100	Dull day. ● showers.
25	30·16	·22	39·5	40·8	37·7	45·7	1·1	2·3	·220	·209	91	82	NE 1	NE 1	10	10	·050	● showers. Dull day.
26	·22	30·20	42·2	42·1	37·2	44·8	1·6	2·1	·235	·224	88	84	NE 1	SE 1	10	10	·050	● showers. Dull day.
27	30·04	29·85	42·3	43·0	39·3	44·9	2·0	2·5	·228	·225	85	81	NE 1	NE 4	10	10	·050	Dull day. ● showers.
28	29·85	·65	42·0	36·6	33·9	46·7	2·3	1·1	·220	·196	83	91	W 1	W 1	10	7	—	Dull till *1p.*
29	·56	·44	41·5	47·3	32·5	47·6	1·6	1·1	·229	·299	88	92	W 1	SW 1	10	10	·050	● showers *n.* and during day.
30	·32	·18	51·5	45·9	45·9	54·9	2·0	1·4	·329	·278	87	91	SW 1	SW 4	10	10	—	
31	29·48	29·46	42·8	43·2	39·3	49·7	2·2	0·7	·229	·264	83	94	SW 1	SW 1	5	5	·100	Fine day.
Mean	29·500	29·488	45·7	44·8	40·7	51·5	1·6	1·4	·273	·269	88·4	89·9	1·8	2·0	8·5	9·1	2·700	

GLASGOW.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·92	29·92	48·8	44·9	39·4	53·8	5·2	1·4	·229	·266	67	90	N 1	NE 1	3	6	—	Fine day.
2	·81	·66	40·5	43·9	37·4	52·6	0·9	2·2	·233	·239	93	83	Calm 0	S 1	8	10	·030	Fine day.
3	·54	·48	44·9	45·2	41·9	51·5	1·5	2·6	·264	·243	89	81	NE 1	N 1	10	10	·310	●⁰ *a.*
4	·35	·29	45·5	48·1	42·1	50·6	0·5	0·5	·294	·324	97	97	W 1	S 1	10	10	·135	Overcast, with ●⁰.
5	·35	·39	48·3	48·2	47·0	51·7	1·2	0·5	·308	·325	92	97	E 1	WSW 1	10	10	·125	Overcast, with ●⁰.
6	29·39	29·21	51·5	50·4	47·8	54·8	1·9	2·9	·331	·294	87	81	SW 1	SSE 1	9	10	·600	⌒ *9.15a.* Cloudy, with ●⁰.
7	28·48	28·79	49·9	46·0	46·0	52·5	1·6	1·4	·318	·277	89	90	NW 2	W 5	10	10	·430	Overcast, with squally ↗ ●².
8	·95	·75	40·7	43·1	40·3	47·9	1·1	0·1	·231	·233	91	83	SW 2	S 3	10	7	·210	Cloudy, with squally ↗ ▲² ●².
9	·58	28·76	41·5	41·2	38·4	50·1	1·1	1·1	·238	·235	92	91	SE 1	W 1	10	6	·340	Overcast, with ●⁰. [showers, ⌒ *2p.*
10	28·94	29·14	47·9	45·0	41·2	53·1	1·4	0·5	·299	·287	90	96	S 1	SSW 1	10	10	·160	⌒ *8.45a.* Cloudy, with ●².
11	29·27	·34	45·1	45·5	40·0	52·7	0·8	0·9	·281	·284	94	93	NNE 1	NNE 1	10	10	—	Very cloudy.
12	·43	·48	40·6	46·9	37·0	53·5	0·9	4·0	·234	·233	93	73	W 1	NNW 1	5	7	—	Fine day.
13	·60	·71	39·6	46·1	35·9	50·6	1·3	2·2	·217	·261	90	85	SSW 1	E 1	10	10	—	
14	·73	·65	41·2	46·2	36·9	51·2	0·8	2·1	·241	·264	94	85	ENE 1	E 1	9	10	—	Dull and cloudy.
15	·53	·44	46·3	49·8	43·2	51·6	1·7	0·5	·274	·345	88	97	E 1	S 1	10	6	·105	Overcast, with ●⁰.
16	·49	·53	48·7	45·9	45·9	53·4	1·1	0·7	·316	·294	92	95	NNE 1	N 1	10	6	—	Dull and overcast.
17	·56	·49	40·9	43·5	38·9	47·9	0·2	0·8	·252	·264	98	94	NE 1	E 1	5	10	—	≋ *a.*
18	·38	·24	48·9	48·7	41·9	53·0	2·6	2·1	·283	·293	82	85	E 2	E 3	8	10	—	Dull and cloudy.
19	·16	·09	48·9	49·8	45·0	54·2	1·7	2·4	·303	·297	88	84	ENE 2	ENE 9	7	10	·215	Cloudy, with squally ↗.
20	·13	·24	47·0	50·2	46·7	52·5	2·1	1·7	·275	·319	85	88	ENE 7	E 6	8	7	·105	Squally ↗ ●² showers.
21	·34	·46	50·8	47·8	47·8	52·5	2·3	1·4	·312	·298	85	90	NE 2	NE 3	10	8	·140	Squally ↗ ●⁰ showers.
22	·55	·65	48·1	44·5	44·5	51·0	3·4	2·4	·257	·240	77	82	NE 2	N 2	4	4	·010	⌒ *9a.* Cloudy and squally. ●⁰
23	·74	29·87	46·6	45·1	43·9	50·5	2·5	2·8	·260	·238	83	80	NE 1	NE 1	9	9	—	Fine day.
24	29·96	30·05	44·5	41·4	41·4	49·0	2·9	1·4	·231	·231	78	89	NNE 1	ENE 1	7	3	—	Fine day.
25	30·14	·18	39·9	40·8	38·2	46·5	0·8	2·1	·230	·213	94	84	E 1	ENE 1	6	8	—	Fine day.
26	30·18	30·12	39·9	42·0	35·7	45·4	1·6	1·9	·214	·226	87	86	ENE 1	E 2	10	10	—	Overcast.
27	29·98	29·80	41·7	42·2	39·7	44·7	2·7	2·6	·209	·215	80	81	NNE 2	NNE 2	9	9	—	Dull and cloudy.
28	·74	·64	39·1	36·7	36·4	45·8	1·9	1·4	·201	·190	85	88	WNW 1	SSW 1	10	4	·020	Dull and overcast. Clear *n.*
29	·54	·43	42·9	49·4	34·3	49·8	2·0	0·6	·334	·338	85	96	S 1	SSW 2	10	10	·120	Overcast, with ●⁰.
30	·27	·21	51·1	43·2	43·2	54·2	1·7	1·2	·331	·253	88	90	S 5	W 1	10	10	·270	Overcast, with squally ↗ ●⁰.
31	29·51	29·43	44·8	48·9	40·2	50·8	1·8	2·4	·256	·288	86	83	SSW 2	S 1	10	10	—	Dull and cloudy.
Mean	29·468	29·465	45·0	45·5	41·2	50·9	1·7	1·7	·263	·268	87·7	87·6	1·5	1·9	8·6	8·4	3·325	

WOLFELEE.—OCTOBER 1889.

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

1	29·41	29·43	45·0	46·0	44·6	50·0	1·4	0·9	·266	·289	89	94	NE	NE	—	—	·150	Dull *a.* ● showers.
2	·35	·21	44·5	44·0	39·6	51·0	0·4	0·4	·283	·279	97	97	N	NE	—	—	—	Dull *a.* Fine *p.*
3	29·12	29·01	42·5	46·0	34·6	53·5	0·4	0·9	·263	·289	97	94	SW	SW	—	—	·150	Dull and calm.
4	28·91	28·87	45·5	45·0	37·6	51·0	0·9	0·4	·284	·289	94	97	SW	SW	—	—	·280	● during day.
5	·92	·97	44·2	46·0	37·6	50·0	0·6	1·4	·277	·278	96	90	SW	SW	—	—	·010	Fine and clear.
6	28·99	·89	48·0	47·0	41·6	56·0	0·9	1·4	·312	·289	94	90	SW	SSW	—	—	·710	● showers *a.* Dull *p.*
7	27·95	·39	48·0	47·0	44·1	58·5	0·9	3·4	·312	·245	94	77	SSE	W	—	—	·110	Stormy ↗ ●.
8	28·58	·39	43·5	39·0	36·7	51·5	2·9	0·4	·221	·230	78	97	W	W	—	—	·440	Blowy *a.* ● in afternoon. Stormy *p.*
9	·25	·38	41·0	45·0	31·8	52·5	0·9	1·4	·237	·266	93	89	SW	SW	—	—	·850	Dull, with ● showers *a.* ● in after-
10	·54	·72	46·5	39·5	37·7	48·8	0·9	0·4	·295	·234	93	97	SSW	W	—	—	·100	[noon. Clear *n.* ● showers *a.* Fine *p.*
11	·83	·88	45·5	39·0	36·7	55·0	0·9	0·4	·284	·230	94	97	W	W	—	—	·020	Fine and clear.
12	28·93	28·97	43·0	45·0	31·3	56·0	0·4	0·4	·268	·289	97	97	S	S	—	—	·510	● all day.
13	29·13	29·24	38·5	42·0	31·8	48·0	0·4	0·4	·225	·258	97	97	SW	SW	—	—	·040	Fine *a.* ● showers in afternoon.
14	·29	·23	39·0	38·0	28·8	50·8	0·9	0·4	·220	·220	93	96	SW	SW	—	—	—	Fine and clear.
15	·14	·03	44·0	50·0	34·8	56·0	0·9	0·4	·267	·350	93	97	S	SSW	—	—	·510	Fine *a.* ● *p.*
16	·03	·07	49·0	45·0	44·0	51·5	0·4	0·4	·338	·289	97	97	SW	SW	—	—	·200	Dull, with ●.
17	29·10	29·06	43·0	38·0	34·8	51·0	0·4	0·4	·268	·220	97	96	S	SE	—	—	—	Dull, with ≋⁰ (mist) *a.* Fine and
18	28·97	28·83	46·5	47·0	37·7	51·5	0·9	1·9	·295	·277	93	87	SE	SE	—	—	—	[clear *p.* Fine and clear. Blowy *p.*
19	·73	·63	47·0	48·5	41·6	52·0	1·9	0·9	·277	·319	87	93	E	SE	—	—	·090	Fine and clear *a.* Dull and blowy *p.*
20	·67	·79	49·0	49·0	37·6	52·0	1·9	1·9	·300	·300	87	87	SE	SE	—	—	·310	Dull and blowy *a.* ● showers.
21	28·85	28·95	46·0	46·0	40·6	52·0	0·9	0·9	·289	·289	94	94	E	NE	—	—	·500	Dull *a.* ● showers.
22	29·02	29·10	46·0	43·5	42·1	52·0	0·9	0·4	·289	·273	94	97	NE	NE	—	—	·870	● showers *a.* ● *p.*
23	·22	·36	45·0	38·5	40·1	47·5	1·4	0·9	·266	·215	89	92	NE	NE	—	—	·050	● showers. Fine *p.*
24	·44	·56	42·5	41·0	35·8	51·0	1·1	0·9	·248	·237	91	93	NE	NE	—	—	·040	● showers. Dull *p.*
25	·65	·71	38·0	40·0	32·8	47·0	0·4	0·9	·220	·228	96	93	S	SE	—	—	·020	≋⁰ (mist) *a.* ●⁰ *p.*
26	·69	·63	38·0	40·0	29·8	41·0	0·9	1·4	·210	·218	92	89	NE	NE	—	—	·020	●⁰ *a* and *p.*
27	·45	·29	40·0	42·0	34·8	41·0	0·9	0·9	·228	·247	93	93	NE	NE	—	—	·020	●⁰ *a* and *p.*
28	·25	·23	42·5	41·0	37·6	44·5	0·9	0·6	·252	·244	93	95	NE	NE	—	—	—	Dull day.
29	29·13	29·06	44·0	45·0	35·3	44·5	0·9	0·9	·267	·277	93	93	SW	SW	—	—	·150	Dull, with ●⁰ *a.* Blowy, with ● *p.*
30	28·93	28·85	49·0	46·0	41·1	51·0	0·9	1·4	·325	·278	94	90	SW	SW	—	—	·260	Blowy, with ● showers *a.* ● *p.*
31	29·07	29·08	39·0	45·0	34·8	51·0	0·9	0·0	·220	·299	93	100	SW	SW	—	—	·220	Fine and clear *a.* ● showers *p.*
Mean	29·018	29·027	44·0	43·7	37·1	50·6	0·9	0·9	·268	·266	93·0	93·4	—	—	—	—	6·630	

SCARBOROUGH.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.		9 p.m.		Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%							ins.	
1	29·80	29·81	51·3	51·4	48·7	53·3	1·5	0·5	·339	·366	90	96	NE	5	NE	4	5	10	—	Bright and breezy.
2	·76	·72	51·4	48·4	48·0	53·7	0·6	0·7	·364	·323	96	95	NE	3	SW	1	9	10	—	Fine and bright.
3	·60	·44	47·2	49·3	45·3	54·5	0·5	0·4	·313	·342	97	97	S	1	E	1	10	10	·100	Dull *a.* Bright mid-day. ● *n.*
4	·40	·41	48·4	45·4	43·2	52·3	0·5	0·2	·328	·299	96	98	SW	1	SE	3	2	1	—	Very fine and bright.
5	·41	·48	46·3	48·1	43·5	51·8	0·6	0·3	·299	·329	96	98	SW	2	SW	1	1	3	—	Very fine. ≋ in evening.
6	29·54	29·48	50·4	48·6	45·5	54·1	1·1	0·3	·336	·335	92	98	SW	4	SW	2	8	4	·330	Fine day. ≋ (mist).
7	28·70	28·95	52·6	47·7	46·5	54·5	2·3	0·9	·335	·308	84	94	SW	9	W	5	9	9	·050	Very stormy. Clearing in afternoon.
8	29·17	·95	46·3	46·2	42·0	52·3	1·9	0·8	·270	·294	87	95	W	3	SW	4	1	9	·020	Brilliant *a.*, then ● showers.
9	28·85	28·95	43·7	46·7	38·0	51·3	1·6	1·6	·249	·281	87	89	SW	4	W	4	3	5	—	Brilliant day.
10	29·05	29·21	45·1	47·4	40·0	54·3	0·7	1·0	·284	·303	94	93	SW	3	SW	2	5	8	·010	Fine day.
11	·33	·34	42·9	48·6	35·5	53·8	0·3	0·3	·269	·335	98	98	NW	1	W	2	1	10	1·110	Brilliant *a.*, then ● 2.
12	·34	·38	48·1	47·3	45·4	49·8	0·1	0·3	·334	·319	99	98	W	2	W	3	10	9	·480	● 2 *a.* Fine afternoon.
13	·55	·69	46·9	47·0	44·0	52·8	0·3	0·6	·315	·307	98	96	W	2	NW	1	10	8	·030	
14	·74	·74	49·3	48·1	42·5	51·7	0·5	0·3	·339	·329	97	98	NW	3	SW	1	7	3	·050	Fair and brilliant.
15	·70	·62	44·9	51·6	39·5	53·1	0·6	0·8	·284	·361	95	95	SW	3	S	3	3	10	·020	Fine *a.*, then ● showers.
16	·57	·54	53·1	49·9	49·0	55·7	0·3	0·2	·396	·355	98	99	S	3	S	1	10	10	·070	Dull, with ●.
17	·54	·57	48·3	45·9	45·0	50·8	0·4	0·1	·329	·307	97	99	NW	2	SW	1	10	0	·030	Dull *a.* Bright evening.
18	·51	·34	49·8	49·6	41·3	52·8	0·4	0·3	·348	·348	97	98	S	2	SE	3	8	2	—	Very fine and bright. [● *o.*
19	·18	·04	51·4	50·1	49·0	53·1	0·9	0·1	·355	·360	94	99	SE	4	SE	7	8	10	·010	Very fine till 2*p.*, then stormy, with
20	·15	·22	51·6	48·9	41·8	52·8	0·6	1·1	·365	·318	96	93	SE	4	SE	6	10	10	·200	● *a.* Fine mid-day. Stormy, with
21	·27	·33	50·7	50·2	48·0	51·6	0·7	0·5	·351	·351	95	97	E	3	E	5	7	10	·350	● 2 showers. [K *n.*
22	·35	·42	49·6	48·3	47·2	50·7	0·8	0·6	·334	·323	95	96	NE	7	NE	7	10	7	·470	Very stormy, with ●.
23	·59	29·74	48·0	46·3	45·1	49·3	1·1	0·5	·307	·302	92	97	NE	5	NE	3	10	10	·170	Fine *a.*, then ●.
24	29·88	30·01	46·4	45·7	44·0	48·0	0·6	1·3	·301	·277	96	91	NE	4	NE	2	10	5	·170	Fine *a.* ● in afternoon.
25	30·09	·17	45·4	45·7	43·5	47·5	1·3	2·7	·272	·246	91	81	NE	4	NE	2	9	10	·050	● 2 *a.*
26	30·14	30·08	46·6	45·7	42·3	47·8	2·1	2·5	·269	·251	86	82	NE	6	E	4	10	10	·110	● showers *a.* Bright afternoon.
27	29·82	29·67	45·0	45·0	43·4	46·3	1·6	0·2	·262	·295	88	98	NE	6	NE	2	10	10	·350	Dull and windy, with ● showers.
28	·67	·68	47·3	46·2	44·7	48·3	0·2	0·3	·322	·306	99	98	NE	2	E	2	10	2	—	Stormy, with ●.
29	·68	·64	47·4	48·8	44·5	51·0	0·1	0·3	·325	·338	99	98	S	1	S	4	10	0	—	
30	·58	·40	45·4	49·4	42·0	51·8	0·5	1·1	·292	·324	96	92	SW	4	SW	4	7	3	·050	Damp *a.* Brilliant day.
31	29·61	29·66	43·2	43·3	40·5	51·1	0·8	0·7	·261	·265	93	95	SW	4	SW	2	0	0	—	Fine and bright.
Mean	29·501	29·504	47·9	47·8	43·9	51·8	0·8	0·7	·314	·316	94·1	95·2		3·5		3·0	7·2	6·7	5·130	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—OCTOBER 1889.

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

1	29·92	29·92	52·5	48·8	43·0	55·6	1·7	1·8	·349	·300	89	87	NE	4	NNE	3	3	4	—	Very fine. ⌓ *p.*
2	·83	·73	53·0	44·8	41·8	57·3	2·0	0·8	·347	·278	86	94	NE	2	Calm	0	3	10	·170	Very fine. ● *p.*
3	·54	·45	50·8	50·0	43·2	51·1	1·0	1·3	·346	·327	93	91	SE	3	NNE	3	10	10	·025	Overcast, with ●.
4	·42	·35	51·0	47·0	43·8	52·0	2·7	0·3	·306	·316	82	98	NE	3	Calm	0	9	10	·066	Overcast, with ●.
5	·38	·51	51·0	52·0	38·0	54·7	0·4	1·0	·364	·361	97	93	Calm	0	WNW	3	8	10	·170	Dull, with ●.
6	29·54	·35	52·4	53·8	48·0	55·6	1·2	1·0	·360	·385	91	93	W	4	S	5	10	10	·930	Dull, with ●. ⌒ ● *p.*
7	28·57	29·10	51·0	49·2	48·0	54·8	0·2	3·2	·369	·274	99	78	WNW	8–11	NNW	7–8	10	6	·050	Dull, with squally ⌒ ● 2.
8	29·13	28·84	49·0	44·4	36·8	53·0	3·7	2·2	·261	·244	75	83	WSW	7	WSW	3	9	4	·340	Squally ⌒. ● △ 2 from 2.40*p.* <
9	28·73	28·88	47·8	50·0	36·7	53·4	1·0	1·2	·307	·329	93	92	SW	7–8	WSW	4	10	8	·268	Squally ⌒ ● 2 showers.
10	29·02	29·21	50·8	44·8	41·2	54·4	1·4	0·3	·335	·290	90	98	WSW	3	Calm	0	7	4	·001	Cloudy day. ⌓ 2 *p.*
11	·32	·39	52·0	42·0	34·6	57·7	1·2	0·6	·356	·254	92	95	Calm	0	N	1	2	3	·068	⌓ *a.* and *p.* ● showers *a.* Fine *p.*
12	·43	·52	51·0	47·2	35·6	56·0	3·0	0·2	·299	·320	80	99	NNW	2	N	1	3	4	—	⌓ *a.* and *p.* Fine day.
13	·62	·75	50·6	44·0	36·8	57·3	1·8	1·2	·322	·261	88	90	Calm	0	NW	2	4	1	—	⌓ *a.* and *p.* Fine day.
14	·76	·71	50·4	45·0	32·6	55·0	2·6	0·4	·300	·289	83	97	Calm	0	S	1	3	4	·190	⌊ *a.* Fine *a.* Dull afternoon. ⌓
15	·60	·52	49·8	54·0	44·8	54·6	0·8	0·2	·337	·412	94	99	SE	4	SW	2	10	10	·220	Overcast, with ●.
16	·55	·59	51·7	40·2	40·2	54·0	0·3	1·3	·376	·222	98	89	Calm	0	N	1	10	3	·020	Dull day. ⌓ 2 *p.*
17	·58	·54	52·8	47·6	39·3	57·0	1·0	0·7	·372	·313	93	95	N	1	Calm	0	6	10	·086	● *a.* and *p.* Cloudy.
18	·38	29·19	51·2	53·9	44·3	57·0	1·8	3·0	·330	·333	88	80	SE	5	SE	6	10	10	·013	Overcast, with squally ⌒. ● *n.*
19	·06	28·97	52·4	50·5	48·0	54·4	2·5	0·5	·328	·355	85	97	E	7	E	7	10	10	·355	Overcast, with squally ⌒ ●.
20	·01	29·11	50·0	50·0	46·8	51·6	0·6	1·0	·345	·334	96	93	E	7–8	E	5	10	4	·090	Overcast, with squally ⌒ ●.
21	·27	·38	51·0	49·2	48·5	54·6	1·7	1·0	·331	·324	88	93	E	4	NE	4	9	3	·019	Cloudy. ● < *p.*
22	·45	·56	50·3	47·6	47·2	53·5	1·4	2·5	·329	·272	90	82	NE	6–7	NE	7–8	6	8	·150	Squally Fine day.
23	·65	29·84	50·2	45·0	43·8	52·3	1·0	1·2	·337	·271	93	91	NE	5	NE	4	10	2	—	Dull Fine afternoon.
24	29·93	30·04	47·8	47·3	42·5	50·0	1·6	1·3	·293	·294	88	91	NE	3	E	4	9	10	·164	Cloudy. ● *n.*
25	30·13	·15	47·8	47·2	43·3	49·7	1·8	2·2	·288	·273	87	85	ESE	3	E	4	7	10	·006	△ ● *a.* Cloudy.
26	30·13	30·06	47·5	47·0	44·6	48·2	2·5	2·1	·269	·273	83	85	E	4–5	E	6	6	10	—	Fine *a.* Dull afternoon. Squally ⌒ *p.*
27	29·87	29·95	45·0	45·8	42·5	47·0	1·8	2·8	·257	·246	86	80	NE	5	NNE	5–6	8	8	—	Dull, with squally ⌒.
28	·74	·70	46·1	41·3	37·8	48·6	1·3	1·5	·282	·228	91	88	NNE	2	WNW	4	8	10	—	Fine day. ⌓ *p.*
29	·65	·59	48·0	52·6	40·5	53·0	1·4	0·6	·299	·380	90	96	Calm	0	SW	4	9	10	·042	⌓ *a.* Dull day. ● showers 6*p.*
30	·44	·34	52·3	45·0	45·0	53·8	0·0	0·3	·395	·292	100	98	SSW	5–6	W	4	10	10	·192	Squally ⌒ (force 7) ● showers.
31	29·65	29·54	48·4	49·1	41·5	52·4	1·7	0·6	·298	·334	88	96	W	3	SSW	4	3	10	·335	Cloudy. ● 9*p.*
Mean	29·493	29·502	50·2	47·6	42·0	53·6	1·5	1·2	·325	·303	89·5	91·2		3·6		3·4	7·5	7·3	3·070	

STONYHURST.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.		9 p.m.		Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%							ins.	
1	29·63	29·65	48·1	46·9	44·6	52·4	3·1	3·0	·262	·253	78	80	NNW	1	NbyE	1	10	3	·028	Overcast during day.
2	·59	·52	49·4	46·2	42·9	54·5	2·3	1·1	·295	·287	85	93	Calm	0	Calm	0	3	8	·005	
3	·35	·21	45·7	46·9	38·0	49·9	1·6	1·5	·270	·286	89	90	Calm	0	NEb.N	1	10	10	—	Overcast and gloomy.
4	·18	·16	48·1	45·9	45·5	53·1	2·0	1·2	·286	·283	86	93	NbyE	1	Calm	0	10	10	·027	Overcast.
5	·17	·28	44·7	49·6	42·7	53·4	1·4	0·7	·264	·337	89	95	Calm	0	WSW	1	10	10	·430	Overcast and gloomy.
6	29·34	29·19	47·7	49·1	46·6	53·9	1·4	1·7	·297	·307	90	88	SW	1	SSW	1	10	10	·745	Overcast and gloomy, with ●.
7	28·41	28·84	49·8	48·2	45·2	52·6	1·5	2·8	·320	·270	89	81	swb.w	5	WbyS	5	10	9	·340	⌒ ● *a.* and *p.* △ 7*p.*
8	·96	·68	49·2	44·1	43·8	52·6	4·0	1·2	·257	·262	73	90	swb.w	3	SbyW	1	8	7	·172	△ ● 8*a.* ⌒ 3*p.*
9	·61	28·71	44·7	47·7	39·9	50·7	2·6	3·1	·238	·259	81	79	SSW	4	swb.s	2	10	10	·037	Overcast, with ● 0.
10	28·84	29·00	49·1	46·0	42·7	53·3	2·2	1·0	·295	·287	84	93	WbyS	1	Calm	0	10	10	·010	Overcast. ● 0 shower *p.*
11	29·11	·14	40·2	46·0	33·7	53·7	0·9	1·0	·230	·287	92	93	NEb.N	1	Calm	0	0	10	·021	≋ 2*a.*—9*a.*
12	·19	·24	46·0	46·7	43·2	49·8	1·0	1·5	·287	·284	93	89	Calm	0	WNW	1	10	10	·072	● 0 *a.* Overcast and gloomy.
13	·39	·51	48·6	41·9	41·6	54·0	5·3	1·2	·265	·241	77	92	WbyS	1	Calm	0	0	2	—	Fine and sunny.
14	·55	·52	39·7	41·9	34·1	50·2	1·5	1·3	·214	·239	88	91	Calm	0	Calm	0	0	10	—	Sunny, then ∞.
15	·44	·35	47·2	52·9	39·0	52·9	2·0	1·0	·278	·372	86	93	Calm	0	S	2	10	10	·450	Overcast and gloomy.
16	·32	·36	51·0	46·9	46·0	53·2	0·5	0·8	·361	·301	97	95	Calm	0	Calm	0	10	10	·128	Overcast, with ●. ≋ in evening.
17	·37	·35	45·5	47·7	40·3	52·7	0·3	0·8	·297	·312	97	94	Calm	0	Calm	0	10	10	—	≋ *a.* Gloomy and overcast.
18	29·23	29·02	49·0	49·3	44·5	52·4	2·1	2·3	·296	·294	85	84	Calm	0	EbyS	2	10	10	—	Overcast and gloomy.
19	28·86	28·78	50·8	47·1	46·9	51·6	3·5	1·1	·285	·297	77	92	E	4	SbyE	2	10	10	·060	Overcast and gloomy. ● 0 *p.*
20	28·80	28·93	48·9	48·0	40·2	50·2	2·2	1·7	·294	·292	85	88	EbyS	4	E	1	10	10	·045	Overcast, with ●.
21	29·03	29·09	48·7	47·8	43·5	53·2	1·9	1·8	·298	·288	87	87	NE	1	NEb.N	1	2	10	·080	< 7*p.* ●
22	·14	·21	49·1	47·1	45·5	51·1	3·1	2·1	·275	·274	78	85	NE	2	NE	2	6	10	·177	
23	·37	·55	48·2	42·3	42·0	50·6	2·3	2·0	·281	·228	84	85	NEb.E	2	NEb.N	1	10	3	—	
24	·67	·81	44·1	41·0	40·1	48·6	1·6	2·1	·254	·213	87	83	Calm	0	Calm	0	9	1	·010	● *a.* ∞ *p.*
25	·89	·92	43·3	42·9	38·0	47·0	3·0	2·5	·218	·224	78	82	NEb.N	1	NEb.E	1	2	10	—	Overcast and gloomy *p.*
26	·90	·82	40·3	42·1	35·0	46·8	2·3	2·7	·204	·213	82	80	NEb.N	1	ENE	2	10	10	—	⌊ *a.* Overcast *p.*
27	·56	·43	42·6	43·3	40·0	44·9	2·7	1·5	·217	·248	80	88	NE	3	NEb.E	2	10	10	·218	Overcast. Bright < ● 9*p.*
28	·46	·45	45·3	46·0	42·5	49·1	1·3	1·3	·272	·280	90	91	NEb.N	1	Calm	0	10	10	—	Overcast and gloomy.
29	·46	·44	47·3	46·2	44·4	51·9	0·4	1·5	·317	·278	97	90	swbys	1	Calm	0	10	10	—	Overcast and gloomy.
30	·34	·08	47·2	50·0	44·6	53·5	1·9	1·2	·280	·329	87	92	S	3	SbyW	4	10	10	·273	Dull and overcast. Squally, with ● 0 *p.*
31	29·45	29·43	47·1	45·5	41·8	54·5	2·9	1·8	·256	·263	79	87	W	2	SbyW	1	3	3	·080	
Mean	29·277	29·279	46·7	46·2	41·9	51·6	2·0	1·6	·273	·277	85·5	88·5		1·4		1·1	7·8	8·6	3·408	

HILLINGTON.—OCTOBER 1889.

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

1	29·79	29·81	52·2	48·7	46·4	55·5	1·6	0·9	·348	·321	89	94	NE	3	NE	1	9	2	·090	● showers 9.30*a.*
2	·79	·92	51·1	46·0	44·6	56·4	1·2	0·3	·344	·304	91	98	N	0·5	N	1	7	10	·010	⌓ 2 *p.*
3	·71	·49	50·0	42·2	42·2	54·3	1·2	0·5	·329	·258	92	96	SSW	1	SW	1	10	10	·096	≋ 0 (mist) *a.* Overcast, with ●
4	·41	·54	45·2	48·0	36·4	49·4	0·0	0·3	·302	·328	100	98	NE	1	SE	1	10	10	·360	● 0 *a.* and *p.* [showers.
5	·53	·62	47·1	50·6	43·0	54·2	0·4	0·9	·313	·345	97	94	SE	2	SW	1	10	10	·005	Overcast. Very gloomy 0.30*p.*
6	·72	·65	50·0	52·0	44·7	54·5	1·2	0·4	·329	·377	92	97	SW	3	SW	2	10	10	·185	Overcast. ● 0 2.30*p.* and 4*p.*
7	·04	·26	54·5	46·2	46·2	56·0	3·8	2·4	·323	·257	76	84	SW	9	SW	3	2	8	·007	● 2 early *a.* ⌒ till 4*p.* Fine and
8	·40	·07	47·5	46·7	44·4	56·5	2·8	0·3	·263	·312	81	98	SW	4	S	1	1	10	·097	Fine and sunny. ⌓ 2 *p.* [sunny. Ψ
9	·08	·16	45·3	44·1	38·1	55·7	1·5	1·3	·267	·259	89	89	SW	3	SSW	2	2	1	·006	⌊ *a.* Very fine and sunny. ⌓ 2 *p.*
10	·19	·35	44·9	44·5	37·2	57·2	1·2	0·8	·270	·275	91	94	SSW	1	SSW	0·5	0	0	·047	⌊ *a.* Very fine and sunny. Ψ ⌓ 2 *p.*
11	·39	·38	46·4	46·7	37·6	50·4	0·4	0·1	·305	·317	97	99	ESE	1	SE	1	10	10	·190	Overcast all day, with ●.
12	·48	·58	46·0	39·8	39·8	54·4	1·1	0·5	·285	·234	92	96	SW	2	SW	0·5	5	0	·003	≋ 0 (mist) ⌓ 2 *p.*
13	·66	·79	41·3	37·9	35·2	52·6	0·5	0·2	·249	·224	96	98	SW	1	SW	0·5	10	3	·007	Overcast, damp, and chilly. ⌓ 2 *p.*
14	·83	·84	39·8	37·0	33·1	55·4	0·2	0·5	·240	·210	99	96	NW	0·5	SW	0·5	10	0	—	≋ early *a.* Fine day. ⌓ 2 *p.*
15	·84	·77	48·0	52·2	35·0	58·1	0·4	1·9	·325	·340	97	87	SW	0·5	SW	0·5	6	10	·015	≋ 0 (mist) early *a.* Sunny day. ⌓ 2 *p.*
16	·68	·62	54·4	53·0	52·1	59·4	0·8	0·3	·400	·394	95	98	SSE	4	SE	0·5	10	10	1·096	Overcast day. ● 2 from 6.30 *p.*
17	·62	·67	47·9	47·0	44·3	55·4	0·2	0·3	·329	·316	99	98	W	2	NW	1	10	10	·003	● 2 till 5*a.* Fine and mild from 10*a.*
18	·60	·35	48·3	46·1	44·6	51·3	0·6	0·5	·323	·299	96	96	SSE	3	SE	4	0	1	·005	Very fine and sunny. ⌓ *p.*
19	·15	·20	51·1	45·4	44·1	54·7	2·3	0·7	·316	·287	84	95	SE	6	SE	2	10	0	·060	● 2 3.40*p.*—4.15*p.*
20	·19	·26	48·9	45·9	42·7	50·5	1·1	0·2	·318	·305	93	99	SE	6	SE	2	10	5	·225	● most of day. ⌒
21	·27	·28	50·9	47·6	41·7	56·2	1·2	0·9	·342	·307	92	94	ESE	5	NE	1	4	6	·017	Fine and sunny. Much cir.
22	·30	·40	51·0	47·2	46·2	54·3	2·1	0·4	·319	·315	85	98	NE	2	ESE	1	6	10	·060	Fine and sunny.
23	·53	29·73	47·1	46·2	44·3	49·4	0·4	0·4	·313	·303	97	98	E	3	NE	2	10	10	·110	
24	29·88	30·03	42·9	43·9	40·9	49·4	0·3	0·7	·269	·271	98	95	NE	1	NE	1	8	10	·027	● 2 9*a.* ● showers. Much cir.
25	30·10	·17	46·0	41·2	37·0	49·9	1·2	1·4	·283	·229	92	89	NE	1	NE	1	6	7	·003	
26	30·13	30·03	47·1	45·2	37·4	50·3	2·1	2·6	·274	·243	85	81	E	3	NE	6	6	10	·215	Cold N.E. wind *p.*
27	29·71	29·67	42·6	50·6	41·6	50·6	0·5	0·2	·262	·364	96	99	ENE	6	SE	0·5	10	10	·054	Very damp day.
28	·69	·77	48·7	49·5	43·4	52·6	0·0	0·0	·344	·355	100	100	ENE	1	S	0·5	10	10	·004	≋ early *a.* Overcast all day. Very
29	·81	·81	49·2	48·0	47·3	54·5	0·4	0·2	·340	·330	98	99	S	1	S	0·5	10	0	—	⌓ 2 *p.* [damp.
30	·80	·61	47·0	48·1	42·6	55·6	0·5	1·4	·309	·302	97	90	SW	2	SW	4	5	0	·098	
31	29·76	29·84	44·0	41·5	41·1	51·8	1·5	1·3	·354	·234	88	90	SW	3	SW	2	3	2	·090	● early *a.* Fine day. ⌓ *p.*
Mean	29·583	29·601	47·6	46·1	41·7	53·8	1·1	0·7	·306	·297	92·7	94·7		2·6		1·5	7·1	6·3	3·185	

CHURCHSTOKE.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·45	29·43	47·9	45·6	44·0	50·6	2·5	0·9	·273	·285	83	94	NNW 2	NW 2	10	10	—	Dull day.
2	·40	29·32	48·9	41·8	41·0	57·3	2·0	0·9	·296	·245	86	93	NW 2	NW 1	8	6	·050	
3	29·13	28·98	49·9	44·3	40·0	53·9	1·5	1·4	·321	·260	90	89	W 2	NW 2	8	10	·282	⌒. Cool wind, with ● showers.
4	28·97	28·97	44·6	45·8	41·4	53·5	0·7	0·9	·278	·287	95	94	NW 2	NW 2	10	10	·120	Cold and raw, with ●.
5	28·98	29·17	50·9	48·7	44·5	56·1	1·9	1·6	·323	·303	87	89	W 2	NW 1	10	9	·065	Cloudy, with ● showers.
6	29·20	29·04	49·8	50·9	47·0	56·7	2·0	1·9	·307	·323	87	87	SW 2	SW 3	10	10	·290	Threatening.
7	28·60	28·83	49·1	46·8	45·8	53·6	1·8	2·9	·303	·254	87	80	SW 8	WSW 2	10	8	·220	↗ ● a. Many large branches broken [off trees.
8	·86	·55	50·1	42·6	41·4	54·9	4·7	1·5	·252	·240	69	88	W 2	SW 2	8	3	·090	⌒
9	·53	·61	49·8	42·4	38·1	54·5	4·9	1·5	·243	·238	69	88	SW 2	SW 2	8	4	—	Bright and fresh.
10	·68	28·85	46·8	36·4	35·5	56·7	0·9	0·5	·298	·205	93	96	NE 2	SW 2	8	4	·010	Bright day.
11	28·92	29·00	42·8	41·0	30·1	55·5	0·9	1·3	·255	·229	93	90	SW 1	SW 1	0	0	—	⌙. Bright and still.
12	29·04	·10	48·3	36·4	34·0	56·9	2·0	0·5	·289	·205	86	96	WNW 2	WNW 2	6	6	—	Bright and breezy.
13	·22	·33	50·4	36·7	34·4	57·1	2·4	0·8	·305	·201	84	93	NW 2	NW 1	5	0	·132	⌙. Bright day. ▲ storm p.
14	·36	·32	39·2	37·8	28·9	56·0	0·3	0·5	·233	·217	97	96	SSE 1	NW 1	5	1	—	⌙. Bright and frosty.
15	·23	·16	46·6	53·4	34·0	55·3	0·9	1·0	·296	·379	94	93	NE 2	SE 2	10	10	·163	Dull, threatening, and warm.
16	·15	·19	48·9	43·8	43·0	53·9	0·9	0·6	·323	·272	94	96	SE 2	SE 2	10	5	·128	
17	·19	29·17	48·9	44·8	38·2	57·1	0·5	0·9	·334	·275	97	93	SW 1	SW 1	6	6	·040	Bright day.
18	29·00	28·71	47·9	49·7	41·0	50·7	1·6	1·9	·294	·307	89	88	SE 2	SE 4	8	10	·220	Cold wind.
19	28·55	·61	47·9	40·8	39·0	50·1	0·6	0·7	·318	·239	96	95	ESE 2	SE 2	10	2	·370	Stormy and cold.
20	·60	·69	47·3	43·3	37·5	51·9	1·6	0·4	·287	·271	89	97	SE 2	SE 2	10	2	·109	Cloudy.
21	·79	·87	46·2	44·8	39·8	50·1	0·9	0·9	·292	·275	94	93	ESE 2	SE 2	10	10	·220	≋⁰ (mist) a. Dull and raw.
22	28·90	28·98	47·7	45·8	43·8	49·3	1·0	0·9	·306	·287	93	94	NNE 2	NE 2	10	10	·330	Gloomy, with cold ● showers.
23	29·13	29·37	46·6	43·6	42·6	47·9	1·3	0·9	·287	·263	91	93	NE 2	NE 2	10	10	·095	Cold, with ●.
24	·47	·61	42·8	43·3	40·4	50·1	1·1	1·0	·251	·258	92	92	NNW 1	NNW 2	9	10	·010	
25	·66	·66	41·2	43·8	37·0	48·5	0·3	0·9	·251	·265	98	93	NNE 2	NNE 2	10	10	·020	≋⁰ (mist) a. Raw, with cool wind
26	·64	·44	41·8	40·6	39·2	47·9	1·1	1·9	·240	·214	92	86	NNE 2	NE 2	8	8	—	Bright day. [and ●⁰.
27	·27	·18	41·0	41·3	39·2	42·1	1·9	0·4	·218	·251	85	97	NE 2	NE 2	10	10	·350	Steady ●⁰ all day. ≋² (mist).
28	·25	·28	44·8	40·8	40·8	47·1	0·1	0·0	·295	·321	99	100	NNW 1	Calm 0	10	10	—	≋² (mist).
29	·28	29·27	47·9	48·9	42·8	56·1	1·0	3·0	·308	·273	93	80	SW 1	SW 4	9	6	—	
30	·18	28·99	51·7	46·2	45·5	53·6	3·5	1·3	·295	·283	77	91	SW 2	SE 4	8	10	·190	●² in evening.
31	29·28	29·27	45·0	44·0	37·4	52·6	2·7	1·1	·239	·263	80	91	W 2	SW 1	1	10	·210	Bright and fresh.
Mean	29·094	29·094	46·9	43·9	39·6	52·8	1·6	1·1	·284	·264	89·0	91·8	2·0	1·9	8·2	7·1	3·614	

CARMARTHEN.—OCTOBER 1889.

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

1	29·80	29·80	55·0	45·2	41·0	58·8	6·4	2·0	·271	·256	63	85	N 4	Calm 0	0	0	—	Very fine.
2	·79	·69	51·2	43·4	35·8	62·7	4·4	0·7	·269	·266	72	95	Calm 0	Calm 0	0	10	·630	Fine day.
3	·56	·35	50·7	46·4	42·8	55·6	2·3	0·7	·311	·299	84	95	W 4	W 2	9	9	·220	●² showers n. and during day.
4	·34	·36	49·1	47·8	45·3	57·9	2·3	0·6	·292	·317	84	95	N 2	Calm 0	6	10	·460	● from 6p.
5	·38	·53	51·5	48·2	47·7	55·3	0·6	0·6	·365	·322	96	96	W 1	SW 1	10	9	·070	Frequent ● showers.
6	·61	·44	53·3	52·3	47·2	58·6	1·3	0·9	·370	·367	91	94	W 1	SW 3	10	10	·530	●p.
7	·12	29·27	53·3	48·6	47·7	56·9	0·6	4·1	·389	·248	96	72	W 7	W 3	10	2	·030	Squally in past n. ● showers. <n.
8	29·24	28·89	54·4	45·6	43·0	56·8	6·0	2·6	·272	·247	64	81	SW 4	SW 3	4	7	·160	Frequent ● showers. ▲. <n.
9	28·91	28·96	53·7	45·1	36·5	58·0	6·1	0·7	·263	·284	64	94	SW 4	SW 1	2	6	·150	Occasional ● showers.
10	29·06	29·18	51·3	42·9	40·1	61·2	2·7	0·6	·308	·263	82	95	Calm 0	SW 1	2	2	·050	
11	·28	·36	46·1	41·1	34·9	59·4	1·8	0·2	·270	·254	87	98	Calm 0	Calm 0	5	6	·100	Fine day.
12	·43	·47	41·4	40·6	34·4	57·5	0·4	0·6	·252	·239	97	95	Calm 0	Calm 0	10	0	·040	≋² 9a. Frequent ● showers.
13	·62	·71	40·1	39·4	31·3	55·3	0·4	0·4	·239	·233	97	97	Calm 0	Calm 0	9	0	·010	
14	·73	·67	38·1	43·7	30·5	55·1	0·4	1·0	·222	·262	96	92	Calm 0	E 1	10	0	·040	≋ 9a. Fine day.
15	·57	·53	51·2	54·9	42·2	57·9	0·1	0·3	·374	·422	99	98	SE 1	SW 2	10	10	·460	● showers.
16	·51	·56	50·7	42·9	42·7	57·8	0·3	0·2	·362	·272	98	99	W 1	Calm 0	10	0	·370	Overcast, with frequent ● showers.
17	·59	29·52	52·7	47·3	40·1	57·8	0·8	0·5	·375	·313	94	97	W 1	SE 1	8	10	·150	Frequent ● showers.
18	29·26	28·91	51·7	50·7	46·0	55·3	1·7	1·3	·339	·336	88	91	SE 5	SE 4	10	10	·660	Dull all day.
19	28·89	·86	47·2	43·9	43·3	51·4	0·6	0·6	·309	·273	96	95	W 1	SE 1	10	10	·280	Dull all day.
20	28·86	28·97	53·7	46·1	43·1	56·5	3·8	0·9	·313	·290	76	93	S 2	SE 2	6	5	·020	●. Dull day.
21	29·04	29·18	51·5	46·8	42·9	54·3	3·3	1·3	·297	·289	78	91	S 2	E 2	4	4	—	Dull day.
22	·23	·31	50·5	48·8	45·0	53·8	2·3	2·3	·308	·288	84	84	N 2	E 2	7	8	·010	Dull, with ● showers.
23	·48	·66	49·7	48·1	46·2	52·7	2·0	2·3	·306	·280	86	84	NE 1	E 2	9	10	·030	Dull, with ● showers.
24	29·87	29·93	53·0	41·1	40·7	54·7	4·5	1·2	·288	·232	72	90	E 2	Calm 0	4	0	—	
25	30·01	30·01	48·5	42·4	37·0	53·4	3·4	1·9	·261	·231	77	86	NE 3	NE 2	3	0	—	Fine day.
26	29·97	29·81	48·9	46·2	39·5	53·3	4·2	3·3	·249	·239	72	77	E 3	E 4	8	10	—	
27	·58	·49	44·3	44·9	42·4	47·0	3·8	2·4	·213	·244	73	83	NE 6	NE 4	10	10	·060	Dull, cold, and windy.
28	·56	·62	49·9	47·1	44·3	54·6	1·3	0·6	·325	·308	91	96	NE 2	Calm 0	10	0	—	
29	·66	·65	50·0	50·5	45·1	55·2	0·8	0·9	·340	·344	94	94	Calm 0	SW 2	10	10	·030	Dull and mild.
30	·57	·41	52·2	45·8	45·5	54·3	0·6	0·5	·374	·296	96	96	SW 4	SW 1	10	10	·580	● all day.
31	29·75	29·63	53·3	48·8	38·1	56·0	5·0	2·3	·280	·288	70	84	S 1	W 3	0	9	·450	Frequent ● showers.
Mean	29·460	29·442	49·9	46·0	41·4	56·0	2·4	1·2	·303	·284	84·4	91·0	2·1	1·5	7·0	6·0	5·590	

MARGATE.—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·74	29·78	52·2	52·3	48·1	57·0	2·6	1·5	·323	·352	83	90	N 2	N 2	7	10	·360	Double ⌒ 8a. ⌒ 3p. Frequent
2	·78	·85	52·7	50·3	50·1	58·2	2·0	1·1	·344	·335	86	92	N 3	Calm 0	6	10	—	Sunny day. [● showers.
3	·76	·62	52·2	45·2	44·8	55·7	2·5	1·4	·325	·268	83	90	N 2	S 2	8	0	·150	
4	·45	·55	51·1	50·1	42·2	56·6	3·9	1·4	·279	·325	75	90	SSW 5	S 3	3	10	·520	↗ a. Frequent ● showers.
5	·62	·70	52·6	49·3	43·1	55·1	2·4	1·0	·338	·325	83	93	SSW 2	S 3	8	0	·160	Frequent ● showers.
6	·81	·74	52·3	53·6	44·2	56·8	2·5	1·4	·327	·371	83	90	S 2	S 3	10	10	·090	Bright day.
7	·26	·41	56·1	49·1	47·7	58·3	3·5	3·3	·352	·270	78	78	SW 5	SW 4	7	1	—	↗ n. and a.
8	·53	·11	51·0	52·1	42·9	56·8	4·2	1·1	·271	·360	73	92	SW 3	SW 4	0	10	·520	▲ 11a. ↗ ●
9	·17	·22	47·5	46·3	42·5	56·1	1·9	1·2	·283	·286	87	92	SSW 4	S 1	7	5	·080	● showers. ⌒ 3.30p.
10	·25	·38	50·1	47·1	45·1	56·8	2·1	1·7	·308	·283	85	88	SSW 2	S 1	9	7	·060	Fine day.
11	·38	·47	50·3	46·2	45·6	51·3	1·9	0·9	·316	·292	87	94	SE 2	SW 2	10	0	·320	●² in afternoon.
12	·54	·60	47·9	45·8	40·1	57·2	2·1	1·8	·283	·267	86	87	SW 2	SW 2	2	0	·010	Very fine.
13	·69	·79	48·1	43·3	38·3	56·0	1·9	0·5	·289	·269	86	96	Calm 0	Calm 0	1	0	—	⌓ ⌙⁰. Fine day.
14	·85	·88	46·5	44·2	39·1	54·7	0·5	1·0	·304	·267	97	92	W 1	S 1	1	5	·010	Very fine. ⌓
15	·89	·82	53·1	53·8	41·1	58·5	1·9	3·2	·352	·329	86	79	SW 3	SW 3	2	2	—	⌓ a. Fine day.
16	·73	·62	54·4	55·3	52·1	56·7	1·4	1·1	·382	·404	91	92	S 3	S 2	10	10	·530	● showers.
17	·67	·75	49·1	47·8	47·1	56·2	1·1	1·1	·321	·305	92	92	W 3	W 1	10	0	·010	Fine day. ⌓ p.
18	·63	·38	53·0	51·9	43·1	56·3	1·5	2·0	·361	·334	90	86	S 2	SW 2	4	0	·250	⌓ a. Fine day.
19	·15	·28	51·1	50·3	46·2	55·7	1·8	1·8	·329	·317	87	88	SSE 3	SW 3	7	0	·120	Much ●.
20	·21	·23	49·1	50·5	48·1	52·0	2·4	2·0	·289	·316	83	87	SE 3	SE 2	10	0	·220	↗ a. ●² 10a.—2p.
21	·21	·26	52·2	51·1	47·8	55·3	2·4	1·1	·328	·346	84	92	Calm 0	W 1	9	5	·050	
22	·29	·38	48·3	51·7	44·9	54·8	1·2	1·4	·309	·346	92	90	N 2	N 1	8	10	·030	Fine day.
23	·50	29·72	51·9	45·2	44·3	54·1	2·0	0·2	·334	·297	86	99	Calm 0	Calm 0	10	10	·010	Fine day. ⌓ p.
24	29·88	30·01	50·5	50·3	43·9	53·8	1·8	2·6	·321	·298	88	82	NNW 1	N 1	6	8	—	⌓ a.
25	30·09	30·11	49·9	50·4	47·3	53·0	3·1	4·1	·283	·267	80	74	N 2	NE 3	1	3	—	⌓ a. Very fine.
26	30·06	29·90	50·1	47·7	47·1	51·8	3·6	2·4	·274	·274	76	83	E 3	E 4	6	10	·420	Stormy at night.
27	29·60	·66	48·1	53·7	43·0	57·0	1·1	1·7	·308	·365	92	88	E 2	E 1	10	0	·410	↗ ●² before 9a. Fine day.
28	·64	·80	53·2	50·1	49·1	55·5	0·2	0·1	·400	·360	99	99	E 1	Calm 0	10	10	.540	Constant ● till 6p. ≋ 9p.
29	·85	·87	51·3	48·4	47·6	53·7	1·1	0·6	·349	·324	92	96	SSE 1	SSE 1	0	0	—	Dull day.
30	·88	·73	51·1	51·5	45·9	56·6	1·4	2·3	·339	·322	90	84	SE 1	SE 3	8	10	·100	⌓ a. Very fine.
31	29·84	29·93	46·5	43·0	41·0	51·5	2·4	1·5	·261	·244	84	88	W 3	SW 3	0	0	—	Bright and sunny.
Mean	29·611	29·629	50·8	49·3	44·9	55·5	2·1	1·6	·319	·313	85·9	89·1	2·2	1·9	6·1	4·7	4·970	

SOUTHAMPTON.—OCTOBER 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

1	29·83	29·88	53·2	47·8	46·2	60·6	3·1	1·3	·323	·301	80	91	N 4	NW 1	9	0	·003	Fine day. ⌓ p.
2	·86	·87	52·7	50·5	44·2	57·1	1·9	1·6	·347	·327	88	89	NW 2	NW 0·5	8	10	·071	
3	·74	·62	50·8	45·6	45·2	56·7	0·9	1·2	·349	·279	93	91	SW 1	SW 0·5	10	10	1·083	▲⁰ noon.
4	·47	·53	49·2	47·6	43·4	55·0	1·8	0·9	·306	·308	88	94	E 1	Calm 0	9	0	·060	● 0.15a.—6a. Fine day. ⌓ p.
5	·58	·74	51·6	49·8	44·1	58·2	0·7	0·9	·363	·335	95	93	SW 2	Calm 0	10	0	·015	Dull a. ●⁰ showers. ⌓ p
6	·81	·71	52·7	55·4	47·4	58·3	1·6	0·3	·354	·430	89	98	SW 0·5	SW 2	10	10	·325	Beautiful a., then ● showers.
7	·34	·50	57·5	49·7	49·3	59·4	5·1	2·4	·332	·297	70	84	WSW 4	WSW 2	7	8	·008	Beautiful day throughout.
8	·53	·15	55·9	46·9	43·8	59·0	4·4	0·8	·330	·301	73	95	WSW 3	W 1·5	2	2	·323	Beautiful a. ● 2p.—5p.
9	·17	·20	51·8	48·3	44·2	58·3	2·8	1·3	·313	·306	81	91	SW 2	SW 1	3	8	·055	Beautiful a. ●⁰ in afternoon. ≋⁰ p.
10	·24	·37	43·5	46·8	38·5	60·5	0·1	0·7	·280	·303	99	95	SW 0·5	NE 1	4	10	·092	≋ till 9a., then fine. Cold with ≋ p.
11	·37	·51	48·4	46·4	45·5	53·6	0·5	0·7	·328	·299	96	95	NE 1	W 0·5	10	3	·059	≋ a. and p. ● showers p. < eve.
12	·58	·63	39·6	42·7	35·7	58·6	0·2	0·7	·240	·259	98	94	SE 1	W 0·5	3	0	—	≋² a. Day fine. ⌓ ≋⁰ < p.
13	·74	·84	41·1	43·6	32·4	60·9	0·5	0·5	·247	·272	96	96	NW 1	NE 0·5	2	1	—	≋² ⌓² a. Beautiful day. < ⁰ ≋⁰ [⌓² p.
14	·88	·86	43·0	46·1	34·8	60·4	0·1	0·8	·275	·293	99	94	NW 0·5	NE 1	0	2	—	⌓ ≋ a. and p Fine day.
15	·83	·78	54·9	54·6	40·8	57·2	3·0	0·3	·349	·419	80	98	SE 2	SE 0·5	5	10	·173	Dull and damp from 10a. ●⁰ from 2p.
16	·66	·68	55·7	51·0	50·5	58·7	0·3	0·4	·435	·364	98	97	SE 1	NW 1	10	10	·220	≋ a. Dull with ● showers. [≋⁰ 9p.
17	·74	·74	49·1	47·3	45·0	62·0	0·4	0·3	·339	·319	97	98	WNW 1	SW 1	10	0	·122	●² 2p. ≋⁰ 9p.
18	·56	·22	53·1	52·2	43·2	57·5	1·2	1·1	·370	·361	91	93	SSE 3	ESE 5	9	10	·277	Dull and overcast. Squally ↗ p.
19	·02	·17	50·8	49·5	48·7	56·0	1·3	4·0	·339	·261	91	73	WSW 4	SW 2	10	10	·347	
20	·09	·16	52·4	47·0	47·0	55·6	2·6	0·3	·326	·316	83	98	SSE 3	E 1	5	5	·418	Dull and gloomy, with ●.
21	·23	·29	51·7	44·5	44·3	56·6	1·8	0·6	·337	·280	88	95	E 1	NE 1	6	0	—	⌓ p.
22	·32	·38	47·3	48·6	43·4	57·7	0·3	1·6	·319	·302	98	89	E 1	NE 1	10	10	—	≋⁰ early a. ⌓ a. and p. Fine day
23	·57	29·76	47·6	47·8	45·6	53·9	0·6	0·7	·315	·314	96	95	NW 2	NW 1	10	10	—	≋ n. Fine day. <⁰ ⌓ ≋⁰ p.
24	29·94	30·05	50·5	44·1	44·1	52·0	1·7	0·5	·324	·278	89	96	NNE 2	NNE 3	9	0	—	≋⁰ ⌓ a. ⌓ p.
25	30·11	30·10	44·9	40·6	52·4	0·8	0·5	·278	·245	94	96	NE 3	NE 2	7	0	—	≋ n. ⌓ a. and p. Fine day throughout.
26	30·05	29·86	46·4	47·6	40·6	51·6	1·3	1·6	·284	·290	91	89	NE 3	NE 4	10	10	·480	≋ ⌓ a. [out.
27	29·52	·60	44·1	52·4	43·5	54·0	0·1	0·6	·287	·377	99	96	NE 5	SE 1	10	0	·290	↗ ● n. ● most of day.
28	·68	·77	50·4	51·1	47·4	58·1	0·3	0·3	·358	·368	98	98	NE 1	NE 0·5	10	0	—	≋⁰ a. and p. [⌓² n.
29	·81	·85	50·9	51·0	46·1	56·2	0·2	0·8	·367	·353	99	94	ESE 1	Calm 0	9	0	—	≋ a. and p. Fine day throughout.
30	·87	·66	50·1	52·5	42·2	57·7	0·6	0·3	·347	·376	96	95	SW 1	SW 4	2	10	·750	≋⁰ early a. Beautiful day. ●² [10p
31	29·92	29·92	46·2	46·9	40·9	57·1	1·4	1·9	·281	·276	91	87	WSW 1·5	SW 1	0	0	·195	Beautiful day throughout.
Mean	29·614	29·625	49·6	48·3	43·5	57·2	1·3	1·0	·324	·316	91·1	93·1	1·9	1·3	7·1	4·8	5·366	

Babbacombe.—October 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	°/o	°/o					ins.	
1	29·66	29·68	51·1	50·1	46·1	58·9	3·3	3·1	·293	·285	78	79	NNE 3	NNE 3	7	4	—	Dull and gloomy *p.*
2	·66	·64	55·3	50·1	42·6	59·5	4·6	1·8	·315	·316	72	87	NE 1	WSW 1	2	10	·020	≋⁰ (mist) all day.
3	·54	·35	55·1	45·9	45·9	59·8	4·9	1·8	·305	·267	70	88	WNW 3	W 1	5	9	·110	▲⁰ 4*p.* ⌒² 5*p.* ⊕ parhelion 6*p.*
4	·20	·33	50·8	45·4	41·6	56·6	2·0	1·1	·319	·277	87	92	NW 2	SW 1	8	8	·170	● showers. ●² ▲⁰ noon. ⌓
5	·35	·52	51·3	48·6	45·2	58·4	1·0	1·4	·352	·307	93	90	WSW 3	WSW 2	9	9	·040	● showers *a.* ⌓ *p.* [≋⁰ (mist) *p.*
6	·57	·45	53·3	52·3	48·2	57·9	0·4	0·4	·396	·381	97	97	SW 3	SW 3	10	10	·210	≋⁰ *a.* and *p.* Dull day.
7	·18	29·29	55·6	47·9	47·9	58·7	5·7	2·0	·294	·285	67	86	W 6	WSW 5	4	2	·040	Squally ↗ (gale) 3*a.*–4*a.*
8	29·26	28·94	52·8	44·8	44·2	56·7	3·9	1·9	·299	·254	75	86	WSW 4	WSW 4	7	1	·440	●² *a.* and *p.*
9	28·93	28·96	53·3	44·8	42·2	56·9	3·7	1·0	·309	·273	76	92	WSW 3	WSW 1	2	2	·040	● showers. ⌓ *p.* [≋⁰ (mist).
10	29·01	29·03	47·9	43·8	41·3	59·9	1·3	0·8	·302	·268	91	94	SW 1	WNW 1	4	3	·090	⌓ *n.* and *p.* ⊕⁰ 9*a.* ● showers.
11	·17	·30	50·0	43·8	38·2	58·6	2·2	1·3	·305	·257	85	90	NNW 1	W 1	8	5	·010	⌓² *n.* and *p.* ≋⁰ (mist) ● showers [*p.*
12	·35	·39	53·9	42·8	41·1	60·0	5·0	1·1	·288	·251	69	92	WSW 2	W 2	3	3	—	⌓ *n.* and *p.*
13	·51	·61	53·7	46·6	36·7	61·3	4·8	1·0	·290	·294	70	93	NNW 2	NW 1	1	4	—	⌴ in past *n.* ⌓ *p.*
14	·64	·59	51·9	47·0	38·4	59·4	2·6	1·3	·318	·290	83	91	Calm 0	SSW 1	3	2	—	⌓² till 9*a.* ⊕ 1*p.*—3*p.* ≋⁰ (mist) [*a.* and *p.*
15	·52	·49	54·9	54·5	47·0	55·7	1·0	0·3	·401	·416	94	97	S 3	SW 3	10	10	·390	≋⁰ (mist) ● showers.
16	·41	·50	50·3	46·8	46·8	57·1	0·4	0·9	·355	·298	97	93	N 1	W 2	10	1	·280	Dull *a.* and *p.* ⌓ *p.*
17	·54	29·49	54·0	48·6	44·0	59·1	2·1	1·8	·358	·298	85	88	WNW 2	W 2	2	10	·050	● showers till 5*p.* ≋⁰(mist) T *p.*–10*p.*
18	29·23	28·82	53·3	52·5	45·9	55·0	1·1	0·5	·375	·381	92	96	SSE 3	SSE 3	10	10	·460	Dull, with ● showers.
19	28·90	·85	47·8	47·6	46·5	56·3	2·0	0·6	·284	·315	86	96	WNW 4	S 2	9	10	·520	Squally ↗ (gale) *n.* ●² showers.
20	·79	28·88	46·1	44·9	42·2	55·6	0·2	0·3	·307	·290	98	98	SW 1	NNE 1	9	2	·340	≋ (mist) ● showers. < 9*p.* Ʀ
21	28·97	29·02	45·7	50·0	39·2	55·7	0·2	1·4	·303	·324	99	90	N 2	ENE 4	9	8	·180	●² *a.* and *p.* [10*p.* ⌓² *p.*
22	29·06	·18	48·0	47·4	46·6	50·6	0·9	1·1	·312	·301	94	92	ENE 3	NNW 3	10	3	·040	Dull and gloomy, with ● showers.
23	·34	·52	51·6	44·4	43·2	56·4	2·7	0·4	·312	·283	81	97	W 1	N 1	7	2	·060	≋⁰(mist) ● showers. Ʀ *p.* [⌓ *p.*
24	·70	·79	47·3	45·8	44·2	51·8	1·0	1·7	·302	·269	93	88	NE 2	NE 2	10	2	—	Dull *a.*
25	·84	·83	44·8	47·6	43·4	49·9	1·0	2·8	·273	·264	92	81	NE 3	ENE 4	10	3	—	Dull till 10.15*a.*
26	·75	·56	46·2	47·9	46·0	49·4	1·4	2·7	·279	·269	91	81	ENE 5	ENE 7	10	10	·580	Squally ↗ · Very high sea and tide.
27	·31	·32	41·4	44·9	41·2	48·0	0·6	0·7	·247	·281	95	95	NNE 6	NNE 3	10	10	·110	Very high sea *a.* Squally *a.* Dull and [gloomy.
28	·41	·51	53·2	52·0	44·4	57·4	1·1	0·3	·374	·379	93	98	ESE 3	ESE 1	9	7	·010	● showers *a.* and *p.* ⌓ *p.*
29	·57	·63	51·4	46·8	46·4	55·2	0·4	0·6	·369	·305	97	95	Calm 0	SW 2	9	2	—	⌓ *n.* and *p.* ≋⁰ till 8*a.* ⊔⁰ 7*p.*
30	·58	·38	52·0	48·8	42·3	57·3	2·0	0·8	·335	·324	86	94	SW 5	NW 4	6	10	·340	Squally ↗ (gale) 2*p.*—7*p.* ●² *p.*
31	29·71	29·63	49·9	47·8	40·1	57·0	3·7	2·9	·270	·264	75	80	WSW 2	SSW 5	1	4	·280	●⁰ 8*p.* ⌓ *p.*
Mean	29·375	29·372	50·8	47·5	43·5	56·5	2·2	1·3	·317	·299	85·8	90·8	2·6	2·5	6·9	5·7	4·810	

Londonderry.—October 1889.

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

1	30·05	30·04	50·7	41·7	40·5	54·1	4·3	1·0	·266	·242	72	92	NW 1	SW 1	10	0	—	Fine all day.
2	29·93	29·72	44·7	48·7	40·0	57·0	1·0	1·9	·272	·297	92	87	SW 2	SW 1	8	10	·080	
3	·58	·66	46·6	46·4	45·3	57·3	1·4	0·7	·285	·299	90	95	NW 3	SW 2	10	10	·250	● all day.
4	·59	·46	50·7	50·4	45·5	52·8	2·6	0·7	·304	·348	83	95	NE 2	NE 2	10	10	·170	●² showers all day.
5	·47	·56	52·7	48·7	46·3	56·7	1·5	2·0	·356	·294	89	86	SW 2	SW 2	10	10	·050	● in afternoon.
6	29·58	·10	51·2	49·9	46·9	55·0	2·8	0·3	·306	·351	81	98	SW 3	SW 2	3	10	·920	
7	28·96	29·14	49·0	46·6	45·2	52·7	1·8	3·5	·303	·239	87	76	SW 6	W 4	10	5	·350	Squally ↗ ● all day.
8	29·05	28·84	44·6	38·7	38·0	50·2	2·4	0·5	·241	·225	82	96	SW 2	WSW 2	6	1	·690	Fine *a.* ● in evening.
9	28·64	28·90	48·4	45·7	36·0	52·7	1·4	0·7	·305	·291	90	95	SW 3	SW 2	10	10	·400	● showers all day.
10	29·04	29·25	47·2	44·2	43·5	56·5	1·0	0·8	·300	·272	93	94	SW 2	SW 2	4	2	·020	● showers.
11	·40	·45	45·5	44·7	41·0	55·6	0·8	0·8	·286	·277	95	93	SW 2	SW 2	6	3	·030	Fine day.
12	·55	·66	45·9	42·8	37·0	58·4	0·8	0·8	·290	·257	95	94	NE 2	NW 1	7	6	—	Fine day.
13	·76	·83	50·7	43·6	36·0	54·6	2·1	1·3	·316	·255	86	89	SW 2	SW 2	2	10	—	Fine all day.
14	·80	·69	47·7	48·7	35·3	54·3	1·7	2·5	·289	·283	88	82	SW 2	SW 2	7	10	·020	Fine all day.
15	·50	·53	52·1	49·7	47·2	55·0	1·5	2·0	·350	·306	89	86	SW 3	SW 2	10	0	·030	● at noon.
16	·57	·58	47·5	46·8	43·0	57·4	1·3	0·6	·297	·306	91	95	SW 2	SW 1	10	0	·130	Fine day.
17	·62	·57	49·9	47·2	44·0	55·3	0·7	0·8	·340	·305	95	95	SE 2	SW 2	7	0	·020	Fine all day.
18	·33	·45	49·2	50·1	43·2	51·3	1·8	0·6	·305	·347	88	96	NE 1	SW 2	10	10	·240	● showers.
19	·14	·10	49·4	48·7	47·0	51·3	2·4	2·0	·293	·294	84	86	NE 2	SW 2	10	10	·020	
20	·14	·24	48·7	49·2	42·0	51·3	2·0	1·0	·294	·324	86	93	E 2	E 1	6	10	·130	● showers during day.
21	·39	·55	52·2	46·7	45·0	52·2	2·8	2·0	·318	·272	81	86	SE 2	SW 2	10	0	·030	Fine all day.
22	·68	·77	49·7	44·7	43·2	53·3	3·0	1·7	·283	·257	80	87	NE 2	NW 2	10	0	·030	Fine *a.* ● in evening.
23	29·84	29·97	46·7	41·7	39·0	53·8	2·0	1·0	·272	·242	86	92	E 2	NW 2	10	1	—	Fine all day.
24	30·07	30·13	42·0	40·7	37·5	54·3	1·1	1·0	·243	·233	91	92	SE 2	SW 1	10	0	—	Fine all day.
25	·22	·25	35·7	38·2	33·0	53·1	0·5	0·9	·200	·212	96	92	SW 2	SW 1	10	1	—	≋ *a.* Fine day.
26	·23	30·20	42·7	41·7	35·0	48·0	1·3	1·7	·246	·228	89	87	NE 2	NE 2	10	10	—	
27	30·10	29·97	39·0	39·7	35·0	51·7	1·3	2·7	·212	·192	90	78	NE 2	NE 2	2	0	—	Fine all day.
28	29·88	·75	36·7	41·0	35·0	50·4	0·5	1·3	·208	·229	96	90	SW 2	SW 2	0	10	·040	Fine all day.
29	·57	·55	46·0	46·7	39·9	50·4	1·3	1·0	·280	·295	91	93	SW 3	SW 1	10	10	·030	Stormy *a.* ●⁰ in evening.
30	·29	·40	53·7	40·7	40·0	54·0	2·8	0·7	·336	·239	81	94	SW 2	SW 2	10	0	·340	● all day.
31	29·60	29·42	45·0	48·2	39·0	53·0	1·4	3·0	·266	·265	89	79	SW 2	SW 2	3	10	·740	
Mean	29·567	29·561	47·2	45·2	40·8	53·7	1·7	1·5	·286	·273	8[illegible]	90·1	2·2	1·8	7·8	5·5	4·750	

Armagh.—October 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	°/o	°/o					ins.	
1	29·92	29·90	50·7	40·5	36·4	55·2	3·5	0·7	·284	·237	77	94	N 0·5	N 0·5	0	8	—	
2	·79	·59	51·9	47·9	37·0	55·3	3·0	2·4	·311	·276	80	84	N 0·5	SSE 1	3	10	·105	
3	·43	·48	50·2	46·3	45·9	52·0	0·6	0·5	·348	·302	96	97	S 1	NE 1	10	10	·168	
4	·41	·30	50·2	49·2	44·0	54·8	1·5	5·4	·325	·229	90	65	NNE 1	NW 1	10	10	·325	
5	·34	29·45	54·7	46·8	46·8	57·6	4·6	1·1	·306	·294	72	92	NW 0·5	WSW 1	10	9	·062	
6	29·48	28·97	52·2	49·3	45·5	56·2	2·0	0·6	·337	·336	86	96	SW 1	S 4	10	10	·580	
7	28·83	29·08	49·0	43·6	42·7	54·5	1·4	1·5	·312	·250	90	88	WNW 4	WSW 2	10	8	·045	↗ (great storm) *n.* and early *a.*
8	·98	28·73	45·6	38·6	38·0	48·8	2·8	0·8	·244	·219	81	94	SSW 3	SW 2	9	4	·110	
9	·60	28·79	47·7	45·0	36·2	53·5	1·1	0·8	·304	·280	92	94	SW 4	SW 2	9	2	·014	
10	28·95	29·13	48·6	44·6	42·0	56·2	2·1	1·6	·292	·258	86	88	SW 2	SSW 1	7	7	—	
11	29·28	·34	42·6	42·4	38·3	54·8	0·4	1·2	·264	·245	97	91	SSW 1	W 1	10	8	—	
12	·40	·52	44·0	39·8	39·3	52·5	0·2	0·1	·283	·242	98	100	SW 0·5	SW 0·5	10	0	—	≋ till 9*a.* and 9*p.*
13	·62	·70	51·2	38·0	36·1	57·5	2·4	0·2	·316	·224	84	98	SW 1	WSW 0·5	3	0	·005	
14	·69	·57	40·4	47·6	31·8	54·5	1·6	2·8	·218	·265	87	81	Calm 0	S 1	4	10	—	
15	·40	·43	52·7	48·8	45·0	56·5	0·9	1·3	·373	·313	94	91	S 2	SSW 1	10	10	—	Overcast all day.
16	·47	·48	48·8	48·1	46·6	55·6	1·0	0·2	·321	·332	93	98	SSW 1	SSW 1	10	10	·060	
17	·51	·43	49·6	46·7	46·1	53·9	0·9	0·7	·332	·302	94	95	SSW 1	SSW 1	10	10	·190	
18	29·20	29·03	49·9	50·2	45·0	51·3	1·0	1·3	·333	·330	93	91	SE 2	ESE 1	10	10	·320	Overcast, with ● showers, all day.
19	28·97	28·89	49·4	48·2	47·0	50·7	1·3	0·6	·320	·323	91	96	E 2	NE 3	10	10	·082	
20	28·95	29·07	47·2	46·8	39·3	50·3	1·3	0·8	·294	·301	91	94	E 2	ENE 1	10	9	·282	
21	29·21	·36	48·3	45·9	42·8	52·5	1·2	1·1	·309	·285	92	93	NE 2	NE 1	9	9	—	
22	·49	·60	49·7	45·7	44·0	51·7	3·0	2·0	·283	·262	80	86	NE 2	NE 1	10	10	·020	
23	·66	29·82	48·6	37·9	37·2	51·6	2·1	0·1	·292	·225	86	99	NNE 1	NE 1	10	0	—	≋ after 9*p.*
24	29·92	30·00	41·6	36·8	31·9	51·1	1·7	0·1	·228	·216	87	99	Calm 0	NE 0·5	2	5	·006	≋ till 8*a.*
25	30·07	·09	38·9	35·8	32·3	51·2	0·0	0·1	·237	·208	100	99	Calm 0	NE 0·5	10	9	·045	≋ early *a.*
26	30·07	30·01	45·2	42·8	35·0	47·5	1·4	0·8	·269	·257	90	94	ENE 1	ENE 1	9	10	—	
27	29·89	29·76	45·0	39·6	38·4	47·6	3·2	1·7	·229	·210	77	86	NE 2	N 1	9	9	—	
28	·73	·63	40·8	37·8	31·0	49·3	2·0	1·9	·214	·191	84	84	N 0·5	N 1	0	3	—	≋ before 9*a.*
29	·50	·46	42·5	47·7	35·8	51·6	2·2	1·2	·226	·302	83	92	S 3	SSW 1	10	10	—	Overcast all day.
30	·21	·29	53·4	39·2	38·9	55·3	1·6	1·0	·364	·220	90	92	SSW 3	SW 2	10	0	·287	
31	29·54	29·36	44·9	47·7	37·0	52·4	1·8	2·7	·256	·267	87	81	SSW 4	SSW 1	7	10	·435	
Mean	29·435	29·427	47·6	44·0	39·8	53·0	1·7	1·2	·291	·265	88·0	91·4	1·6	1·2	8·1	7·4	3·141	

Markree Castle (Sligo).—October 1889.

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

1	29·99	29·95	50·0	45·4	44·9	51·2	3·3	0·7	·280	·288	78	96	NNE 0·5	Calm 0	10	10	—	Overcast all day.
2	·85	·65	48·1	47·1	36·9	54·2	2·7	0·7	·271	·307	81	95	SSE 1	SSE 0·5	9	10	·440	
3	·56	·60	48·1	47·6	46·2	49·3	0·9	0·7	·313	·313	93	95	NNW 4	NNE 0·5	10	10	·450	Overcast all day.
4	·55	·46	49·1	49·2	45·0	52·8	1·1	0·0	·321	·351	92	100	N 2	NNW 3	10	10	·360	Overcast all day.
5	·44	29·53	51·2	47·0	45·5	52·1	0·5	1·2	·363	·293	97	92	NW 2	S 0·5	10	10	·030	Overcast all day.
6	·56	28·85	52·9	49·9	46·3	55·2	2·1	0·5	·344	·346	87	97	SW 1	SSE 7?	10	10	·580	Overcast all day. ↗ ● in evening.
7	·07	29·20	47·0	43·5	43·0	53·1	0·7	1·7	·306	·246	95	86	?NW 8?	SW 2	10	8	·140	↗ ● in past *n.*
8	29·04	28·83	43·7	36·9	36·2	49·6	1·3	0·7	·256	·205	89	94	SW 2	SW 1	10	6	·590	
9	28·71	28·88	50·2	47·3	36·1	53·7	1·3	1·9	·330	·302	91	93	WSW 3	SW 1	9	10	·110	
10	29·02	29·18	49·7	40·0	39·4	56·3	2·1	0·4	·304	·239	86	97	SSW 0·5	Calm 0	6	7	·180	
11	·36	·41	45·3	45·2	34·7	54·3	0·6	0·7	·289	·285	96	95	*NW* 0·5	SSW 0·5	7	10	·060	
12	·44	·61	45·3	38·8	38·2	55·7	0·5	0·4	·291	·228	96	97	ESE 0·5	Calm 0	9	4	·070	
13	·71	·77	46·1	34·9	32·0	55·6	0·4	0·4	·303	·195	97	96	Calm 0	Calm 0	9	4	·010	
14	·73	·60	41·3	48·4	30·4	51·0	0·0	1·9	·260	·293	100	87	SSE 1	SSE 2	10	10	—	≋ before 9*a.*
15	·42	·48	52·2	47·0	46·3	57·6	1·1	0·6	·361	·308	93	96	SSW 2	SSE 0·5	10	9	—	
16	·51	·53	47·9	46·0	44·7	57·9	0·7	0·4	·315	·301	95	97	SSE 1	SSW 1	10	9	·060	
17	·56	·47	50·4	45·1	44·2	56·3	0·6	0·7	·352	·284	96	94	SSW 1	SSE 0·5	10	9	·170	
18	·17	29·03	48·0	51·0	42·3	51·2	0·8	1·2	·314	·343	94	92	SSE 2	ESE 4	10	10	1·840	
19	·00	28·95	49·2	48·5	42·4	51·2	0·9	1·7	·330	·299	95	88	ESE 1	ENE 3	10	10	·170	
20	·02	29·12	47·4	48·0	44·1	51·2	2·2	1·7	·275	·292	84	88	ENE 2	E 1	5	10	·030	
21	·29	·43	51·5	47·2	44·0	54·4	2·7	1·5	·312	·289	82	90	ENE 1	NE 1	8	9	—	
22	·57	·69	49·0	47·0	43·8	54·6	2·6	3·0	·285	·253	82	79	NNE 2	NE 1	8	8	—	
23	29·76	29·89	49·2	38·7	37·1	55·3	3·8	0·3	·261	·229	74	97	NNE 2	NNE 0·5	9	6	—	
24	30·00	30·07	34·9	31·1	27·2	52·8	2·9	0·3	·149	·166	73	95	Calm 0	Calm 0	4	4	—	⌴
25	·13	·15	36·3	41·3	25·0	49·3	3·9	0·9	·146	·241	67	93	SW 0·5	Calm 0	2	10	—	⌴
26	·11	30·09	43·4	36·7	31·9	45·7	1·5	1·1	·249	·196	88	90	ESE 2	NNE 0·5	10	7	—	
27	30·00	29·91	43·4	41·6	34·8	49·1	2·9	2·7	·221	·209	78	80	NNE 2	NNW 2	3	7	—	
28	29·82	·69	40·1	40·6	29·6	51·0	2·0	1·2	·208	·227	84	90	Calm 0	SSE 1	4	10	·070	
29	·53	·52	46·9	43·8	40·1	52·0	1·1	0·2	·295	·281	93	99	S 2	Calm 0	10	10	·090	Overcast, with ●⁰.
30	·25	·39	51·0	38·0	36·3	52·2	1·6	0·5	·333	·218	89	96	SSW 3	SSW 1	10	4	·220	
31	29·58	29·31	47·2	47·9	36·2	54·0	0·8	2·7	·305	·269	95	81	SSW 2	SSE 5?	8	10	·489	
Mean	29·508	29·491	47·0	43·9	38·9	52·9	1·6	1·0	·288	·268	88·4	92·4	1·7	1·3	8·4	8·4	6·150	

DUBLIN (PHŒNIX PARK).—OCTOBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·95	29·94	43·5	39·3	36·1	54·6	1·0	0·6	·260	·229	92	96	Calm 0	Calm 0	3	2	—	
2	·85	·69	44·3	47·6	37·3	49·8	1·3	2·9	·261	·262	90	80	Calm 0	Calm 0	7	9	·210	Cloudy day.
3	·53	·48	47·0	47·3	46·3	48·6	1·0	0·8	·298	·307	93	95	W 2	NNW 1	10	10	·325	Dull, with ● 0 all day.
4	·46	·39	49·9	49·0	44·4	52·6	3·2	0·7	·281	·330	79	95	NW 1	WNW 1	6	10	·300	Dull, with ● 0 from 11a.
5	·40	·54	51·2	49·4	47·7	54·7	1·3	2·2	·343	·298	91	85	W 1	WSW 1	9	10	·005	Dull and cloudy.
6	29·57	·17	51·4	51·7	46·8	56·6	1·8	2·2	·333	·327	88	86	WSW 1	SSE 2	9	10	·550	Cloudy a. Dull p.
7	28·93	29·22	50·5	44·7	44·6	56·2	3·8	2·8	·275	·235	75	79	W 4	WSW 2	8	1	·055	Cloudy, with squally
8	29·12	28·85	47·8	41·7	40·8	53·0	4·3	1·4	·236	·235	71	89	SW 2	WSW 1	2	3	·020	Beautiful day.
9	28·79	28·91	45·7	47·1	38·6	54·5	1·7	1·5	·268	·288	88	89	SW 3	SW 1	10	3	·045	Dull a. Cloudy p.
10	29·04	29·20	48·1	37·4	37·2	56·7	1·8	0·7	·291	·210	87	94	WSW 1	Calm 0	6	1	·010	Cloudy day. ● 6 showers p.
11	·34	·41	44·7	41·5	31·7	51·5	1·9	0·6	·253	·247	86	96	Calm 0	W 1	1	1	—	Bright a. Cloudy p.
12	·44	·56	48·3	39·0	36·5	53·8	2·4	0·5	·281	·228	83	96	Calm 0	Calm 0	8	0	·005	Cloudy day. 0 p.
13	·69	·76	40·3	38·2	36·2	53·0	0·3	0·7	·243	·216	98	95	NW 1	Calm 0	10	0	—	0 a. and p.
14	·74	·67	42·6	44·2	29·2	55·3	0·4	1·2	·264	·263	97	91	Calm 0	Calm 0	7	10	—	0 p.
15	·51	·50	55·1	47·8	42·2	57·0	2·0	0·3	·377	·325	87	98	SSW 1	Calm 0	10	10	·060	Dull day. ● 0 p.
16	·54	·56	50·2	49·3	39·8	57·8	1·3	1·4	·330	·316	91	90	Calm 0	Calm 0	8	8	·040	Cloudy a. Bright p.
17	·58	·50	50·7	47·5	46·9	56·8	1·1	0·9	·342	·306	92	93	Calm 0	Calm 0	8	9	·110	a. Cloudy, with ● 0 showers.
18	29·25	29·03	50·7	50·8	42·5	53·2	0·9	1·2	·348	·341	94	91	SE 1	E 2	10	10	·850	Dull, with ● 0.
19	28·97	28·03	49·5	45·3	44·5	51·0	1·0	0·4	·328	·294	93	97	E 1	Calm 0	10	10	·830	Dull, with ● 0.
20	28·92	29·04	47·3	47·8	35·0	51·8	0·7	1·8	·309	·288	95	87	NE 1	Calm 0	10	3	·065	Dull, with ● 2 a. Cloudy p.
21	29·21	·33	50·9	50·8	47·2	53·3	2·8	2·6	·303	·306	82	82	E 1	ENE 2	8	7	·420	Cloudy day. ● showers p.
22	·44	·57	50·6	48·3	47·3	51·3	3·1	3·4	·292	·259	79	76	NNE 2	NE 3	10	3	·215	Dull day. ● 0 showers p.
23	·62	29·82	48·4	43·5	42·9	52·0	0·9	2·0	·318	·240	94	84	NNE 2	Calm 0	10	0	·030	Dull and cloudy, with ● 0 showers.
24	29·95	30·02	43·3	42·0	33·7	50·0	1·7	0·5	·244	·256	87	96	Calm 0	Calm 0	4	3	·050	Cloudy, with ● 0 showers.
25	30·08	30·10	47·8	44·2	37·2	50·6	2·7	2·3	·267	·240	81	82	E 1	ENE 1	3	9	·160	0 before 9 a. Bright a. Cloudy p.
26	30·07	29·99	46·1	47·3	35·5	50·7	2·1	2·6	·264	·265	85	82	ENE 1	E 1	9	10	·045	Cloudy day. ● 0 showers p.
27	29·87	·76	44·6	43·1	42·7	47·5	2·6	2·1	·237	·233	80	83	NNE 3	NNW 2	9	10	·020	Dull and cloudy, with ● 0 showers.
28	·75	·71	40·8	35·1	34·9	47·0	1·8	0·7	·217	·191	86	93	NW 1	Calm 0	8	2	—	
29	·64	·57	45·0	52·3	31·6	53·9	3·5	1·5	·224	·352	75	90	SW 1	SSW 2	10	8	·005	Dull a. Cloudy p.
30	·35	·41	53·9	40·8	40·4	55·3	1·9	1·2	·361	·230	87	91	SSW 4	WSW 1	10	1	·230	Dull, with squally ● 2 a. ● 2 p
31	29·68	29·48	46·1	49·4	37·9	54·1	3·1	4·7	·243	·245	78	69	SW 2	S 2	1	7	·060	Beautiful day.
Mean	29·492	29·486	47·6	45·3	39·9	53·0	1·9	1·6	·287	·270	86·6	88·7	1·2	0·8	7·5	5·8	4·715	

PARSONSTOWN (BIRR CASTLE).—OCTOBER 1889.

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

1	29·93	29·92	47·8	47·8	38·0	54·7	1·9	1·6	·286	·293	86	88	Calm 0	Calm 0	9	10	—	Bright and calm.
2	·83	·64	44·7	47·7	33·6	54·7	1·4	0·9	·264	·309	89	94	Calm 0	Calm 0	1	10	·189	0 (mist) a. ● from 6p.
3	·60	·51	50·8	47·7	44·9	51·8	3·9	0·8	·276	·312	74	94	WNW 2	NW 2	8	10	·154	Cool and windy, with ●
4	·50	·46	48·6	48·7	44·5	54·9	1·7	0·8	·302	·324	88	94	NW 1	NW 2	10	10	·249	● showers. Bright 11a.—3p.
5	·44	·55	49·9	47·3	46·8	52·1	2·0	1·7	·309	·285	87	88	NW 1	Calm 0	10	6	—	
6	·58	·01	52·7	51·0	44·3	55·8	2·2	1·0	·339	·348	86	93	SW 1	SSE 5	6	10	·500	Dull. Squally ● 2 from 6p.
7	·14	29·26	51·6	45·3	44·5	55·1	4·7	2·4	·269	·249	71	82	WSW 3	WSW 3	8	9	·100	Squally ● 2 ● 2 (severe storm) n.
8	29·09	28·86	46·3	40·9	39·7	50·6	2·6	1·1	·256	·233	82	91	SSW 2	W 2	10	6	·240	● ▲ in past n. Cool with ● showers.
9	28·80	28·92	47·7	47·7	31·9	52·8	2·4	1·5	·274	·294	83	89	SW 2	SW 2	10	10	·090	Squally a. ● showers.
10	29·03	29·17	48·9	40·8	39·9	55·6	1·6	0·8	·307	·237	89	94	Calm 0	Calm 0	2	0	·030	▲ ● showers.
11	·33	·41	42·9	42·6	32·2	53·6	0·2	0·8	·271	·256	99	93	Calm 0	Calm 0	7	6	—	a.
12	·40	·57	48·3	37·8	37·7	53·6	1·2	0·2	·309	·222	92	98	Calm 0	Calm 0	10	7	·102	● showers. p.
13	·68	·74	42·7	39·4	39·9	55·7	0·3	0·6	·268	·230	97	95	Calm 0	Calm 0	7	0	—	a. Day fine and bright. p.
14	·68	·59	45·7	49·2	37·9	53·9	1·4	2·1	·275	·298	90	86	Calm 0	Calm 0	10	10	—	a. Dull and cold.
15	·44	·47	53·7	48·8	46·9	57·3	1·7	1·0	·364	·321	88	93	Calm 0	Calm 0	10	10	·011	Dull and mild. 0 (mist) p.
16	·51	·54	49·7	49·6	41·7	56·3	1·5	0·8	·318	·335	89	95	Calm 0	Calm 0	1	10	·306	0 a. Bright a. ● 0 (mist) p.
17	·56	29·47	50·9	47·0	46·7	54·6	1·1	1·1	·346	·296	93	92	SW 1	Calm 0	10	8	·204	● n. and a. Day mild.
18	29·13	28·96	50·5	47·6	46·1	54·7	1·2	0·9	·336	·308	91	94	SE 1	Calm 0	10	10	·749	● n. Mild with ● all day.
19	28·97	28·89	44·8	45·3	42·0	48·1	0·8	0·6	·278	·289	94	96	Calm 0	Calm 0	10	10	·060	● all past n. Dull with ● showers.
20	28·92	29·02	39·7	48·5	36·8	50·5	0·7	5·8	·230	·216	94	63	Calm 0	Calm 0	8	8	·098	Fine and frosty a. Day mild with ●
21	29·17	·31	46·9	45·2	40·6	53·1	0·9	0·7	·299	·285	94	95	Calm 0	Calm 0	9	2	·052	a. [showers.
22	·44	·58	47·3	47·6	42·8	51·7	1·4	2·4	·292	·273	90	83	NNE 1	NW 3	10	10	·030	Dull, cool, and windy.
23	·65	29·81	44·0	40·6	39·8	50·4	1·3	0·9	·259	·234	90	93	NW 1	Calm 0	9	2	·023	Cool with ● 0. in evening.
24	29·95	30·01	35·8	36·2	29·0	51·2	0·6	0·4	·199	·206	95	96	Calm 0	Calm 0	0	2	—	a. Day fine but cold. 2 p.
25	30·06	30·07	30·7	40·0	26·8	50·6	1·4	1·1	·137	·224	80	91	Calm 0	Calm 0	7	7	—	a. Bright afternoon. p
26	30·03	29·99	41·0	39·5	36·7	47·6	0·9	1·5	·237	·212	93	88	Calm 0	Calm 0	9	10	·014	2 a. Cool with ● 0 showers.
27	29·88	·80	40·5	38·4	35·8	47·5	1·6	2·1	·219	·191	87	83	N 1	NNW 3	8	3	—	a. Bright with cool breeze.
28	·76	·69	38·7	31·3	30·8	48·6	2·4	0·5	·189	·163	81	92	Calm 0	Calm 0	0	3	—	a. Fine but cool. 2 p.
29	·59	·53	41·7	51·8	30·7	53·6	1·0	0·7	·243	·366	93	95	Calm 0	S 3	10	10	·111	Dull and squally. ● in afternoon.
30	·31	·42	54·5	39·7	38·5	55·0	2·6	0·8	·352	·228	82	93	SW 2	SSW 1	10	7	·188	Dull day. ● in afternoon.
31	29·64	29·46	46·7	49·1	36·1	53·7	2·5	3·3	·261	·271	82	77	SW 1	S 4	7	10	·104	Bright and mild.
Mean	29·486	29·471	46·0	44·5	38·5	52·9	1·6	1·3	·276	·268	88·0	90·3	0·6	1·0	7·6	7·3	3·604	

SWANBISTER.—NOVEMBER 1889.

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. Gravity Correction, + ·036.

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·15	28·91	47·0	45·1	42·5	49·1	2·0	1·6	·275	·263	89	88	SSE 7	NE 4	10	8	·640	
2	·17	29·43	46·0	47·0	43·1	48·9	2·0	2·1	·265	·273	86	85	NNW 5	NW 4	5	7	·070	
3	·41	·48	45·7	43·0	42·0	47·1	3·1	1·4	·239	·247	79	89	WNW 2	W 1	7	7	—	Prismatic U 9p.
4	·64	·61	43·4	35·0	34·2	47·1	4·4	1·0	·193	·184	69	90	NW 1	SW 1	6	0	·030	⊕
5	·52	·71	42·8	44·0	34·5	48·1	1·8	3·8	·236	·209	86	72	SSW 4	W 3	7	8	·110	⊕ (parhelion) 8.30a. ● 2 before 6p.
6	·85	29·87	49·5	54·0	34·3	54·0	1·0	0·7	·329	·397	94	95	W 3	SW 3	8	10	·640	
7	29·85	30·03	52·9	48·0	47·2	55·3	0·7	3·8	·381	·247	95	74	WSW 5	WNW 5	10	8	·070	● till 2p. U 9p.
8	30·13	·13	48·5	45·0	43·2	48·5	4·4	2·2	·241	·249	71	84	WNW 4	NW 1	8	8	·100	
9	·12	·02	45·0	50·5	42·7	50·4	0·3	1·0	·292	·339	98	93	SW 1	W 5	10	10	·500	Steady ● 0.
10	·12	·15	51·0	50·5	49·1	52·0	0·2	0·5	·369	·355	99	97	WNW 3	W 5	10	8	·090	Steady ● 0 till afternoon.
11	·21	·18	50·1	48·0	46·7	52·0	0·9	0·3	·338	·327	93	98	WNW 3	SSW 1	9	7	·020	
12	·06	·14	47·7	46·3	42·5	51·0	0·7	0·6	·313	·300	95	96	SW 1	WNW 2	8	10	·030	
13	·22	·13	46·1	46·6	44·2	48·0	1·3	0·4	·282	·308	91	97	W 1	SSW 1	10	—	·030	
14	30·08	30·07	40·6	41·0	40·0	47·0	0·3	0·5	·247	·277	97	96	S 1	SSW 1	—	—	—	
15	29·96	29·89	47·0	49·2	43·0	52·0	0·8	1·2	·303	·319	94	92	S 3	SSW 4	—	—	·100	
16	30·25	30·43	45·0	42·2	41·0	49·0	3·2	0·7	·229	·254	77	94	WNW 3	SW 3	—	—	—	
17	·40	·38	39·5	46·5	36·0	47·0	1·1	1·9	·221	·272	91	87	WSW 1	SSW 1	—	—	—	
18	·38	·34	45·8	48·4	46·0	51·0	1·5	0·6	·307	·325	89	96	SSW 1	S 1	—	—	—	
19	·34	·35	42·2	47·8	41·0	51·0	0·4	1·6	·261	·293	96	88	WSW 1	SW 2	—	—	—	
20	·34	30·33	45·1	44·8	43·0	50·0	0·9	0·6	·279	·283	93	96	SSW 2	ENE 1	—	—	—	
21	30·19	29·97	44·0	45·5	40·0	48·0	1·3	1·5	·259	·270	90	89	SSW 3	S 5	—	—	·030	
22	29·85	·84	47·3	44·8	44·0	47·5	0·8	1·8	·307	·255	95	86	WSW 1	SSW 1	—	—	·020	No observations of cloud or weather, owing to Mr. Fortescue's absence from home.
23	·90	·79	45·5	44·0	42·0	48·0	3·5	2·5	·229	·234	76	81	WSW 4	SSW 5	—	—	—	
24	·42	·06	45·0	45·0	43·0	47·0	1·2	0·5	·271	·287	91	96	SSW 7	W 3	—	—	·400	
25	·09	·28	35·4	32·5	30·0	45·0	0·9	1·7	·190	·149	92	81	NNW 6	NW 6	—	—	·020	
26	·24	29·39	32·5	31·5	29·0	32·5	1·5	1·5	·134	·143	78	80	WNW 5	NNW 7	—	—	·040	
27	·75	30·01	30·8	32·5	27·0	32·5	1·8	0·9	·130	·166	74	90	NNW 7	NNW 4	—	—	·060	
28	·97	29·98	37·5	40·8	31·0	42·0	1·2	0·8	·201	·237	90	94	NW 4	NW 3	—	—	·170	
29	·94	·85	43·5	42·0	39·0	45·0	0·5	0·6	·271	·254	96	95	W 2	SSW 3	—	—	—	
30	29·84	29·90	42·5	44·5	40·0	46·0	1·7	1·0	·236	·271	87	93	S 5	S 4	—	—	—	
Mean	29·879	29·889	44·2	44·3	40·1	47·7	1·5	1·3	·261	·266	88·3	89·7	3·2	3·0	—	—	3·170	

DUNROBIN CASTLE.—NOVEMBER 1889.

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

1	29·17	29·19	49·3	44·4	43·2	51·7	3·8	2·7	·263	·234	74	80	SE	W	—	—	·540	Dull and blowy a. ● p.
2	·35	·62	45·6	43·9	43·7	51·5	2·1	2·4	·259	·233	85	81	NW	NW	—	—	·070	Fine a. ● showers. Cold p.
3	·55	·61	40·4	36·4	35·5	47·5	3·2	1·0	·189	·197	76	92	NE	N	—	—	—	Fine and clear.
4	·71	·72	43·0	33·0	32·5	47·5	5·1	1·7	·180	·153	64	81	N	N	—	—	—	Fair a. Frosty p.
5	29·63	29·92	41·9	43·4	29·5	51·5	2·4	2·8	·218	·222	83	79	N	N	—	—	·080	Fine, but cold a. Cloudy p.
6	30·03	30·02	45·4	51·5	38·1	53·5	3·7	2·2	·224	·324	74	85	W	W	—	—	—	Fine a. Dull p.
7	29·97	·19	57·2	49·5	46·5	58·7	3·7	0·8	·362	·333	77	94	W	NW	—	—	—	Mild.
8	30·28	·24	48·3	46·4	46·2	54·0	4·3	1·5	·241	·280	71	89	W	NW	—	—	·330	Fine and sunny a. Cloudy p.
9	·18	·17	47·0	52·2	44·5	59·6	1·0	4·9	·298	·270	93	70	NE	NW	—	—	—	Dull a. Mild p.
10	·23	·27	53·0	51·0	46·2	53·5	2·0	2·3	·347	·316	86	84	NE	NE	—	—	—	Fine and clear.
11	·34	·30	47·9	44·2	43·5	53·5	2·2	1·8	·280	·252	85	86	W	N	—	—	—	Fine and clear.
12	·15	·25	49·0	46·4	41·0	54·0	2·0	2·8	·298	·253	86	81	S	W	—	—	—	Fine, clear, and mild.
13	·26	·18	47·0	46·4	43·2	50·0	1·0	2·8	·298	·253	93	81	SE	W	—	—	—	Dull and cloudy.
14	·10	30·09	40·0	48·5	36·6	49·3	1·4	6·9	·218	·196	89	58	E	W	—	—	—	Fine and clear a. Dull p.
15	·04	29·98	46·0	51·5	41·7	54·7	3·1	3·2	·242	·300	78	79	N	SW	—	—	—	Fine a. Dull p.
16	·29	30·50	38·9	36·3	35·5	52·3	1·5	4·0	·212	·145	90	66	NE	N	—	—	—	Fine and clear.
17	·48	·46	33·1	41·0	32·7	51·3	0·6	1·1	·176	·233	93	91	NE	N	—	—	—	Clear a. Dull and cloudy p.
18	·44	·39	44·9	48·3	40·5	51·5	0·7	1·1	·281	·311	95	92	S	N	—	—	—	Cloudy p.
19	·41	·42	45·9	48·5	41·5	52·7	3·0	2·3	·244	·285	79	83	N	NE	—	—	—	Fine and mild.
20	·44	·36	44·9	46·6	38·4	54·0	0·7	0·7	·281	·302	95	95	N	N	—	—	—	Fine and mild.
21	·24	30·04	47·2	45·2	45·2	52·0	2·3	1·3	·271	·271	84	90	N	NE	—	—	·060	Dull and cloudy.
22	·00	29·95	47·2	44·9	41·5	52·5	1·6	2·5	·287	·242	89	82	N	N	—	—	·250	Dull, with ● a. Cold p.
23	30·06	·84	40·9	44·6	39·4	50·0	1·5	0·0	·224	·294	88	100	N	NE	—	—	—	Fine a. Dull and cold p.
24	29·54	·19	46·9	45·9	43·5	49·5	2·0	1·5	·274	·276	86	90	S	NW	—	—	·150	Cloudy a. Windy. ● showers p.
25	·26	·45	36·8	31·5	31·5	46·5	3·3	3·2	·160	·110	73	63	S	SW	—	—	·080	✳ ● (sleet) a. ✳ showers p.
26	·44	29·60	27·8	32·8	27·8	36·0	1·3	2·7	·114	·133	75	71	S	N	—	—	·220	✳ a. and p.
27	29·88	30·12	33·8	34·8	28·3	36·7	2·0	1·3	·154	·176	80	88	N	SW	—	—	—	✳ showers a. and p.
28	30·12	30·11	36·1	39·5	28·3	42·0	2·3	2·0	·171	·202	79	84	S	SW	—	—	·070	Milder a. Clear p.
29	30·02	29·88	40·2	38·2	38·1	42·0	3·4	1·7	·184	·197	74	86	N	NE	—	—	—	Mild a. Thawing p.
30	29·91	30·05	44·9	43·9	36·6	45·5	4·7	0·7	·202	·270	67	95	S	SW	—	—	·250	Fine and mild a. ● p.
Mean	29·982	30·003	43·7	43·7	38·7	50·2	2·4	2·2	·238	·242	82·0	83·2	—	—	—	—	2·100	

BRAEMAR.—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Vapour Tension.		Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%							ins.	
1	27·92	27·88	40·9	37·0	35·2	45·7	1·2	1·4	·231	·193	91	88	NE	0·5	W	8	10	10	1·330	● showers.
2	28·22	28·43	39·1	38·4	35·9	43·2	1·6	2·6	·208	·183	87	79	W	4	W	2	10	2	·200	● showers. Snow on hills.
3	·33	·42	36·5	38·3	34·6	42·5	1·0	0·6	·197	·219	92	95	SW	0·5	SW	2	10	8	·090	Dull and damp.
4	·50	·52	38·6	30·5	30·4	41·5	1·3	1·0	·209	·145	90	87	NE	0·5	SE	0·5	9	0	·020	● *a.*
5	·43	·63	37·6	43·3	29·2	45·2	1·7	0·8	·193	·263	85	94	SW	0·5	SW	0·5	6	9	·020	Fine day.
6	·82	28·86	40·3	49·5	36·4	50·1	2·5	2·2	·200	·299	80	85	SW	0·5	SW	2	4	7	—	Fine day.
7	28·86	29·01	53·7	44·5	44·3	55·5	2·2	3·7	·352	·216	86	73	SW	4	SW	2	8	2	—	Fine day.
8	29·05	28·96	42·8	44·9	41·7	48·3	2·3	0·4	·227	·285	83	96	SW	0·5	SW	0·5	6	9	·090	Fine day.
9	28·94	28·96	51·2	48·5	44·3	59·3	2·0	3·2	·325	·266	86	78	SW	2	SW	2	5	6	—	Fine day.
10	29·02	29·06	49·7	44·5	44·5	58·7	1·2	0·8	·326	·274	92	94	SW	2	SW	0·5	6	2	—	Fine day.
11	29·11	·03	33·4	35·5	32·7	51·5	1·7	0·6	·157	·197	82	95	SW	0·5	SW	0·5	10	7	—	Fine day.
12	28·95	·05	47·0	47·5	34·6	49·4	1·5	2·9	·287	·261	90	80	SW	2	SW	0·5	8	8	—	
13	29·09	29·01	42·8	32·2	32·2	49·5	0·5	0·5	·264	·172	96	94	SW	0·5	SW	0·5	7	1	—	Fine day.
14	28·95	28·97	27·2	38·6	26·6	45·3	0·5	1·1	·133	·213	89	92	SW	0·5	SW	0·5	1	8	—	Fine day.
15	28·89	28·88	44·1	47·5	38·3	48·7	1·1	3·0	·264	·259	91	80	SW	0·5	SW	2	9	8	—	Fine day.
16	29·18	29·35	35·7	29·7	29·6	47·8	1·3	0·8	·186	·144	88	87	SW	0·5	SW	0·5	0	0	—	Fine day.
17	·26	·32	34·7	33·5	26·4	44·5	2·8	1·4	·148	·163	74	85	SW	2	SW	0·5	0	0	—	Fine day. Meteors seen.
18	·27	·24	39·6	46·3	31·6	47·5	0·8	1·6	·227	·276	93	89	SW	0·5	SW	0·5	7	8	—	
19	·25	·26	47·3	44·9	43·5	49·5	1·7	2·4	·285	·245	88	83	SW	0·5	SW	0·5	8	8	—	
20	·25	29·20	46·3	42·6	39·3	47·8	1·0	3·1	·290	·210	93	78	SW	1	SW	1	8	5	—	
21	29·09	28·96	42·3	42·6	40·5	44·3	2·4	2·1	·220	·229	82	85	SW	2	SW	4	8	8	·070	
22	28·76	·78	48·7	41·8	40·3	49·3	1·2	2·0	·314	·225	92	85	SW	4	SW	0·5	10	9	·240	Dull, with ●.
23	·88	·83	37·6	40·6	37·1	45·2	2·1	3·3	·186	·189	82	74	SW	1	SW	2	6	8	—	Fine and clear.
24	·48	·05	40·6	44·1	39·1	44·7	1·9	1·6	·214	·254	86	87	SW	6	SW	0·5	7	10	·060	Dull and damp.
25	·04	·30	34·7	30·0	29·2	46·3	2·9	2·0	·146	·116	73	69	NW	6	NW	4	7	8	·030	Stormy, with ✳.
26	·23	·27	26·7	28·7	25·7	41·5	0·8	0·8	·120	·135	83	86	SW	0·5	NW	4	9	10	·030	Stormy, with ✳.
27	·57	·85	27·3	28·7	25·8	37·7	1·1	1·0	·115	·129	78	83	SW	6	NW	0·5	9	8	·100	Stormy, with ✳ ✢.
28	·94	·93	33·0	36·8	28·4	37·3	1·0	2·1	·167	·180	89	82	SW	0·5	SW	0·5	8	8	—	
29	·86	·77	37·8	36·6	36·0	40·2	1·1	0·6	·206	·205	91	95	SW	0·5	SW	0·5	7	8	—	
30	28·73	28·82	37·8	40·4	35·5	40·5	1·9	1·6	·191	·218	84	87	SW	2	SW	2	8	9	—	
Mean	28·795	28·819	39·8	39·6	35·0	46·6	1·5	1·7	·220	·212	86·5	85·5		1·7		1·5	7·0	6·5	2·280	

LAUDALE.—NOVEMBER 1889.

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

1	28·94	29·26	46·0	46·0	42·9	58·0	1·6	3·0	·274	·244	89	79	? SSE 6	W	7	10	10	·940	↗² ● all day. Wind changed to N.
2	29·55	·67	46·9	42·0	40·0	48·2	2·9	1·3	·254	·239	80	90	NNW 5	NW	1	7	6	·040	↗ ●⁰ showers. [noon. ▲ *p.*
3	·46	·59	45·9	46·0	39·3	47·1	1·6	0·7	·273	·294	89	95	W	1	Calm	0	10	10	·110	≋⁰ (mist) ●⁰ *p.*
4	·74	·75	42·1	38·0	36·4	46·8	2·1	0·8	·224	·212	84	93	Calm	0	N	1	4	6	·550	Day fine and clear.
5	29·54	29·87	45·4	45·2	37·2	49·9	1·4	1·6	·271	·264	90	88	S	1	NW	2	9	9	·160	●² showers.
6	30·11	30·10	47·8	55·0	43·7	55·6	2·0	0·3	·283	·424	86	98	W	2	W	4	10	10	·360	●² showers.
7	·11	·31	55·0	50·3	49·9	58·7	2·0	2·8	·375	·295	87	81	W	4	NW	2	10	2	·280	
8	·37	·24	51·1	53·8	47·5	54·1	2·8	0·9	·305	·388	81	93	WSW	2	W	2	9	10	·540	Dull *a.* ●⁰ ≋⁰ (mist) from *3p.*
9	·27	·28	53·0	50·8	49·9	55·1	0·9	0·9	·377	·348	94	93	W	1	W	2	10	10	·260	≋⁰ (mist) ● *a.* ● showers *p.*
10	·33	·35	51·7	49·2	47·6	57·3	4·3	0·2	·277	·345	73	99	Calm	0	Calm	0	10	10	·030	≋⁰ (mist) ●⁰ *a.* Dull all day.
11	·36	·29	48·9	50·2	44·9	51·7	1·9	1·9	·299	·315	87	87	Calm	0	SE	3	10	10	·020	Dull all day. Squally *n.*
12	·22	·24	52·0	50·0	48·4	57·8	2·2	1·0	·330	·334	85	93	S	1	S	1	10	10	—	Dull and gloomy.
13	·26	·18	50·2	46·5	42·8	51·8	1·9	1·8	·315	·274	87	88	Calm	0	Calm	0	9	10	—	Very mild all day.
14	·17	·12	42·8	47·0	37·3	47·4	1·9	0·6	·234	·308	85	96	E	1	ESE	2	10	10	·110	∞² all day.
15	·03	·02	52·0	51·4	46·0	52·8	2·5	1·4	·323	·343	83	90	SW	3	W	4	10	10	·450	Dark all day. ● from *6p.*
16	·41	·55	40·0	38·8	36·9	57·8	1·0	0·9	·226	·218	92	93	Calm	0	Calm	0	3	2	—	Fine and clear.
17	·53	·49	46·8	50·2	35·4	50·2	2·8	1·0	·255	·337	80	93	S	1	S	4	8	10	—	Dull and gloomy.
18	·48	·46	52·0	52·0	48·6	54·4	1·8	1·6	·340	·345	87	89	S	4	E	2	8	10	—	Dull and gloomy all day.
19	·45	·47	52·2	51·0	48·4	53·8	2·2	2·6	·332	·309	85	82	ESE	1	SW	1	10	9	—	Dull *a.* Very mild all day.
20	·47	·39	50·4	47·9	46·0	57·8	2·5	2·0	·303	·284	83	86	E	4	Calm	0	5	10	·050	Fine *a.*, lower clouds moving fast.
21	30·24	30·06	48·0	50·0	45·0	54·9	1·4	2·8	·299	·291	90	81	Calm	0	Calm	0	10	10	·260	●⁰ most of day. [Dull *p.*
22	29·95	29·95	47·1	46·0	42·2	53·0	1·1	3·0	·297	·244	92	79	SW	2	W	2	7	10	·300	● *p.*
23	30·15	·99	44·0	46·0	44·0	55·5	3·8	1·1	·209	·285	72	92	Calm	0	SE	2	7	3	·210	Mild and dry all day. Cold at night.
24	29·62	·19	47·2	47·2	44·9	48·6	1·2	0·8	·205	·305	92	95	Calm	0	W	2	10	10	·960	● all day.
25	·36	·55	37·4	34·0	33·4	47·7	1·5	1·0	·194	·176	87	89	N	3	N	1	6	8	·130	▲ before *9a.* ✳ showers all day.
26	·47	29·65	33·0	31·8	31·8	36·7	1·0	0·8	·167	·172	89	97	N	2	N	3	10	8	·110	✳² showers all day. Strong squalls *n.*
27	29·90	30·18	29·9	33·0	29·1	35·7	0·3	0·8	·158	·171	95	91	N	2	N	1	4	9	·050	✳² showers all day.
28	30·20	30·19	37·9	38·8	31·9	40·8	1·9	1·8	·191	·201	84	85	N	1	SE	1	10	10	·070	✳ ● showers.
29	30·06	29·92	40·6	44·0	35·5	44·5	0·6	3·0	·240	·224	95	77	SSW	2	S	3	10	9	·020	●⁰ during day.
30	29·88	29·96	46·0	47·9	43·0	48·2	3·0	1·9	·244	·286	79	87	S	6	S	3	10	10	·290	↗ · ●² showers at night.
Mean	30·021	30·041	46·1	46·0	41·7	51·1	1·9	1·5	·272	·283	86·1	89·3		1·8		1·9	8·5	8·7	6·320	

DUNDEE.—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Vapour Tension.		Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%							ins.	
1	28·92	28·95	44·5	44·5	40·7	47·7	0·7	4·2	·277	·207	94	70	SE	12	SW	10	10	10	—	
2	29·25	29·48	45·4	42·4	42·0	50·7	3·6	1·9	·226	·231	75	86	W	6	W	1	10	7	—	Dull day.
3	·28	·41	39·0	40·5	37·0	46·3	0·8	0·0	·222	·253	94	100	E	1	NE	1	10	10	·100	●⁰ showers.
4	·56	·60	41·4	33·9	32·8	42·6	0·4	0·1	·253	·193	97	99	W	1	W	1	10	10	·100	● showers *n.* and during day.
5	·55	·69	36·7	44·6	30·5	45·6	0·6	1·1	·206	·270	95	92	N	1	W	1	10	10	—	Dull day. ≋
6	·96	29·94	38·1	47·9	33·4	50·6	1·3	1·3	·203	·301	88	91	SE	1	SW	2	10	10	—	
7	29·94	30·13	44·8	47·8	42·7	57·1	1·4	2·3	·264	·277	89	84	W	10	NW	1	5	5	—	Cloudy. Gusty at night.
8	30·19	·07	46·4	48·4	43·2	51·2	1·4	0·7	·282	·323	90	95	E	1	W	1	10	10	·050	Dull day. ●⁰ showers from *5p.*
9	·08	·05	52·3	49·6	44·8	58·8	1·2	0·8	·360	·335	92	95	SE	1	SW	4	10	7	—	
10	·09	·12	50·4	48·9	45·6	59·6	2·0	2·4	·315	·289	87	84	W	1	W	2	5	5	—	Fine day.
11	·20	·16	44·1	47·1	42·3	49·4	0·1	0·9	·287	·302	99	93	W	1	W	1	5	10	—	Fine day. ● showers at night.
12	·10	·11	48·6	48·2	46·3	50·9	1·0	0·7	·318	·320	93	96	SW	1	W	1	10	10	—	Dull day. ≋
13	·13	·03	42·0	37·4	37·4	49·0	0·2	0·0	·263	·224	98	100	NW	1	NW	1	10	7	—	Dull day. ≋
14	30·02	30·02	40·5	42·6	37·0	42·6	0·6	0·0	·239	·273	95	100	W	1	W	1	10	10	—	Dull day. ≋
15	29·96	29·94	44·0	49·0	41·8	51·6	0·7	1·5	·272	·310	94	90	NW	1	W	1	10	10	—	Dull day. ≋
16	30·25	30·43	43·8	35·0	34·1	50·5	3·3	1·0	·217	·184	75	90	NW	2	NW	1	0	0	—	Fine day.
17	·41	·42	33·7	37·3	28·4	41·5	1·8	0·6	·157	·211	82	95	NW	1	W	1	7	0	—	Fine day.
18	·38	·33	43·0	48·3	36·3	49·7	0·5	0·9	·266	·316	96	94	SW	1	SW	1	10	10	·050	● showers *1p.—4p.*
19	·34	·35	48·6	45·7	45·1	50·8	1·7	0·3	·302	·302	88	98	W	1	W	1	10	10	—	Dull day.
20	·36	·29	48·1	43·6	41·8	49·3	0·9	0·8	·313	·260	93	93	SW	1	W	1	10	10	—	Dull day.
21	30·19	30·05	43·2	43·9	38·1	45·5	1·5	1·4	·247	·256	89	89	SW	1	SE	1	10	10	—	Dull day.
22	29·84	29·84	50·5	44·4	43·0	51·5	2·0	0·9	·317	·272	87	93	SW	1	W	1	10	10	350	● *11.30a.—6p.*
23	·99	·88	41·5	41·4	40·2	46·5	1·7	1·4	·227	·231	87	89	W	2	W	2	5	7	—	Fine day.
24	·68	·09	42·5	45·9	37·9	46·2	2·0	1·4	·230	·278	85	91	SW	1	SW	2	10	10	·050	● showers from *9a.*
25	·05	·34	37·4	32·4	31·4	46·5	2·3	2·6	·180	·130	81	71	NW	4	NW	4	0	0	—	Fine day.
26	·30	·29	27·1	33·7	24·3	34·1	0·6	3·2	·128	·132	87	68	NW	1	W	8	5	10	—	✳ at night.
27	29·61	29·95	33·3	31·4	28·9	36·2	1·4	1·9	·162	·133	85	75	NE	8	NW	2	10	5	—	Gusty ↗ till *4p.* ♕
28	30·00	30·00	32·9	37·5	29·2	38·9	1·0	2·8	·167	·173	89	77	NW	1	W	2	5	10	—	Dull day.
29	29·90	29·83	39·3	38·8	35·3	41·7	2·0	0·5	·202	·226	84	96	W	1	W	1	10	10	—	Dull day.
30	29·85	29·94	39·1	40·6	32·7	41·2	1·3	0·9	·213	·234	89	93	SW	1	SW	1	10	10	—	
Mean	29·879	29·890	42·1	42·4	37·5	47·4	1·3	1·3	·244	·248	89·2	89·6		2·2		1·9	8·2	8·1	0·700	

GLASGOW.—NOVEMBER 1889.

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

1	28·71	29·13	48·4	43·8	40·4	49·7	3·7	3·3	·254	·217	75	75	SE 3	WSW 5	10	10	·220	Overcast, with squally ↗ ●⁰.
2	29·40	·53	45·0	41·6	40·9	48·9	3·8	1·5	·218	·231	73	89	W 2	WSW 3	6	2	·150	Cloudy, with squally ↗ · ♈ *10p.*
3	·30	·42	43·9	44·0	39·4	47·0	0·4	0·3	·277	·280	97	98	ENE 1	W 1	10	10	·120	Overcast, with ●⁰. ♈ *10p.*
4	·54	·60	43·0	37·5	37·4	46·1	1·1	0·3	·253	·218	91	97	Calm 0	NE 1	10	10	·020	Cloudy, with ●⁰. ≋⁰ *n.*
5	·52	29·72	43·7	47·4	35·7	48·7	1·1	1·1	·269	·301	91	92	S 1	WSW 2	8	10	—	Cloudy.
6	29·98	30·00	44·9	50·4	42·2	50·8	2·3	0·6	·246	·351	83	96	WSW 1	SW 3	9	10	·080	Cloudy, with ●⁰.
7	30·02	·18	52·5	47·6	47·6	54·5	0·9	1·6	·379	·290	94	89	SW 3	SSW 1	10	3	—	Overcast and gloomy, then fine.
8	·21	·10	48·6	52·3	46·1	53·0	1·6	0·6	.302	·375	89	96	SW 1	WSW 2	7	10	·040	Overcast, with ●⁰.
9	·10	·11	51·7	49·1	48·7	54·2	0·6	1·0	·367	·323	96	93	WSW 2	W 2	10	8	—	Dull and overcast.
10	·15	·18	50·9	49·4	49·0	54·2	0·8	1·0	·352	·327	94	93	W 1	W 1	8	9	—	Dull and overcast.
11	·21	·16	46·7	47·5	44·9	50·8	0·9	0·6	·297	·313	94	96	WSW 1	SW 1	7	10	—	Gloomy and overcast.
12	·10	·11	48·0	49·6	47·2	51·9	0·9	1·6	·323	·315	94	89	W 1	WSW 1	10	10	—	Dull, overcast, and gloomy.
13	·10	30·03	43·3	36·5	36·5	50·2	0·7	0·3	·265	·210	94	97	E 1	NNE 1	8	5	—	≋⁰.
14	30·02	29·99	40·5	46·5	35·9	47·0	0·5	0·8	·241	·297	96	94	NNW 1	SSE 1	*10*	10	·010	⌣⁰ ≋⁰ *a.* Cloudy, with ●⁰.
15	29·93	29·93	50·3	50·3	46·2	53·7	1·9	2·2	·316	·308	87	85	S 2	S 1	8	10	·070	
16	30·28	30·41	41·4	37·6	37·6	50·8	2·3	1·3	·214	·199	82	89	W 1	E 1	2	6	—	Fine day. ⌣⁰ ≋⁰.
17	·41	·38	33·2	43·3	31·1	44·8	0·8	1·2	·173	·254	91	90	S 1	NE 1	10	10	—	⌣² ≋⁰. Cloudy day.
18	·36	·33	46·9	47·7	43·2	49·6	0·8	0·9	·302	·308	94	94	NE 1	NE 1	10	10	·010	Gloomy and overcast.
19	·33	·34	50·0	49·7	47·2	52·2	2·4	1·5	·301	·318	84	90	S 2	SSW 1	10	10	—	Dull and overcast.
20	·36	·30	47·9	43·4	43·2	50·6	1·7	2·4	·292	·231	88	81	SSW 1	S 1	10	10	—	Gloomy and overcast.
21	30·16	30·00	44·2	46·0	42·8	46·9	1·6	2·0	·254	·264	88	86	SSE 3	SSE 3	10	10	·080	Dull and overcast.
22	29·80	29·86	52·5	45·9	44·9	53·0	1·4	0·9	·357	·288	91	94	S 4	WSW 1	10	10	1·060	Overcast, with squally ↗ ●².
23	30·01	·90	42·0	41·4	40·9	47·6	1·5	1·8	·235	·223	89	86	SW 1	SSW 2	6	4	—	
24	29·53	·01	43·8	47·1	38·9	48·0	1·0	0·3	·263	·317	92	98	S 1	WSW 1	10	10	·460	Overcast, with ●².
25	·14	·38	38·7	33·5	32·4	48·5	3·0	2·6	·179	·142	76	74	W 3	WNW 1	4	0	·110	⌣⁰ ●⁰ *a.* ✳⁰ at night.
26	·26	·38	31·7	30·5	28·1	34·3	0·5	2·1	·168	·120	95	71	WSW 1	WNW 2	10	1	—	✳⁰ *a.* ♕ *8p.*
27	29·68	29·99	31·5	32·2	28·1	36·0	2·1	4·7	·131	·094	73	50	W 1	NNW 3	6	1	—	Fine and sunny.
28	30·04	30·03	35·8	37·7	29·0	39·2	3·8	1·3	·142	·201	67	89	NW 1	WSW 1	10	10	—	Dull and overcast.
29	29·91	29·81	39·5	40·7	36·3	42·9	0·6	2·2	·230	·209	95	83	W 1	S 1	10	10	—	Gloomy and overcast.
30	29·80	29·89	41·9	43·3	40·1	45·2	1·7	1·8	·230	·241	87	86	E 1	SE 1	10	9	—	Dull and overcast.
Mean	29·878	29·906	44·1	43·8	40·1	48·3	1·5	1·5	·260	·259	88·0	88·0		1·5		1·6	8·6	7·9	2·430	

Wolfelee.—November 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	28·46	28·73	46·0	42·0	39·5	49·5	2·5	2·5	·255	·216	83	82	SW	SW	—	—	·380	↗ (gale) n. and early a. ● showers p.
2	·95	29·09	43·0	37·5	38·0	46·0	3·5	1·5	·206	·195	75	87	SW	SW	—	—	·060	Blowy a. Fine and clear p.
3	28·90	28·92	45·0	47·0	34·0	49·0	1·5	0·3	·264	·316	89	98	SSW	SW	—	—	·160	●⁰ a. Dull day.
4	29·06	29·16	43·5	34·0	41·0	49·5	0·8	0·5	·264	·186	94	95	N	SW	—	—	·120	● a. Fine and clear p.
5	·11	·30	38·5	42·0	28·0	44·0	1·0	1·0	·213	·245	92	92	SW	SW	—	—	—	Fine and clear.
6	·50	·56	51·5	47·0	36·0	45·0	0·5	1·0	·367	·298	96	93	SW	SW	—	—	—	Fine a. Blowy p.
7	·57	·67	51·5	47·0	44·0	53·0	1·0	2·0	·354	·275	93	86	SW	SW	—	—	—	Dull and blowy a. Fine and clear p.
8	·75	·64	46·0	52·0	38·5	55·0	2·0	1·5	·265	·348	86	90	SW	SW	—	—	—	Dull a. Fine p.
9	·64	·64	52·0	50·5	43·5	52·0	2·0	1·0	·335	·342	86	93	SW	SW	—	—	—	Dull a. Fine p.
10	·67	·69	49·0	44·0	43·0	56·0	1·0	1·5	·322	·255	93	88	SW	SW	—	—	—	Very fine.
11	·74	·69	38·0	46·0	35·0	56·5	1·0	1·5	·208	·276	91	90	SW	SW	—	—	—	Fine and clear a. Dull p.
12	·65	·67	46·0	45·5	38·0	50·5	1·0	1·0	·287	·287	93	93	SW	SW	—	—	—	Dull a. Fine p.
13	·65	·57	36·0	36·0	30·0	50·0	0·5	1·0	·203	·193	96	91	W	W	—	—	—	≋⁰ (mist) a. and p.
14	·56	·56	42·0	44·5	28·0	42·5	1·0	1·0	·245	·271	92	92	W	SW	—	—	·080	Fine a. Dull, with ● showers p.
15	·49	·53	48·0	47·0	41·0	48·0	1·0	1·0	·309	·298	93	93	SW	SW	—	—	·030	Dull, with ● showers a. Fine and blowy p.
16	·78	·95	41·5	29·5	38·5	51·5	2·0	1·0	·221	·137	85	83	E	E	—	—	—	Fine and clear.
17	·93	·94	37·5	45·0	27·0	46·0	1·0	1·0	·205	·275	92	92	W	W	—	—	—	Fine a. Dull p.
18	·90	·88	45·5	46·0	37·0	46·5	1·5	1·0	·270	·287	89	93	SW	SW	—	—	—	Fine day. Mild p.
19	·90	·89	45·5	47·0	41·0	49·5	2·0	1·5	·259	·287	86	90	SW	SW	—	—	—	Fine a. Dull p.
20	·89	·84	45·0	46·0	42·0	51·0	1·5	1·5	·264	·276	89	90	SW	NW	—	—	—	Mild a. Fine day.
21	·74	·64	39·0	42·0	33·0	47·0	1·5	1·5	·209	·235	88	89	W	WSW	—	—	—	Dull day.
22	·43	·44	48·0	41·0	37·0	49·0	1·5	1·5	·297	·225	90	88	SW	W	—	—	·180	Dull, with ●⁰ a. ● p.
23	·56	29·47	38·0	36·0	35·0	52·0	1·5	1·0	·199	·193	87	91	W	W	—	—	—	Fine and clear.
24	29·17	28·66	39·0	43·0	32·0	43·0	0·5	1·3	·228	·249	96	90	SW	SW	—	—	·020	Dull and blowy a. Blowy, with ● p.
25	28·66	·93	34·5	28·0	31·5	45·2	2·0	1·5	·161	·110	80	72	NW	NW	—	—	—	Fine and clear.
26	28·86	28·88	31·0	25·0	25·0	39·4	1·0	0·5	·148	·117	85	87	W	NW	—	—	—	✳ early a. Blowy a. Fine p.
27	29·12	29·44	30·0	29·0	22·5	33·8	1·0	1·0	·140	·130	83	82	N	NNW	—	—	—	Cold and blowy.
28	·54	·51	27·0	33·0	22·0	35·0	0·1	1·5	·144	·157	98	83	SW	SW	—	—	—	Clear and frosty a. Fine p.
29	·47	·38	36·0	35·5	25·0	36·0	1·5	1·0	·184	·189	87	91	SW	SW	—	—	—	Dull day.
30	29·38	29·48	36·5	36·5	30·5	41·2	2·0	1·0	·179	·197	83	92	SW	SW	—	—	—	Fine a.
Mean	29·434	29·458	41·7	40·8	34·6	47·1	1·4	1·2	·240	·236	89·0	89·2	—	—	—	—	1·030	

Scarborough.—November 1889.

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

1	29·23	29·33	44·9	42·5	40·0	49·3	0·2	0·7	·294	·257	99	94	S 6	W 3	10	9	·110	Fine early a., then stormy, with ●.
2	·49	·61	41·4	40·7	38·8	49·3	1·0	0·8	·238	·237	92	93	SW 3	W 2	1	0	·050	Brilliant and cold.
3	·50	·41	44·0	48·9	38·8	49·0	0·0	0·4	·288	·336	100	98	S 1	SW 1	10	9	·090	Dull, with ●.
4	·51	·62	48·5	43·2	43·0	49·3	0·2	0·6	·336	·266	99	95	NW 1	NW 2	10	9	·100	Dull, with ● a. Finer p.
5	29·67	29·81	36·7	42·5	33·8	46·8	0·6	0·5	·206	·261	95	96	SW 2	SW 2	3	0	—	Bright and beautiful.
6	30·03	30·12	45·5	42·0	40·0	49·6	1·1	0·6	·279	·254	92	95	W 1	W 2	7	3	—	Brilliant day.
7	·11	·16	50·8	53·0	41·4	57·3	0·4	0·6	·361	·385	97	96	W 4	W 2	2	2	—	Bright a. Cloudy afternoon.
8	·27	·16	50·0	49·6	46·8	53·3	2·9	0·2	·288	·351	81	99	W 2	W 1	10	8	—	Fine early a., then cloudy. Bright later.
9	·11	·14	51·6	50·4	49·0	59·0	0·9	0·7	·358	·346	94	95	NW 1	SW 1	5	3	—	Brilliant day.
10	·11	·20	50·1	50·4	45·0	58·3	1·0	0·8	·335	·344	93	94	W 3	W 2	1	7	—	Brilliant day.
11	·24	·23	48·4	47·2	47·0	51·1	0·3	0·2	·333	·321	98	99	SW 2	SW 1	10	10	—	Dull, with damp ≋.
12	·22	·20	48·3	39·7	39·5	48·9	0·2	0·3	·334	·238	99	97	S 1	SW 1	10	2	—	Dull till 3p., then bright.
13	·18	·11	41·1	36·7	36·5	46·8	0·3	0·0	·251	·218	97	100	S 1	SE 1	0	4	—	Brilliant but damp and cold. ∞ 9p.
14	·13	·09	42·4	46·1	35·4	46·6	0·4	0·0	·262	·312	97	100	S 2	SW 1	10	10	·130	Dull day. ● from 3p.
15	·08	·10	45·7	48·9	44·0	50·5	0·0	0·0	·307	·346	100	100	SW 2	SW 2	3	0	·020	≋ at times.
16	·24	·45	49·9	44·2	43·5	51·3	0·2	0·3	·355	·283	99	97	SW 2	SW 1	10	1	·010	● till 10a. Bright afternoon.
17	·49	·48	42·2	41·9	36·8	47·3	0·3	0·2	·262	·262	97	99	SW 1	SW 1	1	0	—	Brilliant.
18	·47	·43	43·3	45·1	41·2	47·7	0·2	0·3	·276	·293	99	97	SW 2	S 1	2	0	—	Dull, with ≋.
19	·46	·47	45·0	42·5	41·2	47·8	0·2	0·6	·295	·259	98	95	SW 1	S 1	10	0	—	Dull, with ≋.
20	·45	·40	39·7	40·9	38·0	42·5	1·3	1·3	·218	·228	89	90	S 1	SW 1	10	10	—	
21	·32	30·29	37·4	39·4	36·0	41·5	1·2	0·3	·199	·235	90	98	S 2	S 1	10	10	—	Dull and overcast.
22	·08	29·94	36·9	50·8	35·0	51·3	0·2	0·6	·215	·356	98	95	SW 4	S 4	0	7	·050	
23	30·07	30·05	43·7	40·9	38·5	51·3	0·5	0·5	·273	·244	96	96	SW 1	S 1	6	0	·040	Very brilliant.
24	29·74	29·23	42·8	47·4	39·0	48·3	0·1	0·7	·273	·309	99	95	SW 2	S 8	10	0	·100	Dull, then fine.
25	·09	·40	39·7	35·1	35·0	48·3	2·8	3·2	·190	·146	77	70	SW 7	W 4	0	0	·010	Very brilliant.
26	·37	·31	32·1	32·4	30·5	38·3	0·3	1·1	·174	·159	96	87	SW 2	W 3	7	0	·500	Very brilliant. ✳⁰
27	·44	29·79	32·0	37·2	31·0	39·8	0·7	2·4	·165	·176	91	80	SW 5	NW 5	10	0	980	✳ storm with K ▲² ↗ (gale).
28	·94	30·01	33·6	37·2	31·6	37·6	1·0	2·4	·172	·176	89	80	W 2	N 1	6	5	—	✳ early a. Day very fine and bright, but cold.
29	·94	29·88	39·1	39·9	34·0	40·6	1·9	1·5	·201	·215	85	88	NW 2	W 1	8	10	·010	
30	29·95	30·06	39·5	38·5	36·0	40·1	1·6	2·6	·209	·184	87	79	S 1	NW 2	10	10	—	
Mean	29·963	29·982	42·9	43·2	38·9	48·0	0·7	0·8	·265	·267	94·1	9 ·2	2·2	2·0	6·4	4·3	2·200	

Cronkbourne (Douglas), Isle of Man.—November 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·09	29·42	45·8	46·3	43·2	51·0	1·8	2·0	·267	·268	87	86	WSW 7-8	WNW 7	10	3	·062	Squally ↗ ● showers.
2	·62	·66	47·6	48·0	43·2	50·0	2·6	1·2	·268	·304	82	92	WNW 4	W 3	3	10	·470	Fine day. ● at night.
3	·35	·49	52·0	50·6	47·0	53·6	0·1	1·6	·385	·327	99	89	W 3	SSW 2	10	10	·112	Dull, with ● showers.
4	·64	·70	47·0	36·0	36·0	50·6	2·0	0·8	·275	·197	86	93	NW 4	N 1	8	6	·160	Fine day. ● at night. ⌓ 9p.
5	29·61	29·85	46·0	44·8	34·9	52·3	0·3	0·2	·304	·292	98	99	Calm 0	WNW 2	7	3	·004	● a. Cloudy day. ⌓ p.
6	30·09	30·16	48·0	52·0	40·2	52·4	2·6	0·8	·272	·366	82	94	W 1	W 3	8	9	·001	Fine day.
7	·18	·26	54·0	51·8	51·8	55·4	0·5	0·5	·403	·372	97	96	W 4-5	WNW 3	10	3	·003	↗ a. Overcast.
8	·33	·26	49·9	54·7	44·6	54·7	1·0	0·8	·333	·405	93	94	WNW 2	W 4	9	10	—	Dull day.
9	·25	·24	51·8	51·5	50·4	54·7	1·0	1·5	·359	·342	93	90	WNW 4	WNW 2	10	10	·001	Dull day.
10	·25	·26	50·2	49·0	45·6	52·0	0·1	0·2	·361	·343	99	99	WNW 4	WNW 2	7	10	·002	⌒ a. Dull day. ⌓² p.
11	·28	·22	48·0	49·8	47·2	50·0	0·2	0·6	·330	·342	99	95	Calm 0	SSE 2	10	10	·002	Overcast, with ≋⁰ (mist). ≋ p.
12	·18	·17	51·0	48·8	48·5	51·3	0·4	0·6	·364	·331	97	95	SSE 3	ESE 2	10	10	—	≋ 9a. Overcast, with ≋⁰ (mist).
13	·14	·09	45·2	46·8	43·4	49·2	1·2	1·8	·273	·277	91	87	ESE 3	S 2	9	10	—	Overcast, with ≋⁰ (mist).
14	·11	·05	46·7	49·8	44·2	50·8	1·7	0·0	·279	·359	88	100	Calm 0	SSE 2	9	10	—	Overcast, with ≋⁰ (mist).
15	·04	·07	52·4	52·4	48·9	55·8	0·5	0·4	·379	·382	96	97	SSW 3	SW 5	8	8	·157	Dull day. ↗ ● at night.
16	·34	·45	48·4	33·2	33·2	52·6	2·6	0·4	·277	·182	82	96	NE 2	NNW 1	0	0	·002	Very fine. ⊔² p.
17	·45	·45	44·0	50·0	30·3	50·7	0·2	0·2	·283	·356	98	99	Calm 0	ESE 1	6	10	·066	Dull day. ≋⁰ (mist) p.
18	·43	·42	50·0	51·4	48·4	51·4	0·1	0·4	·358	·369	99	97	ESE 2	SSW 3	10	10	·146	≋ ● a. Overcast, with ≋⁰ (mist).
19	·42	·43	51·4	50·0	47·4	51·9	0·4	1·0	·369	·334	97	93	S 3	SE 3	10	10	·002	Overcast, with ≋⁰ (mist).
20	·44	·34	45·0	47·8	43·0	50·0	2·2	2·8	·249	·265	84	80	ESE 2	SSE 3	10	10	—	Overcast, with ≋⁰ (mist).
21	30·24	30·07	45·4	50·0	44·5	50·0	1·0	1·8	·281	·314	93	87	SE 3-4	SSE 4	10	10	—	≋⁰ (mist) a. Overcast.
22	29·95	29·98	54·1	45·0	44·6	54·1	1·3	0·2	·381	·294	91	98	S 5	WNW 1	10	10	·370	↗ a. Overcast. ● ≋⁰ (mist) p.
23	30·11	30·01	46·0	36·7	35·0	51·2	1·0	0·7	·287	·204	93	94	SSW 1	N 1	2	6	—	Fine day. ⊔ p.
24	29·68	29·11	48·4	50·0	35·0	50·0	2·4	0·0	·281	·361	83	100	SSW 3	S 4	7	10	·624	Fine a. ● from 2p.
25	·31	·52	42·1	38·0	35·8	50·0	1·3	1·2	·240	·204	90	89	NW 5-7	NW 3-4	7	6	·266	Dull, with squally ↗ ▲² ●² showers.
26	·45	29·48	38·5	35·2	32·2	49·8	2·2	1·2	·191	·182	82	88	WNW 4-5	NW 4-5	2	8	·110	Snow on mountains. △ ● showers.
27	29·72	30·03	35·0	31·0	30·2	38·5	2·0	1·0	·164	·148	80	85	N 4	N 1	3	2	—	✳⁰ ▲⁰ n. Fine day.
28	30·11	30·13	38·0	37·8	29·9	41·5	2·3	0·5	·185	·216	81	96	NNW 3	NW 3	7	3	·002	
29	30·02	29·89	40·9	43·0	35·5	43·2	0·9	1·8	·236	·238	93	86	Calm 0	Calm 0	9	9	·160	Dull day.
30	29·85	29·96	46·8	47·8	40·9	49·0	0·3	2·8	·314	·265	98	80	SSE 3	SE 4	10	10	·003	Dull day.
Mean	29·990	30·005	47·0	46·0	41·2	50·6	1·2	1·0	·298	·295	91·0	92·5	2·8	2·6	7·7	7·9	2·725	

Stonyhurst.—November 1889.

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

1	28·98	29·17	45·2	44·9	43·3	48·0	2·3	2·9	·249	·234	83	79	SW 5	WSW 4	10	9	·198	↗ ▲ ● a. Squally, with ▲ p. K ▲ midt.
2	29·35	·44	46·0	44·3	41·6	48·2	3·7	2·1	·231	·245	75	84	W 3	W by S 1	8	10	·174	
3	·19	·23	47·0	49·9	42·2	49·9	1·2	0·9	·293	·335	92	94	S by E 3	W 2	10	10	·080	Overcast. ● p.
4	·35	·45	46·3	41·9	41·0	50·0	2·3	2·9	·261	·208	84	79	W by N 2	NW 1	10	2	·028	Overcast a. Cloudy p. ▲ 3p.
5	·44	·61	39·9	45·0	35·5	46·2	1·9	1·1	·208	·273	85	91	swb.w 1	Calm 0	10	10	·030	Overcast, with ●⁰ a. and p.
6	·85	29·97	45·8	44·9	42·0	49·5	1·1	1·6	·284	·261	93	88	Calm 0	Calm 0	10	10	·051	
7	29·98	30·01	49·2	53·1	43·8	54·6	0·2	0·5	·345	·390	99	96	WSW 1	W by S 2	10	10	·318	≋ ●⁰ a. Overcast, with ●⁰ p.
8	30·09	30·01	46·1	52·3	43·3	53·2	0·4	0·3	·303	·384	97	98	WSW 1	W 3	10	10	·120	≋ 7.30a. Overcast. ●⁰ p.
9	29·98	29·98	50·2	50·0	48·9	52·3	1·1	0·9	·335	·337	93	94	WSW 2	W by S 1	10	10	--	Overcast and gloomy.
10	29·98	30·01	50·0	49·3	48·3	52·9	1·3	0·5	·327	·339	91	97	WSW 1	Calm 0	10	10	·005	
11	30·04	30·02	48·4	47·0	46·1	49·7	0·6	1·0	·326	·298	96	93	W by N 1	Calm 0	10	10	·010	●⁰ a. and p. Overcast and gloomy.
12	29·98	29·96	48·2	40·6	39·9	49·2	0·9	1·4	·315	·223	94	89	Calm 0	NE by N 1	10	5	—	Overcast and gloomy a. ∞ p.
13	·93	·88	36·1	43·4	35·0	44·1	0·5	1·3	·203	·253	95	90	NE by N 1	SSW 1	10	10	·010	≋ 7.30a. Overcast and gloomy.
14	·91	·87	44·3	47·1	41·9	47·8	1·2	0·8	·263	·305	91	94	Calm 0	S by W 1	10	10	·432	Overcast, with ●.
15	29·85	29·89	49·3	50·1	46·2	54·3	0·9	1·2	·328	·331	94	91	S by W 1	Calm 0	10	10	·208	
16	30·05	30·22	48·9	47·2	45·0	52·2	0·8	1·7	·325	·285	95	89	swb.w 1	Calm 0	10	10	—	Overcast a. Fine and sunny p.
17	·25	·23	44·2	46·5	42·0	47·6	0·7	2·2	·275	·266	95	84	Calm 0	Calm 0	10	10	—	Dull and overcast.
18	·22	·22	45·3	48·6	43·6	49·8	1·3	1·4	·272	·307	90	90	NE by N 1	Calm 0	7	10	—	Overcast and gloomy.
19	·23	·23	48·0	45·0	42·7	49·9	1·7	1·8	·292	·257	88	86	Calm 0	Calm 0	10	10	—	Overcast. ∞ p.
20	·21	30·16	40·2	42·4	39·4	45·0	3·0	3·1	·191	·208	77	77	SE by E 1	SSW 1	10	10	—	Overcast and gloomy.
21	30·07	29·95	39·5	42·4	37·8	42·7	2·2	0·9	·200	·252	82	93	Calm 0	SE by E 1	10	10	—	Overcast and gloomy.
22	29·86	·71	41·8	46·2	39·0	54·1	0·9	0·6	·247	·299	93	96	SSW 1	SW 1	10	10	·173	Overcast. ● p.
23	·88	29·80	43·3	38·0	36·6	47·1	0·5	1·0	·270	·208	96	91	W 1	Calm 0	8	5	—	Cloudy, then sunny. ≋ 9.30p.
24	29·51	28·94	39·8	45·0	31·9	47·2	0·7	1·1	·230	·273	95	91	Calm 0	S by E 4	10	10	·350	≋ 9a. Overcast, with ● p.
25	28·99	29·25	39·0	37·1	34·7	48·9	1·9	2·0	·201	·183	85	83	W by N 5	W 2	10	8	·330	Squally, with ● ▲ a.
26	29·18	·19	33·3	34·3	31·1	37·9	0·5	3·0	·180	·141	94	72	SWb.S 1	NW 2	10	2	·078	✳ ▲ a. and p.
27	·38	·72	30·1	30·8	29·2	35·4	3·8	3·0	·084	·106	49	61	NWb.N 4	NW 1	3	0	—	
28	·84	·87	32·1	34·2	27·2	37·4	2·9	2·1	·120	·156	66	79	NW 1	Calm 0	1	4	—	Sunny day.
29	·79	·70	36·5	37·7	32·8	39·5	1·4	0·7	·189	·212	88	94	W 1	Calm 0	9	10	—	Overcast.
30	29·70	29·78	37·3	40·3	35·6	41·2	1·3	2·5	·197	·200	89	80	Calm 0	SE by E 1	1	10	—	Overcast.
Mean	29·767	29·782	43·0	44·0	39·6	47·5	1·4	1·6	·251	·259	88·1	87·4	1·3	1·0	8·9	8·5	2·595	

HILLINGTON.—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·49	29·61	45·5	40·5	37·6	52·4	0·8	1·2	·286	·226	95	90	SW 5	SW 3	10	2	—	Fine and sunny.
2	·72	·82	42·2	38·5	37·9	50·2	2·0	1·8	·226	·198	85	86	W 3	WSW 3	5	0	·030	Fine and sunny *a*.
3	·65	·50	44·5	50·1	36·1	54·9	0·2	0·2	·289	·357	98	98	SW 2	SW 1	10	10	·218	● 0 all day.
4	·65	·76	49·2	42·5	42·1	51·0	0·9	0·9	·327	·252	94	93	S 2	SW 3	9	10	—	Cloudy and mild. [⌓ *gp*.
5	29·81	29·95	34·9	32·9	28·9	48·6	0·6	0·4	·190	·179	94	96	SW 1	SW 0·5	5	0	·003	⌣ *a*. Fine and sunny. Much cir. *p*.
6	30·18	30·31	41·2	44·0	30·1	50·4	0·2	1·1	·254	·263	98	91	S 0·5	SW 2	10	7	·002	⌣ *a*. Overcast all day. ⌓ *p*. [⌓ *p*.
7	·33	·35	44·1	52·5	32·1	57·4	1·4	0·8	·257	·373	89	95	S 1	SW 2	3	10	—	⌣ *a*. Fine and sunny. Much cir. 4*p*.
8	·41	·31	48·5	49·1	41·6	55·9	0·7	1·4	·323	·313	96	90	NW 1	W 1	8	7	—	Fine, sunny, and mild. Much cir.
9	·25	·24	51·2	50·0	47·0	55·2	1·0	0·6	·351	·345	93	96	NW 2	NW 1	5	10	—	⌓ *p*. [⌓ *p*.
10	·22	·28	49·0	51·4	46·8	57·4	2·2	0·8	·293	·358	85	94	NW 2	NW 1	5	10	—	
11	·34	·32	49·9	49·1	48·7	52·4	0·7	0·2	·342	·344	95	98	NE 1	NE 1	10	10	·024	Overcast, with ≋0 (mist) all day.
12	·32	·28	43·3	37·6	37·2	50·6	1·4	0·9	·249	·208	89	92	SE 0·5	SE 1	0	0	·005	Very fine and sunny all day.
13	·26	·23	38·2	34·2	32·0	51·0	0·4	0·4	·223	·188	96	96	SE 1	SE 1	0	0	·003	⌣2 *a*. Very fine and sunny.
14	·23	·21	39·1	43·9	32·5	48·0	0·3	0·2	·232	·283	97	99	SW 0·5	SE 0·5	10	10	·008	≋0 (mist). ≋ *sp*.
15	·24	·27	47·3	50·2	43·8	51·9	0·1	0·4	·324	·353	99	98	SW 1	SW 0·5	10	10	·008	Very damp, with ≋0 (mist) all day.
16	·37	·49	48·9	48·5	45·3	52·6	0·1	0·0	·344	·342	99	100	SW 1	SW 0·5	10	10	·102	≋0 (mist) *a*. ●2 *p*.
17	·55	·55	47·1	46·0	42·1	51·5	0·4	0·3	·313	·304	97	98	NE 1	E 2	4	10	·003	Fine and sunny till 3.30*p*., then cloudy.
18	·56	·57	47·5	46·2	45·2	48·5	0·8	0·4	·308	·303	95	98	SSE 0·5	SSE 1	10	10	·002	Overcast all day.
19	·58	·55	44·0	41·5	41·2	47·2	1·3	1·6	·258	·229	90	88	SE 0·5	E 0·5	10	10	—	Overcast all day.
20	·56	·52	39·2	39·7	38·6	42·3	1·5	1·9	·208	·206	88	84	SSW 1	SSE 1	10	10	—	Overcast all day.
21	·44	·35	37·6	37·1	36·1	40·4	0·7	0·5	·211	·211	94	95	S 1	S 1	10	10	—	Overcast all day.
22	·27	·17	37·9	48·8	33·4	49·4	0·2	1·1	·224	·317	98	92	SW 1	SW 3	10	10	—	≋ *a*. Overcast all day.
23	30·16	30·13	47·5	46·0	44·2	49·5	0·4	0·3	·319	·304	98	98	W 1	SW 1	10	10	·030	Overcast all day.
24	29·89	29·46	46·6	46·7	45·8	49·5	0·0	1·1	·318	·293	100	92	SW 2	SW 5	10	10	·426	Overcast and very damp. ● *p*.
25	·27	·55	42·5	35·0	35·0	50·7	2·6	1·2	·218	·180	81	88	NW 6	W 4	0	0	·005	●2 early *a*. Fine and sunny. ☾ *p*.
26	·54	·43	33·6	32·6	31·2	38·4	0·9	1·9	·174	·145	90	78	SW 2	W 5	10	0	·210	⌣2 *a*. ✳0 5.30*p*.
27	29·45	29·81	30·4	34·6	29·9	36·6	0·4	0·3	·158	·194	94	97	NW 5	NW 4	10	10	·267	✳ *a*. (2½ ins. deep 9*a*). ✳ ● (sleet)
28	30·01	30·09	31·2	32·2	30·0	35·4	0·4	0·5	·165	·170	95	94	NW 4	NW 2	10	0	·015	✳0 *a*. and 3*p*. [△ *p*.
29	·04	29·97	32·2	36·7	30·2	37·3	0·5	0·9	·170	·199	94	92	SW 1	NW 1	10	10	·042	Overcast all day.
30	30·03	30·15	35·9	29·0	28·4	40·0	1·2	0·6	·187	·142	89	89	NE 1	SE 0·5	9	6	·002	Ψ
Mean	30·093	30·107	42·3	42·2	37·7	48·6	0·8	0·8	·258	·259	93·5	93·2	1·7	1·8	7·8	7·1	1·385	

CHURCHSTOKE.—NOVEMBER 1889.

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

1	28·94	29·12	47·7	42·8	37·4	50·1	4·8	2·4	·225	·224	68	82	SW 3	WSW 4	8	4	·148	◠. Bright day. ✐ during night.
2	29·28	·30	45·8	45·8	40·0	50·5	2·1	2·1	·260	·260	85	85	WSW 3	NW 2	8	9	·114	● showers.
3	28·96	·06	51·3	49·1	42·4	55·2	1·5	0·7	·339	·330	90	95	SSW 2	WSW 1	10	10	—	Cloudy and warm.
4	29·24	·31	45·6	33·1	32·1	50·1	1·2	0·3	·277	·182	91	96	W 2	W 1	9	2	·010	Dull day.
5	·27	·46	42·0	41·6	29·5	48·9	1·9	1·5	·227	·231	86	89	SW 2	W 2	9	10	—	Dull and threatening.
6	·71	·84	47·0	38·2	37·4	56·1	0·7	0·3	·305	·225	95	98	SW 1	W 1	10	2	—	
7	·87	·89	54·3	53·9	37·2	57·9	1·3	1·1	·384	·384	91	93	W 2	Calm 0	10	10	—	Close, warm, and still.
8	·89	·88	51·3	51·9	44·2	61·1	0·9	0·9	·355	·362	94	94	W 1	NW 2	8	10	—	Fine and bright.
9	·83	·83	51·1	48·9	48·0	55·1	2·6	0·9	·308	·323	82	94	NW 2	W 2	9	10	—	Cool wind.
10	·81	·84	47·1	48·3	35·8	51·9	1·4	0·3	·389	·331	90	98	WSW 1	NW 1	8	10	—	Spring-like. ≋0 (mist) 9*p*.
11	·86	·81	47·1	49·0	45·8	50·1	0·4	1·5	·313	·321	97	90	Calm 0	SE 2	10	10	—	≋0 (mist) *a*. and 9*p*.
12	·76	·74	45·6	30·9	30·2	50·1	1·9	0·2	·262	·168	87	97	SE 2	SSE 1	10	0	—	⌣ ≋0 (mist) *a*. Dull, with cool
13	·72	·68	40·0	43·8	29·0	44·3	0·3	1·3	·240	·257	98	90	SE 1	SW 1	10	9	·038	⌣ ≋0 (mist) *a*. [wind.
14	·71	·65	43·2	48·4	42·0	49·1	0·3	0·4	·272	·330	97	97	SE 1	SE 2	10	10	·150	●2 at night.
15	·69	29·73	51·7	50·9	47·0	54·1	1·2	0·9	·352	·349	92	94	SSE 2	SE 2	8	8	—	Mild.
16	29·87	30·03	52·5	46·4	45·0	53·5	0·5	0·7	·381	·298	96	95	W 1	W 1	10	10	·038	Dull and mild, with ●0.
17	30·05	·04	48·4	47·9	45·0	49·7	0·4	1·0	·330	·308	97	93	NE 2	SE 1	10	10	—	≋2 (mist).
18	·01	·02	48·7	48·7	44·0	52·1	0·9	1·6	·321	·303	94	89	SE 1	SE 2	10	10	—	≋ (mist).
19	·03	30·03	46·2	39·8	39·0	49·1	1·7	1·9	·273	·207	89	85	SE 1	SE 1	10	10	—	≋0 (mist) *a*. Dull and gloomy.
20	30·00	29·96	40·9	41·8	38·8	43·9	2·2	2·3	·210	·217	84	83	SE 2	SSE 2	10	10	—	Cold wind.
21	29·85	·81	40·6	41·2	37·0	44·7	0·9	1·1	·235	·235	93	92	ESE 2	SE 2	10	10	—	Dull, with cold wind.
22	·68	·57	46·8	54·9	38·5	55·3	0·9	2·7	·298	·355	93	82	SSW 2	SSW 4	10	10	·290	Dull and warm, with ●0.
23	·72	29·61	43·8	41·6	39·0	55·3	0·9	0·7	·265	·247	93	95	SW 1	SW 2	8	10	—	Bright day.
24	29·22	28·75	46·2	46·8	41·0	51·3	0·1	0·4	·299	·309	99	97	SE 1	SSE 4	10	10	·280	≋2 (mist) *a*. ●2 in evening.
25	28·99	29·14	40·8	32·7	30·2	51·7	2·9	0·8	·197	·168	78	91	W 2	W 1	8	1	·090	Stormy.
26	29·08	·06	37·3	29·4	28·8	42·1	1·4	0·5	·195	·148	88	92	W 1	W 1	9	0	·050	Snow on hills. Cold.
27	·20	·55	31·9	28·9	27·3	35·5	1·8	1·0	·140	·130	77	83	NW 1	NW 1	5	0	—	⌣. Bright and sharp.
28	·67	·69	29·9	32·9	26·3	39·0	0·2	1·0	·160	·166	97	90	N 2	NW 2	9	2	—	⌣. Very sharp.
29	·64	·52	31·9	36·9	27·3	40·0	1·0	0·8	·157	·203	87	93	NW 1	Calm 0	10	9	·010	Thawing.
30	29·49	29·58	38·6	39·7	34·0	42·1	0·7	0·8	·220	·227	95	93	SE 1	SE 2	9	9	—	Dull day.
Mean	29·601	29·616	44·5	42·9	37·3	49·7	1·3	1·1	·270	·260	90·1	91·5	1·5	1·7	9·2	7·5	1·218	

CARMARTHEN.—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·40	29·57	50·9	43·9	42·7	53·7	5·4	2·4	·246	·234	67	82	W 5	W 3	4	0	·050	Squally *a*. Frequent ● showers.
2	·72	·66	51·2	47·8	40·2	54·3	5·7	0·9	·214	·309	65	93	W 2	SW 1	2	10	·680	● showers.
3	·34	·51	52·9	51·0	47·6	54·3	0·0	1·1	·401	·345	100	92	SW 1	SW 1	10	10	·070	Overcast, with frequent ● showers.
4	·64	·69	50·9	36·9	36·4	51·6	3·3	0·3	·290	·214	79	97	N 1	Calm 0	8	0	·220	∞.
5	29·66	29·87	42·5	47·8	31·1	50·9	0·0	1·8	·272	·288	100	87	Calm 0	Calm 0	10	10	·200	Overcast all day. ∞
6	30·11	30·21	47·8	40·9	40·3	58·0	0·2	0·4	·328	·247	98	97	Calm 0	Calm 0	9	1	·020	≋ 9*a*. Very fine day.
7	·27	·26	53·3	53·4	37·3	54·3	0·3	0·0	·399	·409	98	100	W 1	Calm 0	6	10	·030	≋ before 9*a*. Dull with ●0.
8	·33	·28	53·7	51·6	51·0	60·0	1·1	0·2	·381	·377	92	99	W 1	W 1	9	10	—	
9	·25	·21	52·5	50·1	49·8	54·3	2·1	1·5	·339	·323	86	89	NW 1	Calm 0	10	10	—	Dull and overcast.
10	·22	·20	50·9	50·1	49·8	52·7	2·7	1·3	·304	·328	82	91	N 1	Calm 0	10	10	—	Overcast all day.
11	·21	·15	49·4	51·5	48·6	52·8	1·0	2·1	·325	·325	93	86	Calm 0	SE 1	10	10	—	Overcast all day.
12	·13	·08	47·3	34·4	33·7	52·3	2·2	0·6	·274	·186	85	94	SE 1	Calm 0	10	0	—	Dull day.
13	·07	·04	41·6	45·8	33·7	48·0	1·1	1·3	·239	·278	92	91	E 1	E 1	10	10	·250	Overcast all day.
14	·06	·02	45·8	50·3	44·3	51·0	0·1	0·3	·306	·357	99	98	E 1	S 2	10	10	·230	Overcast, with ● all day.
15	·07	·10	52·7	52·2	49·9	54·6	0·1	0·6	·396	·374	99	96	S 1	S 1	10	10	·020	Dull all day.
16	·27	·38	52·7	49·9	49·8	54·8	0·3	0·3	·389	·352	98	98	SW 1	Calm 0	10	10	—	Dull all day.
17	·41	·38	48·4	48·8	44·9	56·3	1·3	1·1	·307	·317	91	92	E 1	E 1	8	10	—	Fine *a*. Overcast *p*.
18	·39	·36	54·7	50·7	47·1	56·8	2·5	1·3	·358	·336	84	91	Calm 0	Calm 0	8	10	—	Fine day.
19	·40	·39	47·8	43·2	42·2	56·7	1·3	2·7	·301	·223	91	80	SE 1	SE 2	10	10	—	Dull all day.
20	·35	·29	43·7	44·9	42·4	47·4	1·9	2·4	·242	·244	85	83	NE 1	E 2	10	10	—	Dull all day.
21	·20	30·09	46·8	45·0	40·2	53·4	1·1	1·3	·294	·269	92	90	SE 2	Calm 0	10	0	—	Dull *a*. Fine *p*.
22	·03	29·90	53·9	54·5	43·2	55·7	0·5	1·1	·401	·393	97	93	S 5	S 3	10	10	·430	Dull all day. ● *p*.
23	30·08	·90	45·8	46·1	41·4	55·1	1·3	0·3	·278	·305	91	98	N 1	Calm 0	10	10	·140	Dull day. ● in evening.
24	29·72	·58	47·0	53·0	44·4	55·2	0·3	0·3	·316	·394	98	98	Calm 0	SW 1	5	10	·680	Fine *a*. Overcast, with ● *p*.
25	·43	·55	44·7	38·6	37·4	53·7	4·0	1·7	·213	·201	72	86	NW 3	Calm 0	7	0	—	
26	·53	·45	43·2	37·4	32·7	47·4	3·9	2·8	·200	·172	72	77	NW 2	N 3	3	3	·430	⌣ 9*a*. Fine, but with cold wind. ✳ *n*.
27	29·66	29·93	33·7	33·7	28·8	47·4	1·1	0·5	·171	·186	88	96	N 1	N 1	10	0	·030	✳ △ *n*. ⚢ 3*a*. Frequent ✳
28	30·09	30·11	27·7	25·9	25·9	38·9	0·2	0·2	·145	·133	96	96	Calm 0	Calm 0	9	0	—	Fine day. [showers.
29	30·07	29·83	29·4	35·1	23·5	35·3	0·7	0·5	·127	·194	86	95	Calm 0	Calm 0	9	10	·030	Dull day.
30	29·84	29·88	39·5	43·7	34·1	44·9	0·2	1·8	·238	·245	98	85	Calm 0	S 3	10	10	—	Overcast all day.
Mean	29·998	29·995	46·7	45·3	40·6	52·1	1·5	1·1	·291	·285	89·1	91·7	1·2	0·9	8·6	7·1	3·510	

MARGATE.—NOVEMBER 1889.

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

1	29·63	29·69	49·3	44·0	40·7	53·6	3·1	2·8	·276	·228	79	78	SSW 5	SW 3	10	0	·020	✐ *a*. Dull till noon.
2	·80	·89	44·7	40·9	38·6	51·5	2·8	2·1	·235	·214	79	84	W 4	W 3	0	0	—	Bright and sunny.
3	·75	·52	49·1	52·1	37·1	52·1	1·3	0·3	·316	·381	91	98	SW 3	SSW 1	10	10	·450	● all day.
4	·71	·78	50·9	47·1	45·2	53·8	1·9	1·4	·324	·290	87	90	W 2	W 1	10	10	—	Ψ
5	29·83	29·97	44·7	38·0	36·2	48·8	2·5	1·2	·240	·205	81	89	W 1	Calm 0	0	0	—	⌓0 *a*. Very fine day.
6	30·21	30·33	39·0	46·1	35·1	54·8	1·5	2·1	·208	·263	88	85	Calm 0	W 2	10	6	—	Fine day. Ψ
7	·40	·39	41·3	50·8	37·0	57·8	0·1	0·8	·258	·351	99	94	Calm 0	SW 2	10	0	·010	≋ *a*. Fine day.
8	·41	·35	51·3	49·1	47·4	56·0	0·3	1·2	·370	·318	98	91	W 2	W 2	10	0	—	≋ *a*. Pretty Ψ *p*. ⌓ *p*.
9	·27	·28	49·9	50·2	47·4	52·8	1·1	1·2	·330	·333	93	92	W 2	W 1	9	10	—	Dull day.
10	·25	·28	49·2	51·7	48·2	53·5	0·9	0·9	·327	·360	94	94	W 3	NW 3	10	10	·020	≋0 *a*. Fine and sunny.
11	·33	·34	51·1	46·8	46·3	52·0	1·4	2·5	·339	·262	90	82	N 2	N 2	9	10	—	
12	·32	·27	43·0	45·2	41·1	46·8	2·0	2·6	·234	·243	84	81	E 1	E 1	6	0	—	Sunny.
13	·26	·24	43·5	42·7	37·6	50·0	1·4	0·5	·251	·263	89	96	Calm 0	E 1	0	0	·010	⌓0 *a*. Very bright.
14	·25	·24	47·2	49·0	38·2	51·4	0·2	1·0	·321	·322	99	93	Calm 0	Calm 0	10	10	—	Pretty sunrise. ⌓ *a*. Fine day.
15	·30	·31	50·1	50·4	39·3	56·2	0·5	0·7	·349	·348	96	95	SE 1	SE 1	10	10	—	Milder.
16	·43	·51	49·9	50·1	45·9	57·1	0·7	0·7	·342	·344	95	95	S 1	Calm 0	10	10	·060	Very fine. ≋ *p*.
17	·54	·56	51·3	50·2	49·2	52·8	0·3	1·1	·370	·335	98	93	Calm 0	Calm 0	10	10	—	≋ *a*. and *p*. Mild.
18	·59	·57	47·6	46·2	43·1	50·8	0·8	1·2	·309	·285	95	92	Calm 0	SE 1	10	10	—	≋0 *a*. Dull, with ≋0 (mist).
19	·58	·57	42·7	40·7	39·5	46·9	1·5	1·6	·241	·220	88	87	SE 1	Calm 0	10	10	—	≋0 *a*. Dull, with ≋0 (mist).
20	·58	·55	41·7	36·6	36·0	42·8	1·8	0·6	·226	·204	86	95	Calm 0	SE 1	10	10	—	≋0 *a*. Dull, with ≋0 (mist).
21	·47	·37	36·8	38·0	34·8	39·5	1·0	0·5	·199	·218	91	96	SE 1	E 1	0	0	—	Sunless day.
22	·33	·26	45·0	48·0	36·5	49·8	0·5	0·0	·287	·335	96	100	S 1	S 3	3	10	·010	Dull day. ≋ *p*.
23	30·20	30·17	50·0	46·9	45·7	55·0	0·9	0·7	·338	·304	94	95	Calm 0	S 1	10	0	—	≋0 *a*. Finer.
24	29·93	29·58	47·8	50·0	44·1	50·6	0·8	1·0	·313	·334	94	93	S 1	S 4	10	10	·230	Dull day.
25	·32	·61	47·0	40·0	39·0	50·0	3·2	2·6	·249	·196	78	79	W 4	W 4	10	0	—	✐ *a*. and *p*.
26	·63	·49	35·1	35·3	33·4	44·0	1·3	2·2	·179	·164	87	79	S 2	S 3	0	0	·010	⌣ *a*. ✳0 2*p*. Cold day.
27	·45	29·77	33·8	38·0	30·0	38·0	1·8	1·2	·158	·204	81	89	NW 4	N 5	8	4	·010	✐ *a*. and *p*. ✳ 10*a*.—11*a*.
28	29·97	30·09	33·6	36·8	33·0	38·6	1·5	2·0	·162	·181	84	83	N 3	N 3	7	1	—	⌣ *a*. Dull day.
29	30·08	·06	37·5	40·0	35·0	41·1	1·4	1·5	·196	·216	88	88	N 2	N 3	10	10	·020	Cold day.
30	30·03	30·15	41·6	38·4	35·0	42·4	3·6	3·0	·193	·176	74	76	NE 2	E 1	9	10	—	Bright and sunny.
Mean	30·129	30·139	44·9	44·6	39·9	49·7	1·4	1·4	·271	·270	89·2	89·4	1·6	1·8	7·7	5·7	0·850	

SOUTHAMPTON.—NOVEMBER 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground :—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·60	29·75	51·5	44·1	44·1	56·2	1·5	1·4	·341	·258	89	89	WSW 2·5	WSW 1	8	0	·009	Beautiful day.
2	·87	·92	44·9	42·6	39·7	56·1	1·7	0·9	·259	·253	88	93	WNW 1	SW 1	1	0	·303	Beautiful day throughout. ⌓² n.
3	·67	·64	51·7	51·5	42·2	54·2	0·7	0·8	·365	·359	95	94	SW 3	WNW 1	10	10	·315	● all day.
4	·76	·81	51·0	45·2	45·2	55·1	1·2	1·2	·343	·273	92	91	NW 1	NW 1	9	9	—	
5	29·86	29·97	36·1	44·9	32·5	48·6	0·6	1·3	·202	·268	95	91	SE 0·5	SE 0·5	10	10	—	⌓ a. and p. Fine and pleasant. ≋ [9p.
6	30·24	30·37	41·8	46·4	37·2	54·7	0·7	0·7	·249	·299	95	95	NW 0·5	NW 1	10	0	—	Fine and pleasant. ⌓² p.
7	·44	·45	46·3	51·8	36·5	55·4	0·2	0·7	·309	·366	99	95	W 1	W 1	10	10	—	≋⁰ a. Fine and pleasant. ⌓² n.
8	·45	·41	53·0	47·9	47·9	58·2	0·3	0·7	·394	·315	98	95	W 0·5	W 1	10	0	—	≋ a. Beautifully fine and mild.
9	·34	·33	50·9	51·2	46·0	55·2	0·3	2·0	·365	·325	98	86	NW 0·5	NW 1	8	10	—	Fine and pleasant. [⌓² n.
10	·32	·31	50·1	49·6	49·2	53·2	1·4	1·4	·326	·319	90	90	NW 0·5	NNE 1	10	0	—	⌓ a. and p.
11	·36	·31	50·6	50·3	47·7	53·8	0·7	1·8	·351	·319	95	88	NE 0·5	E 1·5	10	10	—	⌓⁰ a. Dull and gloomy.
12	·29	·24	44·4	39·5	39·3	51·6	1·8	0·8	·253	·226	87	94	NE 1	NE 2	9	0	—	Beautiful day. ⌓² n.
13	·23	·22	41·8	49·8	36·1	52·6	0·6	0·8	·251	·337	96	94	ENE 0·5	E 0·5	10	10	—	⌓² a.
14	·23	·24	47·5	47·4	43·1	53·1	0·3	0·4	·321	·317	97	97	NE 0·5	NE 1	10	0	—	⌓ a. and p. ≋ p. [mild. ⌓² p.
15	·27	·33	51·0	52·0	44·3	58·7	0·2	1·0	·369	·361	99	93	SE 0·5	SW 1·5	8	10	—	≋² early a. Beautifully fine and
16	·42	·51	52·5	52·9	51·3	56·0	0·4	0·5	·384	·387	97	97	SSE 0·5	Calm 0	8	10	·057	Beautiful and very mild a. ● ≋⁰ p.
17	·54	·55	51·1	51·4	50·1	53·7	0·4	0·4	·365	·369	97	97	NE 1	NE 1	10	10	—	≋⁰ a. and p.
18	·55	·56	50·2	47·1	47·0	53·7	0·9	0·9	·340	·302	94	93	ESE 1	SE 2	10	10	—	Fine and dry.
19	·56	·54	43·9	43·5	43·2	48·2	1·8	1·4	·247	·251	86	89	NE 0·5	NE 0·5	10	10	—	⌓⁰ at night.
20	·55	·51	44·1	41·7	41·2	46·7	1·6	1·6	·254	·230	87	88	E 0·5	E 1	10	10	—	Overcast all day.
21	·43	·35	43·6	41·4	40·3	47·2	1·0	0·7	·261	·246	92	95	ESE 0·5	E 0·5	10	10	—	Overcast all day.
22	·32	·24	51·0	49·0	39·4	52·8	0·5	0·2	·361	·343	97	99	SSW 0·5	SE 0·5	10	0	—	≋⁰ ⌓² at night.
23	30·20	30·14	52·5	50·9	48·6	54·6	0·4	0·5	·384	·359	97	97	SW 0·5	SW 0·5	10	10	·172	● most of afternoon.
24	29·89	29·51	51·2	50·3	47·9	53·7	0·3	0·9	·368	·342	98	94	SE 0·5	SW 6	8	10	·657	⸝ ● ² p.
25	·52	·71	45·4	37·6	36·6	53·7	3·2	1·1	·234	·204	77	91	NW 2	NW 1	0	0	—	Beautiful day. ⌓² n.
26	·67	·60	37·2	35·5	32·2	45·3	0·4	1·5	·214	·179	96	86	W 1	WNW 1	2	0	—	⌊ a. and p. Beautiful day.
27	29·67	29·94	33·3	33·3	30·4	38·2	1·8	2·4	·154	·142	81	75	N 1·5	NE 3·5	2	0	—	⌊ a. Beautiful, but with cold wind.
28	30·14	30·22	30·5	30·7	28·4	38·5	0·3	0·9	·162	·148	96	88	NW 3	NW 1·5	2	0	—	Beautiful day, but with cold wind.
29	·19	·08	31·5	39·0	29·5	42·1	0·5	1·4	·166	·210	94	89	NW 1	WNW 1	3	10	—	⌊ a. ≋⁰ 9p. [⌊ n.
30	30·04	30·14	37·9	39·6	36·8	44·1	0·8	2·3	·211	·199	93	81	NE 1	NE 2	10	10	—	≋ a.
Mean	30·153	30·162	45·6	45·3	41·1	51·5	0·9	1·1	·293	·284	93·2	91·5	1·0	1·3	7·9	6·0	1·513	

BABBACOMBE.—NOVEMBER 1889.

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

1	29·40	29·56	50·0	44·0	43·3	56·7	3·5	2·1	·275	·241	77	83	W 3	WNW 3	1	4	·040	● ² 3a.—4a. Squally ⸝ (gale) 5a.—6a.
2	·67	·69	48·0	46·4	40·3	53·8	3·1	1·1	·262	·288	78	92	W 2	WSW 2	4	9	·450	● showers. ⌓ p.
3	·35	·46	51·8	51·0	46·2	55·9	0·2	1·7	·379	·329	98	88	SW 5	W 1	10	10	·100	Dull and gloomy a.
4	·55	·60	50·2	43·8	43·5	52·7	1·1	1·9	·334	·244	93	85	WSW 1	NNW 1	10	4	—	⊕ ⁰ 9a. ≋⁰ (mist) a. ⌓ p.
5	29·61	29·71	42·9	46·5	37·1	50·4	1·2	0·5	·250	·304	91	96	SW 2	Calm 0	10	8	·020	≋⁰ (mist) a. and p. ● a. ⌓² p.
6	30·00	30·15	46·1	45·8	40·0	55·8	0·3	0·9	·305	·287	98	94	Calm 0	WNW 2	5	0	·010	⌓² n. and p. ≋⁰ (mist) till 9p.
7	·21	·23	51·1	49·6	41·2	60·8	1·2	0·5	·344	·343	91	97	WSW 2	SW 2	1	4	—	⌓² ≋⁰ (mist) n. and p. Fine day.
8	·22	·19	53·9	48·3	48·1	62·1	0·6	0·4	·399	·329	96	97	SW 1	NNW 2	9	3	—	⌓² ≋⁰ (mist) n. and p.
9	·14	·11	51·8	49·1	48·2	53·8	0·9	2·0	·361	·298	93	86	NNW 1	N 1	9	10	—	⌓² ≋⁰ (mist) n. Dull day.
10	·11	·09	49·4	49·9	48·0	51·0	2·5	2·1	·290	·306	83	87	N 2	NE 2	10	10	—	Dull day. [≋⁰ (mist).
11	·09	30·02	51·8	52·0	49·9	52·5	1·0	3·1	·358	·307	93	79	E 2	E 4	10	10	—	Dull and gloomy, with ● ⁰ showers.
12	30·00	29·94	49·0	49·6	48·1	52·4	3·0	2·2	·275	·301	79	85	ESE 3	E 4	10	9	—	≋⁰ (mist) a. Dull a. and p.
13	29·93	·95	47·8	48·9	47·5	51·7	2·0	1·1	·284	·318	86	93	ESE 1	SSE 1	10	10	—	Dull and gloomy. ≋⁰ (mist).
14	·95	29·96	52·4	50·8	48·4	53·7	1·2	0·4	·361	·361	91	97	ESE 1	S	10	10	—	≋ 10a.—11.30a. Dull day. ≋⁰ (mist).
15	29·99	30·06	52·9	52·4	50·4	57·5	0·3	0·4	·393	·382	98	97	S 1	SW	8	10	—	≋⁰ (mist). ⌓ p.
16	30·17	·25	52·9	52·3	50·8	54·9	0·3	0·2	·393	·386	98	99	SW 2	Calm	10	10	·010	Dull day. ≋⁰ (mist). ⌓.
17	·27	·27	52·1	51·1	51·1	53·2	0·1	0·2	·386	·370	99	98	ENE 1	ENE 2	10	10	·010	≋ a. and p. Dull and gloomy.
18	·26	·27	51·1	51·0	50·8	53·0	1·3	1·1	·340	·345	91	92	E 2	ESE 3	10	10	—	Dull and gloomy a. and p.
19	·27	·24	47·4	47·2	46·6	51·6	1·4	1·7	·293	·284	90	89	ENE 3	SE 2	9	10	—	Dull n. and p. ≋⁰ (mist) a.
20	·25	·20	48·0	47·5	44·3	48·1	3·2	1·9	·260	·283	78	86	ESE 1	SE 1	10	8	—	Dull and gloomy.
21	·13	30·05	47·5	48·8	46·4	52·1	0·7	1·2	·311	·315	95	91	SE 2	SE 2	10	3	—	⌓ n. and p. Dull a. and p.
22	30·02	29·93	52·9	51·6	48·3	56·6	0·7	1·0	·381	·356	95	93	SSW 3	SW 3	10	3	·050	⌓ n. and p. ≋⁰ (mist) a.
23	29·04	·86	48·9	51·8	48·4	53·4	0·4	0·0	·336	·385	98	100	NW 2	SSE 1	10	10	·400	● ≋ p.
24	·65	·14	51·7	51·7	48·9	52·9	0·1	0·3	·381	·375	99	98	NW 1	SW 8	10	10	·570	● ². Squally ⸝ (gale) p. ≋ n.
25	·38	·51	45·4	38·5	38·5	52·9	5·2	1·4	·197	·205	65	88	NW 4	W 1	2	1	·030	⊕ ⁰ 11a. ● showers p. ⌓ ~ p.
26	·47	·39	42·1	38·0	36·4	51·8	2·3	1·1	·220	·207	83	90	W 3	W 1	6	8	·050	○ parhelion 9a. ▲ ⁰ 1p. and 11p. ⌓.
27	·52	29·81	36·9	35·7	32·3	41·2	2·2	2·7	·178	·141	82	73	NNW 4	NNW 3	5	0	—	✳ 1a. ✳⁰ 1p.
28	·97	30·01	32·0	33·5	29·4	44·0	2·2	2·1	·133	·150	73	78	NW 2	NNW 2	4	1	—	⌊ ≋⁰ (mist) a. ○ (parhelion) 9a.
29	·97	29·83	36·8	40·4	31·4	43·1	1·6	1·7	·187	·216	87	87	WNW 2	W 1	9	10	—	⌊ n. ≋⁰ (mist). Dull p.
30	29·77	29·82	43·8	45·8	40·1	46·8	1·7	1·7	·248	·269	87	88	SSW 1	SE 2	10	9	·020	≋ 9a. ● showers p.
Mean	29·908	29·910	48·0	47·0	44·1	52·5	1·5	1·3	·304	·298	88·8	90·2	2·0	2·0	8·1	7·1	1·760	

LONDONDERRY.—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·06	29·51	43·6	43·7	40·0	49·7	1·9	2·0	·243	·242	86	85	SW 2	SW 2	10	10	·180	Stormy a. ● during day.
2	·70	·65	43·9	44·0	42·0	50·0	1·7	1·2	·249	·270	87	92	SW 2	SW 2	5	10	·130	● at night.
3	·39	·67	49·7	46·2	44·0	52·7	0·8	1·8	·338	·272	94	88	SW 3	SW 2	10	10	·030	
4	·74	·68	39·6	41·6	38·1	48·2	1·0	1·0	·224	·242	92	93	SW 2	SW 2	3	8	—	
5	29·60	29·93	45·2	45·5	40·5	49·5	1·5	2·4	·266	·250	88	83	SW 2	NW 2	8	5	—	
6	30·12	30·17	45·7	53·7	41·5	53·7	2·0	1·3	·262	·376	86	91	SE 2	SW 3	5	10	·050	● in evening.
7	·16	·36	53·7	45·7	45·0	55·6	0·5	0·8	·398	·290	96	95	SW 3	SW 1	10	2	—	
8	·37	·51	48·7	52·7	44·0	54·8	1·4	1·8	·309	·349	90	88	SW 2	SW 2	10	10	—	
9	·31	·32	50·6	49·9	49·0	53·3	1·2	1·2	·338	·328	92	92	SW 2	SW 2	10	10	—	
10	·33	·34	48·2	50·4	47·0	52·5	0·8	0·7	·317	·349	95	95	SE 2	SW 2	9	10	—	
11	·32	·23	48·6	49·2	44·3	51·4	0·9	1·4	·320	·315	94	91	SSW 2	SW 2	10	10	—	
12	·18	·21	51·4	48·7	46·0	53·7	2·6	2·3	·312	·288	82	84	SW 2	SW 2	10	10	—	
13	·19	·12	46·0	46·0	45·7	50·9	1·3	1·4	·280	·278	91	90	SW 2	SW 1	10	10	—	
14	30·12	·03	43·7	50·2	40·0	51·3	1·5	1·7	·251	·320	88	89	NE 1	SE 2	10	10	—	≋ a. ≋⁰ (mist) p.
15	29·98	·08	50·0	48·7	47·9	53·6	3·2	1·0	·282	·319	79	93	SE 2	SE 1	4	10	—	≋ 9p.
16	30·45	·52	39·7	37·2	36·0	49·0	1·1	1·3	·222	·196	91	88	SW 2	SW 2	0	0	—	Fine day.
17	·49	·44	44·7	51·5	34·5	54·1	2·0	1·4	·251	·346	86	90	SE 2	SE 1	10	10	—	
18	·42	·40	50·4	52·7	49·0	53·8	0·7	2·3	·349	·336	95	85	SW 2	SW 2	9	10	—	
19	·42	·41	48·7	49·3	47·3	53·0	1·8	2·3	·301	·294	87	84	SW 2	SE 2	6	1	—	Fine day.
20	·43	30·31	43·7	47·1	42·0	49·9	1·0	2·9	·262	·256	92	79	SE 2	S 2	10	10	—	
21	30·16	29·91	48·6	52·6	46·0	53·0	2·6	2·6	·280	·327	82	82	SE 2	SW 2	10	10	·220	● at night.
22	29·91	30·02	48·7	46·0	45·0	54·8	0·5	1·0	·332	·287	96	93	SW 2	SW 2	10	10	·060	● at night.
23	30·17	29·98	40·1	42·7	38·0	47·0	0·7	1·3	·233	·246	94	89	SW 2	SW 2	1	0	·010	Fine all day.
24	29·61	·26	46·4	45·9	41·0	48·3	1·2	1·6	·287	·273	90	89	SW 3	SW 2	10	0	·400	● during day.
25	·47	·61	40·3	35·2	34·2	46·8	1·7	0·7	·215	·192	87	93	WSW 3	SW 2	4	2	·470	▲ ² ● ² showers.
26	·52	29·67	37·0	32·6	31·0	39·0	3·0	0·9	·165	·167	75	89	SW 4	SE 2	10	0	·450	✳ ▲ before 9a. ✳ during day.
27	29·94	30·21	34·6	34·7	30·5	38·0	3·0	1·5	·143	·172	72	85	N 3	NE 2	7	1	·030	✳ ▲ showers during day.
28	30·25	30·21	32·7	32·7	32·0	37·8	2·6	1·0	·133	·165	72	88	SW 2	SW 2	10	10	·020	
29	30·05	29·84	35·2	41·0	32·7	41·5	0·5	0·8	·196	·239	95	94	SW 2	SW 2	10	4	—	Fine day.
30	29·77	29·89	45·7	46·7	41·0	49·5	0·8	1·5	·290	·284	95	89	SW 2	SW 2	10	10	·110	● showers.
Mean	30·021	30·043	44·8	45·5	41·2	49·9	1·5	1·5	·268	·276	88·3	88·9	2·2	1·9	8·0	7·1	2·160	

ARMAGH.—NOVEMBER 1889.

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

1	29·05	29·41	43·8	41·6	40·2	50·8	1·8	1·6	·246	·229	86	88	WSW 2	WSW 2	10	9	·165	
2	·60	·52	44·6	46·0	39·1	51·8	2·8	1·0	·234	·287	80	93	SW 1	SSW 2	4	10	·213	
3	·29	·51	50·7	46·8	45·0	53·0	1·0	1·2	·345	·291	93	91	SW 1	NW 1	10	10	—	
4	·63	·58	42·1	41·4	36·9	48·7	2·1	1·8	·224	·224	84	87	WSW 1	SSW 1	2	8	—	◫ 9p.
5	29·51	29·84	46·0	45·8	40·8	49·6	1·4	6·0	·278	·188	90	62	SSW 2	WSW 1	9	10	—	
6	30·03	30·08	46·7	51·8	39·5	52·4	2·6	0·2	·259	·380	82	98	SW 3	SW 3	8	10	·010	
7	·08	·24	53·7	49·0	48·8	55·5	0·7	1·1	·392	·320	95	92	SW 3	W 1	10	9	·027	
8	·25	·21	49·0	52·2	42·7	54·5	0·4	1·3	·338	·355	97	91	SW 2	SW 2	10	10	—	Overcast all day.
9	·20	·19	49·9	49·7	48·0	53·0	1·0	0·6	·333	·340	93	96	SW 1	WSW 1	10	10	—	Overcast all day.
10	·21	·21	48·2	49·0	46·9	50·3	0·4	1·3	·328	·315	98	91	W 1	WSW 1	10	10	·012	Overcast all day.
11	·20	·11	45·6	49·2	44·0	49·7	0·5	1·3	·294	·318	97	91	SW 1	S 1	10	10	—	Overcast all day.
12	·07	30·07	50·8	48·7	48·2	52·5	1·6	1·9	·330	·298	88	87	S 1	S 1	10	10	—	Overcast all day.
13	30·04	29·99	46·1	44·1	43·9	49·3	1·0	2·3	·288	·239	93	82	S 1	S 1	10	10	—	
14	29·99	·92	45·9	48·2	43·0	52·3	1·1	0·5	·285	·325	93	97	S 1	SSE 2	10	10	—	Very dark morning. Overcast all day.
15	29·60	29·95	50·3	51·0	47·0	54·7	2·3	0·8	·306	·353	84	94	SSW 3	SSW 3	1	10	·088	
16	30·32	30·38	41·8	35·8	35·4	51·5	1·1	0·8	·242	·195	92	92	WNW 0·5	Calm 0	0	0	·005	≋ early a.
17	·37	·33	35·0	51·3	29·0	51·8	0·1	1·0	·202	·352	99	93	Calm 0	S 1	10	10	·003	≋ ⌊ a.
18	·30	·30	50·9	51·7	50·0	53·3	0·2	2·1	·367	·329	99	86	S 1	S 1	10	10	—	Overcast all day.
19	·30	·31	50·8	46·8	46·1	53·4	2·1	1·1	·319	·294	86	92	S 2	S 2	10	2	—	
20	·31	30·20	46·7	47·0	42·0	48·5	0·7	2·5	·302	·264	95	83	S 1	SSE 2	10	10	—	Overcast all day.
21	30·06	29·84	49·4	50·9	46·0	52·7	1·6	1·3	·312	·340	90	91	SSE 3	SSE 5	10	10	·220	
22	29·76	·92	51·9	45·8	45·5	54·5	0·2	0·4	·381	·299	99	97	SSW 2	SW 1	10	10	·172	
23	30·06	·88	41·8	36·9	35·2	47·5	1·3	0·3	·238	·213	90	97	SW 1	S 2	0	0	—	
24	29·51	·13	42·8	44·8	35·4	49·4	0·4	0·2	·266	·293	97	99	S 3	Calm 0	10	10	·300	
25	·36	·50	36·9	34·2	32·2	45·2	0·9	0·6	·201	·186	92	94	NWb.W 2	W 0·5	9	10	·053	
26	·43	29·53	36·9	30·9	30·4	40·5	2·7	0·0	·170	·173	78	100	SW b.W 1	WNW 0·5	2	10	·270	✳⁰ 8.30a. ✳ from
27	29·78	30·06	31·5	28·0	26·2	40·6	0·7	0·2	·161	·146	90	95	Calm 0	Calm 0	7	5	·005	✳ showers during day.
28	30·13	30·09	30·9	31·0	27·0	34·5	0·6	0·1	·158	·171	92	98	Calm 0	SW 0·5	9	3	·002	
29	29·94	29·73	36·0	41·0	30·0	41·5	0·3	1·0	·206	·235	97	92	SW 0·5	S 2	10	7	—	
30	29·67	29·79	46·0	47·9	38·8	51·0	1·2	2·4	·283	·276	92	84	SSE 3	S 3	10	10	—	
Mean	29·911	29·928	44·8	44·6	40·1	49·8	1·2	1·2	·276	·274	91·4	91·1	1·5	1·5	8·0	8·4	1·545	

MARKREE CASTLE (SLIGO).—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·25	29·54	44·0	43·7	40·5	48·8	2·1	1·2	·242	·258	83	90	NW 5?	NW 3?	8	9	·560	▲ ● showers. ⌇ 4p.
2	·71	·55	45·2	46·2	40·3	51·7	2·6	0·9	·243	·292	81	94	W 2	SSE 2	9	10	·220	
3	·38	·64	51·2	46·2	45·4	53·3	0·9	2·7	·353	·253	94	82	WSW 1	NNW 2	10	6	·050	
4	·71	·64	39·0	41·1	32·0	49·9	0·8	0·7	·222	·243	94	94	SSE 0·5	SE 0·5	9	10	·080	
5	29·53	29·92	46·4	44·0	40·2	52·0	0·2	1·5	·311	·255	98	88	SSE 1	*NW* 0·5	10	10	—	Overcast all day.
6	30·09	30·15	46·9	52·2	37·7	53·0	1·8	0·3	·278	·382	88	98	S 1	S 1	9	10	·050	
7	·16	·33	53·4	47·2	46·5	55·8	0·3	0·3	·401	·318	98	98	SW 1	Calm 0	10	10	·010	Overcast all day.
8	·32	·30	50·1	52·9	46·2	55·6	0·2	1·9	·357	·348	98	87	*SW* 0·5	WSW 1	10	10	·010	Overcast all day.
9	·29	·28	51·2	49·9	47·3	52·9	0·9	0·7	·353	·341	94	95	SW 0·5	SW 0·5	10	10	·010	Overcast all day.
10	·28	·27	48·1	48·9	47·1	49·9	0·3	0·5	·329	·333	98	97	SSE 0·5	SSW 0·5	10	10	·010	Overcast all day.
11	·26	·14	44·0	48·7	42·0	48·9	0·1	0·5	·286	·332	99	96	SSW 1	SE 1	10	10	—	∞ 9a. Overcast all day.
12	·10	·12	50·2	48·0	47·2	52·0	1·1	1·1	·335	·307	92	92	SSE 1	SE 0·5	10	10	—	Overcast all day.
13	·09	30·05	46·7	44·2	43·5	48·0	1·0	0·8	·296	·272	93	94	Calm 0	SE 0·5	10	10	—	∞ 9a. Overcast all day.
14	30·02	29·95	45·9	49·5	43·2	51·8	1·0	1·2	·288	·323	94	91	SE 1	SE 2	10	10	·020	Overcast all day.
15	29·92	30·04	51·0	48·6	47·0	53·8	1·8	0·4	·328	·333	87	97	SSE 2	NW 2	7	10	·060	
16	30·39	·43	38·2	31·7	30·9	52·0	0·6	0·4	·218	·170	95	95	*NW* 0·5	*SE* 0·5	7	3	—	⌣
17	·39	·37	44·2	51·9	28·9	51·9	0·9	0·8	·270	·364	93	94	SSW 1	SSE 1	10	10	—	Overcast all day.
18	·35	·32	47·8	51·6	46·9	52·2	0·3	1·1	·325	·353	98	93	S 1	SE 1	10	10	—	≈ a.
19	·35	·35	46·0	44·1	41·3	51·9	1·1	0·7	·285	·273	92	94	Calm 0	SE 2	9	8	—	
20	·34	30·22	44·0	46·2	39·2	47·4	0·4	1·5	·279	·278	97	90	SE 0·5	SE 2	10	10	—	Overcast all day.
21	30·04	29·82	48·1	52·4	45·2	52·9	0·7	1·6	·318	·351	95	90	SSE 3	SSE 4	10	10	·220	Overcast all day.
22	29·85	·99	47·3	44·1	43·3	54·1	0·2	0·7	·321	·273	99	94	Calm 0	SSW 0·5	10	10	—	Overcast all day.
23	30·13	·93	33·3	41·0	30·1	47·9	0·0	1·3	·190	·229	100	90	Calm 0	S 2	2	9	·020	⌣ ≈
24	29·54	·28	46·4	47·0	39·1	48·4	0·2	2·3	·311	·268	98	84	S 2	NNW 3	10	10	·400	Overcast all day.
25	·50	·61	42·3	36·0	34·2	47·1	2·9	0·9	·211	·195	79	92	NW 2	WSW 2	9	9	·210	● showers before 9a. ▲ showers.
26	·57	29·65	38·3	32·2	30·6	41·9	1·9	0·0	·194	·184	84	100	NW 3	N 2	10	10	·370	✳ ▲ showers.
27	29·94	30·18	35·5	33·0	30·0	37·3	3·4	1·0	·147	·167	70	89	NNW 2	Calm 0	9	4	·100	✳ before 9a. ⌇ 9p.
28	30·22	30·17	33·0	31·3	30·1	39·9	0·2	0·1	·183	·174	97	99	*NW* 0·5	SSE 0·5	10	8	·010	
29	29·98	29·74	37·1	43·5	29·1	43·5	0·8	1·0	·205	·260	93	92	SE 0·5	SSE 3	10	10	·060	Overcast all day.
30	29·66	29·78	48·7	47·4	42·5	49·1	1·2	0·5	·314	·316	92	96	S 4	SSE 2	10	10	·070	Overcast all day.
Mean	29·977	29·991	44·8	44·8	39·6	49·8	1·0	1·0	·280	·282	92·4	92·8	1·3	1·4	9·3	9·2	2·540	

DUBLIN (PHŒNIX PARK).—NOVEMBER 1889.

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

1	29·23	29·55	45·8	42·2	40·9	53·1	3·1	2·2	·241	·223	79	84	WSW 3	WSW 1	3	4	·015	Cloudy and squally. ▲0 ●0 p.
2	·71	·66	42·2	47·1	38·4	50·7	2·2	1·9	·223	·279	84	86	WSW 1	SW 1	4	10	·070	Beautiful day.
3	·37	·57	51·0	49·2	46·6	52·1	1·1	1·5	·346	·313	92	90	W 1	W 1	10	10	·005	Dull day. ●0 showers p.
4	·70	·69	38·9	39·7	35·6	49·4	1·2	1·2	·214	·220	91	90	W 1	Calm 0	3	9	·055	
5	29·59	29·87	45·3	47·0	39·7	53·9	1·8	1·6	·261	·284	87	89	Calm 0	Calm 0	9	9	—	
6	30·13	30·20	44·5	53·0	38·8	53·8	1·8	1·5	·253	·361	87	90	Calm 0	SW 1	1	10	—	≈ before 9a. Beautiful day. ⌒2.
7	·22	·32	54·3	53·3	51·7	58·0	1·6	0·6	·377	·390	89	96	SW 1	Calm 0	9	10	·010	Cloudy *a*. Dull *p*.
8	·35	·31	49·7	53·4	48·7	56·6	0·8	1·3	·336	·371	94	91	WSW 1	WSW 1	10	9	·085	Cloudy *a*. Dull *p*.
9	·29	·27	49·4	50·1	48·7	53·6	0·8	1·1	·333	·333	94	92	WSW 1	W 1	9	10	·010	Cloudy *a*. Dull *p*.
10	·28	·26	48·2	47·5	47·2	50·4	0·7	0·7	·320	·311	96	95	Calm 0	Calm 0	10	10	·010	Dull day throughout. ≈0 (mist) *n*.
11	·26	·17	44·6	49·9	43·4	50·1	0·1	0·9	·293	·335	99	94	Calm 0	Calm 0	10	10	·005	Dull and damp. ≈0 (mist).
12	·13	·12	51·1	48·2	47·7	51·8	1·5	1·8	·337	·293	89	88	Calm 0	Calm 0	9	9	—	Dull and cloudy.
13	·09	·05	43·4	41·5	38·6	48·7	1·2	0·1	·255	·260	91	99	Calm 0	Calm 0	8	10	—	Dull and cloudy.
14	·04	·01	48·7	43·3	41·1	54·0	1·6	0·1	·304	·277	89	100	Calm 0	Calm 0	9	6	—	Cloudy *a*. Dull, with ≈0 *p*.
15	·01	·03	51·4	53·4	42·4	55·5	2·1	2·6	·326	·337	86	83	SSW 1	SW 2	7	8	·040	●0 10*p*.
16	·35	·43	43·1	34·5	33·3	54·1	1·1	0·1	·254	·198	91	99	Calm 0	Calm 0	1	1	—	Beautiful day.
17	·42	·39	39·6	49·4	28·7	55·4	0·1	0·3	·242	·344	99	98	Calm 0	Calm 0	9	10	·075	≈0 *p*.
18	·37	·37	48·9	40·5	39·0	56·2	0·3	0·1	·339	·250	98	99	Calm 0	Calm 0	10	2	·005	≈2 *a*. and *p*.
19	·39	·38	48·6	35·2	35·0	57·1	0·7	0·3	·325	·200	95	97	Calm 0	Calm 0	7	3	—	Beautiful day. ≈0 *p*.
20	·38	30·28	44·7	46·9	32·9	47·7	0·3	2·0	·288	·274	97	86	Calm 0	Calm 0	9	8	—	Dull and cloudy.
21	30·15	29·98	50·4	51·9	45·9	56·1	2·3	1·6	·308	·344	85	89	Calm 0	S 3	9	10	—	Cloudy *a*. Dull *p*.
22	29·87	29·99	55·7	44·3	43·7	56·7	1·9	0·9	·390	·270	88	93	SSW 3	Calm 0	9	10	·395	Dull, with ●0.
23	30·14	30·00	39·8	34·9	34·7	47·6	0·1	0·2	·242	·199	100	98	W 1	Calm 0	7	7	·005	Beautiful day. ≈2 *p*.
24	29·67	29·19	44·8	46·6	32·4	51·6	2·1	0·8	·250	·299	85	95	SW 2	WNW 1	7	9	·330	Cloudy *a*. Dull, with ●0 *p*.
25	·46	·59	38·9	35·7	34·5	46·8	2·4	0·8	·191	·196	82	93	W 2	W 1	3	3	·005	Bright day.
26	·56	29·58	34·7	33·3	31·4	40·3	1·0	0·8	·182	·174	91	91	WSW 1	WNW 1	1	4	·010	⌣ ✳0 shower 11*a*. Cloudy day.
27	29·84	30·12	30·5	29·5	27·4	34·6	0·6	0·1	·155	·161	91	98	WNW 1	NW 1	7	1	·005	✳0 showers *a*. Cloudy day.
28	30·20	30·18	30·5	33·1	27·0	37·9	0·2	0·5	·165	·178	97	94	NW 1	W 1	6	1	—	
29	30·03	29·84	38·4	42·0	32·1	45·8	2·5	0·9	·184	·247	80	93	Calm 0	Calm 0	8	9	—	
30	29·76	29·86	49·2	48·5	37·7	53·0	2·6	2·5	·287	·280	82	82	S 1	SSE 1	8	10	·035	Cloudy, with ≈0 *a*. Dull, with ●0 ⌣.
Mean	29·998	30·008	44·9	44·2	38·9	51·1	1·3	1·0	·274	·273	90·3	92·4	0·7	0·6	7·1	7·4	1·170	

PARSONSTOWN (BIRR CASTLE).—NOVEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·29	29·57	47·1	41·0	40·3	51·7	3·2	1·6	·250	·223	77	87	SW 3	W 3	8	10	·050	Squally, with ● ▲.
2	·73	·59	40·9	46·9	36·2	49·6	1·1	1·3	·233	·290	91	91	Calm 0	Calm 0	4	10	·094	⌣ *a*. ●0 in evening.
3	·38	·62	49·8	45·8	45·2	52·8	0·9	1·0	·335	·286	93	93	Calm 0	NW 3	10	9	·030	Dull and mild. ●7.30*p*. ≈0 (mist).
4	·70	·66	38·9	42·7	33·6	49·5	0·5	1·3	·227	·246	96	89	Calm 0	SW 1	2	8	·090	⌣ ∞ *a*. Dull and mild.
5	29·52	29·89	46·0	46·5	40·1	51·9	0·8	1·2	·292	·288	94	91	Calm 0	WNW 2	9	10	—	Dull, with ●0.
6	30·10	30·18	42·6	52·1	35·0	52·8	0·7	0·5	·258	·376	94	96	Calm 0	SW 1	2	10	·014	⌣ *a*. Bright *a*. Dull, with ●0 *p*.
7	·19	·25	53·7	51·6	50·5	56·2	1·1	0·6	·381	·366	92	96	SW 1	Calm 0	9	10	·020	Mild, with ●0 showers.
8	·33	·32	51·1	51·8	48·7	55·1	0·2	0·9	·370	·361	98	93	Calm 0	Calm 0	10	10	·032	≈ *a*. Dull, damp, and mild.
9	·28	·27	49·7	48·9	47·7	52·2	0·8	0·9	·336	·323	94	94	Calm 0	Calm 0	9	10	·020	Dull, damp, and mild, with ≈0 (mist).
10	·27	·25	47·3	47·6	46·2	49·7	0·4	0·8	·317	·310	97	95	Calm 0	Calm 0	10	10	—	Dull, damp, and mild, with ≈0 (mist).
11	·22	·12	47·1	49·7	44·1	49·9	1·0	0·9	·300	·334	93	94	SE 1	SSE 1	10	10	—	Dull, damp, and mild, with ≈0 (mist).
12	·08	·07	50·2	48·7	47·8	51·8	1·5	1·7	·325	·301	90	88	Calm 0	SE 2	9	10	—	∞ *n*. Fair, mild, and dry.
13	·05	30·02	45·9	45·5	44·3	49·0	2·5	1·6	·254	·268	83	88	Calm 0	SE 1	9	10	·012	∞2 *n*. Dull, calm, and cool.
14	30·00	29·95	49·6	49·9	43·8	54·2	1·6	1·0	·314	·333	89	93	Calm 0	Calm 0	9	10	·010	Dull and calm. ●0 5.30*p*. and 9*p*.
15	29·94	29·99	50·0	52·1	45·6	55·7	1·7	1·0	·317	·363	88	93	Calm 0	Calm 0	7	10	·058	Dull, with ● in evening.
16	30·33	30·37	37·8	37·1	35·7	52·5	0·4	0·3	·218	·215	97	97	Calm 0	Calm 0	0	0	—	⌣ ≈0 *a*. Day fine and cool.
17	·36	·35	48·8	51·6	34·6	53·9	0·8	0·8	·325	·361	94	95	Calm 0	S 1	10	10	—	≈0 (mist) *a*. Dull, calm, and mild.
18	·32	·31	51·9	51·9	39·8	54·7	0·8	1·7	·364	·341	95	88	Calm 0	S 3	10	10	—	≈0 (mist) *a*.
19	·33	·33	50·0	43·8	42·9	55·3	2·3	0·7	·302	·269	84	95	Calm 0	Calm 0	3	0	—	Fine, bright, and cool.
20	·32	30·21	46·4	47·3	37·8	47·7	1·5	2·4	·280	·270	89	83	Calm 0	Calm 0	10	10	—	Dull and raw, with ∞.
21	30·06	29·88	49·2	52·2	45·8	53·2	2·3	0·9	·294	·366	84	94	SE 1	SE 3	3	10	·430	∞ *n*. Fine *a*. Dull and gusty *p*.
22	29·85	·98	49·1	44·0	43·5	54·6	0·6	0·8	·334	·270	96	94	Calm 0	Calm 0	10	10	·110	Dull, with ● nearly all day.
23	30·11	·96	33·7	36·5	32·8	48·9	0·2	0·4	·190	·208	98	96	Calm 0	Calm 0	0	10	—	⌣ *a*. Dull, with ≈.
24	29·60	·26	45·7	45·1	32·5	51·3	0·9	0·7	·287	·284	94	94	SE 1	NW 4	9	2	·581	⌒ 9*a*. Cool and windy, with ●2.
25	·52	·61	39·7	37·4	35·9	45·6	2·6	1·2	·194	·200	79	90	W 1	Calm 0	7	10	—	Dull and cold. ≈0 (mist) *p*.
26	·58	29·64	35·9	31·8	31·0	40·4	1·2	0·7	·190	·163	90	91	Calm 0	NW 2	2	6	—	⌣ *a*. Cold and bright. ✳ ⌇ *p*.
27	29·89	30·15	31·1	29·7	28·7	35·9	0·9	0·7	·152	·146	86	88	Calm 0	NW 2	1	0	—	✳0 *n*. Bright and cold. ⌇ 9*p*.
28	30·20	30·17	31·0	34·8	27·0	39·7	0·9	0·6	·151	·190	86	94	Calm 0	Calm 0	9	10	—	⌣ ∞ *a*. Fine, but cold. ≈0 (mist) *p*.
29	29·99	29·75	35·5	44·7	31·8	44·7	0·8	1·2	·193	·267	93	91	Calm 0	SE 2	7	10	·010	⌣ *a*. Bright *a*. Dull *p*. ≈0.
30	29·67	29·78	48·8	48·5	41·9	49·3	1·6	0·7	·305	·324	88	95	S 1	ESE 2	10	10	·024	Dull and mild, with ●0 ≈0 (mist).
Mean	29·973	29·983	44·8	45·2	39·7	50·3	1·2	1·0	·276	·285	90·7	92·2	0·3	1·1	6·9	8·5	1·585	

SWANBISTER.—DECEMBER 1889.

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. Gravity Correction, + ·036.

1	30·04	30·08	44·5	45·8	44·0	47·0	0·5	0·6	·282	·294	96	95	SSW 1	SSW 3	—	—	·170	No observations of cloud or weather, owing to Mr. Fortescue's absence from home.
2	·10	·15	43·8	43·8	42·0	46·0	1·0	1·6	·263	·250	92	88	SSW 3	S 4	—	—	—	
3	·23	·31	42·2	42·0	40·0	44·0	1·0	1·5	·247	·235	92	89	S 2	S 3	—	—	—	
4	·43	·49	40·5	41·8	39·0	43·0	2·9	2·3	·195	·218	78	83	S 5	SSE 5	—	—	—	
5	·54	30·51	37·2	39·2	36·0	42·0	1·4	2·2	·194	·197	87	82	SSW 2	S 4	—	—	·020	
6	30·19	29·85	41·0	45·5	38·0	47·0	1·2	1·1	·231	·280	90	92	S 6	WSW 3	—	—	·180	
7	29·93	·89	39·5	40·5	36·0	46·0	3·3	1·3	·180	·225	74	90	WNW 3	WNW 3	—	—	·310	
8	·91	29·44	35·5	43·0	34·0	44·0	0·5	0·4	·199	·268	96	97	WNW 1	S 4	—	—	·420	
9	29·13	28·90	46·8	42·5	40·0	48·0	1·2	2·5	·291	·220	91	82	W 7	WSW 7	—	—	·510	
10	28·69	28·91	37·4	34·5	32·0	43·0	0·6	0·5	·211	·190	94	95	NNW 4	NNW 5	—	—	·260	
11	29·29	29·56	33·2	30·5	30·0	36·0	2·4	0·0	·142	·171	75	100	NNW 4	NW 3	—	—	·020	
12	·68	·42	31·8	39·0	26·0	40·0	0·2	2·0	·175	·199	98	84	SSW 3	SSE 8	—	—	·080	
13	·25	·73	40·0	38·8	37·0	42·0	1·0	1·0	·226	·216	92	92	SSW 3	SW 3	—	—	·280	
14	29·96	·85	36·8	43·0	35·0	44·0	0·8	2·0	·202	·234	93	84	WSW 1	S 4	—	—	·100	
15	30·06	·89	44·2	44·5	39·0	46·0	2·2	2·5	·242	·239	83	81	WNW 3	S 5	—	—	·040	
16	29·90	·95	44·0	43·0	41·0	46·0	3·5	1·4	·215	·247	74	89	WSW 6	SSW 5	—	—	·090	
17	·57	·81	49·6	46·0	41·0	50·0	4·4	3·8	·253	·229	71	74	WSW 10	WSW 6	—	—	·050	
18	·36	·81	45·5	41·2	38·0	46·0	1·0	2·7	·282	·205	93	80	SSW 4	WSW 4	—	—	·150	
19	·47	·36	41·6	40·2	38·0	41·6	2·4	1·8	·214	·213	82	86	SW 5	SSW 4	—	—	·010	
20	·29	·15	37·0	35·2	34·0	40·2	1·6	0·7	·189	·192	86	93	SSW 3	W 2	—	—	·270	
21	·19	·45	36·8	32·0	31·0	37·0	0·8	1·5	·202	·147	93	81	W 2	NNW 1	—	—	·120	
22	·32	·38	39·0	41·2	30·0	41·2	3·2	0·4	·178	·251	76	97	SSE 6	S 3	—	—	·220	
23	·61	·45	39·5	44·5	36·0	45·0	0·5	2·3	·232	·243	96	83	SW 1	S 6	—	—	·250	
24	29·29	·70	41·4	39·0	36·0	45·0	0·6	2·0	·248	·199	95	84	WNW 3	W 4	—	—	·150	
25	30·02	29·95	39·2	45·5	37·0	46·0	1·2	1·5	·216	·270	90	89	S 4	SSW 4	—	—	—	
26	·04	30·27	46·0	43·2	43·0	50·0	2·0	0·6	·265	·266	86	95	SSW 4	SSW 1	—	—	—	
27	·29	·29	45·0	40·8	40·0	45·0	1·3	1·8	·268	·217	90	86	SSE 5	S 6	—	—	—	
28	·16	·00	38·2	35·8	35·0	41·0	2·6	2·0	·181	·174	79	83	S 7	S 4	—	—	—	
29	·07	30·19	37·0	41·5	35·0	43·0	1·2	1·5	·196	·230	89	89	SW 1	N 3	—	—	·030	
30	30·14	29·81	38·6	43·0	37·0	43·0	0·4	0·5	·226	·266	97	96	SSE 1	SSW 4	—	—	·140	
31	29·60	29·72	45·8	42·6	41·0	47·0	0·8	3·1	·289	·210	94	78	S 4	WSW 5	—	—	·070	
Mean	29·766	29·783	40·6	40·9	36·8	44·0	1·5	1·6	·224	·226	87·8	87·6	3·7	4·1	—	—	3·920	

DUNROBIN CASTLE.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·11	30·16	45·4	42·2	41·5	46·5	0·9	2·0	·283	·223	94	84	NW	SW	—	—	·240	● a. Dull day.
2	·18	·24	46·9	38·9	38·5	50·0	3·2	2·3	·249	·193	79	83	SW	SW	—	—	—	Fine and mild.
3	·30	·36	40·6	35·3	35·3	43·5	0·6	1·2	·241	·183	95	89	W	NW	—	—	—	Fine a. Colder p.
4	·47	·48	32·8	36·5	30·7	44·0	3·3	2·2	·121	·175	65	81	S	S	—	—	—	Clear p.
5	·61	·53	28·5	31·8	28·5	40·5	0·7	1·7	·136	·141	87	78	N	N	—	—	·050	═ a. Clear p.
6	·28	·00	43·0	43·6	30·7	44·5	3·6	1·6	·212	·248	74	87	SE	S	—	—	·080	Dull a. ● 6 showers. Milder p.
7	·05	30·05	36·8	38·4	34·5	43·6	2·3	1·2	·176	·208	81	90	N	W	—	—	·150	Clear a. ● showers p.
8	30·01	29·55	37·6	45·6	36·8	48·0	1·8	0·3	·191	·299	84	98	N	S	—	—	·130	Dull day. ● p.
9	29·28	·13	48·6	40·0	39·9	54·0	1·6	2·0	·302	·207	89	84	NE	NW	—	—	·200	Blowy a. and p.
10	28·90	·17	39·9	32·8	31·3	40·1	1·6	1·7	·214	·151	87	81	SE	N	—	—	—	Frosty p.
11	29·46	·72	33·5	31·5	30·5	38·5	1·7	1·4	·158	·145	82	81	NE	NW	—	—	—	✳ a.
12	·77	·40	26·1	42·9	24·3	43·0	0·8	3·7	·115	·202	81	73	N	N	—	—	·070	Dull p.
13	29·42	·91	38·6	33·8	32·5	44·5	1·8	1·7	·199	·160	85	82	W	N	—	—	—	Fair and mild. ═ p.
14	30·06	29·99	32·3	42·6	31·0	43·7	1·5	1·6	·150	·238	82	87	N	W	—	—	·100	Clear, with ═ a. ● showers p.
15	·20	30·01	40·9	45·2	37·6	48·0	2·2	3·2	·211	·251	84	77	W	W	—	—	—	Clear and frosty a. Mild p.
16	30·04	30·01	40·9	44·2	38·1	48·0	2·2	3·2	·211	·222	84	76	W	W	—	—	—	Fine and mild.
17	29·81	29·95	50·7	46·6	44·2	57·6	3·4	4·3	·286	·224	78	71	S	S	—	—	—	Fine and mild. Windy.
18	·48	·91	48·3	37·6	36·0	50·0	3·3	2·3	·261	·182	77	80	W	NW	—	—	·190	Fine a. Dull p.
19	·66	·43	43·9	51·0	37·6	51·0	2·9	3·0	·225	·299	78	80	W	W	—	—	·150	Dull a. Squally p.
20	·39	·31	36·8	34·8	33·7	51·0	1·7	0·7	·186	·187	86	93	N	NW	—	—	·070	Clear a.
21	·31	·46	34·8	28·8	28·0	39·6	2·3	2·0	·158	·105	78	66	N	W	—	—	·120	✳ showers a. Dull p.
22	·32	·42	35·3	37·9	28·0	45·3	1·5	3·4	·178	·167	86	73	W	N	—	—	·300	Dull a. ● showers.
23	·66	·46	33·8	37·1	30·5	45·5	0·3	2·0	·188	·183	97	83	W	W	—	—	—	Dull day.
24	29·43	29·93	40·6	38·8	37·1	49·7	1·8	3·3	·216	·175	86	75	W	NW	—	—	·150	Dull day. ●
25	30·11	30·06	38·6	47·5	33·5	48·5	0·8	2·2	·219	·276	94	84	W	NW	—	—	—	Fine and mild.
26	·14	·29	48·7	46·2	46·2	50·0	3·0	1·5	·272	·278	80	90	W	W	—	—	—	Fine and mild.
27	·30	·31	46·9	43·2	41·7	47·5	0·6	2·9	·307	·219	96	79	N	W	—	—	—	Fine and mild.
28	·24	·04	35·5	32·8	32·5	43·2	1·4	2·3	·181	·140	87	75	S	SW	—	—	—	Clear a. Frosty.
29	·14	30·24	35·3	38·4	32·8	41·5	1·8	1·5	·172	·202	83	88	NE	E	—	—	—	Fine a. Dull and mild p.
30	30·21	29·95	35·5	46·6	30·3	47·0	1·2	1·3	·185	·287	89	91	E	E	—	—	·100	Dull a. ═ Milder p.
31	29·70	29·89	49·0	40·9	40·5	50·3	3·3	2·5	·270	·206	77	81	W	SE	—	—	—	Fresh wind.
Mean	29·873	29·883	39·6	39·8	34·7	46·4	1·9	2·1	·209	·205	84·0	81·9	—	—	—	—	2·100	

BRAEMAR.—DECEMBER 1889.

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

1	28·90	28·97	39·9	41·8	38·8	42·7	1·4	1·3	·218	·238	89	90	SW 2	SW 2	9	7	·010	Dark, dull, and damp.
2	28·97	29·03	41·3	37·4	36·0	42·9	2·6	2·2	·208	·182	80	82	SW 0·5	SW 2	8	8	—	Dark, dull, and damp.
3	29·13	·19	35·6	31·8	31·5	39·5	1·0	1·6	·191	·143	91	79	SW 2	SW 0.5	9	4	—	Dull and cold.
4	·30	·34	29·5	33·8	26·8	37·2	1·8	1·8	·117	·158	72	81	SW 0·5	SW 0·5	3	7	—	Dull and cold.
5	·34	29·44	33·9	34·7	32·0	36·8	1·8	3·0	·159	·144	81	72	SW 0·5	SW 2	8	8	—	Dull and cold.
6	29·18	28·80	34·7	38·4	33·0	45·5	2·6	1·6	·152	·200	75	87	SW 2	SW 0·5	8	8	—	Dull and cold.
7	28·89	·89	30·4	36·0	29·7	40·0	1·7	2·3	·128	·170	75	80	NE 0·5	SW 2	3	3	—	Fair, clear, and frosty.
8	·86	·46	36·7	42·6	34·8	42·7	1·0	1·2	·198	·247	91	90	SW 0·5	SW 2	8	8	·260	Fair a. ● p.
9	28·25	28·11	49·0	36·9	36·2	50·5	3·4	2·2	·268	·179	77	82	SW 4	SW 4	7	6	·030	Fine day.
10	27·79	27·89	34·7	32·3	31·4	41·5	2·0	2·6	·162	·129	80	70	SW 2	NW 2	6	6	·020	Cold, with ✳.
11	28·20	28·50	30·9	28·7	27·7	36·7	1·0	0·7	·148	·137	85	87	NW 2	NW 1	7	7	·010	✳ 6
12	·64	·32	15·5	35·7	15·5	36·5	0·4	0·2	·076	·206	87	99	NW 0·5	SW 6	5	10	·200	Cold and frosty a.
13	·19	·64	36·2	32·5	31·8	39·3	0·5	1·6	·204	·148	95	81	SW 0·5	SW 0·5	7	0	—	Fair and clear.
14	·84	·77	24·7	38·8	24·0	38·8	3·7	1·5	·044	·207	33	88	SW 0.5	SW 2	5	9	·030	
15	·95	·87	37·5	39·6	35·7	41·8	1·9	2·1	·188	·203	84	83	SW 0·5	SW 2	3	5	—	
16	·76	·81	40·9	41·8	39·2	45·5	2·6	3·3	·204	·198	80	77	SW 2	SW 1	4	8	—	Fine day.
17	·52	·38	50·8	43·9	41·0	51·5	4·2	3·6	·270	·212	73	74	SW 8	SW 2	6	7	·030	Fine day.
18	·35	·78	47·3	35·3	34·0	49·6	1·8	2·6	·283	·157	88	76	SW 6	SW 2	9	0	·230	Cold, with ●.
19	·42	·29	49·3	38·6	33·7	43·0	1·8	1·4	·214	·207	86	89	SW 4	SW 1	9	9	·510	Cold, with ✳ ● (sleet).
20	·24	·14	32·0	32·2	31·8	42·4	1·3	1·5	·151	·149	83	81	SW 0·5	SW 2	7	0	—	Frosty.
21	·15	·37	30·5	27·7	27·7	38·7	0·6	0·2	·155	·145	91	96	SW 2	SW 2	6	0	·020	✳ showers.
22	·19	·31	32·5	33·9	21·8	36·5	0·8	0·4	·168	·187	90	96	SW 2	SW 0·5	10	6	—	
23	·57	·42	31·5	40·8	31·0	41·9	0·4	1·8	·168	·217	95	86	SW 0·5	SW 0·5	7	9	·450	Dull and damp.
24	·23	·69	38·7	33·7	33·0	45·2	1·2	2·0	·212	·153	91	79	SW 0·5	SW 0·5	10	0	·060	● a. Fair p.
25	28·98	28·96	37·2	44·4	32·5	44·5	2·3	2·8	·178	·232	81	79	SW 1	NW 2	7	8	—	Fine day.
26	29·01	29·12	43·9	44·4	42·3	47·3	2·4	1·3	·236	·262	82	90	SW 2	SW 0·5	8	6	—	
27	29·13	29·14	41·3	34·7	34·3	45·3	2·5	2·7	·209	·150	81	74	SW 2	SW 1	9	4	—	
28	28·99	28·91	31·9	26·4	26·2	41·5	2·2	0·9	·132	·115	73	81	SW 0·5	SW 0·5	7	1	—	
29	·96	29·06	31·0	26·7	25·8	38·7	1·1	0·7	·146	·122	84	85	SW 0·5	SW 0·5	7	5	—	
30	·98	28·79	29·4	41·6	23·2	42·5	0·7	1·1	·144	·240	89	92	SW 0·5	SW 2	8	9	—	
31	28·57	28·70	43·7	36·9	36·0	45·2	1·9	0·4	·244	·211	85	97	SW 4	SW 1	8	6	—	
Mean	✳	28·725	35·9	36·3	31·6	42·3	1·8	1·7	·180	·182	82·2	84·0	1·8	1·6	7·0	5·6	1·860	

28·689/
25·2·94

LAUDALE.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	9 p.m.	Air Temperature. 9 a.m.	9 p.m.	Min.	Max.	Humidity. Dep. of Wet. 9 a.m.	9 p.m.	Vapour Tension. 9 a.m.	9 p.m.	Per-centage. 9 a.m.	9 p.m.	Wind, Direction and Force. 9 a.m.	9 p.m.	Cloud Amount. 9 a.m.	9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·08	30·15	48·0	48·3	46·1	49·1	1·0	1·7	·309	·296	93	88	S 3	SSW 2	10	10	·640	≋9 (mist) ● all day.
2	·16	·22	46·2	45·0	44·9	48·9	2·0	2·7	·267	·239	86	80	SW 2	S 2	10	10	·020	≋0 (mist) a. and p.
3	·29	·35	41·9	38·2	33·0	45·8	2·8	4·7	·210	·148	80	64	S 1	SSE 3	10	4	—	∞ 2 all day.
4	·44	·51	37·9	39·9	35·9	40·3	4·7	2·9	·146	·190	64	77	N 2	E 4	3	1	—	Clear all day. ═
5	·60	·61	40·0	42·4	36·8	42·4	3·1	2·5	·187	·219	75	81	ESE 1	E 2	10	9	·020	Dull all day.
6	·39	·03	40·6	40·5	39·9	47·0	1·1	1·5	·230	·221	91	88	SSE 5	W 4	10	10	·950	● all day. ═ (gale) till 8p.
7	·13	30·10	36·0	43·8	35·0	44·9	0·4	1·8	·204	·246	96	86	Calm 0	NW 1	1	10	·140	▲ ● showers p.
8	30·01	29·71	44·4	52·0	37·7	52·3	2·0	1·1	·248	·358	85	92	Calm 0	SW 8	10	10	1·240	═ 2 (gale) 4p.—6p. ● 2
9	29·49	·26	50·3	44·8	42·5	54·8	1·7	3·5	·321	·222	88	75	SW 6	NW 6	10	7	·500	═ ● 2 ▲ 2 showers.
10	28·99	·15	43·0	35·8	34·9	45·4	3·8	0·9	·201	·193	72	92	N 4	N 2	7	5	·200	▲ 2 ● 2 showers all day.
11	29·47	·72	34·3	34·0	32·5	37·8	1·1	1·7	·176	·162	88	82	Calm 0	N 2	3	3	·020	✳ showers from 8p.
12	·74	·39	36·0	43·0	31·0	43·4	1·1	1·0	·191	·255	90	92	SW 2	S 3	9	10	1·440	● 2 began at 8p.
13	29·46	29·86	38·3	38·2	35·0	45·9	0·5	0·8	·221	·214	96	93	S 1	W 4	7	10	·110	● 2 n. Snow on hills.
14	30·05	30·00	45·3	47·2	36·1	47·4	3·2	1·4	·233	·291	77	91	SW 2	SW 3	8	10	·200	● 2 from 7p.
15	·22	·10	44·3	47·0	43·7	50·2	2·3	2·1	·241	·273	82	85	WSW 2	ESE 5	3	7	·320	Clear a. Mild all day. ═ at night.
16	·16	·11	47·8	48·3	43·0	52·8	4·8	2·3	·226	·282	68	84	NW 2	WSW 3	3	5	·440	● 2 n. Dry and mild all day.
17	30·01	·04	52·0	48·9	45·1	52·0	3·0	3·7	·310	·260	80	75	W 4	W 1	9	10	·350	═ ● 2 n. Day mild. Much cir. 2p.
18	29·59	30·02	50·4	43·0	40·1	55·5	1·4	3·1	·330	·213	90	77	W 4	NW 1	10	3	·840	● 2 a. ● showers p. Snow on hills.
19	·75	29·50	46·1	36·8	35·9	48·2	2·7	0·6	·251	·206	81	95	W 2	SE 2	10	10	·640	● 2 n. and a.
20	·44	·33	38·8	40·7	35·2	40·7	2·6	2·9	·187	·197	79	78	N 1	NNW 2	5	10	·600	▲ 2 ● 2 ✳ 2 (sleet) showers all day.
21	·41	·48	40·7	38·0	32·3	42·4	2·9	2·6	·197	·180	78	78	N 2	Calm 0	5	0	·190	✳ ● (sleet) a. Day cold and clear.
22	·27	·51	41·4	41·0	35·2	41·7	1·4	0·2	·231	·253	89	98	W 2	SSE 1	10	7	·030	═ ● n. Dull and damp all day.
23	·72	·54	44·0	47·7	39·2	47·7	0·8	1·3	·270	·299	94	91	S 1	ESE 5	10	10	·960	Dull and damp all day. ═ n.
24	29·49	29·92	42·4	42·2	39·9	48·3	2·0	3·2	·229	·205	85	77	WNW 3	NNW 3	10	1	·250	● 2 n. ● showers all day. ▲ 2 8p.
25	30·16	30·17	45·8	49·8	39·1	49·9	2·0	3·0	·263	·284	86	80	E 3	E 4	10	10	·120	Gloomy day. Snow on hills.
26	·24	·37	48·6	49·0	46·8	53·6	1·6	1·3	·302	·315	89	91	W 4	E 1	10	10	·030	Dull and mild all day.
27	·37	·34	46·9	42·2	39·0	53·1	3·7	2·7	·238	·214	75	81	SE 2	E 3	10	10	—	Dull and mild all day.
28	·21	·05	34·0	37·9	32·6	45·0	1·2	1·9	·172	·191	87	84	E 3	E 4	2	10	—	Squally ═ (gale at times).
29	·17	·27	39·0	38·4	33·9	41·4	1·3	2·7	·212	·181	90	79	E 1	E 1	10	7	·040	Very calm all day.
30	30·21	30·02	43·0	47·5	35·9	47·5	1·0	3·6	·255	·248	92	76	SE 1	WSW 4	10	10	940	
31	29·80	29·94	49·5	43·0	33·5	50·4	1·5	3·0	·316	·223	90	77	W 2	Calm 0	10	2	·510	● all day.
Mean	29·921	29·927	43·1	43·1	37·8	47·3	2·1	2·2	·238	·235	84·4	83·5	2·2	2·8	7·9	7·5	11·740	

DUNDEE.—DECEMBER 1889.

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

1	30·05	30·10	35·8	42·1	32·8	42·1	0·6	1·6	·199	·234	95	88	N 1	SW 1	10	10	—	≋
2	·13	·15	40·7	36·9	36·0	42·9	2·4	0·9	·206	·201	81	92	SW 1	SW 1	10	10	—	Dull day.
3	·23	·28	35·1	32·2	31·6	37·9	0·7	1·3	·191	·153	93	84	NW 1	W 1	10	10	—	Dull day.
4	·40	·41	31·1	34·8	27·1	36·9	1·6	0·3	·136	·196	77	97	S 1	SE 1	10	10	—	Dull day.
5	·48	30·52	34·3	35·3	31·6	35·9	0·6	0·8	·186	·191	94	93	SW 1	SW 1	10	10	—	≋
6	30·34	29·94	36·5	40·1	34·3	40·1	2·0	0·6	·179	·236	83	95	SW 2	SW 1	10	10	·200	● showers from 10a.
7	29·93	·96	36·5	34·0	31·4	41·1	2·5	1·5	·170	·166	78	84	NW 1	NW 1	0	0	—	Fine day.
8	·92	·53	32·7	43·0	30·2	43·0	0·3	0·9	·180	·257	97	93	SW 1	SW 2	10	10	·150	● from 11.30a.
9	29·26	29·16	50·0	41·5	40·9	53·2	2·1	2·5	·307	·211	85	81	W 2	W 4	10	7	—	Stormy 10a.—4p.
10	28·82	28·89	37·0	35·1	34·2	42·4	1·5	2·6	·191	·155	87	75	W 1	W 2	0	10	—	Dull from noon.
11	29·24	29·54	33·2	33·1	30·5	36·7	1·8	3·6	·153	·121	80	64	NW 1	NW 2	5	0	—	
12	·67	·44	26·5	37·1	23·5	37·1	1·8	2·2	·091	·179	63	81	W 1	NE 2	5	10	·050	═
13	·33	·74	38·2	34·4	32·3	40·8	0·9	0·9	·212	·181	93	91	SW 1	W 1	7	5	—	
14	29·96	29·94	31·0	37·8	29·3	37·9	0·5	0·4	·161	·218	92	96	W 1	W 1	10	10	·100	≋ till noon. ● 9p.
15	30·08	30·01	36·1	39·6	32·9	40·9	0·5	1·0	·203	·223	95	92	NW 1	W 2	5	5	—	
16	29·98	30·05	44·1	42·2	38·8	46·0	2·6	1·5	·233	·237	80	89	W 1	W 2	10	10	—	∞
17	·76	29·91	51·1	45·1	41·6	53·6	2·1	1·9	·322	·256	85	85	W 4	W 2	10	5	·050	Fine day.
18	·50	·88	50·1	37·0	37·0	51·2	2·6	1·8	·297	·186	82	85	SW 10	W 2	10	0	—	Gusty ═ a. and till 0.30p.
19	·65	·37	44·1	41·4	33·8	44·7	2·6	0·9	·233	·242	80	93	SW 8	SW 4	5	10	—	Stormy till 11a.
20	·32	·17	36·6	34·8	34·8	43·4	0·9	1·4	·199	·174	92	86	SW 1	W 4	10	5	·250	● at night.
21	·24	·38	33·8	31·6	30·5	39·9	0·5	1·8	·184	·137	94	77	W 1	W 1	10	0	·100	
22	·22	·32	37·4	37·2	29·8	39·1	0·6	0·8	·212	·206	95	93	SE 6	W 1	5	10	·100	
23	·62	·52	35·8	41·4	34·2	43·1	0·7	0·8	·197	·244	94	94	W 1	W 1	10	10	·050	Dull day.
24	29·21	29·74	45·7	36·5	36·5	46·4	0·2	2·1	·303	·177	99	82	SW 1	W 4	10	10	·050	● showers till noon.
25	30·11	30·08	34·7	46·2	30·9	46·2	0·9	2·7	·184	·253	92	82	W 1	W 2	10	10	—	Dull day.
26	·14	·28	45·5	45·1	44·8	46·7	2·2	0·7	·255	·284	84	94	W 2	W 1	10	10	—	Dull day. ≋
27	·30	30·27	42·1	37·5	37·1	45·9	1·3	2·8	·240	·173	90	77	SW 2	SW 2	10	10	—	
28	·13	29·99	34·8	30·5	30·3	38·5	1·7	1·0	·168	·145	83	85	NW 1	NW 1	10	10	—	Dull day.
29	·02	30·14	33·1	32·3	29·1	36·4	1·6	0·8	·156	·166	82	90	W 1	NW 1	10	10	—	Dull day. ≋
30	30·11	29·91	32·7	42·1	27·9	42·1	0·8	1·4	·170	·238	91	89	N 1	W 1	10	10	—	
31	29·72	29·75	45·5	44·4	41·4	47·3	1·7	2·4	·266	·240	88	82	SW 2	SW 6	10	10	·050	Dull day.
Mean	29·801	29·818	38·1	38·1	33·5	42·6	1·4	1·5	·206	·203	87·2	86·7	1·9	1·9	8·5	8·0	1·150	

GLASGOW.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·02	30·09	43·9	42·9	40·9	44·8	1·7	1·8	·249	·237	80	86	SE 1	S 3	10	10	—	Gloomy and overcast.
2	·10	·13	40·9	39·1	38·6	44·2	2·3	2·1	·209	·198	83	83	SSE 1	E 1	10	10	—	Dull and overcast.
3	·21	·25	36·0	32·8	32·5	40·5	2·0	3·5	·174	·119	82	64	SSW 1	ENE 1	10	4	—	∞. ▽ 9.15p.
4	·33	·37	31·5	37·0	30·6	38·2	2·5	1·6	·122	·189	69	86	ENE 1	E 1	5	10	—	⌣0. Fine day.
5	·45	30·50	37·2	37·8	35·7	39·8	1·8	3·3	·187	·167	85	74	Calm 0	SSE 1	10	10	—	≋0 a. Dull and overcast.
6	30·32	29·89	39·1	42·2	37·0	42·7	2·3	0·6	·194	·256	82	95	S 2	SSW 4	10	10	·260	Overcast, with ●0.
7	29·96	·98	35·9	36·6	35·0	44·2	2·3	1·1	·170	·196	81	91	WNW 1	SSW 1	0	10	—	⌣0. Fine day.
8	·89	·58	41·1	48·9	36·3	49·5	0·5	0·3	·247	·339	96	98	S 1	WSW 4	10	10	·295	Overcast, with ●0.
9	29·31	29·15	50·4	41·0	41·0	51·2	1·1	1·7	·336	·222	92	86	WSW 5	W 6	10	5	·130	Cloudy, with squally ↙ ●0.
10	28·86	28·93	38·0	35·4	35·2	43·5	1·3	1·5	·211	·178	90	86	SW 2	W 1	10	9	·022	Cloudy, with ●0.
11	29·29	29·55	31·9	34·4	31·2	37·5	2·3	2·3	·130	·154	72	77	W 1	WSW 1	4	10	·030	⌣0. Fine, then overcast, with ✳0.
12	·65	·32	30·8	40·4	30·0	40·9	0·4	1·8	·163	·214	95	86	E 1	SSE 6	10	10	·210	≋0 a. Overcast, with squally ↙
13	·35	·75	40·0	38·9	38·8	43·6	1·3	0·8	·220	·221	90	94	SW 3	SSW 1	10	6	·030	Cloudy, with ●0. [●0.
14	29·97	29·93	38·4	42·7	35·9	44·0	0·8	0·7	·216	·259	94	94	S 1	SSW 1	10	10	·015	≋0 a. Overcast, with ●0 n.
15	30·11	30·01	41·0	43·1	40·4	45·7	0·4	1·5	·248	·245	97	88	SSW 1	S 3	4	10	—	
16	30·01	30·06	46·1	43·1	41·4	48·4	2·9	1·7	·246	·241	80	87	S 2	SSW 1	6	7	·050	Fine day.
17	29·83	29·90	51·1	46·2	42·7	52·2	1·0	1·4	·349	·279	93	90	SW 6	SW 2	10	10	·120	Cloudy, with squally ↙ ●0.
18	·50	·93	49·0	38·8	38·0	52·4	2·1	1·8	·295	·200	85	85	SSW 4	SSW 1	10	0	·128	Cloudy, with ●0.
19	·66	·33	43·5	43·9	38·2	45·4	1·7	1·6	·245	·251	87	87	S 6	SSW 4	10	9	·675	Overcast, with squally ↙ ●0.
20	·32	·22	36·6	36·1	33·9	44·8	1·3	1·0	·192	·193	89	91	SW 1	WSW 2	10	7	·175	⌒ 10a. Cloudy, with ●0. <0 ▲0.
21	·29	·35	35·4	36·9	33·9	41·0	0·8	1·4	·191	·193	92	83	WSW 1	SE 2	7	10	·153	●0 a. Fine day.
22	·17	·36	35·0	36·7	33·7	37·6	0·4	0·5	·196	·208	96	96	ENE 1	WSW 2	10	10	·020	✳0 a. Overcast, with ●0.
23	·61	·45	41·0	46·6	39·1	46·8	0·3	1·9	·250	·273	98	87	S 1	S 3	10	10	·340	≋0 a. Overcast. ●0 n.
24	29·32	29·82	40·9	37·1	36·0	48·5	1·3	1·1	·229	·199	90	90	WNW 1	WSW 1	10	8	·130	Cloudy, with ●0 ▲0.
25	30·10	30·09	39·9	46·5	35·7	47·2	1·3	3·0	·219	·248	90	80	SW 1	S 2	10	10	—	
26	·15	·26	46·0	46·6	46·0	47·4	1·9	1·7	·266	·277	87	88	SW 2	S 2	10	10	·010	Dull and overcast.
27	·27	30·23	43·2	38·4	38·1	47·4	1·7	3·2	·242	·173	87	74	SSE 1	SSE 2	10	10	—	Overcast and threatening.
28	·11	29·97	28·9	30·5	28·1	39·1	1·2	1·6	·125	·131	80	77	NE 1	NNE 1	5	10	·010	⌣0. ∞.
29	·02	30·13	32·9	35·7	30·4	36·6	1·0	0·5	·166	·199	89	95	NNE 1	NNE 1	10	10	—	✳0 a. Gloomy and overcast.
30	30·10	29·91	38·4	44·6	35·7	45·1	0·6	1·4	·220	·263	95	89	NE 1	SSW 2	10	10	·005	Dull and overcast.
31	29·73	29·82	45·3	40·6	40·6	47·5	0·7	1·1	·286	·230	95	91	SW 2	SW 1	10	3	·180	Overcast, with ●0
Mean	29·807	29·815	39·7	40·0	36·4	44·4	1·4	1·6	·219	·218	87·9	86·5	1·7	2·0	8·7	8·6	2·988	

WOLFELEE.—DECEMBER 1889.

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

1	29·58	29·59	37·5	37·0	32·0	42·5	1·4	1·4	·197	·193	88	88	SW	SW	—	—	—	Fine day.
2	·65	·70	35·0	33·0	33·0	43·2	2·4	0·9	·157	·169	77	90	SW	SW	—	—	—	Dull a. Cloudy p.
3	·75	·79	32·5	30·5	28·5	38·0	1·9	0·9	·144	·147	78	86	W	SW	—	—	—	Dull, with ▲ a. Fine p.
4	·86	29·89	32·4	33·5	23·5	35·2	0·4	0·9	·177	·173	96	90	SW	SE	—	—	·010	Fine a. Dull, with ●0 showers p.
5	·97	30·00	32·5	32·0	30·0	38·2	0·4	0·4	·177	·172	96	94	E	W	—	—	—	Dull a. Fine p.
6	·89	29·50	30·0	35·0	24·0	38·0	0·9	0·9	·143	·186	85	91	W	W	—	—	·140	Fine a. Dull and blowy p.
7	·44	·53	37·0	24·0	27·5	41·0	0·9	0·9	·202	·097	92	76	N	NE	—	—	—	Fine and clear.
8	29·46	29·15	36·0	44·5	23·0	38·0	0·9	0·9	·195	·273	92	93	SW	SW	—	—	·130	Blowy, with ● p.
9	28·94	28·74	50·0	39·0	35·8	50·5	1·9	1·4	·312	·210	87	89	SW	SW	—	—	·020	Dull and blowy. ● p.
10	·47	28·48	36·0	36·0	34·0	52·0	1·4	1·4	·186	·189	87	87	W	NW	—	—	·050	Blowy a. Fine and clear.
11	28·74	29·10	30·0	24·5	26·0	41·2	1·4	0·4	·130	·118	77	90	NW	NW	—	—	—	✳ 4a. Fine and clear.
12	29·19	28·98	25·5	37·0	20·0	40·2	0·0	1·4	·138	·193	100	88	SW	SSW	—	—	·040	Fine and frosty a. Dull and blowy p.
13	28·94	29·29	36·5	27·0	23·0	39·4	0·4	1·4	·208	·104	96	71	SW	SW	—	—	—	Clear and frosty p.
14	29·51	·52	27·5	34·5	23·0	39·5	0·9	0·9	·123	·182	82	91	SW	SW	—	—	·050	Clear and frosty a. ● showers p.
15	·65	·59	39·0	40·5	26·0	40·0	2·4	0·9	·192	·233	81	95	S	SW	—	—	—	Fine a.
16	·56	·63	45·0	41·5	38·0	46·0	1·4	0·9	·266	·243	89	93	W	W	—	—	·040	Fine day. Mild p.
17	·43	·44	49·0	46·0	39·5	49·5	0·9	0·9	·325	·289	94	94	SW	SW	—	—	·290	Blowy, with ● showers a.
18	·11	29·49	47·0	35·0	44·0	50·5	1·9	1·4	·277	·176	87	86	SW	SW	—	—	·330	Stormy ↙ ● a. Fine and clear p.
19	29·31	28·98	41·0	43·0	30·0	48·0	2·4	0·9	·208	·257	81	93	W	W	—	—	1·360	Blowy a. Stormy day.
20	28·87	·84	36·5	36·5	34·0	44·5	0·4	2·4	·208	·172	96	79	W	W	—	—	—	Dull day.
21	·84	·95	34·5	29·0	31·5	37·5	1·4	0·4	·172	·148	85	93	W	SW	—	—	·030	Fine and clear. Snow on hills.
22	28·74	28·89	37·0	41·0	24·0	37·8	1·4	0·4	·193	·248	88	97	S	SE	—	—	·070	Dull, with ● showers.
23	29·20	29·09	35·5	41·0	32·0	42·0	0·4	0·9	·200	·237	96	93	SW	SW	—	—	·280	Fine and clear.
24	28·78	·35	48·0	34·0	33·0	48·8	0·9	1·4	·312	·168	94	85	SW	SW	—	—	·130	Blowy, with ● a. Fine and clear p.
25	29·66	·67	35·0	44·0	29·0	48·8	1·4	1·4	·176	·257	86	89	SW	SW	—	—	—	Fine and clear a. Dull and blowy p.
26	·72	·80	44·0	43·0	32·0	45·0	2·4	0·9	·236	·257	81	93	W	SW	—	—	—	Blowy a. Fine and mild.
27	·84	·78	40·5	33·5	38·0	46·0	1·9	0·9	·213	·173	85	90	S	SE	—	—	—	Fine p.
28	·62	·54	33·0	26·0	28·0	41·5	0·9	0·4	·169	·127	90	90	SE	SW	—	—	—	✳ a. Dull day.
29	·53	·65	31·0	32·0	21·0	33·5	1·4	1·4	·139	·149	79	82	W	SW	—	—	—	Dull a.
30	·66	·50	31·0	37·0	23·0	36·5	0·9	0·9	·151	·202	86	92	SW	SW	—	—	—	Dull and blowy p.
31	29·35	29·40	42·0	40·0	30·0	43·0	0·9	0·4	·247	·239	93	97	SW	SW	—	—	·310	
Mean	29·363	29·381	37·0	35·8	29·6	42·4	1·2	1·0	·199	·193	87·9	89·1	—	—	—	—	3·280	

SCARBOROUGH.—DECEMBER 1889.

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

Day	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·19	30·26	36·4	33·0	32·0	38·6	1·9	1·3	·178	·160	84	86	SW 2	SW 1	10	2	—	Very fine.
2	·28	·31	31·1	33·1	27·5	33·3	1·6	0·1	·136	·186	78	99	SW 2	SW 3	4	4	—	Fine day.
3	·33	·34	31·4	31·6	26·5	34·1	0·9	0·6	·154	·164	88	92	SW 2	SE 1	3	5	—	Brilliant, with keen frost.
4	·34	·36	40·3	38·7	30·5	41·3	1·2	0·9	·225	·217	91	92	E 1	Calm 0	9	9	·020	Cloudy, with ●.
5	·49	·54	35·4	37·7	34·6	38·9	0·5	0·5	·196	·216	95	96	Calm 0	W 1	10	10	·030	Dull day. ● at night.
6	30·45	·14	35·9	34·6	34·3	37·8	0·1	1·1	·208	·178	99	89	SW 2	SW 2	9	10	·330	Dull, with ● a. Then fair, but cold.
7	29·83	30·00	33·6	38·7	32·0	42·3	0·0	1·3	·193	·209	100	89	SW 2	NE 3	10	7	·120	✳ ●
8	30·02	29·79	32·6	36·4	30·0	38·7	1·1	0·1	·160	·213	88	99	SW 2	SW 3	9	10	·270	Fine and bright a. ● at night.
9	29·47	29·29	46·8	44·7	35·8	49·8	0·5	1·5	·306	·261	96	88	SW 4	SW 2	7	3	·010	Stormy, with ● early a. Then fair and [mild.
10	·03	28·95	42·2	36·7	34·5	45·3	0·9	0·8	·249	·202	92	93	SW 2	SW 1	6	10	·020	● showers a., then brilliant. ● n.
11	·16	29·55	34·6	34·3	32·0	38·7	0·6	2·8	·188	·145	94	73	W 5	W 3	4	0	—	✳ early a., then brilliant and very cold.
12	·74	·66	32·3	34·5	29·8	35·3	0·9	0·8	·162	·184	89	92	SW 3	SW 3	1	10	·100	Brilliant a.
13	29·52	29·78	39·9	34·0	33·3	41·6	0·3	0·0	·239	·196	98	100	SW 5	SW 1	10	0	—	Stormy, with ● early a. Day fine and [bright.
14	30·02	30·09	31·9	34·8	28·5	37·9	0·0	0·3	·180	·196	100	97	SW 1	S 2	1	10	·010	Brilliant, with keen frost.
15	·16	·17	37·7	36·7	34·0	38·3	0·1	0·0	·225	·218	99	100	SW 3	SW 1	1	10	—	≋ a and p. Day bright and cold.
16	·10	·20	40·7	43·7	31·8	44·3	0·1	0·1	·252	·283	99	99	SW 3	SW 1	9	5	—	Dull a., then fine and bright. ≋ p.
17	30·03	·06	48·8	50·5	42·6	52·0	0·6	0·8	·329	·346	95	95	SW 4	SW 3	10	10	—	Dull a., with ≋. Fair and very mild.
18	29·84	30·01	48·0	40·5	40·0	51·8	1·4	2·2	·301	·208	90	83	SW 4	SW 3	7	0	—	Fine, with fresh breeze.
19	·98	29·67	37·9	40·4	34·0	42·3	1·5	1·0	·198	·230	87	92	SW 4	SW 9	0	2	—	Brilliant and cold. ↙
20	·37	·39	41·6	35·3	34·3	42·5	0·4	0·6	·254	·193	97	94	SW 3	W 3	9	0	·130	Dark, with ● a. Brilliant evening.
21	·38	·45	37·2	36·1	34·0	38·8	0·4	0·6	·214	·200	96	95	SW 3	W 1	10	0	·170	Cloudy a., then brilliant.
22	·25	·35	42·9	43·7	33·5	45·8	0·0	1·3	·276	·255	100	89	S 3	SW 2	10	10	·040	≋ ●
23	·66	·71	43·5	43·4	41·0	45·3	1·6	0·5	·247	·270	87	96	W 4	SE 1	1	10	·020	Brilliant a.
24	29·41	29·79	46·5	40·2	39·6	49·0	0·1	2·4	·315	·201	99	81	SE 4	W 3	10	0	·090	Dark, with ● a. Stormy. Brilliant [from 3p.
25	30·21	30·29	36·4	37·7	36·0	40·6	0·9	0·3	·197	·220	92	98	SW 1	SW 1	0	10	—	Brilliant and fresh.
26	·33	·38	41·4	42·3	36·7	43·6	1·3	1·6	·232	·236	90	88	SW 2	SE 1	10	10	—	
27	·42	·29	40·5	36·7	34·7	43·3	0·7	2·2	·237	·176	94	81	SE 2	E 3	10	10	—	
28	·13	·07	32·4	30·3	30·0	36·8	1·2	0·1	·157	·166	86	99	SE 1	SW 1	10	10	·010	✳ 9a. Dark, cloudy, and very cold.
29	·06	·11	29·3	38·1	25·0	38·1	0·0	0·7	·162	·215	100	94	SW 2	SW 2	8	10	·020	Bright a. Very cold. Dull p.
30	·20	30·13	34·3	30·6	30·0	38·3	1·3	0·1	·172	·168	86	99	SW 1	E 2	5	0	—	Brilliant day.
31	30·02	29·95	30·6	33·0	26·2	33·3	0·0	0·1	·171	·186	100	99	SW 2	SW 2	1	1	—	≋ at times.
Mean	29·916	29·938	37·9	37·5	33·0	41·2	0·7	0·9	·217	·210	93·2	92·5	2·5	2·1	6·6	6·1	1·400	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—DECEMBER 1889.

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

1	30·09	30·17	47·6	46·0	44·6	47·8	3·4	3·0	·251	·244	76	79	S 3	S 3–4	10	10	—	Dull day.
2	·18	·19	43·3	42·8	41·6	46·9	2·1	4·8	·235	·183	84	66	S 2	SSE 4	7	10	—	Overcast.
3	·23	·26	41·3	37·2	36·5	42·8	2·4	2·2	·211	·180	81	81	ESE 4	SSE 5	10	7	—	Dull day.
4	·33	·37	39·8	42·3	35·9	42·3	4·8	3·3	·158	·204	64	76	SE 5	SE 4–5	6	10	—	↙ a. Fine.
5	·50	·55	41·0	40·0	38·9	42·3	3·8	3·7	·183	·177	71	71	SE 3	S 3	9	10	—	Overcast.
6	·42	·12	43·0	43·2	38·0	44·0	3·0	0·2	·215	·275	78	98	SSW 2	SW 5	10	10	·478	Overcast. ● at night.
7	·03	30·08	42·5	47·3	34·0	47·3	1·9	0·3	·232	·319	86	98	N 3	NW 2	2	8	·036	Fine day. ● at night.
8	30·02	29·78	43·6	50·6	34·9	50·6	1·7	0·4	·246	·358	86	97	W 2	WNW 4	10	10	·212	Overcast, with ●.
9	29·57	·36	52·0	47·0	46·0	52·8	1·2	1·8	·356	·280	92	87	W 4	W 5	8	10	·050	Dull, with ●.
10	·06	·03	43·4	40·4	39·4	47·0	2·4	1·8	·230	·214	81	86	WSW 5–6	WNW 5	3	10	·069	Squally ↙ a. Dull day. ● n.
11	·34	·62	39·0	53·2	32·5	42·0	3·6	0·4	·171	·182	73	96	NNW 3	WNW 1	2	2	·012	Very fine. ⌣2 △ ●2 p.
12	·73	·43	37·6	45·7	29·0	45·7	1·4	0·6	·198	·293	88	96	WSW 1	S 7–8	4	10	·338	Dull day. Squally ↙ ●2 p.
13	29·47	29·81	41·7	34·7	32·0	46·2	1·7	0·2	·228	·198	87	98	WSW 2	W 2	2	1	—	Fine day. ⌣2 p.
14	30·04	30·04	31·6	47·0	28·8	47·0	1·6	0·3	·141	·316	79	98	Calm 0	SSW 3	0	10	·060	⌣2 a. Dull day. ● at night.
15	·20	·13	37·2	47·0	35·2	47·4	0·2	0·7	·218	·306	98	95	Calm 0	S 3	2	10	·039	● a. Dull, with ≋0 (mist).
16	·14	·17	48·2	47·8	40·0	51·3	0·4	0·2	·327	·328	98	98	NNW 3	SSW 3	8	10	·019	Dull day. ⌓ p. ● n.
17	30·08	·04	50·5	51·0	47·8	52·0	0·4	0·2	·358	·369	98	99	SSW 2–3	SW 3	10	10	·068	● a. Overcast, with ●0 p.
18	29·75	30·08	49·0	39·0	37·4	51·0	0·2	1·0	·343	·218	99	92	SW 6	WNW 2	10	2	·127	Squally ↙ ● a. ● showers.
19	·90	29·53	47·9	48·0	37·9	48·0	0·8	0·5	·313	·322	95	97	SW 6–7	SW 7–8	7	10	·451	Dull, with squally ↙. ● n.
20	·46	·43	39·4	40·0	37·7	48·0	1·1	1·2	·229	·222	91	90	W 2	W 5	8	4	·101	Fine day. ▲ showers 6p.
21	·43	·38	41·0	43·0	34·8	43·2	1·0	0·4	·235	·268	92	97	NW 5	ESE 4	3	10	·434	● a. Fine day. ● n.
22	·25	·44	48·2	46·3	41·2	48·9	0·4	0·3	·327	·307	98	98	W 3	NW 3	7	7	·052	●2 a. Dull and overcast. ●2 from [2p.
23	·72	·57	46·7	48·8	42·0	48·8	0·7	0·2	·302	·341	95	98	WSW 3	S 4–5	9	10	·410	Dull day. Stormy, with ● n.
24	29·45	29·94	41·8	42·0	40·2	50·0	0·0	1·2	·265	·241	100	91	NW 7	NW 6	10	0	·025	Squally ↙ ●2 a.
25	30·22	30·22	43·7	48·8	38·0	49·5	0·5	1·2	·274	·315	96	91	WNW 2	SW 4	7	10	·002	⌣ a. Fine day.
26	·29	·33	48·9	48·0	46·8	49·8	2·9	1·6	·277	·295	80	89	SW 3	SSW 3	9	10	·040	Dull day.
27	·32	·22	45·5	38·9	38·9	48·0	1·7	1·4	·266	·210	88	89	ESE 3	SSE 4	10	10	—	Overcast.
28	·12	·02	36·1	37·0	34·2	38·9	1·3	0·5	·188	·210	88	96	SE 3	S 4	8	10	·110	Dull day.
29	·05	·17	40·2	42·0	35·4	42·0	0·4	0·2	·241	·263	96	98	ESE 2	Calm 0	10	10	·110	● a. Overcast.
30	30·17	30·06	45·0	46·8	39·2	47·2	0·2	2·1	·294	·270	98	85	SSW 2	SSW 4	10	10	·002	Dull day.
31	29·91	29·93	47·4	43·0	42·6	47·4	2·1	0·3	·277	·270	85	98	SW 6–7	NNW 3	10	10	·442	● a. Overcast, with squally ↙. [●2 from 5p.
Mean	29·919	29·918	43·4	43·7	38·1	46·9	1·6	1·2	·251	·264	87·8	91·2	3·2	3·8	7·1	8·4	3·687	

STONYHURST.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·92	30·01	39·5	36·5	36·0	40·3	4·5	3·2	·160	·158	66	73	Calm 0	SSE 1	10	10	—	Overcast and gloomy.
2	30·01	·03	33·5	33·1	31·7	36·5	2·4	2·1	·144	·146	75	77	SSE 1	Calm 0	10	10	—	Overcast *p.*
3	·05	·08	30·7	31·8	29·9	33·6	2·3	2·5	·118	·125	69	70	NEbyN 1	E by S 1	10	10	—	Overcast. ☂ *p.*
4	·12	·14	31·2	35·9	28·7	36·7	1·4	1·4	·141	·186	80	88	Calm 0	Calm 0	9	10	—	═ *a.* Dull and overcast.
5	·26	30·33	35·2	36·0	34·1	36·7	1·7	2·9	·173	·160	84	75	Calm 0	NEbyN 1	10	10	—	Dull and overcast.
6	30·23	29·92	34·3	34·4	33·7	37·1	2·7	2·1	·146	·158	74	79	Calm 0	SWb.W 1	10	10	·339	Overcast and gloomy. ✳ *p.*
7	29·68	·85	36·3	31·1	30·4	40·5	0·5	2·0	·205	·128	96	72	Calm 0	Calm 0	10	2	·006	
8	·83	·59	33·1	38·0	27·0	38·0	1·1	0·9	·166	·210	88	92	Calm 0	SSW 2	10	10	·900	═ *a.* Overcast and gloomy.
9	29·57	29·13	46·2	45·0	37·3	48·9	0·2	1·9	·308	·255	99	86	WSW 3	WbyS 3	10	7	·345	● *a.* Overcast. Squally *p.*
10	28·86	28·79	41·2	39·1	35·5	45·1	1·7	2·3	·223	·194	87	82	SWb.W 2	WbyS 2	10	8	·074	▲ ● *a.*
11	29·05	29·40	35·7	31·3	29·5	39·6	3·6	2·3	·146	·124	69	70	NNW 1	Calm 0	3	0	·005	═ *a.* Fine, clear, and sunny.
12	·54	·37	32·8	37·3	27·5	37·3	1·4	2·2	·157	·181	84	82	Calm 0	S 4	10	10	·100	✳° *a.* Overcast.
13	·28	·57	38·0	33·3	32·7	42·7	1·5	0·8	·199	·174	87	91	WSW 1	Calm 0	6	2	—	
14	·82	·87	27·1	36·3	26·0	36·4	0·3	1·0	·138	·196	93	92	Calm 0	Calm 0	10	10	·088	≋ ═ *a.* ≋ *p.*
15	·97	·93	39·2	39·2	35·1	42·7	0·6	0·3	·228	·234	95	97	Calm 0	Calm 0	10	10	·182	≋² *a.* ≋ most of day.
16	·93	·97	45·2	46·3	37·4	47·6	0·2	0·3	·297	·307	99	98	WbyS 1	WSW 1	10	10	·125	Overcast, with ●. ≋ *p.*
17	·91	·86	48·3	48·0	45·0	49·2	0·9	0·8	·316	·325	94	95	WSW 1	WSW 3	10	10	·200	Overcast, with ●.
18	·64	·87	48·3	37·9	36·3	51·1	2·4	0·9	·281	·209	83	92	SSW 3	SWbyS 1	10	0	·168	Cloudy and squally, with ●.
19	·80	·44	38·3	43·1	34·2	43·9	1·8	2·2	·196	·231	86	82	SSW 2	SbyW 4	10	10	·370	Overcast all day.
20	·20	·22	38·1	37·8	34·1	44·5	1·4	1·8	·202	·192	88	85	NWb.W 1	WSW 2	10	3	·560	● *a.* ▲ ● *p.*
21	·19	·20	33·4	36·6	32·7	41·6	0·8	1·3	·175	·192	91	89	Calm 0	Calm 0	10	10	·456	✳ ● *a.*
22	·03	·18	39·0	45·4	35·0	46·5	0·6	0·9	·226	·285	95	94	Calm 0	W 2	10	10	·155	Overcast, with ●⁰
23	·52	·46	43·0	43·9	41·3	46·8	0·4	1·9	·268	·245	97	85	SWb.W 1	SSW 1	10	6	·124	Dull and overcast.
24	29·12	29·69	46·3	40·7	39·1	49·7	0·9	2·9	·293	·197	94	78	SbyE 5	WNW 2	10	7	·115	Squally, with ● *a.*
25	30·02	30·04	36·5	43·2	33·4	43·6	0·5	1·9	·206	·238	95	85	Calm 0	WSW 1	9	10	—	═ *a.*
26	·10	·14	43·9	43·7	41·9	45·4	2·7	1·9	·229	·244	80	85	SW 1	Calm 0	10	10	—	Overcast.
27	30·14	30·04	41·1	32·2	31·4	46·0	3·2	2·9	·194	·122	76	67	SE 1	E 2	10	3	—	Overcast.
28	29·91	29·85	32·9	27·3	25·8	33·7	2·2	2·0	·142	·093	75	62	ESE 1	Calm 0	10	4	—	Dull and overcast.
29	·86	·95	30·1	33·3	25·9	33·4	2·0	1·4	·117	·162	70	85	Calm 0	Calm 0	10	10	—	Overcast.
30	·99	·92	28·1	34·1	26·3	36·5	0·7	2·0	·132	·157	86	79	Calm 0	Calm 0	6	10	—	═ *n.* Dull and overcast. ∞ *p.*
31	29·79	29·76	32·2	37·3	30·0	39·0	1·2	1·2	·155	·199	85	90	SSW 1	SW 2	0	10	·165	═ ∞ *a.* Dull and overcast. ● *p.*
Mean	29·713	29·728	37·4	37·7	33·1	41·6	1·5	1·7	·196	·194	85·2	83·2	0·9	1·2	9·1	7·8	4·477	

HILLINGTON.—DECEMBER 1889.

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

1	30·29	30·39	30·8	25·9	25·2	37·2	0·9	0·2	·149	·133	87	96	SE 0·5	ESE 0·5	0	0	—	═ *a.* Very fine and sunny. ═² *p.*
2	·42	·40	26·7	28·4	22·0	34·2	0·5	0·3	·128	·146	89	95	SE 0·5	SE 0·5	6	4	·010	═² *a.* Much cir. ☂ ═ *p.*
3	·41	·39	28·8	31·3	23·2	33·2	1·2	1·3	·124	·145	79	82	SE 1	SE 2	5	10	·028	═² *a.* Very fine. Splendid sunset. ☂ *p.*
4	·38	·45	34·9	32·7	31·0	35·0	0·3	0·4	·196	·177	97	95	SE 1	E 1	9	10	·008	Overcast and damp all day. ✳⁰ 2*p.*
5	·53	·57	35·8	36·9	32·7	39·4	2·0	1·2	·172	·196	82	90	ENE 1	NE 1	10	10	·050	
6	·51	·31	34·9	32·9	32·1	37·6	0·4	1·2	·195	·162	96	87	E 0·5	S 1	10	10	·110	Overcast and very damp.
7	·00	·06	31·3	32·2	31·0	37·5	0·5	0·4	·163	·173	93	95	SW 0·5	SW 0·5	10	10	·140	✳ most of day, 2½ ins. deep 1*p.*
8	30·16	30·03	27·0	34·0	25·2	34·4	0·2	0·5	·140	·185	96	95	S 0·5	S 3	10	10	·258	Fine and sunny. Much cir.
9	29·71	29·48	42·5	48·2	34·0	48·5	0·1	0·5	·270	·324	99	97	SW 2	SW 4	10	10	·030	●² in past *n.* Much cir.
10	·24	·14	43·1	33·5	33·4	48·5	2·3	0·7	·229	·177	82	93	SW 4	SW 1	10	1	·002	Overcast all day. Very cold 4*p.*
11	·27	·63	30·9	33·5	29·3	38·3	0·3	2·3	·166	·146	96	77	NW 0·5	NW 2	7	0	·003	═² *a.* ◠. ✳² noon. Much cir.
12	·90	·89	23·0	33·4	22·2	36·2	0·3	1·5	·112	·160	92	84	S 0·5	S 2	1	7	·082	═² *a.* Fine and sunny.
13	29·69	29·82	39·3	39·0	33·1	42·3	0·6	0·5	·228	·231	96	98	SW 4	SW 0·5	10	10	·010	●² early *a.* Overcast all day. ≋ *p.*
14	30·08	30·22	36·2	35·0	34·2	40·3	0·1	0·0	·211	·224	99	100	SW 1	SW 1	10	10	·006	≋ (mist) all day. ≋² *p.*
15	·29	·32	33·8	34·9	33·1	40·3	0·1	0·2	·192	·199	99	98	SW 1	SW 2	10	10	·010	≋ from 4.30*p.*
16	·28	·33	41·2	46·1	34·3	47·1	0·2	0·1	·254	·309	98	99	SW 2	SW 0·5	5	10	·033	Wet ≋ *p.*
17	·29	·24	49·3	48·7	45·8	52·6	0·5	1·0	·339	·318	97	93	SW 2	SW 4	10	10	·003	Overcast and damp.
18	·09	30·14	48·9	42·2	42·2	56·6	1·1	1·4	·318	·238	93	89	SW 5	NW 1	10	1	·012	Overcast.
19	30·21	29·92	31·1	39·0	27·8	42·4	0·1	1·8	·172	·202	99	86	SW 0·5	SW 5	10	10	·030	═ ≋² (mist). Much cir. ✎ *p.*
20	29·56	·64	44·5	34·8	34·0	44·5	0·8	1·2	·275	·179	94	88	S 4	SW 4	10	0	·058	
21	·56	·58	35·6	38·3	32·7	42·4	0·1	0·6	·206	·219	99	95	SW 4	SW 1	10	10	·340	✳⁰ early *a.*
22	·37	·46	50·0	46·3	38·1	52·4	0·3	0·4	·353	·304	98	97	SW 4	SW 2	10	9	·032	
23	·80	·87	42·5	42·9	39·3	46·8	0·8	0·6	·254	·263	94	95	SW 3	SW 1	5	10	·002	Day fine and sunny. ≋⁰ (mist) *p.*
24	29·59	29·93	48·1	39·7	39·1	50·0	0·5	2·3	·323	·199	95	81	SW 4	NW 5	10	0	·206	Overcast. ●² ✳⁰
25	30·31	30·41	35·6	30·1	30·1	41·3	0·8	0·3	·193	·158	93	96	NW 1	SE 0·5	3	0	·008	═ *a.* Fine and sunny. Much cir. all day.
26	·46	·48	33·9	38·9	29·2	40·8	0·2	2·0	·190	·198	98	84	SW 0·5	SE 0·5	10	10	·05	═ *a.* Overcast all day.
27	·47	·31	38·0	33·2	32·0	39·4	1·5	2·4	·199	·141	87	75	SE 1	E 4	10	10	—	Overcast all day.
28	·19	·17	30·5	29·9	29·3	34·0	1·9	2·2	·124	·112	73	67	E 1	E 0·5	10	10	·002	Overcast all day. ✳⁰ ●⁰ (sleet)
29	·18	·21	19·9	31·5	18·3	32·2	0·4	0·5	·092	·165	86	94	SW 0·5	SW 2	3	10	·014	═ *a.* Much cir. *a.* ✳ 8*p.*
30	·28	·29	27·2	28·0	24·7	33·1	0·3	0·3	·138	·144	94	94	SE 1	SW 1	10	10	·002	≋ (mist) all day. ≋ *p.*
31	30·22	30·19	28·7	30·1	26·6	32·3	0·4	0·4	·146	·156	92	94	SW 0·5	SW 1	10	10	—	≋⁰ (mist) then fine. Ice under trees. [☂
Mean	30·056	30·073	35·6	35·9	31·2	41·0	0·6	0·9	·202	·196	92·7	90·6	1·7	1·8	8·2	7·5	1·594	

CHURCHSTOKE.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·74	29·81	39·7	31·7	31·0	40·0	2·0	0·8	·179	·159	83	90	E 2	E 2	10	0	—	Bitter wind.
2	·82	·82	28·9	30·9	26·1	37·0	0·6	0·4	·142	·162	89	94	E 2	E 2	10	10	—	═.
3	·83	·86	27·7	28·7	26·3	31·6	0·8	0·8	·126	·134	84	86	ESE 2	SE 2	10	10	—	Very raw, with ≋⁰ (mist).
4	29·90	29·92	24·7	32·9	23·3	34·5	0·8	0·8	·105	·170	79	91	NE 2	SE 2	5	10	—	═ *a.* Fine and bright, but very sharp.
5	30·04	30·11	31·9	33·5	30·4	34·8	0·6	0·8	·166	·175	93	91	ESE 1	SE 1	10	10	—	Dull and raw, with ✳⁰ ≋⁰ (mist).
6	29·98	29·70	32·9	34·9	31·2	35·5	1·0	1·6	·166	·172	89	84	E 1	SE 1	10	10	·150	≋⁰ (mist) *a.* and *p.* Cold and raw.
7	·48	·66	39·7	31·1	30·2	42·1	0·8	1·4	·227	·140	93	80	NW 1	WNW 1	8	1	—	✳ ● in past *n.*
8	·67	·41	30·7	47·9	27·1	48·3	0·8	1·8	·151	·289	88	88	SW 2	SW 2	10	10	·140	═. Very sharp.
9	29·26	29·04	47·9	45·3	44·0	51·3	2·0	0·4	·285	·293	86	97	W 2	W 2	6	6	·080	Mild.
10	28·75	28·66	41·2	32·7	30·2	46·1	1·3	0·8	·231	·168	90	91	NW 1	NW 1	2	2	·050	Stormy, with ●.
11	28·89	29·27	34·9	28·7	27·8	42·1	0·5	0·8	·192	·134	95	86	NW 1	NW 1	0	0	—	✳ ● (sleet) showers *a.* Fine *p.*
12	29·40	·18	29·9	42·8	25·1	42·8	0·4	2·9	·154	·214	94	78	SW 2	SW 2	4	10	·200	═
13	·12	·41	39·0	31·4	28·9	46·1	1·9	1·5	·200	·142	85	80	SW 2	NW 1	10	2	·010	✎ ● in past *n.*
14	·65	·71	29·4	38·6	27·4	41·0	0·3	1·7	·153	·200	95	86	NW 1	NW 1	8	10	·005	═
15	·81	·77	39·0	45·8	36·0	50·0	0·9	0·9	·219	·287	93	94	E 1	WSW 3	5	8	—	Bright day.
16	·78	·80	48·8	49·7	42·0	51·9	1·7	1·3	·302	·323	88	91	WNW 2	W 1	9	9	—	Cloudy and mild.
17	·77	·73	52·1	51·1	49·0	54·1	1·9	1·9	·339	·327	86	86	SW 2	WSW 2	10	6	—	Mild and damp.
18	·51	·73	49·8	34·9	34·0	52·1	2·0	1·0	·307	·183	87	91	SW 4	NW 1	10	0	·010	✎ ●
19	·67	·28	41·0	42·8	30·8	44·1	2·1	1·7	·214	·238	83	87	SW 2	SW 3	10	10	·240	
20	·03	29·13	34·9	37·1	34·0	45·9	0·2	2·2	·198	·180	98	81	W 1	W 3	10	2	·250	✳ ● (sleet) *a.* Bright *p.*
21	29·08	28·94	42·8	43·8	36·8	44·4	0·9	0·9	·255	·265	93	93	WSW 4	SE 4	10	10	·275	Stormy, with ● showers.
22	28·92	29·05	47·9	44·8	43·0	51·1	1·2	0·3	·304	·289	92	98	SW 1	W 2	10	8	·100	●² in past *n.* ● showers.
23	29·37	·27	43·3	45·8	39·0	47·6	0·9	1·4	·260	·274	93	90	SW 2	SE 2	9	6	·340	Cloudy and mild.
24	·06	·64	42·8	37·8	37·0	51·1	1·7	0·9	·238	·208	87	93	WNW 5	NW 2	6	0	·010	●² early *a.*
25	·88	·90	35·4	43·8	32·8	50·6	0·5	1·9	·196	·243	96	85	SE 1	SE 2	0	9	—	═. Bright and sharp.
26	·91	·95	44·7	41·3	40·6	46·3	3·6	1·4	·219	·230	74	89	SW 3	SW 1	10	10	—	Cool wind.
27	·92	·74	37·8	28·9	28·0	41·9	1·1	2·0	·205	·105	91	67	ESE 1	E 2	10	10	—	Dull day.
28	·69	·64	29·7	23·9	21·3	30·4	2·6	1·0	·100	·094	62	74	SE 1	SE 2	10	0	—	Dull day.
29	·63	·76	31·5	32·4	20·3	33·2	1·0	0·5	·153	·172	86	95	E 2	SE 1	10	10	—	═. Very sharp.
30	·79	·73	34·1	32·9	30·2	39·8	0·4	1·0	·188	·166	96	89	SE 2	SSW 2	8	4	—	Milder. Bright at times.
31	29·63	29·64	33·3	38·3	26·0	43·1	1·4	2·6	·161	·182	85	79	ENE 2	NE 2	5	10	—	═
Mean	29·548	29·557	37·6	37·6	31·9	43·6	1·2	1·3	·204	·204	88·2	87·2	1·9	1·8	7·9	6·5	1·860	

CARMARTHEN.—DECEMBER 1889.

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

1	30·12	30·19	39·9	34·9	34·4	44·3	2·2	2·3	·202	·159	83	78	SE 1	Calm 0	10	3	—	
2	·18	·14	35·7	33·5	32·3	42·5	1·0	1·7	·189	·156	91	82	NE 1	E 1	9	4	—	
3	·16	·18	35·9	28·5	28·0	39·1	2·3	0·8	·168	·133	80	86	Calm 0	E 2	8	0	—	Fine day.
4	·20	·30	28·5	29·9	26·1	41·3	0·8	1·1	·133	·137	86	82	Calm 0	NE 1	7	1	—	Fine day.
5	·40	·47	31·9	35·9	25·6	44·5	1·3	1·7	·151	·179	83	85	Calm 0	E 2	0	9	—	═² 9*a.*
6	30·42	·12	35·6	39·5	33·5	39·9	0·8	2·0	·193	·203	93	84	Calm 0	SW 2	10	10	·610	Dull all day.
7	29·89	30·06	44·9	32·6	31·1	47·2	2·4	1·8	·244	·147	83	80	NE 1	N 1	1	2	—	▲ in past *n.* Fine day.
8	30·09	29·84	32·1	46·5	28·5	47·2	1·0	0·0	·158	·317	87	100	Calm 0	SW 1	10	10	·330	Overcast, with ● from noon.
9	29·72	·48	48·8	49·9	43·2	51·7	0·6	0·9	·330	·335	95	94	W 1	W 1	10	10	·010	Overcast all day.
10	·18	·15	46·4	32·4	31·9	51·0	2·9	0·8	·249	·166	80	91	W 1	Calm 0	10	1	·150	Fine day. ◠ 2*p.*
11	·33	·66	41·1	32·1	31·4	43·7	1·8	1·5	·220	·148	85	81	NW 1	Calm 0	6	0	—	▲ in past *n.* Fine day.
12	·80	·52	27·9	46·8	25·5	47·1	1·1	2·3	·119	·267	79	84	E 1	SW 5	10	10	·530	Dull day.
13	29·52	29·78	42·1	34·3	33·0	50·1	1·8	0·1	·229	·196	86	99	W 1	Calm 0	3	0	·040	Squally in past *n.* Frequent ● [showers.
14	30·05	30·10	31·5	36·2	25·7	42·7	0·5	0·6	·165	·201	94	94	Calm 0	Calm 0	1	10	·100	═². Fine day.
15	·24	·15	43·4	47·3	34·4	48·4	0·1	0·0	·279	·327	99	100	Calm 0	SW 1	10	10	·080	●⁰ all day.
16	·21	·23	48·2	48·2	45·0	51·6	0·0	0·0	·338	·338	100	100	Calm 0	SW 1	10	10	·060	≋ all day.
17	30·23	·16	49·4	49·1	47·8	50·4	0·0	0·0	·353	·349	100	100	SW 1	SW 2	10	10	·150	≋ *n.* Overcast, with ● all day.
18	29·93	30·14	49·3	35·9	35·4	50·4	0·3	0·8	·344	·195	98	93	SW 4	Calm 0	10	0	·240	● till 3*p.*
19	30·05	29·66	43·7	44·8	30·7	46·8	1·6	0·3	·249	·290	87	98	SW 2	SW 4	10	10	·490	Fair *a.* Overcast, with ● *p.*
20	29·47	·58	39·9	37·1	35·0	46·5	0·4	1·2	·238	·197	97	89	W 3	Calm 0	10	0	·070	● showers.
21	·56	·32	45·6	49·9	36·3	50·4	1·5	0·1	·271	·357	89	99	SW 1	SW 1	10	10	·420	Overcast, with ● all day.
22	·35	·45	48·8	47·6	45·0	52·2	0·6	1·3	·330	·298	95	91	SW 1	W 1	10	8	·100	Dull, with frequent ● showers.
23	·78	29·63	42·9	48·8	40·7	49·0	0·2	0·4	·272	·335	99	97	Calm 0	SW 1	7	10	·540	≋ 9*a.* Frequent ● showers.
24	29·59	30·09	44·6	40·6	38·1	51·7	1·1	1·7	·269	·218	92	86	W 1	Calm 0	10	0	·060	Frequent ● showers.
25	30·29	·28	35·9	45·8	33·1	49·9	0·3	3·0	·205	·241	97	79	N 1	NW 1	5	9	—	Fair and mild.
26	·34	·32	46·8	44·8	42·2	49·8	3·1	2·8	·249	·236	78	79	SW 1	Calm 0	9	10	—	Dull day.
27	·27	·07	40·7	30·5	29·5	45·5	2·9	1·7	·197	·128	78	75	SE 1	Calm 0	10	0	—	Fine day.
28	·09	·02	29·2	31·3	25·5	38·5	1·0	2·0	·133	·130	83	74	Calm 0	E 1	3	5	—	Fine day.
29	·04	·14	32·5	36·4	27·8	43·3	0·9	1·2	·195	·191	90	90	E 1	Calm 0	7	10	·010	Fine day.
30	·19	30·13	36·9	35·9	34·2	44·5	0·6	0·5	·207	·201	95	96	Calm 0	SW 1	10	9	—	
31	30·02	29·99	42·9	42·9	35·6	46·1	2·4	2·4	·225	·225	82	82	SW 3	S 2	8	10	·020	
Mean	29·958	29·946	40·1	39·7	33·7	46·8	1·2	1·2	·228	·226	89·2	88·6	0·9	1·0	7·9	6·2	4·010	

MARGATE.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·31	30·42	36·0	33·3	30·9	38·8	3·0	1·4	·156	·160	74	85	E 1	Calm 0	6	7	—	╰─ a. Bright and sunny.
2	·43	·41	31·5	31·8	29·0	34·8	0·9	0·8	·156	·161	88	90	Calm 0	SE 2	7	10	—	╰─ a. Cold day.
3	·40	·39	30·3	31·2	28·7	32·8	1·1	1·0	·140	·150	83	86	E 2	E 1	7	4	—	╰─ a. and p. Bright and cold.
4	·39	·44	33·8	37·0	31·0	38·0	2·7	3·0	·142	·165	73	75	E 1	E 2	9	8	—	╰─ a. Sunny, but cool.
5	·48	·52	36·0	41·0	36·0	41·5	1·0	3·4	·192	·190	91	74	E 2	E 3	10	10	·010	Sunny.
6	·50	·33	35·8	34·8	34·6	41·9	2·7	1·8	·160	·168	76	82	E 3	Calm 0	10	10	—	Dull and cold.
7	·05	·06	33·8	34·1	32·6	35·8	1·8	0·1	·158	·194	81	99	SE 1	SE 1	10	10	·210	╰─ a. ✳ p.
8	30·18	30·13	36·2	32·6	30·0	36·6	0·4	0·4	·205	·176	96	95	SE 1	E 1	10	10	·160	≋ 9a. ≋² 4p. Fine evening. [9p. ╰─⁰
9	29·81	29·56	43·0	48·5	32·0	48·6	0·7	0·5	·262	·329	94	97	SW 4	SW 4	10	10	·030	Dull and milder, with ╱.
10	·36	·21	46·5	40·5	40·1	48·8	2·5	1·0	·258	·231	83	92	W 4	W 2	10	9	—	╱ a. Dull day.
11	·32	29·67	34·0	36·8	33·0	41·8	0·8	2·0	·179	·181	91	83	SW 2	W 2	0	0	—	╰─ a. Bright and cold.
12	·95	30·00	29·4	36·6	28·8	40·6	0·8	2·3	·140	·174	87	80	W 1	W 3	0	0	·010	╰─ a. Fine day.
13	29·82	29·84	37·1	39·1	36·0	40·0	0·3	0·1	·215	·237	97	99	S 4	W 2	10	10	·030	Dull day. ╱ ●
14	30·08	30·23	38·6	36·8	36·7	40·0	0·6	0·0	·222	·218	95	100	Calm 0	Calm 0	10	2	—	Dull day.
15	·35	·37	36·0	41·0	35·7	45·0	0·0	0·3	·212	·250	100	98	Calm 0	Calm 0	10	10	·010	╰─⁰ a. Dull day.
16	·35	·40	45·1	44·9	38·0	46·4	0·0	0·1	·301	·296	100	99	SW 2	SW 1	10	10	—	
17	·40	·35	49·4	49·8	44·2	50·0	0·3	0·1	·345	·356	98	99	SSW 3	SW 3	10	10	—	Dull and damp.
18	·24	·17	48·6	46·1	44·0	51·0	0·1	0·7	·340	·295	99	95	SW 4	SW 3	10	10	—	
19	30·29	30·02	37·1	43·7	36·2	46·7	0·3	2·7	·215	·227	97	79	SW 1	SSW 1	8	10	—	
20	29·71	29·75	43·7	36·5	36·0	45·8	1·7	1·2	·247	·193	86	90	SSW 5	S 3	10	0	·010	╱
21	·76	·64	38·6	46·6	36·0	46·8	1·6	0·6	·302	·303	87	96	SW 3	W 2	10	10	·290	Dull day.
22	·46	·47	51·1	47·0	39·0	53·3	0·4	0·0	·365	·323	97	100	W 3	W 1	10	10	·290	Very wet.
23	·86	29·95	46·0	43·9	42·7	50·0	0·7	0·1	·294	·285	95	99	W 3	S 3	8	10	—	Dull day.
24	29·70	30·02	47·0	41·9	41·6	51·8	0·3	2·4	·316	·216	98	83	S 5	S 5	10	0	·030	
25	30·35	·44	39·6	35·0	35·0	44·6	1·5	0·2	·212	·199	88	98	WNW 3	Calm 0	0	0	·010	Very fine and bright. ╰─ p.
26	·48	·46	36·6	41·1	32·6	43·7	0·0	1·2	·217	·231	100	90	W 1	S 1	10	0	—	≋²
27	·42	·24	38·2	33·1	32·3	41·8	1·4	2·3	·203	·142	88	75	E 2	E 4	10	10	—	Very dull and cold.
28	·18	·19	31·6	34·6	30·0	34·7	1·0	2·4	·154	·156	87	77	Calm 0	E 1	10	10	—	╰─ a. Very dull and cold.
29	·18	·26	27·8	29·8	26·0	34·7	0·8	0·8	·127	·144	84	86	Calm 0	Calm 0	3	9	·010	╰─ a. and p. Sunny day.
30	·30	·32	33·0	37·0	29·0	37·0	1·0	1·0	·167	·200	89	91	Calm 0	Calm 0	10	8	—	╰─ a. Dull day. ✳ (Ground
31	30·28	30·26	36·6	33·0	30·0	39·3	1·6	0·9	·186	·169	86	90	E 1	S 2	10	10	—	╰─ a. Sunny afternoon. [covered.
Mean	30·109	30·114	38·3	38·7	34·4	42·7	1·0	1·1	·216	·217	89·9	89·7	2·0	1·7	8·3	7·3	1·100	

SOUTHAMPTON.—DECEMBER 1889.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.
Long. 1° 24′ W. Lat. 50° 55′ N. Gravity Correction, + ·016.

1	30·29	30·37	32·1	31·6	30·9	49·9	0·5	1·2	·171	·150	93	84	ENE 1	ENE 1	6	1	—	Beautiful day. ╰─ p.
2	·39	·36	34·9	33·3	30·3	41·3	1·7	1·2	·169	·166	83	87	E 1	E 1	7	5	—	╰─ a. and p. Beautiful day.
3	·36	·34	29·8	29·8	27·5	35·3	0·6	0·0	·149	·152	90	100	NE 1·5	NE 2	10	0	—	╰─ a. and p. Beautiful day, but cold.
4	·38	·40	28·5	30·6	24·9	36·1	0·0	1·1	·157	·143	100	84	NE 2	NE 2	6	10	—	╰─ a. and p. Fine, but cold. ≋⁸ p.
5	·50	·58	33·2	35·3	29·6	36·9	1·4	0·5	·161	·197	84	96	N 0·5	NNE 1	10	10	·008	✳⁰ ● ⁰ (sleet) 1p. ≋⁰ 9p.
6	·52	·35	35·9	35·0	33·9	38·7	1·0	1·5	·194	·174	92	85	NE 1	SE 1	10	10	·193	Dull and damp. ⌓ n.
7	·03	·09	34·1	37·7	32·8	38·7	0·3	1·2	·191	·203	97	90	NE 0·5	NW 1	10	10	·111	✳ 5a.—9a., then ● till 3p.
8	30·25	30·14	30·7	39·5	30·0	40·6	0·7	0·8	·154	·226	90	94	NW 1	S 1	10	10	·152	╰─ a. Fine day. ≋ p. ● from 8p.
9	29·89	29·66	47·4	50·1	39·5	51·0	0·4	0·9	·317	·338	97	93	SW 1	WSW 2	10	10	·040	Fine and mild. ● from 10p.
10	·41	·26	46·7	37·1	36·9	51·1	1·6	0·3	·281	·215	89	97	SW 1·5	SW 1	10	1	·005	╰─ 9p.
11	·39	·74	34·2	32·7	31·3	44·3	0·4	0·7	·190	·172	96	92	W 1	WNW 1·5	2	0	—	╰─ a. and p. Beautiful day.
12	·99	·92	25·4	43·7	25·0	44·5	0·0	2·5	·137	·231	100	81	SE 1	SW 3·5	0	10	·104	╰─ a. ≋ 9a. Beautiful day. [≋
13	29·73	29·87	46·9	34·5	34·3	48·1	0·6	0·5	·307	·190	96	95	SW 1	Calm 0	10	0	·027	╱ ● ²n. and early a. Beautiful day.
14	30·13	30·29	33·3	32·6	31·0	36·9	0·2	0·3	·186	·180	98	97	NW 1	N 2	10	10	—	╰─ ≋ a. Dull, raw, and damp.
15	·37	·38	33·2	41·6	31·4	42·8	0·4	0·4	·181	·254	95	97	SW 0·5	SE 1	0	10	·029	Damp, with ≋. [≋² p.
16	·38	·42	46·5	49·0	41·3	50·4	0·3	0·5	·309	·335	97	97	W 1	Calm 0	10	10	·026	≋ a. ● 9p.
17	·43	·38	50·9	49·2	48·1	52·6	0·2	0·3	·356	·342	99	98	SW 0·5	SW 1·5	10	10	·029	Damp, with ≋ a. Day mild.
18	·24	30·18	49·2	47·7	47·4	50·7	0·4	0·3	·340	·324	98	98	SW 2	SW 1	10	10	·063	● ⁰ most of day.
19	30·29	29·99	33·1	45·7	32·1	49·0	0·2	2·9	·185	·243	98	80	Calm 0	SW 2·5	10	10	·065	Remarkably ≋² ╰─ a., then fine.
20	29·61	·77	45·8	37·6	36·5	48·6	0·9	1·0	·289	·206	94	91	SSW 6	SW 1·5	10	0	·194	╱ ● till noon. ╰─ 9p.
21	·77	·66	44·5	48·8	34·8	49·4	1·3	0·7	·264	·327	90	95	SW 2	SW 2	10	10	·193	● p.
22	·54	·58	51·6	47·6	47·4	52·9	0·7	0·5	·363	·317	95	97	W 0·5	WSW 1·5	9	10	·394	● ⁰ p.
23	·95	29·95	43·6	47·6	42·3	52·2	0·5	0·8	·272	·310	96	95	WSW 0·5	SW 2	8	10	·390	Fine and mild.
24	29·63	30·16	51·8	40·0	39·3	52·5	0·3	1·8	·378	·211	98	86	SW 4	WNW 2·5	10	0	·022	● till 10a. ⌓ n.
25	30·42	·48	37·0	35·7	35·1	48·2	0·4	0·6	·212	·198	96	95	NW 0·5	Calm 0	0	0	·005	╰─ a. Beautiful day. ≋ p.
26	·52	·49	35·6	40·2	31·2	43·4	0·4	1·2	·201	·224	97	90	NW 1	E 0·5	10	10	—	≋ a. Day dull.
27	·42	·24	38·7	33·3	32·4	41·7	1·0	1·6	·216	·158	92	83	E 1	NE 2·5	5	10	—	Beautiful day. Dull and cold evening.
28	·19	·20	32·2	29·7	29·3	34·8	1·6	0·7	·147	·146	80	89	NE 2	NE 1	10	1	—	╰─ at night.
29	·20	·28	33·3	32·8	29·3	37·2	1·2	0·6	·166	·175	87	93	Calm 0	WNW 1	10	8	—	≋ a. and p. Dull and cold. ╰─ n.
30	·32	·32	34·6	33·4	32·0	37·7	0·5	0·3	·191	·185	95	97	NW 0·5	NE 1	9	10	—	≋⁰ a. and p. Dull and cold. ⌓ n.
31	30·27	30·24	30·8	38·1	30·4	41·4	0·1	2·0	·170	·191	99	83	Calm 0	SE 1	10	10	—	≋² a.
Mean	30·122	30·132	38·2	38·7	34·1	44·2	0·6	0·9	·226	·222	93·9	91·6	1·2	1·4	8·1	7·0	2·050	

BABBACOMBE.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht. 9 a.m.	Barometer at 32° Faht. 9 p.m.	Air Temperature. 9 a.m.	Air Temperature. 9 p.m.	Air Temperature. Min.	Air Temperature. Max.	Humidity. Dep. of Wet. 9 a.m.	Humidity. Dep. of Wet. 9 p.m.	Humidity. Vapour Tension. 9 a.m.	Humidity. Vapour Tension. 9 p.m.	Humidity. Per-centage. 9 a.m.	Humidity. Per-centage. 9 p.m.	Wind, Direction and Force. 9 a.m.	Wind, Direction and Force. 9 p.m.	Cloud Amount. 9 a.m.	Cloud Amount. 9 p.m.	Rain. 9 a.m.	Remarks.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·99	30·07	42·0	39·8	38·2	49·3	2·4	3·1	·217	·186	82	76	ESE 3	SE 2	10	8	—	Dull and gloomy a.
2	30·07	·03	38·9	39·6	37·2	41·2	3·5	4·0	·172	·170	73	70	SE 2	SE 3	3	2	—	╥ 11p.—midt.
3	·01	·01	41·4	38·8	38·4	42·7	3·4	1·0	·193	·216	75	92	ESE 4	E 5	7	9	—	⊕⁰ 9a.—10a. ≋⁰ (mist) 9p.—midt.
4	·06	·10	38·6	36·4	36·4	39·5	0·9	1·6	·216	·184	93	85	ENE 4	E 4	10	10	—	Dull and gloomy, with ≋⁰ (mist).
5	·21	·30	37·8	39·0	34·6	39·7	2·0	2·0	·188	·199	83	84	ENE 3	ENE 5	9	10	—	≋⁰ (mist) a. Dull day.
6	30·28	30·11	38·0	35·4	36·2	40·2	2·1	2·4	·188	·170	82	79	NE 3	NW 1	10	10	·280	≋⁰ (mist) a. and p. Dull day.
7	29·72	29·91	43·6	37·9	35·1	47·5	0·3	3·1	·276	·171	97	75	WSW 3	NNE 3	10	2	—	≋² (mist) till 9a. Fine p.
8	30·02	·87	38·0	42·6	31·6	44·8	2·2	0·5	·186	·262	81	96	WNW 1	SW 3	9	10	·110	╰─ n. ≋⁰ (mist) all day.
9	29·70	·46	47·8	50·9	42·2	51·1	1·0	1·0	·307	·346	93	93	WSW 3	WSW 3	10	10	—	≋⁰ (mist) till 9a. Dull day.
10	·19	·04	47·3	38·8	38·2	51·2	1·4	1·1	·292	·214	90	91	WSW 4	WNW 1	10	9	·070	Dull till 2p. ⌇⁰ 8p. ⌓⁰ (mist)
11	·21	·55	36·9	35·5	33·5	47·3	0·8	1·4	·204	·181	93	88	W 3	NNW 2	8	0	—	✳⁰ n. ⌓ ╰─ ≋ p. [p.
12	·73	·59	35·1	40·0	30·7	48·9	1·6	2·0	·173	·264	84	86	WSW 2	SSW 6	2	10	·370	≺ 7p. Squally ╱ (gale) late p.
13	·49	29·05	41·1	38·0	37·2	51·3	1·0	0·7	·236	·214	92	94	W 2	NNW 3	2	0	·010	╱ (gale) till 1a. ╥ 5a. ⌓ ╰─ p.
14	29·90	30·02	38·4	38·2	32·7	48·0	1·4	0·6	·204	·218	88	95	N 2	WSW 1	2	10	—	╰─² c. ≋² (mist) a. and p. ⌓² p.
15	30·13	·11	42·7	47·3	36·3	48·2	1·0	0·0	·252	·327	92	100	WSW 2	SSW 2	1	9	·020	⌓² n. and p. ≋ a. and p. [and p.
16	·13	·17	47·8	49·7	44·4	55·1	0·1	0·0	·330	·357	99	100	WSW 2	SW 2	2	9	·010	⌓² n. and p. ≋ or ≋⁰ (mist) a.
17	30·17	·14	50·7	48·2	48·2	51·8	0·0	0·2	·370	·333	100	99	SW 2	SW 3	10	10	·040	≋⁰ n. and a. Dull day. ⌓² n.
18	29·95	30·02	43·4	42·2	42·2	50·9	0·2	1·2	·335	·242	98	90	SW 5	NNW 1	10	1	·050	≋⁰ n. Dull till 4p. ⌓ p.
19	30·03	29·70	37·1	45·6	34·4	48·7	0·8	2·2	·205	·256	93	84	W 1	SW 4	1	10	·160	╰─² ≋⁰ (mist) a. Dull p.
20	29·38	·55	39·7	39·8	37·4	47·4	0·8	1·6	·228	·213	93	88	NW 2	WSW 4	10	7	·030	● showers. ⊕⁰
21	·55	·36	45·3	49·8	37·4	49·8	1·4	0·1	·270	·356	89	99	WSW 4	WSW 5	4	10	·250	● showers.
22	·32	·41	49·0	45·6	45·3	52·5	0·2	1·6	·343	·269	99	88	WSW 4	WNW 3	9	1	·180	╱ (gale) 4a.—5a. Scotch ≋ noon.
23	·73	·64	41·5	48·9	42·2	49·7	0·5	0·0	·281	·346	96	100	SW 2	SSW 4	9	10	·410	⊕ 11a. ≋⁰ (mist) till 1p. Scotch
24	29·47	29·97	45·8	41·0	39·2	52·0	1·5	2·9	·273	·199	89	78	NW 4	W 2	7	0	·020	● showers a. ⊕ 2p. ⌓ p. [≋⁰ p.
25	30·20	30·22	39·8	39·0	38·1	54·2	0·9	0·5	·226	·227	93	96	WSW 1	W 1	2	1	—	╰─ ≋⁰ (mist) a. and p. Fine day.
26	·26	30·22	40·7	44·8	35·5	45·8	0·7	3·1	·238	·230	94	78	Calm 0	ESE 2	10	9	—	Dull with ≋⁰ (mist). [⌓² p.
27	30·13	29·97	41·8	36·8	36·5	44·9	2·1	3·0	·221	·163	85	75	E 4	E 4	10	10	—	Dull, with ≋⁰ (mist).
28	29·92	29·95	32·6	31·0	29·1	37·4	2·1	1·3	·141	·142	76	81	NNE 3	NW 1	10	10	—	✳⁰ 9a. ≋⁰ (mist) p.
29	29·91	30·02	37·1	37·6	26·4	39·8	0·9	2·0	·203	·187	92	83	SSE 1	SSE 2	10	3	—	Great gloom, with ≋² (mist) a.
30	30·09	30·07	33·6	31·5	31·5	47·9	0·8	0·6	·176	·162	91	92	NW 1	WNW 1	8	0	—	≋⁰ (mist) a. and p. ⌓² ╰─² p.
31	29·97	29·94	35·9	39·9	29·0	41·1	0·9	1·9	·193	·208	92	85	S 1	S 3	9	10	·010	╰─² a. ≋⁰ (mist) ● showers.
Mean	29·867	29·877	41·2	41·2	36·6	47·0	1·3	1·5	·237	·233	89·6	87·8	2·5	2·8	7·2	6·8	2·340	

LONDONDERRY.—DECEMBER 1889.

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

1	30·02	30·09	48·7	48·2	46·0	49·9	2·8	2·5	·277	·276	80	83	SW 4	SW 3	10	10	—	
2	·09	·13	45·2	44·9	42·0	48·5	2·3	3·2	·249	·228	83	77	SW 4	SW 3	10	8	—	
3	·20	·26	42·2	39·7	38·5	45·1	3·3	3·0	·203	·187	76	76	SW 2	SW 3	10	10	—	
4	·32	·43	34·7	36·4	31·5	40·3	1·8	2·5	·166	·169	82	78	E 2	SE 2	3	0	—	Fine day.
5	·51	·56	32·4	36·0	30·0	39·9	0·9	2·3	·165	·170	90	80	SE 2	S 3	0	5	—	Fine and clear.
6	·38	·05	38·6	45·0	34·0	45·0	1·9	0·5	·198	·287	85	96	SW 2	SW 1	10	10	·420	● from 4p.
7	30·16	30·17	38·2	37·2	36·5	47·7	2·0	0·7	·192	·208	84	94	SW 2	SW 3	9	4	·140	
8	29·97	29·83	42·6	49·8	36·0	51·4	1·1	1·0	·249	·332	91	93	SW 3	SW 3	10	10	·350	Constant ● ² till 6p.
9	·59	·38	50·7	43·7	42·5	51·5	0·5	1·5	·357	·251	96	88	SW 2	W 3	10	5	·240	● showers during day.
10	·12	·17	39·7	37·7	35·6	44·0	1·0	1·0	·224	·206	92	91	SW 2	NW 2	10	10	·180	● showers.
11	·50	·74	35·7	34·1	33·2	38·2	1·0	0·5	·191	·187	91	95	SW 2	NW 2	2	0	·020	Fine day. ● ⁰ in evening.
12	·69	·24	36·7	42·7	32·0	49·0	1·7	2·0	·185	·231	85	84	SW 2	SW 4	10	10	·250	Stormy.
13	29·50	29·89	38·7	35·7	35·0	43·7	1·0	0·5	·215	·200	92	96	SW 2	SW 2	4	0	—	Fine day.
14	30·03	30·05	36·2	43·6	33·0	46·0	0·8	0·9	·199	·263	93	93	SW 2	SW 2	10	0	·030	Fine day. ● at night.
15	·24	·02	38·2	46·4	36·5	46·8	0·5	1·6	·220	·278	96	89	SW 2	W 3	10	10	·060	
16	·21	30·06	43·7	48·6	41·5	48·9	0·8	1·9	·267	·295	93	88	SW 2	SW 3	10	10	·040	● ⁰ in evening.
17	30·06	29·94	51·4	52·7	47·0	53·0	1·7	1·0	·336	·370	88	93	SW 4	SW 2	10	10	·050	● 8p.—11p.
18	29·66	30·03	46·7	39·7	37·0	53·5	1·5	2·0	·284	·205	89	84	SW 5	SW 2	10	0	·230	Fine day.
19	·78	29·50	43·7	37·7	36·9	46·0	0·8	1·0	·267	·206	93	91	SW 2	SW 2	10	2	·480	● ² showers during day.
20	·46	·44	36·4	37·5	34·0	38·3	1·6	1·8	·185	·190	87	85	SW 2	SW 3	9	0	·200	✳ showers.
21	·51	·28	36·7	41·7	35·0	42·0	1·0	1·7	·198	·228	91	87	SE 2	SW 2	10	10	·060	
22	·26	·55	45·2	44·0	40·2	47·5	0·6	0·8	·287	·270	96	94	SW 2	SW 3	10	1	·060	● showers.
23	·69	29·39	44·3	52·2	41·0	52·2	1·2	2·0	·263	·337	92	86	SW 2	SW 2	10	10	·580	● at night.
24	29·57	30·01	40·9	39·2	36·0	52·6	1·5	1·5	·224	·210	88	88	SW 3	SW 2	3	0	·090	● showers.
25	30·15	·13	44·7	48·0	36·0	48·5	2·1	3·1	·249	·261	84	78	SW 3	SW 4	10	10	—	
26	·24	·30	47·5	47·7	45·0	49·0	1·8	3·0	·285	·260	88	79	SW 2	SW 2	10	10	—	
27	·24	30·24	45·4	41·4	37·0	48·0	3·1	3·5	·236	·193	78	74	SSE 3	SW 2	10	2	—	Fine day.
28	·11	29·95	37·2	39·7	36·0	41·7	2·3	1·0	·178	·224	80	92	SE 3	SW 2	10	10	·200	● at night.
29	·06	30·19	39·6	43·7	37·5	44·5	0·9	1·2	·225	·258	93	90	NE 2	SW 2	10	10	—	
30	30·16	29·95	44·7	46·8	42·0	47·3	1·1	1·1	·270	·204	91	92	SE 2	SW 3	10	10	·050	● in afternoon. ≋ 9p.
31	29·76	30·01	48·9	38·7	37·8	49·9	1·7	1·2	·304	·212	88	90	SW 3	SW 2	10	1	·140	
Mean	29·910	29·902	41·8	42·6	37·5	46·7	1·5	1·7	·237	·241	88·2	87·2	2·5	2·5	8·7	6·1	5·890	

ARMAGH.—DECEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29·97	30·00	48·2	46·8	46·0	49·7	2·5	2·2	·276	·268	83	84	S 2	SSE 4	10	10	·001	Overcast all day.
2	30·00	·05	44·0	43·5	42·3	47·3	2·2	2·9	·240	·221	83	78	SSE 3	SSE 3	10	10	—	Overcast all day.
3	·10	·12	41·8	36·2	35·5	44·2	2·5	1·4	·215	·187	81	88	SSE 3	S 0·5	10	0	—	
4	·20	·29	31·6	32·4	31·5	42·5	1·0	0·7	·155	·169	86	92	Calm 0	Calm 0	10	10	—	≋ early *a*.
5	·41	30·46	36·6	35·4	32·0	41·4	0·7	2·2	·203	·165	94	81	Calm 0	SSE 1	10	8	—	≋ till 10*a*.
6	·29	29·93	35·7	42·5	31·5	43·7	2·0	0·3	·173	·265	83	97	SSW 3	SSW 3	10	10	·425	
7	30·02	30·06	35·6	35·2	32·3	43·7	0·9	0·5	·193	·190	92	95	NW 1	SW 1	0	2	·055	⊔ 6*p*.
8	29·90	29·74	39·6	50·2	33·2	50·8	0·4	1·1	·235	·335	97	93	SSW 3	SW 2	10	10	·140	
9	29·51	·29	50·9	44·1	43·5	52·7	0·7	2·2	·355	·241	95	82	SW 3	WSW 2	10	9	·080	⊔ 10*p*.
10	28·99	·05	40·0	36·6	34·9	44·1	1·5	0·5	·217	·207	88	96	WSW 3	W 1	3	10	·075	
11	29·38	·62	32·2	32·3	29·8	41·2	0·3	0·4	·177	·175	97	96	W 0·5	SW 1	0	1	—	⌴ *a*.
12	·62	·16	33·2	43·0	30·0	43·4	1·2	1·0	·165	·255	87	92	S 2	SSW 4	8	10	·145	⌴ *a*.
13	·41	·77	36·9	35·1	34·1	46·3	0·9	0·5	·201	·195	92	95	SSW 2	SW 1	0	2	—	
14	29·94	·96	37·0	44·6	32·8	45·2	1·0	0·5	·200	·282	91	96	SSW 2	SSW 2	10	10	·030	
15	30·14	29·98	40·8	41·1	36·0	45·7	1·0	1·0	·234	·236	92	92	SSW 2	S 3	2	10	—	
16	30·09	30·00	43·8	46·2	40·4	49·5	0·2	1·1	·281	·287	99	93	SW 1	S 3	10	10	·002	
17	29·98	29·85	51·9	51·9	45·8	53·5	0·7	0·3	·368	·378	95	98	SW 3	SSW 1	10	10	·048	Very dark morning.
18	·55	·99	48·7	38·0	36·3	53·5	0·8	1·8	·324	·194	94	85	SSW 5	W 3	10	0	·007	
19	·71	·39	43·8	38·5	36·5	53·3	1·8	0·7	·246	·219	86	94	SSW 4	SSW 4	10	10	·229	
20	·36	·39	35·2	35·1	32·8	39·8	1·5	0·6	·177	·193	86	94	SSW 2	SW 3	2	10	·305	⌴ *a*.
21	·41	·18	38·6	43·0	33·8	43·6	1·1	0·2	·213	·273	92	98	WSW 1	SE 1	3	10	·150	
22	·17	·43	46·0	43·1	43·0	48·5	0·5	0·4	·299	·269	97	97	SW 2	SW 1	10	2	—	
23	·61	·33	44·3	51·0	39·7	51·7	1·0	0·5	·268	·361	92	97	SSW 1	S 4	10	10	·212	
24	29·48	29·92	41·8	37·1	36·1	51·9	2·0	0·9	·225	·203	85	92	W 2	SW 1	2	5	—	
25	30·08	30·05	43·0	47·0	35·0	47·9	2·0	3·2	·234	·249	84	78	S 3	S 4	6	10	—	
26	·17	·20	47·0	45·6	45·3	49·3	2·2	2·1	·271	·259	85	85	S 3	S 2	10	10	—	Overcast all day.
27	·18	30·09	45·0	41·6	40·7	46·5	2·4	2·9	·245	·206	82	79	SSE 3	SSE 3	10	10	—	Overcast all day.
28	30·00	29·83	35·0	38·8	34·2	42·8	1·0	0·3	·184	·230	90	98	SE 1	S 3	10	10	·192	Overcast all day.
29	29·93	30·08	43·5	42·7	38·1	44·7	1·0	1·0	·260	·252	92	92	SSE 1	S 1	10	10	—	Overcast all day.
30	30·06	29·89	44·0	45·0	41·9	46·4	1·1	1·0	·263	·275	91	92	S 2	S 3	10	10	—	Overcast all day.
31	29·70	29·90	46·7	38·0	37·7	48·5	0·4	0·5	·310	·218	97	96	S 4	WSW 1	10	9	·170	⊔ 9*p*.
Mean	29·817	29·805	41·4	41·3	36·9	46·9	1·2	1·1	·239	·241	89·9	91·1	2·2	2·1	7·6	8·0	2·266	

MARKREE CASTLE, SLIGO.—DECEMBER 1889.

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

1	29·94	29·99	47·9	47·3	46·5	49·4	1·8	2·0	·289	·278	88	86	SSE 3	SSE 4	10	10	—	Overcast all day.
2	29·97	30·03	46·1	43·4	42·9	48·1	1·7	1·7	·273	·245	88	87	SSE 4	SSE 3	10	10	—	Overcast all day.
3	30·09	·11	42·1	37·0	36·3	43·4	2·7	1·9	·213	·184	80	84	SSE 3	SE 2	10	5	—	≋ 9*p*.
4	·20	·31	34·4	32·5	32·0	40·0	1·3	2·0	·173	·143	86	77	SE 2	S 1	8	6	—	⌴ ≋ *a*.
5	·45	·51	35·3	31·9	30·2	39·8	1·4	0·7	·180	·164	87	91	Calm 0	SE 0·5	9	9	—	≋0 (mist) 9*p*.
6	·34	·01	38·2	46·3	30·3	46·6	1·5	1·0	·201	·290	88	93	SSE 1	NNW 1	10	10	·440	Overcast all day.
7	30·13	30·13	38·9	36·9	35·5	46·3	1·5	0·6	·208	·207	89	95	Calm 0	SSW 0·5	4	10	·230	
8	29·92	29·86	43·2	50·1	36·1	52·0	0·1	0·8	·277	·341	99	94	S 1	WNW 1	10	10	·460	Overcast all day.
9	·61	·39	52·5	44·9	43·9	52·7	1·4	2·3	·357	·247	90	84	W 3	WSW 2	10	10	·110	
10	·12	·15	39·9	38·3	36·0	44·9	1·5	1·1	·216	·209	88	91	Calm 0	NW 3	10	10	·180	▲ ● showers.
11	·49	·70	33·0	31·1	30·0	43·6	0·5	0·2	·177	·169	94	97	Calm 0	Calm 0	2	9	·110	⌴
12	·61	·22	35·6	42·5	26·4	46·4	1·3	1·0	·185	·250	88	92	SSE 3	SW 3	10	10	·200	⌴. Boisterous in afternoon.
13	·47	29·85	34·0	31·5	30·7	44·7	0·3	0·1	·190	·175	97	99	SSW 0·5	Calm 0	7	5	—	⌴
14	29·98	30·03	34·0	42·4	25·7	45·1	0·5	0·0	·186	·271	95	100	SSE 1	S 0·5	10	8	·060	⌴
15	30·19	29·99	32·0	45·3	30·3	45·5	0·0	0·4	·182	·294	100	97	Calm 0	S 4	10	10	·100	≋ *a*. ⌴
16	·15	30·04	40·0	47·2	39·1	50·2	0·4	1·1	·239	·298	97	93	SSE 0·5	S 3	10	10	·060	Overcast all day.
17	30·03	29·89	52·9	52·0	46·3	52·9	1·0	0·6	·372	·372	93	96	SW 1	S 4	10	10	·260	Overcast all day.
18	29·75	30·02	43·0	37·9	35·8	52·6	0·6	1·5	·264	·199	95	88	NNW 4	S 2	10	2	·430	
19	·73	29·45	46·3	37·3	36·5	46·3	0·9	0·4	·293	·215	94	97	S 3	SSE 0·5	10	10	·440	
20	·45	·49	34·1	36·6	30·1	39·0	0·7	1·2	·183	·194	92	90	SSW 0·5	SW 1	9	10	·140	Distant ⚡ 7*p*.
21	·48	·17	39·9	43·3	35·5	43·3	0·7	0·4	·231	·272	95	97	Calm 0	SE 3	10	10	·190	Overcast all day.
22	·23	·54	45·2	43·1	41·2	48·1	0·6	0·6	·287	·265	96	95	SSW 1	WSW 0·5	10	9	·110	
23	·62	29·32	44·0	51·3	40·5	51·3	0·7	0·4	·272	·367	94	97	SSE 2	S 4	9	10	·580	
24	29·57	30·00	39·5	36·1	35·3	52·1	2·1	0·7	·202	·200	83	94	W 1	SSW 1	5	2	·040	●² shower in past *n*.
25	30·09	·08	44·0	47·2	34·3	48·6	1·6	2·8	·252	·260	87	81	SSE 2	SSE 2	10	10	—	Overcast all day.
26	·18	·19	47·3	46·4	45·5	49·7	1·9	2·7	·280	·255	87	82	SSE 2	SSE 2	10	10	—	Overcast all day.
27	·16	30·09	45·2	40·1	39·1	46·4	2·8	2·0	·239	·208	80	84	SSE 3	SSE 4	10	10	·010	Overcast all day.
28	30·04	29·84	38·0	41·8	36·8	42·0	0·5	1·2	·218	·240	96	91	SE 2	SSE 2	10	10	·530	Overcast all day.
29	29·95	30·11	41·2	43·1	38·9	43·9	0·2	0·7	·255	·263	98	94	SE 0·5	SSE 1	10	10	·010	Overcast all day.
30	30·09	29·92	45·0	46·6	42·0	47·0	0·7	0·6	·282	·303	94	96	S 1	S 2	10	10	—	Overcast all day.
31	29·71	29·98	48·8	38·3	36·5	49·6	0·4	1·3	·335	·205	97	89	S 4	?W 0·5	10	6	·290	
Mean	29·861	29·852	41·3	41·6	36·3	46·8	1·1	1·1	·242	·245	91·5	91·3	1·6	1·9	9·1	8·7	4·980	

DUBLIN (PHŒNIX PARK).—DECEMBER 1889.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity. Dep. of Wet.		Humidity. Vapour Tension.		Humidity. Per-centage.		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.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30·02	30·10	48·5	45·8	45·5	49·8	2·8	2·2	·274	·259	81	84	SE 1	SSE 2	9	10	—	Dull and cloudy.
2	·09	·12	45·1	43·5	41·7	48·6	3·1	3·6	·232	·208	77	74	SSE 1	SSE 1	4	9	—	
3	·14	·16	41·6	36·8	36·3	43·8	2·4	2·2	·214	·178	82	81	SE 1	SE 2	8	0	—	
4	·23	·32	38·1	31·5	30·1	43·0	2·6	0·6	·181	·163	78	92	SE 1	Calm 0	6	9	—	Beautiful day from 10*a*.
5	·45	·53	37·2	37·0	31·1	39·5	1·1	2·2	·200	·179	90	81	Calm 0	Calm 0	10	10	—	Dull day throughout.
6	·41	·04	34·9	42·3	25·6	43·0	2·3	0·8	·158	·253	78	94	SE 1	SW 1	5	10	·330	Dull and cloudy. ●² from 8*p*.
7	·07	30·14	35·2	35·0	33·1	44·0	1·5	0·2	·177	·200	86	98	WNW 1	WNW 1	1	4	·040	Beautiful day.
8	30·02	29·85	41·6	50·4	32·1	51·1	1·0	0·6	·243	·352	93	96	SW 1	WSW 2	10	10	·195	Dull, with ● till 5*p*.
9	29·65	·43	50·8	46·0	45·1	52·9	1·1	2·6	·344	·252	92	82	WSW 2	WSW 2	10	9	·045	Dull day. ●⁰ *p*.
10	·12	·12	40·9	33·0	32·8	46·0	2·0	0·5	·215	·177	85	94	WSW 2	WSW 1	3	1	—	
11	·42	·69	31·0	33·0	29·7	40·2	0·8	0·1	·153	·186	87	99	W 1	W 1	1	1	—	Beautiful day.
12	·72	·32	34·3	44·8	27·9	48·6	1·3	1·5	·172	·262	86	88	Calm 0	SSW 4	4	10	·125	Cloudy *a*. Dull, with squally ⚡ [● 5 *p*.
13	29·49	29·85	36·8	35·0	34·1	44·0	1·3	0·2	·194	·200	90	98	Calm 0	W 1	1	0	—	
14	30·04	30·03	32·4	47·6	26·1	47·8	1·5	0·9	·151	·308	82	94	Calm 0	SW 1	8	10	·025	Cloudy day.
15	·22	·12	33·5	42·0	32·1	48·0	0·4	0·7	·184	·252	95	94	Calm 0	Calm 0	1	4	·005	Bright *a*. Cloudy *p*.
16	·16	30·15	49·2	47·2	41·3	51·0	0·8	1·7	·329	·285	95	89	Calm 0	Calm 0	10	4	·010	●⁰ *a*. Dull and cloudy.
17	30·08	29·95	52·1	53·4	43·1	55·8	1·3	1·4	·355	·368	91	92	SW 2	SW 2	8	5	·010	Dull and cloudy. ●⁰ showers *p*.
18	29·69	30·12	49·6	37·2	36·3	54·0	2·2	1·7	·301	·189	85	85	SW 4	Calm 0	8	2	·015	Dull, with squally ⚡ ●⁰ ⌒ *a*. Bright
19	·88	29·51	45·3	45·7	36·4	48·4	2·9	1·2	·239	·280	79	92	SSW 3	SW 3	8	10	·225	Cloudy, with squally ⚡. ●² *p*. [*p*.
20	·49	·51	34·4	34·9	33·7	45·7	1·1	1·0	·177	·183	88	91	W 1	WSW 1	2	2	·110	Beautiful day.
21	·51	·24	42·1	46·0	34·9	47·2	0·6	0·5	·255	·299	95	97	W 1	Calm 0	3	10	·255	Cloudy *a*. Dull, with ●⁰ *p*.
22	·27	·54	47·2	44·7	43·1	52·2	1·5	1·0	·289	·273	90	93	SW 1	Calm 0	8	2	·050	Dull, with ●⁰ showers.
23	·73	29·46	45·1	53·0	40·1	53·6	0·9	0·7	·279	·383	93	95	Calm 0	SSW 2	4	5	·210	Dull and cloudy.
24	29·55	30·03	43·0	37·7	36·6	54·8	1·3	0·8	·249	·211	90	93	W 1	WSW 1	1	1	—	Beautiful day.
25	30·20	·19	44·1	48·0	36·3	50·0	2·2	3·7	·241	·249	82	75	SW 2	SW 2	2	7	—	Bright *a*. Cloudy *p*.
26	·23	·27	48·4	47·3	45·1	57·0	3·7	3·6	·254	·244	75	75	SW 2	S 1	6	7	—	Cloudy *a*. Bright *p*.
27	·25	30·19	43·9	42·7	38·3	47·4	3·0	3·2	·223	·209	77	77	SW 1	Calm 0	3	8	—	Bright *a*. Cloudy *p*.
28	30·10	29·96	36·4	40·7	35·9	43·2	1·4	1·4	·189	·224	88	88	Calm 0	Calm 0	10	4	·230	Dull day. ●⁰ *p*.
29	29·98	30·16	43·1	41·7	40·1	45·2	1·6	1·0	·244	·243	87	93	Calm 0	Calm 0	8	4	—	Dull and cloudy.
30	30·21	30·00	44·0	46·0	40·9	48·1	2·0	2·1	·244	·263	84	85	Calm 0	SSW 3	9	6	·005	Dull and cloudy.
31	29·84	29·98	47·8	42·7	42·4	49·0	2·1	1·0	·281	·252	85	92	SSW 4	Calm 0	9	6	·005	Dull and cloudy, with squally ⚡.
Mean	29·912	29·905	41·9	42·3	36·4	48·2	1·7	1·4	·234	·245	86·0	89·0	1·1	1·2	5·8	5·8	1·890	

PARSONSTOWN (BIRR CASTLE).—DECEMBER 1889.

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

1	29·94	30·00	47·6	47·5	45·7	50·7	1·6	1·7	·290	·287	89	88	SE 1	SE 3	9	10	—	Dull, with ≋⁰ (mist).
2	30·00	·03	46·0	42·6	40·3	48·2	1·3	2·5	·280	·221	91	82	SE 2	SE 3	10	10	—	≋⁰ (mist) *a*. Raw, squally and damp.
3	·06	·07	42·6	39·8	37·8	44·8	2·6	2·0	·219	·206	81	84	SE 1	SE 3	9	10	—	≋⁰ (mist) *a*. and *p*. Cool and windy.
4	·14	·26	38·0	36·0	34·9	41·9	1·1	1·9	·206	·177	90	83	SE 1	SE 2	2	0	—	⌴⁰ *a*. Fine, but cold. ∞ [∞² *p*.
5	·41	·49	27·8	30·1	25·7	39·4	0·6	0·8	·133	·146	88	87	Calm 0	SE 1	0	0	—	⌴² ≋⁰ 9*a*. Fine and bright, but cold.
6	·38	·00	34·0	43·0	25·9	43·1	1·1	0·3	·174	·270	88	98	Calm 0	Calm 0	10	10	·413	⌴ *a*. Dull, with ∞. ● from 6*p*.
7	30·09	30·15	34·7	33·8	32·4	45·5	0·9	0·5	·184	·184	92	94	Calm 0	Calm 0	0	10	·160	● *n*. ⌴ *a*. Bright and cold. ⊔
8	29·97	29·88	41·7	49·7	32·5	51·1	0·6	1·1	·251	·320	95	92	Calm 0	WSW 3	10	10	·301	● nearly all day. [⌴ *p*.
9	·68	·45	50·3	45·5	44·3	52·7	0·4	2·0	·355	·259	97	86	WSW 1	SW 2	10	9	·131	≋⁰ (mist) *a*. and *p*. Dull, with ● [showers.
10	·16	·16	39·8	34·5	32·3	46·1	1·0	1·8	·225	·164	92	82	W 1	SW 1	10	9	·020	Cold and damp.
11	·43	·69	29·8	29·9	28·6	39·1	0·1	0·2	·163	·161	98	97	Calm 0	Calm 0	0	1	—	⌴ *a*. Fine and bright.
12	·66	·28	32·5	43·8	28·2	46·7	0·8	1·5	·168	·253	90	88	Calm 0	SSW 3	9	9	·360	⌴² ✳⁰ *n*. Windy, with ▲ ● *p*.
13	·47	29·83	36·3	33·6	32·9	43·9	0·4	0·6	·207	·181	97	93	Calm 0	Calm 0	7	0	—	Bright and cold. ⌴ *p*.
14	29·97	30·02	33·8	46·8	29·0	47·2	0·7	0·6	·180	·306	92	96	Calm 0	Calm 0	9	10	·053	⌴ ∞ *a*.
15	30·19	·06	33·5	44·1	30·7	47·2	0·5	1·0	·182	·266	94	92	Calm 0	SSW 2	10	10	·058	⌴ ≋ *a*. ∞ *p*.
16	·15	30·11	48·4	44·6	41·4	50·9	0·5	0·7	·328	·279	96	95	Calm 0	Calm 0	10	9	·011	Cold, with ∞ *p*.
17	30·08	29·96	51·7	52·9	43·8	54·5	0·8	1·5	·362	·359	94	90	SW 1	SW 1	10	10	·041	Dull and gloomy.
18	29·69	30·10	49·7	35·3	34·8	53·0	0·8	0·7	·336	·193	94	94	SW 3	SSW 1	10	0	·016	Dull and squally, with ● showers *a*.
19	·83	29·49	44·8	43·3	34·1	48·8	1·7	1·7	·257	·244	87	87	SW 1	W 3	10	10	·500	≋⁰ (mist) *a*. Dull day. ●² noon
20	·48	·55	33·8	35·3	31·0	43·6	0·9	1·2	·176	·183	90	89	Calm 0	W 2	1	10	·121	⌴ *a*. ✳⁰ showers. [−6*p*.
21	·50	·23	43·1	50·5	34·6	50·6	1·0	0·3	·256	·360	92	97	Calm 0	S 1	8	10	·305	Mild, with ● all day.
22	·25	·53	45·7	41·6	41·0	51·5	0·7	0·6	·291	·250	95	95	Calm 0	Calm 0	10	5	·122	●² till 3*p*. Mild day.
23	·67	29·40	43·4	52·0	39·4	52·0	0·6	1·0	·269	·361	95	93	Calm 0	S 3	9	10	·221	≋⁰ (mist) *a*. Dull and mild. ● *p*.
24	29·60	30·03	41·7	37·5	35·7	52·1	2·7	1·7	·209	·191	80	85	SW 2	Calm 0	9	0	·058	● showers.
25	30·15	·13	43·7	47·5	34·8	48·9	1·1	3·0	·260	·259	91	80	Calm 0	SE 3	10	10	—	≋⁰ (mist) *a*. Mild day.
26	·19	·21	47·7	46·1	44·8	50·9	2·6	2·3	·269	·260	82	84	SW 1	SE 2	10	10	—	≋⁰ (mist) 9*a*. Dull and cool.
27	·15	30·07	45·0	40·5	39·6	46·5	3·1	2·1	·231	·210	77	83	S 1	SE 1	9	6	·073	Mild day.
28	30·01	29·87	37·7	41·0	36·0	41·8	0·6	0·5	·214	·246	95	96	Calm 0	S 3	10	10	·331	≋⁰ (mist) 9*a*. Dull day. ● all after-
29	29·88	30·10	42·9	43·4	39·8	45·5	0·8	0·7	·258	·266	94	95	SE 1	Calm 0	10	10	—	≋⁰ (mist) *a*. and *p*. [noon.
30	30·10	29·97	44·6	47·1	42·6	47·4	1·1	1·3	·270	·292	92	91	Calm 0	SSW 3	10	10	—	≋⁰ (mist) *a*. and *p*. Dull and windy.
31	29·77	29·96	48·8	36·6	36·4	49·7	1·2	0·1	·316	·215	91	100	SSW 2	Calm 0	10	8	·073	Dull and squally *a*. ● 11*a*.–6*p*. ≋ *p*.
Mean	29·871	29·873	41·3	41·8	35·9	47·6	1·1	1·2	·243	·244	90·9	90·2	0·6	1·5	8·1	7·6	3·668	

Part II.—Monthly Summaries from Stations of the Second Order, 1889.

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-four 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 1888, by the addition of Liverpool.

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 1886–8, is given at station level,—not reduced to the mean sea level as in previous years, see page 2) has been obtained by adding together the means for 9 a.m. and 9 p.m., and dividing the result by 2. Similarly the Mean Temperature is based upon the 9 a.m. and 9 p.m. readings of the dry-bulb thermometer, without taking into account the maxima and minima, the means of which are, however, given for each month.

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

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

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

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

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

The days of gale are those days when force 7 or upwards (Beaufort's scale) 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 (Orkney)	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).
Laudale (Argyleshire)	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
☿ Dundee	W. Ross M'Kelvie (The Cemeteries).
☿ Ochtertyre	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. (*the late*).
☿ Rosewell	R. W. D. Cameron, M.D.
☿ Rothesay (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.
Liverpool	John Hartnup, F.R.A.S. (*the late*).
♏ Llandudno	J. Nicol, M.D., F.R.Met.Soc.
♏ Buxton	J. C. Thresh, M.D.
♏ Cheadle	J. C. Philips.
♏ 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. Hearder, M.D.
♏ Berkhamsted	E. Mawley, F.R.H.S., F.R.Met.Soc.
Kew	G. M. Whipple, B.Sc., F.R.A.S. (*the late*) (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.

Stations.	Observers.
Falmouth	E. Kitto, F.R.Met.Soc. (for the Royal Cornwall Polytechnic Society).
Londonderry	J. Conroy, F.R.Met.Soc.
☿ Lissan (Co. Tyrone)	Sir Nathaniel Staples, Bart.
Armagh	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. Phœnix Park)	Sergt. Lipscombe and Corpl. Stone (for Lt.-Col. Kirkwood, 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.

SWANBISTER

Long. 3° 8′ W. Lat. 58° 56′ N. Height above Mean Sea Level, 68 feet. Gravity Correction + ·036.

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·811	41·5	41·5	41·5	37·5	44·9	31·0	26, 27	54·1	18th	1·5	1·7	1·6	·233	·227	·230	88·0	86·5	87·3
February -	·660	36·9	36·6	36·8	32·0	40·9	23·1	9th	49·2	17, 18	2·3	1·9	2·1	·177	·182	·180	78·5	81·5	80·0
March -	·760	38·7	37·8	38·3	33·7	41·9	28·0	4th	50·0	24,25,28	1·2	1·1	1·2	·215	·209	·212	89·5	89·7	89·6
April -	·686	43·0	40·5	41·8	37·3	46·0	30·7	23rd	54·6	18th	1·9	1·1	1·5	·237	·231	·234	85·4	90·8	88·1
May -	·768	50·1	47·6	48·9	44·8	53·2	39·0	26th	63·3	22nd	1·8	1·3	1·6	·317	·299	·308	87·9	90·9	89·4
June -	·965	55·2	51·3	53·3	48·1	58·4	41·8	10th	65·1	26th	3·6	1·9	2·8	·340	·329	·335	77·9	86·9	82·4
July -	·812	54·7	51·4	53·1	47·3	57·7	39·2	12th	64·0	29th	2·9	1·3	2·1	·352	·346	·349	82·2	90·8	86·5
August -	·613	55·4	52·6	54·0	49·4	58·6	44·8	13th	63·5	2nd	2·2	1·3	1·8	·378	·363	·371	86·2	91·3	88·8
September	·871	51·2	49·0	50·1	45·7	54·2	34·0	24th	61·8	4th	2·1	1·4	1·8	·330	·318	·324	86·0	89·7	87·9
October -	·602	48·0	46·6	47·3	42·5	50·8	35·6	28th	53·9	12th	1·8	1·6	1·7	·293	·284	·289	87·4	88·6	88·0
November	·884	44·2	44·3	44·3	40·1	47·7	27·0	27th	55·3	7th	1·5	1·3	1·4	·261	·266	·264	88·3	89·7	89·0
December	29·775	40·6	40·9	40·8	36·8	44·0	26·0	12th	50·0	17, 26	1·5	1·6	1·6	·224	·226	·225	87·8	87·6	87·7
Year -	29·767	46·6	45·0	45·8	41·3	49·9	—	—	—	—	2·0	1·5	1·8	·280	·273	·277	85·4	88·7	87·1

LAIRG

Long. 4° 22′ W. Lat. 58° 1′ N. Height above Mean Sea Level, 458 feet from January to May, then 335 feet. Gravity Correction + ·033.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·423	39·3	39·3	39·3	33·9	44·4	23·0	13th	57·0	18th	1·5	1·7	1·6	·211	·207	·209	88	87	88
February -	·284	33·7	33·0	33·4	28·2	40·4	12·0	11th	50·0	1, 18	0·8	0·7	0·8	·178	·173	·176	91	92	92
March -	·367	37·4	36·1	36·8	30·8	44·0	16·0	2nd	60·0	28th	1·3	0·8	1·1	·198	·198	·198	89	93	91
April -	·257	41·4	39·2	40·3	34·8	46·5	27·0	10th	58·0	27th	2·1	1·4	1·8	·218	·212	·215	84	88	86
May -	·314	53·7	49·2	51·5	43·4	62·2	37·0	27th	70·0	19,21,22	3·6	2·2	2·9	·317	·296	·307	77	85	81
June -	·675	57·4	53·3	55·4	46·2	65·0	28·5	10th	76·5	26th	5·5	3·1	4·3	·322	·323	·323	68	79	74
July -	·533	55·9	52·4	54·2	45·7	62·1	35·0	12th	75·5	31st	4·3	2·3	3·3	·332	·333	·333	74	85	80
August -	·362	56·1	53·0	54·6	47·4	60·5	39·0	8th	75·0	1st	3·6	2·1	2·9	·352	·371	·362	77	92	85
September	·591	52·1	50·2	51·2	43·5	57·9	28·0	26th	68·0	4th	3·2	3·2	3·2	·307	·284	·296	78	79	79
October -	·308	42·9	42·3	42·6	36·5	51·2	22·1	28th	55·0	1st	1·5	1·2	1·4	·244	·244	·244	88	91	90
November	·638	40·7	41·9	41·3	36·0	48·8	25·0	17th	57·0	7th	1·1	1·3	1·2	·231	·239	·235	91	91	91
December	29·524	37·5	38·6	38·1	31·9	44·2	16·0	12th	52·5	17th	1·4	1·5	1·5	·197	·205	·201	88	88	88
Year -	*29·440	45·7	44·0	44·9	38·2	52·3	—	—	—	—	2·5	1·8	2·2	·259	·257	·258	82·8	87·5	85·2

* Height above Mean Sea Level, 339 feet from June 1st.

DUNROBIN CASTLE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·934	41·4	41·5	41·5	36·8	46·9	29·0	2nd	58·2	18th	2·0	2·3	2·2	·225	·216	·221	85·0	81·8	83·4
February -	·786	36·7	36·3	36·5	31·8	42·8	21·5	10th	56·6	1st	2·1	1·8	2·0	·178	·182	·180	80·3	83·7	82·0
March -	·860	40·7	39·4	40·1	34·8	47·2	25·5	2nd	59·2	29th	0·9	1·4	1·2	·241	·219	·230	91·7	88·1	89·9
April -	·763	43·5	42·3	42·9	38·0	49·1	29·5	3rd	58·9	18th	1·9	1·8	1·9	·245	·236	·241	86·3	86·6	86·5
May -	29·809	51·9	51·3	51·6	46·6	57·8	40·7	1st	68·2	21st	2·9	2·8	2·9	·315	·306	·311	81·5	81·8	81·7
June -	30·034	56·8	55·2	56·0	50·0	63·6	41·5	10th	74·3	12th	4·5	3·7	4·1	·341	·340	·341	74·0	78·0	76·0
July -	29·889	56·0	53 8	54·9	49·0	60·8	41·2	12th	67·8	31st	3·9	2·7	3·3	·343	·342	·343	76·3	82·2	79·3
August -	·707	57·7	54·1	55·9	50·2	62·8	43·7	14, 23	71·1	28th	3·7	2·6	3·2	·373	·351	·362	77·6	83·3	80·5
September	·963	53·0	50·2	51·6	46·0	57·4	35·5	26th	65·9	9th	2·8	2·1	2·5	·333	·317	·325	82·1	85·5	83·8
October -	·674	47·9	46·7	47·3	41·6	52·1	32·7	28th	56·0	1st	2·5	2·4	2·5	·277	·266	·272	82·4	83·1	82·8
November	·993	43·7	43·7	43·7	38·7	50·2	27·8	26th	59·6	9th	2·4	2·2	2·3	·238	·242	·240	82·0	83·2	82·6
December	29·878	39·6	39·8	39·7	34·7	46·4	24·3	12th	57·6	17th	1·9	2·1	2·0	·209	·205	·207	84·0	81·9	83·0
Year -	29·858	47·4	46·2	46·8	41·5	53·1	—	—	—	—	2·6	2·3	2·5	·277	·269	·273	81·9	83·3	82·6

SWANBISTER.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	8·0	7·2	7·6	3·080	·260	8, 17	26	2	4	0	1	16	9	2	0	0	7	14	14	12	10	3
February -	8·0	7·8	7·9	4·540	·630	16th	23	11	13	1	0	12	8	17	4	3	2	3	6	4	15	2
March -	7·6	7·2	7·4	2·820	·520	12th	25	9	1	0	4	16	4	8	3	3	7	8	6	11	14	2
April -	7·7	7·5	7·6	2·180	·440	10th	24	3	3	0	0	15	4	6	8	12	10	7	5	4	8	0
May -	7·2	7·5	7·4	0·630	·180	1st	14	0	0	3	1	18	1	1	6	15	30	3	2	2	3	0
June -	6·2	7·4	6·8	0·800	·270	2nd	11	0	0	2	1	9	0	3	3	7	9	7	4	9	9	9
July -	7·9	7·5	7·7	1·550	·540	7th	16	0	0	0	0	14	0	10	7	5	9	5	2	4	15	5
August -	7·8	7·2	7·5	5·770	1·570	20th	25	0	0	1	0	13	2	8	4	4	6	4	6	10	17	3
September	7·7	6·0	6·9	3·350	·900	10th	18	0	2	0	1	10	1	10	1	3	14	7	5	5	14	1
October -	7·2	7·3	7·3	3·810	·710	7th	26	0	0	0	0	13	1	11	7	9	7	15	7	4	1	1
November -	8·3	7·6	8·0	3·170	·640	1st, 6th	20	2	1	0	1	15	4	3	1	1	0	13	15	15	12	0
December -	6·8	7·3	7·0	3·920	·510	9th	24	2	1	0	2	17	4	3	0	0	2	26	15	10	6	0
Year -	—	—	—	35·620	—	—	252	—	—	—	—	—	38	82	44	62	103	112	87	90	124	26

LAIRG.

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

				ins	ins.																	
January -	—	—	—	1·740	·340	10th	18	5	0	0	—	—	0	0	0	17	1	0	0	21	7	16
February -	—	—	—	4·770	·780	17th	25	14	0	0	—	—	0	3	0	10	1	0	0	10	18	14
March -	—	—	—	2·380	·360	19th	23	15	0	0	—	—	0	0	0	18	0	0	0	19	12	13
April -	—	—	—	2·890	·460	12th	25	7	2	0	—	—	0	2	0	29	1	0	0	10	11	7
May -	—	—	—	0·810	·170	30th	14	0	1	1	—	—	0	0	0	43	2	0	2	1	0	14
June -	—	—	—	0·560	·160	2nd	7	0	0	1	—	—	0	2	1	18	5	5	7	13	3	6
July -	—	—	—	1·810	·630	23rd	17	0	0	0	—	—	0	8	9	24	0	0	2	11	5	3
August -	—	—	—	4·170	·670	9, 20	23	0	0	0	—	—	1	5	5	14	4	3	3	15	12	1
September	5·8	6·2	6·0	1·790	·450	11th	10	0	0	0	2	9	4	6	7	3	4	9	7	17	7	0
October -	5·9	5·8	5·9	3·060	·890	7th	19	0	0	0	4	7	1	6	8	27	2	4	1	4	1	9
November -	6·3	6·4	6·4	2·030	·450	8th	16	3	0	0	1	10	2	9	4	11	2	1	8	13	3	9
December -	5·2	5·7	5·5	2·620	·460	9th	19	6	0	0	1	5	2	7	5	14	12	1	2	12	5	4
Year -	—	—	—	28·630	—	—	216	50	3	2	—	—	10	48	39	228	34	23	32	146	84	96

DUNROBIN CASTLE.

Heights above Ground :—Barometer, 4 feet. Thermometers, 3 feet 8 inches. Rain-gauge, 1 foot.

				ins.	ins.																	
January -	—	—	—	1·530	·400	9th	9	0	0	0	—	—	—	10	2	4	1	3	10	17	15	0
February -	—	—	—	4·200	·500	3rd	21	11	0	0	—	—	—	13	9	3	1	2	0	11	17	0
March -	—	—	—	1·680	·360	19th	11	4	0	0	—	—	—	15	23	12	0	0	0	12	0	0
April -	—	—	—	3·110	·900	3rd	15	1	0	0	—	—	—	4	7	11	22	0	3	5	8	0
May -	—	—	—	0·830	·320	27th	6	0	0	0	—	—	—	0	4	15	27	10	1	1	4	0
June -	—	—	—	0·950	·310	2nd	7	0	0	2	—	—	—	4	3	13	10	13	3	11	3	0
July -	—	—	—	1·340	·380	19th	10	0	0	0	—	—	—	2	7	7	15	3	7	11	10	0
August -	—	—	—	4·860	1·220	20th	13	0	0	0	—	—	—	9	9	7	11	6	1	2	17	0
September	—	—	—	1·870	·460	10th	10	0	0	0	—	—	—	6	11	8	6	5	2	9	13	0
October -	—	—	—	3·120	·810	7th	12	0	0	0	—	—	—	7	16	6	11	0	0	6	16	0
November	—	—	—	2·100	·540	1st	11	3	0	0	—	—	—	20	10	1	2	7	5	9	6	0
December	—	—	—	2·100	·300	22nd	15	2	0	0	—	—	—	13	3	3	3	7	4	21	8	0
Year -	—	—	—	27·690	—	—	140	21	0	2	—	—	—	103	124	90	109	56	36	115	117	0

GORDON CASTLE

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·853	41·2	40·6	40·9	36·5	46·7	29·0	2, 14	61·2	18th	2·8	2·9	2·9	·203	·197	·200	79	78	79
February -	·675	36·3	36·1	36·2	32·0	42·2	21·2	11th	58·9	1st	1·7	2·0	1·9	·183	·176	·180	85	82	84
March -	·759	40·4	38·2	39·3	33·8	47·0	18·5	4th	64·8	28th	3·0	2·6	2·8	·192	·181	·187	77	79	78
April -	·649	43·6	40·8	42·2	37·0	49·1	27·5	10th	63·3	18th	3·3	2·5	2·9	·215	·205	·210	76	80	78
May -	·708	56·7	51·4	54·1	46·3	64·7	41·0	15th	78·0	21st	5·7	3·6	4·7	·309	·290	·300	67	77	72
June -	·917	60·0	55·6	57·8	48·2	67·4	38·6	10th	81·5	26th	6·0	4·8	5·4	·344	·316	·330	66	71	69
July -	·772	57·2	52·9	55·1	46·5	63·0	36·0	12th	74·5	31st	4·7	2·6	3·7	·337	·331	·334	72	83	78
August -	·604	58·5	53·4	56·0	49·0	64·7	43·0	14th	75·0	1st	4·6	2·7	3·7	·395	·327	·361	89	80	85
September	·858	54·2	50·3	52·3	45·3	60·9	35·0	26th	73·6	5th	4·1	2·9	3·5	·310	·292	·301	74	80	77
October -	·562	46·5	44·0	45·3	39·2	54·3	29·6	26th	61·2	6th	2·5	1·7	2·1	·259	·250	·255	82	86	84
November	·885	43·6	44·2	43·9	38·4	50·7	29·0	26, 27	62·3	7th	2·7	2·6	2·7	·226	·234	·230	79	80	80
December	29·785	40·6	40·2	40·4	35·2	45·8	26·0	12th	56·3	16th	3·0	2·8	2·9	·195	·194	·195	77	78	78
Year -	29·752	48·2	45·6	46·9	40·6	54·7	—	—	—	—	3·7	2·8	3·3	·264	·249	·257	76·9	79·5	78·2

GLENCARRON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·401	40·4	40·5	40·5	34·0	44·9	26·3	13th	51·9	18th	1·7	1·9	1·8	·216	·215	·216	87	86	87
February -	·274	35·1	34·6	34·9	30·1	39·9	13·0	10th	49·0	1st	1·5	1·4	1·5	·175	·173	·174	85	86	86
March -	·333	38·5	37·4	38·0	32·8	43·8	21·0	5th	50·6	31st	1·5	1·4	1·5	·203	·196	·200	87	88	88
April -	·195	41·4	40·5	41·0	35·7	47·2	27·6	10th	57·6	28th	2·7	2·4	2·6	·207	·204	·206	80	81	81
May -	·248	54·2	51·9	53·1	45·5	62·5	38·0	16th	73·9	6th	4·5	3·4	4·0	·301	·301	·301	72	78	75
June -	·492	57·4	53·8	55·6	47·8	64·1	35·0	10th	77·0	21st	5·2	3·7	4·5	·328	·315	·322	69	76	73
July -	·357	54·9	53·1	54·0	47·1	62·3	41·5	12th	78·8	31st	3·3	2·7	3·0	·342	·331	·337	79	81	80
August -	·193	53·7	52·2	53·0	48·6	58·3	42·1	8th	65·4	3rd	2·5	2·0	2·3	·343	·337	·340	83	86	85
September	·438	50·4	49·5	50·0	44·4	57·8	30·9	25th	72·8	6th	2·2	2·2	2·2	·310	·297	·304	85	84	85
October -	·120	43·5	43·1	43·3	38·2	50·9	25·7	28th	56·9	16th	1·7	1·9	1·8	·246	·237	·242	86	85	86
November	·469	43·3	43·0	43·2	38·6	47·8	25·6	27th	57·9	22nd	1·6	1·7	1·7	·246	·240	·243	88	86	87
December	29·340	39·4	40·2	39·8	34·5	45·4	19·6	12th	53·9	24th	1·7	1·8	1·8	·208	·213	·211	87	86	87
Year -	29·322	46·0	45·0	45·5	39·8	52·1	—	—	—	—	2·5	2·2	2·4	·260	·255	·258	82·3	83·6	83·0

ABERDEEN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·905	39·3	39·4	39·4	35·3	44·3	27·9	2nd	57·1	18th	2·1	2·2	2·2	·200	·199	·200	84	83	84
February -	·680	35·7	35·9	35·8	32·2	40·7	22·6	10th	54·6	1st	2·4	2·2	2·3	·165	·172	·169	79	82	81
March -	·785	39·1	38·7	38·9	33·2	44·4	10·5	5th	63·0	24th	2·7	2·4	2·6	·187	·189	·188	79	81	80
April -	·663	42·9	41·9	42·4	38·4	46·4	32·4	3rd	58·4	20th	2·5	2·0	2·3	·224	·226	·225	82	86	84
May -	·766	50·0	49·2	49·6	45·5	54·3	41·2	2nd, 3rd	67·4	22nd	2·3	2·2	2·3	·302	·296	·299	84	85	85
June -	·973	56·7	54·4	55·6	48·5	60·8	41·5	10th	73·5	26th	4·5	3·4	4·0	·336	·330	·333	72	78	75
July -	·798	55·5	53·6	54·6	49·5	59·1	42·0	23rd	65·4	22nd	3·6	2·3	3·0	·343	·347	·345	77	84	81
August -	·627	57·0	54·7	55·9	50·7	61·2	44·0	23rd	70·6	2nd	4·0	2·5	3·3	·351	·358	·355	75	83	79
September	·892	52·1	50·2	51·2	46·7	56·6	35·8	26th	68·0	9th	2·9	2·1	2·5	·314	·310	·312	80	86	83
October -	·587	46·4	46·5	46·5	42·0	50·7	34·1	9th	56·5	6th	1·9	1·9	1·9	·271	·272	·272	87	86	87
November	·939	42·6	42·7	42·7	38·2	47·8	29·7	27th	60·7	7th	2·3	1·9	2·1	·225	·234	·230	83	86	85
December	29·861	39·4	39·6	39·5	35·2	43·7	25·7	12th	53·8	17th	2·2	2·4	2·3	·199	·197	·198	83	81	82
Year -	29·790	46·4	45·6	46·0	41·3	50·8	—	—	—	—	2·8	2·3	2·6	·260	·261	·261	80·4	83·4	81·9

GORDON CASTLE.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	—	—	—	0·850	—	—	15	0	2	0	—	—	6	1	0	1	10	8	32	3	7	0
February -	—	—	—	3·250	—	—	24	13	4	0	—	—	4	7	3	2	4	2	11	20	7	0
March -	—	—	—	1·660	—	—	18	8	0	0	—	—	0	5	4	3	4	7	20	7	12	0
April -	—	—	—	2·990	—	—	18	3	3	0	—	—	3	2	6	5	13	0	7	5	4	18
May -	—	—	—	0·810	—	—	9	0	0	3	—	—	0	7	3	4	39	3	6	0	0	0
June -	—	—	—	0·640	—	—	6	0	0	1	—	—	0	5	9	0	15	4	14	3	10	0
July -	—	—	—	3·370	—	—	18	0	0	0	—	—	0	11	13	0	12	2	3	5	16	0
August -	—	—	—	4·490	—	—	14	0	0	0	—	—	2	7	7	1	8	1	19	9	10	0
September	—	—	—	1·470	—	—	13	0	1	0	—	—	4	8	4	1	7	3	8	2	7	20
October -	—	—	—	3·170	—	—	13	0	0	0	—	—	2	4	4	5	12	1	14	0	1	21
November	—	—	—	2·340	—	—	12	1	2	0	—	—	5	0	1	0	6	5	35	8	5	0
December	—	—	—	1·580	—	—	9	2	0	0	—	—	9	0	0	0	11	8	34	6	3	0
Year -	—	—	—	26·620	—	—	169	27	12	4	—	—	35	57	54	22	141	44	203	68	82	59

GLENCARRON.

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

				ins.	ins.																	
January -	9·9	8·6	9·3	9·310	1·270	17th	23	0	0	0	—	—	0	1	1	6	1	2	2	43	1	5
February -	8·5	8·2	8·4	11·810	2·360	18th	22	4	0	0	1	18	1	6	3	16	0	0	0	26	0	5
March -	8·0	7·6	7·8	9·660	2·010	23rd	26	2	0	0	3	19	0	5	4	15	0	0	0	37	0	1
April -	8·3	8·0	8·2	3·970	·800	21st	25	0	0	0	1	19	0	3	2	25	1	1	0	24	0	4
May -	7·9	7·5	7·7	1·900	·360	28th	16	0	0	1	1	20	0	3	4	30	0	5	1	18	0	1
June -	5·9	5·9	5·9	1·710	·500	8th	15	0	0	2	6	11	0	3	3	11	0	2	0	36	1	4
July -	9·3	8·1	8·7	2·700	·580	9th	20	0	0	0	1	15	0	7	3	18	1	0	0	29	1	3
August -	9·2	9·5	9·4	8·940	1·130	27th	29	0	0	0	0	25	0	4	2	12	3	1	0	37	1	2
September	9·1	7·6	8·4	6·350	1·090	18th	18	0	0	0	0	20	0	7	1	14	2	3	1	30	0	2
October -	7·1	7·1	7·1	4·560	·700	6, 30	19	0	0	0	1	11	1	11	5	29	2	0	0	14	0	1
November	8·7	8·2	8·5	9·160	3·470	2nd	23	3	0	0	1	22	0	4	2	9	0	0	0	41	1	3
December	7·8	8·3	8·1	9·650	1·590	8th	25	0	0	0	1	18	0	6	1	5	0	0	0	47	1	2
Year -	8·3	7·9	8·1	79·720	—	—	261	9	0	3	—	—	2	60	31	190	10	14	4	382	6	33

ABERDEEN.

Heights above Ground:—Barometer, 42 feet. Thermometers, 41 feet. Rain-gauge, 2 feet.

	10 a.m.	10 p.m.																				
				ins.	ins.																	
January -	6·3	5·5	5·9	0·975	·300	8th	16	2	1	0	2	7	2	0	0	0	10	16	12	12	3	9
February -	6·0	6·4	6·2	3·035	·420	25th	24	16	2	0	0	7	6	2	0	2	3	4	8	17	16	4
March -	7·1	5·8	6·5	2·335	·560	19th	19	11	3	0	0	4	3	2	3	1	7	12	8	12	10	7
April -	7·5	7·1	7·3	3·065	·400	3rd	24	4	3	0	0	15	2	3	4	15	13	4	5	3	11	2
May -	6·0	6·5	6·3	1·210	·250	28th	10	0	0	0	2	7	0	1	6	10	17	15	0	2	2	9
June -	5·6	5·7	5·7	0·630	·410	6th	9	0	0	3	3	5	0	7	4	9	9	12	3	4	1	11
July -	7·2	8·0	7·6	3·180	·860	20th	18	0	0	1	0	13	0	3	4	7	5	9	1	4	12	17
August -	6·9	7·3	7·1	5·510	1·290	5, 10	24	0	0	0	0	8	0	0	2	4	4	7	10	11	10	14
September	6·6	5·2	5·9	1·005	·505	18th	14	0	0	0	1	9	1	2	0	1	6	16	4	8	17	6
October -	6·6	6·9	6·8	3·570	·590	6th	25	0	0	0	3	12	1	4	3	6	8	7	6	6	8	14
November	5·5	5·4	5·5	1·245	·270	24th	15	3	0	0	4	6	1	0	0	0	3	13	14	12	4	14
December	6·0	5·6	5·8	2·203	·400	3rd	16	1	2	0	2	5	1	0	0	0	3	29	12	11	1	6
Year -	6·4	6·3	6·4	27·963	—	—	214	37	11	4	17	98	17	24	26	55	88	144	83	102	95	113

FORT AUGUSTUS.

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·909	40·4	40·5	40·5	34·1	46·1	23·7	10th	52·8	31st	1·6	1·9	1·8	·218	·214	·216	87	86	87
February	·759	37·1	37·6	37·4	31·0	42·3	10·0	11th	52·4	1st	1·7	1·7	1·7	·188	·193	·191	85	85	85
March -	·819	40·6	40·1	40·4	34·3	46·3	20·0	2nd	59·9	31st	1·9	1·4	1·7	·214	·219	·217	86	89	88
April -	·670	42·9	42·7	42·8	38·0	49·0	31·0	11th	58·8	17th	2·7	2·5	2·6	·220	·222	·221	80	81	81
May -	·716	52·3	53·8	53·1	45·8	62·4	35·3	26th	73·0	21st	3·5	4·0	3·8	·302	·308	·305	77	75	76
June -	·961	57·5	55·9	56·7	48·9	65·6	33·8	10th	78·5	26th	4·8	3·8	4·3	·339	·344	·342	72	77	75
July -	·815	56·2	56·3	56·3	48·3	64·0	41·8	8th	78·2	31st	3·9	4·0	4·0	·345	·344	·345	76	75	76
August -	·649	55·8	54·1	55·0	50·0	60·9	41·0	31st	70·0	1st	2·8	2·0	2·4	·367	·359	·363	82	85	84
September	·906	51·3	51·6	51·5	45·0	59·7	30·5	25th	71·0	5th	2·0	2·5	2·3	·327	·318	·323	86	83	85
October -	·592	44·7	44·6	44·7	38·8	51·3	24·9	25th	56·7	19th	1·4	1·6	1·5	·264	·258	·261	89	88	89
November	·955	43·9	44·0	44·0	38·5	49·0	23·0	27th	56·5	9th	1·7	1·6	1·7	·249	·252	·251	87	87	87
December	29·850	39·5	40·6	40·1	33·9	45·6	22·3	12th	53·5	17th	1·8	2·4	2·1	·207	·205	·206	86	82	84
Year -	29·800	46·9	46·8	46·9	40·6	53·5	—	—	—	—	2·5	2·5	2·5	·270	·270	·270	82·8	82·8	82·8

BRAEMAR

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	28·755	36·6	36·9	36·8	32·1	42·7	19·7	2nd, 7th	52·8	18th	1·6	1·7	1·7	·191	·188	·190	86·0	84·7	85·4
February -	·540	31·7	32·5	32·1	28·9	39·8	12·7	10th	50·3	1st	1·3	1·1	1·2	·154	·162	·158	84·6	86·0	85·3
March -	·649	35·6	34·6	35·1	30·3	42·7	8·4	2nd	59·5	28th	1·8	1·5	1·7	·180	·176	·178	84·2	84·2	84·2
April -	·528	38·8	38·3	38·6	35·0	44·5	28·4	3rd, 26th	60·7	17th	2·2	1·9	2·1	·196	·196	·196	82·6	84·2	83·4
May -	·614	52·4	50·2	51·3	42·9	60·6	36·8	13th	70·5	6th, 21st	4·1	3·2	3·7	·295	·286	·291	75·0	79·2	77·1
June -	·861	57·6	54·7	56·2	46·0	66·9	38·3	11th	77·7	21st	5·4	4·0	4·7	·331	·325	·328	69·9	75·6	72·8
July -	·697	54·7	53·0	53·9	45·7	62·6	36·4	24th	75·5	4th	4·7	3·2	4·0	·309	·323	·316	72·9	79·7	76·3
August -	·554	53·0	51·4	52·2	47·1	58·8	35·5	31st	69·2	1st	3·5	2·6	3·1	·316	·315	·316	78·6	82·9	80·8
September	·772	48·6	47·8	48·2	41·6	56·8	30·4	24th	69·5	6th	2·5	2·1	2·3	·291	·290	·291	82·7	85·2	84·0
October -	·456	40·6	41·3	41·0	36·4	47·8	24·7	14th	54·5	2nd	1·4	1·3	1·4	·228	·234	·231	88·9	89·3	89·1
November	·807	39·8	39·6	39·7	35·0	46·6	25·7	26th	59·3	9th	1·5	1·7	1·6	·220	·212	·216	86·5	85·5	86·0
December	28·707	35·9	36·3	36·1	31·6	42·3	15·5	12th	51·5	17th	1·8	1·7	1·8	·180	·182	·181	82·2	84·0	83·1
Year -	28·662	43·8	43·1	43·5	37·7	51·0	—	—	—	—	2·7	2·2	2·5	·241	·241	·241	81·2	83·4	82·3

88/
45/
0/
228·94

FORT WILLIAM

Long. 5° 7′ W. Lat. 56° 49′ N. Height above Mean Sea Level, 33 feet. Gravity Correction + ·032.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·978	41·0	40·5	40·8	36·1	45·8	25·2	11th	53·8	31st	1·7	1·1	1·4	·221	·233	·227	86	94	90
February -	·820	35·9	36·9	36·4	32·2	42·5	15·7	10th	50·7	1st	1·7	2·1	1·9	·180	·180	·180	85	83	84
March -	·873	40·7	39·8	40·3	35·8	46·5	25·2	2nd, 3rd	53·0	29th	2·1	1·8	2·0	·211	·209	·210	84	85	85
April -	·708	43·9	42·7	43·3	38·5	50·0	32·2	3rd, 6th	59·8	30th	3·5	2·8	3·2	·214	·216	·215	74	79	77
May -	29·749	54·0	52·8	53·4	47·7	61·1	37·9	26th	73·8	7th	3·5	3·9	3·7	·322	·300	·311	77	75	76
June -	30·014	57·7	55·8	56·8	48·4	67·1	39·3	10th	78·9	19th	4·4	4·0	4·2	·353	·338	·346	75	76	76
July -	29·866	57·1	55·4	56·3	48·4	66·8	41·3	24th	81·9	3rd	4·1	3·0	3·6	·350	·355	·353	75	81	78
August -	·710	55·4	53·7	54·6	50·1	61·7	41·3	31st	67·8	3rd	2·5	2·1	2·3	·368	·354	·361	84	86	85
September	·958	52·2	51·3	51·8	46·4	60·4	32·2	25th	72·1	7th	2·4	2·2	2·3	·328	·322	·325	84	86	85
October -	29·632	44·1	44·4	44·3	39·4	52·6	30·2	25th	57·8	1st	1·7	2·1	1·9	·251	·246	·249	86	84	85
November	30·030	44·7	44·5	44·6	40·3	48·9	25·4	27th	55·7	7th, 22nd	1·8	1·6	1·7	·255	·257	·256	87	88	88
December	29·917	40·3	41·1	40·7	36·3	45·7	28·2	4th	53·7	26th	1·7	1·7	1·7	·215	·222	·219	87	86	87
Year -	29·855	47·3	46·6	47·0	41·6	54·1	—	—	—	—	2·6	2·4	2·5	·272	·269	·271	82·0	83·6	82·8

FORT AUGUSTUS.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	6·6	—	—	3·230	·790	18th	18	—	—	0	—	—	7	2	0	0	0	0	36	2	5	17
February -	7·2	—	—	4·080	1·070	18th	22	6	0	0	—	—	1	8	10	1	1	0	18	6	4	8
March -	6·8	—	—	2·860	·740	23rd	18	4	0	0	—	—	2	1	13	2	1	1	29	2	1	12
April -	6·6	—	—	2·300	·600	19th	19	1	0	0	—	—	0	3	15	8	1	4	15	0	1	13
May -	7·5	—	—	0·920	·280	14th	16	0	0	1	—	—	0	11	12	1	6	4	13	4	3	8
June -	6·1	—	—	0·780	·500	2nd	8	0	0	0	—	—	0	11	9	2	1	3	26	2	1	5
July -	6·7	—	—	1·410	·330	24th	15	0	0	0	—	—	0	6	23	2	0	4	18	0	1	8
August -	8·0	—	—	6·260	1·340	20th	25	0	0	0	—	—	0	5	9	0	2	1	23	4	1	17
September	6·4	—	—	1·750	·580	18th	15	4	0	0	—	—	0	4	7	0	3	1	19	5	1	20
October -	6·8	3·8	5·3	2·220	·460	30th	19	1	0	0	3	5	0	5	11	4	0	4	24	7	1	6
November	6·4	4·9	5·7	2·760	1·010	1st	16	5	0	0	4	8	0	2	3	0	1	0	45	4	1	4
December	6·5	6·5	6·5	4·100	·640	18th	19	3	0	0	3	9	4	0	0	0	0	2	40	5	1	14
Year -	6·8	—	—	32·670	—	—	210	—	—	1	—	—	14	58	112	20	16	24	306	41	21	132

BRAEMAR.

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

				ins.	ins.																	
January -	7·2	6·3	6·8	1·680	·500	8th	18	5	0	0	1	8	1	0	5	2	3	3	43	4	2	0
February -	7·1	7·5	7·3	2·600	·740	8th	19	9	0	0	0	7	3	2	12	3	0	1	15	3	20	0
March -	6·6	6·4	6·5	0·990	·200	19th	17	9	0	0	0	5	1	2	8	6	4	1	29	3	9	0
April -	7·9	7·4	7·7	4·090	·760	30th	23	14	0	0	0	12	0	1	16	13	2	4	15	0	9	0
May -	6·3	6·6	6·5	1·300	·480	14th	9	0	0	2	1	4	0	0	12	9	9	12	20	0	0	0
June -	5·3	5·2	5·3	0·730	·380	2nd	7	0	0	4	2	0	0	0	14	5	5	2	33	1	0	0
July -	5·9	6·2	6·1	1·770	·650	24th	16	0	0	1	2	2	0	3	15	6	3	3	19	3	10	0
August -	7·4	7·1	7·3	7·590	2·130	10th	27	0	0	0	1	8	0	2	12	0	1	1	27	6	13	0
September	6·9	5·4	6·2	1·130	·270	18th	13	1	0	0	1	7	1	1	4	1	5	5	29	2	13	0
October -	7·1	6·8	7·0	3·580	·610	19th	22	0	0	1	0	8	0	0	26	9	1	6	17	2	1	0
November	7·0	6·5	6·8	2·280	1·330	1st	12	3	0	0	2	9	1	0	2	0	1	0	50	3	4	0
December	7·0	5·6	6·3	1·860	·510	19th	13	4	0	0	0	2	1	0	1	0	0	0	56	0	5	0
Year -	6·8	6·4	6·6	29·600	—	—	196	45	0	8	10	72	8	11	127	54	34	38	353	27	86	0

FORT WILLIAM.

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

				ins.	ins.																	
January -	8·1	7·3	7·7	10·314	1·602	17th	24	3	0	0	1	18	0	0	4	5	1	3	43	4	0	2
February -	7·7	7·4	7·6	8·773	2·035	18th	18	3	0	0	1	13	1	2	13	10	0	4	20	6	1	0
March -	7·4	7·0	7·2	6·248	1·902	23rd	23	0	1	0	2	14	0	1	16	2	4	2	28	8	1	0
April -	8·2	8·0	8·1	3·118	·862	19th	16	2	0	0	0	17	0	2	19	4	8	3	18	5	0	1
May -	8·0	7·7	7·9	2·730	·700	14th	18	0	0	0	0	16	0	6	6	1	1	7	32	7	1	1
June -	5·6	5·7	5·7	0·842	·200	13th	11	0	0	3	4	11	0	1	12	3	2	2	36	4	0	0
July -	8·0	6·4	7·2	1·349	·312	10th	13	0	0	0	2	15	0	2	12	10	1	3	24	9	1	0
August -	8·5	8·3	8·4	7·582	1·502	27th	26	0	0	0	1	22	1	2	9	2	3	3	32	8	1	2
September	8·0	6·2	7·1	3·882	1·632	18th	20	1	0	0	1	12	0	2	13	5	5	5	25	4	0	1
October -	7·0	6·0	6·5	4·723	·710	8th	22	1	1	0	3	11	0	4	14	19	7	2	11	4	0	1
November	8·5	7·9	8·2	4·905	·870	1st	27	2	0	0	0	22	0	0	4	5	2	2	38	7	0	2
December	8·0	8·0	8·0	10·903	1·366	18th	26	4	0	0	0	16	1	0	5	4	7	5	36	5	0	0
Year -	7·8	7·2	7·5	65·369	—	—	244	16	2	3	15	187	3	22	127	70	41	41	343	71	5	10

LEDNATHIE

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·214	37·0	36·6	36·8	31·3	42·7	21·0	2nd, 7th	54·0	18th	1·6	1·8	1·7	·189	·183	·186	86	85	86
February -	28·999	33·0	33·6	33·3	29·5	39·8	19·0	10th	54·8	1st	2·1	1·8	2·0	·145	·154	·150	77	81	79
March -	29·071	37·0	35·3	36·2	29·3	44·5	7·8	5th	64·5	28th	2·5	1·7	2·1	·174	·174	·174	79	84	82
April -	28·955	40·4	38·6	39·5	34·2	45·0	27·0	3rd	62·7	17th	2·6	1·7	2·2	·199	·201	·200	80	86	83
May -	29·056	52·5	48·6	50·6	42·9	59·3	34·5	27th	72·0	21st	3·1	1·9	2·5	·314	·297	·306	79	87	83
June -	·256	56·7	53·6	55·2	44·7	65·6	35·5	11th	74·3	27th	4·5	3·0	3·8	·336	·330	·333	72	80	76
July -	29·114	55·7	52·2	54·0	44·8	63·4	36·2	24th	75·0	6th	4·6	2·6	3·6	·321	·323	·322	72	83	78
August -	28·950	55·0	52·3	53·7	46·7	61·3	35·0	24th	70·2	1st	3·7	2·6	3·2	·332	·325	·329	77	82	80
September	29·210	50·4	48·1	49·3	42·9	57·3	31·5	26th	69·2	6th	2·8	2·1	2·5	·296	·284	·290	82	85	84
October -	28·888	43·2	42·1	42·7	36·3	49·9	26·0	28th	58·6	2nd	1·6	0·7	1·2	·245	·253	·249	88	94	91
November	29·254	40·3	40·4	40·4	34·3	47·5	21·2	26th	61·0	10th	1·7	1·4	1·6	·215	·222	·219	87	89	88
December	29·172	35·6	36·1	35·9	30·2	41·1	17·0	12th	53·2	17th	1·5	1·6	1·6	·181	·183	·182	86	86	86
Year -	29·095	44·7	43·1	43·9	37·3	51·5	—	—	—	—	2·7	1·9	2·3	·246	·244	·245	80·4	85·2	82·8

LAUDALE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·989	43·1	42·5	42·8	37·1	46·6	29·6	27th	54·9	18th	2·1	2·2	2·2	·237	·230	·234	84·0	83·7	83·9
February -	·837	37·7	38·1	37·9	32·6	43·1	19·0	11th	52·5	1st, 18th	1·6	1·6	1·6	·201	·202	·202	86·0	86·0	86·0
March -	·886	41·4	41·5	41·5	36·6	46·0	22·9	2nd	56·4	24th	1·4	1·4	1·4	·237	·238	·238	88·4	88·9	88·7
April -	·715	44·8	43·3	44·1	38·4	49·5	31·0	24th	57·6	24th	2·7	2·5	2·6	·240	·229	·235	81·0	81·3	81·2
May -	29·754	55·5	53·8	54·7	47·9	61·8	40·6	25th	72·7	6th	4·0	3·8	3·9	·334	·319	·327	75·7	76·5	76·1
June -	30·023	58·5	55·6	57·1	50·8	64·8	41·0	10th	74·4	21st	4·6	3·2	3·9	·362	·357	·360	73·8	80·4	77·1
July -	29·877	57·6	55·1	56·4	49·6	63·5	41·0	8th	75·1	31st	3·9	2·6	3·3	·365	·366	·366	76·5	83·5	80·0
August -	·720	56·4	54·7	55·6	50·9	60·9	41·2	24th	66·1	1st	3·0	2·3	2·7	·373	·366	·370	82·0	85·6	83·8
September	·968	54·1	53·1	53·6	48·8	60·1	33·3	22nd	69·9	6th	2·5	2·0	2·3	·358	·359	·359	84·2	87·0	85·6
October -	29·628	46·8	46·1	46·5	40·9	54·3	29·0	28th	59·8	20th	2·3	1·9	2·1	·269	·269	·269	83·9	86·4	85·2
November	30·031	46·1	46·0	46·1	41·7	51·1	29·1	27th	58·7	7th	1·9	1·5	1·7	·272	·283	·278	86·1	89·3	87·7
December	29·924	43·1	43·1	43·1	37·8	47·3	31·0	12th	55·5	18th	2·1	2·2	2·2	·238	·235	·237	84·4	83·5	84·0
Year -	29·863	48·8	47·7	48·3	42·8	54·1	—	—	—	—	2·7	2·3	2·5	·291	·288	·290	82·2	84·3	83·3

DUNDEE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·854	38·3	38·5	38·4	33·9	43·3	23·9	2nd	56·3	31st	1·1	1·4	1·3	·213	·207	·210	90·2	83·0	89·1
February -	·630	35·5	35·2	35·4	31·1	41·5	20·1	10th	52·6	18th	1·7	1·5	1·6	·177	·178	·178	83·5	84·7	84·1
March -	·717	39·4	38·0	38·7	33·2	45·7	19·6	4th	59·3	24th	2·0	1·4	1·7	·205	·206	·206	82·5	87·9	85·2
April -	·567	43·1	41·1	42·1	37·3	47·8	31·0	2nd, 3rd	63·9	17th	2·2	1·6	1·9	·234	·227	·231	84·2	87·4	85·8
May -	·655	53·1	49·0	51·1	44·9	58·9	49·9	3rd	74·0	22nd	2·7	1·5	2·1	·337	·312	·325	83·5	90·1	86·8
June -	·885	59·0	54·2	56·6	49·1	66·9	40·4	10th	79·4	26th	3·7	2·3	3·0	·390	·360	·375	78·4	85·6	82·0
July -	·706	58·6	54·0	56·3	48·7	65·9	39·1	18th	75·9	6th	4·2	2·0	3·1	·372	·366	·369	75·4	87·1	81·3
August -	·559	57·4	54·3	55·9	49·8	62·4	42·4	23, 26	75·0	1st	3·1	2·0	2·6	·384	·371	·378	81·5	87·3	84·4
September	·814	52·4	50·1	51·3	46·0	58·8	34·2	24th	68·5	10th	2·6	1·9	2·3	·334	·325	·330	82·8	86·9	84·9
October -	·494	45·7	44·8	45·3	40·7	51·3	32·5	29th	59·0	5th	1·6	1·4	1·5	·273	·269	·271	88·4	89·9	89·2
November	·885	42·1	42·4	42·3	37·5	47·4	24·3	26th	59·6	10th	1·3	1·3	1·3	·244	·248	·246	89·2	89·6	89·4
December	29·810	38·1	38·1	38·1	33·5	42·6	23·5	12th	53·6	17th	1·4	1·5	1·5	·206	·203	·205	87·2	86·7	87·0
Year -	29·715	46·9	45·0	46·0	40·5	52·7	—	—	—	—	2·3	1·7	2·0	·281	·273	·277	83·9	87·6	85·8

LEDNATHIE.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	—	—	—	3·460	1·720	8th	15	2	0	0	—	—	6	6	0	4	4	2	9	19	11	7
February -	—	—	—	2·230	1·000	11th	21	19	3	0	—	—	7	6	6	3	0	1	4	5	27	4
March -	—	—	—	1·530	—	—	16	10	0	0	—	—	5	2	5	3	4	0	6	15	19	8
April -	—	—	—	6·310	1·200	30th	24	8	8	2	—	—	4	4	12	11	6	2	5	8	10	2
May -	—	—	—	2·040	·700	31st	11	0	1	5	—	—	1	1	3	12	18	5	8	2	1	12
June -	—	—	—	0·600	·410	2nd	6	0	0	5	—	—	1	0	4	8	11	8	10	10	3	6
July -	—	—	—	2·640	1·390	24th	12	0	0	3	—	—	1	8	4	7	12	3	3	6	13	6
August -	—	—	—	7·710	1·670	9th	23	0	0	1	—	—	4	2	6	3	4	2	8	18	14	5
September	—	—	—	0·750	·280	18th	13	0	1	0	—	—	5	2	5	5	9	2	4	12	15	6
October -	—	—	—	4·130	·900	6th	25	3	0	0	—	—	2	4	15	14	4	6	7	4	1	7
November -	—	—	—	0·890	·260	1st	10	4	0	0	—	—	3	4	0	1	4	1	7	22	11	10
December -	—	—	—	2·780	·960	23rd	13	5	1	0	—	—	6	0	1	0	1	4	8	25	10	13
Year -	—	—	—	35·070	—	—	189	51	14	16	—	—	45	39	61	71	77	36	79	146	135	86

LAUDALE.

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

				ins.	ins.																	
January -	8·6	7·9	8·3	9·590	1·220	28th	26	1	1	0	2	23	4	1	0	9	3	2	3	16	4	24
February -	8·1	7·8	8·0	6·490	1·500	12th	21	12	4	1	0	15	7	6	4	8	2	0	1	10	9	16
March -	7·8	7·9	7·9	5·140	·770	23rd	26	7	0	0	2	19	1	2	3	8	4	2	2	12	7	22
April -	7·2	7·4	7·3	3·450	·600	19, 26	14	6	7	1	0	14	0	6	7	19	3	1	7	5	7	5
May -	7·8	7·4	7·6	4·350	·910	7th	20	0	0	4	1	17	0	0	0	8	18	12	2	0	0	22
June -	6·5	6·2	6·4	1·750	·820	2nd	12	0	0	1	4	14	0	2	1	8	5	2	5	6	1	30
July -	7·8	6·6	7·2	1·550	·500	24th	14	0	0	0	3	14	0	12	2	6	2	3	3	4	6	24
August -	8·5	9·0	8·8	7·100	1·550	27th	26	0	2	0	0	24	0	1	3	1	2	0	10	11	8	26
September	7·9	6·9	7·4	3·700	·970	18th	18	0	4	0	1	15	0	11	0	6	4	4	4	6	6	19
October -	7·2	6·4	6·8	5·220	1·040	8th	16	0	0	0	2	13	1	4	0	19	7	5	6	2	3	16
November -	8·5	8·7	8·6	6·320	·980	24th	24	4	2	0	0	22	1	9	0	4	4	10	4	12	3	14
December -	7·9	7·5	7·7	11·740	1·440	12th	27	3	5	0	0	18	3	7	0	11	6	8	8	11	6	5
Year	7·8	7·5	7·7	66·400	—	—	244	33	25	7	15	208	17	61	20	107	60	49	55	95	60	223

DUNDEE.

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

				ins.	ins.																	
January -	8·5	8·5	8·5	1·220	·390	8th	17	1	0	0	0	20	2	0	3	0	9	3	11	31	5	0
February -	6·0	8·6	7·3	1·450	·350	25th	18	10	0	0	0	10	8	7	7	4	4	1	0	20	13	0
March -	7·7	8·7	8·2	1·740	·650	2nd	16	5	1	0	0	15	2	1	11	2	7	2	9	17	13	0
April -	9·1	9·4	9·3	3·730	·670	30th	23	2	2	0	0	23	8	0	12	11	10	5	7	5	10	0
May -	7·9	9·4	8·7	1·530	·390	28th	18	0	0	5	0	20	1	0	3	13	30	5	6	4	1	0
June -	7·0	6·7	6·9	0·810	·280	6th	6	0	0	2	3	13	0	2	6	6	17	6	14	8	1	0
July -	8·1	7·9	8·0	2·620	1·030	24th	11	0	0	3	1	16	1	3	14	7	11	1	8	8	10	0
August -	8·1	8·3	8·2	6·400	·990	9th	23	0	0	1	1	19	1	8	4	8	2	1	9	21	9	0
September	7·6	8·5	8·1	0·640	·250	18th	14	0	0	0	1	18	2	2	4	4	13	4	8	10	15	0
October -	8·5	9·1	8·8	2·700	·500	4th	21	0	0	0	0	21	2	1	15	2	17	1	9	13	4	0
November -	8·2	8·1	8·2	0·700	·350	22nd	6	1	0	0	2	20	4	1	2	2	4	0	13	26	12	0
December -	8·5	8·0	8·3	1·150	·250	20th	11	0	0	0	1	19	2	2	1	0	2	1	19	28	9	0
Year -	7·9	8·4	8·2	24·690	—	—	184	19	3	11	9	214	33	27	82	59	126	30	113	191	102	0

OCHTERTYRE

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·670	38·3	39·0	38·7	32·0	45·7	22·0	7th	56·5	18, 23	1·8	2·4	2·1	·196	·192	·194	85	81	83
February -	·461	35·1	36·3	35·7	30·4	45·1	**20·0**	**10th**	56·5	1st, 17th	2·0	2·5	2·3	·165	·169	·167	80	78	79
March -	·540	40·3	39·3	39·8	33·3	47·5	23·0	4th	61·5	29th	2·5	2·7	2·6	·200	·189	·195	80	79	80
April -	·380	43·7	42·0	42·9	36·8	50·3	30·0	24th	66·5	18th	3·4	3·3	3·4	·214	·202	·208	75	76	76
May -	·466	53·2	51·8	52·5	44·2	62·3	36·0	2nd	75·5	22nd	3·2	3·0	3·1	·320	·309	·315	79	80	80
June -	·705	58·4	55·1	56·8	47·9	68·9	37·0	11th	**81·5**	**22nd**	4·8	3·8	4·3	·352	·331	·342	72	76	74
July -	·536	57·5	54·3	55·9	47·5	67·2	39·0	18th	78·5	30th	4·4	3·1	3·8	·349	·336	·343	74	79	77
August -	·381	56·7	55·3	56·0	49·2	64·9	39·0	24th	77·5	1st	3·2	3·2	3·2	·365	·349	·357	79	80	80
September	·642	53·0	51·4	52·2	45·7	61·1	29·0	24th	72·5	13th	3·0	3·0	3·0	·322	·305	·314	80	80	80
October -	·310	43·8	44·5	44·2	37·9	53·0	31·0	29th	62·0	2nd	1·3	2·3	1·8	·257	·242	·250	90	83	87
November	·704	41·6	43·0	42·3	36·3	49·0	25·0	17th	62·5	10th	1·6	2·6	2·1	·229	·223	·226	88	80	84
December	29·624	37·9	37·7	37·8	31·6	44·1	21·0	12th	56·0	16, 17	1·5	2·3	1·9	·199	·183	·191	88	80	84
Year -	29·535	46·6	45·8	46·2	39·4	54·9	—	—	—	—	2·7	2·9	2·8	·264	·253	·259	80·8	79·3	80·1

CALLTON MOR

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·904	40·5	40·8	40·7	36·9	44·0	25·4	27th	51·3	18th	1·4	1·3	1·4	·222	·228	·225	89	90	90
February -	·729	38·2	37·1	37·7	32·4	42·6	21·4	11, 13	51·3	19,21,23	1·7	2·0	1·9	·197	·183	·190	86	83	85
March -	·780	40·7	38·6	39·7	34·9	46·1	**18·4**	**1st**	57·3	27th	2·3	1·7	2·0	·208	·201	·205	82	86	84
April -	·596	44·5	40·2	42·4	37·6	50·8	25·4	14th	55·3	21st	3·4	2·2	2·8	·221	·205	·213	75	83	79
May -	·644	54·5	53·1	53·8	47·2	62·9	37·4	26th	74·3	7th	3·4	3·3	3·4	·332	·316	·324	78	78	78
June -	·920	59·3	54·5	56·9	49·0	65·8	39·4	11th	**80·3**	**22nd**	4·7	2·8	3·8	·367	·347	·357	72	81	77
July -	·764	58·2	54·4	56·3	49·3	64·3	40·4	24th	79·3	5th	4·3	2·6	3·5	·363	·351	·357	75	83	79
August -	·626	56·1	54·1	55·1	49·4	62·2	43·4	31st	78·3	2nd	2·9	2·2	2·6	·369	·356	·363	81	84	83
September	·864	53·0	51·2	52·1	46·4	58·0	32·4	24, 25	70·3	2nd	2·4	3·2	2·8	·337	·297	·317	84	79	82
October -	·516	46·2	42·7	44·5	37·4	53·5	27·4	28th	57·3	2nd	1·8	1·4	1·6	·272	·244	·258	88	88	88
November	·938	45·1	44·5	44·8	40·4	49·6	28·4	27th	55·6	7th	0·7	1·0	0·9	·284	·273	·279	94	92	93
December	29·834	41·6	40·2	40·9	35·9	45·5	28·4	12th	54·3	1st	1·0	0·8	0·9	·242	·225	·234	93	89	91
Year -	29·760	48·2	46·0	47·1	41·4	53·8	—	—	—	—	2·5	2·0	2·3	·285	·269	·277	83·1	84·7	83·9

GLASGOW

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·852	39·4	40·1	39·8	36·2	44·0	26·3	2nd	52·1	18th	1·1	1·6	1·4	·222	·218	·220	90·7	87·1	88·9
February -	·652	36·7	36·9	36·8	33·3	42·4	**24·3**	**10th**	51·7	1st	1·9	2·3	2·1	·184	·178	·181	81·4	78·5	80·0
March -	·718	39·9	39·5	39·7	35·6	45·2	24·8	4th	52·9	29th	2·0	1·8	1·9	·210	·212	·211	83·0	84·5	83·8
April -	·534	44·3	42·3	43·3	38·6	48·7	32·1	14th	57·3	19th	3·5	2·5	3·0	·220	·219	·220	75·7	81·3	78·5
May -	·607	53·0	51·7	52·4	46·8	61·0	41·4	2nd	73·6	21st	3·2	2·8	3·0	·322	·313	·318	80·3	81·6	81·0
June -	·860	58·4	55·7	57·1	49·8	66·6	42·2	11th	**77·8**	**22nd**	4·8	3·3	4·1	·355	·353	·354	72·6	79·4	76·0
July -	·697	57·8	55·1	56·5	49·9	64·4	41·3	8th	75·2	31st	4·5	3·0	3·8	·355	·355	·355	74·0	81·5	77·8
August -	·557	56·3	54·5	55·4	51·2	61·7	42·6	31st	68·8	1st	3·0	2·4	2·7	·370	·361	·366	81·9	84·8	83·4
September	·807	52·4	50·7	51·6	46·9	58·5	33·9	22nd	68·3	10th	2·9	1·9	2·4	·327	·329	·328	81·5	86·6	84·1
October -	·467	45·0	45·5	45·3	41·2	50·9	34·3	29th	54·8	6th	1·7	1·7	1·7	·263	·268	·266	87·7	87·6	87·7
November	·892	44·1	43·8	44·0	40·1	48·3	28·1	26, 27	54·5	7th	1·5	1·5	1·5	·260	·259	·260	88·0	88·0	88·0
December	29·811	39·7	40·0	39·9	36·4	44·4	28·1	28th	52·4	18th	1·4	1·6	1·5	·219	·218	·219	87·9	86·5	87·2
Year -	29·705	47·3	46·3	46·8	42·2	53·0	—	—	—	—	2·6	2·2	2·4	·276	·274	·275	82·1	84·0	83·1

OCHTERTYRE.

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

1889.	Amount of Cloud. 9a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	6·0	6·6	6·3	2·080	·640	9th	12	1	0	0	2	8	1	3	1	10	1	3	5	29	5	5
February -	6·1	6·1	6·1	1·630	·250	14th	18	—	—	—	2	8	4	9	2	10	0	0	3	18	8	6
March	6·9	5·9	6·4	0·870	·240	7th	16	—	—	—	2	12	1	8	1	15	1	0	7	19	6	5
April -	7·5	6·4	7·0	3·170	·900	4th	18	0	0	1	1	13	0	3	9	22	0	0	4	10	8	4
May -	8·2	6·7	7·5	4·610	1·010	15th	16	0	0	8	1	16	0	0	3	33	2	1	14	3	1	5
June -	6·6	5·1	5·9	1·130	·560	3rd	9	0	0	4	4	9	0	0	2	22	1	0	12	12	1	10
July -	7·0	5·7	6·4	1·940	·640	25th	10	0	0	1	3	11	0	7	1	22	0	0	3	17	9	3
August -	7·9	6·9	7·4	4·940	**1·120**	**17th**	20	0	0	0	1	14	0	7	3	11	0	1	5	22	7	6
September	7·2	5·8	6·5	0·820	·250	19th	12	0	0	0	3	14	0	1	0	17	0	0	7	14	12	9
October -	7·9	7·5	7·7	3·770	·570	20th	21	0	0	1	1	17	1	2	6	28	2	2	10	6	2	4
November	6·7	7·4	7·1	1·660	·400	23rd	16	0	0	0	2	15	1	3	0	8	0	0	11	20	8	10
December	7·2	6·7	7·0	2·230	·550	24th	20	—	—	—	1	13	1	1	0	8	2	0	16	24	5	6
Year -	7·1	6·4	6·8	28·850	—	—	188	—	—	—	23	150	9	44	28	206	9	7	97	194	72	73

CALLTON MOR.

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

				ins.	ins.																	
January -	6·0	5·1	5·6	5·680	·860	7th	20	5	3	0	3	4	3	11	2	1	9	9	17	1	11	1
February -	4·9	4·9	4·9	3·110	·400	6th	22	8	7	0	2	3	10	19	5	2	2	0	8	0	20	0
March -	5·8	5·2	5·5	2·880	·540	30th	24	8	2	0	3	5	4	8	4	7	1	1	9	10	22	0
April -	5·1	4·5	4·8	1·690	·300	4th	21	2	3	0	1	2	7	3	9	17	10	0	11	2	8	0
May -	5·4	4·5	5·0	2·820	·450	8th	18	0	0	3	2	0	4	0	0	0	33	13	13	0	2	1
June -	4·3	4·4	4·4	1·160	·440	10th	10	0	0	2	4	0	2	2	4	1	9	8	21	4	11	0
July -	4·9	4·2	4·6	1·620	·340	15th	15	0	0	1	2	1	1	2	13	3	7	1	8	3	23	2
August -	6·0	5·4	5·7	4·950	1·190	19th	23	0	0	0	0	3	0	1	14	1	8	3	13	8	14	0
September	5·4	4·2	4·8	2·400	·780	18th	17	0	1	1	4	2	2	9	7	0	19	5	6	5	9	0
October -	4·0	3·9	4·0	4·960	·840	7th	18	0	0	0	2	0	3	12	12	6	19	1	2	4	6	0
November	5·9	5·9	5·9	4·060	·580	2nd	21	2	0	0	1	5	2	6	1	1	20	1	10	7	11	3
December	6·2	5·9	6·1	6·560	**1·230**	**9th**	21	1	4	1	1	2	8	4	0	1	13	5	23	10	6	0
Year -	5·3	4·8	5·1	41·890	—	—	230	26	20	8	25	27	46	77	71	40	150	47	141	54	143	7

GLASGOW.

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

				ins.	ins.																	
January -	8·6	8·4	8·5	2·065	·453	28th	17	0	1	0	1	21	0	3	6	4	3	12	19	12	3	0
February -	7·3	7·4	7·4	2·250	·370	13th	19	8	0	0	1	11	0	5	6	8	0	2	12	14	9	0
March -	8·6	7·6	8·1	1·305	·300	24th	19	1	1	0	0	19	0	2	7	9	1	3	15	22	3	0
April -	8·7	8·3	8·5	2·273	·770	3rd	19	0	0	0	0	20	0	4	13	13	1	9	7	7	6	0
May -	9·3	7·1	8·2	3·800	·710	14th	18	0	1	5	0	17	0	2	14	21	6	9	4	5	1	0
June -	7·8	6·7	7·3	0·975	·740	2nd	5	0	0	1	1	11	0	1	9	13	2	6	11	17	1	0
July -	8·2	8·0	8·1	2·377	·638	9th	17	0	0	0	0	18	0	3	10	13	1	3	12	16	4	0
August -	8·6	7·8	8·2	4·893	·985	19th	21	0	0	1	1	19	0	5	5	2	0	6	15	22	6	1
September	7·9	6·2	7·1	1·881	·720	18th	12	0	1	0	0	13	0	1	10	12	1	5	14	11	6	0
October -	8·6	8·4	8·5	3·325	·600	6th	17	0	1	0	0	20	2	8	14	14	1	11	5	6	2	1
November	8·6	7·9	8·3	2·430	**1·060**	**22nd**	13	2	0	0	0	22	0	1	5	4	3	13	13	17	3	1
December	8·7	8·6	8·7	2·988	·675	19th	21	3	2	0	0	20	0	1	5	5	4	19	18	8	1	1
Year -	8·4	7·7	8·1	30·562	—	—	198	14	7	7	4	211	2	36	104	118	23	98	145	157	45	4

ROSEWELL

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·288	38·4	38·5	38·5	33·4	43·3	25·0	27th	53·0	18th	0·8	1·0	0·9	·216	·213	·215	93	92	93
February -	·079	34·4	34·5	34·5	29·8	40·7	19·5	10th	52·2	1st	1·1	1·0	1·1	·177	·180	·179	88	90	89
March -	29·155	38·3	37·0	37·7	31·3	45·1	18·5	4th	54·0	13th	1·3	1·0	1·2	·205	·200	·203	89	91	90
April -	28·980	42·0	39·4	40·7	35·1	46·7	30·5	3rd	58·2	17th	2·0	1·0	1·5	·225	·222	·224	85	92	89
May -	29·094	52·2	49·1	50·7	43·9	60·6	39·0	27th	77·0	21st	2·5	1·7	2·1	·326	·306	·316	83	88	86
June -	·319	56·2	53·2	54·7	45·4	64·3	38·0	11th	75·0	27th	3·0	2·0	2·5	·367	·349	·358	81	86	84
July -	·145	55·8	52·6	54·2	46·6	62·9	39·0	9th	75·1	1st	3·4	1·7	2·6	·352	·350	·351	78	88	83
August -	·012	55·4	53·1	54·3	48·5	61·1	40·8	26th	76·5	1st	2·4	1·2	1·8	·371	·370	·371	85	91	88
September	29·264	52·0	48·1	50·1	42·7	57·9	33·0	21st	70·0	2nd	2·9	1·4	2·2	·313	·301	·307	81	90	86
October -	28·926	45·4	43·5	44·5	38·8	50·4	33·5	27th	55·2	10th	1·3	1·0	1·2	·273	·260	·267	91	92	92
November	29·311	44·2	42·5	43·4	34·4	48·8	20·0	26th	56·0	23rd	1·4	1·4	1·4	·259	·241	·250	89	89	89
December	29·252	38·3	37·8	38·1	30·0	45·1	21·0	28th	52·8	17th	0·9	1·1	1·0	·213	·206	·210	93	91	92
Year -	29·152	46·1	44·1	45·1	38·3	52·2	—	—	—	—	1·9	1·3	1·6	·275	·267	·271	86·3	90·0	88·2

ROTHESAY

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

January -	29·938	40·2	40·4	40·3	36·1	45·2	27·2	27th	55·0	18th	1·1	1·3	1·2	·226	·224	·225	91	90	91
February -	·750	37·5	37·2	37·4	33·3	44·0	23·2	10th	52·5	18th	1·9	2·0	2·0	·188	·184	·186	84	83	84
March -	·810	40·9	39·7	40·3	35·6	46·9	27·0	4th	54·5	31st	2·0	1·9	2·0	·215	·207	·211	85	84	85
April -	·626	45·1	41·7	43·4	38·2	50·7	28·0	16th	60·0	28th	3·5	2·2	2·9	·224	·219	·222	75	84	80
May -	·681	54·2	51·3	52·8	46·5	62·5	40·3	2nd	73·0	20th	3·2	2·2	2·7	·332	·322	·327	79	85	82
June -	·944	59·3	55·5	57·4	49·4	67·8	42·0	11th	79·0	21st	4·3	2·8	3·6	·377	·362	·370	74	82	78
July -	·788	58·6	54·2	56·4	49·1	66·3	40·0	8th	78·2	30th	3·7	2·1	2·9	·382	·361	·372	78	86	82
August -	·647	57·1	53·5	55·3	49·0	63·6	42·0	26th	72·3	1st	2·5	1·7	2·1	·393	·362	·378	84	89	87
September	·892	53·8	50·5	52·2	46·5	60·6	34·0	22nd	71·8	1st	2·3	1·5	1·9	·351	·328	·340	85	89	87
October -	·560	46·8	44·7	45·8	40·3	54·3	31·5	28th	63·0	1st	1·5	1·5	1·5	·284	·262	·273	89	89	89
November	·975	44·2	43·7	44·0	39·3	49·5	25·5	28th	55·8	7th	1·2	0·9	1·1	·263	·265	·264	91	92	92
December	29·888	41·1	40·6	40·9	36·5	46·1	29·0	28th	53·3	17th	1·4	1·4	1·4	·228	·223	·226	89	89	89
Year -	29·792	48·2	46·1	47·2	41·7	54·8	—	—	—	—	2·4	1·8	2·1	·289	·277	·283	83·7	86·8	85·3

MARCHMONT

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

January -	29·516	38·2	36·4	37·3	33·3	43·5	26·0	27th	53·0	31st	1·1	0·9	1·0	·208	·199	·204	91	93	92
February -	·273	34·1	33·1	33·6	30·2	41·4	16·0	10th	54·0	1st	1·0	0·6	0·8	·177	·176	·177	89	93	91
March -	·367	38·1	35·7	36·9	32·1	45·1	15·0	4th	59·0	24th	2·0	1·0	1·5	·191	·192	·192	83	91	87
April -	·216	41·7	39·0	40·4	36·0	47·3	30·0	3rd	61·0	18th	2·0	1·2	1·6	·223	·214	·219	86	90	88
May -	·298	52·5	48·0	50·3	43·6	61·6	39·0	30th	75·0	21st	2·9	1·4	2·2	·319	·299	·309	81	90	86
June -	·535	57·1	51·9	54·5	47·2	66·2	37·0	11th	77·0	26th	4·7	2·2	3·5	·336	·329	·333	72	86	79
July -	·373	56·3	50·5	53·4	47·6	63·8	39·0	8th	78·0	30th	3·8	1·5	2·7	·349	·328	·339	76	89	83
August -	·240	56·4	49·9	53·2	47·6	62·7	41·0	31st	72·0	1st	3·6	1·4	2·5	·355	·323	·339	78	91	85
September	·481	50·9	46·7	48·8	42·9	58·4	35·0	23rd	68·0	6th	2·3	1·4	1·9	·315	·286	·301	85	90	88
October -	·149	44·3	42·8	43·6	39·9	50·6	33·0	9th	57·0	6th	0·8	0·8	0·8	·273	·257	·265	94	94	94
November	·548	41·1	39·7	40·4	35·9	47·9	26·0	28th	59·0	10th	0·8	0·8	0·8	·242	·228	·235	94	93	94
December	29·468	36·7	35·5	36·1	31·3	42·8	22·0	29th	53·0	9th	0·4	0·4	0·4	·210	·200	·205	97	96	97
Year -	29·372	45·6	42·4	44·0	39·0	52·6	—	—	—	—	2·1	1·1	1·6	·267	·253	·260	85·5	91·3	88·4

ROSEWELL.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	7·2	6·0	6·6	0·840	·200	28th	12	1	0	0	1	8	5	1	1	1	5	2	32	18	2	0
February -	6·1	6·2	6·2	1·500	·260	13th	16	11	0	0	1	7	6	1	7	0	5	0	16	6	21	0
March -	7·0	7·0	7·0	1·160	·390	20th	13	1	0	0	1	13	3	2	4	4	0	0	23	21	8	0
April -	8·0	7·7	7·9	3·040	·740	24th	23	1	0	0	1	16	2	0	9	12	8	0	21	5	5	0
May -	5·5	4·3	4·9	1·670	·410	27th	15	0	0	0	7	7	0	0	17	6	3	10	14	8	4	0
June -	6·2	4·5	5·4	1·410	·890	6th	7	0	0	2	5	7	0	0	12	9	2	2	15	19	1	0
July -	7·3	6·6	7·0	4·780	1·330	9th	17	0	0	1	1	10	0	2	12	5	1	4	10	13	14	0
August -	7·8	8·2	8·0	5·320	1·040	19th	26	0	0	1	1	12	2	1	6	1	1	3	28	11	11	0
September -	6·0	5·1	5·6	1·160	·440	18th	13	0	0	0	4	5	2	2	5	5	10	1	16	11	10	0
October -	8·0	7·5	7·8	3·910	·450	22nd	26	0	0	0	0	12	2	0	12	8	6	0	31	4	1	0
November -	5·4	5·5	5·5	0·680	·180	2nd	10	1	0	0	1	4	1	0	1	0	1	1	36	13	8	0
December -	6·4	5·3	5·9	2·000	·720	19th	15	1	0	0	1	5	5	1	0	0	1	0	40	10	10	0
Year -	6·7	6·2	6·5	27·470	—	—	193	16	0	4	24	106	28	10	86	52	43	23	282	139	95	0

ROTHESAY.

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

January -	7·4	7·6	7·5	3·540	·680	8th	22	1	0	0	3	9	0	1	3	2	7	8	15	10	10	6
February -	6·0	6·6	6·3	3·300	·540	13th	21	3	1	1	3	7	1	4	6	5	1	1	5	15	13	6
March -	7·0	8·0	7·5	1·970	·350	29th	19	1	0	0	0	13	2	0	9	6	5	6	4	14	14	4
April -	7·3	7·8	7·6	2·580	·780	3rd	17	2	1	0	1	9	0	4	13	13	3	5	7	7	6	2
May -	6·7	6·0	6·4	3·350	·740	7th	18	0	0	8	0	7	0	0	13	18	7	12	3	6	1	2
June -	5·2	5·3	5·3	1·320	·530	2nd	10	0	0	1	6	6	0	2	10	8	4	9	4	16	4	3
July -	6·5	5·5	6·0	2·290	·840	9th	12	0	0	0	1	3	0	2	14	6	2	2	12	19	5	0
August -	8·4	7·6	8·0	6·350	1·380	19th	24	0	0	0	0	10	0	1	6	0	2	9	5	23	9	7
September	7·1	5·4	6·3	2·390	·750	18th	14	1	1	0	0	6	0	1	15	3	1	6	5	11	10	8
October -	6·7	6·2	6·5	4·030	·830	6th	21	0	0	1	2	6	2	2	16	8	4	3	6	4	4	15
November	7·7	7·4	7·6	3·300	·730	1st	25	2	1	0	3	10	0	2	2	0	3	9	9	13	12	10
December	8·0	7·9	8·0	4·940	·620	6th	27	1	0	0	0	8	1	2	2	2	12	12	10	13	4	5
Year -	7·0	6·8	6·9	39·360	—	—	230	11	4	11	19	94	6	21	109	71	51	82	85	151	92	68

MARCHMONT.

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

January -	7·2	6·5	6·9	0·820	·100	10th	17	1	0	0	1	10	8	9	1	3	0	5	7	20	12	5
February -	6·8	6·3	6·6	2·370	·370	3rd	24	15	2	0	2	8	8	23	5	3	0	0	3	14	7	1
March -	7·8	7·6	7·7	2·960	·850	19th	15	5	2	0	0	13	3	16	10	0	0	0	3	17	15	1
April -	8·8	7·4	8·1	4·440	·870	4th	21	5	6	1	1	19	4	10	10	12	3	4	6	12	2	1
May -	7·6	8·1	7·9	2·200	·630	24th	15	0	0	7	2	21	0	5	2	12	0	10	9	10	1	13
June -	6·9	5·4	6·2	0·860	·480	2nd	9	0	1	2	3	7	0	12	7	6	0	3	3	17	1	11
July -	7·9	7·6	7·8	4·870	1·120	9th	16	0	3	5	1	16	0	6	2	11	1	7	3	23	5	4
August -	7·7	7·9	7·8	4·320	1·000	19th	22	0	0	4	1	15	5	8	2	2	3	1	7	32	5	2
September	7·4	7·7	7·6	1·560	·450	18th	13	0	0	0	2	16	5	8	2	9	4	3	5	15	9	5
October -	8·7	8·0	8·4	5·700	·950	12th	29	0	0	0	0	20	4	6	9	18	2	3	3	14	2	5
November	7·2	7·0	7·1	0·770	·150	1st	11	1	0	0	2	15	2	14	0	4	0	3	1	31	7	0
December	7·1	7·3	7·2	1·500	·340	6th	17	2	2	0	0	15	6	6	0	1	0	2	4	39	9	1
Year -	7·6	7·2	7·4	32·370	—	—	209	29	16	19	15	175	45	123	50	81	13	41	54	244	75	49

WOLFELEE

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·414	36·7	37·1	36·9	30·2	42·1	18·0	27th	49·8	19th	0·9	1·1	1·0	·202	·201	·202	90·2	89·7	90·0
February -	·186	33·7	33·3	33·5	26·9	41·7	14·5	12th	52·8	1st	1·3	1·0	1·2	·170	·174	·172	86·1	89·4	87·8
March -	·263	38·2	36·9	37·6	29·7	44·6	13·0	4th	54·4	14th	1·5	1·1	1·3	·205	·201	·203	87·4	88·6	88·0
April -	·080	42·3	40·4	41·4	34·1	49·1	27·0	3, 15	64·0	18th	2·1	1·3	1·7	·229	·227	·228	84·6	89·1	86·9
May -	·179	53·9	50·4	52·2	43·0	65·8	33·5	26th	81·2	22nd	3·5	1·7	2·6	·328	·324	·326	79·1	88·1	83·6
June -	·420	59·7	53·1	56·4	43·8	69·9	28·0	11th	79·7	27th	4·3	1·9	3·1	·387	·355	·371	75·3	87·4	81·4
July -	·252	57·1	52·7	54·9	44·6	65·4	33·0	8th	77·7	31st	3·6	2·1	2·9	·367	·347	·357	78·7	86·3	82·5
August -	·127	56·0	53·5	54·8	45·9	64·7	34·5	31st	80·2	1st	2·8	1·5	2·2	·371	·372	·372	82·8	90·2	86·5
September	·361	51·4	48·0	49·7	40·7	61·7	26·0	22nd	72·2	7th	2·6	1·5	2·1	·323	·305	·314	82·8	89·1	86·0
October -	·023	44·0	43·7	43·9	37·1	50·6	28·8	14th	58·5	7th	0·9	0·9	0·9	·268	·266	·267	93·0	93·4	93·2
November	·446	41·7	40·8	41·3	34·6	47·1	22·0	28th	56·5	11th	1·4	1·2	1·3	·240	·236	·238	89·0	89·2	89·1
December	29·372	37·0	35·8	36·4	29·6	42·4	20·0	12th	52·0	10th	1·2	1·0	1·1	·199	·193	·196	87·9	89·1	88·5
Year -	29·260	46·0	43·8	44·9	36·7	53·8	—	—	—	—	2·2	1·4	1·8	·274	·267	·271	84·7	89·1	86·9

PINMORE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·874	38·4	39·0	38·7	33·4	44·2	19·5	2nd	53·0	18th	0·9	1·2	1·1	·214	·214	·214	93	90	92
February -	·690	37·0	37·0	37·0	32·4	44·6	16·9	11th	56·0	1st	1·4	1·5	1·5	·193	·191	·192	88	87	88
March -	·738	39·8	39·4	39·6	34·3	46·9	19·5	2nd	54·9	31st	1·9	1·5	1·7	·208	·212	·210	85	88	87
April -	·522	44·9	41·6	43·3	36·5	50·8	28·0	15th	61·0	30th	3·4	1·9	2·7	·225	·224	·225	76	86	81
May -	·598	56·2	51·3	53·8	46·0	63·2	36·7	27th	75·0	6th	4·2	2·1	3·2	·337	·324	·331	74	85	80
June -	·856	61·4	54·2	57·8	46·5	68·4	34·5	11th	79·0	21st	5·4	2·1	3·8	·379	·361	·370	70	86	78
July -	·700	58·9	53·9	56·4	46·9	66·0	37·0	24th	78·0	4th	3·8	1·5	2·7	·384	·373	·379	77	90	84
August -	·573	57·2	53·4	55·3	49·6	62·8	36·4	31st	70·0	1st	2·4	1·3	1·9	·397	·371	·384	85	91	88
September	·815	54·7	51·1	52·9	45·7	60·8	30·5	25th	73·0	1st	2·4	1·3	1·9	·360	·342	·351	84	91	88
October -	·460	44·1	42·7	43·4	37·3	52·8	26·5	29th	59·0	2nd	1·7	1·4	1·6	·251	·244	·248	86	88	87
November	·909	43·6	43·4	43·5	39·0	49·5	24·5	17th	54·0	16th	1·2	1·2	1·2	·257	·255	·256	90	91	91
December	29·822	40·0	40·3	40·2	35·2	45·4	25·0	28th	52·2	18th	1·4	1·4	1·4	·218	·221	·220	89	89	89
Year -	29·713	48·0	45·6	46·8	40·2	54·6	—	—	—	—	2·5	1·5	2·0	·285	·278	·282	83·1	88·5	85·8

GLENLEE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·850	38·0	39·8	38·9	33·5	44·1	20·0	27th	53·8	31st	1·1	1·3	1·2	·206	·219	·213	90	90	90
February -	·640	36·4	36·3	36·4	31·0	42·8	10·0	20th	53·0	1st	1·8	1·5	1·7	·182	·186	·184	84	87	86
March -	·698	39·7	38·7	39·2	33·3	45·7	14·0	4th	54·0	29th	2·2	1·5	1·9	·202	·206	·204	82	88	85
April -	·496	44·6	41·9	43·3	36·7	48·9	28·0	26th	57·0	20, 28	3·1	2·0	2·6	·228	·226	·227	78	86	82
May -	·573	54·7	52·0	53·4	44·5	62·4	35·7	27th	75·0	21st	3·4	2·4	2·9	·336	·325	·331	78	84	81
June -	·829	60·7	55·5	58·1	46·4	67·6	32·5	11th	77·0	21st	5·1	2·5	3·8	·377	·370	·374	71	84	78
July -	·669	58·7	55·0	56·9	47·1	65·1	35·4	9th	72·7	30th	4·3	2·2	3·3	·368	·370	·369	74	86	80
August -	·546	57·7	53·6	55·7	48·8	61·8	37·0	31st	70·0	1st	3·0	1·7	2·4	·390	·363	·377	81	88	85
September	·780	54·3	50·3	52·3	45·8	60·0	30·0	21, 22	70·3	4th	2·9	1·4	2·2	·341	·329	·335	80	90	85
October -	·429	44·9	44·0	44·5	37·8	51·7	26·2	26th	56·2	11th	1·9	1·3	1·6	·254	·259	·257	86	90	88
November	·878	43·5	43·4	43·5	37·4	48·8	20·0	28th	58·0	9th	1·4	0·9	1·2	·251	·262	·257	89	93	91
December	29·802	38·6	39·4	39·0	32·7	43·9	20·7	4th	53·0	18th	1·3	1·0	1·2	·209	·222	·216	90	92	91
Year -	29·683	47·7	45·8	46·8	39·6	53·6	—	—	—	—	2·6	1·6	2·1	·279	·278	·279	81·9	88·2	85·1

1/ 25·2·94.

WOLFELEE.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	—	—	—	1·620	·400	18th	14	0	0	0	—	—	—	1	5	1	0	6	41	3	5	0
February -	—	—	—	1·980	·450	11th	17	6	0	0	—	—	—	4	9	3	4	2	14	9	11	0
March -	—	—	—	3·240	1·140	20th	9	3	0	0	—	—	—	2	3	7	7	2	18	13	10	0
April -	—	—	—	2·580	·510	3rd	20	2	0	2	—	—	—	3	15	13	7	0	15	6	1	0
May -	—	—	—	1·820	·440	10th	12	0	0	9	—	—	—	3	20	3	6	6	15	7	2	0
June -	—	—	—	0·470	·450	2nd	2	0	0	2	—	—	—	3	12	3	11	3	12	12	4	0
July -	—	—	—	2·970	·700	10th	13	0	0	2	—	—	—	5	10	7	3	1	13	15	8	0
August -	—	—	—	3·760	·690	19th	18	0	0	0	—	—	—	5	0	0	2	4	20	17	14	0
September	—	—	—	1·720	·510	18th	7	0	1	0	—	—	—	6	7	0	1	2	18	9	17	0
October -	—	—	—	6·630	·870	22nd	26	0	0	0	—	—	—	1	16	2	7	7	23	6	0	0
November	—	—	—	1·030	·380	1st	8	1	0	0	—	—	—	3	0	2	0	0	40	11	4	0
December	—	—	—	3·280	1·360	19th	16	2	0	0	—	—	—	1	1	1	4	3	35	14	3	0
Year -	—	—	—	31·100	—	—	162	14	1	15	—	—	—	37	98	42	52	36	264	122	79	0

PINMORE.

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

				ins.	ins.																	
January -	8·8	7·7	8·3	4·150	·580	8th	20	0	0	0	1	20	4	3	0	0	5	5	3	5	5	36
February -	7·1	7·5	7·3	3·040	·440	6th	17	3	1	0	1	10	7	5	4	0	1	0	3	2	17	24
March -	8·3	7·1	7·7	3·190	·360	24, 29	19	1	0	0	2	15	1	4	3	5	7	2	3	3	9	26
April -	8·3	7·3	7·8	2·430	·530	3rd	18	1	1	0	0	8	3	0	7	7	8	4	3	4	5	22
May -	7·7	7·2	7·5	3·760	·580	14th	19	0	0	4	0	14	2	1	0	0	1	15	5	9	1	30
June -	6·5	6·6	6·6	1·020	·560	2nd	7	0	0	1	0	8	1	1	1	0	0	6	2	0	6	44
July -	8·4	7·1	7·8	3·870	1·800	10th	12	0	0	0	0	12	0	6	0	0	0	4	2	5	8	37
August -	8·5	8·4	8·5	5·720	1·330	19th	22	0	0	0	0	17	1	1	0	0	0	6	1	11	8	35
September	7·7	5·6	6·7	3·370	1·140	18th	14	0	2	0	1	8	1	6	0	0	2	5	3	0	13	31
October -	7·0	6·5	6·8	4·740	1·120	6th	18	0	0	0	2	10	3	1	7	1	6	4	0	6	3	34
November	8·7	8·1	8·4	3·490	·810	1st	19	2	1	1	2	19	4	2	0	0	3	9	4	4	2	36
December	8·5	7·9	8·2	5·620	1·000	23rd	23	2	1	1	0	12	5	1	0	3	5	6	7	7	2	31
Year -	8·0	7·3	7·7	44·400	—	—	208	9	6	7	9	153	32	31	22	16	38	66	36	56	79	386

GLENLEE.

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

				ins.	ins.																	
January -	—	—	—	4·550	·910	8th	18	0	0	0	—	—	0	0	0	1	5	10	14	10	2	20
February -	—	—	—	4·010	·830	13th	16	5	3	0	—	—	5	5	2	1	0	0	11	10	14	13
March -	—	—	—	3·250	1·150	6th	19	4	0	0	—	—	2	4	1	4	1	4	12	14	3	19
April -	—	—	—	3·300	·750	3rd	19	1	2	0	—	—	3	4	15	8	2	4	11	3	6	7
May -	—	—	—	4·370	·580	10, 13	20	0	0	5	—	—	0	0	1	14	6	16	2	0	0	23
June -	—	—	—	0·860	·380	2nd	10	0	0	2	—	—	0	15	5	2	2	6	7	8	3	12
July -	—	—	—	5·060	1·070	10th	14	0	0	3	—	—	0	2	3	2	2	3	8	5	7	30
August -	—	—	—	5·370	1·300	19th	24	0	0	0	—	—	0	0	2	0	0	4	22	12	10	12
September	—	—	—	2·070	·680	18th	14	0	0	0	—	—	2	0	0	3	3	3	6	14	7	24
October -	—	—	—	5·710	1·450	6th	23	0	0	1	—	—	1	2	4	5	1	5	7	6	2	30
November	—	—	—	4·260	1·250	1st	21	2	0	0	—	—	1	3	0	0	3	13	8	8	3	22
December	—	—	—	6·810	1·190	23rd	23	2	0	1	—	—	2	0	0	3	5	12	9	9	1	23
Year -	—	—	—	49·620	—	—	221	14	5	12	—	—	16	35	33	43	30	80	117	99	58	235

CRAMLINGTON

Long. 1° 35′ W. Lat. 55° 5′ N. Height above Mean Sea Level, 255 feet. Gravity Correction, +·025.

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·796	39·3	37·5	38·4	32·4	44·0	24·0	27th	54·0	18, 31	1·5	1·1	1·3	·210	·203	·207	88	90	89
February -	·529	36·5	35·2	35·9	30·1	42·0	17·0	10th	57·0	18th	1·9	1·6	1·8	·180	·174	·177	83	85	84
March -	·621	39·4	37·7	38·5	31·9	45·5	9·8	4th	56·8	29th	2·1	1·3	1·7	·200	·200	·200	83	88	86
April -	·447	43·3	40·8	42·1	36·4	47·7	29·4	2, 3	59·3	18th	2·3	1·4	1·8	·231	·225	·228	83	88	85
May -	·544	51·5	48·2	49·8	44·1	58·0	39·2	2nd	75·4	22nd	2·1	1·2	1·7	·327	·307	·317	86	91	89
June -	·783	58·1	54·3	56·2	48·5	63·8	40·4	11th	78·9	26th	3·7	1·9	2·8	·375	·367	·371	78	87	82
July -	·602	57·1	54·3	55·7	47·8	63·0	40·0	8, 9	75·0	6th	3·0	1·1	2·0	·378	·389	·383	81	92	87
August -	·472	56·5	53·8	55·2	48·9	63·5	42·0	25, 26	73·0	1st	2·0	1·1	1·6	·399	·382	·391	87	92	89
September	·716	52·7	49·7	51·2	45·0	59·6	30·0	22nd	72·5	10th	2·2	1·4	1·8	·339	·321	·330	85	90	88
October -	·373	45·8	45·9	45·8	41·2	51·6	35·0	11, 15	59·0	6th	1·1	1·2	1·1	·283	·281	·282	92	91	91
November	·818	41·8	41·1	41·5	35·4	48·5	25·0	26th	60·2	10th	1·1	1·1	1·1	·241	·234	·237	91	91	91
December	29·755	37·3	36·2	36·7	30·2	42·9	22·2	29th	53·0	17, 18	1·2	1·3	1·3	·199	·188	·194	89	88	89
Year -	29·621	46·6	44·6	45·6	39·3	52·5	—	—	—	—	2·0	1·3	1·7	·280	·273	·276	85·5	89·4	87·5

CARGEN

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·990	39·4	40·4	39·9	34·4	44·5	22·8	27th	53·6	31st	1·0	1·1	1·1	·222	·228	·225	92	91	92
February -	·776	36·9	37·5	37·2	31·3	43·5	20·8	10th	52·8	1st	1·6	1·7	1·7	·189	·191	·190	87	85	86
March -	·842	40·3	40·0	40·2	33·2	47·0	19·0	4th	55·8	16th	1·8	1·5	1·7	·214	·217	·216	86	88	87
April -	·650	44·3	43·1	43·7	37·0	49·9	30·0	15th	60·0	17th	2·5	2·0	2·3	·237	·235	·236	81	84	83
May -	·728	55·1	53·8	54·5	45·6	63·5	39·0	27th	76·4	21st	3·0	2·5	2·8	·351	·345	·348	81	83	82
June -	·965	60·0	57·8	58·9	47·8	69·1	35·2	11th	80·8	22nd	4·1	2·9	3·5	·392	·394	·393	76	82	79
July -	·807	59·6	56·7	58·2	47·8	66·8	39·0	8th	76·8	31st	3·6	2·3	3·0	·400	·392	·396	78	85	82
August -	·685	57·8	55·8	56·8	49·6	63·8	40·0	31st	70·2	1st	2·6	1·9	2·3	·401	·392	·397	83	87	85
September	·924	53·5	52·7	53·1	45·3	61·1	29·8	22nd	73·2	4th	2·1	1·9	2·0	·351	·347	·349	86	88	87
October -	29·576	46·5	46·3	46·4	39·8	53·1	30·0	26th	58·6	5th	1·7	1·3	1·5	·277	·283	·280	88	91	90
November	30·048	43·8	43·9	43·9	38·2	49·2	22·6	27th	58·6	10th	1·3	1·0	1·2	·257	·265	·261	90	92	91
December	29·962	38·3	39·7	39·0	33·5	44·5	23·6	28th	53·0	9th	1·0	1·0	1·0	·211	·224	·218	92	82	87
Year -	29·829	48·0	47·3	47·7	40·3	54·7	—	—	—	—	2·2	1·8	2·0	·292	·293	·293	85·0	86·5	85·8

DURHAM

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·708	37·8	38·0	37·9	33·2	43·4	25·3	3rd	53·7	31st	0·9	1·1	1·0	·212	·209	·211	92·1	90·7	91·4
February -	·447	36·2	34·9	35·6	31·1	42·1	21·6	10th	55·0	1st	2·0	1·4	1·7	·177	·176	·177	80·2	84·1	82·2
March -	·537	39·4	37·6	38·5	32·6	46·3	10·7	4th	59·8	24th	2·2	1·5	1·9	·203	·199	·201	80·6	85·9	83·3
April -	·352	44·1	41·0	42·6	36·6	49·5	30·4	3rd	65·6	18th	2·2	1·1	1·7	·245	·237	·241	84·9	91·6	88·3
May -	·458	53·5	50·1	51·8	44·7	62·6	37·2	26th	74·8	22nd	2·7	1·3	2·0	·342	·333	·338	84·1	91·3	87·7
June -	·690	60·3	54·7	57·5	48·2	68·1	39·5	11th	79·7	26th	4·1	1·8	3·0	·402	·380	·391	77·1	88·6	82·9
July -	·513	59·1	54·9	57·0	49·1	66·9	40·9	8th	80·2	6th	4·2	1·6	2·9	·383	·389	·386	76·5	89·5	83·0
August -	·397	58·2	54·5	56·4	50·7	64·9	42·8	25th	74·2	1st	3·2	1·6	2·4	·391	·383	·387	80·7	90·0	85·4
September	·635	53·4	50·8	52·1	46·1	60·3	32·9	23rd	71·2	10th	2·3	1·5	1·9	·356	·343	·350	85·0	89·6	87·3
October -	·289	46·2	45·8	46·0	41·4	52·1	34·2	11th	58·6	11th	1·0	0·8	0·9	·291	·290	·291	92·8	93·8	93·3
November	·740	41·7	42·1	41·9	36·6	47·8	27·6	28th	58·8	10th	1·0	1·1	1·1	·246	·250	·248	91·1	90·7	90·9
December	29·687	37·3	36·7	37·0	31·7	42·3	24·5	29th	54·0	18th	1·3	1·3	1·3	·201	·195	·198	88·0	87·0	87·5
Year -	29·538	47·3	45·1	46·2	40·2	53·9	—	—	—	—	2·3	1·3	1·8	·287	·282	·285	84·4	89·4	86·9

CRAMLINGTON.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	7·2	5·6	6·4	1·170	·270	9th	17	1	0	0	2	11	0	4	4	1	1	3	11	23	15	0
February -	7·0	5·9	6·5	1·470	·280	1st	17	16	4	0	2	11	0	15	8	5	3	0	2	7	16	0
March -	7·1	6·4	6·7	2·590	·920	19th	17	8	0	0	0	12	1	7	7	5	4	3	5	14	17	0
April -	8·2	7·3	7·8	2·880	·470	30th	23	2	2	0	1	18	0	7	8	13	6	8	5	5	8	0
May -	8·4	7·0	7·7	1·430	·340	27th	16	0	0	7	1	15	0	1	8	12	11	20	9	0	1	0
June -	6·1	5·2	5·6	0·310	·150	9th	4	0	0	0	2	6	0	2	17	5	6	6	8	11	5	0
July -	7·1	6·5	6·8	3·210	·610	25th	14	0	0	3	0	8	0	7	14	3	5	6	4	10	13	0
August -	7·5	6·8	7·2	3·930	·900	19th	21	0	0	2	0	11	0	6	0	0	3	6	7	22	17	1
September	7·2	5·0	6·1	1·460	·340	11th	13	0	1	0	5	9	0	14	3	3	8	3	8	8	12	1
October -	7·9	7·0	7·4	4·970	·620	12th	25	0	1	1	0	14	0	6	3	13	6	4	11	14	5	0
November	7·6	4·1	5·9	0·980	·280	4th	11	2	0	0	2	7	0	2	0	0	0	8	18	9	22	1
December	7·0	5·6	6·3	1·570	·690	6th	14	0	1	0	1	8	0	1	1	0	2	8	15	24	11	0
Year -	7·4	6·0	6·7	25·970	—	—	192	29	9	13	16	130	1	72	73	60	55	75	103	147	142	3

CARGEN.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	6·3	6·0	6·2	2·620	·640	28th	14	0	0	0	0	5	1	6	1	11	0	4	11	22	7	0
February -	5·3	4·5	4·9	1·680	·380	13th	12	3	0	0	2	4	4	12	14	6	0	4	2	14	4	0
March -	5·5	5·0	5·3	3·120	1·780	6th	11	2	1	0	4	3	3	6	18	2	3	7	9	7	10	0
April -	5·9	6·3	6·1	2·690	·530	3rd	16	0	1	0	0	3	1	5	2	26	7	3	4	10	3	0
May -	5·4	5·2	5·3	3·330	·680	10th	15	0	0	3	0	1	0	0	2	19	15	12	2	9	3	0
June -	4·6	4·8	4·7	2·140	1·390	6th	5	0	0	2	0	2	0	4	2	26	1	4	14	6	3	0
July -	4·6	4·4	4·5	3·760	·980	10th	14	0	0	3	1	1	0	5	9	14	4	4	2	8	16	0
August -	5·7	5·6	5·7	4·460	·760	19th	24	0	0	3	0	1	0	14	6	1	4	4	18	11	4	0
September	4·7	3·6	4·2	1·800	·660	18th	11	0	0	0	5	2	0	3	8	8	11	4	12	6	8	0
October -	5·5	5·6	5·6	5·510	·980	6th	21	0	0	1	1	5	0	1	6	23	9	4	9	6	4	0
November	6·4	6·1	6·3	2·060	·660	1st	13	2	0	0	3	9	1	7	3	5	4	8	16	7	10	0
December	5·7	6·4	6·1	3·900	·570	31st	18	1	0	0	0	6	2	4	2	0	7	9	11	14	15	0
Year -	5·5	5·3	5·4	37·070	—	—	174	8	2	12	16	42	12	67	73	141	65	67	110	120	87	0

DURHAM.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	8·5	7·1	7·8	0·809	·216	9th	15	5	0	0	1	18	0	3	4	1	1	14	10	8	8	13
February -	7·6	6·7	7·2	1·027	·237	3rd	17	15	1	0	2	13	2	7	3	5	0	2	3	14	16	6
March -	8·5	7·7	8·1	2·267	·895	8th	11	8	0	0	0	19	1	6	9	2	2	7	6	12	11	7
April -	9·3	8·8	9·1	2·135	·351	4th	18	2	1	2	0	22	0	6	8	16	1	3	9	5	6	6
May -	8·5	8·6	8·6	1·502	·333	27th	13	0	0	9	1	23	0	1	9	6	3	12	2	1	1	27
June -	7·7	6·6	7·2	0·374	·233	9th	6	0	0	2	0	11	0	1	4	2	2	4	1	1	1	44
July -	8·7	8·2	8·5	2·675	·660	21st	16	0	1	4	0	20	0	8	2	2	2	2	3	9	4	30
August -	8·7	8·2	8·5	3·223	·416	19th	20	0	0	3	0	22	0	2	1	0	0	4	9	7	3	36
September	8·2	6·6	7·4	0·838	·263	24th	11	0	0	0	4	17	0	4	0	0	0	2	2	5	13	34
October -	9·2	9·3	9·3	3·712	·575	22nd	25	0	0	1	0	25	0	2	5	8	2	8	6	4	3	24
November	8·4	6·4	7·4	0·899	·285	14th	14	2	0	0	1	16	1	0	0	0	0	13	10	10	11	16
December	7·7	7·0	7·4	1·190	·544	6th	12	5	0	0	0	14	1	2	0	0	0	16	16	9	6	13
Year -	8·4	7·6	8·0	20·651	—	—	178	37	3	21	9	220	5	42	45	42	13	87	77	85	83	256

NEWTON REIGNY

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·469	37·5	37·4	37·5	32·9	42·6	21·6	3rd	52·0	18, 31	0·4	0·7	0·6	·220	·213	·217	96·0	94·3	95·2
February -	·235	35·0	34·9	35·0	30·1	41·1	19·0	11th	52·3	1st	1·0	1·0	1·0	·187	·184	·186	89·8	88·6	89·2
March -	·300	39·1	38·2	38·7	32·9	45·0	**17·3**	**3rd**	55·8	24th	1·4	1·0	1·2	·216	·215	·216	88·2	91·2	89·7
April -	·099	43·6	41·9	42·8	36·9	49·1	29·9	15th	59·5	17th	2·1	1·1	1·6	·240	·244	·242	84·3	91·1	87·7
May -	·192	53·9	51·7	52·8	44·3	63·0	35·2	2nd	76·0	21st	2·4	1·1	1·8	·355	·358	·357	85·5	92·5	89·0
June -	·437	58·5	55·5	57·0	45·5	68·1	33·4	11th	**77·0**	**2nd**	3·6	2·3	3·0	·388	·381	·385	79·2	86·1	82·7
July -	·274	57·5	54·5	56·0	46·6	65·6	36·9	3rd	76·7	31st	3·9	2·2	3·1	·365	·367	·366	76·8	86·0	81·4
August -	·164	56·9	53·5	55·2	49·4	62·7	42·0	31st	71·8	1st	2·8	1·7	2·3	·385	·363	·374	83·2	88·1	85·7
September	·395	52·5	50·3	51·4	43·2	60·1	28·2	22nd	71·0	5th	2·3	1·5	1·9	·345	·335	·340	85·0	89·7	87·4
October -	·036	44·9	45·2	45·1	39·5	51·2	26·2	26th	56·2	5th	1·1	1·1	1·1	·275	·277	·276	91·8	92·0	91·9
November	·504	41·4	42·0	41·7	36·2	47·9	24·0	28th	58·1	7th	0·6	0·7	0·7	·254	·260	·257	95·2	94·9	95·1
December	29·441	36·7	36·8	36·8	31·4	42·0	24·0	14th	51·5	9th	0·6	0·6	0·6	·211	·209	·210	94·5	93·1	93·8
Year -	29·296	46·5	45·2	45·9	39·1	53·2	—	—	—	—	1·9	1·3	1·6	·287	·284	·286	87·5	90·6	89·1

AYSGARTH

Long. 1° 58′ W. Lat. 54° 18′ N. Height above Mean Sea Level, 658 feet. Gravity Correction, + ·023.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·390	38·4	37·9	38·2	33·5	42·7	23·5	27th	51·9	31st	1·4	1·6	1·5	·207	·197	·202	87·7	85·9	86·8
February -	·145	35·0	34·1	34·6	30·1	40·8	18·9	10th	53·0	1st	2·4	1·9	2·2	·158	·160	·159	74·4	78·2	76·3
March -	·222	37·9	36·7	37·3	31·6	44·0	**11·7**	**2nd**	56·5	29th	2·5	1·7	2·1	·184	·187	·186	77·5	83·6	80·6
April -	·013	42·6	41·1	41·9	36·6	47·9	30·0	25th	60·5	17th	2·8	2·2	2·5	·219	·217	·218	80·5	83·8	82·2
May -	·123	53·3	50·4	51·9	44·7	61·5	38·4	26th	74·6	22nd	3·8	2·1	3·0	·314	·315	·315	77·4	85·9	81·7
June -	·370	60·0	53·7	56·9	47·6	67·4	41·3	11th	77·1	27th	5·4	2·7	4·1	·364	·342	·353	71·1	82·4	76·8
July -	29·198	59·1	53·6	56·4	47·7	66·0	38·0	8th	78·0	31st	5·0	2·3	3·7	·359	·352	·356	71·7	84·9	78·3
August -	—	58·3	54·9	56·6	46·6	63·7	38·0	25th	78·0	1st	3·7	2·6	3·2	·380	·360	·370	78·4	83·4	80·6
September	29·332	53·6	—	—	—	59·5	—	—	73·0	11th	3·2	--	—	·332	—	--	79·6	—	—
October -	28·964	45·6	44·4	45·0	40·7	50·8	30·9	15th	59·8	17th	1·7	1·2	1·5	·269	·266	·268	87·9	90·6	89·3
November	29·432	41·4	41·7	41·6	36·6	47·1	24·3	28th	57·2	10th	1·4	1·3	1·4	·236	·240	·238	87·2	87·6	87·4
December	29·373	36·7	36·6	36·7	31·6	41·8	21·8	29th	52·0	17th	1·4	1·5	1·5	·193	·189	·191	86·1	84·6	85·4
Year -	—	46·8	—	—	—	52·8	—	—	—	—	2·9	—	—	·268	—	—	79·9	—	—

SCARBOROUGH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·933	37·5	38·2	37·9	33·9	42·3	25·3	6th	54·3	31st	0·7	0·9	0·8	·213	·216	·215	94·0	92·9	93·5
February -	·655	37·2	35·9	36·6	32·6	41·4	23·2	10th	52·9	1st	1·6	1·2	1·4	·194	·191	·193	86·2	89·3	87·8
March -	·755	39·6	39·2	39·4	34·5	45·1	**23·0**	**4th**	59·3	29th	1·7	1·5	1·6	·215	·214	·215	86·9	88·2	87·6
April -	·566	44·0	42·0	43·0	38·4	47·9	33·6	3rd	65·5	18th	1·6	0·9	1·3	·257	·249	·253	88·5	92·9	90·7
May -	·670	52·5	49·4	51·0	46·1	56·7	41·0	2nd	70·1	23rd	2·0	1·3	1·7	·346	·324	·335	87·9	91·4	89·7
June -	·892	60·0	55·8	57·9	52·0	64·2	47·5	1st	74·3	26th	4·2	2·2	3·2	·394	·383	·389	76·5	86·3	81·4
July -	·723	59·8	56 0	57·9	51·4	64·7	43·0	8th	**76·7**	**6th**	4·1	2·3	3·2	·392	·384	·388	76·6	85·5	81·1
August -	·607	59·7	56·0	57·9	51·6	64·3	43·8	26th	71·5	2nd	3·5	2·4	3·0	·407	·384	·396	79·9	85·6	82·8
September	·836	54·9	52·5	53·7	48·2	59·0	35·5	23rd	73·1	10th	2·4	1·7	2·1	·374	·360	·367	85·0	88·8	86·9
October -	·503	47·9	47·8	47·9	43·9	51·8	35·5	11th	58·1	15th	0·8	0·7	0·8	·314	·316	·315	94·1	95·2	94·7
November	·973	42·9	43·2	43·1	38·9	48·0	30·5	26th	59·0	9th	0·7	0·8	0·8	·265	·267	·266	94·1	93·2	93·7
December	29·927	37·9	37·5	37·7	33·0	41·2	25·0	29th	52·0	17th	0·7	0·9	0·8	·217	·210	·214	93·2	92·5	92·9
Year -	29·753	47·8	46·1	47·0	42·0	52·2	—	—	—	—	2·0	1·4	1·7	·299	·292	·296	86·9	90·2	88·6

NEWTON REIGNY.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	8·5	6·9	7·7	1·940	·580	29th	13	0	0	0	0	18	2	2	1	2	15	3	5	12	5	17
February - -	7·8	6·1	7·0	2·140	·620	13th	15	12	0	0	1	12	4	7	2	2	4	2	6	14	13	6
March - -	7·3	6·9	7·1	1·410	·480	19th	17	6	0	0	2	16	0	8	2	2	11	5	8	12	11	3
April - -	8·7	8·8	8·8	2·250	·370	3rd	20	1	0	1	1	26	0	2	12	3	15	6	6	5	7	4
May - -	6·5	6·2	6·4	3·200	·740	18th	15	0	0	4	6	15	0	4	4	0	21	12	1	1	3	16
June - -	4·8	4·1	4·5	0·920	·530	1st	5	0	0	2	7	5	0	1	5	1	8	8	2	3	2	30
July - -	7·5	7·2	7·4	1·840	·420	10th	13	0	0	0	1	13	0	3	3	3	11	3	5	9	12	13
August - -	8·5	8·0	8·3	3·660	·590	5th	22	0	0	2	1	22	1	2	0	0	3	9	16	14	7	11
September -	6·0	5·7	5·9	1·900	·540	18th	11	0	1	0	5	8	0	5	0	0	17	7	4	11	6	10
October - -	8·3	8·2	8·3	5·250	**1·070**	**8th**	25	0	1	1	1	22	1	3	8	5	10	9	4	2	3	18
November -	8·1	7·1	7·6	1·440	·430	1st	14	2	0	0	2	18	1	1	0	1	12	8	7	8	8	15
December -	8·3	6·7	7·5	2·810	·860	19th	20	4	0	0	0	15	2	1	0	3	17	8	8	8	2	15
Year -	7·5	6·8	7·2	28·760	—	—	190	25	2	10	27	190	11	39	37	22	144	80	72	99	79	158

AYSGARTH.

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

				ins	ins.																	
January - -	7·4	5·3	6·4	1·370	·540	29th	14	1	1	0	1	11	3	4	2	3	3	2	10	16	6	16
February - -	7·1	6·1	6·6	2·100	·510	2nd	16	15	1	0	4	11	6	10	9	1	1	0	9	9	9	8
March - -	6·8	6·5	6·7	2·410	·810	19th	15	9	1	0	1	12	1	5	9	4	0	0	12	13	10	9
April - -	8·5	—	—	4·190	·620	30th	22	6	2	1	—	—	—	4	9	17	1	0	7	12	7	3
May - -	7·8	6·2	7·0	1·940	·960	10th	14	0	0	5	3	12	0	0	14	13	2	4	6	6	2	15
June - -	6·2	4·1	5·2	0·270	·230	2nd	4	0	0	1	4	5	0	3	11	10	1	3	5	9	1	17
July - -	6·3	5·8	6·1	2·690	·530	24th	15	0	0	3	1	6	0	5	6	5	3	2	9	12	10	10
August - -	—	—	—	5·200	·630	6th	21	—	—	—	—	—	—	—	—	—	—	—	—	—	--	—
September -	—	—	—	0·860	·260	18th	12	--	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October - -	8·2	7·9	8·1	5·360	**1·400**	**22nd**	22	0	0	1	0	18	2	8	9	6	2	2	8	6	2	19
November -	6·8	5·4	6·1	0·810	·210	14th	8	2	1	0	2	6	1	2	1	0	0	6	9	20	10	12
December -	6·3	6·3	6·3	1·180	·240	12th	14	4	1	0	0	8	2	2	0	2	3	5	15	12	8	15
Year -	—	—	--	28·380	—	—	177	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCARBOROUGH.

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

				ins.	ins.																	
January -	7·2	5·5	6·4	1·150	·600	9th	15	1	0	0	3	12	1	0	6	0	3	9	30	7	6	1
February - -	6·1	5·6	5·9	1·850	·410	11th	22	15	0	1	1	5	4	7	9	3	0	0	8	9	20	0
March - -	7·3	5·1	6·2	2·290	**1·250**	**8th**	13	3	0	0	2	9	2	5	8	3	2	0	24	11	8	1
April - -	8.0	6·7	7·4	3·410	·450	5th	20	0	0	0	0	15	1	6	28	1	5	0	15	1	4	0
May - -	6·6	6·0	6·3	2·410	·630	27th	13	0	0	2	3	12	0	7	20	12	5	7	7	1	3	0
June - -	5·6	6·1	5·9	0·370	·120	2nd	7	0	0	2	3	9	0	8	18	8	4	7	11	1	3	0
July - -	5·7	6·2	6·0	2·980	·570	21st	15	0	1	4	1	8	0	8	8	3	5	4	20	8	6	0
August - -	6·5	5·6	6·1	4·530	·660	14th	22	0	1	2	3	9	1	9	5	1	1	3	15	12	15	1
September -	6·1	5·2	5·7	1·000	·270	24th	16	0	0	0	5	8	1	2	8	4	11	0	12	7	11	5
October - -	7·2	6·7	7·0	5·130	1·110	11th	22	0	0	1	2	14	3	0	15	5	6	7	18	7	4	0
November -	6·4	4·3	5·4	2·200	·980	27th	14	3	1	1	6	10	3	1	0	0	1	14	24	14	6	0
December -	6·6	6·1	6·4	1·400	·330	6th	16	3	0	0	2	11	1	0	1	3	6	2	41	7	0	2
Year -	6·6	5·8	6·2	28·720	—	—	197	25	3	13	31	122	17	53	126	43	49	53	225	85	86	10

CRONKBOURNE (Douglas), ISLE OF MAN

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·962	42·7	42·1	42·4	37·7	46·3	28·6	3, 27	53·0	31st	1·3	1·3	1·3	·251	·243	·247	90·1	89·9	90·0
February -	·763	40·1	39·0	39·6	35·1	44·1	**22·5**	**11th**	53·0	1st	1·4	1·2	1·3	·225	·216	·221	89·0	89·0	89·0
March -	·805	42·9	41·6	42·3	37·5	46·2	30·2	27th	54·2	29th	1·5	1·1	1·3	·248	·244	·246	88·8	90·9	89·9
April -	·574	45·4	43·6	44·5	42·1	49·1	33·4	26th	55·2	17th	2·3	1·4	1·9	·254	·254	·254	84·1	89·4	86·8
May -	·650	53·9	50·5	52·2	46·4	58·9	40·0	16, 26	68·9	21st	2·6	1·8	2·2	·347	·323	·335	83·6	88·1	85·9
June -	·914	59·8	54·5	57·2	49·7	64·6	39·5	11th	**74·2**	**22nd**	4·0	2·0	3·0	·395	·372	·384	77·2	87·2	82·2
July -	·758	59·2	55·1	57·2	50·2	63·7	40·0	24th	72·8	6th	3·6	1·5	2·6	·397	·395	·396	79·0	90·1	84·6
August -	·656	58·2	55·0	56·6	51·0	62·5	43·6	31st	67·0	1st	2·4	1·6	2·0	·415	·390	·403	85·7	89·6	87·7
September	·879	55·9	52·9	54·4	48·2	59·4	38·2	25th	66·0	12th	2·1	1·2	1·7	·393	·376	·385	86·6	91·8	89·2
October -	·498	50·2	47·6	48·9	42·0	53·6	32·6	14th	57·7	11th	1·5	1·2	1·4	·325	·303	·314	89·5	91·2	90·4
November	·998	47·0	46·0	46·5	41·2	50·6	29·9	28th	55·8	15th	1·2	1·0	1·1	·298	·295	·297	91·0	92·5	91·8
December	29·919	43·4	43·7	43·6	38·1	46·9	28·8	14th	52·8	9th	1·6	1·2	1·4	·251	·264	·258	87·8	91·2	89·5
Year -	29·781	49·9	47·6	48·8	43·1	53·8	—	—	—	—	2·1	1·4	1·8	·317	·306	·312	86·0	90·1	88·1

YORK

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·039	37·0	37·8	37·4	32·4	43·2	23·0	6th	54·8	18th	0·7	1·0	0·9	·206	·208	·207	94	92	93
February -	29·778	37·1	36·3	36·7	31·7	42·8	**21·0**	**10th**	55·0	1st	1·7	1·6	1·7	·188	·185	·187	85	86	86
March -	·859	39·9	39·7	39·8	33·9	47·1	23·0	3rd, 4th	61·0	29th	1·9	1·6	1·8	·208	·212	·210	85	87	86
April -	·651	45·3	43·8	44·6	38·3	51·2	32·0	15th	64·0	18th	2·7	1·9	2·3	·243	·245	·244	80	85	83
May -	·749	54·5	53·4	54·0	46·8	64·0	41·0	3rd	77·2	22nd	2·7	1·9	2·3	·350	·356	·353	82	88	85
June -	·996	60·9	57·3	59·1	50·7	70·9	46·3	11th	**79·0**	**27th**	4·6	2·9	3·8	·392	·385	·389	74	81	78
July -	·853	60·0	57·1	58·6	50·4	67·9	42·0	8th	**79·0**	**31st**	4·8	2·7	3·8	·374	·387	·381	72	82	77
August -	·751	58·7	57·1	57·9	51·2	65·9	43·0	25th	73·0	1st	5·4	2·3	2·9	·392	·398	·395	80	85	83
September	·975	54·5	52·6	53·6	47·0	61·6	33·0	22nd	73·0	10th	2·8	2·3	2·6	·347	·335	·341	81	84	83
October -	29·623	47·0	47·2	47·1	41·9	53·2	34·0	11th	57·0	2, 10	1·3	1·2	1·3	·291	·295	·293	91	92	92
November	30·111	42·7	43·6	43·2	37·9	48·7	27·0	13, 27	60·0	10th	1·0	1·4	1·2	·252	·252	·252	92	89	91
December	30·069	36·9	36·7	36·8	31·6	41·7	25·0	14th	54·0	18th	1·0	1·2	1·1	·200	·195	·198	92	90	91
Year -	29·871	47·9	46·9	47·4	41·2	54·9	—	—	—	—	2·4	1·8	2·1	·287	·288	·288	84·0	86·8	85·4

STONYHURST

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·751	38·6	39·1	38·9	34·8	42·5	27·4	6th	51·1	18th	1·4	1·8	1·6	·209	·206	·208	88·0	85·7	86·9
February -	·509	36·2	36·0	36·1	31·7	42·1	**21·4**	**11th**	50·1	1st	2·1	2·1	2·1	·174	·172	·173	77·7	78·4	78·1
March -	·568	39·3	38·4	38·9	34·0	44·1	**21·4**	**4th**	53·6	29th	2·6	1·7	2·2	·194	·201	·198	77·6	84·4	81·0
April -	·340	44·0	42·3	43·2	37·9	49·5	33·8	8th	58·6	23rd	3·0	2·3	2·7	·227	·223	·225	78·9	82·3	80·6
May -	·432	55·0	52·8	53·9	46·5	62·0	39·0	26th	72·1	22nd	3·7	2·9	3·3	·335	·327	·331	77·5	81·6	79·6
June -	·679	61·7	57·1	59·4	50·0	68·1	43·9	16th	**76·4**	**22nd**	5·5	3·7	4·6	·385	·364	·375	69·5	77·5	73·5
July -	·520	59·6	56·8	58·2	50·1	64·8	42·9	9th	74·9	31st	5·0	2·9	4·0	·367	·382	·375	72·1	82·0	77·1
August -	·425	57·9	55·4	56·7	51·4	62·2	43·3	30th	70·0	1st	3·3	2·5	2·9	·385	·369	·377	80·0	83·9	82·0
September	·645	53·8	52·5	53·2	47·6	59·0	34·0	22nd	71·0	12th	2·9	2·4	2·7	·344	·342	·343	81·1	84·1	82·6
October -	·278	46·7	46·2	46·5	41·9	51·6	33·7	11th	54·5	2, 31	2·0	1·6	1·8	·273	·277	·275	85·5	88·5	87·0
November	·775	43·0	44·0	43·5	39·6	47·5	27·2	28th	54·6	7th	1·4	1·6	1·5	·251	·259	·255	88·1	87·4	87·8
December	29·721	37·4	37·7	37·6	33·1	41·6	25·8	28th	51·1	18th	1·5	1·7	1·6	·196	·194	·195	85·2	83·2	84·2
Year -	29·554	47·8	46·5	47·2	41·6	52·9	—	—	—	—	2·9	2·3	2·6	·278	·276	·277	80·1	83·3	81·7

CRONKBOURNE (Douglas), ISLE OF MAN.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	8·0	6·6	7·3	2·579	·581	28th	17	0	0	0	2	12	2	7	2	2	7	4	9	11	14	6
February - -	7·6	7·1	7·4	3·396	·773	6th	20	9	4	0	1	15	6	13	5	7	2	0	5	10	13	1
March - -	7·0	7·5	7·3	2·338	·554	19th	17	4	1	0	1	15	3	9	2	2	11	1	7	13	16	1
April - -	8·1	7·8	8·0	3·613	·534	26th	21	0	1	0	0	17	4	8	9	14	6	2	7	5	7	2
May - -	6·9	6·6	6·8	2·642	·370	5th	16	0	1	4	1	14	0	2	4	9	13	12	6	3	4	9
June - -	5·3	6·0	5·7	0·396	·133	6th	8	0	0	2	1	6	1	12	3	6	9	6	4	4	12	4
July - -	6·9	6·1	6·5	2·486	·612	9th	10	0	1	0	0	8	2	9	4	5	5	2	4	9	18	6
August - -	7·8	7·3	7·6	5·779	**1·264**	**19th**	22	0	0	2	1	14	2	4	3	1	4	4	16	13	16	1
September -	7·6	7·2	7·4	2·999	·968	18th	17	0	0	0	0	13	2	8	2	8	7	4	8	6	12	5
October - -	7·5	7·3	7·4	3·970	·930	6th	23	0	2	0	0	13	7	7	12	9	5	3	6	6	4	10
November	7·7	7·9	7·8	2·725	·624	24th	12	1	3	0	1	17	2	5	1	2	9	9	4	12	12	6
December -	7·1	8·4	7·8	3·687	·478	6th	22	0	2	0	1	18	4	3	0	2	7	13	14	11	9	3
Year -	7·3	7·2	7·3	36·610	—	—	205	14	15	8	9	162	35	87	47	67	85	60	90	103	137	54

YORK.

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

				ins.	ins.																	
January - -	7·5	6·3	6·9	1·240	·580	9th	12	0	0	0	3	14	0	7	4	3	7	16	6	11	3	5
February - -	6·8	5·7	6·3	1·030	·160	3rd	18	12	0	0	2	9	1	12	5	4	0	3	4	21	7	0
March - -	7·4	6·2	6·8	2·290	1·100	8th	13	5	0	0	2	13	0	12	6	4	2	8	6	21	3	0
April - -	7·5	8·1	7·8	1·570	·230	7th	19	0	0	3	1	18	0	10	7	17	2	7	4	11	2	0
May - -	7·5	5·6	6·6	3·680	**1·510**	**10th**	16	0	1	6	2	10	0	7	9	14	9	16	1	1	3	2
June - -	4·8	4·2	4·5	0·400	·260	8th	4	0	0	0	6	3	0	10	12	11	5	9	3	9	1	0
July - -	6·0	6·3	6·2	1·420	·360	10th	13	0	1	3	2	9	0	8	7	8	4	6	5	22	2	0
August - -	7·0	7·5	7·3	4·490	·490	19th	20	0	1	2	4	13	0	2	2	3	5	8	7	28	6	1
September -	5·7	3·3	4·5	0·950	·330	23rd	12	0	0	0	9	5	0	11	6	10	1	10	3	11	8	0
October - -	8·5	7·1	7·8	4·140	·620	11th	23	0	1	1	1	16	0	14	8	6	5	14	5	6	4	0
November -	7·9	6·6	7·3	0·720	·190	14th	13	2	0	0	2	15	0	4	2	2	9	15	4	18	4	2
December -	7·0	7·1	7·1	1·470	·570	6th	15	1	0	0	0	13	0	8	1	3	8	22	7	7	6	0
Year -	7·0	6·2	6·6	23·400	—	—	178	20	4	15	34	138	1	105	69	85	57	134	55	166	49	10

STONYHURST.

Heights above Ground:—Barometer,—12 feet. Thermometers, 7 feet. Rain-gauge, 2 feet.

				ins.	ins.																	
January - -	9·1	8·5	8·8	2·560	·681	29th	15	0	0	0	0	22	0	2	5	2	6	3	10	10	4	20
February - -	7·8	6·6	7·2	3·398	·990	13th	22	13	3	0	3	16	1	8	9	2	0	2	8	17	4	6
March - -	8·0	7·7	7·9	4·083	1·400	24th	19	5	2	0	0	18	0	7	10	2	3	2	10	13	9	6
April - -	9·2	8·2	8·7	2·025	·484	23rd	20	0	1	1	0	24	0	2	21	6	2	3	10	7	3	6
May - -	7·3	7·6	7·5	2·932	·440	30th	16	0	2	6	3	18	0	1	12	8	5	9	6	4	2	15
June - -	5·9	5·3	5·6	2·004	1·400	2nd	5	0	1	1	4	10	0	1	16	8	0	2	8	8	1	16
July - -	8·0	8·1	8·1	3·043	·840	24th	16	0	1	3	0	18	0	4	6	6	3	3	14	16	2	8
August - -	8·8	7·8	8·3	6·909	·874	14th	23	0	0	0	1	23	0	2	5	0	0	1	17	16	9	12
September -	7·1	6·5	6·8	5·164	**2·060**	**26th**	14	0	1	0	5	16	0	2	7	6	0	1	5	15	5	19
October - -	7·8	8·6	8·2	3·408	·745	6th	21	0	2	0	1	19	0	3	14	5	0	7	6	5	1	21
November -	8·9	8·5	8·7	2·595	·432	14th	17	1	4	1	1	23	0	0	3	0	3	5	9	15	5	20
December -	9·1	7·8	8·5	4·477	·900	8th	19	3	2	0	1	21	0	1	2	2	3	6	12	8	2	26
Year -	8·1	7·6	7·9	42·598	—	—	207	22	19	12	19	228	1	33	110	47	25	44	115	134	47	175

WAKEFIELD

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·029	38·0	38·5	38·3	34·0	43·5	21·8	6th	55·5	18th	0·6	0·8	0·7	·217	·217	·217	95	93	94
February	29·771	36·8	36·9	36·8	32·3	43·1	20·7	12, 13	55·7	1st	1·2	1·3	1·3	·195	·193	·194	89	88	89
March -	·847	38·8	39·0	38·9	34·3	46·2	**16·6**	**4th**	58·4	29th	1·3	1·0	1·1	·210	·218	·214	89	92	90
April -	·631	44·3	43·2	43·8	38·7	50·2	33·0	15th	59·4	18, 26, 27, 28	2·1	1·5	1·8	·244	·246	·245	84	88	86
May -	·733	53·0	53·8	53·4	46·6	63·4	39·1	3rd	76·8	22nd	1·9	1·8	1·9	·351	·364	·358	87	88	88
June -	·963	59·3	58·5	58·9	50·2	69·7	43·5	13th	**80·4**	**2nd**	3·4	2·5	2·9	·400	·413	·406	79	84	81
July -	·799	59·0	57·3	58·1	51·3	66·8	43·7	9th	78·2	31st	2·1	1·2	1·7	·433	·433	·433	87	92	90
August -	·707	58·5	56·6	57·6	52·0	65·2	43·2	30th	74·4	30th	2·3	1·3	1·8	·419	·419	·419	85	91	88
September	·931	54·1	52·6	53·3	47·4	61·1	33·0	18th	74·4	10th	2·0	1·2	1·6	·362	·364	·363	86	92	89
October -	29·568	46·2	46·9	46·6	42·2	52·9	31·6	11th	57·1	17th	1·0	0·9	0·9	·289	·299	·294	92	93	92
November	30·065	43·1	44·0	43·5	38·5	49·0	29·1	28, 29	57·9	7th	1·1	0·9	1·0	·254	·267	·261	91	93	92
December	30·022	37·5	37·6	37·6	32·8	43·0	24·0	29th	54·6	17th	1·1	1·2	1·2	·203	·201	·202	90	89	90
Year -	29·839	47·4	47·1	47·2	41·7	54·5	—	—	—	—	1·7	1·3	1·5	·298	·303	·301	87·8	90·3	89·1

PRESTWICH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·789	37·7	38·3	38·0	34·3	41·9	24·2	4th	52·5	18th	0·8	1·0	0·9	·212	·214	·213	92·3	91·5	91·9
February -	·533	36·5	36·3	36·4	32·3	41·9	**21·9**	**11th**	53·6	17th	1·7	1·5	1·6	·187	·187	·187	85·4	86·1	85·8
March -	·601	39·4	38·8	39·1	34·4	45·6	24·4	4th	56·8	25th	2·1	1·4	1·8	·205	·211	·208	83·4	87·4	85·4
April -	·371	44·1	42·3	43·2	38·0	49·8	33·2	8th	57·7	27th	2·8	1·9	2·4	·231	·231	·231	79·9	85·5	82·7
May -	·465	55·5	53·4	54·5	47·6	63·0	40·2	2nd	73·5	22nd	4·0	2·7	3·4	·336	·340	·338	76·7	82·7	79·7
June -	·711	60·4	57·0	58·7	50·6	68·9	44·8	16th	**77·5**	**22nd**	5·2	3·7	4·5	·375	·363	·369	71·3	77·6	74·5
July -	·558	58·8	56·9	57·9	50·5	66·1	40·8	8th	76·7	30th	4·4	2·8	3·6	·370	·388	·379	74·8	83·1	79·0
August -	·467	57·5	55·3	56·4	51·2	63·6	43·2	25th	72·9	30th	2·6	1·6	2·1	·400	·394	·397	84·4	89·5	87·0
September	·681	54·5	52·6	53·6	47·8	61·3	35·2	22nd	71·8	10th	2·6	1·6	2·1	·363	·363	·363	84·0	89·0	86·5
October -	·307	47·2	46·3	46·8	42·2	52·2	35·1	14th	56·6	31st	1·5	1·1	1·3	·290	·289	·290	89·1	91·6	90·4
November	·815	43·0	43·6	43·3	39·5	48·4	27·6	28th	58·3	10th	0·8	0·8	0·8	·266	·273	·270	93·6	93·8	93·7
December	29·762	37·3	37·3	37·3	33·5	41·8	25·0	29th	51·0	18th	1·1	1·1	1·1	·205	·202	·204	89·5	88·1	88·8
Year -	29·588	47·7	46·5	47·1	41·8	53·7	—	—	—	—	2·5	1·8	2·2	·287	·288	·288	83·7	87·2	85·5

LIVERPOOL

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -																			
February -																			
March -																			
April -																			
May -																			
June -																			
July -																			
August -	29·612	58·5	56·7	57·6	53·7	63·6	49·9	24, 25	69·5	30th	3·9	2·8	3·4	·377	·383	·380	76·8	83·1	80·0
September	·826	55·6	54·8	55·2	50·8	61·1	42·0	18th	72·5	10th	3·4	2·9	3·2	·357	·358	·358	79·2	81·7	80·5
October -	·451	47·1	47·2	47·2	43·5	52·7	38·0	11th	56·0	7th	2·0	1·7	1·9	·278	·287	·283	86·2	88·1	87·2
November	·938	44·8	45·1	45·0	41·8	49·0	33·3	13, 27	57·3	22nd	1·7	1·6	1·7	·264	·270	·267	87·1	88·7	87·9
December	29·901	39·4	39·6	39·5	36·2	43·4	27·1	29th	53·2	18th	1·8	1·7	1·8	·210	·212	·211	84·2	85·2	84·7
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

WAKEFIELD.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	7·7	5·5	6·6	1·220	·300	9th	19	0	0	0	3	12	0	5	4	0	6	1	5	10	9	22
February - -	8·1	6·4	7·3	1·680	·340	10th	21	13	0	1	0	12	1	15	5	0	0	1	3	12	11	9
March - -	7·2	6·4	6·8	3·160	**1·060**	**8th**	12	8	0	0	3	12	0	5	6	3	2	0	5	13	10	18
April - -	8·3	7·3	7·8	3·180	·550	7th	20	0	0	4	2	19	0	11	9	8	2	2	5	11	4	8
May - -	8·0	6·9	7·4	3·980	1·000	23rd	14	0	0	5	1	13	0	8	9	6	4	11	5	2	2	15
June - -	6·2	3·3	4·8	0·460	·180	8th	3	0	0	1	7	4	0	9	10	10	4	3	3	8	3	10
July - -	7·2	6·5	6·8	1·510	·400	15th	14	0	0	5	1	10	0	5	5	5	9	4	2	23	1	8
August - -	6·4	7·3	6·9	3·560	·510	14th	19	0	1	4	1	12	0	2	3	0	4	8	5	24	4	12
September -	6·4	4·1	5·2	1·070	·600	23rd	9	0	0	0	6	9	0	5	8	3	6	1	4	13	5	15
October - -	8·3	8·3	8·3	3·530	·540	23rd	19	0	0	0	1	16	1	8	7	2	3	8	6	8	4	16
November -	8·0	6·9	7·5	0·750	·160	24th	9	2	0	0	0	15	1	1	1	2	4	3	6	21	5	17
December -	8·0	7·4	7·7	1·730	·500	21st	10	3	0	0	0	15	0	3	3	5	10	5	8	15	2	11
Year -	7·5	6·4	6·9	25·830	—	—	169	26	1	20	25	149	3	77	70	44	54	47	57	160	60	161

PRESTWICH.

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

				ins.	ins.																	
January - -	9·0	7·1	8·1	1·660	·470	29th	17	3	0	0	1	21	1	3	1	3	6	10	0	10	1	28
February - -	8·0	6·3	7·2	2·380	·660	13th	18	15	5	0	3	15	3	13	2	7	0	4	0	12	7	11
March - -	8·2	6·2	7·2	2·750	·790	8th	18	6	1	1	1	15	2	12	1	7	5	9	1	16	4	7
April - -	9·1	7·1	8·1	2·350	·350	10th	17	0	0	1	0	18	1	8	2	18	3	8	1	10	2	8
May - -	8·5	8·2	8·4	3·330	·610	11th	14	0	3	7	0	19	0	5	2	14	3	14	0	2	2	20
June - -	7·6	5·8	6·7	0·860	·620	1st	3	0	1	2	4	13	0	7	1	14	3	8	1	6	3	17
July - -	8·7	7·4	8·1	3·830	1·150	12th	16	0	0	3	0	18	0	2	0	9	0	14	0	20	6	11
August - -	9·0	6·4	7·7	6·590	**1·460**	**5th**	24	0	1	7	1	18	1	4	0	2	4	10	1	23	4	14
September -	7·1	5·1	6·1	3·000	·680	26th	14	0	1	2	6	12	2	6	0	17	3	8	1	8	6	11
October - -	8·3	5·5	6·9	2·890	·440	6th	23	0	0	0	1	14	2	5	0	18	7	13	0	2	0	17
November -	8·7	7·5	8·1	1·910	·330	14th	19	4	5	0	1	20	0	6	0	3	5	14	0	14	2	16
December -	9·4	6·4	7·9	3·170	·550	21st	19	4	5	0	1	17	1	1	1	5	8	13	0	10	2	22
Year -	8·5	6·6	7·6	34·720	—	—	202	32	22	23	19	200	13	72	10	117	47	125	5	133	39	182

LIVERPOOL.

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

				ins.	ins.																	
January - -																						
February - -																						
March - -																						
April - -																						
May - -																						
June - -																						
July - -																						
August - -	7·6	7·4	7·5	3·949	·818	23rd	20	0	0	4	0	15	3	3	1	0	4	2	14	29	8	1
September -	7·1	7·6	7·4	1·975	·458	23rd	15	0	3	2	1	13	3	2	2	6	15	4	4	12	13	2
October - -	7·7	6·9	7·3	3·021	·394	12th	20	0	1	0	0	15	1	3	10	9	7	10	9	7	3	4
November -	8·1	7·6	7·9	2·444	·686	22nd	17	2	3	3	0	17	2	3	1	0	19	8	3	17	7	2
December -	7·8	7·2	7·5	2·689	·488	19th	17	0	2	0	0	13	2	2	0	3	18	10	12	11	3	3
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

LLANDUDNO.

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·029	42·1	42·1	42·1	38·1	45·5	31·2	5th,27th	53·9	29th	1·8	2·0	1·9	·230	·225	·228	86	84	85
February -	29 825	40·6	40·4	40·5	36·0	44·5	27·5	11th	54·0	1st	2·5	2·8	2·7	·204	·196	·200	81	78	80
March -	·867	42·1	41·4	41·8	37·1	45·9	25·5	4th5th	54·9	24th	2·5	2·3	2·4	·216	·214	·215	81	82	81
April -	·620	44·8	44·6	44·7	39·3	49·5	33·0	15th	55·8	28th	2·6	2·3	2·4	·239	·243	·241	80	82	81
May -	·698	55·1	52·2	53·6	47·5	59·9	40·5	2nd	68·2	21st	4·1	2·4	3·3	·324	·328	·326	75	84	80
June -	·953	60·0	57·1	58·6	51·9	65·6	46·3	16th	74·2	22nd	5·1	3·6	4·3	·366	·364	·365	71	78	74
July -	·813	59·0	57·4	58·2	52·6	64·5	45·7	24th	78·6	31st	4·6	2·9	3·8	·365	·386	·375	73	82	78
August -	·721	59·0	57·3	58·1	54·0	63·6	47·0	11th	70·0	1st	3·8	2·9	3·3	·385	·385	·385	77	82	79
September	·927	57·2	55·7	56·5	51·1	62·4	42·2	18th	72·2	12th	3·7	3·4	3·6	·362	·349	·356	77	79	78
October -	29·549	49·7	48·5	49·1	44·2	53·7	39·0	14th	59·2	7th	2·4	2·1	2·2	·297	·289	·293	83	85	84
November	30·064	47·4	46·9	47·1	42·7	51·8	33·8	27th	62·0	22nd	2·6	2·5	2·6	·266	·263	·264	81	82	82
December	29·991	42·3	42·6	42·5	38·3	47·1	29·0	4th	55·5	19th	2·5	2·4	2·4	·218	·223	·221	81	82	81
Year -	29·838	49·9	48·9	49·4	44·4	54·5	—	—	—	—	3·2	2·6	2·9	·289	·289	·289	78·8	81·7	80·3

BUXTON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·057	36·0	36·4	36·2	30·8	42·5	19·6	5th	49·6	31st	0·8	0·7	0·3	·196	·201	·199	92	93	93
February -	28·796	33·6	33·8	33·7	29·5	39·0	18·2	10th	54·6	—	0·9	0·9	0·9	·174	·176	·175	90	91	90
March -	·881	37·2	35·6	36·4	30·8	44·0	9·4	4th	55·6	—	1 6	1·0	1·3	·190	·188	·189	86	90	88
April -	·655	41·6	39·4	40·5	34·8	48·0	29·8	26th	58·0	—	1·9	1·4	1·6	·224	·214	·219	85	89	87
May -	28·780	53·3	50·8	52·1	44·3	60·7	38·1	1st, 3rd	74·1	22nd	2·8	1·8	2·3	·331	·325	·328	81	88	85
June -	29·017	59·3	54·3	56·8	46·8	66·5	40·9	17th	74·3	2nd	5·1	2·9	4·0	·356	·342	·349	70	81	75
July -	28 868	57·0	54·1	55·5	47·3	63·6	37·9	24th	74·1	30, 31	4·0	2·6	3·3	·352	·346	·349	76	83	80
August -	·786	56·0	53·1	54·6	48·7	62·0	43·1	25th	73·1	30th	3·3	1·9	2·6	·356	·352	·354	79	87	83
September	·965	52·1	50·3	51·2	45·5	58·2	30·1	18th	71·2	10th	2·6	1·7	2·2	·322	·321	·321	83	88	85
October -	28·620	44·9	43·4	44·1	39·0	49·8	27·3	11th	54·5	3rd	1·7	0·9	1·3	·259	·261	·260	87	93	90
November	29·118	41·2	41·0	41·1	36·2	48·2	23·0	27th	56·2	7th	0·8	1·0	0·9	·241	·235	·238	93	91	92
December	29·045	36·0	35·3	35·7	30·0	42·6	17·3	29th	52·0	—	0·6	0·7	0·6	·199	·192	·196	94	93	94
Year -	28·883	45·7	44·0	44·8	38·6	—	—	—	—	—	2·2	1·5	1·8	·267	·263	·265	84·7	88·9	86·8

CHEADLE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·452	35·5	36·7	36·1	32·3	41·1	18·0	6th	51·9	31st	0·6	0·7	0·7	·196	·204	·200	94	94	94
February -	·205	34·4	34·5	34·5	30·1	40·6	20·2	12th	53·7	1st	1·3	1 3	1·3	·173	·174	·174	87	87	87
March -	·273	37·1	37·3	37·2	33·0	44·6	21·8	4th	57·7	24th	1·4	1·2	1·3	·193	·199	·196	87	89	88
April -	·047	42·5	41·2	41·8	36·6	49·1	31·6	15th	59·3	18th	2·1	1·5	1·8	·227	·227	·227	83	88	86
May -	·142	52·7	52·7	52·7	46·4	61·2	39·0	2nd	74·0	22nd	2·3	2·2	2·2	·336	·339	·337	84	85	84
June -	·382	57·4	56·6	57·0	50·0	67·0	45·3	1st	74·8	27th	3·8	3·4	3·6	·362	·361	·362	77	79	78
July -	·247	57·0	56·1	56·6	49·9	65·0	43·0	17th	75·3	31st	3·5	2·8	3·2	·364	·369	·366	78	82	80
August -	·169	55·9	54·7	55·3	49·4	63·0	42·0	25th	74·6	30th	2·6	1·8	2·2	·371	·375	·373	83	88	86
September	29·363	52·1	51·5	51·8	47·2	59·6	35·2	25th	72·6	12th	1·8	1·7	1·7	·342	·336	·339	88	88	88
October -	28·993	45·2	44·4	44·8	40·3	51·4	34·4	11th	54·7	9th	1·4	0·9	1·2	·268	·271	·270	89	92	90
November	29·502	41·7	41·8	41·7	38·0	47·2	23·5	28th	58·4	7th	1·0	0·7	0·8	·242	·249	·245	92	94	93
December	29·448	35·9	35·6	35·8	31·6	40·9	21·4	29th	51·7	17th	0·8	0·9	0·9	·195	·190	·193	92	91	92
Year -	29·269	45·6	45·3	45·4	40·4	52·6	—	—	—	—	1·9	1·6	1·7	·272	·275	·274	86·2	88·1	87·2

LLANDUDNO.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	7·2	6·6	6·9	1·212	·388	9th	13	0	0	0	4	16	0	4	5	2	4	7	9	27	4	0
February - -	8·1	6·4	7·3	1·939	·580	6th	15	5	1	0	2	13	3	12	7	6	1	0	3	17	10	0
March - -	7·2	6·6	6·9	1·716	·760	19th	18	2	0	0	3	14	1	7	3	5	1	7	6	28	5	0
April - -	8·4	7·5	7·9	4·715	·797	8th	20	1	0	0	0	17	0	7	8	6	4	3	9	17	6	0
May - -	5·7	7·5	6·6	2·528	·470	16th	15	0	0	3	3	11	0	4	3	3	7	11	12	15	7	0
June - -	4·3	4·0	4·2	0·620	·300	8th	5	0	0	0	8	5	0	11	4	15	2	1	5	20	2	0
July - -	7·3	6·8	7·0	1·910	·500	23rd	12	0	0	0	1	15	0	10	1	7	2	3	5	24	10	0
August - -	7·3	6·3	6·8	3·847	·970	19th	17	0	0	0	3	13	1	5	0	0	0	5	6	34	12	0
September -	6·1	5·7	5·9	2·219	·450	18th	13	0	0	0	3	10	0	5	7	4	3	9	3	21	8	0
October - -	6·7	7·0	6·9	3·359	·570	6th	20	0	0	0	0	12	2	0	9	11	3	6	7	20	6	0
November - -	7·6	6·2	6·9	1·385	·773	22nd	15	0	2	0	1	12	0	4	1	0	0	8	13	25	9	0
December - -	6·8	7·2	7·0	2·978	·670	19th	13	0	0	0	1	14	1	4	0	3	6	3	18	27	1	0
Year -	6·9	6·5	6·7	28·428	—	—	176	8	3	3	29	152	8	73	48	62	33	63	96	275	80	0

BUXTON.

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

				ins.	ins.																	
January - -	8·9	6·5	7·7	2·725	·520	9th	16	3	0	0	0	15	2	0	7	7	10	0	7	14	17	0
February - -	9·1	8·0	8·6	3·565	·790	13th	21	18	1	2	0	19	2	5	10	1	2	1	4	10	20	3
March - -	6·5	7·0	6·7	4·350	1·180	19th	20	8	0	0	0	11	1	4	6	1	8	0	7	15	17	4
April - -	7·2	6·7	7·0	3·520	·595	23rd	20	4	0	0	0	13	0	1	8	13	7	3	5	12	10	1
May - -	6·5	5·7	6·1	3·928	·915	29th	17	0	1	5	1	8	0	1	8	13	11	13	4	3	1	8
June - -	4·0	3·3	3·6	0·633	·430	1st	5	0	0	1	7	4	0	0	9	15	3	2	3	7	11	10
July - -	6·0	5·3	5·7	4·435	·805	21st	18	0	1	1	1	5	2	0	3	11	3	1	6	32	5	1
August - -	6·7	6·9	6·8	6·240	·715	6th	24	0	0	1	2	15	2	0	0	0	7	3	16	27	5	4
September -	6·8	5·7	6·2	4·585	·940	23rd	15	0	0	1	1	11	1	0	3	16	2	3	9	21	2	4
October - -	7·0	6·7	6·9	4·990	·960	7th	27	0	0	0	1	12	1	1	4	14	8	4	9	10	4	8
November -	8·7	7·4	8·0	2·505	·520	24th	17	1	0	0	1	18	0	0	0	2	8	5	5	26	2	12
December -	7·9	4·6	6·3	4·[illegible]63	·820	21st	16	4	4	0	1	9	0	0	0	8	1	6	14	21	0	12
Year	7·1	6·2	6·6	45·841	—	—	216	38	7	11	15	140	—	12	58	101	70	41	89	198	94	67

CHEADLE.

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

				ins.	ins.																	
January -	8·2	7·4	7·8	0·970	·220	19th	16	1	0	0	1	18	0	6	7	2	8	4	6	7	11	11
February - -	7·3	6·2	6·7	2·480	·790	10th	20	14	0	0	2	9	6	8	6	2	0	3	4	8	23	2
March - -	7·6	6·9	7·3	3·310	1·300	8th	16	6	0	0	3	15	4	6	6	5	6	7	5	11	14	2
April - -	8·1	7·8	7·9	3·230	·540	30th	21	1	4	9	1	16	1	9	5	10	6	6	5	6	11	2
May - -	7·0	7·5	7·3	3·640	·790	5th	17	0	0	7	3	18	0	9	5	15	9	13	2	0	5	4
June - -	5·8	5·1	5·4	0·570	·240	1st	6	0	0	2	6	10	0	10	4	21	4	4	5	3	5	4
July - -	7·2	6·4	6·8	2·750	·490	13th	17	0	0	4	0	11	0	15	2	10	5	5	3	13	6	3
August - -	7·9	6·8	7·4	3·970	·730	6th	21	0	1	5	0	13	0	6	0	2	1	4	19	16	10	4
September -	7·2	4·9	6·0	3·430	1·010	23rd	16	0	1	0	4	9	2	6	2	19	3	7	3	7	12	1
October - -	7·2	5·9	6·6	3·080	·500	19th	25	0	0	5	2	13	1	5	9	8	9	10	8	5	7	1
November -	8·1	7·4	7·7	1·250	·400	24th	13	2	2	0	2	17	1	3	0	11	9	6	4	9	14	4
December -	8·3	6·3	7·3	2·130	·550	21st	17	7	1	0	0	13	1	2	2	6	7	11	12	6	12	4
Year -	7·5	6·6	7·0	30·810	—	—	205	31	9	32	24	162	16	85	48	111	67	80	76	91	130	42

HILLINGTON

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·055	33·8	35·5	34·7	29·7	40·3	14·6	6th	52·8	31st	0·6	0·7	0·7	·185	·198	·192	93·7	92·7	93·2
February -	29·754	35·1	35·1	35·1	30·2	42·0	**5·6**	**12th**	55·4	1st	1·1	1·0	1·1	·186	·187	·187	88·9	89·4	89·2
March -	·865	39·5	38·3	38·9	32·5	47·9	17·4	4th	62·4	24th	1·7	1·2	1·5	·212	·212	·212	84·7	88·4	86·6
April -	·633	45·6	42·1	43·9	37·4	51·4	31·0	23rd	62·5	18th	1·8	1·1	1·5	·266	·247	·257	87·1	91·8	89·5
May -	·737	56·4	51·6	54·0	47·0	63·7	39·1	3rd	81·4	23rd	2·7	1·2	2·0	·383	·355	·369	84·5	92·3	88·4
June -	·954	61·8	55·5	58·7	49·8	68·7	43·2	13th	**84·3**	**2nd**	3·9	1·5	2·7	·430	·398	·414	78·8	90·2	84·5
July -	·817	60·6	56·2	58·4	50·7	67·5	41·6	17th	77·4	31st	3·4	1·7	2·6	·426	·404	·415	80·5	89·3	84·9
August -	·742	60·3	56·2	58·3	50·7	68·1	38·5	25th	81·3	1st	3·2	1·3	2·3	·424	·415	·420	81·3	91·3	86·3
September	·937	56·0	51·5	53·8	46·7	62·6	32·2	23rd	76·7	11th	2·8	1·2	2·0	·378	·356	·367	82·8	91·4	87·1
October -	29·592	47·6	46·1	46·9	41·7	53·8	33·1	14th	59·4	16th	1·1	0·7	0·9	·306	·297	·302	92·7	94·7	93·7
November	30·100	42·3	42·2	42·3	37·7	48·6	28·4	30th	57·4	7, 10	0·8	0·8	0·8	·258	·259	·259	93·5	93·2	93·4
December	30·065	35·6	35·9	35·8	31·2	41·0	18·8	29th	56·6	18th	0·6	0·9	0·8	·202	·196	·199	92·7	90·6	91·7
Year -	29·854	47·9	45·5	46·7	40·4	54·6	—	—	—	—	2·0	1·1	1·6	·305	·294	·300	86·8	91·3	89·1

UPPINGHAM

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·611	34·5	35·6	35·1	31·2	40·1	**16·4**	**6th**	52·4	31st	0·7	0·8	0·8	·190	·198	·194	93·1	92·5	92·8
February -	·338	34·7	34·1	34·4	30·6	40·5	19·9	10th	53·0	1st	1·4	1·3	1·4	·174	·171	·173	84·1	84·5	84·3
March -	·424	38·8	37·7	38·3	32·6	46·7	19·0	3rd	58·8	29th	1·9	1·3	1·6	·202	·204	·203	82·6	86·7	84·7
April -	·197	43·8	41·4	42·6	37·2	51·1	32·1	3rd	64·5	18th	1·9	1·0	1·5	·247	·242	·245	86·4	92·6	89·5
May -	·302	54·2	52·1	53·2	47·1	62·7	39·2	1st	78·8	22nd	2·1	1·5	1·8	·367	·355	·361	86·9	90·8	88·9
June -	·525	59·7	56·3	58·0	50·9	70·7	45·5	1st	**81·9**	**2nd**	3·1	1·7	2·4	·418	·407	·413	81·8	89·2	85·5
July -	·392	59·7	56·2	58·0	51·0	67·8	43·9	19th	79·3	5th	2·6	1·6	2·1	·431	·409	·420	84·1	89·8	87·0
August -	·329	58·3	55·3	56·8	50·2	65·9	43·0	25th	77·7	1st	2·9	2·2	2·6	·403	·377	·390	82·5	85·5	84·0
September	·506	54·4	51·8	53·1	47·6	61·3	35·0	26th	76·4	11th	2·0	1·4	1·7	·375	·357	·366	86·4	90·5	88·5
October -	·150	46·2	45·5	45·9	41·1	52·4	35·1	4th	57·6	2nd	0·7	0·4	0·6	·298	·296	·297	94·9	96·7	95·8
November	·656	42·3	41·9	42·1	38·1	47·7	26·1	28th	58·0	8th	1·0	0·9	1·0	·253	·253	·253	90·2	92·3	91·3
December	29·616	35·9	35·4	35·7	31·0	40·9	20·2	29th	52·0	17th	0·8	1·0	0·9	·199	·190	·195	90·2	88·8	89·5
Year -	29·421	46·9	45·3	46·1	40·7	54·0	—	—	—	—	1·8	1·3	1·6	·296	·288	·292	86·9	90·0	88·5

CHURCHSTOKE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·564	37·8	37·1	37·5	31·7	42·7	**14·4**	**6th**	55·0	18th	1·2	1·1	1·2	·208	·203	·206	88·5	89·6	89·1
February -	·335	37·7	35·8	36·8	30·4	42·9	18·3	11th	55·1	17th	1·9	1·6	1·8	·192	·181	·187	81·0	83·5	82·3
March -	·391	40·5	37·7	39·1	32·9	45·9	21·3	3rd	60·6	29th	2·4	1·7	2·1	·209	·196	·203	80·9	84·1	82·5
April -	·151	43·4	41·2	42·3	36·1	49·7	28·0	15th	63·9	18th	1·9	1·5	1·7	·242	·227	·235	85·9	87·9	86·9
May -	·243	55·2	50·5	52·9	44·9	62·7	38·0	2nd	75·2	22nd	3·0	1·5	2·3	·356	·330	·343	81·5	89·5	85·5
June -	·483	59·8	54·1	57·0	47·4	68·6	40·2	13th	77·2	22nd	3·4	1·8	2·6	·411	·371	·391	80·5	88·5	84·5
July -	·349	58·9	53·9	56·4	48·2	66·8	40·2	17th	**77·7**	**30th**	3·3	1·6	2·5	·400	·375	·388	80·2	89·2	84·7
August -	·282	58·4	53·9	56·2	48·8	64·9	38·4	25th	77·1	30th	3·4	1·6	2·5	·388	·372	·380	79·4	89·2	84·3
September	·473	55·3	51·6	53·5	46·1	61·6	31·0	18th	77·0	12th	3·0	1·6	2·3	·362	·349	·356	81·5	89·1	85·3
October -	·094	46·9	43·9	45·4	39·6	52·8	28·9	14th	57·3	2nd	1·6	1·1	1·4	·284	·264	·274	89·0	91·8	90·4
November	·609	44·5	42·9	43·7	37·3	49·7	26·3	28th	60·1	8th	1·3	1·1	1·2	·270	·260	·265	90·1	91·5	90·8
December	29·553	37·6	37·6	37·6	31·9	43·6	20·3	29th	54·1	17th	1·2	1·3	1·3	·204	·204	·204	88·2	87·2	87·7
Year -	29·377	48·0	45·0	46·5	39·6	54·3	—	—	—	—	2·3	1·5	1·9	·294	·278	·286	83·9	88·4	86·2

HILLINGTON.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	8·5	6·5	7·5	0·816	·183	12th	21	1	0	0	2	16	0	2	6	7	7	5	21	5	9	0
February -	8·0	5·9	7·0	2·007	·430	11th	20	16	2	1	3	11	4	4	16	0	1	0	7	8	20	0
March - -	7·4	5·6	6·5	1·752	·516	7th	14	8	1	0	2	12	0	9	8	0	7	4	17	5	12	0
April - -	8·4	6·3	7·4	1·689	·263	10th	22	1	1	2	0	14	1	4	19	5	8	3	10	4	7	0
May - -	7·4	7·3	7·4	2·650	·980	10th	16	0	0	6	1	14	0	2	15	9	13	8	11	1	3	0
June - -	6·4	7·4	6·9	2·088	1·220	6th	5	0	0	4	2	13	2	1	36	3	6	2	7	1	4	0
July - -	7·3	7·7	7·5	2·903	1·230	13th	19	0	0	5	1	16	0	3	10	1	8	0	14	16	10	0
August - -	6·6	6·7	6·7	5·474	**1·310**	**11th**	22	0	2	5	2	9	0	0	1	3	6	2	24	13	13	0
September -	6·4	5·8	6·1	2·345	·798	24th	8	0	0	1	3	11	0	3	13	5	2	13	9	1	14	0
October - -	7·1	6·3	6·7	3·185	1·096	16th	25	0	0	0	3	12	1	2	12	4	13	7	21	1	2	0
November -	7·8	7·1	7·5	1·385	·426	24th	13	3	1	0	3	16	0	0	4	2	8	7	22	6	11	0
December -	8·2	7·5	7·9	1·594	·358	8th	22	7	0	0	2	18	0	0	1	6	11	6	33	0	5	0
Year -	7·5	6·7	7·1	27·888	—	—	207	36	7	24	24	162	8	30	141	45	90	57	196	61	110	0

UPPINGHAM.

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

				ins.	ins.																	
January - -	8·1	7·6	7·9	1·212	·283	9th	14	2	0	0	1	18	1	9	3	2	3	8	12	12	9	4
February -	7·9	6·5	7·2	1·947	·526	10th	18	17	0	0	2	14	3	20	3	1	0	0	8	11	12	1
March - -	7·5	6·5	7·0	1·935	·743	7th	9	5	2	1	3	16	0	10	5	0	4	10	7	14	8	4
April - -	9·1	6·5	7·8	3·234	·739	5th	19	0	3	4	0	16	2	10	9	7	2	9	11	3	7	2
May - -	8·4	6·9	7·7	4·823	1·007	24th	20	0	2	4	2	18	0	11	10	6	3	10	10	2	3	7
June - -	7·1	5·8	6·5	0·552	·337	9th	9	0	0	1	4	12	0	9	21	7	2	4	6	3	2	6
July - -	7·5	7·2	7·4	2·257	·481	23rd	13	0	3	7	1	14	0	6	7	4	3	7	8	21	3	3
August - -	8·5	5·8	7·2	2·331	·501	11th	16	0	1	7	2	14	1	0	2	1	0	8	24	15	10	2
September -	7·9	5·6	6·8	2·097	**1·184**	**23rd**	13	0	0	1	3	11	0	14	12	1	0	5	8	6	9	5
October - -	7·2	7·1	7·2	2·631	·393	16th	25	0	1	0	2	18	2	10	7	2	3	14	8	11	1	6
November -	8·2	7·0	7·6	0·768	·258	24th	10	2	0	0	2	19	1	0	2	3	5	13	12	11	12	2
December -	8·2	6·2	7·2	1·476	·520	21st	15	8	0	0	2	17	3	9	1	2	4	13	16	12	4	1
Year -	8·0	6·6	7·3	25·263	—	—	181	34	12	25	24	187	13	108	82	36	29	101	130	121	80	43

CHURCHSTOKE.

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

				ins.	ins.																	
January - -	8·2	7·5	7·9	0·712	·150	30th	11	0	0	0	0	16	0	1	6	4	11	1	8	19	9	3
February - -	9·0	7·1	8·1	1·459	·440	10th	14	10	1	0	0	14	0	3	4	5	2	1	6	17	18	0
March - -	8·4	7·5	8·0	2·459	·900	8th	14	4	1	0	0	18	0	3	7	5	7	1	7	9	23	0
April - -	9·2	7·0	8·1	6·606	**2·094**	**8th**	22	4	2	1	0	17	0	10	3	6	7	1	15	9	8	1
May - -	8·2	6·4	7·3	4·078	·820	9th	19	0	0	4	1	16	0	3	6	2	15	3	13	8	12	0
June - -	6·5	5·8	6·2	0·414	·220	1st	4	0	0	2	3	8	0	9	5	3	8	2	7	6	19	1
July - -	7·8	5·7	6·8	4·173	1·650	13th	17	0	0	2	0	9	0	2	4	2	11	0	12	12	19	0
August - -	8·1	6·7	7·4	3·016	·680	21st	18	0	0	3	1	13	0	1	0	1	3	1	17	20	19	0
September -	8·4	6·7	7·6	1·751	·865	23rd	14	0	0	0	1	18	0	1	2	7	9	1	11	11	18	0
October - -	8·2	7·1	7·7	3·614	·370	19th	23	0	1	0	1	16	1	4	10	1	11	1	15	6	13	1
November -	9·2	7·5	8·4	1·218	·290	22nd	11	0	0	0	0	21	0	1	1	0	19	3	10	15	8	3
December -	7·9	6·5	7·2	1·860	·340	23rd	14	4	0	0	1	13	0	0	2	10	14	0	15	9	12	0
Year -	8·3	6·8	7·6	31·360	—	—	181	22	5	12	8	179	1	38	50	46	117	15	136	147	178	9

GELDESTON

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·113	35·3	37·2	36·3	31·1	42·2	18·1	6th	53·6	31st	0·8	0·9	0·9	·195	·209	·202	93·2	92·4	92·8
February -	29·794	35·8	35·6	35·7	30·6	42·3	13·8	13th	58·2	18th	1·5	1·4	1·5	·183	·185	·184	84·3	86·2	85·3
March -	·914	39·9	39·5	39·7	33·3	47·1	20·1	3rd	64·7	24th	2·1	1·8	2·0	·209	·211	·210	82·1	84·1	83·1
April -	·689	45·8	42·8	44·3	37·6	50·7	30·7	6th	65·8	20th	1·9	1·1	1·5	·267	·252	·260	86·6	91·4	89·0
May -	·798	57·0	51·5	54·3	47·0	63·0	40·8	5th	78·0	23rd	3·0	0·9	2·0	·383	·358	·371	82·3	93·5	87·9
June -	·997	61·7	56·1	58·9	50·7	67·1	45·8	19th	76·7	2nd	4·2	1·2	2·7	·423	·416	·420	76·9	91·9	84·4
July -	·875	61·8	57·2	59·5	51·6	67·0	43·8	24th	76·8	6th	4·7	2·0	3·4	·407	·412	·410	73·5	87·6	80·6
August -	·807	60·8	57·5	59·2	51·2	68·1	42·2	25th	81·0	30th	3·3	1·7	2·5	·432	·425	·429	80·9	89·1	85·0
September	·974	55·9	52·8	54·4	47·2	62·7	32·7	17th	79·0	11th	2·8	1·5	2·2	·377	·370	·374	82·5	90·1	86·3
October -	29·655	50·2	47·9	49·1	42·9	55·6	31·8	15th	59·9	15th	1·5	0·9	1·2	·326	·313	·320	89·4	93·5	91·5
November	30·155	43·2	43·3	43·3	38·2	49·3	27·7	27th	58·9	7th	1·2	0·8	1·0	·260	·270	·265	90·8	93·8	92·3
December	30·136	37·3	37·7	37·5	33·2	42·2	25·1	29th	52·9	17th	0·7	0·7	0·7	·215	·216	·216	93·4	93·2	93·3
Year -	29·909	48·7	46·6	47·7	41·2	54·8	—	—	—	—	2·3	1·2	1·8	·306	·303	·305	84·7	90·6	87·7

BENNINGTON

Long. 0° 5′ W. Lat. 51° 54′ N. Height above Mean Sea Level, 407 feet. Gravity Correction, + ·017.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·739	34·0	35·7	34·9	30·9	39·8	17·7	6th	52·0	31st	0·7	0·7	0·7	·182	·195	·188	93	93	93
February -	·459	34·8	34·7	34·7	30·4	40·8	15·1	13th	56·1	17th	1·4	1·1	1·3	·175	·179	·177	87	89	88
March -	·548	39·0	38·5	38·8	33·1	46·8	20·1	3rd, 4th	58·8	24th	1·9	1·6	1·7	·200	·202	·201	84	87	86
April -	·314	44·5	42·1	43·3	37·3	51·7	32·3	16th	62·0	18th	2·2	1·5	1·9	·245	·236	·241	83	88	85
May -	·418	55·8	52·7	54·2	47·1	62·6	38·0	2nd	78·4	22nd	3·3	2·0	2·6	·353	·344	·348	79	86	83
June -	·625	59·9	56·9	58·4	50·6	69·1	43·7	1st	80·5	2nd	4·2	2·8	3·5	·388	·382	·385	75	82	78
July -	·516	60·4	57·5	59·0	51·5	67·8	44·9	19th	77·7	30th	4·7	2·8	3·8	·382	·391	·387	73	83	78
August -	·456	59·7	56·7	58·2	51·1	67·3	43·2	25th	80·5	1st	4·0	2·8	3·4	·391	·379	·385	76	82	79
September	·611	55·4	52·7	54·0	47·5	62·4	34·9	23rd	75·8	11th	3·1	2·2	2·6	·352	·339	·345	80	85	83
October -	·261	47·3	46·5	46·9	41·5	54·2	30·4	13th	58·1	17th	1·4	0·9	1·2	·292	·295	·294	89	93	91
November	·775	43·1	42·0	42·6	38·4	48·4	25·9	28th	58·5	8th	1·1	0·7	0·9	·254	·251	·252	91	94	92
December	29·742	36·2	35·8	36·0	31·4	41·0	19·9	29th	52·2	17th	0·7	0·9	0·8	·199	·192	·196	93	91	92
Year -	29·539	47·5	46·0	46·8	40·9	54·3	—	—	—	—	2·4	1·7	2·0	·284	·282	·283	83·6	87·8	85·7

CHELTENHAM

Long. 2° 3′ W. Lat. 51° 54′ N. Height above Mean Sea Level, 184 feet. Gravity Correction, + ·019.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·957	36·8	37·4	37·1	32·1	41·1	19·0	4th	53·1	31st	0·9	1·0	1·0	·200	·204	·202	92	91	92
February -	·716	36·6	35·9	36·3	30·2	43·1	7·0	12th	56·5	17th	1·4	1·3	1·3	·189	·185	·187	87	83	87
March -	·768	40·2	39·4	39·8	34·0	47·3	26·1	22nd	60·3	29th	1·5	1·1	1·3	·218	·219	·219	88	91	90
April -	·515	45·4	44·2	44·8	38·7	52·0	28·8	16th	63·0	18th	2·5	1·5	2·0	·247	·256	·251	81	88	84
May -	·609	55·9	53·9	54·9	47·2	63·1	40·1	19th	76·1	22nd	3·2	1·8	2·5	·357	·365	·361	80	88	84
June -	·834	60·0	58·0	59·0	50·3	69·9	43·2	13th	80·2	26th	3·4	2·3	2·9	·412	·412	·412	80	85	83
July -	·719	60·1	58·2	59·1	51·0	68·8	39·0	19th	78·5	6th	4·2	2·7	3·4	·391	·404	·398	75	83	79
August -	·670	59·8	56·5	58·2	49·7	67·1	37·2	25th	78·3	30th	3·7	2·0	2·9	·401	·399	·400	78	87	82
September	·847	56·2	53·4	54·8	47·4	63·5	32·8	26th	79·4	12th	2·4	1·5	1·9	·381	·366	·373	84	89	87
October -	29·469	47·3	45·5	46·4	39·9	54·4	29·0	13th	58·4	5th	1·2	0·7	1·0	·297	·288	·293	91	94	92
November	30·003	44·3	43·6	43·9	37·6	50·6	21·6	29th	58·0	7th	1·0	0·9	0·9	·263	·263	·263	92	93	93
December	29·956	37·5	37·1	37·3	31·4	42·4	19·8	29th	53·5	23rd	0·8	0·9	0·9	·208	·203	·206	92	92	92
Year -	29·755	48·4	46·9	47·6	40·8	55·3	—	—	—	—	2·2	1·5	1·8	·297	·297	·297	85·0	89·1	87·1

GELDESTON.

Heights above Ground:—Barometer, 10 feet. Thermometers, 4 feet 6 inches. Rain-gauge, 1 foot

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	8·2	6·8	7·5	0·830	·250	11th	13	1	0	0	2	17	0	5	7	4	3	5	11	21	4	2
February -	6·7	6·3	6·5	1·310	·140	3, 10	20	15	10	0	4	9	2	11	10	2	1	0	6	20	6	0
March -	7·5	5·6	6·6	0·830	·350	7th	13	7	4	1	5	11	0	9	7	2	2	9	7	13	10	3
April -	8·8	6·6	7·7	2·310	·690	24th	25	1	2	2	0	15	0	10	7	11	3	6	12	6	4	1
May -	7·2	6·4	6·8	2·690	·660	27th	12	0	0	3	5	17	0	10	13	9	4	10	8	5	3	0
June -	6·6	5·2	5·9	1·710	·950	9th	4	0	0	3	6	11	0	11	24	8	4	1	1	5	3	3
July -	7·2	6·4	6·8	2·220	·740	13th	16	0	1	6	1	12	0	9	5	7	3	7	11	11	9	0
August -	6·7	5·9	6·3	2·660	·440	10th	18	0	0	5	3	10	0	1	2	2	2	4	22	21	5	3
September -	6·6	5·9	6·3	3·480	1·230	24th	11	0	0	1	5	11	0	7	7	5	3	1	10	16	7	4
October -	6·8	4·8	5·8	3·770	·510	16th	20	0	0	2	4	9	0	6	3	4	6	16	13	8	4	2
November -	7·5	7·2	7·4	1·190	·250	28th	13	3	2	0	5	18	0	2	3	4	5	6	8	20	8	4
December -	8·0	7·6	7·8	1·110	·280	21st	17	2	1	0	1	19	0	3	2	9	2	4	19	17	3	3
Year -	7·3	6·2	6·8	24·110	—	—	182	29	20	23	41	159	2	84	90	67	38	69	128	163	66	25

BENNINGTON.

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

				ins.	ins.																	
January -	8·3	8·1	8·2	1·100	·360	9th	15	2	0	0	1	22	0	9	7	2	6	6	9	11	2	10
February -	7·2	7·3	7·2	1·980	·570	6th	17	18	3	0	2	12	0	9	9	2	0	1	6	25	4	0
March -	7·2	6·2	6·7	1·430	·330	20th	16	7	2	0	7	16	0	7	4	7	8	4	9	17	1	5
April -	8·1	6·5	7·3	2·890	·460	24th	25	1	5	7	0	15	0	8	7	9	5	5	9	11	2	4
May -	7·1	6·5	6·8	4·220	1·370	11th	19	0	1	7	4	15	0	3	9	5	9	10	10	3	0	13
June -	6·5	5·2	5·9	2·090	·970	7th	7	0	0	6	7	10	0	3	19	12	4	2	4	2	2	12
July -	7·2	6·6	6·9	4·930	2·510	12th	17	0	2	4	2	13	0	1	8	5	4	9	11	12	5	7
August -	7·1	5·2	6·1	2·000	·300	21st	18	0	0	5	3	7	0	0	0	2	2	3	26	23	4	2
September -	6·7	6·0	6·4	2·130	·720	24th	14	0	0	3	3	12	0	1	10	6	6	4	7	14	10	2
October -	7·1	7·2	7·1	3·990	·980	16th	27	0	1	1	2	15	0	7	4	7	9	9	11	4	3	8
November -	7·9	6·8	7·4	1·020	·390	3rd	15	2	1	0	4	18	0	0	0	6	6	10	10	14	5	9
December -	7·6	7·3	7·4	1·370	·220	21st	20	6	0	0	2	17	0	1	3	5	4	15	10	9	5	10
Year -	7·3	6·6	7·0	29·150	—	—	210	36	15	33	37	172	0	49	80	68	63	78	122	145	43	82

CHELTENHAM.

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

				ins.	ins.																	
January -	8·2	8·7	8·5	0·760	·270	9th	15	2	0	0	0	20	1	5	0	0	3	5	11	5	4	29
February -	7·6	6·5	7·0	1·460	·430	10th	16	13	1	0	1	10	0	8	7	2	0	1	8	10	7	13
March -	7·4	7·2	7·3	4·110	2·060	8th	17	6	1	0	3	14	2	7	0	1	7	7	7	14	4	15
April -	8·2	7·4	7·8	3·520	·700	23rd	23	0	4	3	0	18	0	8	1	2	4	9	3	13	8	12
May -	7·2	7·3	7·3	4·380	1·240	7th	13	0	0	5	1	11	2	4	1	1	4	17	6	4	7	18
June -	6·1	5·0	5·5	0·660	·330	1st	6	0	0	1	2	8	0	9	6	4	1	3	3	3	5	26
July -	7·6	6·6	7·1	2·800	1·220	13th	17	0	0	3	0	10	0	1	3	3	2	5	7	12	8	21
August -	7·4	5·6	6·5	1·790	·360	19th	16	0	0	2	2	10	0	1	0	0	0	2	18	18	2	21
September -	7·3	5·6	6·5	2·240	1·060	23rd	9	0	0	0	5	11	0	4	1	3	2	3	5	8	5	29
October -	7·6	5·0	6·3	2·520	·420	27th	24	0	0	0	3	11	1	4	3	3	4	6	11	6	1	24
November -	7·4	7·0	7·2	1·210	·320	3rd	11	0	1	0	1	16	1	0	0	0	13	7	5	8	5	22
December -	7·4	6·6	7·0	1·620	·480	6th	14	2	0	0	0	13	0	0	0	2	7	15	7	10	0	21
Year -	7·5	6·5	7·0	27·070	—	—	181	23	7	14	18	152	7	51	22	21	47	80	91	111	56	251

ST. DAVID'S (PEMBROKE)

Long. 5° 16′ W. Lat. 51° 53′ N. Height above Mean Sea Level, 215 feet. Gravity Correction, + ·018.

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·938	43·1	43·1	43·1	39·0	46·1	29·5	3rd	50·5	31st	1·5	1·6	1·6	·250	·248	·249	88·1	88·0	88·1
February -	·769	40·8	40·0	40·4	36·4	45·0	27·3	25th	51·1	16th	1·7	1·7	1·7	·228	·216	·222	86·3	84·9	85·6
March -	·768	42·8	41·5	42·2	38·3	46·4	27·1	1st	56·2	29th	1·8	1·6	1·7	·241	·232	·237	85·8	87·2	86·5
April -	·513	46·5	44·5	45·5	41·4	49·9	36·4	10th	54·6	18th	2·3	1·7	2·0	·265	·258	·262	83·6	88·0	85·8
May -	·577	52·9	49·3	51·1	46·4	57·3	41·4	26th	64·8	21st	1·9	1·0	1·5	·352	·327	·340	87·6	92·8	90·2
June -	·828	60·3	53·9	57·1	50·1	63·5	45·1	16th	**71·2**	**22nd**	3·5	1·2	2·4	·418	·384	·401	79·9	92·1	86·0
July -	·715	59·3	56·2	57·8	52·5	63·9	49·2	8th	69·8	30th	2·5	1·1	1·8	·429	·421	·425	85·1	93·0	89·1
August -	·660	59·1	56·5	57·8	53·5	63·4	46·6	11th	70·2	30th	2·0	1·3	1·7	·439	·420	·430	87·5	91·6	89·6
September	·835	57·3	55·7	56·5	52·3	61·3	42·1	17th	69·9	6th	2·0	1·8	1·9	·416	·398	·407	87·1	88·3	87·7
October -	·443	50·4	48·8	49·6	45·0	54·6	35·6	26th	59·2	10th	1·8	1·5	1·7	·321	·309	·315	87·2	89·5	88·4
November	·979	48·2	47·8	48·0	44·4	51·8	31·9	27th	60·4	9th	1·8	1·5	1·7	·301	·301	·301	87·5	88·8	88·2
December	29·920	43·3	43·5	43·4	39·8	47·6	**26·8**	**28th**	52·7	18th	1·7	1·6	1·7	·249	·254	·252	86·4	87·6	87·0
Year -	29·745	50·3	48·4	49·4	44·9	54·2	—	—	—	—	2·0	1·5	1·8	·326	·314	·320	86·0	89·3	87·7

CARMARTHEN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·960	40·0	40·3	40·2	35·5	44·8	24·3	4th	51·6	31st	1·5	1·4	1·5	·221	·226	·224	87·9	88·5	88·2
February -	·763	40·5	38·7	39·6	33·8	46·1	23·5	10th	53·4	20th	2·4	2·3	2·4	·211	·193	·202	81·5	80·0	80·8
March -	·784	43·3	40·1	41·7	35·5	48·9	**22·1**	**3rd**	60·2	29th	2·9	1·7	2·3	·225	·217	·221	78·7	85·9	82·3
April -	·518	48·1	44·2	46·2	39·8	52·7	32·1	15th	62·3	18th	3·5	1·9	2·7	·257	·249	·253	76·9	86·2	81·6
May -	·589	57·7	51·1	54·4	46·7	61·9	37·2	11th	73·6	21st	4·5	2·1	3·3	·353	·324	·339	74·7	86·3	80·5
June -	·834	65·0	56·4	60·7	50·5	69·5	42·8	12, 13	**78·1**	**22nd**	7·3	3·0	5·2	·387	·371	·379	63·7	81·7	72·7
July -	·725	62·3	56·7	59·5	51·4	67·6	43·9	17th	77·0	6th	5·6	2·6	4·1	·393	·387	·390	70·6	83·7	77·2
August -	·681	61·5	55·4	58·5	50·8	66·3	44·5	12, 25	76·1	30th	4·7	2·0	3·4	·404	·385	·395	74·4	87·3	80·9
September	·844	58·1	53·9	56·0	49·5	64·0	34·4	23, 26	77·1	12th	3·3	2·0	2·7	·394	·371	·383	80·8	87·0	83·9
October -	·451	49·9	46·0	48·0	41·4	56·0	30·5	14th	62·7	2nd	2·4	1·2	1·8	·303	·284	·294	84·4	91·0	87·7
November	·997	46·7	45·3	46·0	40·6	52·1	23·5	29th	60·0	8th	1·5	1·1	1·3	·291	·285	·288	89·1	91·7	90·4
December	29·952	40·1	39·7	39·9	33·7	46·8	23·5	12th	52·2	22nd	1·2	1·2	1·2	·228	·226	·227	89·2	88·6	88·9
Year -	29·758	51·1	47·3	49·2	42·4	56·4	—	—	—	—	3·4	1·9	2·7	·306	·293	·300	79·3	86·5	82·9

BERKHAMSTED

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·742	33·5	35·4	34·5	30·1	40·3	13·1	6th	50·6	31st	0·4	0·7	0·6	·183	·193	·188	95	93	94
February -	·476	34·7	34·7	34·7	30·1	41·9	**12·8**	**13th**	56·4	17th	1·1	0·9	1·0	·179	·183	·181	89	91	90
March -	·555	38·8	38·1	38·4	32·6	47·2	17·6	4th	59·1	29th	1·8	1·5	1·6	·200	·199	·200	85	87	86
April -	·318	44·2	42·4	43·3	37·2	51·7	29·9	16th	61·3	18th	2·2	1·4	1·8	·241	·240	·240	83	89	86
May -	·421	55·8	52·2	54·0	46·3	62·9	37·3	2nd	78·1	23rd	3·8	1·9	2·9	·340	·340	·340	76	87	82
June -	·627	60·5	57·1	58·8	50·2	68·9	45·4	17th	79·5	2nd	4·7	2·6	3·6	·384	·389	·387	73	83	78
July -	·519	60·4	57·4	58·9	51·2	68·1	42·8	19th	78·7	30th	5·0	2·7	3·9	·374	·393	·383	71	83	77
August -	·470	59·2	56·3	57·8	50·6	67·7	42·5	27th	**81·1**	**1st**	3·8	2·3	3·0	·388	·385	·387	77	85	81
September	·632	55·2	51·9	53·5	46·6	63·6	32·5	17th	77·8	11th	3·1	1·8	2·5	·349	·339	·344	80	88	84
October -	·276	46·5	46·0	46·3	41·1	54·7	31·3	13th	58·7	15, 17	1·2	0·8	1·0	·288	·292	·290	91	94	92
November	·797	42·6	41·3	41·9	37·6	48·9	25·3	28th	59·3	7th	1·0	0·8	0·9	·251	·242	·246	92	93	93
December	29·759	35·2	35·7	35·5	31·0	41·4	17·8	29th	53·2	17th	0·5	0·7	0·6	·195	·195	·195	95	93	94
Year -	29·549	47·2	45·7	46·5	40·4	54·8	—	—	—	—	2·4	1·5	2·0	·281	·283	·282	83·9	88·8	86·4

ST. DAVID'S (PEMBROKE).

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of: Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	8·2	7·3	7·8	1·689	·454	11th	19	0	1	0	0	15	0	5	5	5	10	6	9	7	10	5
February - -	7·3	5·6	6·5	2·393	·424	10th	22	10	7	0	2	8	4	7	10	2	1	0	8	8	17	3
March - -	7·4	5·4	6·4	1·315	·252	19th	21	4	1	0	1	12	2	6	5	7	6	3	8	7	16	4
April - -	8·0	5·0	6·5	1·985	·295	3rd	19	0	2	0	1	7	0	8	11	4	4	3	11	5	13	1
May - -	8·3	5·5	6·9	2·956	·692	30th	16	0	0	1	1	12	0	4	4	1	11	9	14	0	14	5
June - -	4·7	4·0	4·4	0·432	·272	8th	5	0	0	0	4	2	0	14	13	0	4	7	8	1	7	6
July - -	7·5	5·7	6·6	2·753	·672	20th	13	0	0	1	2	9	0	6	7	2	5	2	10	8	11	11
August - -	7·5	4·8	6·2	2·915	·595	4th	15	0	0	0	1	7	1	2	3	1	2	4	26	15	8	1
September -	8·3	5·4	6·9	2·220	**1·397**	**23rd**	14	0	1	0	2	13	0	7	2	4	14	5	8	4	11	5
October - -	7·3	6·4	6·9	4·028	·672	18th	22	0	0	0	1	13	1	5	10	6	5	3	14	7	9	3
November -	8·6	7·4	8·0	2·613	·622	2nd	21	1	3	1	0	15	0	1	0	4	14	8	11	6	10	6
December -	7·5	6·1	6·8	3·366	·452	12th	22	0	6	0	0	11	1	1	2	6	10	7	23	6	6	1
Year -	7·6	5·7	6·7	28·665	—	—	209	15	21	3	15	124	9	66	72	42	86	57	150	74	132	51

CARMARTHEN.

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

				ins.	ins.																	
January - -	8·1	7·8	8·0	2·390	·620	28th	16	0	1	0	1	20	0	12	2	6	5	1	7	8	3	18
February - -	7·3	5·5	6·4	2·870	·540	13th	20	7	2	0	3	11	2	14	2	3	2	0	6	6	10	13
March - -	7·8	5·7	6·8	3·360	·910	19th	15	4	0	0	3	14	0	5	7	5	5	5	7	6	6	16
April - -	8·1	7·2	7·7	2·210	·330	3rd	19	0	2	1	1	18	0	11	3	8	3	5	10	2	7	11
May - -	7·4	6·4	6·9	3·320	·690	30th	18	0	1	0	3	15	0	7	1	3	8	12	8	1	3	19
June - -	4·7	3·5	4·1	0·850	·340	1st	7	0	0	0	11	7	0	15	10	4	1	4	8	2	2	14
July - -	6·8	5·5	6·2	3·730	·800	9th	15	0	0	0	5	9	0	8	0	4	3	4	7	12	10	14
August - -	7·5	4·5	6·0	3·780	·920	2nd	21	0	0	0	2	7	0	5	1	2	0	3	18	20	11	2
September -	7·6	5·5	6·6	3·000	**1·680**	**23rd**	14	0	1	0	4	12	0	7	2	10	5	1	7	3	11	14
October - -	7·0	6·0	6·5	5·590	·660	18th	25	0	1	0	2	12	1	3	6	7	6	3	11	10	0	16
November -	8·6	7·1	7·9	3·510	·680	2, 24	16	2	1	1	0	18	0	6	1	6	5	6	5	6	3	22
December -	7·9	6·2	7·1	4·010	·610	6th	19	0	2	0	2	15	0	2	3	6	2	1	17	7	2	22
Year -	7·4	5·9	6·7	38·620	—	—	205	13	11	2	37	158	3	95	38	64	45	45	111	83	68	181

BERKHAMSTED.

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

				ins.	ins.																	
January - -	8·3	7·6	8·0	1·390	·517	9th	15	3	0	0	2	20	0	12	3	2	9	5	7	9	10	5
February - -	7·3	6·9	7·1	2·547	·600	10th	18	18	6	0	1	11	1	8	8	1	0	2	6	17	13	1
March - -	7·7	6·4	7·0	2·128	·481	19th	17	8	3	0	4	15	0	7	4	4	6	5	3	15	11	7
April - -	8·1	5·6	6·9	2·941	·535	24th	23	1	6	2	1	12	0	4	7	8	5	5	7	10	9	5
May - -	7·3	6·0	6·6	3·781	**1·378**	**26th**	16	0	1	5	4	14	0	7	7	9	8	9	5	8	2	7
June - -	6·9	6·9	6·9	0·668	·288	10th	7	0	0	3	3	16	0	16	18	5	2	2	4	5	4	4
July - -	7·0	6·4	6·7	3·345	1·194	12th	16	0	1	6	1	9	0	6	5	2	5	7	7	13	8	9
August - -	6·3	5·0	5·7	2·281	·608	21st	16	0	1	4	4	6	0	0	0	1	1	8	16	25	7	4
September -	6·4	5·0	5·7	1·604	·624	24th	10	0	1	1	5	5	0	4	6	3	2	5	3	10	12	15
October - -	7·2	6·0	6·6	3·566	·421	19th	22	0	1	0	3	11	0	7	8	3	6	7	6	9	4	12
November -	7·7	7·0	7·3	1·392	·689	24th	8	1	1	0	5	18	0	0	2	6	8	8	2	12	11	11
December -	8·6	7·0	7·8	1·226	·287	21st	19	6	0	0	1	19	0	2	4	5	3	7	10	8	6	17
Year -	7·4	6·3	6·9	26·869	—	—	187	37	21	21	34	156	1	73	72	49	55	70	76	141	97	97

KEW

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·163	35·5	37·7	36·6	32·0	41·0	19·7	6th	53·0	31st	1·1	1·3	1·2	·187	·201	·194	90	89	90
February -	29·890	36·2	37·0	36·6	32·3	42·5	14·9	13th	55·8	1st	1·9	1·9	1·9	·178	·184	·181	84	84	84
March -	·969	39·9	40·7	40·3	34·2	47·3	20·9	4th	58·3	24th	2·3	2·3	2·3	·201	·208	·205	82	82	82
April -	·723	45·7	44·7	45·2	39·8	52·6	33·6	16th	61·9	18, 19	2·4	2·0	2·2	·254	·251	·253	83	86	85
May -	29·815	56·5	54·8	55·7	48·9	64·0	41·9	1st	77·9	24th	3·2	2·4	2·8	·366	·362	·364	80	85	83
June -	30·014	60·8	60·5	60·7	52·6	69·5	45·8	1st	79·2	6th	4·0	4·0	4·0	·407	·403	·405	78	77	78
July -	29·915	61·2	59·7	60·5	53·5	68·4	47·0	19, 24	76·7	6th	4·6	3·2	3·9	·397	·414	·406	74	81	78
August -	29·869	59·6	58·3	59·0	52·1	67·8	45·1	25th	80·2	1st	3·3	2·5	2·9	·409	·411	·410	80	84	82
September	30·030	55·6	54·0	54·8	48·1	63·5	34·7	17th	76·3	11th	3·0	2·3	2·7	·360	·352	·356	81	84	83
October -	29·675	47·4	47·5	47·5	42·4	54·3	32·0	13th	59·1	16th	1·3	1·0	1·2	·296	·304	·300	91	93	92
November	30·208	43·6	43·6	43·6	39·1	49·3	29·3	30th	57·1	15th	1·1	1·3	1·2	·259	·255	·257	91	89	90
December	30·177	36·8	37·5	37·2	32·7	41·7	22·7	29th	52·0	17th	0·8	1·1	1·0	·202	·203	·203	93	91	92
Year -	29·954	48·2	48·0	48·1	42·3	55·2	—	—	—	—	2·4	2·1	2·3	·293	·296	·295	83·9	85·4	84·7

MARGATE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·070	37·7	38·8	38·3	33·9	42·2	24·8	5th	53·8	31st	1·1	1·1	1·1	·205	·217	·211	90·2	91·0	90·6
February -	29·776	36·6	37·0	36·8	32·7	41·8	16·4	13th	54·8	1st	1·7	1·3	1·5	·185	·197	·191	82·4	87·6	85·0
March -	·886	40·0	39·9	40·0	34·4	45·4	24·6	2nd	57·0	24th	1·7	1·7	1·7	·216	·215	·216	85·8	85·1	85·5
April -	·654	45·9	43·2	44·6	39·7	50·9	34·0	11th	62·5	19th	2·0	1·3	1·7	·265	·253	·259	85·6	90·1	87·9
May -	·756	55·2	52·1	53·7	48·3	60·9	40·9	3rd	74·0	24 25th	2·7	1·4	2·1	·362	·354	·358	83·2	90·5	86·9
June -	·939	60·3	57·5	58·9	53·7	65·0	48·6	1st	82·8	2nd	3·0	1·8	2·4	·432	·421	·427	82·9	88·8	85·9
July -	·852	60·9	58·1	59·5	54·3	66·7	47·1	23rd	76·0	10th	3·7	2·0	2·9	·421	·423	·422	79·1	87·6	83·4
August -	·805	61·1	57·8	59·5	53·1	67·9	46·8	25th	80·0	1st	3·8	2·0	2·9	·420	·420	·420	78·0	87·3	82·7
September	·946	57·4	55·5	56·5	51·0	62·6	38·5	23rd	76·7	11th	3·3	2·5	2·9	·385	·377	·381	79·8	83·9	81·9
October -	29·620	50·8	49·3	50·1	44·9	55·5	38·3	13th	58·5	15th	2·1	1·6	1·9	·319	·313	·316	85·9	89·1	87·5
November	30·134	44·9	44·6	44·8	39·9	49·7	30·0	27th	57·8	7th	1·4	1·4	1·4	·271	·270	·271	89·2	89·4	89·3
December	30·112	38·3	38·7	38·5	34·4	42·7	26·0	29th	53·3	22nd	1·0	1·1	1·1	·216	·217	·217	89·9	89·7	89·8
Year -	29·879	49·1	47·7	48·4	43·4	54·3	—	—	—	—	2·3	1·6	2·0	·308	·306	·307	84·3	88·3	86·3

SOUTHAMPTON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·108	37·1	38·4	37·8	34·0	43·6	20·7	6th	53·6	31st	0·8	1·1	1·0	·209	·216	·213	93·2	91·0	92·1
February -	29·865	38·0	38·0	38·0	33·4	45·6	21·8	12th	55·8	17th	1·4	1·4	1·4	·206	·205	·206	86·7	86·3	86·5
March -	·918	42·0	40·6	41·3	35·2	50·0	25·4	5th	67·6	29th	2·0	1·6	1·8	·231	·224	·228	84·4	86·4	85·4
April -	·667	48·0	44·9	46·5	40·3	54·7	32·8	16th	63·7	19th	2·7	1·5	2·1	·272	·266	·269	81·6	89·4	85·5
May -	·757	57·8	54·5	56·2	49·9	65·0	44·0	11th	80·4	23rd	3·2	1·8	2·5	·388	·377	·383	81·1	88·3	84·7
June -	·948	64·1	60·5	62·3	53·3	71·9	47·9	1st	84·1	27th	4·9	2·9	3·9	·442	·438	·440	73·9	82·9	78·4
July -	·866	63·2	59·7	61·5	54·2	70·0	49·0	19th	79·6	6th	4·5	2·3	3·4	·435	·440	·438	75·5	86·1	80·8
August -	·834	62·6	57·7	60·2	52·4	69·1	44·8	27th	80·6	30th	4·0	2·0	3·0	·441	·420	·431	77·9	87·6	82·8
September	·982	58·4	54·7	56·6	49·2	66·5	35·2	23rd	83·9	12th	3·3	2·2	2·8	·399	·376	·388	80·3	85·7	83·0
October -	29·620	49·6	48·3	49·0	43·5	57·2	32·4	13th	62·0	17th	1·3	1·0	1·2	·324	·316	·320	91·1	93·1	92·1
November	30·158	45·6	45·3	45·5	41·1	51·5	28·4	28th	58·7	15th	0·9	1·1	1·0	·293	·284	·289	93·2	91·5	92·4
December	30·127	38·2	38·7	38·5	34·1	44·2	24·9	4th	52·9	22nd	0·6	0·9	0·8	·226	·222	·224	93·9	91·6	92·8
Year -	29·904	50·4	48·4	49·4	43·4	57·4	—	—	—	—	2·5	1·7	2·1	·322	·315	·319	84·4	88·3	86·4

KEW.

Heights above Ground :—Barometer, 16 feet. Thermometers, 10 feet. Rain-gauge, 2 feet.

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
	10 a.m.	10 p.m.		ins.	ins.																	
January -	7·9	7·6	7·8	0·915	·280	9th	18	1	0	0	1	18	0	11	2	2	1	7	7	5	3	24
February -	7·6	6·6	7·1	2·070	·495	10th	18	15	1	0	2	14	0	15	6	1	0	0	8	15	8	3
March -	8·3	5·5	6·9	1·360	·300	7th	18	3	0	0	0	14	0	7	5	3	1	10	8	12	6	10
April -	8·1	5·6	6·9	2·235	·435	9th	25	1	4	3	1	13	0	7	8	8	1	8	14	3	3	8
May -	7·3	5·1	6·2	3·045	1·510	26th	17	0	2	4	3	11	0	3	6	5	5	11	8	2	2	20
June -	6·7	5·5	6·1	1·280	·435	15th	7	0	1	2	3	11	0	13	16	5	2	0	2	4	2	16
July -	7·2	6·0	6·6	3·050	·640	12th	18	0	2	6	1	13	0	3	4	4	4	5	16	7	3	16
August -	6·8	4·7	5·8	2·165	·335	21st	18	0	1	3	2	6	0	0	0	2	0	7	20	16	5	12
September	7·3	4·7	6·0	1·570	·795	24th	14	0	0	1	2	8	0	7	6	1	2	1	10	11	4	18
October -	7·2	6·4	6·8	3·990	·675	19th	28	0	0	1	2	13	0	5	4	3	1	8	13	3	0	25
November	8·6	6·8	7·7	0·720	·260	24th	16	2	0	0	3	20	0	2	0	5	3	7	6	8	5	24
December	7·7	7·4	7·6	1·195	·275	21st	21	3	0	0	2	18	0	3	4	4	2	9	13	6	1	20
Year -	7·6	6·0	6·8	23·595	—	—	218	25	11	20	22	159	0	76	61	43	22	73	125	92	42	196

MARGATE.

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

				ins.	ins.																	
January -	8·0	7·4	7·7	0·790	·160	29th	15	0	1	0	2	19	0	5	6	10	3	6	11	11	2	8
February -	7·1	6·8	7·0	2·060	·410	6th	20	12	7	0	1	11	1	10	5	8	0	0	21	6	5	1
March -	6·8	5·8	6·3	1·270	·250	10th	16	6	0	0	4	13	0	10	3	10	1	7	9	16	3	3
April -	7·3	6·5	6·9	1·930	·300	10th	19	0	2	0	2	14	0	15	1	8	0	10	7	14	5	0
May -	6·9	6·4	6·7	2·010	·680	10th	12	0	0	3	2	13	0	4	5	7	3	18	13	6	0	6
June -	6·3	4·7	5·5	1·440	·820	9th	4	0	0	1	4	8	0	18	15	5	3	6	2	4	0	7
July -	7·1	6·6	6·9	3·040	·930	16th	19	0	2	3	4	15	0	7	0	9	4	3	17	16	3	3
August -	5·6	4·9	5·3	2·180	·330	21st	16	0	0	0	5	8	0	0	0	0	0	6	19	33	3	1
September	6·2	3·8	5·0	1·140	·350	24th	11	0	0	1	7	8	0	1	1	12	2	6	12	14	4	8
October -	6·1	4·7	5·4	4·970	·540	28th	23	0	1	0	4	7	0	9	1	5	6	15	14	5	0	7
November	7·7	5·7	6·7	0·850	·450	3rd	11	2	0	0	5	15	0	7	1	5	6	9	4	13	2	13
December	8·3	7·3	7·8	1·100	·290	21, 22	13	2	0	0	3	21	0	0	0	13	4	8	12	11	1	13
Year -	7·0	5·9	6·5	22·780	—	—	179	22	13	8	43	152	1	86	38	92	32	94	141	149	28	70

SOUTHAMPTON.

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

				ins.	ins.																	
January -	8·0	6·5	7·3	0·813	·400	9th	11	1	0	0	2	17	0	6	18	3	5	1	9	4	9	7
February -	7·4	6·5	7·0	1·911	·450	10th	17	11	3	0	3	14	1	4	12	1	1	1	7	12	18	0
March -	8·1	6·1	7·1	2·694	·796	7th	16	4	1	1	4	16	0	3	13	4	4	3	16	5	11	3
April -	8·3	4·7	6·5	2·086	·425	8th	21	0	3	2	2	11	0	4	14	2	5	1	18	4	11	1
May -	8·6	6·5	7·6	2·713	1·210	26th	16	0	0	1	2	18	0	1	11	3	8	5	20	6	7	1
June -	6·4	5·9	6·2	0·411	·160	7th	7	0	0	2	5	11	0	7	22	4	4	0	10	2	6	5
July -	7·4	6·6	7·0	2·681	·430	23rd	18	0	1	2	4	16	0	2	9	2	4	4	21	8	11	1
August -	7·3	4·4	5·9	2·129	·317	2, 19	18	0	0	1	5	8	0	0	1	1	4	1	31	12	9	3
September	7·5	4·3	5·9	1·051	·458	24th	6	0	0	0	4	10	0	3	12	3	6	1	14	5	11	5
October -	7·1	4·8	6·0	5·366	1·083	3rd	20	0	1	0	4	9	0	2	14	5	7	1	15	6	9	3
November	7·9	6·0	7·0	1·513	·657	24th	6	0	0	0	5	17	0	1	13	7	7	1	8	8	14	1
December	8·1	7·0	7·6	2·050	·394	22nd	19	2	0	0	2	17	0	2	12	5	4	1	18	6	8	6
Year -	7·7	5·8	6·8	25·418	—	—	175	18	9	9	42	164	1	35	151	40	59	20	187	78	124	36

EASTBOURNE

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·148	38·1	39·9	39·0	35·2	44·8	24·0	7th	51·1	27th	1·3	1·2	1·3	·208	·226	·217	89·0	90·5	89·8
February -	29·871	38·1	37·8	38·0	34·3	44·2	25·0	12, 13	53·2	17th	1·3	1·0	1·2	·208	·210	·209	88·0	90·1	89·1
March -	·965	40·9	40·4	40·7	36·2	47·2	24·8	4th	55·5	29th	2·0	1·5	1·8	·218	·224	·221	83·0	86·6	84·8
April -	·723	45·8	45·1	45·5	41·7	50·4	34·0	16th	57·1	20th	1·5	1·3	1·4	·275	·272	·274	88·6	90·7	89·7
May -	·814	54·3	53·3	53·8	49·7	59·5	44·0	1st, 3rd	73·0	25th	2·0	2·0	2·0	·367	·356	·362	86·8	87·5	87·2
June -	·984	60·7	58·3	59·0	54·1	67·1	50·0	1, 13, 19	78·0	6th	3·4	2·8	3·1	·425	·407	·416	80·1	83·2	81·7
July -	·918	60·7	59·6	60·2	55·4	65·4	52·0	23rd	70·4	6th	3·4	2·5	3·0	·429	·435	·432	81·0	85·4	83·2
August -	29·882	60·6	59·7	60·2	55·7	64·6	48·3	25th	72·0	31st	3·6	2·9	3·3	·419	·425	·422	79·1	83·0	81·1
September	30·019	58·0	56·3	57·2	51·5	62·9	43·0	23, 25	76·4	12th	3·9	3·1	3·5	·381	·377	·379	77·0	81·3	79·2
October -	29·678	51·1	51·2	51·2	46·2	56·5	40·4	15, 24	60·1	2nd	1·8	1·8	1·8	·329	·332	·331	87·4	87·9	87·7
November	30·202	46·9	47·0	47·0	43·1	51·4	29·5	28th	58·0	8th	1·6	1·9	1·8	·290	·286	·288	87·6	86·5	87·1
December	30·175	40·6	40·7	40·7	36·6	46·6	27·0	29th	57·2	25th	1·6	1·6	1·6	·225	·227	·226	86·9	87·4	87·2
Year -	29·948	49·7	49·1	49·4	45·0	55·1	—	—	—	—	2·3	2·0	2·2	·315	·315	·315	84·5	86·7	85·6

ROUSDON

Long. 3° 0′ W. Lat. 50° 42′ N. Height above Mean Sea Level, 523 feet. Gravity Correction, + ·014.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·606	38·1	38·6	38·4	34·2	44·3	26·1	5th	51·4	31st	0·9	1·0	1·0	·212	·214	·213	92	91	92
February -	·396	37·8	36·9	37·3	32·0	44·2	23·9	10th	54·3	17th	1·5	1·4	1·4	·197	·192	·195	87	88	87
March -	·424	40·8	38·5	39·7	33·6	47·8	23·7	2nd	61·0	29th	2·0	1·6	1·8	·214	·202	·208	84	87	86
April -	·180	45·1	42·2	43·6	38·1	51·7	33·0	6th	58·7	18th	1·9	1·1	1·5	·257	·245	·251	85	91	88
May -	·264	54·1	49·8	52·0	46·3	59·5	41·0	1st, 11th	69·9	21st	2·4	1·4	1·9	·352	·322	·337	84	90	87
June -	·473	61·2	55·8	58·5	50·6	68·6	44·5	11th	79·4	20, 26	4·5	2·7	3·6	·400	·367	·383	74	82	78
July -	·399	59·0	55·4	57·2	50·7	65·9	44·0	22nd	76·5	5th	3·3	1·7	2·5	·399	·388	·394	80	88	84
August -	·368	58·4	54·3	56·3	50·2	64·6	44·4	8th	73·3	31st	2·5	1·4	2·0	·412	·381	·396	84	90	87
September	·509	56·5	52·4	54·5	49·2	62·7	37·5	21st	73·3	12th	2·5	1·6	2·0	·384	·351	·368	84	89	86
October -	·124	48·7	46·3	47·5	42·6	54·3	38·2	10th	58·3	12th	1·5	1·1	1·3	·306	·288	·297	89	91	90
November	·657	46·1	45·0	45·5	41·6	50·8	27·1	28th	58·4	8th	0·9	1·0	1·0	·290	·275	·282	93	92	93
December	29·621	39·4	39·1	39·3	34·6	45·3	26·6	28th	53·1	16th	1·0	1·2	1·1	·221	·214	·218	92	90	91
Year -	29·418	48·8	46·2	47·5	42·0	55·0	—	—	—	—	2·1	1·4	1·8	·304	·287	·295	85·7	89·1	87·4

DARTMOOR

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	—	38·8	36·3	37·6	32·2	43·3	23·2	5 th	54·9	31st	1·4	1·3	1·4	·212	·192	·202	86·1	86·5	86·3
February -	—	35·1	32·6	33·9	27·3	40·7	18·4	10th	57·4	1st	1·8	2·0	1·9	·170	·145	·158	77·0	71·9	74·5
March -	—	38·6	35·7	37·2	28·3	43·9	18·0	4, 21st	54·0	30th	2·4	2·1	2·3	·191	·170	·181	77·0	76·3	76·7
April -	—	42·4	40·0	41·2	34·1	48·8	26·0	15th	59·2	18th	1·5	1·7	1·6	·241	·215	·228	88·3	86·1	87·2
May -	—	54·7	51·3	53·0	43·8	61·0	37·9	8th	74·9	14th	1·7	1·6	1·7	·383	·342	·363	89·2	89·7	89·5
June -	—	59·0	55·8	57·4	45·6	65·8	38·0	11th	71·4	5th, 21st	3·6	3·8	3·7	·394	·346	·370	79·0	77·2	78·1
July -	—	58·3	55·3	56·8	47·4	64·3	38·0	26th	71·2	5th	1·6	1·8	1·7	·443	·391	·417	90·4	88·7	89·6
August -	—	59·1	56·2	57·7	51·5	67·1	42·0	7th	73·4	30th	1·2	1·4	1·3	·469	·418	·444	92·5	91·5	92·0
September	—	56·7	52·5	54·6	46·4	63·5	34·7	17, 22	74·7	13th	2·6	2·5	2·6	·395	·340	·368	84·3	84·1	84·2
October -	—	47·5	44·5	46·0	39·3	54·2	29·9	27th	59·9	6th	1·9	1·6	1·8	·289	·263	·276	86·3	88·3	87·3
November	—	48·1	45·0	46·6	39·4	54·2	24·9	27th	60·7	6th	0·9	1·1	1·0	·321	·283	·302	92·7	90·8	91·8
December	—	42·9	38·8	40·9	34·8	—	23·9	5th	—	—	1·7	1·3	1·5	·250	·216	·233	85·1	85·4	85·3
Year -	—	48·4	45·3	46·9	39·2	—	—	—	—	—	1·9	1·9	1·9	·313	·277	·295	85·7	84·7	85·2

EASTBOURNE.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	7·5	6·1	6·8	1·110	·380	9th	12	0	0	0	5	15	2	20	4	1	1	5	5	10	9	7
February -	6·9	5·7	6·3	3·430	·600	14th	18	9	0	0	4	9	2	17	4	0	0	0	4	13	17	1
March -	7·1	5·0	6·1	1·320	·580	7th	11	1	0	0	3	10	2	14	4	2	1	4	7	11	10	9
April -	7·5	5·5	6·5	2·710	·360	3rd	18	0	0	1	2	10	0	10	6	6	1	6	11	5	8	7
May -	6·8	5·3	6·1	1·470	·500	26th	10	0	0	2	4	8	0	1	5	4	1	8	14	7	6	16
June -	4·5	3·8	4·2	0·270	·200	9th	4	0	0	0	9	6	0	16	10	4	1	4	6	6	2	11
July -	6·5	5·8	6·2	3·700	·770	22nd	18	0	0	3	3	8	3	6	7	2	1	4	11	20	5	6
August -	5·8	5·2	5·5	3·210	·910	21st	12	0	0	1	5	7	1	0	0	1	2	1	16	24	8	10
September	4·9	3·7	4·3	0·900	·330	2nd	7	0	0	1	11	9	1	14	4	2	2	4	3	13	12	6
October -	6·9	4·9	5·9	8·140	1·510	8th	23	0	0	3	5	9	4	7	0	2	2	11	10	13	11	6
November	7·2	5·1	6·2	1·570	·670	3rd	6	0	0	0	7	13	2	6	2	7	7	3	6	10	14	5
December	7·5	5·7	6·6	2·400	·500	21st	17	1	1	0	2	12	2	7	5	4	3	4	11	12	11	5
Year -	6·6	5·2	5·9	30·230	—	—	156	11	1	11	60	116	19	118	51	35	22	54	104	144	113	89

ROUSDON.

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

				ins.	ins.																	
January -	7·4	7·7	7·6	0·740	·260	9th	9	2	0	0	2	18	1	16	7	4	5	3	5	7	14	1
February -	7·5	7·4	7·4	2·340	·560	10th	14	12	4	0	2	13	3	11	8	0	0	0	6	14	17	0
March -	7·9	6·2	7·1	2·820	1·070	6th	19	5	1	0	3	15	4	12	5	4	4	6	8	5	15	3
April -	8·8	6·5	7·6	3·470	1·100	7th	19	2	4	4	0	17	0	11	6	8	2	4	12	6	11	0
May -	7·0	7·8	7·4	1·760	·360	23rd	16	0	0	4	4	18	1	10	5	7	5	7	7	5	11	5
June -	4·6	5·2	4·9	0·450	·130	7th	8	0	0	4	9	9	0	13	15	2	1	2	8	3	10	6
July -	7·6	6·3	7·0	3·390	·850	10th	15	0	0	1	3	16	0	3	8	6	5	3	9	12	13	3
August -	7·2	6·5	6·8	3·370	·510	2nd	20	0	0	1	3	12	0	3	0	1	3	3	21	16	14	1
September	6·7	4·6	5·7	1·310	·610	23rd	9	0	0	0	6	8	0	5	7	7	6	6	4	10	11	4
October -	6·7	6·7	6·7	4·490	·710	18th	24	0	0	1	1	12	4	6	10	4	2	4	15	10	11	0
November	8·0	7·6	7·8	1·530	·400	2nd	12	1	3	0	3	18	1	5	3	11	7	5	5	8	14	2
December	7·7	7·5	7·6	2·500	·550	22nd	15	1	1	0	0	16	2	3	9	3	5	2	15	9	15	1
Year -	7·3	6·7	7·0	28·170	—	—	180	23	13	15	36	172	16	98	83	57	45	45	115	105	156	26

DARTMOOR.

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

				ins.	ins.																	
January -	7·3	6·7	7·0	4·540	·920	8th	13	0	0	0	1	15	0	2	7	6	2	1	2	4	5	33
February -	7·8	5·8	6·8	6·370	·890	13th	22	10	2	0	5	14	1	4	9	3	0	1	10	3	6	20
March -	6·5	4·7	5·6	7·490	2·960	6th	12	5	0	0	8	12	0	3	5	4	4	0	4	0	11	31
April -	6·7	7·1	6·9	4·200	·890	28th	20	0	0	0	3	12	0	2	6	5	4	0	11	4	14	14
May -	6·5	5·9	6·2	4·580	·710	8, 17	20	0	0	1	6	12	0	0	0	0	7	1	13	4	6	31
June -	4·9	4·5	4·7	1·340	·720	3rd	7	0	0	2	7	6	0	2	8	6	11	0	9	2	2	20
July -	6·9	6·7	6·8	9·470	1·410	25th	17	0	0	0	3	15	0	3	3	3	9	0	13	4	12	15
August -	6·8	7·2	7·0	12·870	1·200	23rd	24	0	0	0	4	18	0	1	1	0	1	2	20	1	19	17
September	6·5	5·4	6·0	4·940	1·810	23rd	10	0	0	0	5	13	0	1	6	1	17	0	10	2	4	19
October -	7·8	7·9	7·9	10·310	1·310	18th	26	0	0	0	1	17	1	4	3	4	11	0	12	5	17	6
November	8·1	7·4	7·8	7·560	·610	24th	26	2	1	0	1	17	0	3	4	0	10	0	6	3	14	20
December	7·1	7·0	7·1	7·880	1·110	21st	16	1	0	0	3	16	0	1	3	3	10	0	21	6	2	16
Year -	6·9	6·4	6·7	81·550	—	—	213	18	3	3	47	167	2	26	55	35	86	5	131	38	112	242

BABBACOMBE

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·859	41·1	41·4	41·3	37·7	45·9	30·7	5th	53·8	18th	1·3	1·5	1·4	·233	·232	·233	89·6	88·0	88·8
February -	·665	40·3	39·3	39·8	35·3	46·0	26·8	10th	58·6	17th	2·3	2·2	2·3	·210	·201	·206	80·9	80·8	80·9
March -	·680	43·5	40·6	42·1	36·2	48·8	**24·4**	**2nd**	58·6	13, 25	2·3	1·7	2·0	·239	·222	·231	83·0	86·5	84·8
April -	·430	47·4	44·3	45·9	40·1	53·2	33·3	10th	63·6	18th	2·8	1·6	2·2	·264	·257	·261	81·0	88·4	84·7
May -	·513	56·0	51·7	53·9	48·1	61·0	39·4	11th	71·7	23rd	3·1	1·9	2·5	·362	·336	·349	80·9	87·4	84·2
June -	·728	61·7	57·8	59·8	52·7	67·9	46·4	13th	**80·4**	**27th**	4·5	2·7	3·6	·411	·401	·406	75·3	83·6	79·5
July -	·649	61·0	57·4	59·2	53·2	66·6	46·0	19th	78·8	6th	3·6	2·1	2·9	·424	·412	·418	79·4	87·2	83·3
August -	·622	61·1	55·8	58·5	52·1	66·7	46·4	28th	72·6	1st	3·7	1·6	2·7	·425	·402	·414	79·1	89·6	84·4
September	·763	58·1	54·5	56·3	50·7	64·4	40·3	23rd	78·6	12th	3·3	2·1	2·7	·393	·374	·384	80·3	86·2	83·3
October -	·374	50·8	47·5	49·2	43·5	56·5	36·7	13th	61·3	13th	2·2	1·3	1·8	·317	·299	·308	85·8	90·8	88·3
November	·909	48·0	47·0	47·5	44·1	52·5	29·4	28th	62·1	8th	1·5	1·3	1·4	·304	·298	·301	88·8	90·2	89·5
December	29·872	41·2	41·2	41·2	36·6	47·0	26·4	29th	55·1	16th	1·3	1·5	1·4	·237	·233	·235	89·6	87·8	88·7
Year -	29·672	50·9	48·2	49·6	44·2	56·4	—	—	—	—	2·7	1·8	2·3	·318	·306	·312	82·8	87·2	85·0

FALMOUTH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·011	42·6	43·0	42·8	39·4	46·6	31·6	3rd	52·3	31st	1·9	2·1	2·0	·233	·232	·233	86	83	85
February -	29·851	41·1	41·2	41·2	36·5	46·1	**27·9**	**25th**	52·9	1st	2·4	2·8	2·6	·209	·203	·206	81	79	80
March -	·833	43·5	42·8	43·2	39·0	47·5	**27·9**	**1st**	54·1	24, 29	2·4	2·2	2·3	·231	·229	·230	81	83	82
April -	·582	47·6	45·0	46·3	41·4	51·3	36·9	10th	57·3	18th	3·2	2·1	2·7	·256	·251	·254	78	84	81
May -	·639	54·0	51·0	52·5	48·0	58·0	43·0	2nd	64·7	21st	3·0	1·5	2·3	·334	·336	·335	80	90	85
June -	·867	60·9	56·5	58·7	52·7	64·4	48·5	12th	**73·2**	**22nd**	4·8	2·6	3·7	·387	·381	·384	73	83	78
July -	·788	61·1	57·7	59·4	54·3	64·6	50·0	23rd	71·1	6th	3·9	2·2	3·1	·415	·412	·414	77	86	82
August -	·767	60·1	56·1	58·1	53·3	63·6	48·8	28th	69·0	31st	3·3	1·7	2·5	·416	·401	·409	81	88	85
September	·902	58·2	55·5	56·9	52·3	61·5	43·8	25th	69·2	11th	3·1	2·6	2·9	·393	·367	·380	81	83	82
October -	29·516	50·2	48·4	49·3	45·2	54·1	40·8	25th	58·8	6th	2·3	1·9	2·1	·304	·293	·299	84	87	86
November	30·048	49·1	48·8	49·0	46·3	52·2	32·0	27th	56·8	7th	2·0	1·8	1·9	·299	·300	·300	86	87	87
December	30·013	43·3	43·4	43·4	39·5	47·5	29·0	28th	52·4	22, 24	1·9	2·2	2·1	·239	·234	·237	85	83	84
Year -	29·818	51·0	49·1	50·1	45·7	54·8	—	—	—	—	2·9	2·1	2·5	·310	·303	·307	81·1	84·7	82·9

LONDONDERRY

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·981	41·6	41·8	41·7	36·9	45·8	27·0	2, 7	53·1	31st	1·4	1·4	1·4	·237	·239	·238	88·8	88·8	88·8
February -	·860	39·5	39·3	39·4	34·6	45·3	**22·0**	**11th**	52·0	1st	1·7	1·6	1·7	·213	·214	·214	85·9	86·5	86·2
March -	·868	42·5	42·2	42·4	38·0	48·3	27·6	2nd	54·0	24th	2·0	1·8	1·9	·234	·236	·235	84·3	85·6	85·0
April -	·649	45·8	43·5	44·7	39·7	51·3	35·0	11th	62·5	25th	3·1	2·2	2·7	·242	·236	·239	78·7	83·7	81·2
May -	·670	55·5	51·8	53·7	47·4	62·6	42·0	15, 25	73·5	21st	3·4	1·8	2·6	·351	·341	·346	79·2	88·2	83·7
June -	·971	60·6	55·2	57·9	49·3	68·9	45·0	8, 14	**80·0**	**23, 24**	5·4	2·6	4·0	·373	·364	·369	70·1	83·3	76·7
July -	·831	59·4	55·3	57·4	50·0	66·0	41·0	9th	79·5	5th	4·0	2·2	3·1	·392	·377	·385	77·1	85·5	81·3
August -	·712	57·2	54·5	55·9	50·8	62·2	45·0	21st	72·5	31st	2·4	1·5	2·0	·398	·383	·391	85·0	89·8	87·4
September	·937	55·3	53·6	54·5	49·3	61·4	38·8	22nd	76·1	12th	2·4	2·1	2·3	·375	·361	·368	84·5	86·4	85·5
October -	29·564	47·2	45·2	46·2	40·8	53·7	33·0	25th	58·4	12th	1·7	1·3	1·5	·286	·273	·280	87·9	90·1	89·0
November	30·032	44·8	45·5	45·2	41·2	49·9	30·5	27th	55·6	7th	1·5	1·5	1·5	·268	·276	·272	88·3	88·9	88·6
December	29·906	41·8	42·6	42·2	37·5	46·7	30·0	5th	53·5	18th	1·5	1·7	1·6	·237	·241	·239	88·2	87·2	87·7
Year -	29·832	49·3	47·5	48·4	43·0	55·2	—	—	—	—	2·5	1·8	2·2	·301	·295	·298	83·2	87·0	85·1

BABBACOMBE.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	7·5	7·4	7·5	1·070	·290	9th	10	1	1	0	2	16	1	11	12	4	5	3	6	10	10	1
February - -	7·0	5·1	6·1	1·380	·370	10th	15	12	7	0	3	9	6	14	5	3	0	0	7	14	13	0
March - -	7·8	6·0	6·9	4·500	**1·260**	**6th**	20	6	6	0	3	14	3	9	6	5	4	6	10	14	8	0
April - -	7·7	5·7	6·7	1·560	·290	12th	15	0	3	1	1	10	2	9	12	2	3	5	7	13	9	0
May - -	6·8	5·8	6·3	2·130	·470	24th	17	0	1	3	4	11	1	6	15	5	2	7	12	7	8	0
June - -	4·8	4·8	4·8	0·450	·130	15th	8	0	0	2	8	6	0	5	21	10	1	2	6	4	10	1
July - -	7·2	5·5	6·4	3·060	·960	9th	15	0	0	0	5	12	0	3	8	7	3	2	13	15	10	1
August - -	6·6	5·1	5·9	2·120	·490	2nd	21	0	0	1	3	9	2	2	4	0	1	4	21	20	9	1
September -	7·2	3·8	5·5	1·220	·780	23rd	9	0	0	0	5	8	0	7	8	7	4	4	8	11	9	2
October - -	6·9	5·7	6·3	4·810	·580	26th	24	0	2	2	0	8	4	7	9	4	2	4	14	14	6	2
November -	8·1	7·1	7·6	1·760	·570	24th	13	1	1	0	1	18	2	5	2	8	9	4	10	10	9	3
December -	7·2	6·8	7·0	2·340	·480	22nd	16	2	0	1	2	14	3	4	3	7	6	4	15	14	8	1
Year -	7·1	5·7	6·4	26·400	—	—	183	22	21	10	37	135	24	82	105	62	40	45	129	146	109	12

FALMOUTH.

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

	10 a.m.	10 p.m.																				
				ins.	ins.																	
January - -	7·8	6·8	7·3	2·895	·960	11th	17	0	1	0	1	14	3	22	3	2	5	7	5	5	7	6
February - -	7·3	5·5	6·4	3·385	·555	13th	18	8	2	0	1	7	9	13	7	1	0	2	6	13	8	6
March - -	8·1	5·8	7·0	5·465	·990	4th	16	3	2	0	2	13	3	17	3	3	4	6	7	7	10	5
April - -	7·4	3·8	5·6	2·515	·420	3rd	19	0	2	1	1	5	3	13	7	1	3	6	8	8	12	2
May - -	6·5	6·1	6·3	4·040	·715	8th	18	0	0	0	3	12	1	13	0	2	9	11	6	3	14	4
June - -	5·8	4·5	5·2	0·800	·410	19th	8	0	0	0	7	6	0	13	2	7	2	5	4	4	13	10
July - -	7·3	5·1	6·2	3·485	·880	8th	13	0	0	0	2	9	0	6	0	5	6	4	11	10	12	8
August - -	7·0	4·3	5·7	3·760	·840	2nd	18	0	0	0	2	8	2	5	0	1	2	4	18	14	15	3
September -	7·5	4·6	6·1	1·875	·800	2nd	13	0	0	0	2	10	0	14	0	9	8	5	4	6	6	8
October - -	7·3	6·0	6·7	5·995	**1·360**	**18th**	26	0	0	1	1	8	3	14	5	0	0	4	10	14	8	7
November -	8·4	7·3	7·9	3·935	·960	24th	18	1	1	0	1	16	3	9	1	3	13	5	6	6	10	7
December -	7·5	6·0	6·8	3·290	·900	21st	19	0	2	0	1	13	2	6	3	3	8	6	12	12	5	7
Year -	7·3	5·5	6·4	41·440	—	—	203	12	10	2	24	121	29	145	31	37	60	65	97	102	120	73

LONDONDERRY.

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

				ins.	ins.																	
January - -	7·5	6·2	6·9	3·100	·400	16th	22	0	0	0	4	15	0	2	3	1	4	9	28	3	11	1
February - -	7·9	7·0	7·5	3·700	·430	6th	23	8	3	0	0	13	0	5	4	1	6	2	10	7	20	1
March - -	7·9	6·5	7·2	2·820	·740	27th	22	0	2	0	3	14	0	0	3	5	5	7	35	0	7	0
April - -	8·2	7·0	7·6	2·940	·630	3rd	20	0	1	0	2	17	0	3	14	3	14	0	13	1	12	0
May - -	8·4	7·3	7·9	2·710	·560	5th	14	0	2	1	0	17	0	2	5	0	17	10	24	1	3	0
June - -	6·3	6·8	6·6	0·430	·140	14th	7	0	0	0	4	15	0	2	12	4	6	3	25	3	5	0
July - -	7·7	6·8	7·3	2·800	·810	10th	18	0	0	0	3	17	0	4	9	2	9	1	16	1	20	0
August - -	8·7	8·0	8·4	6·770	·930	16th	27	0	0	1	1	22	0	2	4	1	0	0	33	2	16	4
September -	8·6	7·8	8·2	3·760	**1·200**	**26th**	19	0	3	0	0	19	0	2	9	0	8	3	31	0	6	1
October - -	7·8	5·5	6·7	4·750	·920	6th	23	0	0	0	1	10	0	0	10	3	3	0	39	2	5	0
November -	8·0	7·1	7·6	2·160	·470	25th	13	2	3	0	2	16	0	1	2	0	11	1	43	1	1	0
December -	8·7	6·1	7·4	3·890	·580	23rd	21	1	0	0	3	17	0	0	1	1	5	2	49	2	2	0
Year -	8·0	6·8	7·4	39·830	—	—	229	11	14	2	23	192	0	23	76	21	88	38	346	23	108	7

O 22.2.94. M.O. 217/93.

LISSAN

Long. 6° 45′ W. Lat. 54° 41′ N. Height above Mean Sea Level, 305 feet. Gravity Correction, + ·024.

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·770	39·5	40·0	39·8	33·3	45·2	22·0	3rd	60·0	26th	1·0	1·1	1·1	·222	·224	·223	91	91	91
February	·627	37·9	38·0	38·0	32·0	45·0	20·0	10th	52·0	1st	1·6	2·3	2·0	·197	·185	·191	87	81	84
March -	·646	41·9	41·6	41·8	35·6	47·3	27·0	2nd	54·0	14th	1·9	2·6	2·3	·226	·210	·218	86	80	83
April -	·416	44·8	42·7	43·8	38·3	49·6	31·0	29th	59·0	18th	2·9	1·8	2·4	·234	·236	·235	79	86	83
May -	·457	54·1	52·0	53·1	45·4	59·9	36·0	2nd	74·0	22nd	3·1	2·0	2·6	·333	·335	·334	79	86	83
June -	·747	59·6	54·8	57·2	46·7	66·5	39·0	8th	76·0	22nd	5·3	2·4	3·9	·356	·362	·359	70	85	78
July -	·608	57·5	55·8	56·7	47·5	64·8	37·0	9th	75·0	7th	3·1	2·4	2·8	·383	·378	·381	80	84	82
August -	·493	56·6	53·5	55·1	49·4	62·4	40·0	21st	73·0	1st	2·4	1·7	2·1	·389	·364	·377	84	89	87
September	·711	54·7	52·3	53·5	47·9	61·0	36·0	23rd	70·0	13th	2·2	1·6	1·9	·366	·349	·358	86	89	88
October -	·344	46·7	44·3	45·5	38·8	53·3	29·0	25th	58·0	2nd	1·4	1·3	1·4	·286	·261	·274	90	90	90
November	·814	43·1	43·6	43·4	37·0	48·7	26·0	28th	55·0	4th	1·0	1·0	1·0	·256	·261	·259	92	92	92
December	29·706	39·7	40·1	39·9	33·9	44·9	25·0	4, 12	52·0	18th	1·1	1·1	1·1	·222	·225	·224	91	91	91
Year -	29·612	48·0	46·6	47·3	40·5	54·1	—	—	—	—	2·3	1·8	2·1	·289	·283	·286	84·6	87·0	85·8

ARMAGH

Long. 6° 39′ W. Lat. 54° 21′ N. Height above Mean Sea Level, 196 feet. Gravity Correction, + ·025.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·877	41·0	40·4	40·7	35·7	45·5	25·2	2nd	53·5	18th	1·2	1·0	1·1	·236	·234	·235	90·5	92·0	91·3
February -	·730	38·7	37·0	37·9	32·7	44·7	20·8	11th	53·6	1st	1·5	1·7	1·6	·209	·191	·200	86·8	84·8	85·8
March -	·745	42·7	41·0	41·9	36·1	48·8	25·3	2nd	57·2	13th	2·1	2·2	2·2	·233	·216	·225	83·5	81·9	82·7
April -	·513	44·9	42·6	43·8	38·4	50·0	32·7	16th	59·8	17th	3·1	2·0	2·6	·234	·232	·233	78·9	85·2	82·1
May -	·546	54·8	51·5	53·2	46·2	60·3	38·2	25th	71·7	21st	3·6	2·3	3·0	·336	·325	·331	78·1	85·1	81·6
June -	·840	60·1	54·7	57·4	47·7	66·4	39·3	8th	75·3	21st	5·1	2·7	3·9	·372	·358	·365	71·2	83·3	77·3
July -	·705	58·3	54·7	56·5	48·3	65·4	32·0	8th	76·5	6th	3·5	2·1	2·8	·388	·372	·380	79·6	86·3	83·0
August -	·593	57·5	53·5	55·5	50·2	62·6	44·8	26th	67·3	1st	2·7	1·4	2·1	·394	·372	·383	83·2	90·8	87·0
September	·811	56·3	51·9	54·1	48·1	60·9	35·5	25th	69·9	12th	2·7	1·3	2·0	·384	·361	·373	83·4	91·1	87·3
October -	·431	47·6	44·0	45·8	39·8	53·0	31·0	28th	57·6	5th	1·7	1·2	1·5	·291	·265	·278	88·0	91·4	89·7
November	·920	44·8	44·6	44·7	40·1	49·8	26·2	27th	55·5	7th	1·2	1·2	1·2	·276	·274	·275	91·4	91·1	91·3
December	29·812	41·4	41·3	41·4	36·9	46·9	29·8	11th	53·5	17, 18	1·2	1·1	1·2	·239	·241	·240	89·9	91·1	90·5
Year -	29·710	49·0	46·4	47·7	41·7	54·5	—	—	—	—	2·5	1·7	2·1	·299	·287	·293	83·7	87·8	85·8

BROOKEBOROUGH (Colebrooke Park)

Long. 7° 22′ W. Lat. 54° 21′ N. Height above Mean Sea Level, 271 feet. Gravity Correction, + ·024.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·805	38·9	39·3	39·1	32·9	44·2	20·5	2nd, 3rd	51·9	18th	0·6	0·5	0·6	·225	·231	·228	94·8	95·6	95·2
February -	·671	37·4	36·7	37·1	30·6	44·3	9·5	11th	52·5	17th	1·0	0·9	1·0	·204	·200	·202	91·4	91·7	91·6
March -	·678	41·8	40·2	41·0	34·8	47·7	24·0	11th	55·5	13th	1·5	1·1	1·3	·233	·226	·230	88·4	91·4	89·9
April -	·440	44·0	42·7	43·4	37·4	49·3	29·1	15th	56·5	19th	2·8	1·7	2·3	·228	·237	·233	78·0	86·4	82·2
May -	·469	53·2	52·2	52·7	45·1	60·1	35·5	25th	71·8	21st	2·8	2·1	2·5	·330	·335	·333	80·8	85·8	83·3
June -	·773	59·0	55·2	57·1	47·0	66·2	38·0	8th	76·7	21st	5·0	2·6	3·8	·354	·363	·359	71·0	83·8	77·4
July -	·638	57·5	54·5	56·0	47·9	64·9	34·7	8th	75·5	5th	3·2	2·0	2·6	·380	·368	·374	80·5	87·0	83·8
August -	·526	56·0	53·7	54·9	49·0	61·1	40·5	11th	66·5	31st	1·9	1·2	1·6	·394	·379	·387	88·0	92·1	90·1
September	·745	54·7	52·9	53·8	47·7	60·2	34·3	23rd	71·3	12th	2·1	1·4	1·8	·369	·362	·366	86·5	90·7	88·6
October -	·361	45·5	43·3	44·4	37·8	52·3	27·0	28th	57·0	13th	1·3	0·7	1·0	·275	·265	·270	90·5	94·6	92·6
November	·849	43·4	44·3	43·9	38·8	48·9	22·5	28th	54·0	15th	0·6	0·6	0·6	·269	·277	·273	94·8	95·6	95·2
December	29·737	39·8	40·5	40·2	34·5	45·5	23·5	14th	51·8	17th	0·8	0·9	0·9	·228	·233	·231	93·6	93·0	93·3
Year -	29·641	47·6	46·3	47·0	40·3	53·7	—	—	—	—	2·0	1·3	1·7	·291	·290	·291	86·5	90·6	88·6

LISSAN.

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	—	—	—	3·930	·950	11th	25	0	0	0	—	—	0	7	0	1	1	8	21	7	17	0
February -	—	—	—	3·920	·440	13th	25	11	1	0	—	—	0	13	2	6	5	0	2	14	14	0
March -	—	—	—	2·200	·520	19, 27	27	3	0	0	—	—	0	3	6	6	4	4	7	3	29	0
April -	—	—	—	3·970	·870	8th	20	0	0	0	—	—	0	3	12	8	7	5	11	3	11	0
May -	—	—	—	3·720	·550	5th	22	0	0	1	—	—	0	3	0	0	8	39	3	4	5	0
June -	—	—	—	0·430	·200	13th	7	0	0	0	—	—	0	6	12	0	4	11	10	11	6	0
July -	—	—	—	3·340	·870	9th	17	0	0	0	—	—	0	10	1	7	11	3	2	14	14	0
August -	—	—	—	5·930	·900	19th	27	0	0	0	—	—	0	4	5	0	4	3	11	12	23	0
September	—	—	—	3·120	·600	26th	22	0	0	0	—	—	0	11	3	8	9	2	10	6	11	0
October -	—	—	—	4·230	·840	6th	26	0	0	0	—	—	0	7	10	7	9	2	13	7	7	0
November	—	—	—	3·150	·650	26th	24	4	0	0	—	—	0	4	0	0	0	5	21	11	19	0
December	—	—	—	3·940	·500	21st	27	1	0	0	—	—	0	3	0	0	0	15	20	5	19	0
Year -	—	—	—	41·880	—	—	269	19	1	1	—	—	0	74	51	43	62	97	131	97	175	0

ARMAGH.

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

				ins.	ins.																	
January -	8·9	8·4	8·7	2·067	·760	11th	16	0	0	0	0	21	0	4	2	2	4	15	23	8	4	0
February -	8·4	8·5	8·5	1·642	·180	10th	17	5	0	0	1	22	0	8	4	9	0	1	13	12	9	0
March -	8·1	8·6	8·4	1·707	·472	19th	20	2	0	0	1	21	0	6	1	6	6	6	19	8	9	1
April -	8·7	7·9	8·3	3·168	·850	8th	19	0	0	0	1	20	0	10	12	8	4	6	11	4	5	0
May -	9·3	7·9	8·6	3·157	·612	5th	20	0	0	1	0	24	0	0	3	3	11	26	13	3	0	3
June -	7·3	5·9	6·6	0·262	·077	13th	7	0	0	0	3	14	0	5	6	9	6	11	12	6	5	0
July -	7·5	7·0	7·3	2·915	·860	10th	17	0	0	0	1	17	0	2	5	3	1	3	6	3	5	34
August -	9·4	8·3	8·9	6·663	1·580	19th	24	0	0	3	0	25	0	4	1	1	2	8	29	10	7	0
September	8·2	8·0	8·1	2·108	·502	11th	15	0	0	0	0	20	0	6	2	4	8	14	9	5	11	1
October -	8·1	7·4	7·8	3·141	·580	6th	19	0	0	0	2	19	1	7	12	4	2	12	16	3	3	3
November	8·0	8·4	8·2	1·545	·300	24th	13	2	0	0	2	21	0	0	0	0	2	22	20	7	3	6
December	7·6	8·0	7·8	2·266	·425	6th	15	0	0	0	3	19	0	0	0	0	6	26	20	6	1	3
Year -	8·3	7·9	8·1	30·641	—	—	202	9	0	4	14	243	1	52	48	49	52	150	191	75	62	51

BROOKEBOROUGH (Colebrooke Park).

Heights above Ground:—Barometer, —16 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

				ins.	ins.																	
January -	9·0	7·4	8·2	5·247	1·330	11th	17	0	0	0	0	19	0	0	0	0	3	15	20	0	0	24
February -	8·9	6·6	7·8	3·101	·472	10th	23	8	0	0	2	17	0	0	3	1	3	6	20	0	2	21
March -	8·6	7·1	7·9	2·076	·568	19th	15	0	0	0	3	18	0	1	6	0	2	6	18	0	4	25
April -	9·3	9·0	9·2	2·930	·635	3rd	19	0	0	0	0	23	0	7	9	0	4	7	15	0	8	10
May -	9·9	8·4	9·2	3·681	·865	5th	13	0	0	0	0	23	0	0	6	0	11	11	5	0	0	29
June -	8·0	6·0	7·0	0·533	·210	1st	6	0	0	0	2	16	0	1	5	0	2	14	12	0	4	22
July -	9·4	8·2	8·8	2·682	·620	20th	14	0	0	0	0	23	0	3	3	1	3	4	21	0	4	23
August -	9·9	8·4	9·2	5·674	1·000	19th	25	0	0	0	0	25	0	0	0	1	1	13	23	1	2	21
September	8·8	7·9	8·4	3·111	·586	26th	17	0	0	0	2	20	0	1	4	2	2	7	15	2	6	21
October -	9·1	7·1	8·1	4·814	·850	18th	21	0	0	0	0	20	0	2	11	1	0	9	12	2	1	24
November	8·9	8·6	8·8	2·296	·416	26th	16	2	0	0	2	24	0	0	0	2	4	12	14	0	1	27
December	8·9	8·5	8·7	4·344	·538	28th	20	0	0	0	0	24	0	0	2	0	6	16	18	2	0	18
Year -	9·1	7·8	8·5	40·489	—	—	206	10	0	0	11	252	0	15	49	8	41	120	193	7	32	265

MARKREE CASTLE (Sligo)

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

1889.	Mean Pressure at 32° Faht.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. Min.	Day.	Absolute Max. Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·939	40·3	40·6	40·5	34·3	45·7	21·2	2nd	53·0	31st	1·0	0·9	1·0	·237	·241	·239	92·3	93·0	92·7
February -	·834	39·3	38·5	38·9	32·5	45·3	**10·8**	**11th**	54·2	18th	1·2	0·9	1·1	·224	·221	·223	89·5	91·7	90·6
March -	·823	43·2	41·3	42·3	36·0	48·4	21·2	2nd	58·6	28th	1·6	1·1	1·4	·251	·241	·246	87·9	90·8	89·4
April -	·582	45·6	43·5	44·6	39·3	50·4	33·2	27th	56·6	19th	3·2	2·1	2·7	·238	·239	·239	78·1	84·7	81·4
May -	·590	53·6	50·8	52·2	45·3	59·1	37·2	25th	69·1	21st	2·7	1·4	2·1	·340	·336	·338	82·8	90·2	86·5
June -	·900	58·4	54·1	56·3	46·5	63·9	38·1	14th	74·0	18th	3·4	1·7	2·6	·390	·373	·382	80·1	88·8	84·5
July -	·775	58·4	54·6	56·5	48·1	63·8	33·3	8th	**76·2**	**5th**	3·4	2·0	2·7	·391	·374	·383	80·0	87·0	83·5
August -	·667	57·4	53·5	55·5	49·1	61·2	37·7	31st	67·3	1st	2·9	1·3	2·1	·388	·376	·382	82·0	91·2	86·6
September	·873	56·5	53·3	54·9	48·6	60·9	35·2	23rd	74·6	12th	2·9	1·5	2·2	·382	·373	·378	82·4	90·0	86·2
October -	·500	47·0	43·9	45·5	38·9	52·9	25·0	25th	57·9	16th	1·6	1·0	1·3	·288	·268	·278	88·4	92·4	90·4
November	·984	44·8	44·8	44·8	39·6	49·8	28·9	17th	55·8	7th	1·0	1·0	1·0	·280	·282	·281	92·4	92·8	92·6
December	29·857	41·3	41·6	41·5	36·3	46·8	25·7	14th	52·9	17th	1·1	1·1	1·1	·242	·245	·244	91·5	91·3	91·4
Year -	29·777	48·8	46·7	47·8	41·2	54·0	—	—	—	—	2·2	1·3	1·8	·304	·297	·301	85·6	90·3	88·0

EDGEWORTHSTOWN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·812	39·1	39·8	39·5	33·7	44·9	22·0	2nd	53·0	18, 31	0·7	0·7	0·7	·230	·236	·233	94·1	93·9	94·0
February -	·686	38·3	37·3	37·8	31·7	44·5	**17·0**	**11th**	53·0	16th	1·0	0·9	1·0	·217	·211	·214	89·5	92·4	91·0
March -	·676	42·1	40·4	41·3	34·5	49·1	23·5	2nd	57·5	28th	1·7	1·0	1·4	·242	·236	·239	86·7	92·1	89·4
April -	·430	44·8	42·8	43·8	37·4	50·7	30·0	15th	57·2	19th	2·2	1·7	2·0	·249	·241	·245	84·3	87·3	85·8
May -	·455	54·2	51·2	52·7	44·9	61·3	37·0	1, 15, 25	72·9	21st	3·1	1·4	2·3	·340	·343	·342	81·1	90·5	85·8
June -	·762	58·8	54·6	56·7	46·8	66·4	39·0	8th	74·2	18th	4·3	2·4	3·4	·373	·363	·368	75·2	84·7	80·0
July -	·633	58·5	54·2	56·4	47·3	66·5	31·5	8th	73·2	6th	3·0	1·7	2·4	·404	·375	·390	82·0	88·4	85·2
August -	·534	57·6	53·8	55·7	48·6	63·0	41·0	31st	70·0	30th	2·4	1·5	2·0	·407	·376	·392	85·6	90·5	88·1
September	·738	55·3	52·8	54·1	47·9	61·7	35·0	23rd	**74·5**	**12th**	2·0	1·2	1·6	·386	·376	·381	86·9	91·9	89·4
October -	·357	45·9	44·4	45·2	39·0	52·2	30·9	14th	56·9	4th	0·9	1·0	1·0	·291	·274	·283	93·3	93·1	93·2
November	·856	44·0	44·4	44·2	38·7	49·5	23·0	28th	57·0	19th	0·6	0·7	0·7	·280	·283	·282	94·8	94·5	94·7
December	29·745	40·5	40·7	40·6	34·5	46·9	25·5	5th	53·9	18th	0·9	0·8	0·9	·238	·243	·241	92·1	93·6	92·9
Year -	29·640	48·3	46·4	47·4	40·4	54·7	—	—	—	—	1·9	1·3	1·6	·305	·296	·301	87·1	91·1	89·1

GLASNEVIN (Botanic Gardens)

Long. 6° 16′ W. Lat. 53° 23′ N. Height above Mean Sea Level, 54 feet. Gravity Correction, + ·022.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·081	40·5	41·3	40·9	35·8	46·0	25·4	3rd	55·2	18th	0·9	0·8	0·9	·239	·248	·244	92·7	94·0	93·4
February -	29·921	39·4	38·0	38·7	32·5	45·0	**17·0**	**11th**	55·2	18th	1·0	1·1	1·1	·228	·214	·221	91·0	90·6	90·8
March -	·933	43·7	41·7	42·7	36·0	49·3	26·4	3rd	58·2	13th	1·7	1·2	1·5	·251	·246	·249	86·4	90·7	88·6
April -	·679	46·9	43·4	45·2	39·0	50·9	29·0	15th	61·2	17th	2·4	1·1	1·8	·269	·258	·264	84·0	91·6	87·8
May -	29·724	54·1	51·2	52·7	45·1	59·6	35·6	11th	71·3	21st	2·3	1·1	1·7	·357	·349	·353	84·9	92·5	88·7
June -	30·010	60·8	55·3	58·1	47·8	66·3	36·0	11th	76·2	22nd	4·1	1·7	2·9	·410	·390	·400	76·2	88·8	82·5
July -	29·878	58·8	55·4	57·1	48·6	65·8	37·0	8th	**78·8**	**6th**	3·2	1·7	2·5	·405	·393	·399	81·3	88·7	85·0
August -	·782	59·8	55·2	57·5	50·8	65·3	43·0	25th	72·3	1st	3·3	1·7	2·5	·416	·389	·403	80·5	88·8	84·7
September	·997	56·8	53·0	54·9	47·7	61·2	36·2	23rd	73·9	10th	2·1	1·0	1·6	·406	·383	·395	86·6	93·2	89·9
October -	29·607	48·9	46·0	47·5	40·7	53·5	30·0	14th	58·8	16th	1·2	0·8	1·0	·318	·295	·307	91·5	94·3	92·9
November	30·122	45·2	44·5	44·9	39·2	51·1	27·0	28th	59·6	7th	1·1	0·7	0·9	·282	·286	·284	92·0	94·6	93·3
December	30·025	41·7	42·9	42·3	36·4	48·1	25·0	12th	56·2	17th	1·3	1·0	1·2	·242	·258	·250	89·6	92·1	90·9
Year -	29·897	49·7	47·3	48·5	41·6	55·2	—	—	—	—	2·1	1·2	1·7	·319	·309	·314	86·4	91·7	89·1

MARKREE CASTLE (Sligo).

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	9·2	9·1	9·2	3·400	·800	11th	21	0	1	0	0	25	0	1	0	1	19	11	7	4	6	13
February -	9·3	9·2	9·3	3·430	·360	2nd	23	5	3	0	0	24	2	7	1	2	7	3	6	6	15	9
March -	8·7	8·9	8·8	2·390	·500	27th	24	3	0	0	0	22	0	7	0	0	9	13	10	7	6	10
April -	9·1	9·1	9·1	3·310	·550	27th	20	0	3	0	0	25	0	13	6	7	6	8	6	4	9	1
May -	9·2	9·5	9·4	4·760	·670	23rd	21	0	1	0	0	27	0	3	1	1	18	16	7	2	4	10
June -	7·2	6·5	6·9	0·890	·320	13th	9	0	0	0	0	9	0	10	1	3	10	11	4	2	8	11
July -	8·1	8·2	8·2	2·510	·460	22nd	19	0	0	0	1	19	0	9	1	1	10	7	4	5	9	16
August -	9·4	9·6	9·5	5·960	·780	19th	26	0	0	0	0	28	0	5	1	0	5	13	7	6	11	14
September	9·0	9·5	9·3	3·180	·680	19th	22	0	0	0	0	24	0	8	1	0	13	14	3	5	11	5
October -	8·4	8·4	8·4	6·150	**1·840**	**18th**	21	0	0	0	0	19	2	6	7	5	7	12	10	1	4	10
November -	9·3	9·2	9·3	2·540	·560	1st	20	2	3	1	0	26	0	3	0	0	18	14	7	3	9	6
December -	9·1	8·7	8·9	4·980	·580	23rd	22	0	1	1	0	23	0	1	0	0	15	24	7	4	3	8
Year -	8·8	8·8	8·8	43·500	—	—	248	10	12	2	1	271	4	73	19	20	137	146	78	49	95	113

EDGEWORTHSTOWN.

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

				ins.	ins.																	
January -	7·3	6·7	7·0	3·060	·810	11th	23	1	0	0	1	14	0	2	6	3	11	4	15	17	3	1
February -	7·8	5·8	6·8	1·890	·330	15th	22	10	1	1	2	12	5	5	4	6	1	0	9	20	11	0
March -	6·7	5·4	6·1	1·660	·470	6th	21	1	5	0	3	9	0	4	4	6	5	2	13	21	6	1
April -	7·5	6·8	7·2	2·720	·410	27th	22	0	0	0	0	10	0	10	11	6	4	3	7	11	7	1
May -	6·9	7·0	7·0	3·840	·570	14th	21	0	3	0	0	8	0	1	1	4	21	5	8	9	1	12
June -	5·2	4·0	4·6	0·980	·410	1st	9	0	0	0	7	3	0	5	2	6	9	1	7	4	5	21
July -	6·9	5·2	6·1	2·400	·480	22nd	15	0	2	0	0	7	0	5	5	7	3	1	6	14	10	11
August -	7·9	6·0	7·0	5·110	**1·420**	**19th**	25	0	0	1	1	12	0	4	2	2	4	5	11	22	9	3
September	6·9	5·5	6·2	2·390	·510	18th	17	0	1	0	4	8	0	4	4	6	11	5	8	12	5	5
October -	6·5	4·7	5·6	4·550	·920	18th	21	0	1	0	2	8	1	11	8	3	6	4	8	12	3	7
November	6·3	6·4	6·4	2·050	·540	24th	24	1	1	0	5	13	0	3	0	3	12	11	7	12	5	7
December	7·0	6·4	6·7	3·290	·700	28th	21	0	0	0	3	12	0	1	0	1	12	19	13	14	1	1
Year -	6·9	5·8	6·4	33·940	—	—	241	13	14	2	28	116	6	55	47	53	99	60	112	168	66	70

GLASNEVIN (Botanic Gardens).

Heights above Ground :—Barometer, 4 feet. Thermometers, 3 feet 6 inches. Rain-gauge, 1 foot.

				ins.	ins.																	
January -	6·6	5·7	6·2	1·830	·660	11th	13	1	0	0	3	12	0	0	3	0	5	1	20	8	9	16
February -	7·1	5·2	6·2	2·160	·840	10th	17	11	3	0	3	8	0	3	3	2	4	0	19	6	13	6
March -	7·0	5·7	6·4	0·910	·400	19th	11	3	2	0	0	9	0	3	2	2	4	1	21	9	11	9
April -	7·6	5·6	6·6	2·390	·420	11th	20	1	2	0	0	7	0	1	14	1	10	1	13	4	6	10
May -	7·2	5·4	6·3	1·670	·490	5th	12	0	1	1	2	7	0	0	1	2	24	1	7	2	3	22
June -	4·7	3·6	4·2	0·040	·020	8th	3	0	0	0	6	1	0	0	2	1	20	3	12	1	1	20
July -	6·9	5·4	6·2	2·170	·500	22nd	14	0	1	3	3	4	0	0	2	3	9	0	22	3	4	19
August -	6·5	5·4	6·0	5·260	**1·300**	**19th**	20	0	0	2	1	3	0	0	5	1	10	2	28	3	5	8
September	6·4	5·4	5·9	1·130	·350	23rd	9	0	0	0	2	9	0	1	4	1	9	1	13	7	6	18
October -	6·8	5·7	6·3	4·820	·720	18th	22	0	1	1	1	8	1	2	4	1	14	0	15	5	11	10
November	6·6	6·2	6·4	1·080	·420	22nd	8	2	0	0	1	9	0	1	1	0	3	1	19	3	9	23
December	5·5	4·8	5·2	2·010	·310	6, 21	14	0	0	0	4	6	0	0	0	0	6	1	33	4	4	14
Year -	6·6	5·3	6·0	25·470	—	—	163	18	10	7	26	83	1	11	41	14	118	12	222	55	82	175

DUBLIN (Phœnix Park)

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

1889.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. and Max. Min.	Day.	Max.	Day.	Humidity. Dep. of Wet-Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·961	40·5	40·8	40·7	35·6	46·5	21·5	3rd	54·6	18th	1·4	1·1	1·3	·227	·236	·232	88·6	91·1	89·9
February -	·802	38·3	37·3	37·8	32·1	45·0	**17·2**	**11th**	54·8	16th	1·2	1·5	1·4	·214	·197	·206	89·3	86·1	87·7
March -	·817	42·6	41·0	41·8	36·0	49·0	25·0	3rd	57·4	13th	2·3	1·9	2·1	·230	·224	·227	82·9	85·1	84·0
April -	·564	45·3	42·8	44·1	38·5	50·2	27·8	15th	59·4	17th	2·7	1·7	2·2	·244	·240	·242	81·3	87·2	84·3
May -	·606	54·2	50·6	52·4	44·7	59·7	34·7	11th	72·3	21st	3·2	1·6	2·4	·336	·330	·333	79·9	89·0	84·5
June -	·892	60·6	54·2	57·4	47·0	65·5	35·7	11th	**76·2**	**22nd**	5·2	2·4	3·8	·375	·358	·367	71·0	84·9	78·0
July -	·761	58·2	54·4	56·3	47·8	65·3	36·3	8th, 9th	73·8	31st	4·1	2·2	3·2	·372	·364	·368	76·4	85·7	81·1
August -	·671	58·7	54·5	56·6	50·2	64·4	40·0	31st	69·9	1st	3·9	2·0	3·0	·383	·370	·377	77·5	86·8	82·2
September	·881	55·6	52·5	54·1	47·4	61·3	36·1	25th	72·0	10th	2·8	1·7	2·3	·372	·356	·364	82·6	88·4	85·5
October -	29·489	47·6	45·3	46·5	39·9	53·0	29·2	14th	57·8	16th	1·9	1·6	1·8	·287	·270	·279	86·6	88·7	87·7
November	30·003	44·9	44·2	44·6	38·9	51·1	27·0	28th	58·0	7th	1·3	1·0	1·2	·274	·273	·274	90·3	92·4	91·4
December	29·909	41·9	42·3	42·1	36·4	48·2	25·6	6th	57·0	26th	1·7	1·4	1·6	·234	·245	·240	86·0	89·0	87·5
Year -	29·780	49·0	46·7	47·9	41·2	54·9	—	—	—	—	2·6	1·7	2·2	·296	·289	·293	82·7	87·9	85·3

DUBLIN (City)

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·090	41·5	42·3	41·9	38·0	46·8	27·1	3rd	56·2	18th	1·3	1·5	1·4	·236	·240	·238	89·5	88·5	89·0
February -	29·931	39·9	39·3	39·6	35·1	45·5	**21·7**	**11th**	55·0	1st	1·7	2·0	1·9	·216	·204	·210	85·2	82·9	84·1
March -	·940	43·1	43·4	43·3	38·6	49·3	31·0	3rd	58·3	28th	2·3	2·6	2·5	·231	·230	·231	82·2	80·5	81·4
April -	·689	46·0	45·1	45·6	40·9	51·3	33·1	15th	59·7	20th	3·0	2·5	2·8	·244	·246	·245	79·5	82·4	81·0
May -	29·732	55·1	53·1	54·1	48·4	60·7	40·8	11th	72·5	21st	3·5	2·4	3·0	·340	·340	·340	78·8	84·5	81·7
June -	30·020	61·5	58·4	60·0	52·0	67·0	41·2	11th	74·8	22nd	5·8	3·7	4·8	·373	·381	·377	68·7	77·9	73·3
July -	29·887	59·0	57·6	58·3	51·7	65·7	44·0	8th	**77·8**	**6th**	3·9	2·9	3·4	·386	·391	·389	77·5	82·5	80·0
August -	29·795	58·6	56·5	57·6	52·7	64·5	46·4	25th	71·8	1st	3·2	2·2	2·7	·398	·392	·395	81·1	86·0	83·6
September	30·007	55·7	54·4	55·1	50·6	60·9	38·9	25th	69·7	11th	2·1	1·8	2·0	·389	·379	·384	86·7	88·2	87·5
October -	29·614	47·7	47·3	47·5	43·3	52·9	35·2	14th	57·4	7th	1·5	1·6	1·6	·295	·288	·292	89·2	88·5	88·9
November	30·132	45·4	46·0	45·7	41·7	51·1	29·6	28th	59·7	7th	1·4	1·3	1·4	·276	·284	·280	89·4	90·3	89·9
December	30·037	42·9	43·6	43·3	38·8	48·7	30·9	6, 12	56·6	17th	1·9	1·9	1·9	·238	·245	·242	85·6	85·6	85·6
Year -	29·906	49·7	48·9	49·3	44·3	55·4	—	—	—	—	2·6	2·2	2·4	·302	·302	·302	82·8	84·8	83·8

PARSONSTOWN (Birr Castle)

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·942	39·4	40·0	39·7	34·8	45·4	21·1	3rd	54·3	18th	1·0	1·0	1·0	·228	·232	·230	92·1	91·8	92·0
February -	·824	38·7	38·0	38·4	32·7	46·0	**20·1**	**28th**	53·5	16th	1·2	1·4	1·3	·217	·205	·211	88·0	86·9	87·5
March -	·809	42·4	40·8	41·6	35·1	49·5	20·7	2nd	58·1	28th	2·0	1·4	1·7	·233	·232	·233	84·0	88·4	86·2
April -	·556	45·3	43·4	44·4	38·0	51·7	29·0	15th	58·3	20th	2·8	1·7	2·3	·243	·245	·244	80·6	87·2	83·9
May -	·572	54·4	51·6	53·0	45·7	61·0	36·5	25th	72·9	21st	3·8	2·1	3·0	·324	·331	·328	76·7	86·2	81·5
June -	·869	59·0	55·9	57·5	47·7	66·6	37·8	8th	**77·3**	**21st**	4·6	2·3	3·5	·369	·384	·377	73·9	85·3	79·6
July -	·753	59·2	55·9	57·6	47·4	67·1	36·9	8th	76·4	5th	4·1	2·4	3·3	·385	·381	·383	76·5	84·8	80·7
August -	·663	57·5	54·3	55·9	49·6	63·4	40·7	25th	68·7	1st	2·8	1·6	2·2	·393	·378	·386	82·6	89·4	86·0
September	·863	56·6	53·5	55·1	48·9	62·1	35·7	25th	74·3	12th	3·3	2·0	2·7	·372	·363	·368	80·0	87·1	83·6
October -	·479	46·0	44·5	45·3	38·5	52·9	26·8	25th	57·3	15th	1·6	1·3	1·5	·276	·268	·272	88·0	90·3	89·2
November	·978	44·8	45·2	45·0	39·7	50·3	27·0	28th	56·2	7th	1·2	1·0	1·1	·276	·285	·281	90·7	92·2	91·5
December	29·872	41·3	41·8	41·6	35·9	47·6	25·7	5th	54·5	17th	1·1	1·2	1·2	·243	·244	·244	90·9	90·2	90·6
Year -	29·765	48·7	47·1	47·9	41·2	55·3	—	—	—	—	2·5	1·6	2·1	·297	·296	·297	83·7	88·3	86·0

DUBLIN (Phœnix Park).

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

1889.	Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Day.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January - -	7·5	7·2	7·4	1·555	·420	8th	24	1	1	0	3	15	0	2	0	0	5	4	13	14	3	21
February - -	7·9	5·8	6·9	2·285	·660	10th	24	9	2	0	4	13	0	4	2	2	0	0	8	20	7	13
March - -	7·2	6·0	6·6	0·990	·370	19th	22	3	1	0	2	11	0	3	0	2	4	1	11	13	6	22
April - -	8·1	6·1	7·1	2·355	·375	11th	23	0	2	0	1	12	0	4	8	2	4	2	8	8	7	17
May - -	7·6	6·1	6·9	1·905	·465	5th	19	0	0	1	1	11	0	0	1	3	6	6	3	3	1	39
June - -	4·9	4·9	4·9	0·100	·030	8th	7	0	0	0	7	4	0	2	3	3	3	3	4	2	2	38
July - -	6·6	5·6	6·1	2·475	·550	22nd	15	0	0	2	2	10	0	0	1	4	1	0	9	10	7	30
August - -	7·6	6·2	6·9	6·485	**1·910**	**19th**	25	0	0	1	0	12	0	0	0	0	0	2	15	14	2	29
September -	7·8	6·4	7·1	1·005	·415	18th	19	0	0	0	2	14	0	1	0	3	1	3	7	11	5	29
October - -	7·5	5·8	6·7	4·715	·850	18th	26	0	0	1	1	11	1	2	5	7	1	3	10	7	5	22
November -	7·1	7·4	7·3	1·170	·395	22nd	19	2	1	0	1	15	0	0	0	0	0	4	9	13	4	30
December -	5·8	5·8	5·8	1·890	·330	6th	18	0	0	0	8	6	0	0	0	0	6	6	18	11	1	20
Year -	7·1	6·1	6·6	26·930	—	—	241	15	7	5	27	134	1	18	20	26	31	34	115	126	50	310

DUBLIN (City).

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

				ins.	ins.																	
January - -	7·0	6·9	7·0	2·213	1·221	11th	16	1	2	0	3	16	2	4	1	1	4	9	7	25	7	4
February - -	7·6	5·5	6·6	2·449	·742	10th	20	8	7	0	3	13	5	4	3	4	3	1	4	20	15	2
March - -	6·8	6·6	6·7	1·076	·381	19th	17	2	5	0	2	12	4	7	2	2	6	3	7	20	13	2
April - -	8·1	6·4	7·3	2·607	·420	11th	21	1	4	1	0	12	2	12	10	5	5	4	7	8	9	0
May - -	7·4	5·6	6·5	2·131	·509	5th	17	0	1	0	1	7	0	1	3	10	12	11	9	4	5	7
June - -	4·5	4·0	4·3	0·100	·032	8th	6	0	0	0	9	2	0	6	8	14	3	7	5	7	7	3
July - -	6·5	4·8	5·7	2·570	·624	22nd	15	0	1	1	3	6	2	8	5	6	5	2	5	15	16	0
August - -	6·8	5·3	6·1	5·747	**1·942**	**19th**	22	0	0	2	1	5	2	6	1	0	1	6	14	18	14	2
September -	7·0	5·3	6·2	1·043	·350	23rd	13	0	0	0	2	10	1	10	5	5	5	6	5	9	10	5
October - -	7·2	6·0	6·6	4·853	·944	19th	22	0	2	1	2	11	3	6	8	7	3	3	9	17	7	2
November -	6·5	6·1	6·3	0·929	·359	22nd	9	2	1	0	2	9	1	1	0	0	4	7	10	20	6	12
December -	5·7	6·0	5·9	1·554	·274	19th	15	1	0	0	6	7	2	0	0	1	7	14	16	18	3	3
Year -	6·8	5·7	6·3	27·272	—	—	193	15	23	5	34	110	24	65	46	55	58	73	98	181	112	42

PARSONSTOWN (Birr Castle).

Heights above Ground :—Barometer, —2 feet. Thermometers, 4 feet 6 inches. Rain-gauge, 8 inches.

				ins.	ins.																	
January - -	7·5	7·6	7·6	2·369	·900	11th	19	0	0	0	3	18	0	1	0	0	10	3	7	6	3	32
February - -	7·5	7·0	7·3	1·938	·420	15th	16	7	1	0	2	14	0	3	2	1	2	2	5	10	7	24
March - -	7·2	7·0	7·1	1·568	·744	6th	16	2	1	0	3	15	0	5	1	0	5	2	10	6	7	26
April - -	8·7	8·0	8·4	2·010	·645	27th	15	1	5	2	0	19	0	5	4	3	3	3	8	5	11	18
May - -	8·1	8·3	8·2	3·315	·786	5th	19	0	2	0	0	18	0	0	0	0	10	3	3	2	3	41
June - -	6·8	6·1	6·5	1·241	·240	2nd	12	0	0	2	5	12	0	4	1	1	5	3	4	2	7	33
July - -	7·5	6·9	7·2	1·937	·749	24th	11	0	0	2	2	15	0	3	1	1	2	1	3	8	10	33
August - -	9·0	7·8	8·4	5·023	**2·250**	**19th**	19	0	0	3	0	21	0	1	1	0	0	4	15	6	7	28
September -	7·3	7·3	7·3	0·993	·252	18th	14	0	2	0	3	16	0	2	2	0	13	3	8	4	8	20
October - -	7·6	7·3	7·5	3·604	·749	18th	22	0	2	0	3	16	0	2	1	0	1	4	8	2	7	37
November -	6·9	8·5	7·7	1·585	·581	24th	16	2	1	0	3	20	0	0	0	0	8	4	4	2	5	37
December -	8·1	7·6	7·9	3·668	·631	28th	20	2	1	0	3	21	0	0	0	0	13	6	12	4	0	27
Year -	7·7	7·5	7·6	29·251	—	—	199	14	15	9	27	205	0	26	13	6	72	38	87	57	75	356

KILLARNEY

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

1889.	Mean Pressure at 32° Faht.	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 -	30·052	43·4	42·7	43·1	37·1	48·1	24·0	3rd	56·1	31st	1·3	1·0	1·2	·252	·252	·252	90	92	91
February -	29·965	42·5	41·4	41·9	35·9	48·9	22·5	12th	56·5	17th	1·5	1·8	1·6	·239	·223	·231	88	85	87
March -	·924	43·6	42·8	43·2	37·3	50·2	24·0	10th	56·0	15th	2·1	1·6	1·9	·238	·240	·239	84	87	85
April -	·669	46·3	44·5	45·4	37·5	52·3	27·0	12, 15	56·5	25th	2·8	1·9	2·3	·250	·251	·251	79	85	82
May -	·660	53·4	50·7	52·1	45·1	58·2	34·0	12th	66·0	21st	2·7	1·5	2·1	·335	·330	·332	82	89	86
June -	·962	58·8	55·0	56·9	48·3	65·7	37·3	8th	76·2	18th	3·4	1·8	2·6	·393	·379	·386	79	88	83
July -	·858	59·2	55·1	57·1	49·0	65·6	38·0	10th	74·7	5th	3·3	1·9	2·6	·401	·378	·390	80	87	84
August -	·788	58·2	55·3	56·8	51·3	62·4	41·9	31st	67·0	1st, 31st	2·4	1·6	2·0	·412	·389	·400	85	89	87
September	·958	57·4	56·0	56·7	51·5	62·5	33·5	25th	71·5	12th	2·1	1·3	1·7	·409	·410	·410	87	91	89
October -	29·595	47·6	45·5	46·5	39·0	53·7	27·2	26th	59·0	7th	1·1	0·7	0·9	·303	·288	·295	92	94	93
November	30·087	47·8	47·6	47·7	42·5	52·5	25·5	27, 28	59·1	15th	1·5	1·3	1·4	·295	·298	·297	89	90	89
December	29·978	45·0	45·6	45·3	39·6	50·7	28·5	12th	56·0	24th	1·3	1·4	1·4	·268	·273	·270	90	89	90
Year -	29·875	50·3	48·5	49·4	42·8	55·9	—	—	—	—	2·1	1·5	1·8	·316	·309	·313	85·4	88·8	87·1

VALENCIA

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	30·140	45·2	44·8	45·0	41·4	48·5	30·4	13th	52·8	30th	1·3	1·1	1·2	·271	·274	·273	90·1	91·4	90·8
February -	·069	44·2	44·0	44·1	40·0	48·0	33·4	24th	53·2	16th	1·4	2·3	1·9	·266	·243	·255	88·9	82·9	85·9
March -	30·011	44·2	45·1	44·7	41·4	49·6	32·5	1st	54·0	29th	1·8	1·7	1·8	·256	·266	·261	87·4	88·0	87·7
April -	29·760	46·8	46·2	46·5	41·6	51·5	35·2	8th	53·6	3rd	2·6	2·3	2·5	·262	·262	·262	82·1	83·8	83·0
May -	29·746	52·4	51·4	51·9	48·1	56·6	41·0	12th	62·0	21st	1·9	1·4	1·7	·344	·343	·344	87·5	90·5	89·0
June -	30·047	58·1	55·9	57·0	51·7	62·8	44·6	11th	70·0	21st	3·5	2·9	3·2	·382	·367	·375	78·6	81·9	80·3
July -	29·951	59·2	57·4	58·3	52·8	64·4	46·8	10th	72·6	3, 5	3·9	3·5	3·7	·390	·375	·383	77·5	79·3	78·4
August -	29·882	58·2	56·7	57·5	54·3	61·4	49·5	31st	65·6	1st	3·2	2·6	2·9	·393	·387	·390	81·1	84·0	82·6
September	30·047	57·3	56·8	57·1	54·2	61·7	49·0	1, 25	70·6	1st	2·9	2·5	2·7	·390	·391	·391	82·4	84·2	83·3
October -	29·689	49·1	49·1	49·1	45·1	54·2	38·0	25th	59·1	6th	2·7	2·8	2·8	·285	·283	·284	81·9	81·1	81·5
November	30·169	48·8	48·9	48·9	46·2	52·1	33·9	27th	56·2	17th	2·0	1·9	2·0	·302	·302	·302	86·7	86·4	86·6
December	30·067	46·9	47·3	47·1	43·2	50·2	34·4	12th	53·7	17th	2·0	1·9	2·0	·277	·285	·281	85·4	86·7	86·1
Year -	29·965	50·9	50·3	50·6	46·7	55·1	—	—	—	—	2·4	2·2	2·3	·318	·315	·317	84·1	85·0	84·6

KILLARNEY.

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

1889.	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	6·6	7·3	6·451	1·840	15th	23	0	1	0	1	16	2	5	4	1	2	6	8	8	8	20
February - -	7·1	6·7	6·9	4·055	·730	13th	19	2	3	1	2	12	4	9	2	5	1	0	3	9	14	13
March - -	6·8	6·2	6·5	1·970	·595	6th	16	0	0	0	3	13	0	6	6	4	0	4	6	10	5	21
April - -	7·7	6·5	7·1	3·480	·765	27th	17	0	4	0	0	7	0	12	4	5	1	0	7	10	9	12
May - -	8·3	7·9	8·1	5·035	·860	2nd	18	0	0	1	0	17	0	5	3	2	0	5	17	10	6	14
June - -	6·3	6·0	6·1	1·960	1·250	1st	9	0	0	0	3	11	1	13	6	2	1	4	6	6	4	18
July - -	7·1	6·2	6·7	1·385	·350	23rd	15	0	0	1	2	13	0	9	4	4	4	2	2	13	13	11
August - -	7·7	6·3	7·0	6·745	2·250	19th	23	0	0	0	0	12	3	4	3	1	0	1	4	30	9	10
September -	7·4	6·5	6·9	3·075	·790	23rd	13	0	0	1	2	15	0	9	1	6	4	3	4	9	5	19
October - -	6·4	5·9	6·2	6·405	1·025	18th	22	0	0	0	4	9	2	4	10	2	0	2	7	12	5	20
November -	7·1	7·3	7·2	3·590	·610	21st	19	1	0	0	2	14	1	11	2	6	3	4	13	4	5	12
December -	—	—	—	5·895	·920	19th	24	0	0	1	—	—	1	2	4	1	4	11	15	8	6	11
Year -	—	—	—	50·046	—	—	218	3	8	5	—	—	14	89	49	39	20	42	92	129	89	181

VALENCIA.

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

	10 a.m.	10 p.m.		10.30 a.m.																		
				ins.	ins.																	
January - -	7·9	7·8	7·9	8·160	2·360	15th	20	0	2	0	2	17	9	6	3	2	8	13	2	10	9	9
February - -	7·1	7·5	7·3	4·410	·810	13th	24	2	5	0	1	12	7	8	3	3	0	3	6	6	16	11
March - -	7·1	7·1	7·1	3·355	·645	6th	18	0	2	0	2	15	2	13	2	3	8	6	7	4	7	12
April - -	7·5	6·9	7·2	2·735	·370	29th	18	0	3	0	0	10	6	12	8	4	1	5	7	3	11	9
May - -	7·4	8·2	7·8	6·960	1·090	2nd	24	0	0	0	0	19	2	7	0	0	10	13	8	5	7	12
June - -	6·6	4·9	5·8	1·150	·440	1st	10	0	0	0	2	6	4	16	0	1	8	6	3	6	5	15
July - -	7·2	6·9	7·1	2·320	·360	20, 22	16	0	0	0	1	12	1	12	2	3	7	2	4	7	13	12
August - -	7·9	7·9	7·9	7·345	1·365	19th	24	0	0	0	1	18	5	8	1	0	4	10	11	12	15	1
September -	8·2	7·9	8·1	3·445	·830	10th	19	0	0	1	0	16	2	11	2	1	15	5	9	3	7	7
October - -	7·1	5·4	6·3	5·970	1·275	17th	23	0	2	0	2	9	5	6	10	1	6	3	3	13	8	12
November -	8·5	8·2	8·4	4·210	·625	30th	19	2	1	0	0	16	8	3	3	3	17	7	3	8	8	8
December -	8·5	7·5	8·0	6·745	·740	23rd	25	0	2	0	1	17	13	4	1	0	15	15	8	8	8	3
Year -	7·6	7·2	7·4	56·805	—	—	240	4	17	1	12	167	64	106	35	21	99	88	71	85	114	111

PART III.—ANNUAL SUMMARY of Observations taken at 9 a.m. and 9 p.m. each Day, at British Stations of the Second Order. 1889.

Stations. Name.	Height above Mean Sea Level.	Long.	Lat.	Mean Pressure at 32° Fahrenheit.	Air Temp. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min.	Date.	Absolute Max.	Date.	Depression of Wet Bulb. 9 a.m.	9 p.m.	Mean.	Tension of Vapour. 9 a.m.	9 p.m.	Mean.	Percentage. 9 a.m.	9 p.m.	Mean.
	feet.	° ′	° ′	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
Swanbister	68	3 8 W.	58 56 N.	29·767	46·6	45·0	45·8	41·3	49·9	23·1	Feb. 9th	65·1	June 26th	2·0	1·5	1·8	·280	·273	·277	85·4	88·7	87·1
Lairg	{458 335}	4 22 W.	58 1 N.	29·440	45·7	44·0	44·9	38·2	52·3	12·0	Feb. 11th	76·5	June 26th	2·5	1·8	2·2	·259	·257	·258	82·8	87·5	85·2
Dunrobin Castle	12	3 56 W.	57 59 N.	29·858	47·4	46·2	46·8	41·5	53·1	21·5	Feb. 10th	74·3	June 12th	2·6	2·3	2·5	·277	·269	·273	81·9	83·3	82·6
Gordon Castle	101	3 5 W.	57 37 N.	29·752	48·2	45·6	46·9	40·6	54·7	18·5	Mar. 4th	81·5	June 26th	3·7	2·8	3·3	·264	·249	·257	76·9	79·5	78·2
Glencarron	489	5 14 W.	57 30 N.	29·322	46·0	45·0	45·5	39·8	52·1	13·0	Feb. 10th	78·8	July 31st	2·5	2·2	2·4	·260	·255	·258	82·3	83·6	83·0
Aberdeen	46	2 6 W.	57 10 N.	29·790	46·4	45·6	46·0	41·3	50·8	10·5	Mar. 5th	73·5	June 26th	2·8	2·3	2·6	·260	·261	·261	80·4	83·4	81·9
Fort Augustus	68	4 40 W.	57 8 N.	29·800	46·9	46·8	46·9	40·6	53·5	10·0	Feb. 11th	78·5	June 26th	2·5	2·5	2·5	·270	·270	·270	82·8	82·8	82·8
Braemar	1,111	3 24 W.	57 0 N.	28·660	43·8	43·1	43·5	37·7	51·0	8·4	Mar. 2nd	77·7	June 21st	2·7	2·2	2·5	·241	·241	·241	81·2	83·4	82·3
Fort William	33	5 7 W.	56 49 N.	29·855	47·3	46·6	47·0	41·6	54·1	15·7	Feb. 10th	81·9	July 3rd	2·6	2·4	2·5	·272	·269	·271	82·0	83·6	82·8
Lednathie	719	3 7 W.	56 45 N.	29·095	44·7	43·1	43·9	37·3	51·5	7·8	Mar. 5th	75·0	July 6th	2·7	1·9	2·3	·246	·244	·245	80·4	85·2	82·8
Laudale	14	5 41 W.	56 41 N.	29·863	48·8	47·7	48·3	42·8	54·1	19·0	Feb. 11th	75·1	July 31st	2·7	2·3	2·5	·291	·288	·290	82·2	84·3	83·3
Dundee	160	2 56 W.	56 28 N.	29·715	46·9	45·0	46·0	40·5	52·7	19·6	Mar. 4th	79·4	June 26th	2·3	1·7	2·0	·281	·273	·277	83·9	87·6	85·8
Ochtertyre	329	3 53 W.	56 23 N.	29·535	46·6	45·8	46·2	39·4	54·9	20·0	Feb. 10th	81·5	June 22nd	2·7	2·9	2·8	·264	·253	·259	80·8	79·3	80·1
Callton Mor	132	5 30 W.	56 8 N.	29·760	48·2	46·0	47·1	41·4	53·8	18·4	Mar. 1st	80·3	June 22nd	2·5	2·0	2·3	·285	·269	·277	83·1	84·7	83·9
Glasgow	180	4 18 W.	55 53 N.	29·705	47·5	46·3	46·8	42·2	53·0	24·3	Feb. 10th	77·8	June 22nd	2·6	2·2	2·4	·276	·274	·275	82·1	84·0	83·1
Rosewell	690	3 7 W.	55 51 N.	29·152	46·1	44·1	45·1	38·3	52·2	18·5	Mar. 4th	77·0	May 21st	1·9	1·3	1·6	·275	·267	·271	86·3	90·0	88·2
Rothesay	115	5 4 W.	55 50 N.	29·792	48·2	46·1	47·2	41·7	54·8	23·2	Feb. 10th	79·0	June 21st	2·4	1·8	2·1	·289	·277	·283	83·7	86·8	85·3
Marchmont	498	2 25 W.	55 44 N.	29·372	45·6	42·4	44·0	39·0	52·6	15·0	Mar. 4th	78·0	July 30th	2·1	1·1	1·6	·267	·253	·260	85·5	91·3	88·4
Wolfelee	587	2 39 W.	55 23 N.	29·260	46·0	43·8	44·9	36·7	53·8	13·0	Mar. 4th	81·2	May 22nd	2·2	1·4	1·8	·274	·267	·271	84·7	89·1	86·9
Pinmore	187	4 49 W.	55 12 N.	29·713	48·0	45·6	46·8	40·2	54·6	16·9	Feb. 11th	79·0	June 21st	2·5	1·5	2·0	·285	·278	·282	83·1	88·5	85·8
Glenlee	203	4 12 W.	55 5 N.	29·683	47·7	45·8	46·8	39·6	53·6	10·0	Feb. 20th	77·0	June 21st	2·6	1·6	2·1	·279	·278	·279	81·9	88·2	85·1
Cramlington	255	1 35 W.	55 5 N.	29·621	46·6	44·6	45·6	39·3	52·5	9·8	Mar. 4th	78·9	June 26th	2·0	1·3	1·7	·280	·273	·276	85·5	89·4	87·5
Cargen	72	3 37 W.	55 2 N.	29·829	48·0	47·3	47·7	40·3	54·7	19·0	Mar. 4th	80·8	June 22nd	2·2	1·8	2·0	·292	·293	·293	85·0	86·5	85·8
Durham	336	1 35 W.	54 46 N.	29·538	47·3	45·1	46·2	40·2	53·9	10·7	Mar. 4th	80·2	July 6th	2·3	1·3	1·8	·287	·282	·285	84·4	89·4	86·9
Newton Reigny	579	2 48 W.	54 41 N.	29·296	46·5	45·2	45·9	39·1	53·2	17·3	Mar. 3rd	77·0	June 2nd	1·9	1·3	1·6	·287	·284	·286	87·5	90·6	89·1
Aysgarth	658	1 58 W.	54 18 N.	—	46·8	—	—	—	52·8	11·7	Mar. 2nd	78·0	*Aug. 1st*	2·9	—	—	·268	—	—	79·9	—	—
Scarborough	159	0 23 W.	54 17 N.	29·753	47·8	46·1	47·0	42·0	52·2	23·0	Mar. 4th	76·7	July 6th	2·0	1·4	1·7	·299	·292	·296	86·9	90·2	88·6
Cronkbourne	137	4 29 W.	54 10 N.	29·781	49·9	47·6	48·8	43·1	53·8	22·5	Feb. 11th	74·2	June 22nd	2·1	1·4	1·8	·317	·306	·312	86·0	90·1	88·1
York (Museum)	51	1 5 W.	53 57 N.	29·871	47·9	46·9	47·4	41·2	54·9	21·0	Feb. 10th	79·0	{June 27th July 31st}	2·4	1·8	2·1	·287	·288	·288	84·0	86·8	85·4
Stonyhurst	375	2 28 W.	53 51 N.	29·554	47·8	46·5	47·2	41·6	52·9	21·4	{Feb. 11th Mar. 4th}	76·4	June 22nd	2·9	2·3	2·6	·278	·276	·277	80·1	83·3	81·7
Wakefield	96	1 30 W.	53 41 N.	29·839	47·4	47·1	47·2	41·7	54·5	16·6	Mar. 4th	80·4	June 2nd	1·7	1·3	1·5	·298	·303	·301	87·8	90·3	89·1
Prestwich	294	2 17 W.	53 32 N.	29·588	47·7	46·5	47·1	41·8	53·7	21·9	Feb. 11th	77·5	June 22nd	2·5	1·8	2·2	·287	·288	·288	83·7	87·2	85·5
Liverpool	188	3 4 W.	53 24 N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Llandudno	88	3 50 W.	53 21 N.	29·838	49·9	48·9	49·4	44·4	54·5	25·5	Mar. 4th & 5th	78·6	July 31st	3·2	2·6	2·9	·289	·289	·289	78·8	81·7	80·3
Buxton	987	1 54 W.	53 14 N.	28·883	45·7	44·0	44·8	38·6	—	9·4	Mar. 4th	74·3	June 2nd	2·2	1·5	1·8	·267	·263	·265	84·7	88·9	86·8
Cheadle	646	1 57 W.	52 58 N.	29·269	45·6	45·3	45·4	40·4	52·6	18·0	Jan. 6th	75·3	July 31st	1·9	1·6	1·7	·272	·275	·274	86·2	88·1	87·2
Hillington (Norfolk)	88	0 33 E.	52 48 N.	29·854	47·9	45·5	46·7	40·4	54·6	5·6	Feb. 12th	84·8	June 24th	2·0	1·1	1·6	·305	·294	·300	86·8	91·3	89·1
Uppingham	484	0 44 W.	52 35 N.	29·421	46·9	45·3	46·1	40·7	54·0	16·4	Jan. 6th	81·9	June 2nd	1·8	1·3	1·6	·296	·288	·292	86·9	90·0	88·5
Churchstoke	538	3 5 W.	52 31 N.	29·377	48·0	45·0	46·5	39·6	54·3	14·4	Jan. 6th	77·7	July 30th	2·3	1·5	1·9	·294	·278	·286	83·9	88·4	86·2
Geldeston (Beccles)	37	1 31 E.	52 28 N.	29·909	48·7	46·6	47·7	41·2	54·8	13·8	Feb. 13th	81·0	Aug. 30th	2·3	1·2	1·8	·306	·303	·305	84·7	90·6	87·7
Bennington	407	0 5 W.	51 54 N.	29·539	47·5	46·0	46·8	40·9	54·3	15·1	Feb. 13th	80·5	{June 2nd Aug. 1st}	2·4	1·7	2·0	·284	·282	·283	83·6	87·8	85·7
Cheltenham	184	2 3 W.	51 54 N.	29·755	48·4	46·9	47·6	40·8	55·3	7·0	Feb. 12th	80·2	June 26th	2·2	1·5	1·8	·297	·297	·297	85·0	89·1	87·1
St. David's	215	5 16 W.	51 53 N.	29·745	50·3	48·4	49·4	44·9	54·2	26·8	Dec. 28th	71·2	June 22nd	2·0	1·5	1·8	·326	·314	·320	86·0	89·3	87·7
Carmarthen	188	4 18 W.	51 52 N.	29·758	51·1	47·3	49·2	42·4	56·4	22·1	Mar. 3rd	78·1	June 22nd	3·4	1·9	2·7	·306	·293	·300	79·3	86·5	82·9
Berkhamsted	400	0 34 W.	51 46 N.	29·549	47·2	45·7	46·5	40·4	54·8	12·8	Feb. 13th	81·1	Aug. 1st	2·4	1·5	2·0	·281	·283	·282	83·9	88·8	86·4
Kew	18	0 19 W.	51 28 N.	29·954	48·2	48·0	48·1	42·3	55·2	14·9	Feb. 13th	80·2	Aug. 1st	2·4	2·1	2·3	·293	·296	·295	83·9	85·4	84·7
Margate	83	1 24 E.	51 24 N.	29·879	49·1	47·7	48·4	43·4	54·3	16·4	Feb. 13th	82·8	June 2nd	2·3	1·6	2·0	·308	·306	·307	84·3	88·3	86·3
Southampton	78	1 24 W.	50 55 N.	29·904	50·4	48·4	49·4	43·4	57·4	20·7	Jan. 6th	84·1	June 27th	2·5	1·7	2·1	·322	·315	·319	84·4	88·3	86·4
Eastbourne	39	0 17 E.	50 46 N.	29·948	49·7	49·1	49·4	45·0	55·1	24·0	Jan. 7th	78·0	June 6th	2·3	2·0	2·2	·315	·315	·315	84·5	86·7	85·6
Rousdon	523	3 0 W.	50 42 N.	29·418	48·8	46·2	47·5	42·0	55·0	23·7	Mar. 2nd	79·4	June 20 & 26	2·1	1·4	1·8	·304	·287	·295	85·7	89·1	87·4
Dartmoor	1,359	3 59 W.	50 33 N.	—	48·4	45·3	46·9	39·2	—	18·0	Mar. 4th, 21st	74·9	May 14th	1·9	1·9	1·9	·313	·277	·295	85·7	84·7	85·2
Babbacombe	293	3 31 W.	50 29 N.	29·672	50·9	48·2	49·6	44·2	56·4	24·4	Mar. 2nd	80·4	June 27th	2·7	1·8	2·3	·318	·306	·312	82·8	87·2	85·0
Falmouth	167	5 4 W.	50 9 N.	29·818	51·0	49·1	50·1	45·7	54·8	27·9	{Feb. 25th Mar. 1st}	73·2	June 22nd	2·9	2·1	2·5	·310	·303	·307	81·1	84·7	82·9
Londonderry	67	7 19 W.	55 0 N.	29·832	49·3	47·5	48·4	43·0	55·2	22·0	Feb. 11th	80·0	June 23, 24	2·5	1·8	2·2	·301	·295	·298	83·2	87·0	85·1
Lissan (Co. Tyrone)	300	6 45 W.	54 41 N.	29·612	48·0	46·6	47·3	40·5	54·1	20·0	Feb. 10th	76·0	June 22nd	2·3	1·8	2·1	·289	·283	·286	84·6	87·0	85·8
Armagh	196	6 39 W.	54 21 N.	29·710	49·0	46·4	47·7	41·7	54·5	20·8	Feb. 11th	76·5	July 6th	2·5	1·7	2·1	·299	·287	·293	83·7	87·8	85·8
Brookeborough	271	7 22 W.	54 21 N.	29·641	47·6	46·3	47·0	40·3	53·7	9·5	Feb. 11th	76·7	June 21st	2·0	1·3	1·7	·291	·290	·291	86·5	90·6	88·6
Markree Castle	122	8 27 W.	54 11 N.	29·777	48·8	46·7	47·8	41·2	54·0	10·8	Feb. 11th	76·2	July 5th	2·2	1·3	1·8	·304	·297	·301	85·6	90·3	88·0
Edgeworthstown	267	7 39 W.	53 45 N.	29·640	48·3	46·4	47·4	40·4	54·7	17·0	Feb. 11th	74·5	Sept. 12th	1·9	1·3	1·6	·305	·296	·301	87·1	91·1	89·1
Glasnevin	54	6 16 W.	53 23 N.	29·897	49·7	47·3	48·5	41·6	55·2	17·0	Feb. 11th	78·8	July 6th	2·1	1·2	1·7	·319	·309	·314	86·4	91·7	89·1
Dublin (Phœnix Pk.)	155	6 21 W.	53 22 N.	29·780	49·0	46·7	47·9	41·2	54·9	17·2	Feb. 11th	76·2	June 22nd	2·6	1·7	2·2	·296	·289	·293	82·7	87·9	85·3
Dublin (City)	47	6 15 W.	53 20 N.	29·906	49·7	48·9	49·3	44·3	55·4	21·7	Feb. 11th	77·8	July 6th	2·6	2·2	2·4	·302	·302	·302	82·8	84·8	83·8
Parsonstown	175	7 55 W.	53 6 N.	29·765	48·7	47·1	47·9	41·2	55·3	20·1	Feb. 28th	77·3	June 21st	2·5	1·6	2·1	·297	·296	·297	83·7	88·3	86·0
Killarney	86	9 30 W.	52 4 N.	29·875	50·3	48·5	49·4	42·8	55·9	22·5	Feb. 12th	76·2	June 18th	2·1	1·5	1·8	·316	·309	·313	85·4	88·8	87·1
Valencia	9	10 18 W.	51 55 N.	29·965	50·9	50·3	50·6	46·7	55·1	30·4	Jan. 13th	72·6	July 3rd, 5th	2·4	2·2	2·3	·318	·315	·317	84·1	85·0	84·6

Amount of Cloud. 9 a.m.	9 p.m.	Mean.	Rainfall. Total.	Max.	Date.	Weather, No. of Days of Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	Wind, No. of Observations of N.	N.E.	E.	S.E.	S.	S.W.	W.	NW.	Calm.	Stations.
			ins.	ins.																		
—	—	—	35·620	1·570	Aug. 20th	252	—	—	—	—	—	38	82	44	62	103	112	87	90	124	26	Swanbister.
—	—	—	28·630	·890	Oct. 7th	216	50	3	2	—	—	10	48	39	228	34	23	32	146	84	96	Lairg.
—	—	—	27·690	1·220	Aug. 20th	140	21	0	2	—	—	—	103	104	90	109	56	36	115	117	0	Dunrobin Castle.
—	—	—	26·620	—	—	169	27	12	4	—	—	35	57	54	22	141	44	203	68	82	59	Gordon Castle.
8·3	7·9	8·1	79·720	3·470	Nov. 2nd	261	9	0	3	—	—	2	60	31	190	10	14	4	382	6	33	Glencarron.
6·4	6·3	6·4	27·963	1·290	Aug. 5th, 10th	214	37	11	4	17	98	17	24	26	55	88	144	83	102	95	113	Aberdeen.
6·8	—	—	32·670	1·340	Aug. 20th	210	—	—	1	—	—	14	58	112	20	16	24	306	41	21	132	Fort Augustus.
6·8	6·4	6·6	29·600	2·130	Aug. 10th	196	45	0	8	10	72	8	11	127	54	34	38	353	27	86	0	Braemar.
7·8	7·2	7·5	65·369	2·035	Feb. 18th	244	16	2	3	15	187	3	22	127	70	41	41	343	71	5	10	Fort William.
—	—	—	35·070	1·720	Jan. 8th	189	51	14	16	—	—	45	39	61	71	77	36	79	146	135	86	Lednathie.
7·8	7·5	7·7	66·400	1·550	Aug. 27th	244	33	25	7	15	208	17	61	20	107	60	49	55	95	60	223	Laudale.
7·9	8·4	8·2	24·690	1·030	July 24th	184	19	3	11	9	214	33	27	82	59	126	30	113	191	102	0	Dundee.
7·1	6·4	6·8	28·850	1·120	Aug. 17th	188	—	—	—	23	150	9	44	28	206	9	7	97	194	72	73	Ochtertyre.
5·3	4·8	5·1	41·890	1·230	Dec. 9th	230	26	20	8	25	27	46	77	71	40	150	47	141	54	143	7	Callton Mor.
8·4	7·7	8·1	30·562	1·060	Nov. 22nd	198	14	7	7	4	211	2	36	104	118	23	98	145	157	45	4	Glasgow.
6·7	6·2	6·5	27·470	1·330	July 9th	193	16	0	4	24	106	28	10	86	52	43	23	282	139	95	0	Rosewell.
7·0	6·8	6·9	39·360	1·380	Aug. 19th	230	11	4	11	19	94	6	21	109	71	51	82	85	151	92	68	Rothesay.
7·6	7·2	7·4	32·370	1·120	July 9th	209	29	16	19	15	175	45	123	50	81	13	41	54	244	75	49	Marchmont.
—	—	—	31·100	1·360	Dec. 19th	162	14	1	15	—	—	—	37	98	42	52	36	264	122	79	0	Wolfelee.
8·0	7·3	7·7	44·400	1·800	July 10th	208	9	6	7	9	153	32	31	22	16	38	66	36	56	79	386	Pinmore.
—	—	—	49·620	1·450	Oct. 6th	221	14	5	12	—	—	16	35	33	43	30	80	117	99	58	235	Glenlee.
7·4	6·0	6·7	25·970	·920	Mar. 19th	192	29	9	13	16	130	1	72	73	60	55	75	103	147	142	3	Cramlington.
5·5	5·3	5·4	37·070	1·780	Mar. 6th	174	8	2	12	16	42	12	67	73	141	65	67	110	120	87	0	Cargen.
8·4	7·6	8·0	20·651	·895	Mar. 8th	178	37	3	21	9	220	5	42	45	42	13	87	77	85	83	256	Durham.
7·5	6·8	7·2	28·760	1·070	Oct. 8th	190	25	2	10	27	190	11	39	37	22	144	80	72	99	79	158	Newton Reigny.
—	—	—	28·380	1·400	Oct. 22nd	177	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Aysgarth.
6·6	5·8	6·2	28·720	1·250	Mar. 8th	197	25	3	13	31	122	17	53	126	43	49	53	225	85	86	10	Scarborough.
7·3	7·2	7·3	36·610	1·264	Aug. 19th	205	14	15	8	9	162	35	87	47	67	85	60	90	103	137	54	Cronkbourne.
7·0	6·2	6·6	23·400	1·510	May 10th	178	20	4	15	34	138	1	105	69	85	57	134	55	166	49	10	York (Museum).
8·1	7·6	7·9	42·598	2·060	Sept. 26th	207	22	19	12	19	228	1	33	110	47	25	44	115	134	47	175	Stonyhurst.
7·5	6·4	6·9	25·830	1·060	Mar. 8th	169	26	1	20	25	149	3	77	70	44	54	47	57	160	60	161	Wakefield.
8·5	6·6	7·6	34·720	1·460	Aug. 5th	202	32	22	23	19	200	13	72	10	117	47	125	5	133	39	182	Prestwich.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Liverpool.
6·9	6·5	6·7	28·428	·970	Aug. 19th	176	8	3	3	29	152	8	73	48	62	33	63	96	275	80	0	Llandudno.
7·1	6·2	6·6	45·841	1·180	Mar. 19th	216	38	7	11	15	140	—	12	58	101	70	41	89	198	94	67	Buxton.
7·5	6·6	7·0	30·810	1·300	Mar. 8th	205	31	9	32	24	162	16	85	48	111	67	80	76	91	130	42	Cheadle.
7·5	6·7	7·1	27·888	1·310	Aug. 11th	207	36	7	24	24	162	8	30	141	45	90	57	196	61	110	0	Hillington (Norfolk).
8·0	6·6	7·3	25·263	1·184	Sept. 23rd	181	34	12	25	24	187	13	108	82	36	29	101	130	121	80	43	Uppingham.
8·3	6·8	7·6	31·360	2·094	Apr. 8th	181	22	5	12	8	179	1	38	50	46	117	15	136	141	178	9	Churchstoke.
7·3	6·2	6·8	24·110	1·230	Sept. 24th	182	29	20	23	41	159	2	84	90	67	38	69	128	163	66	25	Geldeston (Beccles).
7·3	6·6	7·0	29·150	2·510	July 12th	210	36	15	33	37	172	0	49	80	68	63	78	122	145	43	82	Bennington.
7·5	6·5	7·0	27·070	2·060	Mar. 8th	181	23	7	14	18	152	7	51	22	21	47	80	91	111	56	251	Cheltenham.
7·6	5·7	6·7	28·665	1·397	Sept. 23rd	209	15	21	3	15	124	9	66	72	42	86	57	150	74	132	51	St. David's.
7·4	5·9	6·7	38·620	1·680	Sept. 23rd	205	13	11	2	37	158	3	95	38	64	45	45	111	83	68	181	Carmarthen.
7·4	6·3	6·9	26·869	1·378	May 26th	187	37	21	21	34	156	1	73	72	49	55	70	76	141	97	97	Berkhamsted.
7·6	6·0	6·8	23·595	1·510	May 26th	218	25	11	20	22	159	0	76	61	43	22	73	125	92	42	196	Kew.
7·0	5·9	6·5	22·780	·930	July 16th	179	22	13	8	43	152	1	86	38	92	32	94	141	149	28	70	Margate.
7·7	5·8	6·8	25·418	1·210	May 26th	175	18	9	9	42	164	1	35	151	40	59	20	187	78	124	36	Southampton.
6·6	5·2	5·9	30·230	1·510	Oct. 8th	156	11	1	11	60	116	19	118	51	35	22	54	104	144	113	89	Eastbourne.
7·3	6·7	7·0	28·170	1·100	Apr. 7th	180	23	13	15	36	172	16	98	83	57	45	45	115	105	156	26	Rousdon.
6·9	6·4	6·7	81·550	2·960	Mar. 6th	213	18	3	3	47	167	2	26	55	35	86	5	131	38	112	242	Dartmoor.
7·1	5·7	6·4	26·400	1·260	Mar. 6th	183	22	21	10	37	135	24	82	105	62	40	45	129	146	109	12	Babbacombe.
7·3	5·5	6·4	41·440	1·360	Oct. 18th	203	12	10	2	24	121	29	145	31	37	60	65	97	102	120	73	Falmouth.
8·0	6·8	7·4	39·830	1·200	Sept. 26th	229	11	14	2	23	192	0	23	76	21	88	38	346	23	108	7	Londonderry.
—	—	—	41·880	·950	Jan. 11th	269	19	1	1	—	—	0	74	51	43	62	97	131	97	175	0	Lissan (Co. Tyrone).
8·3	7·9	8·1	30·641	1·580	Aug. 19th	202	9	0	4	14	243	1	52	48	49	52	150	191	75	62	51	Armagh.
9·1	7·8	8·5	40·489	1·330	Jan. 11th	206	10	0	0	11	252	0	15	49	8	41	120	193	7	32	265	Brookeborough.
8·8	8·8	8·8	43·500	1·840	Oct. 18th	248	10	12	2	1	271	4	73	19	20	137	146	78	49	95	113	Markree Castle.
6·9	5·8	6·4	33·940	1·420	Aug. 19th	241	13	14	2	28	116	6	55	47	53	99	60	112	168	66	70	Edgeworthstown.
6·6	5·3	6·0	25·470	1·300	Aug. 19th	163	18	10	7	26	83	1	11	41	14	118	12	222	55	82	175	Glasnevin.
7·1	6·1	6·6	26·930	1·910	Aug. 19th	241	15	7	5	27	134	1	18	20	26	31	34	115	126	50	310	Dublin (Phœnix Park).
6·8	5·7	6·3	27·272	1·942	Aug. 19th	193	15	23	5	34	110	24	65	46	55	58	73	98	181	112	42	Dublin (City).
7·7	7·5	7·6	29·251	2·250	Aug. 19th	199	14	15	9	27	205	0	26	13	6	72	38	87	57	75	356	Parsonstown.
—	—	—	50·046	2·250	Aug. 19th	218	3	8	5	—	—	14	89	49	39	20	42	92	129	89	181	Killarney.
7·6	7·2	7·4	56·805	2·360	Jan. 15th	240	4	17	1	12	167	64	106	35	21	99	88	71	85	114	111	Valencia.

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.

1889.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1889.
	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	
Swanbister - -	29	14	44	17	76	21	113	26	170	33	197	36	161	30	142	30	92	24	74	24	41	18	28	13	Swanbister.
Aberdeen - -	60	27	78	30	87	24	97	23	198	39	245	47	156	30	133	29	105	28	78	25	71	30	24	12	Aberdeen.
Braemar - -	39	17	46	18	84	23	86	20	180	36	217	41	154	29	85	18	111	30	48	15	50	21	21	11	Braemar.
Glasgow - -	19	8	64	24	89	25	100	24	127	25	212	41	144	28	114	25	109	29	44	14	36	15	23	11	Glasgow.
Durham - -	48	20	75	28	95	26	79	19	145	29	214	42	126	25	121	26	117	31	42	13	54	22	47	22	Durham.
Newton Reigny -	41	17	62	23	91	25	100	24	195	39	262	51	180	35	89	20	150	40	55	17	57	23	27	13	Newton Reigny.
Cronkbourne - -	46	19	83	31	112	31	125	30	209	43	277	55	213	42	126	28	129	35	87	27	53	21	45	20	Cronkbourne.
York - - -	31	13	66	25	94	26	?97	?23	134	27	238	47	164	32	?114	?25	103	27	46	14	42	17	21	9	York.
Stonyhurst - -	26	11	77	29	95	26	96	23	146	30	254	50	185	37	110	24	118	32	50	16	39	15	20	9	Stonyhurst.
Llandudno - -	40	16	48	18	78	21	94	23	142	29	208	42	159	32	101	23	106	28	54	17	?42	?17	—	—	Llandudno.
Buxton - -	18	7	35	13	91	25	68	16	101	21	190	38	146	29	105	23	103	28	53	16	26	10	20	9	Buxton.
Hillington - -	28	11	51	19	105	29	91	22	178	37	207	41	170	34	167	37	114	30	81	25	68	27	34	15	Hillington.
Churchstoke - -	41	16	47	18	98	27	81	20	143	29	216	43	196	39	145	32	110	29	83	26	52	20	43	19	Churchstoke.
Geldeston - -	36	14	65	24	97	27	86	21	197	41	214	43	171	35	180	40	137	37	91	28	67	26	39	17	Geldeston.
St. David's, Pembroke*	43	17	81	30	112	31	156	38	178	37	317	64	209	42	192	43	114	30	103	32	34	13	44	19	St. David's, Pembroke.*
Berkhamsted - -	29	12	58	21	85	23	98	24	151	31	201	41	174	35	167	37	128	34	90	28	53	21	31	13	Berkhamsted.
Kew - - -	24	9	53	19	84	23	92	22	148	31	200	41	147	30	169	38	133	36	84	26	42	16	31	13	Kew.
Southampton - -	42	16	60	22	99	27	117	28	153	32	229	47	179	36	189	43	138	37	87	27	43	16	38	16	Southampton.
St. Leonards - -	50	20	66	24	99	27	132	32	200	42	265	54	198	40	210	47	172	46	104	32	57	22	59	25	St. Leonards.
Eastbourne - -	40	16	55	20	96	26	128	31	192	40	251	52	197	40	190	43	162	43	113	35	51	19	52	22	Eastbourne.
Southbourne - -	57	22	62	23	84	23	109	27	151	32	220	45	183	37	167	38	104	28	70	21	41	16	44	19	Southbourne.
Rousdon - -	68	26	69	25	109	30	128	31	158	33	227	47	170	35	182	41	129	34	89	27	46	18	61	26	Rousdon.
Falmouth - -	48	18	82	30	108	30	180	44	185	39	229	47	202	42	204	46	138	37	110	34	40	15	61	25	Falmouth.
Armagh - -	26	11	66	25	84	23	90	22	128	26	225	45	167	33	78	17	95	25	78	24	47	19	38	17	Armagh.
Markree Castle -	25	10	67	25	81	22	113	27	136	28	185	37	160	32	101	22	84	22	87	27	35	14	31	14	Markree Castle.
Dublin† - -	36	15	72	27	102	28	112	27	158	33	261	52	199	40	135	30	98	26	78	24	72	28	60	26	Dublin.†
Parsonstown - -	35	14	75	28	108	30	130	31	146	30	191	38	179	36	131	29	114	30	81	25	45	18	38	17	Parsonstown.
Valencia - -	56	22	82	30	142	39	154	37	169	35	243	49	213	43	137	31	89	24	123	38	42	16	36	15	Valencia.

* The values for St. David's, Pembroke, are those obtained from the Sunshine Recorder at St. Ann's Head, the Telegraphic Reporting Station.
† At Dublin the Sunshine Recorder is at the Ordnance Survey Office, in the Phœnix Park.