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Official, No. 110.

METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER

For the Year 1890.

With Frontispiece Map.

Published by Direction of the Meteorological Council.

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STATIONS OF THE SECOND ORDER, 1890.

ERRATUM.

Page 28.—Wolfelee, Wind, 27th, 9 a.m. For "SW" read "W."

ADDITIONAL ERRATA FOR 1884.

Page 97.—Armagh, Mean Min. For "58·1" read "48·1."
„ 222. „ „ June and Year. For "58·1," "43·4," read "48·1," "42·6."
„ 230. „ „ For "43·4" read "42·6."

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

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

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MAP OF STATIONS - - - - - - - - - *Frontispiece.*

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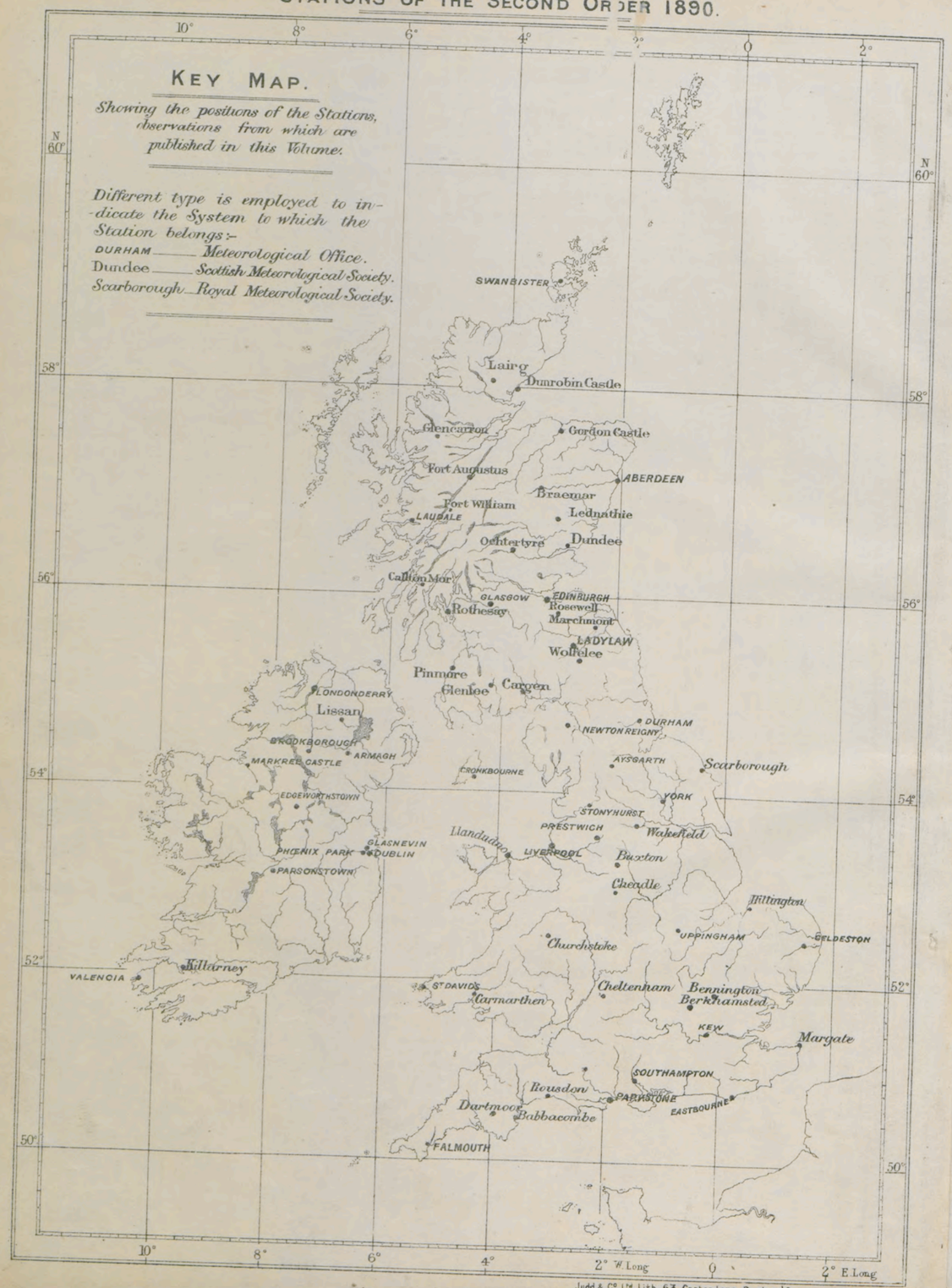

OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER, 1890.

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 1889, except that the observations at Swanbister were discontinued, and the station—after an interval—replaced by Stenness, which is about four miles to the N.W. 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 and Stenness, Orkney	W. Irvine Fortescue and M. Spence.
Dunrobin Castle	D. Melville (for the Duke of Sutherland, K.G.).
Braemar	James Aitken.
Laudale	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
Dundee	W. Ross M'Kelvie.
Glasgow	*The late* Prof. R. Grant, M.A., LL.D., F.R.S.
Wolfelee	W. Cockburn (for Sir W. Elliot, K.S.I.).
Scarborough	W. Robinson.
Cronkbourne, Isle of Man	A. W. Moore, M.A., F.R.Met.Soc.
Stonyhurst College	Rev. W. Sidgreaves, S.J.
Hillington	Rev. H. Ffolkes, M.A., F.R.Met.Soc.
Churchstoke	P. Wright, F.C.S., F.R.Met.Soc.
Carmarthen	G. J. Hearder, M.D.
Margate	J. Stokes, F.R.Met.Soc.
Southampton	J. T. Cook (for the Director General of Survey).
Babbacombe (Torquay)	E. E. Glyde, F.R.Met.Soc.
Londonderry	J. Conroy, F.R.Met.Soc.
Armagh Observatory	J. L. E. Dreyer, Ph.D., F.R.A.S.
Markree Castle	A. Marth, F.R.A.S. (for Colonel Cooper, F.R.A.S.).
Dublin (Phœnix Park)	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 "S" and "M" are in connexion with the Scottish Meteorological Society and the Royal Meteorological Society respectively. These Returns are published here under an arrangement which is fully detailed in the Annual Reports of the Meteorological Office.

In the "B" list (pages 132–133) the only change in the stations as compared with those for 1889 is the introduction of Edinburgh, Ladylaw (near Hawick), and Parkstone (near Bournemouth).

It will be noticed that in this "B" list there are included, as in the years 1886–1889, 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

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

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

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

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

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

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

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

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

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

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

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

In Relative Humidity, complete saturation is represented by 100.

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

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

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

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

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

Rain	Hoar-frost	‡Solar Corona
Snow	Dew	‡Solar Halo
*Snow lying	†Silver-thaw ("Rauh-frost," "Duft")	‡Lunar Corona
Snow Drifting	Glazed Frost ("Glatteis")	‡Lunar Halo
Hail	Thunderstorm	Rainbow
Soft-Hail ("Graupel")	Lightning without Thunder, or 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. $\bullet^0$ slight Rain.
$\bullet^2$ heavy Rain.

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

In giving the period of occurrence of the various phenomena "m" is never printed, hence—

a. indicates a.m.
p. ,, p.m.
9a.—9p. ,, 9 a.m. to 9 p.m., and further
n. is used to indicate night.

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

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

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

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

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

SWANBISTER.—JANUARY 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 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	29·78	29·74	42·5	45·0	39·0	—	1·9	2·2	·232	·249	86	84	SW 5	SSW 5	—	—	—	
2	·58	·50	43·0	42·0	41·0	—	1·6	2·2	·242	·221	87	84	SSW 5	SSW 5	—	—	—	Fine *a*. Dull *p*.
3	·36	·25	42·0	42·2	39·0	—	3·0	1·7	·207	·233	78	87	S 4	S 5	—	—	·200	Fine *a*. Dull *p*.
4	29·18	29·20	41·0	40·2	37·0	—	0·5	0·6	·246	·237	96	95	SSW 2	S 3	—	—	·030	
5	28·81	28·90	43·5	42·5	39·0	—	1·5	2·5	·250	·220	88	82	S 8	S 8	—	—	·050	
6	29·41	29·45	44·2	45·5	41·0	—	2·5	1·9	·236	·262	81	86	SW 6	SW 2	—	—	·020	
7	·38	·51	46·1	44·6	42·0	—	0·7	3·6	·296	·218	95	74	SSW 3	SSW 7	—	—	—	
8	·73	·27	40·5	44·5	39·0	—	1·1	1·7	·229	·255	91	87	SSW 2	SSE 4	—	—	·120	
9	·26	·35	44·5	37·0	35·0	—	1·5	0·2	·259	·216	89	98	W 4	NNE 1	—	—	·160	
10	·53	·85	38·0	33·0	33·0	—	1·8	1·0	·194	·167	85	89	N 3	N 1	—	—	—	
11	·66	·42	42·2	43·0	32·0	—	1·2	0·4	·243	·268	90	97	SSE 4	SSW 1	—	—	·150	
12	·54	·54	42·5	43·2	40·0	—	1·9	2·2	·232	·232	86	83	WNW 4	S 7	—	—	·090	
13	·21	·45	42·2	36·4	35·0	—	3·7	0·2	·197	·211	74	98	SW 6	SW 6	—	—	·260	
14	·40	·02	39·7	39·4	36·0	—	0·7	1·6	·230	·210	94	87	SSW 2	NW 6	—	—	·490	
15	·53	·42	41·0	43·8	36·0	—	2·4	1·4	·208	·254	81	89	WSW 3	S 5	—	—	—	
16	·41	·34	45·4	46·6	43·0	—	1·2	1·4	·276	·285	91	90	S 3	SSE 4	—	—	—	
17	29·41	29·37	45·2	44·0	43·0	—	2·4	1·2	·247	·261	83	90	SSW 5	S 5	—	—	—	
18	28·94	28·40	44·0	41·6	38·0	—	2·0	1·4	·244	·233	84	89	SE 8	S 10	—	—	·220	
19	·13	·30	40·8	41·0	39·0	—	1·6	2·0	·221	·215	88	84	SSW 7	W 9	—	—	·200	
20	·70	·80	39·8	38·2	33·0	—	2·1	2·4	·187	·185	83	80	SW 4	SSW 3	—	—	·010	
21	·83	·74	35·5	36·4	34·0	—	1·9	2·0	·172	·178	83	83	SW 6	SSW 7	—	—	—	
22	·61	·68	34·0	33·5	30·0	—	2·6	3·1	·146	·133	74	69	NW 1	Calm 0	—	—	·030	
23	28·67	28·86	30·3	35·8	29·0	—	0·3	1·0	·161	·191	96	91	Calm 0	SW 1	—	—	—	
24	29·11	29·13	36·7	39·0	31·0	—	1·2	1·4	·195	·210	90	89	swbys 1	SbyE 4	—	—	·500	
25	28·50	28·25	42·0	42·2	37·0	—	0·5	1·2	·256	·243	96	90	S by E 4	swbys 6	—	—	·140	
26	28·55	28·78	44·2	40·0	40·0	—	1·8	2·0	·250	·207	86	84	WbyN 7	W 8	—	—	·190	
27	29·15	29·61	38·2	35·0	35·0	—	2·0	1·0	·192	·184	84	92	NWb.N 5	NWb.N 2	—	—	·050	
28	·65	·81	32·5	35·0	31·0	—	0·5	1·5	·175	·174	95	85	NWb.N 1	NWb.W 1	—	—	·370	
29	·98	·92	33·2	39·0	30·0	—	2·2	1·2	·145	·214	77	90	NNW 1	WNW 2	—	—	·390	
30	·88	·84	42·2	45·0	39·0	—	0·2	1·4	·265	·266	98	89	SbyW 1	SWb.W 3	—	—	·320	
31	29·89	29·94	48·0	45·0	43·0	—	1·2	1·5	·304	·264	92	89	WbyS 5	SWbyW 4	—	—	·070	
Mean	29·251	29·246	40·7	40·6	36·7	—	1·6	1·6	·224	·222	87·1	87·2	3·9	4·4	—	—	4·060	

Instruments (except anemometer) removed half-a-mile to the Northward, and to a higher level than formerly. The height given is that of the new position.

DUNROBIN CASTLE.—JANUARY 1890.

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	29·99	29·95	41·0	45·6	38·4	48·0	1·6	1·3	·233	·276	88	90	W	W	—	—	—	Mild day.
2	·75	·65	44·9	43·4	40·6	46·5	1·6	3·1	·261	·217	88	77	SE	E	—	—	—	Dull and mild.
3	·53	·43	40·6	43·6	38·1	45·7	2·6	4·3	·201	·197	80	69	W	W	—	—	—	Dull and mild.
4	29·40	·43	38·9	37·4	33·6	43·6	1·2	2·1	·214	·183	91	82	W	SW	—	—	—	
5	28·97	·18	45·4	45·4	37·4	48·3	3·1	4·9	·236	·203	78	67	SW	W	—	—	·100	Fine and clear. Breezy.
6	29·67	·70	44·6	48·5	38·8	50·0	3·6	5·0	·218	·230	74	67	W	W	—	—	·050	● showers *a*. Clear *p*.
7	·60	·81	51·0	41·4	41·4	55·3	3·3	1·9	·292	·222	78	86	W	NW	—	—	·060	Dull and mild. ● showers.
8	·90	·41	41·9	45·6	38·8	50·0	2·3	1·6	·220	·269	84	88	NW	NW	—	—	·030	Clear.
9	·59	·44	44·6	42·9	39·6	47·3	3·6	0·6	·218	·263	74	95	W	NW	—	—	·520	Clear and mild *a*. ●² *p*.
10	·63	·99	41·9	36·8	35·4	46·0	4·2	4·0	·187	·149	71	68	E	W	—	—	·030	
11	·81	·61	42·2	49·3	35·8	51·5	1·7	2·3	·233	·294	88	84	W	W	—	—	·150	Mild, with ● showers.
12	·76	·61	41·4	43·6	39·6	50·3	3·1	3·1	·199	·219	77	77	N	N	—	—	—	Dull and mild.
13	·46	·73	44·8	37·9	37·9	49·7	1·2	2·4	·269	·183	91	80	S	W	—	—	·200	<. Dull day.
14	·60	·45	40·9	32·3	31·4	47·7	2·2	1·0	·211	·161	84	88	N	W	—	—	·330	Gusty wind.
15	·76	·64	37·9	40·4	29·8	52·0	2·8	0·4	·176	·242	77	97	NW	NW	—	—	—	Dull, with ● showers.
16	·60	·55	50·7	49·3	40·1	54·3	3·7	1·8	·279	·308	76	88	S	W	—	—	—	Dull and mild.
17	·60	29·52	44·9	41·9	41·4	52·0	3·2	0·6	·229	·253	77	95	NW	W	—	—	—	Fine and mild.
18	29·05	28·56	45·2	45·2	38·1	47·3	0·9	2·7	·280	·241	93	81	S	W	—	—	·450	Clear and cold.
19	28·37	28·76	42·2	45·3	37·6	49·3	2·7	2·1	·214	·254	81	84	W	NW	—	—	·100	Fine and cold. Blowy.
20	28·96	29·04	35·5	33·8	33·4	45·3	1·5	0·7	·179	·180	86	92	N	N	—	—	·040	
21	29·06	28·76	35·5	36·1	32·4	40·0	1·5	1·3	·179	·188	86	88	NE	N	—	—	—	Dull and cold. ✳ showers.
22	28·78	28·82	34·5	30·8	29·1	38·7	2·4	0·5	·154	·160	76	93	S	N	—	—	·060	Dull day.
23	28·78	29·07	28·1	30·3	26·6	41·3	0·3	1·0	·144	·144	93	84	N	NW	—	—	—	Fine and mild.
24	29·31	29·30	31·5	40·9	26·4	47·7	0·7	2·4	·160	·208	90	82	N	W	—	—	·240	Frosty and clear.
25	28·81	28·76	41·4	47·5	37·6	48·7	0·7	1·5	·246	·291	95	89	W	SW	—	—	·060	Dull day.
26	28·06	29·23	44·6	39·2	39·1	52·7	2·6	3·4	·237	·176	80	75	W	N	—	—	—	Dull day.
27	29·45	29·82	38·6	34·3	34·1	47·5	1·8	2·2	·199	·156	85	78	NW	N	—	—	—	Cold. ● showers.
28	29·89	30·02	34·8	35·1	30·4	43·0	1·7	2·3	·168	·159	83	78	W	N	—	—	—	Mild.
29	30·21	·24	35·5	38·9	32·4	40·5	1·7	1·4	·176	·210	85	90	NW	W	—	—	·540	Frosty and clear.
30	·05	·06	43·9	48·7	38·9	52·7	0·6	5·2	·273	·229	95	66	NE	W	—	—	·260	Frosty. ✳ showers.
31	30·13	30·16	51·7	42·9	39·6	53·3	1·4	2·4	·347	·226	90	83	NW	NE	—	—	·100	Dull day. ●
Mean	29·465	29·468	41·3	41·1	35·9	47·9	2·1	2·2	·220	·216	83·7	82·6	—	—	—	—	3·320	Fine and mild.

BRAEMAR.—JANUARY 1890.

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.						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	28·86	28·88	38·6	38·8	32·0	44·7	2·0	2·7	·196	·185	84	79	SW 2	SW 2	7	7	—	Fine *a*. Dull *p*.
2	·74	·55	41·6	36·4	35·0	43·8	2·9	3·7	·206	·150	79	70	SW 4	SW 2	7	0	—	Fine *a*. Dull *p*.
3	·40	·29	33·7	34·9	29·2	40·7	3·0	2·2	·135	·160	70	79	SW 0·5	SW 0·5	5	8	—	Fine *a*. Dull *p*.
4	·18	·26	35·7	35·7	32·3	37·8	0·8	1·3	·196	·186	93	88	SW 0·5	SW 1	8	8	·580	Fine *a*. Dull *p*.
5	·03	·15	42·6	37·3	34·3	44·2	1·9	1·0	·233	·203	86	92	SW 6	SW 6	8	10	·600	●². ⊼ 4*p*.
6	·53	·56	41·4	46·7	36·5	47·6	3·6	1·2	·192	·291	74	92	SW 4	SW 6	7	9	·550	⁄ ●
7	·45	·75	49·0	40·8	38·8	51·7	1·9	2·3	·300	·209	87	82	SW 6	SW 6	8	8	·200	● *a*. T *p*.
8	·72	·24	42·8	41·8	40·2	46·0	2·3	1·3	·227	·238	83	90	SW 4	SW 6	8	9	·220	⁄ ●
9	·48	·39	38·9	38·0	37·7	43·6	3·2	0·4	·177	·220	76	96	SW 4	SW 1	3	5	·160	● showers.
10	·38	·79	37·6	33·7	33·0	42·0	1·0	1·8	·206	·157	91	82	NE 2	NE 1	9	4	·140	Dull day.
11	·68	·50	37·6	47·5	32·5	48·8	0·8	3·0	·210	·259	93	80	SW 0·5	SW 2	8	3	·100	Dull day.
12	·64	·65	37·6	39·8	36·5	49·0	1·9	3·0	·190	·188	84	77	NW 2	SW 4	7	9	·150	Fair and clear *a*. Dull *p*.
13	·37	·58	39·6	35·7	34·2	48·2	2·8	1·8	·190	·177	78	85	SW 6	SW 4	8	3	·030	Dull, cold, and damp.
14	·50	·16	39·9	38·3	35·0	48·2	2·3	1·6	·201	·200	82	87	SW 4	SW 4	5	10	·970	●². Cold.
15	·61	·51	36·3	44·9	33·2	45·2	2·6	2·2	·167	·249	78	85	SW 1	SW 6	6	3	—	
16	·52	·47	48·0	46·8	44·8	50·0	2·5	1·5	·274	·284	83	89	SW 6	SW 6	8	9	·460	Dull and damp.
17	28·51	28·39	43·9	39·6	37·8	48·5	3·4	1·8	·216	·208	75	85	SW 4	SW 4	8	10	·320	Dull and damp.
18	27·88	27·50	38·8	42·4	34·0	43·7	1·3	3·9	·211	·195	90	73	SW 8	SW 8	10	8	1·510	Dull and damp.
19	·42	·67	36·5	35·7	33·8	44·4	1·8	2·0	·183	·173	84	83	SW 8	SW 4	10	4	·500	✳ and ✳ ● (sleet). ⁄
20	·83	·90	31·7	29·5	29·0	40·7	2·5	0·6	·124	·147	69	90	W 1	SW 2	7	2	·120	✳
21	·95	·80	30·4	35·9	29·5	38·2	1·5	1·2	·133	·190	78	90	SW 2	SW 0·5	5	4	·200	✳ showers.
22	·60	·75	30·9	32·1	26·3	37·2	1·0	0·4	·148	·174	85	95	N 2	W 1	10	1	—	✳ showers.
23	27·55	27·99	18·7	17·2	14·0	33·8	0·7	0·5	·078	·079	78	84	W 0·5	NW 0·5	10	2	—	Fair and clear. Frosty.
24	28·17	28·18	33·7	35·7	17·2	39·8	1·0	1·3	·173	·186	89	88	SW 0·5	SW 1	4	10	·310	
25	27·62	27·52	43·3	39·6	34·4	46·8	1·8	1·1	·242	·221	86	91	SW 4	SW 6	9	8	·530	
26	27·79	28·01	38·0	34·2	32·8	42·0	1·4	3·8	·201	·128	88	65	SW 6	SW 4	8	3	·200	●⁰ showers.
27	28·18	·60	35·5	34·2	32·8	39·7	0·8	3·5	·193	·133	93	67	NW 2	NW 0·5	8	4	·020	●⁰ showers.
28	·67	·79	29·7	31·7	28·2	37·0	0·7	1·0	·146	·156	88	87	NW 0·5	NW 0·5	8	2	·070	Fair and clear.
29	·94	·83	32·9	38·6	29·3	39·0	1·2	2·0	·162	·196	86	84	SW 0·5	SW 0·5	7	7	·060	Dull day.
30	·87	·85	41·4	47·3	37·2	48·0	1·2	2·3	·235	·271	91	84	SW 2	SW 2	10	8	·120	Dull and mild. ●
31	28·90	28·96	47·5	38·4	37·0	50·8	2·0	2·3	·281	·188	86	82	SW 0·5	SW 0·5	4	0	—	Very fine day.
Mean	28·321	28·334	37·9	37·7	32·9	43·9	1·9	1·9	·194	·194	83·5	83·9	3·0	3·0	7·4	5·7	8·120	

LAUDALE.—JANUARY 1890.

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	30·11	30·08	45·4	43·3	42·8	47·2	2·4	3·3	·249	·212	83	76	SW 2	N 2	10	3	—	
2	29·89	29·70	46·8	44·7	41·2	47·3	3·6	3·9	·239	·214	75	72	W 1	E 4	10	2	·030	Dull day. Strong squalls at night.
3	·49	·38	40·8	41·7	40·1	45·8	2·2	1·3	·210	·237	83	90	SE 3	S 1	10	10	·570	∞². ● most of day.
4	29·40	·29	38·9	41·3	37·9	42·7	0·6	2·8	·225	·204	95	79	Calm 0	E 3	10	4	·590	● showers *a*. Very squally at night.
5	28·97	·20	49·8	45·7	37·4	59·7	4·1	3·7	·262	·227	73	74	SSW 3	WSW 3	10	9	·200	⁄², ⁄ (gale) *n*. Strong squalls. Much
6	29·70	·72	47·0	52·0	44·2	53·6	3·6	2·0	·241	·335	75	86	SE 3	SW 1	10	10	·740	*n*. < *a*. ●² *ip*.—4*p*. [< *p*.
7	·67	·88	45·3	47·7	35·6	57·8	0·1	4·0	·299	·241	99	73	W 2	NW 3	10	5	·090	● showers all day. T 4*p*. Ⓤ
8	·84	·42	48·5	44·3	42·8	50·0	3·2	1·4	·266	·260	78	89	S 4	Calm 0	9	10	·670	Squally *a*. ●² showers all day.
9	·78	29·37	46·0	46·9	41·6	50·9	4·0	2·2	·225	·269	73	85	WNW 4	W 6	7	10	·840	●² showers in evening.
10	·65	30·01	43·8	39·0	35·6	62·1	0·8	0·1	·267	·236	94	99	NW 2	Calm 0	8	10	·100	Mild and clear all day.
11	·84	29·74	47·3	51·5	39·0	52·7	1·4	2·5	·292	·316	90	83	W 2	W 2	10	10	·610	⁄² (gale) till 7.30*a*. ●² from noon.
12	·92	·84	46·0	46·0	41·6	51·3	4·0	2·9	·225	·246	73	80	NW 3	E 6	4	10	·590	Mild and clear all day. Strong squalls.
13	·60	·80	45·7	44·3	41·2	51·9	3·6	2·8	·229	·231	75	79	NW 7	NW 7	4	2	·300	●² *n*. ⁄ all day. ▲² ●² at night.
14	·65	·50	45·1	40·0	39·6	55·1	1·9	1·0	·256	·226	85	92	W 3	WNW 6	10	4	1·400	⁄²(gale) noon–6*p*., worst from 2*p*.–3*p*.
15	·80	·04	42·4	50·7	39·1	50·8	2·6	1·5	·217	·331	81	89	Calm 0	SSE 2	9	10	·280	Calm and mild till 3*p*., then ● ⁄
16	·62	·53	51·7	52·8	48·7	57·9	6·8	2·9	·228	·324	60	80	W 3	WSW 2	10	10	·480	[till 6*p*
17	·61	29·47	47·0	44·9	42·7	56·5	4·2	2·6	·229	·240	72	81	W 2	SW 3	7	10	·130	Mild during day. [●*p*.
18	29·15	28·62	44·0	46·7	36·8	47·5	2·4	3·7	·234	·236	81	75	W 8	SW 10	7	10	1·300	⁄² all day, worst 3*p*.—5*p*. < ✳
19	28·45	28·81	44·0	42·0	37·6	47·8	3·0	2·3	·224	·220	77	83	WNW 10	W 7	10	10	·500	⁄² ●² < *n*. ⁄ all day.
20	29·00	29·08	35·4	37·2	33·5	42·7	1·3	2·2	·182	·180	88	81	W 4	NW 3	10	10	·470	✳² ▲² showers all day.
21	29·08	28·89	37·8	41·0	33·0	41·5	2·3	4·0	·184	·180	81	70	SW 2	WNW 4	10	10	·120	▲ *a*. ● ✳ (sleet) showers all day. ⊼
22	28·80	28·89	35·0	36·8	32·9	41·9	0·8	1·6	·188	·188	92	87	Calm 0	Calm 0	10	10	·220	●² ✳² (sleet) ▲² showers all day.
23	28·84	29·10	36·0	38·0	30·1	46·7	3·0	0·6	·158	·216	74	95	Calm 0	W 1	1	10	·370	● ✳ *p*.
24	29·33	29·17	40·0	40·9	36·6	42·9	1·9	3·9	·209	·181	85	71	SSW 1	SW 3	10	10	1·220	●² from 8*p*.
25	28·73	28·73	50·6	47·0	36·6	51·0	4·1	2·9	·270	·264	73	80	W 5	W 11	10	10	·960	●² *n*. ⁄ all day, worse from 5*p*.
26	29·19	29·28	39·6	40·5	36·6	50·7	1·4	4·1	·215	·175	89	69	W 11	NW 4	10	8	·410	⁄² *n*. and till 2*p*. ●² ▲² showers.
27	·50	29·86	38·5	36·5	35·4	42·7	1·1	0·7	·211	·202	91	94	W 7	Calm 0	10	7	·280	⁄ ●² showers *a*.
28	29·91	30·10	32·4	34·0	31·4	39·3	0·4	1·2	·176	·172	96	87	Calm 0	Calm 0	3	10	·320	Clear and frosty all day.
29	30·25	·15	38·0	48·1	33·1	48·2	0·2	1·9	·224	·289	98	86	Calm 0	W 1	10	10	·420	Dull and damp all day.
30	·13	·17	50·0	51·0	46·6	57·4	1·9	0·8	·312	·353	87	94	W 5	W 3	10	10	·520	●² *a*. ⁄ ● all day.
31	30·20	30·21	50·3	44·0	41·6	52·8	1·3	1·1	·331	·263	91	91	WSW 3	Calm 0	10	1	·250	Mild all day. Sky red, and then very [blue in evening.
Mean	29·519	29·503	43·5	43·9	38·5	50·4	2·4	2·3	·235	·241	82·8	82·9	3·2	3·2	8·7	8·2	15·080	

DUNDEE.—JANUARY 1890.

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.						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	30·01	29·95	40·4	39·6	36·4	44·6	1·2	1·6	·226	·211	91	87	W 2	W 4	10	5	—	Dull day.
2	29·78	·66	40·4	32·9	32·4	44·1	1·7	0·4	·216	·179	87	96	SW 4	W 1	5	7	—	Fine day.
3	·44	·29	31·3	34·7	30·1	36·8	0·8	0·0	·157	·184	89	92	NE 1	NE 1	10	10	·130	
4	29·17	·26	35·8	34·6	33·6	37·8	0·3	0·0	·205	·201	98	100	NE 1	SE 1	10	10	·160	● *n.* ≋² (mist).
5	28·98	·16	44·8	44·4	32·2	47·4	1·7	2·2	·257	·244	87	84	SW 4	SW 8	0	10	·230	● ⁄ (gale) *n.* and 10.30*a.*—11 *a.*
6	29·69	·64	42·5	48·6	39·2	49·2	2·0	1·6	·230	·302	85	89	SW 4	SW 2	10	10	·160	● ⁄ *n.* ● showers from 4*p.*
7	·52	·79	51·4	45·2	44·3	**51·8**	1·7	2·3	·336	·249	89	83	SW 8	SW 8	10	5	·010	● *n.* ● showers during day. Gusty.
8	·83	·25	41·5	44·9	40·2	46·0	0·8	1·4	·245	·266	94	90	SW 1	SW 6	5	10	·090	● showers from 5*p.*
9	·58	·31	42·0	41·4	40·4	45·8	2·5	0·4	·216	·252	82	97	W 6	SE 4	5	10	·360	● from 4*p.*
10	·40	·89	43·1	36·9	35·3	44·8	1·5	0·8	·246	·203	88	93	NE 1	NE 1	10	5	·040	● till 7*a.* ● ⁰ showers during day.
11	·78	·59	39·3	47·9	36·4	47·9	0·1	1·1	·236	·306	99	93	SW 1	SW 1	10	10	·050	● showers during day.
12	·71	·76	41·6	40·4	39·5	49·0	1·6	1·7	·229	·316	88	87	W 6	W 6	5	5	·030	Fine day.
13	·48	·69	43·4	39·5	37·2	49·4	1·2	2·4	·255	·196	91	81	W 6	W 4	0	5	—	⁄ (gale) 10*a.*—5*p.*
14	·61	·18	41·3	43·5	38·5	50·6	1·6	2·0	·227	·240	88	84	W 4	W 12	10	10	·220	⁄ (gale) 10 *a.*—noon. ⁄² ● till 9*p.*
15	·71	·58	37·7	47·3	36·0	47·3	1·2	1·6	·203	·287	90	89	SW 1	W 2	10	10	—	Dull day. ⁄ (gale) ● at night.
16	·57	·55	48·9	49·3	46·3	51·0	1·8	2·7	·302	·286	88	81	SW 4	SW 8	5	10	—	Dull day. ⁄ from 7*p.*
17	29·54	29·45	46·8	42·4	42·0	50·2	1·7	2·2	·279	·225	88	83	SW 4	SW 4	10	10	·010	Dull day.
18	28·97	28·60	42·6	45·4	38·1	45·4	2·1	1·4	·229	·271	85	90	SW 12	SW 12	10	10	·180	⁄² (gale) during day. ● showers.
19	·45	·70	42·1	36·9	36·1	45·4	3·1	1·5	·206	·191	77	88	SW 12	SW 4	5	10	·190	⁄ (gale) till 3*p.* ●
20	28·88	·97	34·9	33·0	32·3	37·6	1·1	1·4	·181	·159	90	84	SW 2	W 2	10	10	·020	✳⁰ ●⁰ (sleet) showers.
21	29·03	·83	34·4	38·6	32·3	38·9	1·4	1·6	·171	·203	85	87	SW 1	SW 2	10	10	·240	● showers from 2*p.*
22	28·57	·77	33·6	32·9	31·9	39·0	0·8	0·6	·176	·176	91	93	NW 1	W 1	10	10	·010	✳⁰ ●⁰ (sleet) till 11*a.*
23	28·69	28·99	25·4	29·2	**24·2**	33·9	1·4	0·2	·092	·156	**68**	97	NW 1	NW 1	5	0	—	
24	29·23	29·21	35·6	36·6	28·8	38·7	2·0	1·1	·172	·196	82	91	W 1	SW 1	0	10	·270	Dull *p.* ● 9*p.*
25	28·72	28·59	47·5	43·0	36·1	48·6	2·0	1·8	·281	·238	86	86	SW 10	SW 12	10	10	·080	⁄² *n.* and during day. ●
26	28·88	29·06	42·0	36·6	36·0	45·2	2·5	2·1	·216	·178	82	83	W 12	W 6	0	0	—	⁄² till 1*p.*
27	29·26	·70	40·2	34·9	34·6	43·8	2·7	1·3	·196	·177	79	88	W 4	NW 1	10	10	—	Cloudy day.
28	29·72	·90	30·4	35·5	29·1	40·2	0·6	2·5	·154	·160	91	77	W 1	NW 1	10	5	—	Dull *a.*
29	30·06	·97	35·3	37·7	30·5	39·1	2·4	0·6	·160	·214	78	95	NW 1	W 1	5	10	—	Dull day.
30	·02	29·99	43·7	47·4	37·4	48·5	0·9	1·9	·265	·282	92	87	W 1	W 1	10	10	·040	● showers 9*a.*—1*p.*
31	30·01	30·05	47·6	40·6	40·6	51·5	1·2	0·3	·300	·247	92	97	SW 1	W 1	5	5	·010	Dull day.
Mean	29·396	29·397	40·2	40·1	35·7	44·8	1·5	1·4	·221	·222	87·1	88·8	3·8	3·8	7·3	8·1	2·530	

GLASGOW.—JANUARY 1890.

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	30·02	29·97	41·7	42·0	37·3	44·3	1·6	1·1	·230	·243	88	91	SW 1	SW 1	10	10	—	Ⓤ 7*p.*
2	29·80	·61	39·8	33·9	33·9	45·5	1·2	1·9	·220	·158	90	81	SW 2	NNE 1	7	0	—	Bright sunshine.
3	·39	·27	40·3	36·1	33·5	41·5	0·1	0·9	·143	·195	**57**	92	SE 1	ENE 1	10	10	·288	Overcast, with ●.
4	29·25	·21	39·5	38·9	36·0	41·1	0·3	2·0	·236	·197	98	85	N 1	SE 1	10	10	·310	Overcast, with ●.
5	28·94	·20	47·2	45·2	38·8	48·7	2·4	2·7	·269	·241	83	80	S 6	SW 5	10	10	·107	Squally ⁄ ≺ △⁰ ●⁰ ².
6	29·69	·63	42·9	50·6	38·8	51·0	2·4	1·6	·226	·327	82	89	SW 2	SSE 1	10	10	·440	Squally ⁄ ⋎ △⁰ ●⁰ ².
7	·55	·80	47·0	45·7	45·2	52·7	1·5	2·5	·297	·251	90	82	SW 2	SW 3	10	5	·005	Squally ⁄ ●.
8	·77	·40	45·0	42·8	42·8	50·6	2·4	2·0	·255	·233	83	85	SE 1	SSW 8	10	10	·307	Squally ⁄ ●.
9	·66	·27	41·7	44·6	41·0	46·0	1·6	0·4	·230	·285	88	97	SW 3	WSW 3	10	10	·300	Squally ⁄ ●.
10	·44	·88	45·3	39·1	37·1	47·8	1·5	0·0	·268	·220	89	93	W 3	SSW 1	10	9	·115	Squally ⁄ ●.
11	·74	·62	41·5	49·9	37·6	50·4	0·4	0·9	·253	·335	97	94	NE 1	SW 4	10	8	·268	Gloomy, with ●⁰.
12	·83	·75	41·7	42·7	40·9	50·3	2·7	2·7	·209	·218	80	80	WSW 2	WSW 3	5	0	·113	●² *a.*
13	·54	·73	43·5	41·7	41·1	50·0	3·4	2·4	·213	·214	75	82	WSW 4	SW 3	6	1	—	
14	·57	·34	44·4	41·6	39·1	51·0	1·9	1·9	·250	·223	86	86	SSW 2	W 5	10	10	·400	Squally ⁄ ●².
15	·72	·57	39·4	48·4	38·5	49·3	1·2	1·8	·217	·296	90	87	SSW 2	SSW 3	10	10	·005	
16	·55	·47	50·3	50·5	47·4	**52·9**	1·9	3·0	·316	·293	87	80	SSW 3	S 6	8	6	·030	Cloudy and squally.
17	·52	29·39	46·0	43·0	43·0	51·5	1·8	2·3	·268	·228	87	82	S 2	SSE 2	7	1	·090	Overcast day. ●⁰ △⁰.
18	29·01	28·59	40·4	46·2	37·8	49·2	1·3	3·8	·225	·230	90	74	SW 4	SW 6	10	8	·248	Cloudy and squally. ●² showers.
19	28·51	28·78	40·0	36·3	34·9	46·8	1·6	0·8	·214	·199	87	93	SW 6	W 3	10	10	·850	⁄ (very stormy) ●².
20	28·91	29·00	36·2	34·3	32·8	40·3	1·6	1·1	·182	·176	86	88	SW 2	SW 1	8	2	·260	●⁰ *a.* ✳⁰ showers *p.* ≺⁰ △⁰.
21	29·02	28·79	34·8	39·5	34·0	40·7	1·2	1·4	·179	·214	88	89	SSW 2	SSW 1	10	10	·450	✳ *a.* ⋆ Day overcast, with ●.
22	28·64	28·77	33·6	35·8	32·8	40·3	1·0	1·3	·172	·184	89	88	WNW 1	S 1	10	7	·005	✳. Cloudy day.
23	28·67	29·00	28·4	35·9	**28·1**	36·5	0·9	3·8	·189	·143	88	68	WNW 1	SW 1	5	7	·050	└┘. Bright day.
24	29·26	29·12	37·7	38·1	35·2	41·2	1·1	1·2	·204	·205	91	90	WSW 1	ESE 2	9	10	·275	Overcast day, with ●.
25	28·67	28·76	49·0	46·7	38·1	50·9	2·9	4·4	·277	·224	80	71	SW 3	WSW 3	10	10	·400	⁄ (very stormy) ●⁰.
26	29·11	29·15	40·7	36·9	36·8	46·7	3·3	1·3	·160	·194	75	89	WSW 5	W 1	10	4	·120	⁄ (severe storm) ●⁰.
27	·38	·72	38·2	36·3	36·2	41·7	1·6	1·2	·199	·191	87	90	W 3	SW 1	10	1	—	Dull day. Ⓤ Ⓤ *p.*
28	29·70	29·93	33·0	36·5	32·0	40·1	0·4	3·7	·179	·150	95	70	N 1	NNW 1	10	7	—	└┘. Bright sunshine.
29	30·09	30·01	37·9	40·9	31·6	41·0	1·8	0·5	·193	·245	85	96	W 1	WSW 2	10	10	·115	└┘. Overcast day, with ●.
30	·03	·02	44·0	48·1	40·6	48·5	0·7	0·3	·272	·329	94	98	WSW 1	WSW 3	10	10	·100	Overcast day. ●⁰.
31	30·04	30·07	48·9	46·2	46·2	50·8	1·1	0·5	·318	·302	92	97	WSW 2	SW 1	10	10	·010	Dull and cloudy.
Mean	29·419	29·413	41·3	41·8	37·7	46·4	1·8	1·8	·227	·230	86·2	86·0	2·3	2·5	9·2	7·3	5·661	

WOLFELEE.—JANUARY 1890.

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.						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	29·55	35·8	41·0	32·0	41·0	0·5	0·9	·201	·237	96	93	SW	SW	—	—	—	Fine and clear *a.* Dull *p.*
2	29·40	29·21	38·5	36·8	30·5	43·0	1·4	2·0	·205	·125	88	72	SW	SW	—	—	—	Fine and clear.
3	28·98	28·87	34·0	31·8	26·0	39·0	4·0	1·5	·122	·146	62	80	SE	W	—	—	·040	Fine, but cold *a.* Dull *p.*
4	·84	·84	37·5	37·4	29·0	42·0	0·8	0·6	·209	·212	93	95	SW	SW	—	—	·750	Dull *a.*
5	28·63	28·34	44·0	44·0	35·0	45·0	0·9	1·9	·267	·246	93	85	SW	SW	—	—	·250	Blowy, with ● *a.* and *p.*
6	29·31	29·23	41·0	49·5	37·0	49·5	1·9	0·9	·217	·331	85	93	SW	SW	—	—	1·110	Stormy in past *n.* Fine *a.* Blowy.
7	·20	·42	50·0	46·5	38·0	**52·0**	0·9	1·4	·337	·283	94	90	SW	SW	—	—	·310	Stormy *a.* and at night. [with ● *p.*
8	·38	29·64	40·0	42·0	38·0	51·0	0·9	1·9	·228	·227	93	86	SE	SW	—	—	·260	Very fine *a.* Blowy, with ● *p.*
9	29·25	28·85	40·8	42·0	35·0	49·5	2·2	0·4	·210	·258	83	97	NW	W	—	—	·380	Stormy *n.* Blowy *a.* and *p.*
10	28·96	29·42	43·5	38·0	38·0	48·0	1·9	0·8	·242	·212	85	93	WNW	NW	—	—	·040	Stormy *n.* Blowy, with ● *a.* Fine *p.*
11	29·35	·21	40·5	43·0	33·0	45·5	0·4	0·4	·243	·268	97	97	SW	SW	—	—	·060	Dull, with ● showers *a.* Fine, but
12	·34	·39	41·0	38·5	38·0	50·0	2·4	0·9	·208	·215	81	92	NW	NW	—	—	·360	Stormy *n.* Fine *a.* [blowy *p.*
13	·20	29·31	45·5	37·4	35·5	48·8	2·9	1·6	·241	·192	79	86	W	SW	—	—	·010	Stormy *n.* Blowy *a.* Fine and clear *p.*
14	·20	28·86	43·0	46·0	34·5	46·0	1·9	1·9	·236	·267	85	87	W	W	—	—	1·220	Dull and blowy *a.* Stormy *p.*
15	·29	29·22	35·8	45·5	33·0	48·0	1·0	1·9	·193	·261	92	86	SW	SW	—	—	·090	Fine *a.* Blowy, with ● *n.*
16	·17	·13	48·5	46·5	43·4	49·0	1·4	1·9	·306	·272	90	86	SW	SW	—	—	·190	Dull and blowy *a.* Fine and clear *p.*
17	29·13	29·00	45·0	44·0	42·4	50·0	1·2	0·4	·271	·279	91	97	SW	SW	—	—	·310	Dull and blowy, with ● *a.*
18	28·66	28·30	40·0	46·5	36·0	46·6	0·9	1·9	·228	·272	93	86	W	W	—	—	·480	Stormy all day. ●
19	·25	·40	40·0	36·9	35·0	47·0	2·4	2·1	·200	·180	81	83	SW	SW	—	—	·080	⁄² (violent gale) *n.* Very blowy *a.*
20	·52	·61	34·3	32·8	32·8	41·4	1·0	2·0	·178	·145	89	78	SW	SW	—	—	—	Clear and blowy *a.* Snow on hills.
21	·62	·41	33·3	34·8	28·5	37·0	1·0	0·0	·170	·202	89	100	SW	SW	—	—	·760	Cold and blowy *a.* ● *p.* [clear *p.*
22	·02	·37	34·3	32·3	30·5	37·5	0·5	1·0	·188	·161	95	88	NW	NW	—	—	—	Dull, with ✳ ● (sleet) *a.* Fine and
23	·17	·57	30·3	30·8	26·0	36·8	0·0	1·0	·169	·147	100	86	NE	NE	—	—	·100	Dull *a.* ✳ most of day. Fine and clear
24	·83	·80	35·3	36·9	**24·0**	36·9	1·5	1·1	·178	·198	86	91	SW	SW	—	—	·740	Clear and blowy *a.* ● *p.* [*p.*
25	·42	·41	47·0	44·0	34·0	49·8	1·4	2·4	·289	·236	90	81	SW	SW	—	—	·150	● *a.* ⁄² (violent gale).
26	·72	28·70	38·5	35·3	35·3	44·0	2·7	1·5	·182	·178	78	86	W	W	—	—	·060	Stormy *a.* Clear *p.*
27	28·90	29·25	36·9	33·8	32·0	40·5	1·6	1·0	·189	·174	87	89	NW	W	—	—	—	Blowy *a.* Fine and clear.
28	29·21	·39	29·3	34·3	26·5	42·0	0·0	1·5	·162	·168	100	85	SW	NE	—	—	—	Fine day.
29	·59	·60	32·8	35·3	**24·0**	37·0	1·0	0·5	·166	·197	88	96	N	W	—	—	·070	Fine and clear *a.* ● *p.*
30	·57	·56	43·0	42·5	33·0	45·0	1·4	1·4	·247	·241	89	89	SW	SW	—	—	·170	Dull and mild *a.*
31	29·60	29·62	48·0	43·5	39·0	49·0	1·4	0·9	·299	·262	90	93	SW	SW	—	—	—	Fine and mild.
Mean	29·009	29·011	39·6	39·5	33·4	44·8	1·4	1·3	·219	·219	88·5	88·6	—	—	—	—	7·990	

SCARBOROUGH.—JANUARY 1890.

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	30·12	30·12	36·4	38·9	32·3	38·9	0·2	0·3	·211	·231	98	98	SW 2	SW 2	10	8	·010	Dull, with raw ≋.
2	29·99	29·77	32·5	24·9	24·8	39·0	0·0	0·0	·184	·134	100	100	SW 2	SW 3	1	10	—	Brilliant. Cold ≋ later.
3	·57	·42	26·5	30·6	**22·3**	32·4	0·1	0·0	·153	·171	98	100	SW 2	SW 1	10	10	·010	Dull, with very cold ≋ └┘².
4	·41	·44	35·6	41·5	30·3	41·8	0·0	0·6	·208	·248	100	95	SW 3	SW 4	10	2	·060	Dull, with raw ≋. ● showers.
5	·32	·47	45·1	45·7	41·5	49·0	0·6	0·7	·286	·290	95	95	S 5	SW 6	10	0	·090	Stormy, with ◐ *a.*, then brilliant.
6	·92	29·85	40·7	53·4	40·3	53·5	1·4	1·2	·225	·374	88	91	SW 2	SW 4	7	7	—	Squally *n.* Fine and very mild.
7	·91	30·01	50·9	49·2	48·8	**54·2**	1·9	1·0	·324	·324	87	93	SW 7	SW 6	3	5	—	Fine day.
8	·98	29·71	46·7	46·0	44·3	49·5	0·4	2·7	·308	·249	97	81	SW 4	SW 7	8	9	—	Fine day.
9	·87	·44	30·9	47·6	38·8	47·6	2·1	1·0	·204	·305	83	93	SW 4	SW 5	3	10	·260	Fine day. ● 5*p.*—8*p.*
10	·49	·97	43·5	47·4	41·8	51·9	2·2	1·6	·235	·288	82	89	SW 4	SW 1	4	3	·030	Fine day.
11	·93	29·76	41·5	48·6	38·3	49·0	0·6	0·8	·248	·322	95	95	SW 3	SW 4	9	0	·120	Damp *a.* Brilliant later.
12	·85	30·03	44·9	38·0	38·3	50·7	3·6	0·7	·221	·223	74	95	SW 5	SW 2	0	0	—	Brilliant day.
13	·71	29·88	43·1	40·5	37·3	45·0	0·4	1·4	·269	·223	97	89	SW 2	SW 2	10	0	—	Dull *a.*, then brilliant.
14	·96	·46	37·7	49·4	35·8	49·4	0·4	3·0	·218	·279	96	80	SW 2	SW 9	7	0	·020	Brilliant day.
15	·85	·80	37·2	47·6	36·3	50·2	0·4	0·9	·214	·307	96	94	SW 3	SW 3	4	10	—	
16	·80	·81	44·7	49·5	42·3	49·5	0·5	1·4	·284	·318	96	90	SW 2	SW 1	4	10	—	
17	·78	·67	45·7	43·7	42·3	50·2	1·2	0·9	·278	·264	92	92	SW 4	E 1	9	10	·030	
18	29·31	29·01	42·2	46·0	40·8	46·2	0·9	0·9	·249	·289	92	94	SW 3	SW 9	5	10	—	Fine, then stormy.
19	28·95	28·99	41·7	37·9	35·8	48·2	2·4	2·5	·214	·181	82	79	SW 4	SW 6	4	0	·100	● showers *a.*, then brilliant.
20	29·07	29·14	34·6	33·6	32·8	38·5	0·5	0·7	·190	·178	95	92	SW 4	SW 2	1	0	·080	Brilliant day.
21	29·25	28·99	33·6	39·2	31·3	39·2	0·2	0·1	·188	·238	97	99	SW 3	SW 8	4	10	·190	✳ showers.
22	28·65	28·91	39·5	34·1	34·1	41·8	0·7	0·6	·228	·184	94	94	SW 5	W 1	10	0	·240	Stormy, with ●, then fine.
23	28·55	29·09	36·6	35·4	32·3	39·0	0·2	0·6	·213	·195	99	95	E 4	NE 2	10	0	·210	Stormy, with ●. Bright *n.*
24	29·40	·43	36·3	40·2	32·3	40·2	0·3	0·5	·208	·238	97	96	SW 1	SW 2	3	10	·070	Bright and frosty. ● *n.* [noon,
25	·03	·09	51·5	46·3	39·5	52·2	0·9	3·3	·357	·240	93	77	SW 7	SW 5	8	2	·080	Stormy and mild *a.* Very fine after-
26	·27	·18	49·5	46·7	37·8	47·2	3·8	1·0	·189	·295	**71**	93	W 6	SW 4	7	10	·020	Fine day. ⁄ (gale). ◑ in evening.
27	·39	·75	39·4	38·0	36·3	46·7	3·1	1·6	·182	·197	76	86	W 4	W 8	0	0	—	Brilliant day. ⁄ (gale). Ⓤ 9*p.*
28	29·66	29·76	34·8	38·4	34·3	39·9	0·4	1·1	·193	·210	96	91	S 1	N 3	10	7	·210	Dull, with ● *a.* Bright *p.*
29	30·03	30·15	34·9	37·2	32·8	40·4	1·5	2·0	·174	·184	85	83	W 2	W 2	0	0	·090	Very fine. Parhelion 2*p.*
30	·07	·05	43·7	44·7	35·0	47·4	1·4	0·1	·253	·294	88	99	SW 4	SW 2	9	8	·120	Fine, very mild and spring-like.
31	30·11	30·13	45·9	48·8	44·3	51·7	0·2	0·6	·305	·329	99	96	SW 1	SW 1	7	10	—	Fine, very mild and spring-like.
Mean	29·586	29·589	40·3	42·3	36·6	45·8	1·0	1·1	·232	·252	91·5	91·7	3·4	3·7	6·0	5·2	2·040	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JANUARY 1890.

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.						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	30·13	30·11	37·9	45·5	35·2	47·0	0·6	2·4	·215	·251	95	83	Calm 0	SW 3	7	9	·002	Dull day.
2	29·94	29·67	44·0	41·8	35·6	47·2	1·5	1·8	·355	·227	88	86	S 1	ESE 3	6	0	—	Fine day. ⌓p.
3	·45	·33	39·9	41·0	38·3	43·4	1·6	0·8	·314	·239	87	94	SE 3	SE 4	10	10	·506	Overcast. ● at night.
4	·34	·29	42·5	45·0	38·6	46·0	0·5	2·4	·261	·245	96	82	WNW 2	S 6–7	10	10	·162	Overcast, with ● a. Dull . Squally
5	·14	·38	50·0	48·0	39·9	51·0	2·0	3·0	·309	·263	86	79	SSW 6	SW 5	9	6	·027	● a. Dull, with squally 𝒻. [𝒻 n.
6	·80	·74	47·8	51·2	43·8	51·2	1·3	0·4	·300	·366	91	98	SSE 4	SW 7–8	8	10	·210	● a. Dull day. Squally 𝒻 n.
7	·78	·95	51·0	48·6	47·6	52·8	0·7	1·6	·356	·302	95	89	SW 7–8	SW 6	10	6	—	Dull, with squally 𝒻.
8	·83	·69	50·0	43·6	42·6	51·7	1·7	3·9	·317	·204	88	72	SSE 5	WSW 7–8	9	6	·026	Dull, with squally 𝒻. ● showers 4p.
9	·83	·52	47·2	49·8	40·9	52·9	2·2	3·0	·273	·284	85	80	SW 4	WNW 6	10	10	·518	Squally 𝒻 a. and p. ●2 p.
10	·68	·98	45·3	42·6	42·0	49·9	4·5	1·8	·209	·234	70	86	WNW 8–9	W 1	6	9	·255	Dull and stormy, with squally 𝒻2.
11	·86	·78	50·2	51·0	41·5	51·0	0·2	0·2	·358	·369	99	99	WSW 3	WSW 3	10	10	·227	● a. and p.
12	·98	·94	43·5	47·0	41·8	51·0	1·9	1·4	·242	·289	85	90	WNW 3	S 4–5	2	10	·018	Fine day. [showers 4p.
13	·75	·90	46·8	44·0	41·0	50·0	2·8	2·2	·255	·240	80	83	W 5	W 3	6	3	·016	Squally, with ● a. Fine day. ●
14	·71	·49	47·9	50·0	41·8	50·0	0·9	1·0	·310	·334	94	93	SSW 6	WSW 7–8	10	10	·142	Overcast, with squally 𝒻2 ●2 showers
15	·83	·74	36·0	48·9	33·0	50·0	0·6	0·5	·201	·333	95	97	N 1	SW 5–6	8	10	·196	⌊⌊ a. ● from 11a. Squally 𝒻 ● p.
16	·70	·65	50·3	50·0	47·4	50·3	0·4	1·4	·354	·324	97	90	SSW 5	S 7–8	10	10	·087	● a. 𝒻 a. and p. Squally.
17	·65	29·46	48·7	47·0	42·3	50·0	0·6	1·8	·329	·280	96	87	S 3	S 7–8	10	10	·093	Overcast and squally. ● p.
18	29·28	28·91	42·4	43·0	41·4	50·0	3·4	2·8	·203	·219	75	79	W 5	WSW 8–10	2	6	·204	●2 showers from 3p. ≺ △
19	28·89	29·03	43·3	40·0	38·4	47·0	4·5	3·0	·191	·189	68	76	WSW 7–8	WSW 6–7	3	4	—	Squally 𝒻 a. and p. Stormy. △ 5p.
20	29·10	29·17	39·0	37·4	36·3	40·0	2·5	2·2	·190	·182	81	82	WSW 5–6	W 3	7	1	—	Squally 𝒻 a. Dull day. △0 1p.
21	29·18	28·87	41·5	42·0	35·8	43·7	3·3	1·1	·197	·243	76	91	SW 3–4	Calm 0	7	10	·668	Overcast. ●2 4·30 p.
22	28·79	28·87	37·2	35·0	34·8	42·8	1·2	1·2	·198	·180	89	88	WNW 6–7	WNW 2	7	6	·440	Squally 𝒻 ●2 a. Fine day. [squally.
23	28·58	29·13	36·0	42·0	33·2	42·0	0·8	1·7	·197	·231	93	87	NNE 5–6	W 4–5	7	8	—	Squally 𝒻 ✳ ● a. Cloudy and
24	29·39	·21	42·1	43·6	39·1	45·2	1·4	0·0	·238	·284	89	100	WSW 4	SE 4	7	10	·483	Overcast. ●2 from 4p. ≋0 (mist)
25	28·95	·09	48·6	46·0	42·7	50·5	1·6	3·2	·302	·240	89	78	SW 6–7	WSW 7	6	4	—	Squally 𝒻 a. and p. Cloudy. [9 p.
26	29·45	·32	41·0	39·8	38·6	48·8	4·0	1·1	·180	·222	70	92	W 7–8	W 1	7	10	·338	Squally 𝒻 a. Dull day. ● p.
27	·65	·83	40·9	39·0	37·3	43·0	2·9	2·0	·198	·199	78	84	WNW 6–7	Calm 0	1	10	·070	Squally 𝒻 a. Fine day.
28	29·67	29·93	38·0	35·0	34·4	41·3	0·4	2·0	·220	·164	96	80	NNE 1	N 3	6	0	·001	Dull a. Fine afternoon.
29	30·18	30·21	41·8	41·0	33·3	43·6	2·0	0·5	·223	·246	85	96	NW 2	W 2	6	10	·055	Dull day. ●4p.
30	·17	·15	45·0	49·4	40·2	49·4	1·8	0·9	·257	·330	86	94	W 4	WNW 4–5	10	10	·016	Overcast. ●0 n.
31	30·20	30·19	48·9	48·9	46·7	51·5	1·1	0·9	·318	·323	93	94	WNW 2	W 2	8	10	·010	Dull a. Fine afternoon.
Mean	29·576	29·565	44·0	44·4	39·5	47·8	1·8	1·7	·254	·259	86·9	87·4		4·3		4·4	7·3	7·7	4·770	

STONYHURST.—JANUARY 1890.

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	29·92	29·92	37·0	40·4	35·5	40·9	0·8	1·0	·204	·230	93	92	Calm 0	WSW 1	10	10	·010	Overcast, with ●0.
2	·75	·51	33·1	27·1	26·1	40·4	1·2	1·8	·164	·096	87	65	Calm 0	NEbyN 1	0	0	—	⌊⌊ ∞ a. ≋0 (mist) p.
3	·29	·17	23·1	31·2	21·0	31·2	1·3	0·7	·080	·158	65	90	NEbyN 1	NE 1	9	10	·215	⌊⌊ a. Overcast and gloomy. ● p.
4	·17	·18	37·7	40·8	30·3	43·9	0·7	1·5	·212	·223	94	88	SSW 1	SbyW 2	10	10	·145	Overcast, with ●.
5	·04	·26	47·3	46·4	40·0	50·5	2·0	3·2	·278	·244	86	78	SSW 6	SWbyS 3	6	3	·025	∞ a.
6	·69	·63	41·6	52·5	40·0	52·9	1·6	1·3	·229	·359	88	90	SSW 1	SSW 4	10	10	·300	Overcast. ● p.
7	·66	·80	51·9	47·3	46·8	53·1	2·9	2·0	·311	·278	81	86	SbyW 6	SWbyS 1	10	10	·160	Squally a. Overcast. ● p.
8	·71	·52	47·0	43·3	42·3	50·8	1·4	3·6	·289	·207	90	74	S by E 3	WSW 4	8	10	·025	Overcast. Squally p.
9	·67	·25	40·7	50·3	39·0	50·3	2·7	0·9	·200	·342	79	94	SW 2	SWbyW 4	10	10	·440	Overcast. Squally, with ● p.
10	·41	·75	43·2	43·2	41·2	50·4	3·2	0·9	·213	·260	77	92	WbyS 5	W byN 1	10	10	·165	Overcast. Squally, with ● p.
11	·70	·61	41·1	48·9	39·4	49·0	0·7	0·2	·243	·341	94	99	SSW 1	WSW 1	10	10	·620	Overcast, with ●0.
12	·74	·79	42·9	49·9	37·9	49·4	1·9	2·7	·235	·202	85	80	W 3	SWbyW 1	0	1	·360	Fine, clear, and sunny.
13	·51	·69	46·9	38·3	37·2	47·9	0·8	0·5	·301	·221	95	96	WbyS 3	Calm 0	10	0	·006	Overcast, with ● a. Fine and sunny p.
14	·62	·33	38·4	48·2	35·1	49·9	1·1	2·5	·210	·276	91	83	SSW 1	SWbyW 1	9	10	·025	⌊⌊ a. Overcast. Squally p.
15	·64	·60	35·9	47·2	34·2	49·4	1·0	2·1	·194	·275	92	86	Calm 0	SWbyW 1	7	10	·070	⌊⌊. Overcast and gloomy.
16	·57	·53	47·3	47·7	45·4	52·8	1·3	2·7	·294	·267	91	81	SSW 2	SSW 3	10	5	·012	
17	·49	29·36	46·9	42·4	42·0	48·6	1·8	1·7	·278	·235	88	87	S 5	S 2	10	2	·278	Overcast, with ●0.
18	29·10	28·74	41·2	48·5	39·9	48·8	2·0	1·2	·217	·311	85	91	SWb.W 3	SW 5	7	10	·248	Overcast, with ● p.
19	28·77	·85	43·0	39·4	38·5	48·9	5·0	3·2	·181	·181	65	75	WSW 6	WSW 3	9	8	·015	△ a. Cloudy and squally p. [evening.
20	28·91	·96	38·0	35·1	34·4	41·0	2·7	1·4	·178	·177	77	86	SWb.W 2	SW 2	9	10	·472	T △ 9a. Squally p. [showers p.
21	29·06	·74	35·9	38·4	32·1	39·4	1·8	1·3	·178	·206	84	89	SWb.W 2	SSW 5	10	10	·574	✳ early a. Squally p. ⊼ in
22	28·50	·69	35·1	34·7	33·3	42·9	1·1	2·0	·183	·162	89	80	W 6	SW 1	10	4	·129	Squally, with ✳ ● (sleet) a. △
23	28·24	28·93	34·[illegible]	[illegible]	32·9	38·1	1·3	1·4	·171	·175	86	87	NEbyE 2	W 1	10	10	·190	✳ a. Overcast and gloomy p.
24	29·19	29·11	37·0	41·2	34·0	43·0	1·0	1·2	·200	·233	91	91	WSW 1	S by E 1	9	10	·120	Dull and overcast. ●0 p.
25	28·83	28·93	48·0	44·0	40·2	52·8	1·9	4·0	·287	·215	87	71	WSW 5	SWb.W 6	10	10	·027	Sunny a. Overcast and squally p.
26	29·23	29·05	40·1	40·1	38·7	47·0	4·1	1·1	·171	·225	68	91	WbyS 6	WNW 2	7	10	·625	Squally and overcast. ● p.
27	·37	·58	39·4	37·9	35·3	42·4	3·3	2·2	·179	·187	75	82	W 4	WSW 1	0	10	·147	Sunny a. and p. Squally p. ⊔ 9p.
28	·43	·62	33·1	34·3	32·6	38·4	0·8	2·2	·172	·156	91	78	Calm 0	NEbyN 1	10	0	·032	✳ △ a. Overcast. ● p.
29	·89	·96	33·1	38·9	28·2	41·6	1·8	1·0	·152	·218	80	93	Calm 0	WbyS 2	0	10	·303	Sunny a. Overcast p.
30	·94	·91	42·2	44·9	37·4	45·1	1·2	0·5	·243	·285	90	96	SWb.W 1	WSW 1	10	10	·132	Overcast. ●0 a. and p.
31	29·96	29·93	45·1	45·3	43·9	47·8	0·2	0·3	·296	·295	98	98	WbyS 1	W 2	10	10	·040	●0 a. and p. Dull and overcast.
Mean	29·386	29·383	40·2	41·8	36·6	46·1	1·8	1·7	·218	·234	85·2	86·1		2·5		2·2	8·1	7·8	5·910	

HILLINGTON.—JANUARY 1890.

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.						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	30·28	30·26	27·0	25·6	24·8	34·5	0·4	0·0	·134	·139	91	100	SW 1	SW 0·5	7	0	·009	⌊⌊2 a. Much cirrus. [(mist) 7p.
2	30·11	29·87	30·1	29·4	23·0	30·8	0·2	0·6	·162	·146	97	90	S 0·5	SE 1	10	10	·003	⌊⌊ a. Overcast, damp, and cold. ≋9
3	29·65	·56	27·6	32·1	23·8	32·9	0·1	0·1	·148	·179	98	99	SSE 0·5	S 1	10	10	·318	⌊⌊ a. Overcast, damp, and cold.
4	·58	·65	38·5	45·1	32·1	45·1	0·0	0·5	·233	·288	100	96	S 1	SW 5	10	0	·040	●2 early a. 𝒻 n. at night.
5	29·57	29·73	45·0	49·0	38·3	50·4	0·8	2·3	·280	·290	94	84	S 5	S 5	10	0	·016	
6	30·10	30·11	45·6	53·9	44·4	54·3	0·7	2·1	·289	·357	95	87	SSW 2	SW 6	9	10	·027	Overcast and mild all day. ● 1p. Cir. p.
7	·17	30·22	49·9	49·0	48·9	54·5	2·1	1·2	·306	·317	87	92	SSW 5	SW 2	6	10	—	Much cir. Beautiful day. ⊍
8	·17	29·95	48·6	47·2	45·2	49·8	0·7	1·5	·324	·288	95	90	SW 2	SW 5	10	10	—	Overcast all day.
9	30·11	29·67	38·2	49·8	36·6	49·8	1·5	0·5	·200	·345	88	96	SW 4	SW 6	5	10	·230	Overcast all day. ●2 3p.—5p.
10	29·80	30·04	44·0	43·0	42·1	51·7	2·0	1·2	·243	·251	84	90	SW 6	SW 2	6	7	—	Fine day.
11	30·11	29·98	39·5	47·5	35·1	47·6	0·6	0·8	·230	·308	95	94	SW 1	SW 1	10	10	·018	Cloudy all day.
12	30·02	30·16	45·1	34·0	32·6	49·0	2·2	0·3	·251	·189	83	97	NW 2	W 1	0	0	—	Very fine and sunny.
13	29·95	30·09	47·5	38·0	32·3	50·6	1·6	0·8	·289	·213	88	93	SW 3	W 1	10	0	—	Cloudy all day.
14	30·09	29·82	32·1	48·1	29·9	49·6	0·3	2·4	·174	·278	96	83	SW 2	SW 6	10	10	—	Overcast all day.
15	29·99	30·01	44·2	48·0	43·6	49·4	0·6	1·3	·276	·303	96	91	SW 1	SW 1	10	10	—	Overcast all day.
16	30·04	30·04	45·0	46·2	43·4	51·0	0·5	0·6	·287	·298	96	96	SW 2	SW 3	7	10	—	Cloudy, with ● showers.
17	29·98	29·85	45·5	40·2	40·0	47·6	1·6	0·5	·268	·238	88	96	SW 3	SSW 2	10	10	·087	Overcast all day. ● n. [(gale) n.
18	·52	·35	42·0	46·5	40·2	46·5	1·4	0·8	·237	·297	89	94	SW 3	SW 7	5	10	·001	Fine and sunny. Cloudy from 2p. 𝒻
19	·25	·27	44·0	38·3	37·4	50·5	3·2	1·6	·221	·199	76	87	SW 6	SW 7	6	5	·010	Fine and sunny, but with 𝒻.
20	·31	·33	33·5	33·8	32·4	42·4	0·8	1·0	·175	·174	91	89	SW 2	SW 3	0	0	·001	⌊⌊ a. Very fine and sunny.
21	29·45	·25	33·6	42·8	29·6	43·2	0·8	2·0	·176	·232	91	85	SW 3	S 7	4	10	·077	⌊⌊ a. ✳0 7a. Wild night.
22	28·81	·12	37·4	32·9	32·5	43·3	0·7	1·1	·209	·164	94	87	WSW 7	SW 2	10	0	·158	●2 7·30a.
23	28·57	·19	41·0	37·1	32·6	47·2	0·4	0·4	·248	·213	97	96	SW 4	NW 3	9	10	·200	●2 showers.
24	29·58	·59	33·8	41·0	32·0	41·4	0·5	0·3	·184	·250	94	98	SW 1	SW 2	5	10	·103	⌊⌊ a. Much cir.
25	·35	·39	53·3	46·7	40·7	55·4	2·5	2·1	·339	·270	83	85	SW 7	SW 7	10	0	·030	𝒻 a. ●2 2p.
26	·60	·42	40·0	47·5	38·1	47·5	4·2	1·0	·169	·304	68	93	SW 8	SW 9	10	10	·206	●2 ●2.
27	·63	·90	38·4	35·2	35·2	50·0	1·7	1·5	·198	·175	87	86	WNW 5	W 1	1	0	·610	●2 early a. Very fine and sunny.
28	29·72	29·78	32·8	35·9	32·1	36·1	0·2	0·3	·182	·204	98	97	E 2	NE 3	10	10	·225	✳2 6a.—11a. (2 ins. deep 9a). ●2 p.
29	30·11	30·31	34·9	32·1	31·3	40·3	1·1	0·0	·181	·182	90	100	N 3	N 1	8	4	·178	Fine and sunny.
30	·18	·17	39·0	43·5	31·9	44·1	1·1	0·3	·216	·275	91	98	NW 2	SW 1	10	10	·187	●2 early a. Overcast all day. ≋ 9p.
31	30·26	30·24	44·2	46·6	42·2	47·3	0·5	0·0	·278	·318	97	100	SW 1	S 0·5	10	10	·023	≋ or ≋0 (mist) all day.
Mean	29·775	29·784	40·0	41·5	35·6	46·3	1·1	0·9	·229	·248	90·9	92·5		3·0		3·3	7·7	6·6	2·757	

CHURCHSTOKE.—JANUARY 1890.

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	29·75	29·66	38·8	27·9	26·5	44·9	1·5	1·0	·205	·121	88	80	SSE 1	NE 1	9	0	—	Dull and mild.
2	·55	29·26	24·7	20·9	20·3	41·6	0·8	1·0	·105	·078	79	71	E 1	NE 3	0	2	—	⌊⌊
3	29·09	28·97	25·9	32·9	18·3	33·0	0·0	1·0	·140	·166	100	89	ENE 3	SE 2	10	10	·060	⌊⌊. Bitter wind. ≋0 (mist).
4	28·98	28·97	40·8	41·2	32·0	45·3	0·1	2·5	·253	·208	99	81	SSE 2	SSW 4	10	10	·380	Dense mist on hills.
5	28·92	29·20	47·7	48·4	40·2	50·1	1·8	3·7	·288	·253	87	75	SW 2	SW 4	8	6	·059	● showers. ⊼ 7p. ⌒
6	29·48	·54	45·8	52·7	43·4	53·3	2·1	1·7	·260	·352	85	88	E 1	SW 4	9	10	·060	Cloudy, with ●.
7	·55	·64	50·4	48·9	47·0	53·1	0·6	2·0	·351	·296	96	87	SSW 6	SSW 2	10	8	·020	● 𝒻 (gale).
8	·52	·48	47·4	41·3	38·0	51·1	1·5	3·0	·290	·199	89	77	SE 3	WSW 2	8	5	·029	
9	·54	·20	40·2	52·4	36·0	53·1	1·3	1·4	·222	·356	90	90	SSE 1	SW 8	10	10	·110	● showers. 𝒻 p.
10	·40	·61	48·9	46·8	39·0	53·1	8·0	2·3	·183	·256	54	84	WNW 3	WSW 2	9	9	—	Squally.
11	·53	·46	49·9	51·9	39·0	54·1	1·3	1·9	·325	·336	91	87	SW 1	SW 2	6	8	—	Fine and warm.
12	·64	·64	43·8	37·9	36·0	52·6	2·9	1·0	·224	·208	77	92	W 1	SE 2	5	0	—	Fine and bright.
13	·47	·57	51·9	38·2	34·2	52·1	1·7	1·3	·342	·204	88	89	WNW 2	W 1	8	0	·020	Dull, with ● showers.
14	·46	·31	42·0	48·9	37·0	51·0	1·1	3·0	·243	·273	91	80	SE 4	SSW 5	10	5	·042	Stormy 𝒻 ●.
15	·47	·47	44·8	47·9	42·9	53·1	0·7	2·0	·280	·285	95	86	E 1	SSW 1	9	10	·010	
16	·42	·37	50·5	49·0	46·0	52·3	1·1	4·0	·335	·263	92	73	SSW 3	SW 2	10	10	·020	Dull, with ●0.
17	29·31	29·15	46·2	42·8	40·0	50·6	1·1	1·9	·287	·234	93	85	SE 3	SE 2	10	2	·550	Squally, with ●2.
18	28·99	28·72	39·2	49·9	37·8	51·3	2·4	0·9	·193	·335	81	94	W 4	W 6	8	5	·170	Very rough during night.
19	·75	·76	38·8	38·8	37·0	50·6	2·7	2·1	·184	·195	79	83	NW 2	W 2	8	4	·036	△2.
20	·80	·85	35·7	36·4	33·0	42·1	2·0	3·0	·171	·159	83	75	SW 2	W 2	8	5	·070	✳.
21	·93	·51	35·9	43·8	33·0	44·1	2·0	2·9	·173	·224	84	77	SE 3	SW 5	9	9	1·380	●2 ✳2. [Camlad Valley.
22	28·43	·07	35·3	35·7	32·2	44·7	1·3	1·8	·182	·174	89	85	WNW 3	E 1	8	10	·460	Very rough n. ✳ ●. Floods in
23	27·99	·83	36·9	33·1	32·0	40·5	0·4	0·8	·211	·172	97	91	WNW 2	W 1	10	2	·020	< early a. ✳ 𝒻.
24	29·07	·92	41·4	50·7	32·2	51·1	2·1	1·5	·218	·350	84	89	SW 2	SW 2	9	10	·200	Warm, with ● showers.
25	28·77	28·98	48·7	40·8	40·8	52·6	1·0	1·9	·318	·215	93	85	SW 4	SW 3	10	10	·116	Very rough 𝒻 ●.
26	29·18	29·02	47·8	50·4	37·1	50·5	1·9	1·4	·225	·329	86	90	W 4	SW 8	8	10	·900	Squally 𝒻2 (terrific gale) ●.
27	·27	·45	36·9	34·3	32·0	51·1	1·0	1·4	·199	·170	92	86	W 2	SW 2	6	0	·470	Fine day. ≋0 (mist) 9p.
28	·17	·87	32·3	35·7	31·4	35·8	0·4	1·0	·174	·173	96	89	E 2	N 1	10	4	—	✳2 (5 ins. deep). Dense mist on hills.
29	·74	·84	37·9	35·1	26·4	42·7	2·0	1·2	·189	·181	83	88	NW 2	WSW 1	8	10	—	⌊⌊. Bright day.
30	·81	·77	42·3	45·9	34·4	46·2	2·0	1·0	·218	·285	84	94	W 2	W 2	10	10	—	Dull, with cold wind.
31	29·79	29·78	47·7	45·3	42·0	54·1	1·8	0·0	·288	·296	87	100	WNW 2	W 1	8	10	—	Very warm and spring-like.
Mean	29·250	29·252	41·6	42·1	35·4	48·4	1·6	1·8	·235	·236	87·5	85·2		2·4		2·7	8·4	6·6	5·202	

CARMARTHEN.—JANUARY 1890.

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	30·13	30·10	42·1	29·3	28·5	46·0	2·4	0·4	·218	·151	82	93	SW 1	E 1	8	0	—	Fine day.
2	29·92	29·61	27·4	33·6	20·3	43·3	0·5	2·3	·133	·148	90	77	E 1	Calm 0	0	4	—	⌐² ≋. Fine day. ⊔ 9p.
3	·42	·29	35·9	41·9	31·5	41·9	0·7	1·4	·197	·236	94	90	E 2	SE 1	10	10	·400	Dull day. ● p.
4	·33	·33	45·8	43·9	40·2	46·5	0·3	1·4	·302	·255	98	89	S 1	S 5	10	10	·350	Frequent ● showers.
5	·33	·59	49·7	48·6	43·4	51·9	1·3	1·2	·323	·312	91	92	SW 3	SW 4	9	6	·060	Squally before 9a. Stormy n.
6	·84	29·90	48·8	50·7	45·3	51·8	0·4	0·3	·335	·362	97	98	SE 1	SW 6	10	10	·270	Stormy night.
7	·95	30·01	49·7	49·0	48·8	52·1	0·3	0·0	·349	·348	98	100	SW 6	S 2	10	10	·120	Stormy in past n. Overcast, with ● all
8	·86	29·89	49·9	49·5	39·0	51·4	0·5	2·0	·346	·312	97	84	S 3	Calm 0	10	0	·040	Overcast, with ● a. [day.
9	·92	29·66	45·4	52·2	37·2	52·8	1·2	0·8	·275	·369	92	95	S 4	SW 5	10	10	·320	Overcast, with ● p.
10	·91	30·01	47·1	38·6	36·6	52·8	3·3	2·0	·248	·196	77	84	W 1	Calm 0	0	9	·060	Fine day.
11	29·95	29·87	49·1	48·8	37·3	52·0	0·0	0·1	·349	·343	100	99	SW 1	SW 1	10	10	·100	Dull day.
12	30·06	30·03	49·0	43·7	40·8	53·7	3·5	1·0	·264	·262	76	92	NW 1	W 1	0	0	·240	Dull day.
13	29·85	29·94	49·2	38·6	38·3	52·0	0·3	0·4	·342	·226	98	97	W 3	Calm 0	10	0	·070	Overcast, with ● a. Fine p.
14	·86	·76	47·6	47·8	35·7	49·4	0·2	0·4	·325	·323	99	97	S 4	SW 5	10	10	·230	Overcast, with ● 0 all day.
15	·88	·82	48·8	47·6	46·8	49·9	0·2	0·3	·340	·323	98	99	SW 1	SW 2	10	10	·110	Overcast, with frequent ● 0.
16	·80	·69	49·7	49·7	46·4	50·4	0·3	2·3	·349	·299	98	85	SW 4	SW 6	10	5	·390	Dull all day.
17	·68	·48	47·0	45·8	43·8	50·4	0·4	1·8	·312	·267	97	87	S 1	S 6	10	4	·600	Stormy n. Frequent ● showers.
18	·44	·16	39·9	50·0	35·4	51·4	2·1	2·9	·204	·289	83	81	SW	SW 7	5	9	·520	⌿ ● ²n. Fine a. Squally ⌿ from 4p.
19	·19	·16	45·2	41·4	37·0	50·9	3·7	3·3	·222	·195	74	76	SW 4	SW 4	5	10	·180	Squally n. T 1p. ▲ ²(¼ in. diameter).
20	·24	29·24	36·9	33·9	32·3	46·2	1·6	0·9	·188	·177	87	90	W 1	Calm 0	1	0	·070	▲ 2p. < 6p.
21	29·34	28·97	42·4	40·3	32·0	47·0	2·3	2·2	·222	·263	83	85	SW 4	SW 6	10	10	·480	● ² a. Squally, with ● showers p.
22	28·92	28·76	41·3	37·0	34·1	55·6	3·9	4·0	·184	·200	72	91	W 1	SW 5	0	10	·550	Squally n. Frequent ▲ ● showers.
23	28·40	29·21	43·7	35·5	34·4	44·7	1·2	0·7	·258	·193	90	94	W 2	Calm 0	10	1	·120	● a. Squally at night.
24	29·47	·32	38·9	49·7	33·2	50·6	0·4	0·0	·229	·357	97	100	NE 1	SW 4	10	10	·520	Dull, with frequent ● showers.
25	·16	·39	48·4	43·9	42·2	51·2	0·4	3·0	·330	·224	97	77	SW 3	SW 4	10	9	·110	Squally n. ⌿ ● showers.
26	·66	·41	44·9	50·7	31·1	51·4	1·9	1·3	·255	·335	86	91	SW 4	SW 8	10	10	·490	Squally from 11a.
27	·25	·83	40·7	37·9	36·8	51·4	2·2	1·5	·209	·198	83	88	NW 1	Calm 0	8	10	·560	Dull day.
28	29·46	29·77	38·1	38·9	32·5	39·4	0·2	2·2	·225	·194	98	84	E 1	N 4	10	5	·010	Overcast, with ● a.
29	30·16	30·27	42·7	41·4	33·0	49·0	3·7	2·7	·200	·206	73	80	Calm 0	NW 1	0	10	—	Fine day.
30	·24	·18	45·0	48·6	39·5	49·8	3·8	1·4	·218	·307	73	90	W 1	W 1	10	10	—	
31	30·21	30·17	48·8	47·5	46·4	51·8	1·6	0·8	·305	·308	88	94	NW 1	W 1	8	10	·030	Dull day.
Mean	29·656	29·638	44·5	43·6	37·4	49·6	1·4	1·4	·266	·261	89·2	89·6		2·0		2·9	7·5	7·2	7·000	

MARGATE.—JANUARY 1890.

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	30·31	30·25	35·0	35·4	31·8	37·0	1·1	0·5	·182	·196	89	96	Calm 0	E 3	10	10	—	
2	30·10	29·85	34·5	35·6	33·2	37·8	0·5	0·6	·189	·196	95	95	E 3	E 1	10	1	—	
3	29·68	·55	30·8	40·4	28·5	41·0	0·2	0·9	·168	·231	97	93	Calm 0	S 2	10	10	·040	≋ a. Dull day.
4	·65	·75	44·5	42·5	37·8	46·1	0·9	0·9	·272	·252	93	93	S 3	SW 4	10	0	—	
5	29·74	29·90	46·0	49·6	42·0	50·8	0·9	0·8	·289	·335	94	95	S 4	SSW 5	10	4	·120	Stormy ⌿ ●. ⊍
6	30·14	30·28	50·3	52·8	48·0	52·8	0·3	0·9	·357	·374	98	93	W 3	SW 5	10	10	—	Stormy. ⊍ ⊍
7	·33	·31	48·6	48·0	45·9	53·2	2·4	1·1	·284	·307	83	92	S 3	SW 3	7	5	—	Fine and sunny. ⊍
8	·24	30·10	46·0	48·3	43·4	48·0	0·0	0·6	·311	·288	100	96	S 2	S 2	10	1	—	≋ a. Dull day.
9	30·24	29·86	39·3	48·0	37·0	48·4	1·3	0·4	·214	·325	90	97	S 1	SW 5	3	10	·010	Fine a. ● in evening.
10	29·89	30·06	46·0	44·2	44·0	48·2	3·2	3·0	·239	·226	78	77	W 4	W 4	10	10	—	
11	30·14	·03	40·3	47·8	39·0	47·8	1·1	0·4	·227	·323	92	97	Calm 0	W 2	10	10	·020	Very dull.
12	·04	·24	49·1	39·0	38·1	50·8	1·6	1·8	·308	·202	89	86	W 2	Calm 0	0	0	—	Fine and sunny.
13	·06	30·05	46·8	49·1	37·0	50·8	1·5	1·3	·284	·316	89	91	SW 4	SW 3	0	7	—	Dull day.
14	·14	29·95	38·5	48·2	36·0	49·1	0·5	2·2	·223	·284	96	85	SW 2	S 4	10	10	—	≋⁰ a.
15	·05	30·10	47·3	47·1	45·1	49·8	1·3	1·3	·295	·293	91	91	S 2	S 2	8	10	·030	Dull and mild.
16	·09	30·12	47·8	45·0	44·7	51·8	2·6	0·9	·270	·278	81	93	SSW 2	S 2	8	0	—	Fine day.
17	30·05	29·93	42·7	40·9	39·0	45·8	0·9	0·9	·254	·237	92	93	S 2	S 3	1	10	·090	Sunny.
18	29·64	·54	43·9	45·0	37·0	48·0	1·9	2·8	·244	·238	85	79	SSW 4	SW 5	3	10	·120	Fine day. ⌿
19	·41	·44	49·2	41·9	41·1	50·6	2·9	2·7	·278	·210	80	81	SW 4	S 3	4	0	—	Sunny.
20	·39	·44	37·8	35·8	34·0	44·6	1·7	1·0	·194	·190	86	92	S 2	S 3	6	0	—	Fine day.
21	29·55	·41	35·2	44·0	33·0	44·9	1·1	3·0	·184	·225	89	77	W 3	S 5	2	8	·060	⌊⁰ a.
22	28·91	·20	38·0	37·7	35·8	45·0	4·0	1·7	·157	·193	68	85	S 2	S 3	9	10	·310	Bright and sunny. Stormy at night.
23	28·68	·25	47·4	41·4	37·0	50·1	1·4	2·4	·294	·212	90	82	SW 3	NW 4	10	2	·030	⌿ (gale).
24	29·06	·07	37·0	44·0	34·0	46·8	1·0	0·3	·200	·281	91	98	W 3	SW 3	10	10	·080	● at night.
25	·55	·53	52·3	50·3	43·3	52·9	2·1	2·0	·336	·313	85	86	SSW 5	SW 6	10	2	—	⌿ a. and p.
26	·80	·65	41·6	48·0	40·1	50·8	3·5	2·2	·194	·281	75	85	WSW 4	SW 6	2	10	·030	⌿² (gale).
27	·62	·97	43·8	40·0	39·2	48·0	1·8	2·8	·246	·193	86	78	W 3	S 2	10	1	·110	⊍ · ⌿ (gale) at night.
28	29·68	29·67	44·2	41·3	38·0	48·8	0·2	1·3	·286	·231	98	90	S 3	W 3	10	10	·350	● all day.
29	30·07	30·32	39·1	39·0	38·0	41·8	1·3	2·2	·213	·195	89	83	N 2	N 2	2	0	·070	Sunny.
30	·25	·21	40·0	42·4	33·0	44·0	1·0	0·4	·226	·262	92	97	NNW 2	N 1	10	10	·130	● nearly all day.
31	30·25	30·28	44·0	44·0	41·2	45·8	0·0	0·9	·288	·267	100	93	Calm 0	N 1	10	10	·020	≋ all day.
Mean	29·850	29·869	42·8	43·7	38·6	47·5	1·4	1·4	·249	·257	89·1	89·3		2·5		3·1	7·3	6·2	1·620	

SOUTHAMPTON.—JANUARY 1890.

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	30·26	30·5	28·7	28·3	39·5	0·4	0·0	·100	·158	94	100	NE 0·5	NE 1	0	0	—	⌊⁰ a. Beautiful day. ⌊² n.
2	30·09	29·84	28·5	28·0	26·8	36·1	0·0	0·0	·157	·153	100	100	N 0·5	NE 0·5	10	1	—	⌊² a. and p. Beautiful day.
3	29·64	·52	33·3	39·0	27·3	39·8	0·3	0·2	·184	·234	97	98	E 0·5	SE 1	10	10	·090	⌊ a. ●⁰ 1p. ● 9p.
4	·62	·68	45·2	46·7	38·6	48·8	0·3	1·5	·295	·284	98	89	S 1	S 3	10	5	·434	● 9a. Beautiful day. ⊔ n.
5	29·65	29·88	48·9	50·9	46·1	51·7	0·7	0·9	·329	·349	95	94	SW 5	SW 3	10	10	·224	⌿ ●² a. ● most of day.
6	30·14	30·25	50·7	52·2	49·3	53·0	0·4	0·5	·360	·377	97	97	S 1	SW 5	10	10	·168	● most of day.
7	·28	·30	48·5	50·0	47·6	53·2	1·4	0·3	·366	·353	90	98	SSW 2	SW 3	4	10	·040	Beautiful day, till 17p.
8	·21	30·12	48·8	45·3	45·2	51·6	0·6	0·6	·331	·289	95	96	SSE 2	SW 1·5	10	0	·109	Dull and damp a. ⊔ 9p.
9	·21	29·90	42·1	51·2	37·8	51·7	0·8	0·2	·251	·371	93	99	SE 0·5	SW 4	8	10	·366	Fine a. ● from 2p.
10	·02	30·16	44·7	40·4	40·0	52·8	1·9	1·4	·253	·222	85	89	W 1	NW 0·5	1	1	·007	Beautiful day. ⊔ n.
11	·16	·07	41·4	49·0	38·5	51·4	0·5	0·4	·251	·338	96	97	Calm 0	SW 1	10	10	·005	≋ a. and p. Dull and damp.
12	·14	·27	47·8	38·8	38·8	56·0	0·8	0·8	·312	·220	94	94	WNW 1	ENE 1	0	0	—	≋⁰ a. and p. Beautiful day. ⌊ n.
13	·09	·14	48·8	45·9	37·2	52·2	0·2	0·3	·341	·302	98	98	SW 3	SSW 1	10	0	·036	●⁰ most of day. ≋⁰ n.
14	·14	·03	42·8	48·5	36·3	50·3	0·2	0·6	·270	·326	99	95	SE 1	SW 3	10	10	·050	≋² a. Dull and gloomy with ●⁰.
15	·08	·09	47·8	47·8	46·6	50·9	0·6	0·4	·317	·323	95	97	SW 2	SW 2	4	10	·038	≋⁰ before 9a. Beautiful a. ●⁰.
16	·06	30·04	48·0	48·8	46·7	51·8	0·6	1·6	·319	·305	96	88	SSW 2	S 2	3	10	—	Beautiful day throughout. [showers p.
17	30·01	29·86	45·5	45·9	43·0	50·7	1·6	0·7	·268	·292	88	95	S 2	SSE 2	10	10	·150	
18	29·68	·53	42·7	49·2	41·0	50·3	2·3	0·5	·226	·337	83	97	WSW 3	SW 6	0	10	·310	Beautiful day till 6p. Stormy ⌿ ●⁰.
19	·45	·45	47·6	43·4	42·0	51·8	2·7	2·0	·267	·238	81	84	WSW 3	SW 1	4	0	·073	< 10p. ⌊p.
20	·47	·44	38·3	38·6	36·0	45·2	1·5	1·4	·201	·207	87	89	WSW 1	NW 1	0	10	—	Beautiful day.
21	·62	·37	36·4	46·6	34·2	47·2	1·1	2·8	·195	·254	91	81	SW 0·5	SW 4·5	1	10	·374	Beautiful a. ▲ ²3p. Then ● ²till 4p.
22	29·09	·14	39·7	42·2	37·4	47·6	2·0	2·1	·205	·225	84	85	WNW 2	W 4	0	10	·415	Squally, with ● ² ▲ ²early a. ▲ ² 9p.
23	28·64	·40	48·0	39·0	38·8	50·7	1·1	1·2	·307	·214	92	90	WSW 3·5	WNW 1	9	0	·047	● ² early a. Fine, but with ⌿.
24	29·70	·61	38·9	49·6	34·2	50·5	0·7	0·3	·223	·348	95	98	SW 0·5	SW 2·5	10	10	·095	⌊⁰ a. ● from 1p.
25	·53	·59	51·8	48·1	48·1	52·8	1·2	1·4	·354	·301	91	90	SW 6	SW 3	10	0	·095	⌿ ● till 2.30p. Fine p. [in evening.
26	·89	29·73	43·5	50·5	38·4	51·6	2·5	2·2	·229	·312	80	85	SW 5	W 7	5	10	·073	Fine, but with ⌿ ·. ● 7p. ⌿ ●⁰.
27	·81	30·01	47·9	42·9	42·8	52·4	0·9	1·8	·310	·237	94	86	WNW 2	SW 1	10	10	·400	● ⌿ ² (force 8) in past n.
28	29·65	29·74	49·3	37·8	36·7	54·9	0·4	0·4	·341	·218	97	97	SW 3·5	NNE 2	10	10	·323	● till 11a. ● ² 2p.
29	30·20	30·41	35·0	36·1	33·3	44·7	1·7	1·1	·170	·192	83	90	NW 2	NW 1	0	0	·018	Beautiful day throughout. ⌊ 9p.
30	·37	·29	38·7	45·1	35·2	48·1	0·8	1·3	·220	·270	94	90	W 0·5	NW 1	4	10	·003	Fine day.
31	30·31	30·30	47·1	48·5	44·8	51·2	0·9	1·1	·302	·313	93	92	NW 1	NW 0·5	10	10	—	Fine p.
Mean	29·880	29·884	43·5	44·3	39·3	49·7	1·0	1·0	·266	·276	92·1	92·8		1·9		2·3	6·2	6·7	3·943	

BABBACOMBE.—JANUARY 1890.

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	30·03	29·99	38·7	34·2	33·4	43·0	2·3	1·0	·191	·176	82	89	E 2	NNE 2	8	0	—	⌐² ⌊ ≋⁰ (mist) p. [noon.
2	29·81	·53	34·8	39·2	28·3	39·7	0·5	0·3	·192	·233	95	97	E 2	ENE 3	10	10	—	≋ a. Gloomy a. ≋² (mist) from
3	·34	·24	41·3	45·3	38·4	45·3	1·2	0·4	·234	·293	91	97	E 2	SSE 2	10	10	·040	Dull and gloomy, with ≋⁰ (mist).
4	·31	·37	48·0	44·8	42·3	49·8	1·1	1·9	·307	·254	92	86	SW 4	SSW 4	9	6	·500	● n. and p. ⌿ (gale) late p. ⊍ ⁰
5	·32	·60	50·8	50·7	44·4	53·2	0·5	1·7	·358	·325	96	88	SW 5	WSW 6	10	9	·160	Squally ⌿² (gale) ●² n. ⊔ 4p.
6	·80	·95	51·7	51·8	49·4	53·2	0·1	0·4	·381	·374	99	97	SSW 5	SW 6	10	10	·110	Scotch ≋⁰ 9a. Dull day. ⌿ (gale).
7	·97	·98	50·9	50·8	49·7	52·8	1·6	0·2	·330	·366	89	98	SW 5	SSW 3	9	10	·050	Dull day. ●showers p. ⊔ p.
8	·86	·89	50·0	43·0	43·0	51·0	1·1	1·3	·331	·248	92	96	S 5	WSW 2	9	0	·290	⊔ n. and p. Squally ⌿ (gale). ●²
9	·91	·67	47·3	51·9	38·4	52·3	1·2	0·1	·296	·384	92	99	SW 3	WSW 4	10	10	·390	Squally ⌿ (gale) 1p. ●² 4p. Scotch
10	·85	·94	46·9	44·1	44·0	54·1	2·0	1·3	·274	·260	86	89	W 2	S 1	2	5	—	⊔ n. and p. [≋⁰ 6p.
11	·90	·84	49·4	49·8	43·4	54·3	0·4	0·3	·343	·351	97	98	WSW 3	WSW 3	9	10	—	≋ till 8a. Dull and gloomy p. ⊔² n.
12	·98	·99	50·0	43·8	42·0	57·2	2·1	1·1	·307	·261	85	92	NNW 2	WSW 3	4	1	—	Fine day. Parhelion 4p. ⊔² p.
13	·83	·90	49·0	43·7	43·1	51·2	0·6	0·8	·344	·267	96	93	SW 4	WSW 1	10	1	·040	Dull and gloomy. ⌓² p. [7p.
14	·85	·76	49·2	48·0	43·0	49·7	0·0	0·1	·351	·333	100	99	SW 3	SW 6	10	10	·060	Scotch ≋ till 10a. Squally ⌿ (gale)
15	·85	·82	47·1	47·8	46·1	50·7	0·1	0·6	·322	·317	99	95	WSW 3	SW 3	10	7	·030	Dull, with ●⁰ (mist) a. and p.
16	·78	·73	50·5	48·8	47·0	51·6	0·7	1·8	·349	·301	95	87	SW 4	SSW 5	10	10	—	Dull a. and p.
17	·67	·55	47·0	47·7	46·2	49·0	0·6	1·2	·307	·302	96	92	S 5	S 5	10	7	·400	< ⌓ p. Squally ⌿ (gale) 11p.
18	·46	·19	39·8	51·2	38·5	51·7	1·8	0·2	·209	·371	86	99	WSW 3	SW 8	3	10	·270	●² ▲⁰ 2a. Squally ⌿ early and late.
19	·22	·20	46·7	40·5	40·1	51·7	2·7	1·6	·257	·218	81	87	WSW 5	WSW 4	4	10	·220	⌿ (gale) early and late. ●² ▲⁰ < p.
20	·23	·23	36·1	36·3	35·0	44·7	0·5	0·5	·203	·204	95	96	WSW 3	WNW 1	8	3	·100	✳ a. and p. ⌓ ~ < ≋⁰ (mist)
21	29·37	29·01	40·6	46·7	35·1	46·7	2·7	1·9	·199	·274	79	87	WSW 3	SSW 8	9	10	·390	▲⁰ 1p. Dull, with ● showers. ⌿ p.
22	28·92	28·81	38·6	40·8	37·5	46·8	1·8	0·9	·199	·236	85	93	WSW 5	SSE 3	8	10	·670	⌿ (gale) a. ▲ 8a. ●² ✳⁰ noon
23	28·38	29·19	47·4	40·7	40·0	48·4	2·5	2·0	·268	·214	83	85	WSW 7	WSW 3	9	1	·030	●² ▲ < 6a.
24	29·44	·34	43·9	51·3	38·3	52·0	1·2	0·3	·260	·370	91	98	SW 3	SW 8	10	10	·230	[⊕ 3p.
25	·21	·36	51·6	46·5	46·2	52·8	0·6	2·7	·366	·254	96	82	SW 9	WSW 5	10	0	·400	Scotch ≋⁰ p. Squally ⌿ p.
26	·69	·48	45·0	49·4	40·0	50·7	3·1	1·4	·231	·317	77	90	WSW 5	WSW 9	3	10	·230	●² ▲ 1p. Squally ⌿² a. [⌓² p.
27	·62	·74	44·4	40·8	40·8	50·6	0·6	1·3	·278	·228	95	90	NW 2	E 1	9	10	·630	⊕⁰ 9a. and 1p. Parhelion 10a. Squally
28	29·39	29·53	49·5	37·3	36·8	51·4	0·5	1·0	·342	·203	96	92	WSW 3	NNE 5	8	10	·390	Squally ⌿ (gale) 1a. ≋⁰ (mist) p.
29	30·02	30·19	38·6	40·3	33·2	48·7	3·4	2·1	·172	·208	74	84	N 2	W 2	0	10	—	≋ 2a. ●² a. and p. [helia 4p.
30	·17	·08	42·7	46·9	40·1	47·5	2·0	1·0	·231	·297	85	93	WSW 1	NW 2	10	9	—	Fine a. Dull p. Intense prismatic par-
31	30·09	30·07	46·9	47·7	46·2	49·1	0·9	1·5	·299	·294	94	89	N 3	N 1	10	10	—	≋⁰ (mist) a.
Mean	29·622	29·618	45·7	45·2	40·9	50·0	1·3	1·1	·282	·282	90·3	92·0		3·6		3·8	8·1	7·4	5·630	Dull a. and p. ≋⁰ (mist) p.

LONDONDERRY.—JANUARY 1890.

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	30·14	30·05	36·4	41·2	34·5	44·3	0·8	1·5	·200	·227	93	89	SW 2	SW 2	10	3	—	Fine day.
2	29·85	29·60	40·2	39·7	37·6	44·4	2·5	2·1	·200	·203	81	83	SW 5	Calm 0	5	2	·010	Fine and clear. ● at night.
3	·42	·30	44·7	41·7	37·0	46·5	2·5	0·7	·240	·249	81	94	S 2	SW 1	10	10	·150	● from 2p.
4	29·36	·00	35·7	40·3	34·9	42·4	0·9	1·9	·192	·212	92	85	SE 1	S 6	1	10	·160	Fine till 6p., then / ●.
5	28·93	·27	45·2	43·9	39·1	50·0	3·7	2·0	·222	·243	74	84	SW 6	SW 3	3	0	·190	Stormy / ● showers.
6	29·68	·63	42·6	51·7	40·0	52·4	2·6	2·0	·219	·332	81	86	SW 4	SW 2	10	10	·360	● 0 < 0 in evening.
7	·71	·88	45·9	44·6	41·5	53·2	0·4	2·4	·300	·241	98	82	SW 4	SW 2	10	10	·090	● showers. 2p.—7p.
8	·64	·63	48·6	43·7	40·7	53·5	3·4	3·3	·262	·216	76	75	SW 3	WSW 6	10	10	·330	Stormy / ● showers.
9	·77	·51	43·7	48·5	39·8	50·6	3·5	3·2	·212	·366	74	78	SW 4	W 5	10	6	·460	Constant ● till 5p.
10	·83	·98	45·2	42·7	40·0	48·6	4·2	2·1	·213	·229	71	84	NW 2	SW 2	10	10	·090	
11	29·83	·73	51·7	51·0	41·8	53·7	1·0	1·6	·357	·333	93	89	SW 3	SW 2	10	10	·100	● at night.
12	30·01	·71	41·2	45·2	40·3	51·6	1·5	2·0	·227	·255	89	85	SW 3	SW 5	4	10	·070	● at night.
13	29·73	·86	42·5	40·2	38·3	51·3	2·5	2·0	·220	·209	82	84	SW 4	SW 2	2	0	·190	
14	·51	·65	46·2	39·7	38·5	52·0	1·5	1·9	·278	·205	90	84	SW 3	SW 2	10	0	·400	
15	·80	·61	36·5	50·2	35·0	50·7	1·3	3·0	·192	·289	89	80	SW 1	SW 2	10	10	·010	● showers all day.
16	·52	·44	52·7	50·7	48·5	51·5	2·3	2·5	·336	·307	84	83	SW 3	SW 4	10	5	·030	
17	·55	29·27	42·2	44·8	40·6	51·3	1·9	3·1	·229	·229	86	77	SW 2	SW 6	6	10	·170	Stormy. ● 7p.—8p.
18	29·17	28·66	38·7	45·5	37·0	49·6	2·1	4·6	·195	·229	83	69	SW 3	SW 5	3	9	·170	Squally / ● ●. [● (sleet) showers.
19	28·76	28·98	42·3	37·8	35·5	46·0	3·6	2·2	·199	·185	74	82	SW 7	SW 3	10	5	·300	< before 9a. Stormy, with ● and ✳
20	29·07	29·15	33·9	34·7	32·8	38·7	1·2	1·2	·171	·178	87	88	W 2	W 3	10	10	·270	✳ △ showers all day.
21	29·09	28·86	35·7	35·8	32·5	39·2	1·5	0·6	·182	·199	86	95	SW 2	SW 1	10	10	·120	● showers during day.
22	28·85	28·84	33·7	33·0	32·0	39·5	1·0	0·8	·174	·171	89	91	W 2	SW 2	10	0	—	△ a. Fine day.
23	28·80	29·13	32·7	36·7	29·4	40·2	1·0	1·0	·165	·198	89	92	NW 1	NW 2	2	2	·110	Fine till 5.30p., then ● showers.
24	29·34	·00	37·7	50·2	35·0	50·6	1·5	1·0	·197	·337	87	93	SW 3	SW 5	10	10	·300	
25	28·76	·03	47·7	43·7	40·8	52·4	2·5	3·1	·271	·219	82	77	SW 4	WSW 5	4	10	·110	Stormy / ●. ● in evening.
26	29·42	·41	39·7	36·8	34·2	44·1	4·1	1·1	·168	·197	69	91	SW 2	SW 3	10	5	·160	✳ and ✳ ● (sleet).
27	·73	29·90	37·7	35·7	34·4	44·0	2·5	1·9	·179	·174	79	82	SW 2	S 1	7	10	·020	
28	29·82	30·12	37·5	39·1	33·6	42·8	1·4	3·4	·197	·175	88	74	NE 2	NE 1	4	1	—	Fine day.
29	30·28	·24	34·5	43·7	32·0	44·4	1·6	1·4	·168	·254	84	88	SW 2	WSW 3	10	8	·160	● noon—6p.
30	·20	·21	44·9	49·5	41·8	49·8	0·4	1·0	·288	·329	97	94	SW 2	W 2	10	10	·020	● 0 nearly all day.
31	30·24	30·17	48·5	48·8	46·6	51·3	0·5	1·3	·320	·312	97	91	W 2	SW 2	10	9	—	
Mean	29·542	29·510	41·5	42·9	37·6	47·9	2·0	2·0	·225	·238	84·7	84·8		2·8		2·9	7·8	6·9	4·550	

ARMAGH.—JANUARY 1890.

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	30·05	29·95	38·8	43·8	34·4	45·2	1·8	1·2	·201	·259	85	91	SSW 1	SSW 3	8	10	—	a.
2	29·77	·50	38·6	39·6	35·1	44·5	1·1	1·0	·213	·223	92	92	S 4	SSE 4	2	4	·008	
3	·27	29·16	42·8	41·6	36·2	44·7	0·3	0·1	·268	·261	98	99	SSE 3	S 2	10	10	·045	
4	29·26	28·96	38·5	39·8	35·5	44·5	1·5	0·8	·203	·228	87	94	WSW 1	SSE 6	4	10	·310	
5	28·95	29·23	43·8	44·5	39·8	50·7	2·8	2·7	·226	·235	78	80	SSW 5	SSW 5	10	9	·630	/ (gale) n. and early a. Very stormy [day.
6	29·58	·55	45·0	53·2	40·0	53·5	2·0	1·6	·253	·360	85	89	SSE 4	S 4	10	10	·192	
7	·65	·80	47·6	43·9	43·0	54·4	1·8	1·9	·286	·245	88	85	SSW 4	SSW 2	10	3	—	
8	·56	·61	49·1	39·0	38·9	49·3	2·3	2·8	·293	·185	84	78	SSE 5	SW 5	10	3	·060	
9	·67	·44	43·2	47·8	37·3	52·5	1·3	2·1	·251	·281	90	85	S 3	WSW 3	10	10	·392	
10	·74	·88	43·0	41·1	39·2	48·5	2·2	1·3	·230	·230	83	89	W 3	SSW 1	10	10	·010	
11	·74	·65	51·6	50·7	39·3	53·5	1·4	1·8	·345	·325	92	88	SW 3	SW 3	10	7	·020	Very gloomy a.
12	·94	·64	43·6	45·0	39·7	54·0	1·8	1·4	·245	·266	86	89	SW 3	S 4	7	10	·092	< 6.30p.
13	·64	·78	42·8	39·6	38·9	51·6	2·7	1·0	·219	·223	80	92	SW 3	SSW 2	2	2	·085	
14	·44	·58	49·0	41·5	38·0	52·5	1·0	1·7	·322	·227	93	87	S 5	W 3	10	10	·225	/ (great gale) in afternoon.
15	·70	·57	39·0	48·9	33·2	52·5	0·5	1·4	·228	·312	96	91	SSW 1	S 3	8	10	—	└─ early a.
16	·47	·37	52·7	51·8	48·5	53·8	1·9	1·9	·347	·336	88	87	S 4	S 5	10	10	·080	
17	·47	29·16	45·0	45·8	40·2	53·0	1·5	2·0	·264	·264	89	86	S 3	SSE 6	8	10	·172	
18	29·13	28·67	38·7	43·0	35·0	50·2	1·8	3·0	·200	·215	86	78	SSW 4	S 7	3	10	·215	/ (great gale) in past n.
19	28·77	28·93	41·0	34·2	34·1	44·5	4·0	1·1	·180	·176	70	88	SSW 4	SW 3	3	2	·017	/ (great gale) in past n.
20	29·00	29·07	33·8	33·2	31·2	36·5	0·8	0·7	·178	·175	91	92	SW 4	SW 3	1	9	—	✳ 0 a.
21	29·02	28·74	35·6	36·9	31·7	40·5	1·0	1·0	·191	·200	91	92	SSW 4	Calm 0	10	10	·220	Overcast all day.
22	28·75	28·72	33·2	33·8	31·0	37·4	1·0	0·9	·169	·177	89	91	WSW 1	S 2	3	9	·050	✳ before 9a.
23	28·66	29·06	34·8	36·7	31·2	39·9	0·6	0·7	·190	·204	94	94	NNE 0·5	SW 2	5	0	—	
24	29·27	28·95	36·9	48·0	33·3	48·3	1·0	0·1	·200	·332	92	99	SSW 3	S 4	10	10	·170	
25	28·75	29·02	49·6	41·7	41·5	53·2	4·0	2·0	·262	·223	74	86	SW 7	SW 4	9	8	·175	Very stormy day.
26	29·35	·29	38·9	35·2	33·3	42·8	2·0	0·3	·198	·200	85	97	SW 4	W 1	9	10	·255	
27	·62	·77	38·5	35·6	34·1	42·5	2·7	1·4	·182	·183	78	87	WSW 2	SSW 1	3	10	—	└─ a.
28	29·65	29·96	35·0	32·4	31·3	42·4	0·2	0·7	·200	·170	98	92	Calm 0	N 1	10	0	—	└─ 9p.
29	30·18	30·15	33·0	40·7	28·6	41·1	0·9	0·9	·169	·235	90	92	WSW 1	SW 2	8	10	·072	└─ a.
30	·09	·10	44·5	48·7	39·9	49·7	0·8	0·8	·275	·324	94	94	SW 2	SW 2	10	10	·007	Overcast all day.
31	30·13	30·07	48·6	48·2	47·0	51·2	0·3	0·2	·335	·332	98	99	SW 2	SW 2	9	10	027	
Mean	29·460	29·430	41·8	42·1	36·8	47·7	1·6	1·3	·236	·245	87·9	89·8		3·0		3·1	7·5	7·9	2·929	

MARKREE CASTLE (SLIGO).—JANUARY 1890.

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.						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	30·11	29·99	51·0	41·4	28·2	41·8	0·6	0·4	·158	·252	90	97	Calm 0	SSE 1	10	10	—	└─
2	29·81	·52	39·1	36·2	35·6	42·9	1·7	0·5	·206	·204	86	95	SE 3	SSE 2	9	6	·020	
3	·28	29·26	42·1	40·6	35·2	45·3	0·5	0·4	·257	·244	96	97	SE 2	*SW* 0·5	10	10	·230	
4	29·32	28·84	31·0	41·9	29·0	45·0	0·2	1·9	·168	·226	96	86	Calm 0	SE 9?	2	10	·410	└─. / (gale) till midnight.
5	28·91	29·26	44·3	45·2	40·4	50·4	2·9	3·1	·229	·233	78	78	SSW 4	SSW 4	10	10	·110	< 5a. and 6p.
6	29·56	·54	43·1	52·0	38·3	52·0	1·7	1·5	·241	·348	86	90	SSE 4	S 2	10	10	·370	
7	·66	·84	45·5	42·4	41·9	52·2	1·2	1·1	·277	·248	91	91	SSW 3	SSW 3	9	10	·110	
8	·48	·68	46·7	41·1	38·3	48·6	1·2	3·8	·291	·184	92	72	SE 3	WSW 5	10	4	·320	Squally / ● 2 during day.
9	·68	·56	41·3	47·4	34·3	52·0	0·6	2·2	·247	·275	96	84	SSE 3	WSW 3	10	9	·500	● 2 during day.
10	·90	·91	41·2	43·2	39·1	47·4	1·9	0·4	·219	·271	85	96	SW 1	SSW 1	7	10	·060	
11	29·81	·71	51·3	49·6	42·6	54·2	1·0	1·2	·352	·324	93	92	SSW 1	SSE 1	10	10	·010	
12	30·00	·64	43·3	47·9	40·0	51·9	1·7	1·5	·244	·296	87	90	SSW 1	S 6	7	10	·040	
13	29·73	·82	42·2	49·1	36·7	51·3	2·9	1·1	·210	·225	79	91	SW 1	SW 2	9	7	·350	
14	·45	·66	49·2	41·0	38·9	56·8	0·6	0·6	·335	·244	96	95	SSW 6?	NW 1	10	9	·350	/ ● storms till evening.
15	·72	·55	36·6	50·0	33·1	50·0	0·3	1·8	·211	·314	98	87	ESE 1	SSW 5?	10	10	·060	Overcast all day.
16	·44	·37	52·4	48·5	47·3	54·2	1·7	2·4	·348	·282	89	83	SSW 5?	S 5?	10	10	·040	Overcast all day. / .
17	·47	29·04	42·3	45·1	39·2	48·5	2·8	1·8	·213	·259	80	86	S 4	SSE 6	8	10	·390	/ ending in a ● storm midnight.
18	29·16	28·70	38·1	45·3	35·3	50·8	2·0	4·9	·191	·202	83	66	S 2	WSW 8?	10	9	·250	Boisterous / ● storms in evening.
19	28·88	29·05	40·9	35·4	34·3	50·7	3·6	1·5	·186	·179	73	87	WSW 4	WSW 3?	9	10	·160	△ 9p. [<
20	29·09	29·15	32·4	33·1	30·8	37·0	0·4	0·5	·176	·178	96	94	S 1	*SW* 0·5	10	10	·170	✳ before 9a., and 9p.
21	29·00	28·78	35·2	35·5	29·0	39·4	0·7	0·5	·192	·198	93	95	S 3	SE 0·5	10	10	·140	✳ before 9a.
22	28·84	28·74	33·5	32·7	31·5	38·8	0·9	0·4	·174	·178	90	96	SW 1	SE 2	6	10	·010	
23	28·78	29·13	33·2	35·3	32·0	44·7	0·7	0·5	·175	·197	92	96	NW 0·5	WSW 1	6	10	·150	
24	29·33	28·93	36·1	51·3	32·4	51·6	0·6	0·5	·202	·365	95	97	SE 1	SSW 5?	10	10	·310	
25	28·78	29·12	48·5	42·7	39·4	52·6	4·4	3·2	·241	·209	71	77	SSW 5	WSW 5	9	10	·230	Changeable and boisterous. T 6p.
26	29·42	·41	38·9	36·5	32·3	42·7	2·1	0·3	·196	·210	84	97	WSW 1	SW 0·5	10	10	·350	✳ a.
27	·74	29·85	36·6	32·3	31·4	42·8	1·8	0·5	·183	·173	85	94	WSW 1	Calm 0	7	10	·020	
28	29·75	30·09	36·3	37·0	31·0	42·9	0·9	3·6	·198	·155	93	71	*NE* 0·5	NNW 1	10	1	—	
29	30·25	·24	29·9	43·0	24·3	44·1	0·6	1·7	·150	·240	90	86	S 0·5	Calm 0	10	10	·010	└─
30	·17	·19	45·4	49·4	41·1	50·4	0·7	1·0	·288	·327	96	93	WSW 2	WSW 3	10	10	—	Overcast all day.
31	30·20	30·12	49·4	48·2	47·5	54·2	0·8	0·3	·333	·330	94	98	SSW 1	SSW 1	10	10	—	Overcast all day.
Mean	29·507	29·474	40·5	42·3	35·8	48·0	1·4	1·5	·229	·244	88·8	88·9		2·1		2·8	9·0	9·2	5·070	

DUBLIN (PHŒNIX PARK).—JANUARY 1890.

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	30·12	30·09	32·3	42·1	31·6	45·5	0·4	2·2	·175	·222	96	83	Calm 0	SSW 1	7	1	·015	≈ a. and p. Dull and cloudy. ● 0 p.
2	29·91	29·60	29·9	30·9	29·5	42·9	1·2	1·0	·135	·148	81	85	Calm 0	Calm 0	1	5	·010	Beautiful day. ≈ p.
3	·34	·25	44·5	46·3	28·6	47·2	1·0	1·1	·271	·288	92	92	SSE 1	Calm 0	10	7	·015	Dull day. ● 0 p.
4	·38	·13	37·9	43·0	36·9	47·3	1·0	3·0	·209	·223	92	77	Calm 0	SSE 3	6	8	·180	Beautiful day. Squally / ● 2 n.
5	·11	·40	49·0	46·8	43·3	52·0	4·1	3·5	·253	·241	72	76	SSW 4	SW 4	4	1	·005	Squally / ● 0 a. and p. Bright a.
6	·71	·69	46·6	53·2	42·7	54·0	2·1	1·6	·269	·360	86	89	SE 1	SSW 3	10	6	·080	Dull day. [Cloudy p. < F.
7	·75	·94	50·0	46·8	45·0	55·2	2·2	3·3	·304	·246	85	78	SW 2	SW 2	10	1	—	Dull a. Cloudy p.
8	·68	·81	50·8	37·4	37·4	51·8	3·2	1·5	·292	·194	79	87	S 3	SW 3	6	1	·020	Cloudy, with squally / ● 0 showers.
9	·79	·62	46·3	49·8	37·3	54·0	3·0	1·4	·247	·322	79	90	SSW 1	WSW 2	10	10	·080	Dull, with ● 0.
10	·87	·99	42·1	40·9	38·3	50·0	3·2	1·2	·204	·231	76	91	W 2	Calm 0	1	10	·010	Beautiful day.
11	29·84	·83	52·4	53·6	40·9	54·6	1·0	0·8	·366	·389	93	95	SW 2	SW 1	8	8	·010	Dull and cloudy. ● 0 p.
12	30·03	·82	42·1	48·2	41·3	54·0	2·0	2·3	·226	·281	85	84	WSW 1	SSW 4	2	2	·050	● 0 a. Beautiful day. Squally / n.
13	29·78	·03	45·2	40·5	40·3	52·2	2·0	2·0	·255	·212	85	84	WSW 1	SW 1	4	1	—	Beautiful day.
14	·64	·69	51·8	44·3	39·4	53·0	2·4	0·8	·323	·273	84	94	SSW 4	W 2	7	10	·100	Dull, with squally / . ● 2 p.
15	·78	·73	38·0	50·4	32·7	53·2	0·3	2·2	·222	·310	97	85	Calm 0	SSW 2	4	10	—	≈ a. Cloudy day.
16	·67	·49	52·4	52·4	49·3	55·0	1·8	2·6	·346	·326	88	83	S 3	SSW 5	6	4	·010	Cloudy day. Squally / ● 0 p.
17	·60	29·30	46·1	47·4	39·9	52·6	2·6	3·5	·254	·247	82	76	SSW 2	SSE 4	7	10	·160	● 0 a. Cloudy day. Squally / ● 2 p.
18	·33	28·95	38·3	45·7	37·1	54·6	2·6	3·0	·182	·241	79	79	SW 2	SW 4	2	4	·190	Cloudy and squally. / ● 2 < p.
19	·01	29·12	41·3	35·4	33·9	46·5	4·1	1·1	·181	·186	70	90	SW 3	SW 2	4	4	·025	< till 4a. Cloudy day. < p.
20	·18	29·21	34·1	34·4	33·1	38·3	1·2	1·7	·173	·166	87	83	SW 2	SW 1	4	2	·040	✳ 0 a. Cloudy p. ✳ ● (sleet) 10p.
21	29·20	28·82	38·0	42·3	33·1	43·3	2·1	1·8	·188	·232	82	87	SW 3	S 1	10	10	·160	✳ ● (sleet) till 32. ● 2 a. and p.
22	28·87	28·85	34·1	38·0	32·7	43·2	1·2	2·5	·173	·182	87	79	WSW 2	Calm 0	1	10	·485	● 2 a. and p. Beautiful day.
23	28·66	29·20	36·9	37·1	33·9	41·9	0·8	1·0	·203	·201	93	91	NW 1	SW 1	8	1	—	Cloudy a. Bright p.
24	29·39	·14	40·3	52·8	36·6	53·6	2·3	1·4	·204	·361	82	90	SW 1	SW 3	10	7	·130	Dull day. ● 0 p.
25	28·95	·22	50·0	40·7	40·7	54·0	3·0	1·3	·286	·226	80	89	SW 4	SW 3	7	5	·100	● 0 a. and p. Cloudy and squally.
26	29·54	·42	40·9	38·8	35·7	49·0	2·4	1·1	·208	·215	82	91	SW 2	Calm 0	8	10	615	● 2 a. and p. Dull day.
27	·74	29·85	35·4	35·6	34·1	41·3	1·3	1·1	·182	·189	88	90	WSW 1	Calm 0	2	8	·180	Bright a. Dull and cloudy. p.
28	29·66	30·02	34·4	33·5	32·9	41·3	0·5	1·0	·189	·171	95	89	NW 1	Calm 0	8	1	·005	✳ 0 ● 0 till 7a. Cloudy day.
29	30·24	·27	32·5	39·7	28·7	40·5	1·0	1·5	·163	·214	88	88	WSW 1	WSW 1	2	4	·010	
30	·23	·21	44·7	48·4	39·3	49·2	1·2	1·8	·269	·295	91	87	WSW 1	W 2	9	8	·005	Dull and cloudy.
31	30·23	30·23	48·1	49·6	46·4	51·2	0·7	0·8	·318	·335	95	95	WSW 1	Calm 0	10	7	—	Dull and damp.
Mean	29·587	29·573	42·1	43·4	37·2	49·1	1·9	1·8	·235	·249	85·5	86·4		1·7		1·8	6·1	5·7	2·690	

PARSONSTOWN (BIRR CASTLE).—JANUARY 1890.

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.		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	30·08	30·01	29·7	38·7	27·8	44·7	0·6	1·0	·149	·216	90	92	Calm 0	Calm 0	3	1	—	⌒² ≋ *n.* Cold and frosty, with ∞ *a.*
2	29·82	29·53	36·5	39·7	34·0	43·7	0·6	0·8	·204	·228	95	93	S 1	S 2	0	10	·121	⌒ *a.* Day very clear. ≋⁰ (mist) 9*p.*
3	·28	29·24	44·0	39·8	38·8	47·7	1·1	0·5	·263	·235	91	96	Calm 0	Calm 0	10	10	·100	≋⁰ (mist) *a.* Dull and mild. ● *p.*
4	·32	28·93	33·7	43·6	32·7	43·7	0·6	0·8	·182	·266	93	93	Calm 0	S 5	0	10	·604	⌒ ≋⁰ *a.* Very bright *a.* Overcast *p.*
5	·03	29·35	47·7	44·8	37·9	51·7	3·0	2·6	·261	·239	80	81	SW 2	SSW 4	8	10	·171	●² *n.* ⚿² ▲² 6*a.* Church struck.
6	·60	·59	47·7	53·2	39·0	53·6	0·9	1·9	·309	·352	94	87	SSE 2	S 3	10	10	·490	Mild and squally, with ● showers.
7	·72	·87	46·7	44·8	42·7	55·2	1·7	1·5	·279	·262	88	88	SW 1	S 2	9	9	·022	Bright and mild. [⚿ 10*p.*
8	·50	·80	49·7	38·8	37·8	49·9	1·8	1·3	·312	·211	88	90	SSE 2	SW 4	9	10	·110	Squally, with ▲ ● showers.
9	·69	·62	44·8	48·4	34·7	54·1	0·6	1·5	·283	·303	96	89	SE 1	WSW 4	10	10	·130	Dull and windy, with ● 9.
10	·89	·94	40·8	44·0	39·0	48·7	1·4	0·3	·225	·281	89	98	SW 1	Calm 0	1	10	·088	Very fine and bright. ● in evening.
11	29·84	·78	52·7	51·6	42·6	53·7	0·8	1·6	·375	·340	94	89	SW 2	SW 3	10	2	·025	≋⁰ (mist) 9*a.* and 9*p.* Mild, with ●.
12	30·02	·75	38·7	48·8	37·7	51·8	0·8	1·7	·220	·303	94	88	SW 1	S 3	1	10	·122	Bright and frosty *a.*
13	29·78	·88	42·1	38·8	37·7	52·9	1·2	1·8	·242	·201	92	85	Calm 0	Calm 0	0	5	—	Bright and cool. ≋⁰ (mist) 9*p.*
14	·58	·68	51·1	43·5	37·8	53·2	1·6	1·1	·335	·258	89	91	S 3	SW 1	10	8	·108	≋⁰ (mist) *a.* and *p.* Dull day ● *p.*
15	·72	·63	44·7	50·1	34·7	51·7	0·6	1·3	·281	·328	95	91	Calm 0	S 3	10	10	—	Mild, damp, and gusty.
16	·52	·44	53·5	47·9	47·5	54·3	2·5	1·7	·340	·291	83	88	SW 3	SW 2	10	10	—	≋ (mist) *a.* and *p.* Dull and mild.
17	·51	29·09	42·5	45·3	39·8	48·7	1·6	0·4	·238	·294	87	97	Calm 0	S 5	9	10	·610	∞ *a.* Bright and cool. ▲ 1*p.*
18	·25	28·91	37·1	42·5	33·8	53·7	1·3	2·5	·195	·220	88	81	S 1	SW 5	9	9	·240	Stormy, with ●² ▲ *n.* ●² ▲² ≺ *p.*
19	·01	29·10	40·7	34·5	32·8	46·0	2·7	0·6	·200	·188	79	94	SW 3	SSW 1	4	10	·130	● ▲ ⚿ *n.* ● ▲ ✳ day. ≺ *p.*
20	·15	29·17	33·2	33·7	30·9	35·6	0·4	0·8	·181	·178	95	91	Calm 0	S 1	10	10	·380	✳ *n.* ✳ showers all day.
21	29·11	28·73	36·4	39·1	32·0	39·5	0·9	0·3	·199	·233	93	97	SW 1	S 1	10	10	·432	✳⁰ *n.* Dull and cold. ●² from [8*p.*
22	28·89	28·72	33·7	36·8	31·8	39·6	0·7	1·0	·180	·199	92	92	SW 1	S 2	10	10	·490	✳ showers.
23	28·73	29·16	34·5	35·7	32·0	41·3	0·6	0·7	·188	·196	94	94	NNW 2	Calm 0	9	7	·143	✳ till 7*a.* ●² showers during day.
24	29·34	·05	37·7	51·8	34·1	51·9	1·0	1·1	·207	·356	91	92	Calm 0	SE 4	10	10	·066	≋⁰ (mist). Dull, with ●⁶.
25	28·91	·23	49·7	40·3	39·7	53·8	3·1	0·9	·281	·231	79	93	SW 3	SW 4	7	10	·168	Mild, with ⸝ ● ▲.
26	29·47	·38	41·6	37·9	34·2	49·7	0·5	0·1	·252	·225	96	99	SW 1	Calm 0	10	10	831	●² all day.
27	·76	29·80	33·7	36·2	32·1	41·4	0·3	0·3	·188	·208	96	97	Calm 0	Calm 0	1	10	·160	⌒ ∞ *a.* ≋⁰ (mist).
28	29·63	30·01	33·4	32·2	31·9	41·2	0·5	0·9	·181	·163	95	89	NNE 1	Calm 0	10	0	·061	✳ *n.* ≋⁰ (mist) *a.* ⌒ *p.* [mild.
29	30·25	·26	28·7	40·1	25·2	40·7	0·8	1·7	·135	·214	86	86	Calm 0	Calm 0	1	10	—	⌒² ≋⁰ (mist) *a.* ⊕ 9*a.* Fine and
30	·21	·21	44·9	47·6	38·9	48·7	1·7	0·7	·259	·313	88	95	SW 1	SW 1	10	10	·032	Dull and mild, with ≋⁰ (mist).
31	30·22	30·17	46·8	49·2	45·6	49·7	0·6	0·9	·306	·327	95	94	Calm 0	SW 2	10	10	·011	Dull, with ● 9 ≋⁰ (mist).
Mean	29·542	29·516	41·2	42·6	36·0	48·1	1·2	1·1	·240	·254	90·4	91·3		1·1		2·0	7·1	8·7	5·845	

SWANBISTER.—FEBRUARY 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8′ W. Lat. 58° 56′ N. Gravity Correction, + ·036.

1	29·62	29·52	44·5	40·5	40·0	—	0·7	1·5	·277	·221	95	88	swbyS 4	WSW 4	—	—	·240	Instruments (except anemometer) removed half-a-mile to the northward, and to a higher level than formerly. The height given is that of the new position.
2	·51	·70	37·2	45·0	34·0	—	1·8	2·0	·187	·253	84	85	WSW 7	WSW 8	—	—	·050	
3	·81	·77	46·3	45·0	44·6	—	1·7	1·6	·274	·262	88	88	WbyS 7	SbyW 2	—	—	·020	
4	·74	29·85	39·5	39·8	38·0	—	1·1	2·6	·221	·195	91	80	WbyS 4	W 4	—	—	·030	
5	29·86	30·00	42·2	35·2	34·0	—	1·7	0·6	·233	·194	87	94	WSW 5	Calm 0	—	—	·030	
6	30·08	·20	39·2	40·2	34·0	—	1·2	1·6	·216	·216	90	87	WSW 1	WbyS 1	—	—	—	
7	·27	·28	38·4	39·8	34·0	—	1·2	1·0	·208	·224	90	92	Calm 0	Calm 0	—	—	—	
8	·21	·16	33·2	38·5	31·0	—	0·7	1·5	·176	·204	93	88	WSW 1	S 4	—	—	·010	
9	·10	·08	38·8	34·5	32·0	—	1·3	0·5	·211	·190	90	95	SbyE 4	Calm 0	—	—	—	
10	·13	·06	39·8	38·0	33·0	—	2·8	2·2	·191	·187	78	81	SbyW 5	S 6	—	—	—	
11	30·07	30·01	39·0	39·8	35·0	—	2·5	2·4	·190	·198	81	81	SbyE 5	SSE 7	—	—	—	
12	29·90	29·74	40·6	40·0	39·0	—	2·4	2·4	·205	·200	81	81	SbyE 7	SEbyS 8	—	—	—	
13	·73	·67	40·0	32·5	32·0	—	3·2	0·3	·186	·179	75	97	SE 8	SbyW 4	—	—	·210	
14	·71	·76	38·2	37·7	32·0	—	4·2	2·9	·155	·173	67	76	SbyE 4	SbyE 4	—	—	—	
15	·75	·70	37·5	38·5	35·0	—	1·4	2·0	·197	·195	88	84	Calm 0	EbyS 6	—	—	—	
16	·55	29·57	35·3	41·0	34·0	—	0·3	1·4	·201	·227	97	89	EbyS 7	EbyS 7	—	—	·160	
17	29·82	30·05	43·4	42·0	39·0	—	1·2	2·2	·255	·221	91	84	sEbyS 5	sEbyE 7	—	—	—	
18	30·19	·27	41·3	40·5	40·0	—	3·3	2·5	·195	·202	76	81	sEbyE 7	sEbyE 7	—	—	—	
19	·30	30·20	40·0	38·0	37·0	—	2·8	1·8	·193	·194	78	85	SE 6	sEbyS 7	—	—	·030	
20	30·02	29·92	38·0	38·2	36·0	—	1·8	2·0	·194	·192	85	84	SE 7	sEbyS 7	—	—	·180	
21	29·88	30·00	38·8	40·0	36·0	—	1·6	0·6	·205	·234	87	95	S 6	Calm 0	—	—	·010	
22	30·17	·29	41·2	41·8	37·0	—	1·2	1·3	·233	·237	91	90	WSW 1	WSW 1	—	—	·020	
23	·42	·50	46·2	45·5	41·0	—	0·4	0·3	·303	·298	98	98	WbyN 2	NW 1	—	—	·050	
24	·50	·52	43·7	40·2	39·0	—	0·1	0·2	·283	·245	99	98	NW 1	NNW 1	—	—	·020	
25	·47	·32	41·8	41·5	38·0	—	0·5	0·5	·254	·251	96	96	NNW 1	NNW 3	—	—	·030	
26	·43	·51	36·6	34·0	33·0	—	4·1	1·0	·145	·176	67	89	NNE 5	NbyW 3	—	—	—	
27	·39	30·40	30·8	30·0	25·0	—	0·0	0·0	·173	·167	100	100	NbyW 5	NbyW 3	—	—	·020	
28	30·26	29·90	31·7	32·0	29·0	—	0·2	0·2	·175	·177	98	97	NNW 1	ENE 3	—	—	·460	
Mean	30·032	30·034	39·4	38·9	35·5	—	1·6	1·4	·212	·211	87·2	88·7		4·1		3·9	—	—	1·570	

DUNROBIN CASTLE.—FEBRUARY 1890.

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.		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	29·89	29·73	45·6	35·5	35·3	49·0	1·6	0·7	·269	·195	88	94	S	W	—	—	·240	● showers *a.*
2	29·75	·96	45·4	41·6	32·7	46·3	0·0	6·3	·304	·151	100	58	W	SW	—	—	—	✳ ● (sleet) *p.*
3	30·06	29·96	48·7	49·0	39·6	52·0	3·7	3·3	·257	·270	75	77	W	W	—	—	—	Fine and mild.
4	29·95	30·06	43·2	32·5	30·5	49·7	3·2	2·2	·213	·139	77	75	W	N	—	—	—	Fine and mild *a.* Colder *p.*
5	30·10	·20	41·9	40·4	29·5	48·0	4·2	1·9	·187	·213	71	85	W	NW	—	—	—	Dull with ⌒.
6	·27	·38	37·9	39·4	37·5	47·0	2·2	1·1	·187	·220	82	91	NE	NE	—	—	—	Fine and mild.
7	·45	·45	38·2	37·9	36·3	48·7	3·4	4·8	·168	·145	73	64	N	NE	—	—	—	⌒. Fine day.
8	·42	·31	30·8	34·3	28·3	42·3	1·3	2·8	·140	·145	81	73	N	N	—	—	—	⌒. Fine day.
9	·26	·28	31·3	32·8	30·3	42·0	1·0	3·0	·152	·127	86	68	NE	NE	—	—	—	⌒. Fine day.
10	·31	·27	30·5	30·3	30·3	42·0	0·4	1·5	·160	·151	94	77	N	NE	—	—	—	⌒. Fine day.
11	·23	30·13	36·8	39·2	28·5	45·7	2·3	3·9	·176	·167	81	71	SE	S	—	—	—	⌒. Fine day.
12	30·02	29·86	41·9	38·2	38·2	43·7	3·2	2·7	·204	·180	77	78	SE	SE	—	—	—	Milder and blowy.
13	29·87	·81	39·6	38·9	37·7	40·5	2·8	3·6	·190	·170	78	72	SE	SE	—	—	—	Cold wind *p.*
14	·87	·90	36·8	31·1	29·7	40·3	2·7	2·0	·169	·128	77	72	E	E	—	—	—	Cold wind *p.*
15	·81	·80	28·8	39·9	23·3	41·0	1·3	2·4	·122	·200	78	81	NE	NE	—	—	·480	⌒ *a.* Cold ● showers *p.*
16	·62	29·73	38·4	42·2	35·5	42·2	2·9	2·7	·178	·214	77	81	E	E	—	—	·250	● *a.* Blowy, with ● showers *p.*
17	29·87	30·09	41·9	43·9	36·0	44·7	1·2	3·4	·241	·216	92	75	S	SE	—	—	—	Dull day.
18	30·31	·38	43·4	40·4	39·5	43·9	3·7	3·3	·206	·187	74	75	SE	SE	—	—	—	Cold wind.
19	·43	·30	40·4	39·2	39·2	42·3	1·7	1·7	·216	·207	87	86	SE	E	—	—	—	Cold wind.
20	·12	·03	39·6	36·1	34·3	42·0	2·5	0·6	·195	·202	80	95	S	S	—	—	·110	Cold wind. ● showers *p.*
21	·05	·21	38·6	37·4	36·0	43·0	2·3	1·6	·190	·192	81	86	SE	NW	—	—	—	Dull *a.* Milder mid-day. Colder *p.*
22	·38	·52	39·4	42·2	37·0	44·5	0·9	1·9	·224	·229	93	86	W	NW	—	—	—	Dull and mild.
23	·67	·71	47·5	46·4	40·7	54·5	2·0	1·1	·281	·289	86	92	W	W	—	—	—	Mild day.
24	·71	·71	44·6	41·6	37·7	50·0	6·3	1·3	·173	·236	59	90	S	SE	—	—	—	Fine day.
25	·65	·55	39·6	40·4	33·5	42·7	1·6	4·9	·211	·161	87	64	SW	SW	—	—	—	Fine and mild.
26	·60	·71	39·6	35·3	35·3	48·5	3·1	2·6	·185	·157	76	76	S	SE	—	—	—	Dull and cold.
27	·57	·58	34·8	30·3	29·0	38·7	0·7	0·8	·188	·148	93	88	E	N	—	—	·070	✳⁶ showers.
28	30·46	30·06	32·1	35·1	30·3	39·7	2·3	2·6	·132	·155	72	75	NE	N	—	—	·300	✳⁶ showers *a.* ● and ✳ ● (sleet) [*p.*
Mean	30·203	30·203	39·2	38·3	34·2	44·8	2·3	2·5	·197	·185	81·3	78·8		—		—	1·450	

BRAEMAR.—FEBRUARY 1890.

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	28·65	28·57	44·3	37·6	36·0	45·8	2·8	1·9	·231	·190	79	84	SW 4	W 0·5	7	8	—	Fine day.
2	·62	·81	35·2	40·2	31·0	42·0	2·3	2·8	·143	·194	76	78	SW 0·5	SW 2	6	7	·030	✳ ● showers.
3	·87	·80	42·6	42·6	38·3	47·2	3·1	3·1	·210	·210	78	78	SW 2	SW 2	6	5	—	Very fine.
4	·72	28·85	41·6	31·9	31·7	44·3	2·1	1·2	·220	·152	84	84	SW 0·5	W 0·5	6	2	—	Very fine.
5	28·86	29·00	32·9	37·0	27·0	43·2	2·0	1·8	·146	·186	78	85	W 0·5	W 0·5	1	2	—	Very fine.
6	29·07	·16	25·7	32·0	24·3	41·0	1·0	0·7	·106	·165	77	91	SE 0·5	SW 0·5	6	0	—	Very fine.
7	·24	·23	33·2	26·5	25·7	42·0	1·5	0·6	·159	·125	83	88	SW 0·5	W 0·5	7	0	—	Very fine.
8	·18	·14	26·7	27·7	24·7	46·8	1·0	1·0	·114	·122	79	80	SW 0·5	SW 0·5	0	0	—	Very fine.
9	·09	·00	21·7	34·9	21·2	42·0	0·5	2·9	·099	·149	86	73	SW 0·5	SW 0·5	5	5	—	Very fine.
10	·11	29·98	34·5	31·7	31·4	38·8	2·8	1·4	·146	·147	73	81	S 1	SW 1	7	4	—	Very fine.
11	29·04	28·96	21·5	34·9	21·0	40·8	0·3	1·2	·105	·179	91	89	SW 0·5	SE 1	0	7	—	Clear and frosty.
12	28·79	·68	35·4	33·0	32·3	38·0	2·4	2·0	·161	·147	78	78	SE 1	SE 2	8	9	—	Dull and cold.
13	·64	·63	32·7	31·5	31·0	36·7	1·0	1·8	·165	·136	88	77	NE 1	NE 0·5	8	10	·300	Dull *a.* ✳ *p.*
14	·67	·74	23·7	15·7	15·7	35·0	1·0	1·0	·093	·060	74	69	NE 0·5	NE 0·5	6	0	—	Fair and frosty.
15	·68	·55	19·2	32·2	11·8	34·3	0·5	0·5	·087	·172	84	94	S 0·5	NE 0·5	8	10	·510	✳² showers.
16	·41	·54	32·2	33·7	31·6	35·0	0·5	1·3	·172	·167	94	86	NE 0·5	NE 0·5	10	4	·060	✳
17	28·76	28·94	37·8	36·6	31·2	41·3	1·4	1·1	·200	·196	89	91	SE 1	S 0·5	8	10	·300	Dull day.
18	29·07	29·14	35·7	35·7	35·0	39·2	0·8	2·3	·196	·167	93	80	SE 2	SW 4	10	3	·030	
19	29·17	29·09	35·0	33·7	33·5	37·5	2·1	1·8	·162	·157	80	82	SE 1	SE 6	7	8	—	Fine, but cold.
20	28·91	28·85	33·7	32·7	32·2	35·6	2·0	1·6	·153	·152	79	82	S 4	SW 4	9	9	—	Dull and cold.
21	28·85	29·00	33·5	28·5	28·4	41·0	0·8	0·2	·175	·151	91	96	SW 0·5	SW 0·5	7	0	—	Fair and clear.
22	29·14	·25	24·4	31·9	22·2	44·3	0·7	1·0	·108	·157	82	87	SW 0·5	SW 0·5	6	0	—	Fair and clear.
23	·33	·41	39·8	40·3	30·0	49·0	0·9	1·4	·227	·221	93	89	SW 0·5	SW 0·5	7	8	—	
24	·37	·36	31·7	35·4	30·3	48·8	0·3	0·7	·172	·194	96	94	SW 0·5	NE 0·5	3	6	—	Fair and clear.
25	·35	·21	31·4	31·0	30·7	45·5	0·7	1·1	·160	·146	90	84	NE 0·5	NE 0·5	5	0	—	≋ 9*a.* Clear *p.*
26	·21	·35	35·9	31·4	27·0	45·8	1·6	1·7	·182	·137	86	77	NE 2	NE 0·5	4	8	·010	Cold, with ✳ showers
27	·25	29·20	29·7	35·4	27·7	42·2	0·6	1·7	·149	·175	90	85	N 2	N 2	6	7	·110	Cold, with ✳ showers.
28	29·15	28·80	28·7	32·2	26·8	38·2	0·5	0·5	·143	·172	91	94	SW 0·5	W 2	6	8	·030	✳
Mean	28·971	28·976	32·1	33·1	28·2	41·6	1·3	1·4	·157	·162	84·4	84·1		1·1		1·3	6·0	5·0	1·380	

LAUDALE.—FEBRUARY 1890.

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.		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	29·93	29·82	47·5	41·6	39·1	51·9	1·7	1·9	·287	·224	88	88	W 4	SW 2	10	10	·520	●² showers all day.
2	29·92	30·12	41·0	46·5	37·3	47·4	3·0	1·7	·197	·277	77	88	WNW 4	W 4	10	10	·380	●² showers all day.
3	30·21	·09	47·2	46·0	45·4	49·8	1·9	1·6	·280	·274	87	89	W 3	W 4	0	7	—	● showers all day.
4	·02	·16	43·0	33·8	32·8	48·9	2·2	0·6	·230	·182	83	93	W 1	Calm 0	9	1	·040	Mild day. Clear and frosty *n.*
5	·19	·23	37·2	38·8	31·7	42·3	2·8	0·3	·170	·230	77	98	E 1	Calm 0	3	7	·050	● showers, with bright intervals.
6	·28	·39	34·2	38·0	33·8	44·9	0·2	0·9	·194	·210	98	92	Calm 0	Calm 0	1	8	—	Clear and frosty *a.* Day mild and
7	·47	·47	34·2	40·5	32·2	44·8	0·4	3·2	·190	·189	96	75	NE 1	SW 1	1	10	—	Fine and clear till 8*p.* [bright
8	·42	·34	37·2	36·2	33·0	43·2	2·2	3·2	·180	·156	81	73	ENE 1	E 1	3	1	—	∞ *a.* and *p.* Clear and frosty.
9	·24	·26	38·1	39·0	31·5	43·4	3·9	3·2	·159	·178	68	76	E 2	E 2	0	8	—	Clear all day.
10	·26	·21	38·0	38·9	35·2	39·7	2·8	3·7	·176	·168	77	72	E 2	E 3	9	5	—	Very red sky 8*a.* Cold all day.
11	30·16	30·05	41·4	40·7	35·0	46·4	3·5	3·7	·193	·183	74	72	ESE 6	E 7	2	2	—	
12	29·87	29·72	39·3	39·0	33·0	47·6	4·5	5·7	·159	·139	67	59	E 2	E 6	1	2	—	Cold and clear all day.
13	·73	·76	39·4	36·2	32·6	40·0	4·4	3·0	·161	·159	67	75	E 3	E 1	7	9	—	Cold and clear all day. ∞
14	·81	·85	37·9	38·5	33·0	40·1	4·1	3·3	·156	·171	69	74	SE 3	Calm 0	8	10	—	Snow showers on the hills.
15	·85	·66	37·1	40·3	34·2	42·6	1·9	2·6	·185	·199	84	80	Calm 0	Calm 0	8	10	·020	Cloudy all day. ∞ *p.*
16	·52	·63	38·0	38·8	35·5	42·3	2·3	2·2	·185	·194	81	83	SE 1	Calm 0	7	5	·030	Dull, with ∞². Mild.
17	29·81	29·96	43·2	43·0	35·6	45·8	2·7	2·2	·223	·230	80	83	ESE 3	SE 2	10	9	·090	Dull and damp all day.
18	30·13	30·20	44·0	43·0	41·2	45·3	2·4	2·6	·236	·214	81	81	SSE 6	SSE 8	7	9	—	
19	·22	30·13	44·2	41·4	37·6	44·2	4·2	3·6	·203	·192	70	74	SSE 6	SSE 7	8	8	·040	Cold and dry.
20	·06	29·97	37·9	39·3	36·3	42·7	1·5	2·8	·199	·187	88	79	S 2	S 3	10	7	·050	(gale) all day. ∞
21	·04	30·20	40·1	38·0	36·4	44·3	2·3	1·2	·202	·204	81	89	SSW 1	Calm 0	10	2	—	●⁰ showers all day.
22	·39	·54	39·8	44·4	36·5	48·6	1·0	1·6	·225	·257	92	88	Calm 0	Calm 0	6	10	·010	Cloudy all day. ∞
23	·66	·71	45·4	46·0	42·0	50·5	2·6	0·6	·246	·297	82	96	Calm 0	Calm 0	10	10	·020	Calm and bright all day. ∞
24	·67	·66	43·9	40·2	38·6	49·9	0·4	1·0	·272	·228	97	92	Calm 0	Calm 0	10	0	—	≋⁰ (mist) *a.* and *p.*
25	·64	·50	36·2	36·0	32·2	47·9	1·1	0·7	·193	·199	92	94	Calm 0	ENE 1	0	0	—	≋⁰ (mist) *a.* Day fine and clear.
26	·50	·69	41·7	36·8	33·6	44·4	1·7	2·9	·228	·166	87	76	ENE 2	NW 4	7	7	·010	Fine and clear all day.
27	·61	·57	34·8	34·2	32·8	43·2	1·1	2·2	·180	·154	90	78	NW 1	NW 1	7	8	—	Cold and clear all day.
28	30·07	30·16	36·9	38·9	29·4	40·8	1·9	1·9	·183	·200	84	85	Calm 0	Calm 0	7	10	·250	⚹⁰ *n.* [(sleet).
Mean	30·184	30·179	40·0	39·8	35·3	45·1	2·3	2·3	·203	·202	82·0	82·1		2·0		2·0	6·5	6·7	1·780	Day cold. ●² showers *p.* with ● ⚹

DUNDEE.—FEBRUARY 1890.

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	29·81	29·64	46·4	44·5	39·0	47·6	1·9	2·0	·271	·249	87	85	SW 2	W 4	10	10	·010	Dull, with ●⁰ showers *a.*
2	29·78	·96	35·7	40·8	33·9	45·0	2·1	1·6	·171	·221	82	88	W 2	W 4	0	7	—	Fine day.
3	30·02	·95	44·9	44·5	40·1	48·7	1·5	2·4	·263	·240	89	82	W 2	W 2	5	5	—	10*a.*—5*p.*
4	29·85	29·94	44·0	40·2	40·1	47·5	1·5	3·3	·255	·185	88	74	W 1	NW 1	10	10	—	Cloudy day.
5	30·04	30·06	32·5	38·5	28·2	41·8	0·6	1·0	·172	·213	93	92	NW 1	NW 1	0	7	—	Fine day.
6	·14	·24	32·9	34·9	30·2	42·2	0·8	0·6	·169	·191	90	94	W 1	N 1	10	10	—	Dull day. ≋
7	·35	·35	32·0	31·2	28·4	35·9	0·3	0·7	·175	·158	96	89	SE 1	NE 1	10	10	—	≋.
8	·30	·22	29·0	31·5	26·1	36·4	0·5	0·0	·145	·178	91	100	NW 1	NE 1	10	0	—	≋ till 10*a.* └
9	·20	·16	32·2	37·5	30·8	37·5	0·3	2·3	·177	·181	97	81	SE 1	NE 1	0	10	·010	Dull day.
10	·18	·15	37·4	31·0	30·4	38·6	2·4	0·5	·178	·161	80	92	SW 1	NW 1	10	10	—	Dull day.
11	30·15	30·03	29·0	36·5	26·3	39·0	0·5	1·6	·145	·186	91	86	NW 1	SE 4	0	10	·010	└
12	29·88	29·72	38·5	36·8	34·7	38·5	2·0	2·3	·194	·176	84	81	SE 8	SE 10	10	10	—	
13	·66	·67	37·4	33·7	32·2	40·0	2·5	1·2	·177	·169	79	87	SE 10	W 1	10	10	·140	(gale). ⚹ ▲ showers till 6*p.*
14	·73	·75	31·2	30·0	28·0	40·9	1·7	1·6	·135	·125	76	75	S 1	NW 1	10	0	—	Fine day. [4*p.*, then ●
15	·71	·51	33·0	36·0	27·7	39·9	1·1	0·6	·165	·201	88	95	SW 1	SE 8	10	10	·980	⚹ ▲ and ⚹ ● (sleet) showers 9*a.*–
16	·34	·37	39·8	32·7	31·1	40·4	0·5	0·6	·235	·174	96	93	SE 2	W 1	10	10	·090	● *n.*, and till 9*a.* ● showers.
17	29·77	29·97	41·2	42·3	32·1	42·3	0·9	2·8	·240	·213	93	80	SE 4	SE 6	10	10	·010	●⁰ showers.
18	30·14	30·21	39·9	33·9	38·4	42·3	1·4	1·2	·218	·214	89	91	SE 8	SE 8	10	10	—	Dull, with .
19	·27	30·16	38·2	37·3	36·6	39·7	2·0	1·8	·192	·188	84	85	SE 8	SE 10	10	10	—	[● (sleet) showers from 7*a.*
20	30·00	29·91	36·7	34·9	34·1	37·8	1·4	0·8	·191	·187	83	92	SE 10	SE 4	10	10	·110	(gale) *n.*, and till 10*a.* ● and ⚹
21	29·93	30·06	34·9	33·5	33·1	40·0	0·9	0·6	·185	·180	91	93	SE 1	W 1	10	10	—	Dull day.
22	30·28	·40	33·7	36·9	29·2	44·8	0·6	0·5	·182	·209	93	96	W 1	W 1	10	5	·010	≋
23	·48	·53	41·2	45·2	34·2	50·0	0·9	2·3	·240	·249	93	83	SW 1	W 1	10	10	—	Cloudy.
24	·52	·51	40·1	40·7	35·4	50·3	1·1	0·3	·225	·248	91	97	NW 1	SE 1	10	10	—	Fine day.
25	·47	·30	37·2	38·4	33·5	48·4	1·1	0·7	·200	·218	92	94	NW 1	NW 1	7	5	—	Fine day.
26	·31	·48	41·4	35·0	32·2	41·4	1·9	2·3	·222	·159	86	58	NE 4	NE 6	10	10	·010	● showers 9*a.*—noon. *p.*
27	·38	30·37	34·1	32·2	31·4	38·5	2·6	0·7	·146	·167	74	91	N 4	NE 4	10	10	—	⚹ showers from 9*a.* at times.
28	30·30	29·92	33·0	35·8	28·6	36·2	1·4	0·9	·159	·195	84	93	W 1	NW 4	10	10	·010	Dull day.
Mean	30·071	30·062	36·7	36·8	32·3	41·8	1·3	1·3	·194	·194	88·0	88·1		2·9		3·2	8·3	8·5	1·390	

GLASGOW.—FEBRUARY 1890.

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	29·83	29·67	46·9	43·7	43·7	48·3	2·3	0·9	·267	·264	84	93	SW 4	SW 2	10	10	·170	Overcast, with ●⁰.
2	29·85	30·02	38·4	43·2	36·5	46·0	3·2	1·3	·173	·251	74	90	W 1	SW 3	5	10	·025	●⁰.
3	30·09	29·99	43·9	44·1	42·7	46·5	0·4	2·3	·277	·238	97	82	SW 2	SSW 1	10	10	—	Dull and overcast.
4	29·86	29·95	43·3	38·1	38·1	46·5	0·9	2·5	·260	·182	93	79	WSW 2	WNW 1	10	6	—	Fine *a.* Dull and blowy *p.*
5	30·03	30·08	31·8	36·6	30·9	44·1	0·9	0·6	·159	·205	88	95	W 1	WSW 1	0	0	—	Fine day. ∞⁰ └⁰.
6	·14	·23	32·0	29·7	29·0	37·6	0·0	0·1	·181	·164	100	99	NNE 1	NNE 1	10	10	—	≋² └⁰
7	·33	·32	31·0	35·7	29·0	39·0	0·4	1·3	·163	·184	93	88	N 1	ENE 1	10	10	—	Overcast, with ≋⁰.
8	·27	·18	29·1	32·7	29·1	39·1	0·5	1·1	·146	·162	92	87	NE 1	E 1	10	0	—	Overcast, with ≋⁰. └⁰.
9	·12	·10	30·1	36·1	29·1	36·7	0·3	1·2	·159	·188	95	89	NE 1	ENE 1	6	10	—	└⁰.
10	·12	30·11	36·0	35·0	33·3	38·3	3·4	2·1	·158	·164	73	80	SE 1	ESE 1	10	3	—	Dull and overcast.
11	30·10	29·95	31·2	34·0	29·1	40·3	2·0	1·6	·129	·164	72	83	ENE 1	E 2	0	0	—	└⁰ ∞. Fine day.
12	29·76	·62	32·9	33·6	31·1	44·6	1·8	1·6	·150	·160	81	84	N 1	E 2	6	0	—	└⁰.
13	·58	·62	35·4	35·8	31·0	37·5	3·3	2·7	·147	·160	71	75	E 1	SE 3	9	10	—	Dull and overcast.
14	·69	·71	33·7	33·1	32·7	36·5	2·6	1·6	·143	·156	74	82	ESE 1	E 2	10	3	—	Overcast.
15	·63	·44	29·9	34·9	29·6	38·8	0·7	0·7	·148	·188	89	93	W 1	ENE 1	10	10	·130	Overcast, with ●⁰. └
16	·32	·49	34·7	35·8	34·1	39·0	0·6	1·2	·188	·186	94	89	W 1	ENE 1	10	10	·030	Overcast, with ●⁰.
17	29·65	29·82	38·3	41·2	35·2	44·8	1·3	1·8	·205	·221	89	86	E 1	E 2	10	10	—	Cloudy and squally.
18	30·01	30·09	41·2	38·7	38·6	42·4	1·7	2·0	·224	·196	87	84	ENE 2	E 4	10	4	—	Dull and overcast.
19	30·12	30·03	38·7	36·0	35·8	41·1	2·1	2·1	·194	·172	84	81	ENE 2	ENE 3	6	10	·138	Cloudy and squally.
20	29·92	29·86	35·3	34·7	33·4	36·8	1·2	1·0	·182	·182	89	90	E 1	E 1	10	10	·133	Gloomy and overcast, with ⚹ ●.
21	29·92	30·07	34·5	37·0	33·1	38·5	0·6	0·7	·188	·206	94	94	NNE 1	NE 1	10	10	—	⚹⁰ *a.* Gloomy and overcast.
22	30·27	·41	38·5	39·5	36·0	42·8	0·7	0·5	·219	·232	95	96	NNW 1	WSW 1	10	10	·020	Dull and overcast.
23	·50	·53	42·5	42·9	39·5	51·6	0·4	0·9	·263	·256	97	93	SW 1	WNW 1	10	10	—	Cloudy.
24	·47	·47	37·8	42·9	36·2	48·6	0·6	1·2	·215	·250	95	90	NE 1	NE 2	10	8	—	≋⁰ *a.* Dull and cloudy.
25	·43	·28	41·5	39·0	39·7	44·6	0·6	1·2	·249	·221	96	90	NE 1	E 1	10	10	—	
26	·29	·47	32·8	36·1	32·7	43·7	0·2	4·3	·184	·137	99	64	WNW 1	NNE 1	10	10	—	≋⁰ *a.* Dull and cloudy.
27	·38	30·37	33·3	32·9	31·0	39·6	2·7	3·9	·137	·113	72	61	W 1	N 1	7	6	—	Fine and sunny.
28	30·30	29·98	30·4	36·0	28·3	38·6	2·0	2·1	·121	·172	71	81	WNW 1	WSW 1	10	10	·010	└⁰. ▯ 8.15*p.*
Mean	30·035	30·030	35·9	37·1	33·9	41·9	1·3	1·6	·187	·192	87·1	85·6		1·3		1·5	8·5	7·5	0·656	

WOLFELEE.—FEBRUARY 1890.

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	29·42	29·24	46·0	44·0	40·5	52·0	0·8	0·8	·292	·268	94	93	NW	W	—	—	·210	Fine and blowy, *a.* ● *p.*
2	·37	·57	34·0	38·0	31·0	48·0	1·3	1·5	·170	·203	86	89	W	SW	—	—	—	Fine and clear.
3	·02	·54	44·5	42·0	36·0	45·0	2·3	1·3	·242	·239	83	90	NW	W	—	—	—	Fine *a.* Dull and blowy *p.*
4	·42	·45	41·5	40·0	39·0	46·8	1·3	2·3	·234	·202	90	82	SW	SW	—	—	—	Fine *p.*
5	·53	·61	26·5	29·0	21·5	40·5	1·3	0·8	·103	·136	72	86	SE	W	—	—	—	Clear and frosty.
6	·66	·74	26·0	32·5	22·0	41·5	1·3	0·3	·099	·179	70	97	SW	SW	—	—	—	Clear and frosty *a.*
7	·85	·84	32·5	34·5	28·5	41·0	0·8	0·8	·168	·186	90	94	SW	E	—	—	—	Fine *a.*
8	·80	·72	26·0	26·5	21·0	39·5	1·3	1·3	·099	·103	70	72	W	W	—	—	—	Clear and frosty.
9	·65	·65	34·0	36·0	19·0	40·2	2·3	1·8	·150	·179	77	84	SSW	S	—	—	—	
10	·64	·65	35·0	31·5	31·5	40·0	2·3	1·3	·159	·147	78	82	SE	SE	—	—	—	Dull *a.* Fine and clear *p.*
11	·65	·53	30·5	34·0	25·0	39·0	0·3	1·8	·162	·160	96	81	S	SE	—	—	—	Clear and frosty *a.* Blowy *p.*
12	·37	·21	33·5	30·5	28·0	37·0	1·8	0·8	·155	·150	81	88	SE	SE	—	—	—	Cold and blowy.
13	·15	·19	33·0	32·5	27·0	35·5	0·3	2·3	·181	·137	96	74	SE	SE	—	—	—	Dull, cold and blowy *a.* ⚹ *p.*
14	·25	29·26	29·0	26·0	26·0	37·5	0·5	1·3	·145	·099	91	70	SW	SW	—	—	—	Clear and frosty.
15	29·16	28·95	30·5	34·0	19·5	41·0	0·3	0·3	·162	·190	96	97	SSE	SSE	—	—	·520	Dull, with ⚹² and ⚹² ●² (sleet).
16	28·85	29·06	34·0	37·0	30·0	40·0	0·3	1·3	·190	·195	97	89	SE	S	—	—	·060	Dull *a.* Dull and blowy *p.*
17	29·22	·39	38·5	38·5	34·0	41·5	1·3	1·3	·207	·207	89	89	SE	SW	—	—	·060	Dull *a.* and *p.* ⚹ in afternoon. Blowy *p.*
18	·58	·66	38·5	37·0	36·0	41·0	0·8	1·3	·217	·195	93	89	E	SE	—	—	—	Dull *a.* Dull and blowy *p.*
19	·70	·62	36·5	35·0	34·0	39·0	1·3	1·8	·191	·168	89	82	NE	NE	—	—	—	Dull *a.* Dull and blowy *p.*
20	·48	·41	33·5	33·0	31·0	38·4	1·8	1·3	·155	·161	81	85	SE	SE	—	—	·020	Dull and blowy *a.* Clear *p.*
21	·44	·58	33·0	31·0	28·5	35·0	0·8	0·3	·171	·166	91	95	SW	S	—	—	—	Dull *a.* Fine and clear *p.*
22	29·79	29·92	29·5	32·0	24·0	42·5	0·3	0·3	·155	·175	95	96	SW	S	—	—	·020	Fine and clear.
23	30·00	30·03	38·0	38·0	27·0	41·0	0·8	1·3	·212	·203	93	89	SE	S	—	—	·030	● in past *n.* Fine *p.*
24	29·99	29·99	42·0	39·5	35·0	49·0	0·3	0·3	·260	·236	98	98	N	N	—	—	·070	●⁰ *a.* and *p.*
25	·95	·84	39·0	39·5	36·0	45·0	0·5	1·8	·232	·207	98	86	NE	NE	—	—	—	Dull *p.*
26	·77	·94	40·0	35·0	35·0	40·8	1·3	2·3	·220	·159	90	78	NE	NE	—	—	·030	Dull, with ●⁰ *a.* Cold and blowy *p.*
27	·85	·83	31·5	30·5	28·0	41·5	1·3	0·3	·147	·162	82	96	NW	NW	—	—	—	⚹ in afternoon.
28	29·80	29·53	27·0	32·5	19·5	36·0	0·3	0·8	·137	·168	93	90	W	W	—	—	·150	Clear *a.* Dull *p.*
Mean	29·569	29·569	34·4	34·6	29·1	41·3	1·0	1·2	·179	·178	87·8	87·2		—		—	—	—	1·170	

SCARBOROUGH.—FEBRUARY 1890.

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	30·03	29·83	46·3	45·4	45·3	49·4	0·3	1·5	·307	·269	98	89	SW	2	SW	3	8	9	·010	Fine day. ≋
2	29·89	30·13	41·5	38·1	36·0	45·6	2·4	1·4	·213	·202	82	88	W	2	W	3	9	0	—	Very brilliant from 10*a*.
3	30·16	30·09	38·5	41·5	35·5	47·4	0·5	0·5	·223	·251	96	96	SW	2	SW	1	1	10	—	Brilliant till 7*p*.
4	29·99	29·89	40·8	42·5	40·3	43·6	0·3	0·7	·248	·256	98	94	SW	1	SW	1	10	10	·040	Dull and damp.
5	29·98	30·08	42·0	34·6	34·3	43·2	1·9	0·6	·227	·188	86	94	NE	3	S	1	3	0	—	Brilliant day.
6	30·13	·21	35·6	41·7	30·3	42·6	0·2	0·5	·204	·253	99	95	NW	1	NE	1	10	10	·030	Cloudy, with ● 0 showers.
7	·31	·35	40·4	37·7	37·3	42·2	2·1	0·9	·208	·208	83	92	NE	3	E	1	10	10	—	Fair, dry, and very clear.
8	·35	·27	35·9	35·1	34·8	37·7	0·4	0·2	·203	·200	97	98	E	1	E	1	10	10	·030	Fair and dry *a*. Damp afternoon.
9	·16	·14	39·1	38·2	35·1	40·2	1·3	1·4	·213	·203	89	88	E	3	E	2	10	10	—	
10	·17	·20	37·7	37·7	37·3	39·5	1·6	0·4	·195	·218	86	97	SE	1	SE	1	10	0	—	Fine day.
11	30·20	30·06	38·0	38·1	33·3	40·5	1·3	0·8	·203	·214	89	93	SE	1	SE	2	10	10	—	Brilliant day.
12	29·92	29·73	35·8	36·5	34·3	38·2	1·4	1·7	·183	·183	88	85	SE	3	SE	4	10	8	—	Dark *a*., then fine. Very cold wind.
13	·64	·69	36·6	36·9	35·3	37·5	2·2	1·7	·175	·186	82	86	SE	4	SE	1	6	10	—	Fine, but with very cold wind.
14	·74	·68	37·0	38·3	33·0	40·2	1·8	0·9	·186	·214	85	93	SW	1	SW	1	10	10	·060	Fair *a*. Bright afternoon.
15	·60	·30	40·7	39·7	37·3	41·2	0·2	0·1	·249	·242	98	99	SE	2	E	2	10	10	·700	Dull and stormy, with ●.
16	·34	·64	35·9	41·6	35·3	43·2	0·4	0·9	·203	·243	97	94	SW	3	E	2	4	0	—	Brilliant *a*.
17	29·74	29·92	41·1	40·7	37·8	42·2	1·2	0·5	·232	·243	90	95	E	3	E	3	8	3	—	
18	30·09	30·17	38·5	38·5	38·0	41·2	0·7	1·5	·218	·204	94	87	SE	3	NE	3	10	10	—	Dull *a*.
19	·23	30·17	36·0	35·6	35·6	39·2	1·0	0·7	·192	·194	91	94	SE	3	E	3	10	10	—	Dry and cloudy.
20	30·01	29·96	34·6	34·3	32·8	36·0	1·0	0·0	·180	·198	91	100	NE	3	SE	1	10	10	·200	⚹ ● 0.
21	29·96	30·09	33·8	38·2	32·8	39·2	0·0	0·4	·194	·223	100	97	SW	1	SW	1	10	10	—	Dull and raw *a*., fine and bright *p*.
22	30·30	·45	37·7	36·6	33·6	42·2	0·2	0·4	·222	·208	99	97	SW	1	SW	1	6	0	—	≋ 9*a*. Fine day.
23	·52	·51	35·6	35·6	33·6	43·2	0·0	0·0	·208	·208	100	100	SW	2	SW	1	5	0	·010	Fine and bright. ∞
24	·44	·43	42·7	39·7	33·3	43·2	0·1	0·2	·272	·239	99	98	NE	2	NE	1	10	10	·010	Dull and cold, with ● 0.
25	·38	·23	39·1	40·4	37·3	41·7	0·1	0·1	·237	·249	99	99	NE	3	N	4	10	10	·030	Raw, with ≋.
26	·17	·32	41·7	38·9	38·1	43·0	0·4	5·8	·255	·167	96	71	NE	6	NE	4	8	10	·040	(gale) ●.
27	·26	·21	34·9	35·6	32·8	38·9	1·6	1·7	·172	·176	84	85	N	5	NE	4	10	2	·520	Stormy, with ⚹ △. Brilliant [vals. inter-
28	30·23	30·03	32·1	31·8	30·3	36·4	0·0	2·6	·182	·123	100	68	W	1	W	2	7	0	·290	⚹ △ showers. Fine afternoon. [9*p*.
Mean	30·068	30·062	38·2	38·2	35·4	41·4	0·9	0·9	·214	·213	92·7	91·9		2·4		2·0	8·4	6·9	1·970	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—FEBRUARY 1890.

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	30·01	29·79	47·0	46·2	44·8	48·9	0·4	0·2	·313	·308	97	99	SW	3	SW	5	8	10	535	● showers *a*. Dull day. ● from 5*p*.
2	·00	30·19	39·8	42·2	37·2	46·2	2·8	1·8	·191	·231	78	86	WNW	2	W	4	2	3	—	Very fine.
3	30·23	30·12	45·2	44·8	41·4	47·0	0·9	2·0	·280	·251	93	85	W	4	WSW	2	9	10	—	Dull day.
4	29·99	29·98	43·8	43·0	41·3	46·0	0·8	1·8	·267	·238	94	86	SW	3	NNW	3	10	10	·020	Dull day. ● showers.
5	30·10	30·13	40·0	36·6	34·6	46·0	2·5	0·6	·198	·205	80	95	N	1	NNW	1	0	2	·002	⌊² *a*. and *p*. Very fine.
6	·17	·26	33·8	36·2	29·8	46·2	0·8	0·8	·178	·199	91	93	NW	1	NW	2	3	10	—	⌊² *a*. Fine day.
7	·34	·33	41·8	39·3	35·3	44·0	2·0	2·3	·223	·196	85	82	ENE	2	ESE	4	10	10	—	Cloudy.
8	·31	·20	38·0	39·8	36·5	42·0	1·3	2·8	·203	·191	89	78	ESE	3	ESE	4	3	2	—	Fine day.
9	·13	·11	37·2	39·0	34·8	40·2	2·0	2·2	·184	·195	83	83	SE	5	SE	5	10	10	—	*a*. and *p*. Overcast.
10	·15	30·13	37·4	40·0	36·0	40·4	2·0	2·0	·185	·207	83	84	SE	4	SE	5	10	3	—	Dull day. *p*.
11	30·10	29·93	41·0	40·0	38·2	42·0	2·6	2·4	·204	·200	80	81	ESE	5	ESE	6	4	10	—	Cloudy, with squally .
12	29·76	·58	36·8	37·0	35·3	40·0	2·6	3·0	·170	·165	78	75	SE	6–7	SE	7	9	6	—	Dull, with squally .
13	·56	·66	35·3	36·4	34·8	37·2	3·9	3·4	·137	·154	66	72	SE	6	ESE	3	8	3	—	Squally *a*. Dull day.
14	·74	·72	38·7	39·2	33·5	42·0	2·9	3·2	·181	·179	78	75	SE	2	ESE	3	10	4	—	Dull day.
15	·61	·45	38·3	37·0	31·2	39·8	1·3	0·4	·205	·212	89	96	NE	3	N	2	10	7	·052	Overcast. ● from 11*a*.
16	·39	·47	34·2	44·0	30·8	46·0	1·0	1·0	·178	·265	89	92	Calm	0	SE	5	7	10	·138	Fine *a*. ● from 2*p*.
17	·59	29·77	41·0	43·2	39·0	44·0	2·0	0·4	·215	·271	84	96	ESE	6–7	ESE	4–5	10	10	·108	Squally , ● *a*. Overcast day.
18	29·97	30·02	42·0	41·8	40·8	43·8	1·3	2·8	·239	·209	90	79	ESE	5–6	E	6	10	8	—	Squally *a*. and *p*. Overcast.
19	30·06	30·05	40·5	38·8	37·6	41·8	1·6	1·8	·219	·201	87	85	E	5–6	ESE	5	8	10	·402	Dull, with squally . ● 9*p*.
20	29·93	29·89	36·5	39·0	34·5	39·0	0·4	0·1	·208	·236	97	99	ESE	4	ENE	4	10	10	·180	● 2 *a*. Overcast, with ●.
21	29·96	30·11	43·4	34·4	34·4	48·8	1·2	0·4	·255	·191	91	96	Calm	0	N	1	10	2	·010	Dull *a*. Fine afternoon. ⌓ *p*.
22	30·33	·46	41·6	38·0	32·8	42·2	0·6	0·2	·250	·224	95	98	SE	2	Calm	0	10	10	·015	● *a*. Dull and overcast. ⌓² *p*.
23	·55	·56	42·0	40·8	37·8	46·3	1·0	1·0	·245	·233	92	92	Calm	0	NW	1	10	2	·003	Overcast, with ≋0 (mist) ⌓.
24	·51	·46	40·4	42·5	35·4	49·5	0·3	1·5	·244	·240	98	88	Calm	0	NE	3	10	0	·001	⌊ *a*. Cloudy.
25	·44	·30	43·0	38·6	31·6	51·0	2·2	1·2	·230	·211	83	90	Calm	0	NW	2	2	0	—	Very fine. ⌓ *p*.
26	·29	·48	44·0	39·0	38·0	46·8	3·2	5·2	·220	·146	76	62	NE	1	ENE	5	10	8	—	Cloudy. Squally *p*.
27	·45	·39	35·8	33·0	33·0	40·8	4·6	3·2	·131	·127	61	67	N	3	NNE	2	9	2	—	Very fine.
28	30·37	30·13	36·4	33·7	28·3	39·2	4·4	0·7	·139	·180	64	92	N	2	Calm	0	3	10	·220	Cloudy. ⚹ 8*p*.
Mean	30·073	30·059	39·8	39·4	35·7	43·8	1·9	1·7	·210	·209	84·7	85·9		2·9		3·4	7·7	6·5	1·692	

STONYHURST.—FEBRUARY 1890.

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	29·82	29·62	46·0	44·2	43·6	48·2	0·8	3·4	·292	·218	94	75	WSW	1	SWbyS	2	10	10	·240	Overcast and gloomy.
2	·75	·97	39·6	36·0	35·0	44·5	2·6	1·0	·193	·193	79	91	WbyN	1	WbyS	1	2	10	—	Fine and sunny.
3	30·00	·91	41·3	41·4	34·1	45·0	0·4	0·4	·252	·252	97	97	W	1	WbyS	1	10	10	·026	Dull and overcast. ● 0 in evening.
4	29·77	·70	40·2	39·7	38·6	44·5	1·2	0·7	·224	·230	90	94	WSW	1	Calm	0	10	10	·015	
5	·80	·87	37·7	36·2	35·0	44·2	2·5	2·8	·180	·163	79	76	NNE	1	Calm	0	1	0	—	Clear and sunny.
6	29·92	29·98	30·2	36·0	27·8	39·7	1·2	1·5	·137	·184	81	87	NNW	1	Calm	0	2	3	—	
7	30·07	30·09	36·6	37·0	33·4	41·2	1·4	2·7	·190	·170	88	77	NEbyN	1	E	1	10	10	—	Overcast.
8	30·09	29·98	30·9	30·3	28·9	37·0	1·5	1·4	·136	·134	78	79	NE	1	NEbyN	1	0	0	—	Fine and sunny.
9	29·89	·86	34·3	36·2	29·2	39·0	1·0	2·9	·178	·161	89	75	NE	1	E	2	10	10	—	Overcast *a*.
10	·91	·93	34·5	34·3	33·9	37·8	3·0	1·8	·143	·163	71	82	EbyS	1	EbyN	1	7	0	—	⌊ *a*. ∞ *p*.
11	·93	·77	31·9	35·2	31·0	38·4	1·0	2·0	·157	·167	87	81	NE	1	E	2	8	0	—	Sunny *p*.
12	·61	·41	33·3	32·4	32·1	37·3	2·4	2·3	·142	·136	75	74	E	2	EbyS	3	10	10	—	Overcast *a*. Sunny *p*.
13	·36	·45	33·1	33·7	30·2	37·1	3·1	1·9	·128	·155	68	80	E	2	SEbyE	1	10	10	—	Dull and overcast.
14	·53	·50	30·9	33·8	29·5	38·5	1·6	2·0	·134	·154	77	80	Calm	0	NEbyE	1	0	10	·012	∞ *a*. Sunny *a*. Overcast *p*.
15	·34	·12	36·9	36·0	33·2	37·9	0·9	1·5	·201	·184	92	87	NEbyE	1	NbyW	2	10	10	·235	Overcast, with ● 0.
16	·19	·32	36·9	42·8	33·1	43·7	1·0	2·6	·200	·221	92	80	WSW	1	SEbyS	3	2	10	—	Overcast day.
17	·40	·59	38·3	41·4	36·7	43·1	2·1	1·4	·191	·231	83	89	EbyS	4	EbyS	2	10	10	·010	Overcast and gloomy.
18	·76	·85	38·3	37·1	36·6	41·6	1·2	1·5	·207	·192	90	87	NEbyE	3	EbyN	4	10	10	—	Overcast day.
19	·88	·85	36·6	35·2	34·0	38·9	1·7	2·0	·185	·167	86	81	NEbyE	4	EbyS	3	10	10	·005	Overcast. Squally *p*.
20	·75	·70	33·7	34·2	32·8	36·7	1·2	1·2	·169	·174	87	87	ESE	2	ENE	1	10	10	·080	⚹ *a*. and *p*. Overcast.
21	29·75	29·88	35·9	39·0	33·0	43·8	1·0	2·0	·194	·199	92	84	Calm	0	NNW	1	10	0	·005	Dull and overcast.
22	30·09	30·23	31·9	33·1	26·5	45·9	1·0	0·6	·157	·176	87	93	NNE	1	Calm	0	0	0	—	⌊ *a*. Fine and sunny. ≋ *p*.
23	·32	·30	33·1	35·3	31·9	44·5	0·5	0·4	·178	·199	94	97	Calm	0	Calm	0	10	10	—	≋ ∞ *a*. and *p*.
24	·25	·21	36·0	40·3	31·0	44·4	0·6	2·0	·201	·210	95	84	Calm	0	NEbyE	1	10	10	·015	⌊ *a*. Overcast.
25	30·19	·04	38·0	38·7	32·7	49·6	2·3	1·8	·185	·200	81	86	NEbyE	1	NE	1	0	8	—	Fine and sunny.
26	29·99	·15	42·1	37·3	36·5	46·1	3·3	4·9	·203	·138	76	62	NE	2	NE	2	10	10	—	Overcast.
27	30·13	30·07	34·7	31·6	31·2	38·0	3·9	3·2	·133	·111	66	63	NNW	2	N	2	9	0	—	Squally *p*.
28	30·08	29·88	31·9	31·1	25·9	37·8	3·8	0·8	·103	·155	58	88	NNW	2	WNW	1	3	10	·225	
Mean	29·841	29·829	35·9	36·4	32·8	41·6	1·7	1·9	·178	·180	83·3	82·7		1·4		1·4	6·9	7·5	0·868	

HILLINGTON.—FEBRUARY 1890.

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	30·17	30·03	45·0	46·2	43·9	49·0	0·2	0·5	·295	·301	98	97	S	1	SW	3	10	10	·002	≋0 (mist) *a*. Cloudy *p*.
2	·01	·27	43·5	32·0	32·0	47·0	1·2	0·2	·256	·176	90	97	WNW	2	SW	0·5	10	0	·002	Overcast *a*. Finer *p*. ⌓ *p*.
3	·32	30·23	30·5	32·3	26·9	44·3	0·3	0·3	·162	·176	96	97	SW	1	SW	0·5	0	10	·009	⌊² *a*. Fine and sunny. ⌓ ≋0
4	30·09	29·97	33·2	36·4	28·2	43·9	0·5	0·8	·179	·199	94	93	NW	0·5	N	0·5	7	10	·032	⌊² *a*. Fine day. [(mist) *p*.
5	29·99	30·13	40·1	37·3	36·1	44·3	0·3	1·6	·241	·191	97	87	NE	0·5	NE	2	10	3	·002	Overcast, then fine.
6	30·17	·24	39·4	39·9	33·1	43·5	2·6	1·1	·191	·224	80	91	NE	1	E	1	6	10	·008	⌊⁰ *a*. ⚹0 ●0 (sleet) 10*a*.
7	·35	·39	34·9	35·7	34·0	41·6	1·2	1·1	·179	·187	89	90	ESE	2	E	4	10	5	·002	Cloudy all day. Cold wind. *p*.
8	·37	·29	34·9	35·7	28·3	42·3	0·9	1·8	·185	·175	91	85	E	1	E	2	2	10	—	⌊² *a*. Fine and sunny.
9	·19	·16	37·1	34·0	34·0	39·3	2·3	1·0	·178	·175	80	89	SE	5	SE	4	10	10	—	Overcast all day.
10	·23	·27	34·3	34·2	30·8	45·1	1·5	0·5	·168	·186	85	95	SE	4	SE	1	0	0	—	⌊⁰ *a*. Fine and sunny.
11	30·24	30·09	33·9	33·4	26·0	43·1	2·1	0·7	·154	·176	79	92	ESE	3	SE	5	0	0	·003	⌊² *a*. Sunny and almost cloudless.
12	29·96	29·72	33·0	32·4	31·1	38·5	2·3	1·6	·142	·148	75	81	SE	4	SE	3	10	0	—	⌊ *a*. Cloudy, then finer.
13	·71	·75	33·9	32·1	29·0	41·5	0·7	1·3	·181	·152	93	83	SE	2	SE	1	0	7	—	⌊ *a*. Fine and sunny.
14	·80	·77	37·1	39·7	32·1	41·0	0·8	0·7	·205	·230	93	94	ENE	1	SE	1	10	10	·100	Overcast all day. ● 9 *3p*.
15	·55	·27	37·9	39·8	35·1	40·3	0·9	0·1	·210	·243	92	100	E	5	E	1	10	10	·262	● 2 *6a*. and *6p*. ⚹0 ● 11*p*.
16	·57	·74	35·3	39·0	34·0	45·8	0·9	1·8	·188	·202	92	86	SW	4	SE	2	0	0	—	Fine and sunny.
17	29·78	29·94	41·0	39·7	37·3	45·4	2·1	1·3	·214	·219	83	92	SE	4	SE	5	7	0	—	
18	30·08	30·18	38·1	37·6	36·2	44·0	1·3	1·0	·204	·205	88	91	SE	5	ESE	5	9	0	—	Fine and sunny, but with cold wind.
19	·22	·19	35·9	36·0	35·0	38·2	1·3	1·5	·185	·182	89	87	E	5	SE	5	10	10	—	Overcast all day.
20	·06	·00	34·0	34·4	33·3	36·5	1·2	0·7	·171	·184	87	93	SE	3	SE	1	10	10	·018	Overcast all day. ▲0 ●
21	·06	·19	35·1	36·4	33·1	37·3	0·9	0·7	·186	·200	91	94	SW	0·5	E	0·5	10	10	·002	Overcast all day.
22	·37	·53	36·4	34·9	30·1	42·0	0·4	0·5	·207	·193	96	95	E	0·5	E	1	10	4	·002	Overcast *a*.
23	·61	·59	34·9	28·8	24·0	44·1	2·0	0·5	·165	·144	81	91	E	2	NE	0·5	3	0	·002	⌊² *a*. Fine and sunny.
24	·49	·46	37·6	38·6	27·0	43·2	0·8	0·8	·209	·218	93	94	N	0·5	NE	1	10	10	·010	≋0 (mist) *a*.
25	·42	·23	37·4	38·4	33·5	42·3	0·5	0·6	·214	·220	96	95	NE	3	NE	2	10	10	·038	≋0 (mist) early *a*. Overcast. Ψ
26	·18	·34	39·7	39·0	37·1	43·9	0·9	0·7	·225	·224	92	94	N	2	NE	5	6	10	·012	●0 early *a*.
27	·30	·22	38·6	33·9	33·1	40·3	3·9	2·7	·163	·144	70	74	NE	2	NE	3	6	4	·078	⚹ showers. Bright intervals.
28	30·28	30·14	32·1	29·9	29·3	38·6	0·0	0·5	·182	·152	100	92	NE	3	NNW	0·5	10	0	·160	⚹ showers. Bright intervals.
Mean	30·127	30·118	36·6	36·0	32·3	42·4	1·2	0·9	·194	·194	88·9	91·0		2·4		2·2	7·0	5·8	0·744	

CHURCHSTOKE.—FEBRUARY 1890.

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.		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	29·67	29·45	46·6	43·2	42·0	48·1	1·7	1·9	·277	·238	88	85	SW 2	SW 1	10	10	·020	Dull day.
2	·61	·84	40·3	30·9	29·0	46·1	1·8	1·0	·214	·148	86	85	NNW 2	NW 1	8	0	—	Fine and spring-like.
3	·86	·73	37·6	32·9	28·0	49·3	1·7	0·8	·192	·170	85	91	SW 1	W 2	4	0	—	⌙. Bright and sharp.
4	·60	·51	36·9	37·8	30·8	42·9	0·8	0·9	·204	·209	93	93	NW 1	W 1	10	10	·020	● showers. Bright intervals.
5	·60	·68	39·7	29·1	28·0	42·1	1·6	0·4	·212	·149	87	93	NNW 2	W 1	10	0	—	⌙
6	·71	·77	27·3	34·7	25·6	34·8	0·4	0·8	·136	·185	92	93	Calm 0	Calm 0	10	10	·014	⌙, ≋0 (mist) *a.* and *p.* Very
7	·84	·87	36·3	36·9	34·0	38·8	1·4	2·0	·186	·182	88	84	NE 1	NE 3	10	9	—	Dull and raw. [sharp.
8	29·85	29·74	30·4	34·9	25·3	39·0	0·7	1·5	·151	·174	89	84	ESE 1	E 2	5	0	—	Bright and sharp, with very cold wind.
9	—	—	34·3	—	—	—	1·5	—	·168	—	85	—	—	—	—	—		
10	29·67	29·68	34·0	33·9	29·0	35·0	0·7	0·8	·182	·179	92	91	NE 3	NE 1	7	2		Bright and frosty. ≋0 (mist) 9*p*.
11	·65	·59	29·9	32·8	29·2	34·0	0·0	0·9	·166	·167	100	90	NE 1	—	10	—		Overcast and sharp, with ≋0 (mist).
12	·33	·18	31·5	32·9	25·3	35·2	0·6	0·1	·162	·185	92	99	E 3	E 4	9	2		Cold wind.
13	29·11	29·20	35·0	33·4	27·5	—	2·0	—	·166	—	80	—	E 2	E 1	2	2		Bright and sharp.
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		⚹ ●
16	29·02	29·13	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Stormy.
17	·12	·32	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Stormy.
18	·45	·57	—	—	—	—	—	—	—	—	—	—	—	—	—	—		East wind.
19	·62	29·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	·205	Dull day.
20	29·50	—	34·7	—	—	—	1·0	—	·181	—	91	—	E 1	—	10	—		⚹ early *a.* Dull day.
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Bright and warm.
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Dull day.
23	30·03	29·97	—	—	—	—	—	—	—	—	—	—	—	—	—	—		≋0 (mist).
24	29·98	29·88	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Bright and warm.
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Dull day.
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	29·88	29·88	33·9	—	—	—	2·0	—	·156	—	80	—	NNE 2	—	8	—		Bright, with cool wind.
28	29·89	29·69	32·9	—	—	—	1·0	—	·166	—	89	—	NW 1	—	6	—		Bright and sharp.
Mean	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

NOTE.—Observations interrupted owing to the illness of the Observer.

CARMARTHEN.—FEBRUARY 1890.

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	30·08	29·85	45·8	44·9	43·4	48·3	0·3	0·5	·302	·286	98	96	SW 1	SW 2	10	10	·170	Dull day.
2	·02	30·21	46·8	36·3	35·8	48·0	4·1	1·7	·230	·181	72	85	N 1	Calm 0	0	0	—	Very fine.
3	·26	30·09	34·9	35·9	26·0	49·2	2·8	0·3	·151	·205	74	97	E 1	Calm 0	0	9	—	⌙. Very fine.
4	30·00	29·89	35·9	38·6	31·1	42·9	0·3	0·2	·205	·230	98	98	E 1	N 1	10	10	—	Dull, with ≋0 ∞.
5	29·99	30·04	43·4	35·9	31·1	49·0	3·2	1·8	·215	·176	76	84	N 1	Calm 0	5	0	—	Very fine.
6	30·08	·10	27·9	36·4	25·5	44·8	0·2	1·8	·146	·180	96	84	Calm 0	N 2	0	0	—	⌙. Fine day.
7	·19	·19	42·7	36·9	34·7	47·0	3·6	2·3	·202	·176	74	81	E 1	E 2	6	0	—	⌙. Fine day.
8	·14	30·03	37·9	35·6	30·5	47·7	4·2	4·0	·153	·139	68	65	E 4	E 3	0	5	—	Fine day.
9	30·00	29·94	36·5	33·9	31·5	43·5	2·3	1·8	·174	·159	80	81	E 2	E 2	7	5	—	Fine day.
10	29·99	30·01	34·9	39·9	32·9	44·2	2·3	2·4	·159	·199	78	81	E 2	E 3	8	7	—	Fair, but with cold wind.
11	30·01	29·82	42·1	35·5	32·5	49·7	3·6	2·1	·196	·168	74	81	E 1	E 1	0	0	—	Fog in valley. Fine day.
12	29·60	·40	39·5	34·9	33·1	43·4	3·4	3·3	·179	·143	73	70	E 4	E 3	6	0	—	Fine, but with cold wind.
13	·38	·54	36·9	33·9	*30·0*	*40·0*	4·9	2·3	·135	·151	62	77	*SE 4*	*E 3*	7	6	—	Fine, but with cold wind.
14	·70	·63	33·9	34·9	*31·0*	*42·0*	2·2	2·9	·152	·149	77	73	*Calm 0*	*E 2*	4	10	—	
15	·45	·39	38·9	35·1	*32·0*	*42·0*	2·3	0·5	·193	·194	83	95	*NE 2*	*NW 3*	10	7	·050	
16	·35	·38	41·3	43·1	*33·0*	49·4	1·8	1·4	·222	·247	87	89	SE 5	*SE 4*	10	10	·450	
17	·44	·62	44·1	43·6	39·8	52·4	0·8	1·5	·271	·250	93	88	SE 1	E 2	10	10	·050	Fine and warm.
18	·76	·85	46·3	44·9	42·5	54·7	2·8	2·9	·250	·235	81	79	E 2	NE 4	5	0	—	Fine day.
19	·85	·90	42·7	43·9	38·9	50·4	2·7	1·2	·218	·260	80	91	E 2	E 1	8	10	·350	● after dark.
20	·85	29·83	38·9	41·9	36·2	49·1	0·7	2·1	·223	·222	95	85	E 1	E 1	5	7	·030	
21	29·95	30·06	41·4	41·6	38·3	50·6	0·4	0·6	·252	·250	97	95	Calm 0	E 1	10	8	·090	≋9*a*.
22	30·27	·38	39·9	41·2	33·6	51·6	0·9	1·0	·228	·237	93	93	E 2	Calm 0	8	10	—	Dull day.
23	·49	·45	41·9	38·1	33·0	49·0	2·9	2·5	·207	·182	79	79	Calm 0	Calm 0	0	0	—	Fine day.
24	·44	·31	36·1	44·1	30·5	50·8	1·5	2·1	·184	·242	86	84	Calm 0	E 1	10	10	—	
25	·30	·15	42·4	41·1	36·9	55·3	4·3	2·6	·186	·206	70	80	E 4	N 2	0	0	—	Fine day.
26	·14	·24	41·9	41·9	34·9	46·3	2·6	4·8	·213	·175	81	67	NE 1	N 6	10	10	—	Dull day.
27	·31	·24	39·9	31·9	30·6	42·3	5·7	2·5	·146	·127	59	70	N 4	N 2	6	0	—	Fine, but cold.
28	30·30	30·13	42·7	33·9	25·0	42·7	6·9	2·3	·150	·151	55	77	N 1	NW 1	0	10	—	Fine day.
Mean	29·976	29·952	39·9	38·6	33·5	47·5	2·6	2·0	·198	·197	80·0	83·0	1·7	1·9	5·5	5·5	1·190	

MARGATE.—FEBRUARY 1890.

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	30·23	30·11	41·1	42·0	39·5	44·1	0·0	2·3	·258	·218	100	83	SW 3	SW 3	10	10	—	Very dull.
2	·05	·29	43·0	42·2	40·4	47·8	1·5	2·2	·244	·221	88	84	SSW 3	S 1	9	1	—	Dull *a.* Fine *p.* ⋃⊃
3	·37	30·27	32·8	34·8	30·8	46·8	0·1	0·7	·184	·188	99	93	Calm 0	S 1	9	0	—	⌙ *a.* Fine and bright. ⋃
4	30·11	29·96	35·0	40·9	30·8	43·6	0·0	1·8	·204	·218	100	86	Calm 0	N 2	8	10	—	⌙ *a.* Fine and bright.
5	29·96	30·03	40·8	41·2	37·6	42·3	0·9	0·5	·236	·248	93	97	N 2	NNE 4	10	10	·240	● 2 in evening.
6	30·12	·20	39·0	40·0	38·0	41·5	3·0	3·1	·181	·187	77	75	E 4	E 3	10	8	—	
7	·32	·32	38·6	38·3	36·0	40·0	2·6	2·5	·185	·184	79	79	E 3	E 3	5	2	—	
8	·33	·24	36·1	37·0	34·0	39·8	3·1	1·8	·156	·186	73	85	E 2	NE 3	3	4	—	⌙ *a.* Bright and sunny.
9	·14	·10	35·0	35·8	33·0	39·0	2·0	2·3	·166	·167	80	80	E 2	E 3	8	0	—	Very cold day.
10	·21	·27	35·9	36·4	33·4	42·1	2·1	0·7	·172	·201	83	94	E 2	E 1	2	0	—	⌙ *a.* Fine, but cold. ⊃2 *p.*
11	30·22	30·07	37·7	39·1	33·3	41·8	2·7	2·8	·176	·185	77	78	ESE 1	E 3	0	0	—	⌙ *a.* Very bright and sunny.
12	29·92	29·72	38·8	35·0	29·3	39·2	2·0	4·0	·196	·133	84	65	SE 2	E 2	4	0	—	⌙ *a.* Bright, but cold.
13	·64	·73	35·0	37·8	33·0	38·8	3·2	1·0	·145	·207	71	92	SE 2	SE 1	0	10	·020	⌙0 *a.* Sunny.
14	·76	·79	41·0	40·9	36·8	42·6	1·0	1·1	·235	·232	92	91	S 3	N 1	7	10	·380	Very dull.
15	·42	·41	40·5	36·8	36·0	43·2	1·8	1·0	·215	·199	86	92	W 3	SW 4	10	10	·060	● all day.
16	·68	·78	41·1	41·9	34·2	46·3	1·4	2·6	·228	·213	89	81	SSW 3	SSW 3	2	9	—	Bright and sunny.
17	29·79	29·93	40·6	43·5	37·7	45·6	2·4	1·5	·205	·249	82	88	SSE 3	E 3	10	5	—	Bright day. ⊃ 9*p.*
18	30·04	30·13	40·7	41·6	38·8	44·4	0·9	1·4	·235	·233	92	90	SE 3	E 3	3	0	—	Bright day.
19	·20	30·14	38·1	39·1	36·0	41·8	1·9	1·8	·193	·204	84	85	SE 3	E 2	2	0	—	Fine, but cold.
20	·03	29·94	37·0	39·1	35·0	39·8	1·7	0·1	·187	·237	85	99	E 1	Calm 0	7	10	·080	▲ ●
21	·07	30·14	34·8	37·0	*33·0*	40·0	0·1	0·3	·199	·214	99	97	N 1	N 1	10	10	—	≋ *a.*
22	·34	·48	40·7	38·8	36·2	41·8	2·7	1·6	·200	·204	79	87	E 2	SE 2	10	10	—	Dull day.
23	·55	·54	37·4	37·1	35·0	39·8	3·2	3·1	·164	·164	73	74	E 3	SE 3	8	0	—	Cold and bright.
24	·48	·41	39·7	40·3	36·5	42·8	1·6	0·1	·212	·248	87	99	NE 1	E 2	10	10	·020	Fine day. ● in evening.
25	·38	·18	39·5	40·0	35·2	41·1	1·1	2·0	·220	·207	91	84	E 2	E 2	2	10	—	Dull day. ⁄ in afternoon.
26	·16	·26	38·8	39·5	36·8	41·8	2·8	4·5	·183	·160	78	66	SE 2	NE 3	10	10	·010	Dull day
27	·30	·19	37·0	34·8	33·0	40·7	3·6	2·6	·155	·153	71	75	NE 2	N 2	10	0	·020	⚹ *p.*
28	30·25	30·16	34·0	34·4	31·3	37·6	0·2	1·9	·191	·160	98	81	N 3	NNW 1	4	9	—	⌙0 *a.* ⚹0.
Mean	30·109	30·099	38·2	38·8	35·0	42·0	1·8	1·8	·197	·201	85·4	85·0	2·2	2·2	6·5	5·6	0·830	

SOUTHAMPTON.—FEBRUARY 1890.

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	30·24	30·10	46·7	46·8	46·0	50·2	0·7	0·7	·302	·303	95	95	W 0·5	SW 1·5	10	10	·006	≋0 *a.* Day dull and mild.
2	·09	·33	43·0	38·1	37·9	48·2	0·7	1·4	·270	·202	93	88	SW 0·5	NNE 2	10	4	—	≋0 *a.* Beautiful *p.* ⋃⊃ *p.*
3	·40	·28	29·3	33·3	27·5	46·7	0·2	0·4	·157	·182	97	96	NW 0·5	Calm 0	0	0	—	⌙ *a.* and *p.* Beautiful day. ≋0 *n.*
4	·13	·00	30·0	36·8	27·9	44·9	0·2	1·4	·161	·192	97	89	N 0·2	N 0·1	0	10	—	⌙ ≋ *a.* Beautiful day.
5	·02	·11	39·7	37·9	36·1	44·6	0·7	1·2	·230	·205	94	90	NW 1	NNE 2·5	10	0	—	Fine from 1*p.* ⌙0 9*p.*
6	·14	·20	35·3	37·0	32·4	42·2	1·3	1·2	·181	·196	88	89	NE 1	NE 2	8	10	—	⚹0 8*a.* Beautiful day, but cold.
7	·29	·31	37·7	34·5	34·1	44·9	1·9	1·2	·190	·176	83	87	E 1·5	E 1	9	1	—	Beautiful day. ⌙ 9*p.*
8	·39	·22	31·7	32·8	28·9	42·3	1·0	1·5	·156	·155	87	83	ENE 2	NE 1	0	1	—	⌙2 *a.* Beautiful day. ⌙0 *n.*
9	·12	·07	34·9	33·3	31·6	42·6	0·7	1·5	·189	·160	93	84	NE 1	E 2	10	9	—	Beautiful day, but cold.
10	·16	·22	37·7	36·2	32·1	45·4	2·2	1·0	·185	·195	81	91	SE 1	E 1	8	0	—	Beautiful day. ~9*p.*
11	30·19	30·02	31·4	35·9	29·5	43·7	0·2	1·5	·173	·184	97	87	NE 1	ESE 2	0	10	—	⌙2 *a.* Beautiful day.
12	29·86	29·66	36·5	35·0	31·0	41·7	2·2	2·2	·175	·160	81	79	SE 2	SE 3·5	8	8	—	⌙0 early *a.* Beautiful day, but with
13	·58	·63	33·2	37·7	29·3	41·0	1·3	0·5	·163	·216	86	96	E 1	E 3	9	10	·048	● from 6*p.* [cold wind.
14	·81	·73	36·2	38·6	34·7	41·6	0·7	0·8	·201	·219	94	94	NW 1	E 1	10	10	·448	Overcast and cold. ● from 11*p.*
15	·42	·55	33·8	37·8	33·2	39·9	0·3	0·8	·188	·210	97	93	NNE 3	W 2	10	0	·155	⚹ and ⚹ ● (sleet) till 11*a.*, then ●
16	·63	·65	41·1	44·7	33·9	48·6	1·1	2·7	·234	·236	91	80	S 2	SE 3	10	10	—	Fine and pleasant from 10*a.* [till 4*p.*
17	·68	29·82	44·3	45·0	42·7	47·7	1·3	1·1	·261	·273	90	91	SE 2	SE 3	10	0	·011	● 2*p.*–4*p.*
18	29·96	30·05	44·2	43·9	39·9	53·1	1·5	1·5	·257	·254	89	88	NE 1	SE 1	5	0	—	Beautiful day. ⊃0 *n.*
19	30·10	·09	41·3	40·7	38·8	51·4	2·0	1·3	·219	·226	84	89	E 1·5	E 2	10	0	·044	Beautiful day. ⊃0 *n.*
20	·01	·02	39·1	40·6	38·7	43·9	0·3	0·6	·233	·240	97	95	NE 1	NE 1	10	10	·014	● 6*a.*–10.30*a.*
21	·09	·20	37·9	41·9	36·0	46·7	0·4	0·6	·219	·253	97	95	NW 1	SSE 0·5	10	10	—	≋ *a.* Day dull.
22	·37	·50	39·9	39·7	39·1	47·6	1·0	1·9	·226	·207	92	84	NE 1	NE 1	10	0	—	Dull *a.* Beautiful *p.*
23	·60	·57	37·7	33·7	30·3	43·5	2·5	0·8	·180	·178	79	92	NE 1	NE 1	2	0	—	Beautiful day, but cold. ⌙ *n.*
24	·51	·42	34·0	41·9	29·8	42·5	0·7	1·0	·182	·246	92	93	NE 1	NE 1·5	10	10	—	
25	·42	·21	40·2	40·0	35·6	41·9	2·4	1·7	·201	·213	81	86	NE 1	NNE 4	0	9	—	Beautiful day, but with cold wind.
26	·21	·30	38·4	39·3	37·5	39·7	1·6	3·5	·200	·176	87	74	NE 1	NE 5	10	10	—	Dull and very cold all day. ⁄ *p.*
27	·37	·29	37·7	33·1	31·6	39·4	2·5	2·2	·180	·144	79	77	NW 1	N 2·5	6	0	—	Beautiful day, but cold.
28	30·37	30·24	34·6	30·0	27·4	42·2	2·4	1·5	·155	·128	77	76	NE 1·5	NW 1	0	0	—	⌙ *a.* Beautiful day, but cold. ⚹0
Mean	30·109	30·100	37·4	38·1	34·1	44·6	1·2	1·3	·202	·205	89·3	87·9	1·2	1·8	7·0	5·1	0·726	

BABBACOMBE.—FEBRUARY 1890.

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	29·99	29·85	46·1	43·9	43·8	47·8	0·2	0·3	·307	·279	98	95	WSW 1	SW 2	10	9	·010	Dull with ● ≋0. ⊔ ⌓2 p.
2	29·85	30·09	44·5	39·1	38·8	51·0	1·2	3·3	·266	·176	90	75	N 3	N 3	10	6	—	⊔ 6p.—10p.
3	30·15	30·02	38·0	32·7	29·2	48·5	2·4	0·8	·183	·168	80	91	Calm 0	NNW 1	1	0	—	[└p.
4	29·87	29·78	32·6	33·9	27·1	40·5	0·6	0·8	·172	·179	93	91	NW 1	NNW 2	9	5	—	≋ └2 a. ⌓2 ≋2 (mist) p. Fine day.
5	·81	·89	42·0	40·0	33·5	47·1	2·0	1·8	·225	·211	85	86	NNE 4	NNE 3	10	0	—	≋ └2 a. ⌓2 ≋2 (mist) p.
6	29·89	29·91	35·1	40·0	34·2	42·1	1·8	3·6	·170	·179	82	72	NE 3	E 5	8	10	—	Dull a. ≋0 (mist). ⌓0 p.
7	30·01	30·01	38·8	38·7	38·4	41·9	3·0	2·5	·179	·187	77	81	E 5	ENE 5	10	7	—	└0 ≋0 (mist) a. Dull p.
8	29·97	29·91	36·0	39·9	35·8	40·0	1·9	2·6	·176	·195	83	79	ENE 5	ESE 5	10	9	—	≋0 (mist) 4p.—8p. Squally p.
9	·84	·78	37·0	37·0	36·5	40·1	1·8	2·1	·186	·180	85	82	E 4	NE 3	9	8	·020	Dull, with ≋0 (mist) till 3p. Squally.
10	·83	·92	38·7	44·0	35·5	44·3	2·8	1·0	·182	·265	78	92	SE 3	ESE 3	8	1	—	▲0 7a. ⌓ ≋0 (mist) p.
11	·90	·72	42·0	40·9	40·2	44·1	0·1	3·1	·265	·195	99	77	E 3	ESE 3	9	9	—	⌓2 n. ≋2 (mist) till 6p.
12	·52	·29	40·5	40·0	38·3	42·8	3·0	4·1	·193	·171	77	68	ESE 4	SE 6	4	4	—	≋0 (mist) a. ⊕ 3p. Squally p.
13	·26	·44	38·6	35·3	35·2	40·0	2·6	0·3	·185	·199	79	97	SE 3	NW 1	10	8	·140	Dull, with ● . ≈ ≋0 (mist) p.
14	·59	·46	34·6	37·8	31·7	40·7	0·6	1·1	·188	·205	94	91	NNE 1	NE 3	9	10	·200	└ a. ⊕0 9a.—2p. ≋0 (mist) p.
15	·29	·36	36·3	36·0	35·3	42·3	0·4	1·3	·206	·186	97	88	NNW 4	SW 3	10	1	·010	⊕0 noon. ≋0 (mist) ● a. ⌓
16	·30	·31	44·5	42·9	34·0	44·5	1·8	1·0	·253	·254	87	92	SSE 4	SSE 5	10	10	·720	└n. ● 9a.—10p.
17	·35	·51	47·9	46·3	42·2	50·6	2·0	0·8	·285	·295	86	95	SSE 4	ESE 2	3	10	·010	●0 ▲0 7p. ≺ 9p.
18	·64	·71	45·0	44·8	44·0	47·8	0·2	0·8	·205	·278	98	94	E 3	E 3	10	1	—	Dull till 2p. ≋0 (mist). ⌓p.
19	·75	·80	45·6	44·0	44·0	47·8	1·1	0·1	·279	·286	92	99	ESE 4	ENE 2	9	10	·270	Great gloom 5p.—6p. ⌓2 n.
20	·74	·76	42·8	43·9	41·5	48·1	0·2	0·2	·271	·283	99	99	NE 1	E 1	10	10	·050	≋0 till 9a. ≋2 (mist) till noon. ⌓2
21	29·83	29·95	43·3	43·3	41·5	47·4	0·3	0·5	·273	·269	98	96	WNW 1	Calm 0	10	10	·010	≋ a. and p. Dull day. ⌓p. [p.
22	30·11	30·25	42·4	38·9	37·8	43·5	1·5	1·1	·238	·214	88	92	ENE 1	NNE 2	5	1	—	⌓n. and p. ≋0 (mist).
23	·31	·28	36·1	38·3	35·4	42·6	2·1	1·8	·172	·196	81	85	ENE 5	ENE 5	5	4	—	
24	·22	30·13	38·8	42·9	35·4	44·0	2·0	1·2	·197	·250	84	91	ENE 4	E 4	3	10	—	Dull from 6p.
25	30·14	29·99	38·3	41·8	38·2	49·5	2·0	1·7	·193	·229	83	87	ENE 5	NE 3	9	0	—	≋0 (mist) from 4p.
26	29·94	30·05	40·4	41·7	39·2	43·0	1·6	2·1	·218	·220	87	85	NE 4	NE 6	10	10	·010	Squally ⌿ (gale) late p.
27	30·14	·08	36·9	33·6	33·5	41·8	3·1	3·5	·162	·126	75	66	NE 4	NNE 4	9	0	—	Squally ⌿ (gale) early a. ✳0 5p.
28	30·15	30·02	34·9	30·2	29·5	44·1	3·2	2·3	·144	·112	70	67	NNE 3	NW 1	0	1	—	└0 n. Fine day. ≋0 (mist) from [5p.
Mean	29·835	29·831	39·9	39·7	36·8	44·6	1·6	1·6	·217	·214	86·6	86·3	3·1	3·1	7·9	5·9	1·450	

LONDONDERRY.—FEBRUARY 1890.

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	29·84	46·7	42·7	42·0	49·2	1·7	1·2	·279	·248	88	90	SW 2	W 2	10	10	·120	● during day.
2	30·05	30·23	36·2	44·4	34·0	45·1	1·5	1·4	·186	·260	87	89	SW 3	SW 2	0	10	·020	
3	·24	·08	44·7	45·0	43·5	47·0	1·0	1·8	·232	·257	92	86	SW 3	SW 3	10	10	·050	
4	·05	·13	42·7	36·7	35·6	45·4	1·0	1·2	·252	·195	92	90	SE 1	Calm 0	10	0	—	≋ a.
5	·20	·23	33·2	39·2	31·4	44·8	1·2	0·8	·165	·224	87	93	SW 2	NW 1	0	7	·010	
6	·25	·34	37·7	35·7	34·0	45·8	0·5	1·1	·216	·189	96	90	SW 2	Calm 0	10	0	—	
7	·42	·40	32·7	36·8	30·2	38·4	0·8	2·5	·170	·172	91	79	ESE 1	E 1	10	10	—	Overcast, with ≋.
8	·35	·19	32·2	37·2	29·8	47·2	0·5	2·3	·172	·178	94	80	E 2	E 1	0	1	—	Fine and clear.
9	·12	·16	37·7	31·9	30·5	41·9	1·8	0·2	·191	·177	84	97	E 2	E 1	10	0	·010	Fine and clear. ●0 at night.
10	·16	30·11	35·7	36·6	29·8	38·1	1·7	2·4	·178	·172	84	80	SE 1	SE 2	10	0	—	Fine day.
11	30·03	29·90	41·9	38·0	33·3	49·7	2·2	1·5	·221	·199	84	87	SE 2	SE 4	0	0	—	Fine and clear.
12	29·70	·54	39·2	36·0	34·0	40·2	2·5	2·3	·192	·170	80	80	SE 2	SE 2	10	0	—	Fine and clear.
13	·60	·67	34·6	34·7	30·8	43·3	2·9	2·7	·147	·150	73	74	SE 1	SE 2	1	0	—	Fine day.
14	·73	·73	32·2	36·5	30·0	40·0	0·8	1·5	·165	·188	90	87	NE 2	NE 1	10	0	·050	Fine till 1p. ✳ 1p.—5p.
15	·73	·54	32·0	37·1	29·0	41·0	0·5	0·6	·170	·209	94	95	S 1	NE 1	10	0	·010	Fine day. ●0 in evening.
16	·51	·46	35·2	40·7	32·2	44·6	0·5	1·0	·196	·233	95	92	NE 2	SE 2	6	10	·100	Fine day. ●0 in evening.
17	·61	29·80	41·5	42·7	39·0	42·7	1·3	1·4	·234	·244	90	88	SE 2	SE 2	10	6	·110	
18	29·93	30·02	42·8	42·7	40·8	44·8	1·1	2·0	·251	·231	92	84	SE 5	SE 4	10	10	—	Overcast and cold.
19	30·00	29·98	41·7	40·9	39·7	46·1	2·5	1·2	·213	·230	81	91	SE 2	SE 3	10	10	·090	● 6p.—8p.
20	29·89	29·88	41·2	41·9	39·6	43·4	1·5	1·2	·227	·240	89	91	SE 2	SW 2	10	10	·070	● in evening.
21	30·00	30·17	48·2	39·0	36·4	49·2	0·5	1·2	·325	·214	97	90	S 2	SE 1	4	0	—	Fine and clear.
22	·36	·53	39·7	47·1	32·6	51·3	1·0	1·2	·224	·295	92	91	SW 2	SE 1	10	10	—	
23	·66	·68	46·7	45·2	44·0	49·9	0·5	0·5	·307	·290	96	97	NW 2	NE 2	8	10	·020	●0 in evening.
24	·62	·57	45·3	42·2	42·0	50·0	0·8	0·5	·284	·258	94	96	NE 2	NW 2	10	10	—	≋0 (mist) 9p.
25	·58	·45	38·4	42·7	35·6	47·2	0·8	1·0	·216	·252	93	92	E 2	NE 1	10	10	—	≋0 (mist) a. Fine day.
26	·42	·60	43·2	36·7	35·0	48·2	2·1	2·0	·234	·180	84	83	NE 2	NE 1	10	9	—	
27	·58	·52	37·5	37·9	33·4	43·6	3·5	4·0	·161	·157	72	68	N 2	NE 2	10	10	—	
28	30·49	30·21	36·7	36·7	34·0	39·3	2·4	1·6	·173	·187	79	86	N 2	W 2	10	8	·080	⊔
Mean	30·114	30·104	39·2	39·5	35·1	44·9	1·4	1·5	·215	·214	88·2	87·4	2·0	1·7	7·8	5·8	0·740	

ARMAGH.—FEBRUARY 1890.

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.						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	29·85	29·72	46·1	42·6	42·5	48·8	1·3	0·3	·282	·207	91	97	SSW 3	SW 1	9	10	·115	
2	29·97	30·14	36·9	39·8	32·9	46·2	1·3	1·0	·194	·225	89	92	SW 2	SW 2	0	8	·002	└ a.
3	30·15	29·99	43·8	43·1	39·1	46·2	1·0	1·0	·264	·256	92	92	SSW 2	SSW 2	10	9	—	
4	29·89	29·99	42·5	35·6	34·3	43·5	0·5	0·2	·261	·204	96	99	SW 1	Calm 0	10	7	·057	
5	30·07	30·09	34·9	35·8	29·0	46·8	2·0	0·4	·163	·202	81	97	W 0·5	WSW 0·5	0	2	—	└ a.
6	·11	·21	35·0	33·4	30·0	43·2	0·1	0·0	·202	·191	99	100	Calm 0	Calm 0	10	10	·010	≋2 in evening.
7	·28	·26	35·9	38·7	32·8	40·2	0·0	0·9	·211	·218	100	93	Calm 0	Calm 0	10	10	·002	≋ a.
8	·20	·06	35·0	37·5	29·0	45·6	1·0	1·7	·184	·191	99	85	Calm 0	ESE 1	0	7	—	└ a.
9	·01	30·01	37·9	38·0	32·1	42·7	2·0	1·3	·190	·203	83	89	SE 0·5	SE 1	8	10	—	
10	30·02	29·98	36·8	37·0	35·0	38·6	2·0	1·3	·181	·195	83	89	ESE 1	SE 1	10	4	—	
11	29·95	·76	43·5	37·8	36·2	46·2	2·1	1·0	·237	·208	83	92	SSE 3	SE 3	8	3	·003	
12	·58	·40	39·6	36·6	36·0	40·7	2·6	2·0	·193	·180	79	83	SE 2	ESE 2	10	3	—	
13	·45	·55	35·4	36·6	33·0	38·6	0·4	1·8	·200	·183	96	85	E 1	SSE 1	10	10	—	
14	·61	·61	38·5	34·8	32·3	41·5	1·5	0·2	·203	·198	87	98	Calm 0	S 1	10	10	·160	Overcast all day.
15	·58	·38	35·1	37·0	31·4	42·0	0·4	0·1	·203	·218	99	99	Calm 0	Calm 0	10	10	·005	≋2 a.
16	·30	·32	33·7	42·0	32·1	43·5	0·1	0·6	·192	·254	99	95	Calm 0	SSE 2	10	10	·005	≋2 a.
17	·46	·66	41·0	41·7	39·2	45·5	1·5	0·9	·225	·246	88	93	E 3	ESE 1	10	7	·200	
18	·83	·88	43·0	41·5	40·0	44·5	1·2	1·5	·251	·230	90	88	E 2	E 4	10	10	·002	
19	·87	·85	42·0	41·0	39·5	44·7	2·2	0·9	·221	·237	84	93	ESE 5	SE 2	8	10	·116	
20	·77	29·75	41·8	43·0	40·0	45·5	0·3	2·0	·258	·234	98	84	SE 2	S 2	10	8	·073	
21	29·88	30·04	39·0	37·5	35·8	47·5	0·2	0·6	·234	·213	98	95	Calm 0	Calm 0	10	5	—	≋ before 9a.
22	30·24	·40	42·3	45·6	36·1	51·6	1·0	0·8	·249	·288	92	94	Calm 0	SSW 1	10	8	—	
23	·51	·50	45·8	45·0	41·7	50·1	0·8	0·2	·289	·294	94	98	Calm 0	SSW 1	10	10	·010	≋0 before 9a. Overcast all day.
24	·46	·42	41·5	39·8	39·0	48·5	0·0	0·3	·262	·259	100	98	Calm 0	E 0·5	10	5	—	≋ till 10a.
25	·41	·28	40·0	40·1	35·3	44·8	1·6	0·6	·215	·236	87	95	ENE 1	NE 1	10	10	—	
26	·27	·45	41·0	33·8	32·8	45·3	2·3	2·8	·210	·140	82	72	NE 1	NE 1	10	4	—	
27	·42	·36	35·4	34·8	28·4	41·5	2·5	1·9	·160	·164	77	82	Calm 0	N 1	10	10	—	
28	30·34	30·08	33·4	34·0	27·7	40·5	2·0	1·2	·151	·172	79	87	N 0·5	WNW 1	10	9	·065	
Mean	29·982	29·968	39·2	38·7	34·8	44·4	1·2	1·0	·217	·217	89·9	91·6	1·1	1·2	8·7	7·7	0·932	

MARKREE CASTLE, SLIGO.—FEBRUARY 1890.

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	29·90	29·81	46·1	41·3	40·3	48·8	1·1	1·6	·286	·227	92	88	S 3	WSW 0·5	10	10	·100	Overcast all day.
2	30·06	30·22	35·5	42·8	32·6	46·0	1·2	1·3	·185	·247	89	90	SSW 0·5	SW 2	4	10	·010	└
3	30·22	·05	44·1	44·2	42·1	47·2	0·8	0·9	·271	·270	93	93	SSE 0·5	S 1	10	10	·080	Overcast all day.
4	29·98	·07	42·2	31·1	30·4	45·2	0·4	0·2	·261	·169	96	97	NNW 0·5	Calm 0	10	2	·020	
5	30·15	·17	28·4	33·9	23·3	47·7	0·5	0·2	·141	·191	91	98	Calm 0	Calm 0	2	3	—	└2
6	·18	·26	28·1	33·0	25·3	44·9	0·0	0·5	·154	·177	100	94	Calm 0	Calm 0	10	3	—	≋ a. └
7	·32	·31	31·5	28·1	24·9	42·9	0·7	0·2	·161	·148	90	96	Calm 0	E 0·5	10	4	—	└ a. ≋ 9 p.
8	·26	·09	34·4	35·3	23·4	45·8	0·4	0·4	·191	·182	96	96	Calm 0	SE 0·5	10	9	—	≋ a. └
9	·06	30·06	31·2	29·1	28·2	40·2	0·7	0·5	·158	·146	90	91	ESE 1	SE 0·5	8	4	—	└
10	30·05	29·98	36·0	35·4	24·1	36·7	1·7	1·3	·180	·182	85	88	SE 1	SE 2	10	10	—	Overcast all day.
11	29·93	·76	41·1	36·9	34·4	47·0	1·0	1·0	·236	·200	92	92	SE 3	SE 3	8	6	—	
12	·51	·39	39·0	36·5	33·3	43·5	2·2	1·9	·195	·181	83	83	SE 5	ESE 5	6	10	—	
13	·48	·59	35·1	35·8	31·1	40·9	1·8	0·5	·169	·201	82	96	SE 2	S 1	8	10	—	
14	·63	·64	35·4	33·1	32·7	41·1	0·1	0·2	·206	·185	99	98	SSE 2	SSE 1	10	6	·060	
15	·64	·50	30·9	31·2	28·5	36·8	0·4	0·0	·164	·176	94	100	Calm 0	SE 1	10	10	—	└ ≋
16	·35	·32	27·2	41·9	24·4	42·1	0·0	0·5	·148	·255	100	96	Calm 0	SE 2	10	10	·140	≋ a. └
17	·48	·64	41·4	43·0	35·4	45·2	0·5	1·2	·251	·251	96	90	ESE 2	ESE 3	10	8	·030	
18	·82	·87	45·1	43·7	41·3	47·9	1·3	1·4	·270	·254	90	88	SE 3	ESE 3	10	10	—	Overcast all day.
19	·83	·82	45·1	44·9	41·6	47·3	2·7	0·7	·240	·281	80	95	SE 4	SE 3	10	10	·010	Overcast all day.
20	·76	29·81	45·1	36·7	34·3	49·9	0·9	0·4	·279	·210	93	97	SSE 4	Calm 0	10	6	·010	
21	29·94	30·08	35·1	43·3	30·3	48·8	0·0	0·7	·206	·265	100	95	SSE 1	SE 1	6	10	—	
22	30·29	·48	44·0	44·4	42·2	51·1	0·1	0·2	·286	·288	99	99	SE 0·5	Calm 0	10	10	—	≋ a.
23	·59	·58	42·5	46·4	39·1	50·3	0·1	1·0	·270	·292	99	93	Calm 0	Calm 0	10	10	—	≋ a.
24	·54	·48	43·3	40·2	36·8	50·2	0·6	0·6	·267	·237	96	95	Calm 0	NNE 0·5	8	8	—	
25	·48	·36	41·2	34·4	32·2	49·9	1·7	0·1	·223	·197	87	99	ESE 1	Calm 0	9	9	—	≋ 9p.
26	·33	·51	43·1	37·2	31·0	45·8	1·9	2·6	·237	·173	85	78	NNE 1	E 1	9	3	—	≋ a.
27	·52	·46	32·0	36·5	25·1	41·2	1·5	2·2	·147	·175	81	81	Calm 0	NNE 0·5	10	10	—	Overcast all day.
28	30·43	30·19	35·1	36·5	31·1	40·8	1·6	1·1	·173	·195	84	91	Calm 0	WSW 0·5	10	10	—	Overcast all day.
Mean	30·025	30·017	37·8	37·7	33·1	45·2	0·9	0·8	·213	·213	91·5	92·8	1·3	1·2	8·9	7·9	0·460	

DUBLIN (PHŒNIX PARK).—FEBRUARY 1890.

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	30·00	29·82	45·5	43·3	42·6	51·4	1·6	0·4	·368	·272	88	97	SW 1	Calm 0	4	10	·160	● 0 p.
2	·09	30·28	34·6	38·4	32·1	44·9	0·7	1·1	·187	·210	94	91	W 1	WSW 1	1	1	—	Beautiful day.
3	·25	·12	43·3	43·5	37·7	49·0	1·3	2·0	·252	·240	90	84	Calm 0	SW 1	9	6	—	Cloudy a. Dull p.
4	·01	·05	42·3	39·9	39·7	47·2	0·9	0·4	·251	·238	93	97	Calm 0	Calm 0	8	6	·020	Cloudy, with ●0 showers.
5	·15	·18	32·5	31·7	28·3	44·9	1·0	0·8	·163	·160	88	90	Calm 0	Calm 0	0	1	·005	Beautiful day. ≈9 p.
6	·15	·23	34·1	37·2	29·7	45·4	0·4	2·1	·189	·182	96	82	Calm 0	Calm 0	1	6	—	Bright a. Cloudy p.
7	·29	·33	42·3	38·1	33·7	44·4	3·3	1·9	·304	·193	76	84	NE 1	Calm 0	8	5	—	Dull and cloudy.
8	·24	·10	33·6	40·7	26·4	47·0	0·2	3·2	·189	·192	97	76	Calm 0	SE 1	1	1	—	⊔. Beautiful day.
9	·09	·06	35·8	38·6	30·1	43·7	2·1	2·1	·172	·194	82	83	Calm 0	Calm 0	4	9	—	Cloudy a. Bright p.
10	·06	30·04	37·4	38·6	36·7	41·0	2·7	2·4	·174	·189	78	81	SE 1	SE 1	10	2	—	Dull a. Cloudy p.
11	30·01	29·87	41·9	38·4	37·9	45·5	1·4	1·5	·237	·202	90	88	SE 1	SE 1	9	2	—	Dull and cloudy a. Bright p.
12	29·58	·43	39·9	39·0	37·2	49·7	2·4	3·5	·260	·173	81	74	SE 3	ESE 2	4	2	—	Squally a. Dull and cloudy.
13	·48	·61	36·4	35·8	33·7	40·2	3·2	1·1	·157	·191	74	91	ESE 1	Calm 0	8	10	—	Dull a. Cloudy p.
14	·69	·70	33·7	33·3	26·7	42·4	0·5	0·4	·184	·182	94	96	Calm 0	Calm 0	8	5	·120	Dull, with ●0 showers.
15	·63	·44	29·5	34·8	29·1	35·3	0·2	0·1	·158	·200	97	99	Calm 0	SSW 1	10	10	—	⊔. Dull, with ≈0.
16	·38	·41	30·1	43·7	22·5	44·5	0·6	1·0	·151	·262	91	92	Calm 0	Calm 0	9	2	·160	Dull, with ●0 showers.
17	·49	·71	40·7	44·9	40·3	47·0	0·6	1·2	·241	·270	95	92	ESE 2	ESE 2	10	4	·145	Dull, with ●0 till 2p. Cloudy after-
18	·85	·95	45·8	43·1	42·5	48·6	1·3	0·6	·279	·265	91	95	ESE 1	Calm 0	10	4	—	Dull, with ≈9 a. Cloudy p. [noon.
19	·93	·93	44·3	44·7	42·4	47·2	1·4	1·0	·260	·273	89	93	E 2	ESE 1	7	10	·010	Cloudy a. Dull, with ●0 showers p.
20	·86	29·87	44·3	43·2	42·4	47·2	0·8	1·3	·273	·251	94	90	SE 1	S 1	4	2	—	
21	29·95	30·10	37·2	38·4	31·1	45·1	0·2	0·5	·218	·222	98	96	Calm 0	Calm 0	10	4	·010	Dull, with ●0 showers. [5p.
22	30·29	·48	43·3	41·3	37·9	50·4	0·4	0·3	·272	·253	97	98	Calm 0	Calm 0	10	10	·005	Dull, with ≈ a. Cloudy p. ≈2 from
23	·58	·58	42·1	44·7	38·3	51·6	0·2	0·3	·264	·288	98	97	Calm 0	Calm 0	8	10	·010	≈2 a. Dull and cloudy a. Bright p.
24	·54	·46	43·2	41·9	41·6	46·0	0·3	0·4	·273	·257	97	97	Calm 0	NE 1	10	2	—	Dull and cloudy.
25	·47	·35	42·5	35·6	33·5	45·9	1·5	0·2	·239	·204	88	99	E 1	Calm 0	6	1	—	
26	·28	·47	41·3	39·5	33·7	44·2	1·4	3·1	·231	·183	89	76	NE 1	NE 2	10	7	—	Dull day throughout.
27	·46	·39	35·4	36·3	34·9	39·9	2·9	2·3	·154	·172	74	80	NE 1	N 1	10	6	—	
28	30·42	30·21	35·0	34·0	32·5	38·5	3·3	0·3	·144	·190	70	97	NNE 1	Calm 0	6	1	—	
Mean	30·041	30·041	38·9	39·4	34·8	45·0	1·3	1·3	·214	·218	88·9	89·8	0·7		0·6		7·0	5·0	0·645	

PARSONSTOWN (BIRR CASTLE).—FEBRUARY 1890.

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	29·95	29·81	43·5	41·7	40·9	50·6	0·7	0·7	·267	·249	94	94	Calm 0	SW 1	5	10	·167	Mild day. ● in afternoon. ≈0 (mist)
2	30·07	30·24	33·9	37·9	31·1	45·7	0·8	1·0	·179	·207	91	91	Calm 0	Calm 0	0	10	—	⊔ a. Very fine. ∞ p. [9p.
3	30·23	·07	42·3	42·7	31·8	49·3	1·3	1·6	·242	·239	90	87	Calm 0	Calm 0	10	9	—	≈0 (mist) a. and p. Day mild.
4	29·96	·01	40·7	36·9	35·7	44·6	0·9	0·9	·235	·201	92	92	Calm 0	Calm 0	8	5	—	≈0 (mist) a. and p. Dull and cool.
5	30·12	·13	27·9	30·1	24·6	44·2	1·0	0·3	·122	·160	79	96	Calm 0	Calm 0	1	0	—	⊔ ∞ a. Very fine. ≈ ⊔ p.
6	·12	·19	33·4	31·3	26·0	45·7	0·5	0·5	·181	·164	95	93	Calm 0	Calm 0	1	0	—	≈ ⊔ n. Very fine, but cool. ∞ p.
7	·24	·26	37·7	30·8	29·7	43·8	0·7	0·7	·212	·155	94	90	Calm 0	Calm 0	10	0	—	≈0 a. Dull and cool. ∞2 ⊔ p.
8	·18	·03	29·8	34·6	22·4	45·0	2·1	2·2	·113	·158	68	78	Calm 0	Calm 0	0	1	—	⊔2 ∞2 a. Very bright, but cool.
9	30·00	30·01	36·7	33·6	30·6	39·8	2·1	1·3	·178	·166	82	86	SE 1	Calm 0	9	10	—	≈ a. Dull and cold.
10	29·99	29·91	36·6	38·5	31·9	38·8	1·7	2·5	·184	·186	85	80	Calm 0	SE 3	10	4	·044	≈0 a.
11	·91	·74	43·7	39·8	37·8	49·1	1·6	2·0	·249	·205	87	84	SE 2	SE 3	8	4	—	Bright and cool. ∞ p.
12	·47	·32	40·1	39·1	37·9	43·3	2·2	2·4	·204	·193	82	81	SE 3	E 4	1	10	—	Cold and windy. ∞ p.
13	·40	·58	35·9	33·8	33·2	39·7	2·2	0·5	·171	·184	81	94	ESE 1	Calm 0	10	10	·089	✳0 a. Dull and cold. ● in after-
14	·60	·65	37·3	31·9	29·4	42·0	0·6	0·3	·211	·174	95	96	Calm 0	Calm 0	10	0	·075	● ≈0 (mist) a. [noon.
15	·60	·40	31·9	31·5	26·7	42·6	0·2	0·4	·177	·169	97	95	Calm 0	Calm 0	0	10	—	⊔ ≈0 a. Bright and cold. ≈ 8p.
16	·26	·31	32·7	37·9	24·1	45·2	0·8	0·7	·170	·213	91	94	Calm 0	Calm 0	8	3	·080	≈ ⊔ n. Cold, with ✳0 a., then ●0.
17	·38	·56	42·0	42·6	34·9	48·7	2·0	1·7	·225	·236	85	86	SE 1	ESE 2	10	2	·115	Cool, with ● showers.
18	·74	·80	44·9	44·6	41·3	48·7	1·1	2·4	·272	·241	92	82	ESE 2	E 4	10	10	—	Dull, with ≈0 (mist). Squally p.
19	·76	·80	44·8	45·8	42·9	46·9	2·4	1·2	·243	·280	82	91	ESE 3	SSE 1	8	10	·070	Dull day. ● 2p.—3p.
20	·75	29·80	46·5	38·6	38·4	52·8	1·3	0·7	·286	·220	91	94	SE 1	Calm 0	3	0	·051	▲ ● a. Day fine and mild.
21	29·90	30·02	39·5	44·8	33·6	46·4	0·6	0·9	·230	·276	95	93	Calm 0	S 2	10	10	·119	●2 a. ∞ p.
22	30·25	·42	44·9	45·3	41·3	52·6	0·1	0·7	·295	·289	99	95	Calm 0	Calm 0	10	10	—	≈0 (mist) a. ∞ p.
23	·53	·52	44·7	45·1	40·9	52·7	0·8	1·0	·277	·276	93	92	Calm 0	Calm 0	10	10	—	Dull and mild. ∞0
24	·46	·40	43·9	44·6	40·0	50·1	1·5	1·5	·253	·260	88	89	NE 1	Calm 0	9	10	—	Fine and mild. ∞
25	·40	·31	40·6	35·3	35·0	50·7	1·6	0·5	·219	·197	87	95	Calm 0	Calm 0	1	0	—	Very bright, but cool. ∞ p.
26	·26	·40	42·0	40·7	33·8	43·9	2·2	3·0	·221	·195	84	77	E 1	NE 1	10	9	—	Day dull and mild. ∞ p.
27	·48	·38	35·3	34·9	33·6	41·0	3·2	2·2	·148	·162	71	79	ENE 1	N 1	10	10	—	Dull, with ✳0. Very cold day.
28	30·39	30·19	33·7	35·4	30·5	39·8	1·9	2·4	·156	·162	80	78	Calm 0	WNW 2	10	10	—	Dull and cool. ∞
Mean	29·976	29·974	38·8	38·2	33·6	45·7	1·4	1·3	·211	·208	87·5	88·6	0·6		0·9		6·9	6·3	0·810	

SWANBISTER.—MARCH 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 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.	°	°	°	°	°	°	ins.	ins.	%	%					ins.	
1	30·01	30·12	28·8	27·5	26·0	—	0·2	1·0	·153	·121	97	81	N 1	N 1	—	—	—	
2	·22	30·28	32·8	34·0	25·0	—	1·2	1·5	·162	·166	87	84	SSW 1	SW 2	—	—	·020	
3	30·19	29·98	39·8	43·8	32·0	—	0·6	2·8	·232	·226	96	78	WSW 5	WSW 5	—	—	·090	
4	29·35	·35	46·5	32·0	32·0	—	1·3	0·0	·286	·182	91	100	WSW 8	NW 4	—	—	·120	
5	·51	·29	32·6	33·5	28·0	—	2·2	0·3	·140	·186	75	97	NW 3	WNW 1	—	—	·440	
6	·15	·04	41·2	37·2	29·0	—	3·8	1·2	·186	·198	72	89	NW 7	WNW 4	—	—	·130	
7	·07	·02	33·8	32·0	29·0	—	0·2	1·2	·190	·153	98	85	NW 6	NW 3	—	—	—	
8	·00	·14	31·2	28·8	25·0	—	0·0	1·0	·176	·129	100	82	NW 1	NNW 4	—	—	·030	
9	·43	·62	25·4	28·2	23·0	—	0·4	0·0	·124	·154	90	100	NW 4	Calm 0	—	—	·120	
10	·32	·10	43·5	49·0	27·0	—	1·7	1·0	·246	·322	87	93	W 5	WSW 8	—	—	·630	
11	·30	·60	42·2	41·0	36·0	—	3·2	2·8	·205	·201	77	78	W 5	W 1	—	—	·410	
12	·31	·46	50·5	44·6	36·0	—	4·0	2·2	·271	·245	74	83	WSW 9	WSW 5	—	—	·270	
13	·20	·25	45·2	39·0	38·0	—	1·8	2·8	·260	·185	87	78	SSW 4	SW 6	—	—	·090	
14	29·36	·22	39·5	42·0	36·0	—	2·0	3·2	·204	·204	84	77	SSW 4	S 6	—	—	—	
15	28·97	29·02	43·5	42·5	40·0	—	2·3	1·0	·233	·251	82	92	SSE 8	S 1	—	—	·050	Instruments, except anemometer, removed half-a-mile to the north-
16	·96	28·91	44·5	44·4	42·0	—	1·5	0·9	·259	·272	89	93	SSE 6	SE 6	—	—	·380	ward, and to a higher level than
17	28·98	29·06	40·0	38·8	37·0	—	1·2	1·8	·222	·201	90	85	NW 3	NW 1	—	—	·110	formerly. The height given is
18	29·26	·47	41·8	41·0	32·0	—	2·8	1·0	·209	·235	79	92	SSE 3	SSE 4	—	—	—	that of the new position.
19	·60	·62	42·5	39·2	36·0	—	2·5	1·2	·220	·216	82	90	SSE 1	NNW 3	—	—	·050	
20	·51	·36	42·0	42·5	38·0	—	0·8	0·7	·249	·257	94	94	NNE 4	ESE 4	—	—	·480	
21	·37	·40	41·0	42·0	40·0	—	1·2	0·6	·231	·254	90	95	ESE 5	SE 3	—	—	·210	
22	·36	·25	42·0	42·8	40·0	—	0·8	1·0	·249	·253	94	92	SSE 4	SSE 3	—	—	—	
23	·30	·39	43·8	39·0	36·0	—	3·8	1·8	·207	·203	72	86	SSW 3	SW 1	—	—	—	
24	·29	·16	42·6	42·0	36·0	—	1·6	0·8	·238	·249	87	94	SE 3	ESE 3	—	—	—	
25	·24	·25	43·2	41·4	39·0	—	3·8	1·2	·202	·235	73	91	ESE 3	SE 3	—	—	·110	
26	·02	·29	45·0	43·8	39·0	—	2·4	2·6	·245	·230	82	80	SSW 3	WSW 5	—	—	·040	
27	·25	·54	47·8	45·0	39·0	—	3·0	3·0	·261	·233	79	78	WSW 6	W 4	—	—	—	
28	·64	·64	43·5	40·6	37·0	—	2·0	1·4	·240	·223	85	89	SW 2	Calm 0	—	—	·010	
29	·47	·40	45·6	43·8	36·0	—	3·4	1·6	·232	·250	76	88	SSW 2	WNW 4	—	—	·260	
30	29·56	29·96	41·2	38·8	37·0	—	0·2	2·3	·255	·192	98	82	NW 5	NNW 2	—	—	·110	
31	30·13	30·11	40·0	38·2	35·0	—	3·6	3·2	·179	·171	72	74	N 1	SE 2	—	—	—	
Mean	29·398	29·428	40·7	39·3	34·2	—	1·9	1·5	·218	·213	85·1	87·1	4·0	3·2	—	—	4·160	

DUNROBIN CASTLE.—MARCH 1890.

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	30·17	30·32	36·8	40·4	29·3	40·4	1·3	3·3	·194	·187	90	75	NW	N	—	—	—	Clear and frosty.
2	·41	·46	38·6	28·5	28·3	50·0	0·3	0·2	·228	·151	97	96	W	N	—	—	—	Clear and frosty.
3	30·41	30·15	38·6	40·6	28·0	50·0	0·9	2·1	·217	·211	93	84	N	N	—	—	·040	Clear and frosty.
4	29·65	29·68	49·0	38·9	32·7	49·0	3·3	0·9	·270	·219	77	93	SE	NE	—	—	·200	Dull, with ✓ (gale) ● showers.
5	·76	·47	37·6	42·6	36·7	52·3	4·8	2·3	·142	·225	64	83	E	N	—	—	·670	●9 showers.
6	·46	·34	44·9	39·6	39·6	49·7	4·2	0·6	·211	·231	70	95	N	NE	—	—	·300	Fine a. Dull p.
7	·35	·28	36·3	28·5	24·7	52·0	1·8	2·7	·181	·088	85	57	W	W	—	—	·500	● showers. ✳ [showers p.
8	·24	·31	32·5	30·8	27·3	34·7	3·7	4·7	·106	·078	59	46	N	N	—	—	·150	✳6 ins. deep a. Fine day. ✳
9	·73	·76	28·8	32·3	23·7	40·3	2·3	1·2	·099	·157	62	85	W	W	—	—	·220	Fine a. Clear and frosty p.
10	·61	·33	42·6	50·5	30·5	51·5	3·6	1·8	·201	·322	74	88	W	W	—	—	1·250	Fine and milder a. ●2 p.
11	·61	·78	43·6	43·2	42·7	53·5	0·6	1·2	·270	·253	95	90	NW	W	—	—	·090	● showers a.
12	·59	·66	57·3	46·6	41·2	59·7	8·6	2·3	·255	·265	55	84	W	W	—	—	—	Breezy and mild.
13	·40	·56	47·2	39·9	38·0	51·5	2·5	2·8	·266	·192	83	78	W	NW	—	—	—	Mild a. Cold wind p.
14	·56	·41	41·9	44·6	39·2	59·5	7·4	1·6	·137	·258	52	88	W	S	—	—	—	Clear and cool.
15	·15	·22	44·6	41·6	40·7	47·3	1·6	1·3	·258	·236	88	90	SW	S	—	—	·300	● showers p.
16	·10	·06	46·4	45·6	40·2	51·5	1·9	1·6	·271	·269	87	88	S	SW	—	—	·460	Mild a. ● showers p.
17	·20	·30	40·6	37·6	36·3	47·7	0·6	2·1	·240	·186	95	82	W	S	—	—	—	Dull and cold.
18	·42	·66	41·6	42·6	32·7	47·0	3·6	2·3	·193	·225	74	83	SW	NE	—	—	—	Fine, mild and clear.
19	·76	·80	42·6	38·4	36·6	46·3	2·6	2·1	·219	·191	81	83	S	SE	—	—	—	Fine and mild a.
20	·71	·51	42·6	45·6	36·8	45·7	2·6	1·3	·219	·276	81	90	N	W	—	—	·340	Dull and mild. ● p.
21	·51	·57	41·6	39·6	37·6	45·7	0·9	3·3	·244	·181	94	74	S	SE	—	—	—	Dull and cold.
22	·55	·42	45·6	44·4	36·6	46·3	1·6	1·1	·269	·267	88	91	SW	SW	—	—	—	Fine and mild.
23	·50	·50	45·6	40·9	38·9	49·7	1·3	1·4	·276	·227	90	89	SE	SE	—	—	—	Fine and clear.
24	·41	·28	42·4	42·2	33·5	44·3	2·4	1·9	·221	·229	82	86	SE	E	—	—	—	Fine and clear. Cold p.
25	·36	·35	43·6	43·2	40·5	44·5	0·6	1·7	·270	·243	95	87	SE	E	—	—	—	
26	·25	·50	45·9	44·2	40·7	53·0	3·4	3·5	·236	·216	77	74	SE	N	—	—	·130	Fine and milder.
27	·50	·75	50·0	42·4	38·8	54·3	4·3	2·9	·259	·212	72	79	NE	N	—	—	—	
28	·83	·80	43·4	46·5	36·0	50·5	0·4	4·4	·272	·221	97	71	SW	SW	—	—	—	Dull a. Fine p.
29	·66	29·74	45·6	43·9	41·2	49·7	1·6	0·6	·269	·273	88	95	S	S	—	—	·080	Fine and clear.
30	29·84	30·15	43·4	43·4	35·5	50·7	2·9	3·1	·221	·217	78	77	SE	SE	—	—	—	Fine a.
31	30·30	30·24	44·9	42·2	34·5	46·5	4·6	3·7	·204	·197	68	74	SE	SE	—	—	·050	Fine p.
Mean	29·612	29·625	42·8	41·0	35·5	48·9	2·7	2·1	·223	·216	80·4	82·4	—	—	—	—	4·780	

BRAEMAR.—MARCH 1890.

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.		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	28·87	29·00	28·5	20·7	20·7	34·8	0·8	1·0	·133	·098	85	71	E	0·5	NE	0·5	3	3	·010	Cold, with ● showers.
2	29·12	29·20	9·7	17·7	9·7	35·0	0·0	0·5	·067	·081	100	84	NE	0·5	NE	0·5	0	0	—	Fair and clear. Ⓤ
3	29·17	28·98	21·5	36·9	10·7	41·2	0·6	0·4	·095	·211	83	97	NE	0·5	SW	0·5	7	8	—	Fair and clear *a*. Dull *p*.
4	28·59	·41	40·6	36·5	35·0	48·2	2·4	4·0	·205	·146	82	67	SW	4	NW	6	8	8	·020	Dull day.
5	·54	·34	34·5	41·8	30·3	43·7	1·6	2·5	·168	·215	84	81	NW	8	NW	6	6	7	·400	Fine *a*.
6	·33	·22	39·7	37·1	36·2	44·6	4·0	1·4	·170	·194	70	88	NW	6	SW	4	4	8	·110	Stormy ⁄, with ● showers.
7	28·15	·07	35·9	39·3	30·2	41·0	2·9	1·3	·158	·136	75	80	SW	2	SE	1	7	3	·180	Stormy ⁄, with ● showers.
8	27·91	·06	28·0	27·0	26·7	37·0	0·3	0·3	·143	·137	93	93	NE	0·5	N	4	7	10	·490	✳[2].
9	28·46	·66	25·5	25·9	20·2	32·5	0·5	0·4	·121	·127	88	91	NE	0·5	SW	0·5	7	6	·020	✳ showers.
10	·39	·33	41·4	47·8	25·0	49·0	2·2	2·5	·216	·272	84	82	SW	2	SW	4	8	9	·080	
11	·43	·64	47·2	48·7	46·0	50·0	2·7	2·2	·262	·291	82	85	SW	4	SW	4	7	8	—	Fine day.
12	·51	·49	50·7	48·7	45·3	54·0	4·2	2·2	·269	·291	73	85	SW	6	SW	4	4	9	—	⁄
13	·32	·27	46·4	37·8	37·0	51·0	3·5	3·1	·238	·171	76	75	SW	6	SW	4	7	2	—	Snow on hills.
14	·42	·28	37·6	37·4	34·0	44·8	2·1	2·7	·186	·174	82	78	SW	2	SW	2	8	6	—	Fine, but cold.
15	28·02	28·02	40·3	42·6	35·7	43·2	1·6	1·9	·217	·233	88	86	SW	10	SW	6	9	10	·750	Stormy ⁄, with ●[2].
16	27·97	27·92	44·8	41·8	40·8	51·0	3·0	1·2	·232	·240	79	91	SW	2	S	0·5	8	10	·450	Fine *a*. T ● *p*.
17	27·98	28·14	37·3	34·9	34·8	44·4	2·8	2·0	·172	·163	77	81	N	1	W	0·5	8	1	—	Fair, but cold.
18	28·26	·42	35·4	36·7	28·2	45·3	2·4	2·0	·161	·181	78	83	S	1	SE	0·5	8	0	—	Fair, but cold.
19	·51	·54	32·4	34·7	28·0	43·2	2·4	1·8	·134	·166	73	82	SE	0·5	NE	0·5	7	2	—	Fair, but cold.
20	·43	·24	37·6	34·7	33·8	41·0	1·3	0·8	·200	·186	89	93	NE	2	NE	0·5	9	10	·370	✳ and ✳ ● (sleet).
21	·25	·40	36·4	39·4	33·8	45·7	0·5	1·7	·206	·208	96	87	NE	0·5	SW	0·5	5	8	·020	≋[9] (mist) 9*a*. Fine day.
22	·36	·28	34·9	38·9	31·8	45·2	0·4	1·4	·195	·210	96	90	SW	0·5	SW	2	7	9	—	Fine day.
23	·31	·36	37·6	37·6	34·2	50·3	1·9	1·6	·190	·194	84	86	SW	1	SW	0·5	4	4	—	Fine day.
24	·24	·08	34·7	38·9	24·0	44·8	3·2	2·5	·141	·189	70	81	SE	0·5	SE	0·5	8	8	·100	Dull and cold.
25	·14	·22	35·7	37·8	35·0	41·7	0·2	0·3	·202	·220	99	98	NE	0·5	NE	0·5	10	9	·130	✳ ● (sleet) showers.
26	·14	·43	38·6	37·8	37·2	45·3	1·6	1·8	·203	·192	87	85	SW	2	SW	2	8	4	·060	● showers.
27	·36	·60	45·9	41·6	36·6	50·6	4·0	3·7	·225	·191	72	74	SW	4	SW	0·5	7	2	·020	Fine day.
28	·64	·67	40·6	42·6	34·2	49·8	2·1	2·7	·211	·217	84	80	SW	0·5	SW	0·5	7	8	—	Fine day.
29	·50	·52	42·6	40·7	38·2	49·3	3·1	2·2	·210	·210	78	83	SW	2	SW	4	7	6	—	⁄
30	28·65	28·93	38·3	39·6	35·3	46·0	3·8	1·3	·163	·217	70	89	NW	2	NW	1	4	8	·110	● ⁰ showers.
31	29·01	29·05	38·6	38·6	33·7	49·0	2·0	2·0	·196	·196	84	84	NW	0·5	SW	0·5	8	6	—	Fine day.
Mean	28·418	28·443	36·7	37·2	31·7	44·9	2·1	1·8	·184	·192	82·6	84·2		2·4		2·0	6·7	6·2	3·320	

LAUDALE.—MARCH 1890.

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	30·13	30·25	35·2	30·2	27·9	46·7	2·8	1·7	·153	·126	74	74	ENE	3	Calm	0	2	0	—	Fine and clear all day.
2	·42	·51	29·5	29·5	26·6	42·4	2·2	2·1	·107	·109	66	67	Calm	0	Calm	0	0	0	—	Fine and clear all day.
3	30·52	30·33	34·9	39·8	27·3	39·8	2·2	0·4	·160	·237	79	97	ENE	1	WNW	1	10	10	·550	✳ showers *a*. ●[2] showers *p*. [day.
4	29·92	29·75	47·0	41·7	37·7	48·7	1·2	3·7	·293	·192	92	73	W	7	N	8	10	10	·170	● from 5*a*. ⁄ ● showers during
5	·87	·66	40·2	47·0	37·0	48·0	1·8	1·1	·213	·296	86	92	NW	3	NW	3	10	10	·640	●[2] showers *a*. Steady ● *p*. ⁄ [(gale).
6	·62	·47	44·0	45·3	40·1	48·4	2·0	2·0	·244	·272	84	90	N	2	W	3	8	10	·290	●[2] showers all day.
7	·41	·31	40·0	37·5	34·3	48·9	1·8	2·0	·211	·186	86	83	NW	3	N	2	10	6	·320	●[2] *a*. ⁄[2] (severe gale) 1*p*.—5*p*.
8	·16	·32	39·8	34·0	32·0	38·5	2·0	1·8	·189	·160	83	81	ENE	2	N	2	10	4	·270	✳[2] and ✳[2] ●[2] (sleet) all day.
9	·98	·76	30·4	37·3	27·7	37·5	2·5	1·1	·110	·201	65	91	N	3	SE	3	3	10	·220	✳ showers *a*. Clear *p*. ● at night.
10	·69	·63	49·7	52·0	35·2	52·2	3·2	3·0	·279	·310	79	80	Calm	0	W	10	10	10	1·120	●[2] *n*. ●[2] ⁄[2] *p*.
11	·74	·89	48·0	51·8	45·8	54·0	1·1	1·8	·307	·338	92	87	W	2	W	7	10	10	·210	●[2] all day. ⁄ (gale) from noon.
12	·86	·72	51·8	52·3	45·6	58·8	2·1	1·7	·331	·347	86	88	W	6	W	6	10	10	·270	Squally ⁄ ● showers.
13	·51	·59	48·8	43·5	38·6	56·0	3·8	4·5	·257	·192	74	68	SW	2	NW	4	10	2	·200	●[0] showers all day. ▲ *p*.
14	·56	·36	42·7	43·3	37·8	45·9	2·9	2·6	·214	·225	79	80	Calm	0	Calm	0	8	10	·530	Fine and mild all day. ● from 9*p*.
15	29·11	·15	44·4	46·4	35·6	45·5	1·6	0·4	·257	·207	88	96	SW	3	Calm	0	10	10	2·230	●[2] all day.
16	28·97	·04	46·5	46·6	35·6	49·8	1·5	1·1	·281	·230	89	91	S	6	SW	2	10	10	·520	●[2] *n*. and *a*. ● *p*.
17	29·19	·26	37·5	40·0	35·0	46·5	0·3	2·4	·218	·200	97	81	ESE	1	ESE	1	10	3	·460	Calm and mild all day. Much < *p*.
18	·34	·53	35·8	39·9	34·5	42·5	0·8	1·9	·195	·208	93	85	ESE	1	Calm	0	10	2	·060	✳[2] ●[2] (sleet) till 11*a*. ▲ showers
19	·71	·75	41·4	37·9	35·2	51·3	2·6	0·9	·208	·209	81	92	Calm	0	Calm	0	6	0	—	Fine and mild all day. [*p*. Mild *n*.
20	·67	·38	38·5	40·0	29·8	46·1	2·3	1·4	·189	·218	82	89	Calm	0	Calm	0	0	10	·050	Clear *a*. Dull *p*., with ●[0].
21	·45	·56	41·3	43·0	38·4	45·7	1·5	0·8	·229	·259	88	94	Calm	0	Calm	0	10	10	·060	Dull and damp all day.
22	·50	·42	45·0	44·8	38·3	46·9	2·0	2·1	·253	·250	85	85	SW	1	SW	1	9	5	·120	● showers, with bright intervals.
23	·49	·51	45·9	40·0	37·6	49·9	3·6	1·5	·232	·217	75	88	WNW	1	Calm	0	3	0	·060	●[2] ▲[2] showers *a*., bright intervals.
24	·26	·09	44·7	48·5	38·2	47·6	4·5	4·5	·203	·210	68	69	E	6	E	5	10	10	—	Squally ⁄.
25	·23	·35	44·9	45·4	39·0	48·7	3·7	2·4	·219	·249	73	83	E	4	E	3	8	10	·230	
26	·31	·61	47·0	47·2	41·3	54·0	4·3	4·2	·227	·230	71	72	WNW	4	WNW	3	3	10	·230	↱[2] ●[2] 6,30*a*. ▲[2] ●[2] [all day. showers
27	·61	·79	49·4	46·0	43·0	58·4	4·2	2·3	·255	·259	72	84	WNW	3	SW	1	4	4	·030	Bright day. Ⓤ at night.
28	·83	·85	48·0	46·2	41·2	53·4	3·3	2·9	·257	·248	77	80	SW	1	Calm	0	10	10	·030	Dull and mild all day. Ⓤ
29	·71	29·77	47·1	46·2	41·9	58·0	2·7	1·4	·261	·281	81	91	NW	2	NW	2	7	10	·280	● showers all day.
30	29·98	30·13	44·0	41·2	38·8	49·3	3·8	1·4	·209	·229	72	89	Calm	0	Calm	0	10	2	—	Cold and clear. Double Ⓤ 9*p*.
31	30·25	30·23	42·9	42·2	31·4	55·2	2·2	2·4	·236	·219	84	83	Calm	0	Calm	0	0	3	—	↳ early *a*. Fine all day, with ∞.
Mean	29·638	29·645	42·7	42·2	36·4	48·9	2·5	2·0	·226	·229	80·7	84·0		2·2		2·2	7·5	6·8	9·150	

DUNDEE.—MARCH 1890.

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	29·94	30·08	32·4	32·0	30·1	39·7	0·9	0·5	·105	·170	89	93	NE	8	NE	1	5	5	·010	✳ ▲ showers from 6*a*. ⁄ at times.
2	30·13	·36	32·3	30·6	29·5	40·2	0·8	1·1	·166	·143	90	84	NE	1	NE	1	10	5	—	Cloudy.
3	30·36	30·27	30·2	34·9	22·6	40·0	0·7	1·6	·150	·171	89	84	W	1	W	1	10	5	—	Cloudy.
4	29·73	29·45	42·6	40·9	34·4	50·2	1·9	4·0	·233	·180	86	70	W	8	W	10	10	5	—	Cloudy.
5	·64	·38	38·5	46·4	35·2	49·1	4·2	2·7	·158	·255	67	82	NW	4	W	1	5	7	—	Cloudy. ⁄ till 5*p*.
6	·33	·24	45·7	41·5	40·2	50·7	4·4	2·0	·215	·221	70	85	NW	6	W	6	5	10	—	Cloudy. ⁄
7	·20	29·10	43·2	33·8	33·4	47·3	3·8	1·8	·202	·158	73	81	W	1	NW	2	5	10	·020	●[0] showers from 11*a*.
8	·10	28·98	35·1	33·4	31·1	36·6	1·0	1·8	·185	·155	90	81	W	1	NE	6	10	10	·480	✳ noon—6*p*. (2 ins. deep).
9	·54	29·74	27·4	32·6	22·1	34·1	0·8	1·1	·125	·162	84	87	NW	2	NW	1	0	5	·030	⁄ (gale) at night.
10	·48	·39	43·9	49·9	31·6	53·9	3·5	2·2	·214	·304	74	86	W	2	W	6	5	10	·010	Dull, with ●[0] showers.
11	·47	·70	52·9	51·4	48·5	58·0	2·6	1·9	·331	·331	83	88	W	10	W	10	5	10	—	⁄ (gale) *n*. and during day. Cloudy.
12	·67	·60	50·5	51·0	48·2	57·6	2·0	1·6	·317	·333	87	89	W	10	SW	10	10	10	·020	⁄ (gale) *n*. and during day. ●[0]
13	·43	·47	46·4	41·2	40·4	51·6	1·7	2·7	·275	·205	88	80	SW	8	SW	2	10	10	—	Dull day. ⁄ till 4*p*. [showers from 3*p*.
14	·50	·34	41·5	39·6	34·5	48·0	3·0	2·3	·202	·199	78	81	SW	4	SW	4	5	10	—	Cloudy.
15	29·14	29·09	45·8	46·4	36·6	48·7	2·8	2·7	·246	·255	80	82	SW	4	SE	6	10	10	—	Dull day. [● showers 7*p*.
16	28·99	28·88	45·0	43·7	42·5	52·5	0·5	0·7	·287	·269	96	94	SE	10	SE	2	5	10	·040	⁄[2] (very strong gale 1*p*.—4*p*.). T
17	28·98	29·14	41·0	38·3	36·7	44·6	1·4	2·8	·227	·179	89	77	SE	1	W	1	10	10	·080	✳ ● (sleet) 10*a*.—1*p*.
18	29·28	·45	38·9	41·2	30·4	46·9	2·4	0·7	·191	·244	82	95	SE	1	SE	2	10	10	—	Dull day.
19	·54	·56	41·5	36·4	36·0	47·2	3·0	2·3	·202	·173	78	80	NE	2	N	1	10	10	·030	Dull day.
20	·39	·24	41·3	40·6	35·5	41·3	2·0	1·5	·219	·221	84	88	NE	4	NE	2	10	10	·300	● 6*a*.—7*p*.
21	·28	·43	40·1	41·2	38·1	45·7	0·6	0·7	·236	·244	95	95	NE	1	SE	1	10	10	—	Dull day.
22	·40	·32	40·2	41·4	34·8	49·9	0·6	0·9	·237	·242	95	93	E	1	E	1	10	10	·010	Dull day. ●[0] showers from 4*p*.
23	·36	·38	42·0	40·1	37·4	51·3	1·2	1·5	·241	·217	91	88	SW	1	SE	1	5	10	—	Dull from 3*p*.
24	·25	·04	38·8	41·2	33·1	45·1	0·5	1·0	·226	·237	96	93	SE	2	SE	6	10	10	·650	Dull day. ≋ [showers till 9*p*.
25	·10	·25	40·2	40·0	32·4	42·1	0·9	0·2	·230	·243	92	98	E	10	E	1	10	10	·120	● ⁄ (gale) *n*. and till 1*p*. ●
26	·20	·48	44·4	41·6	38·7	49·5	1·8	3·3	·253	·198	87	76	W	1	W	4	5	0	·090	⁄ (gale) 2*p*.—5*p*. ● showers.
27	·44	·67	51·4	45·0	40·0	55·3	3·3	1·2	·297	·271	79	91	W	6	W	1	5	5	—	
28	·70	·68	46·8	46·6	41·3	50·3	1·8	1·2	·277	·290	87	92	S	1	S	1	10	10	·040	● showers 9.30*a*.—3*p*.
29	·56	·57	47·0	44·4	42·0	53·3	2·3	2·4	·268	·240	84	82	W	2	W	6	5	5	—	⁄ (gale) 11*a*.—4*p*.
30	29·74	29·96	43·9	41·4	40·0	53·4	5·6	2·7	·178	·207	62	80	NW	8	NW	2	0	5	—	⁄ till 5*p*.
31	30·13	30·13	44·4	37·2	36·4	47·6	2·4	0·7	·240	·208	82	94	NW	1	N	1	10	5	—	Dull day.
Mean	29·485	29·495	41·8	40·8	35·9	47·8	2·1	1·7	·226	·223	84·1	86·1		3·9		3·2	7·4	8·1	1·930	

GLASGOW.—MARCH 1890.

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	29·91	30·06	34·9	32·1	32·0	39·6	3·4	2·3	·141	·133	70	72	NE	1	NE	1	4	1	—	
2	30·22	·34	31·9	30·3	29·7	37·3	3·0	1·3	·117	·136	66	80	NE	1	N	1	8	10	—	Ⓤ
3	30·35	30·20	26·2	38·5	24·4	39·4	0·5	1·8	·125	·198	89	86	S	1	SW	2	10	10	—	●[0] ≋[0] *a*. Overcast day.
4	29·81	29·52	41·4	41·2	37·9	46·9	1·0	4·6	·238	·173	92	67	SW	2	NW	5	10	7	·020	Overcast, with squally ⁄ ●[0]. Ⓤ
5	·67	·44	40·2	47·8	37·0	48·1	3·5	3·4	·182	·254	73	77	W	2	NW	6	8	8	—	Cloudy, with squally ⁄ ●[2].
6	·41	·33	45·4	45·0	43·0	49·7	4·7	1·2	·206	·271	68	91	NW	3	W	5	4	10	·310	Overcast, with squally ⁄ ●[2].
7	·25	·14	41·4	38·5	38·5	48·0	1·3	3·5	·233	·169	90	72	SW	3	W	2	10	1	·265	Cloudy, with ●[0].
8	·05	·07	36·8	35·4	32·7	41·7	0·8	3·2	·203	·148	93	72	S	1	NW	5	10	10	·380	Overcast, with ⁄ ✳[0] ●[2]. [sleet.
9	·59	·70	34·8	35·4	28·5	39·2	2·0	1·0	·136	·186	75	90	W	1	S]	2	4	10	·179	Bright, then overcast, with ✳[0] ●[0]
10	·53	·54	48·0	50·7	34·4	52·5	0·7	2·1	·317	·316	95	86	W	1	SW	8	10	10	·157	Cloudy, with squally ⁄ ●[0].
11	·60	·80	50·8	51·9	47·7	52·6	1·2	2·6	·340	·319	92	83	W	5	SW	4	10	10	·020	●[0] *a*. Overcast, with squally ⁄.
12	·75	·64	49·0	50·1	47·9	52·3	1·1	1·3	·319	·328	92	91	SW	3	SW	5	10	10	·155	Overcast, with squally ⁄ ●[0].
13	·43	·48	46·3	41·7	40·9	50·5	1·5	3·4	·278	·196	90	76	SW	2	SW	2	10	3	·030	Squally, with ●[0] showers, then clear.
14	·47	·28	41·0	39·7	35·9	47·3	3·0	2·4	·197	·197	77	81	S	2	S	2	6	0	—	Bright and sunny.
15	29·06	29·02	46·2	47·1	39·7	49·8	3·8	3·0	·230	·254	74	79	S	2	S	2	10	10	—	Dull and overcast.
16	28·88	28·86	49·7	49·7	40·1	55·6	5·1	1·1	·239	·231	67	91	SE	2	W	1	9	10	·230	Overcast day, with ●[0].
17	29·02	29·14	41·9	37·4	36·2	46·5	3·1	2·5	·204	·177	78	80	W	1	S	1	8	0	—	Overcast, then fine.
18	·21	·38	40·9	41·5	36·2	48·5	4·3	2·2	·175	·217	69	83	SE	1	E	1	10	0	—	Very cloudy, then fine. ∞.
19	·53	·56	42·4	39·6	38·1	47·6	4·4	4·0	·186	·170	70	70	NE	1	N	1	7	0	—	Cloudy, then clear and sunny.
20	·40	·19	40·3	38·0	34·3	45·9	3·7	0·9	·180	·210	72	92	NW	1	N	1	6	10	·193	Fine, then overcast, with ●[0]. ↳[0].
21	·30	·42	40·4	40·3	37·9	47·3	0·8	1·1	·234	·227	94	91	SW	1	S	1	10	0	·008	Gloomy and overcast, then fine.
22	·39	·31	44·0	42·9	39·1	47·9	2·3	0·7	·238	·261	82	94	SW	1	SW	1	10	2	·050	●[0]
23	·35	29·36	42·0	40·2	37·8	49·8	1·2	1·5	·240	·218	91	88	S	1	S	1	6	0	—	Sunny *p*.
24	·16	28·92	41·7	42·9	34·9	48·5	2·9	2·7	·206	·220	79	80	E	1	E	2	10	10	·080	Overcast day. ●[0] at night.
25	·03	29·23	41·4	42·9	40·8	45·3	0·8	2·1	·243	·232	94	84	NE	2	E	1	10	10	—	Dull and overcast.
26	·23	·53	47·4	43·1	41·8	50·6	3·8	2·5	·241	·225	75	81	SW	4	SW	1	7	10	·113	Cloudy, with squally ⁄ ●[0] showers.
27	·52	·65	49·1	46·8	42·8	55·3	3·6	2·2	·264	·268	76	85	SW	1	Calm	0	7	10	·020	Sunny. [▲[0]
28	·68	·69	47·0	46·2	45·3	52·4	3·3	1·4	·268	·279	84	90	Calm	0	SW	1	10	10	·065	Dull and overcast. ●[0]
29	·58	·64	46·1	44·0	42·5	51·0	2·1	1·6	·263	·252	85	87	SW	1	W	3	8	8	·160	Cloudy, with ●[0] showers.
30	29·79	29·97	43·2	40·3	40·3	50·4	5·5	1·9	·174	·212	62	85	W	2	W	1	3	0	—	Bright and sunny.
31	30·11	30·08	38·6	42·1	32·8	50·3	1·7	2·5	·200	·216	87	82	NE	1	NE	1	10	4	—	↳[0]. Dull and cloudy.
Mean	29·492	29·500	42·2	41·8	37·8	48·0	3·6	2·2	·220	·222	80·7	82·8		1·6		2·3	8·2	6·3	2·435	

WOLFELEE.—MARCH 1890.

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.						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	29·35	29·53	32·8	28·0	25·0	39·0	0·5	0·2	·177	·146	94	95	NE	NE	—	—	—	Stormy, with ⚹ *a.* Clear *p.*
2	·69	·82	29·3	25·0	23·0	40·2	0·0	0·2	·162	·127	100	94	N	SE	—	—	·050	Cold, with ⚹ *a.* Cloudy *p.*
3	·87	·75	18·3	33·0	**14·5**	38·5	0·0	1·7	·100	·153	100	81	S	SSW	—	—	—	Clear and frosty *a.* Dull *p.*
4	·43	29·08	36·9	40·5	28·0	41·5	0·6	2·9	·207	·195	95	78	SW	SW	—	—	·030	Dull *a.* Blowy *a.* and *p.*
5	29·18	28·99	35·8	47·0	32·0	49·5	2·5	3·4	·164	·245	78	77	NW	W	—	—	—	Fine day. Blowy.
6	28·93	·91	45·0	42·0	34·0	47·5	3·9	2·4	·216	·218	73	82	NW	W	—	—	—	Fine and blowy *a.* Dull and blowy *p.*
7	·83	·64	42·0	43·5	38·0	52·0	2·4	0·9	·218	·262	82	93	NW	NW	—	—	·130	Dull, with ● 0 *a.* Stormy *p.*
8	28·68	28·52	36·3	42·0	28·0	48·0	1·0	1·4	·196	·237	92	89	SW	SW	—	—	—	Dull *a.* Stormy, with ⚹ *p.*
9	29·09	29·33	25·3	32·5	18·0	43·5	0·0	0·7	·137	·170	100	91	SW	SW	—	—	·570	Clear and frosty *a.* Cold and blowy *p.*
10	·11	·13	48·0	49·5	24·0	49·5	1·4	0·9	·299	·331	90	93	SW	SW	—	—	·070	Stormy in past *n.* Dull and blowy.
11	·15	·41	52·5	49·0	45·4	56·0	3·4	0·9	·307	·325	78	94	W	SW	—	—	·100	Dull and blowy *a.* ● 0 *p.*
12	·37	·25	47·5	47·0	44·4	53·0	1·9	0·9	·283	·301	86	94	SW	SW	—	—	·170	Blowy, with ● *a.* and *p.*
13	·06	29·07	44·0	38·0	38·0	51·5	0·9	0·8	·267	·212	93	93	SW	SW	—	—	·210	Blowy, with ● *a.* Fine and clear *p.*
14	29·07	28·93	36·9	37·0	31·0	46·0	1·3	1·2	·194	·196	89	89	SW	SW	—	—	—	Fine and clear early and late.
15	28·73	·66	43·0	45·0	32·5	49·0	1·9	2·4	·236	·245	85	82	SW	SW	—	—	—	Dull and blowy *a.* Distant T *p.* Blowy
16	·53	·43	45·0	46·0	39·5	51·5	2·4	2·4	·245	·257	82	83	SE	SE	—	—	—	Dull *a.* Fine and clear *p.* [*p.*
17	·53	·73	40·0	34·0	34·0	**59·0**	2·4	1·2	·200	·172	81	87	W	SE	—	—	·300	Fine and clear.
18	28·82	28·94	34·3	39·0	27·0	43·0	2·5	1·4	·150	·210	76	89	NW	SE	—	—	—	Dull *a.* Clear *p.*
19	29·01	29·05	39·0	37·5	31·5	48·5	1·4	1·2	·210	·201	89	90	N	N	—	—	·100	Stormy, with ⚹ during day. [night.
20	28·88	28·74	37·5	33·5	33·0	44·5	0·8	0·7	·209	·177	93	92	NNE	N	—	—	·570	Dull and cold *a.* Dull, with ● and at
21	·84	·99	36·3	36·5	31·0	38·2	0·0	0·2	·214	·212	100	98	SW	SW	—	—	·060	● 0 *p.* [showers *p.*
22	·97	·90	41·0	41·0	32·0	46·0	1·4	0·9	·227	·237	89	93	W	SW	—	—	·010	Fine and clear *p.*
23	·91	·93	42·5	37·0	37·0	48·0	0·9	0·3	·252	·214	93	97	E	E	—	—	·020	Fine and clear *a.* Blowy, with ● *p.*
24	·77	·51	39·0	39·0	29·0	42·8	1·2	0·9	·214	·220	90	93	SE	SE	—	—	·060	Dull *a.* Fine and clear *p.*
25	·55	28·79	43·2	36·5	35·0	48·5	1·1	0·2	·255	·212	91	98	NE	NW	—	—	—	Fine and clear *a.* Fine and blowy *p.*
26	28·82	29·12	46·0	40·0	32·5	50·0	2·9	2·4	·246	·200	80	81	W	W	—	—	·370	Fine and blowy *a.* Fine *p.*
27	29·07	·23	50·5	47·0	36·5	52·0	2·9	1·4	·295	·289	81	90	W	W	—	—	·040	Dull, with ● *a.* ● 0 *p.*
28	·25	·25	46·5	47·5	41·4	52·0	0·4	1·9	·306	·283	97	86	SW	SW	—	—	·340	Dull *a.* Fine and blowy *p.*
29	·16	·20	42·5	43·5	37·5	54·0	1·4	1·4	·241	·251	89	89	SW	SW	—	—	·020	Fine and blowy *a.* Fine and clear *p.*
30	·30	·48	44·5	35·5	35·5	53·0	4·4	1·2	·203	·185	69	89	NW	NW	—	—	—	Fine and clear *a.* and *p.*
31	29·64	29·65	41·0	36·5	26·0	53·0	2·9	1·7	·199	·184	78	85	SW	SW	—	—	—	Fine and clear *a.* and *p.*
Mean	29·050	29·062	40·1	39·6	32·1	48·0	1·6	1·3	·220	·222	87·5	89·2	—	—	—	—	3·120	

SCARBOROUGH.—MARCH 1890.

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	29·70	29·96	35·9	31·6	28·5	36·8	0·7	0·0	·196	·178	94	100	NE	5	NE	5	9	10	·020	⚹ showers.
2	30·15	30·27	31·9	31·0	30·0	33·7	2·0	2·0	·136	·127	75	72	NE	4	NE	3	7	9	·020	Cold, with ⚹ showers.
3	·35	30·30	33·4	24·8	24·8	36·4	2·4	1·4	·143	·088	75	**66**	NE	2	SW	1	5	0	—	Brilliant.
4	30·06	29·55	28·8	38·3	**24·3**	38·5	1·7	0·3	·112	·225	72	98	SW	3	W	3	4	6	·060	Bright *a.* Very cold wind. ● at night.
5	29·64	·43	37·7	45·0	36·3	45·0	3·1	2·8	·169	·238	75	79	NW	2	W	3	7	6	—	△ showers. Fine and bright.
6	·39	·47	48·9	39·7	39·7	52·7	4·2	1·8	·249	·208	72	85	NW	4	W	1	8	5	—	Very fine and mild.
7	·36	29·12	46·8	45·9	39·7	52·7	3·7	2·6	·237	·250	75	82	SW	4	SW	7	9	9	·010	Gusty, with ● showers. ⚷ (gale) *n.*
8	·26	28·94	37·7	37·9	33·1	47·9	1·9	1·7	·189	·194	83	86	SW	1	SW	2	1	1	·150	Bright *a.* Stormy *p.* ⚸3.30 *p.* ● 2
9	·54	29·92	31·9	32·8	30·3	38·2	0·8	0·0	·161	·186	90	100	NW	3	NW	1	3	8	·010	⚹ *a.* Brilliant, with cold wind.
10	·68	·71	42·2	50·6	31·8	54·4	0·9	1·4	·249	·331	92	90	SW	3	SW	5	10	9	—	⚹ *a.* Mild and damp.
11	·80	·93	50·3	50·6	48·0	54·2	2·1	1·8	·311	·323	85	88	SW	7	W	6	7	0	—	Very fine and bright. ⚷
12	·92	·87	52·6	49·1	48·8	**58·2**	4·1	3·0	·293	·276	74	79	SW	7	SW	2	0	0	—	Very brilliant. Warm. ⚷
13	·68	·60	46·2	46·2	40·3	52·0	3·3	1·2	·230	·284	76	92	SW	5	SW	1	1	10	·010	Bright and fresh.
14	·60	·50	44·4	45·6	42·7	48·2	1·2	2·3	·265	·254	91	83	S	1	SW	1	10	10	·010	
15	·38	29·29	45·2	44·5	38·7	52·2	1·9	1·2	·258	·266	86	90	S	1	SE	1	1	0	—	Brilliant day.
16	·11	28·99	45·2	47·0	40·8	52·2	1·3	0·7	·271	·305	90	95	S	2	S	1	7	10	·020	Fine *a.* ● at night.
17	·05	29·29	41·7	36·0	36·0	48·6	1·4	1·1	·234	·189	89	90	SW	3	SW	1	9	0	—	Fine day.
18	·34	·38	43·0	40·7	33·3	47·3	2·1	1·3	·232	·226	83	89	SE	2	SE	1	4	9	—	Brilliant *a.* Fine day.
19	·39	·38	40·7	39·7	39·3	41·2	1·3	0·2	·226	·239	89	98	N	4	NW	5	10	10	·700	Dull and stormy, with ●.
20	·21	·16	39·7	40·2	37·3	40·7	0·6	0·4	·231	·240	95	96	NW	7	E	1	10	10	·240	Very stormy and damp.
21	·30	·47	39·1	41·7	36·3	43·7	0·5	0·8	·228	·246	96	94	SW	1	W	1	9	10	·030	
22	·47	·47	41·7	43·4	36·3	50·4	1·9	2·1	·225	·236	86	83	SW	1	S	2	5	10	·010	
23	·42	29·38	46·2	43·0	43·0	49·2	1·3	0·2	·281	·273	91	98	SW	2	S	1	10	10	·170	Dull and damp. ≋
24	·32	28·99	42·8	42·0	40·3	48·0	0·3	0·1	·268	·265	98	99	S	2	S	6	10	10	·300	⚷ ●. ≋.
25	·01	29·27	44·7	43·7	40·3	49·2	0·7	0·5	·279	·273	94	96	SW	1	SE	2	3	10	·040	Fine *a.*, then dull.
26	·39	·67	46·1	43·9	38·9	54·2	1·0	1·8	·288	·247	93	86	SW	2	Calm	0	10	0	·030	Dull *a.*, then brilliant.
27	·63	·76	50·8	51·8	43·3	57·5	0·4	0·3	·361	·377	97	98	SW	2	SW	2	6	10	·120	● 0. Very close.
28	·79	·74	52·3	53·4	51·3	**58·2**	1·2	1·7	·360	·361	92	89	SW	2	SW	2	10	9	·010	
29	·63	·75	43·7	44·7	43·3	53·8	0·5	1·9	·273	·253	96	86	NW	2	W	3	10	0	—	Dull *a.*, then brilliant and fresh.
30	29·81	29·97	51·4	44·2	39·3	54·2	5·7	3·3	·245	·220	**66**	75	W	4	NW	1	4	3	—	Brilliant.
31	30·11	30·16	43·7	37·3	37·3	46·2	3·4	1·1	·214	·201	75	91	NW	1	SE	1	10	0	—	Brilliant.
Mean	29·563	29·569	42·8	42·1	37·8	48·2	1·9	1·3	·239	·244	85·3	88·8		2·9		2·3	6·7	6·3	1·960	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—MARCH 1890.

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.						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	29·88	30·04	39·0	35·3	32·8	41·0	2·7	3·1	·186	·149	79	72	NNE 5	NE 5	3	3	—	Squally ⚷ *a.* Fine day.
2	30·21	·34	35·0	33·2	31·6	38·2	2·5	2·2	·156	·145	76	77	E 4	NE 2	7	4	—	⚹ 0 8*a.* ⚹ showers *p.*
3	·43	30·35	35·2	34·3	**28·1**	36·3	2·8	1·3	·153	·172	74	86	ENE 2	W 2	2	9	—	Fine day.
4	30·08	29·72	40·0	45·0	33·0	46·0	1·2	1·8	·222	·257	90	86	WSW 5	WNW 4–5	10	10	·134	⚷ *a.* Overcast and squally. ● *p.*
5	29·82	·63	44·9	47·0	39·0	48·2	4·1	1·0	·212	·298	72	93	NW 5–6	NW 7–8	7	8	·046	Squally ⚷ ● *a.* and *p.* Cloudy.
6	·59	·56	46·8	48·0	44·0	49·2	1·4	1·0	·287	·309	90	93	NW 7–8	WNW 7–8	10	9	·027	Squally ⚷ *a.* and *p.* Cloudy.
7	·46	·25	47·8	47·0	45·8	50·4	1·8	1·0	·288	·298	87	93	W 6–7	WSW 6–7	10	10	·078	Squally ⚷ *a.* and *p.* Dull day.
8	·18	·08	43·8	38·2	36·2	47·8	2·3	1·4	·236	·202	82	88	SW 4	NNW 9	9	7	·082	Squally ⚷ ● 2 showers at night.
9	·75	·90	36·0	42·0	33·4	42·0	1·2	3·4	·189	·200	89	76	NNW 6	WSW 5	6	10	·512	Squally ⚷ *a.* and *p.* ● 2 ⚹ showers.
10	·73	29·80	51·6	50·4	40·0	53·4	0·8	2·2	·361	·310	95	85	NNW 6–7	W 7	10	2	·002	● 2 *a.* Dull, with squally ⚷.
11	29·89	30·03	51·4	51·0	48·0	**54·5**	1·4	1·4	·343	·338	90	90	WSW 6–7	W 4–5	8	8	—	Dull, with squally ⚷.
12	30·00	29·86	48·7	47·0	46·4	51·0	1·4	0·2	·309	·318	90	99	WSW 5	WSW 4	9	10	·090	Dull, with squally ⚷.
13	29·63	·62	45·8	42·0	42·0	47·4	0·2	0·1	·303	·265	98	99	SW 5–6	W 3	10	10	·078	Squally ⚷ ● *a.* Overcast.
14	·58	·41	46·3	43·0	32·8	48·5	3·3	0·8	·241	·259	77	94	SSW 3	S 5–6	2	8	·013	Fine day. Squally ⚷ *p.* [day.
15	29·19	29·07	46·6	46·2	42·2	47·6	1·9	1·4	·273	·281	87	91	S 6–7	SSE 5	9	10	·038	Squally ⚷ ● showers *a.* and *p.* Dull
16	28·91	28·94	45·8	41·0	40·7	49·2	1·2	1·0	·280	·235	91	92	SE 5–6	NNW 4–5	10	10	·136	Squally ⚷ ● *a.* and *p.* Dull *a.*
17	29·14	29·23	43·4	41·3	37·3	47·9	2·0	1·4	·238	·230	84	89	WNW 3	SSW 3	7	2	·044	Fine day. ● showers at night.
18	·25	·34	43·5	44·2	37·0	46·0	2·3	2·2	·233	·242	82	83	SSE 3–4	ENE 4	8	2	—	Dull day.
19	·52	·57	45·2	42·0	39·0	49·2	3·4	2·2	·227	·221	76	84	NNE 2	N 2	2	3	—	Very fine.
20	·44	·25	44·3	42·5	34·1	47·8	4·3	1·6	·203	·238	**70**	87	NNW 5	NW 3	1	3	·036	⚷ *a.* Fine day.
21	·40	·52	44·0	43·7	39·3	49·0	3·3	0·7	·218	·269	75	94	NW 3–4	Calm 0	7	10	—	Fine day. [noon.
22	·51	·42	45·0	45·0	38·4	47·3	2·0	1·8	·253	·257	85	86	SW 2	WSW 3	8	3	·370	Dull *a.* Overcast, with ● in after-
23	·38	29·46	44·2	36·0	36·0	46·4	0·6	1·8	·276	·179	95	84	E 2	NNW 1	10	0	·163	● *a.* and 9*a.*—2*p.* ≋ 0 (mist) *a.* ⌓
24	·17	28·83	42·3	43·0	32·8	43·5	1·6	0·2	·236	·273	88	98	SE 5–6	SE 5	10	10	·320	Overcast, with squally ⚷ ●. [*p.*
25	·01	29·33	44·4	40·2	40·0	50·8	0·8	0·4	·274	·241	94	96	ENE 1	Calm 0	10	0	·045	Dull *a.* Fine *p.* ⌓ *p.*
26	·46	·65	48·5	46·0	38·3	52·5	2·2	1·4	·288	·278	85	90	WSW 6	SSW 2	7	6	·222	Squally ⚷ ● showers *a.* ● showers
27	·69	·74	51·1	47·0	44·9	53·9	1·7	0·0	·332	·323	88	100	W 3	Calm 0	10	10	·243	Dull day. ≋ 0 (mist) *p.* ● 2 *gp.*
28	·78	·75	48·2	47·2	45·0	49·2	0·0	0·1	·337	·323	100	99	SW 2	NE 2	10	10	·390	≋ ● *a.* and *p.* Overcast.
29	·73	29·84	49·0	46·2	41·8	53·5	1·4	3·0	·312	·246	90	79	W 4	WNW 3	2	0	—	Fine day.
30	29·92	30·03	47·2	41·0	40·0	50·9	1·8	1·8	·282	·219	88	86	WNW 4	NNW 2	4	0	—	⌙ *a.* Very fine.
31	30·13	30·14	46·7	43·8	31·4	49·6	2·9	1·8	·253	·246	80	86	E 3	SE 2	0	3	—	⌙2 *a.* Very fine.
Mean	29·608	29·603	44·9	43·2	38·4	48·0	2·0	1·4	·258	·252	85·4	88·9		4·3		3·7	7·0	6·1	3·069	

STONYHURST.—MARCH 1890.

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	29·55	29·74	36·0	30·7	29·1	38·6	3·1	2·8	·156	·108	73	63	NW	1	NE	1	8	0	·010	⚹ 0. Cloudy day.
2	29·94	30·06	32·5	27·2	24·8	34·5	3·5	0·7	·114	·126	**62**	86	N	1	NE	1	4	10	·005	⌙ ▲ *a.* Sunny day.
3	30·16	30·11	27·1	26·9	**22·7**	35·7	1·9	1·7	·093	·094	63	64	Calm	0	Calm	0	8	0	—	⚹ before 9*a.*
4	29·90	29·43	31·4	42·0	24·2	43·3	1·8	1·0	·135	·245	76	92	SW	2	W	4	10	10	·265	[● *p.* ⚹ 0 *a.* Overcast and squally, with
5	·50	·37	40·2	42·9	35·4	44·5	5·0	1·0	·158	·255	63	92	NW	3	NW	3	2	10	·195	Overcast *p.* [but squally *p.*
6	·29	·33	44·2	42·3	41·0	47·6	1·2	2·0	·263	·228	91	85	W	5	SW	2	10	10	·105	Squally, with ⚹ *a.* Fine and sunny,
7	·19	29·03	45·4	43·9	41·6	47·4	1·5	1·6	·269	·252	89	87	W	7	SW	5	10	10	·180	Overcast *a.* Squally *a.* and *p.*
8	·04	28·72	39·1	38·8	32·4	44·8	1·6	1·8	·208	·201	87	85	Calm	0	SW	3	10	10	·185	Overcast. ▲ ● *p.*
9	·38	29·72	31·0	34·1	30·0	42·6	0·7	2·2	·156	·153	89	78	SW	1	W	1	10	10	·740	⚹ *a.*, then fine and sunny. ⌙ 5*p.*
10	·51	·63	46·1	47·6	33·7	48·4	0·6	1·1	·298	·303	96	93	SW	4	SW	3	10	10	·205	Overcast, with ●.
11	·68	·85	47·5	49·4	46·1	50·5	1·0	2·1	·304	·300	93	86	SW	5	SW	3	10	10	·045	Overcast and threatening.
12	·83	·70	48·3	44·9	44·2	53·6	2·8	2·4	·272	·245	81	83	SW	2	SW	1	10	1	—	Overcast day. Clear *n.*
13	·48	·40	45·5	43·8	41·2	49·6	3·5	0·8	·229	·267	75	94	SW	3	Calm	0	10	10	·045	Overcast. ● *p.*
14	·39	29·25	43·1	43·2	39·9	46·9	1·1	1·2	·254	·253	91	90	Calm	0	S	2	10	0	·010	Overcast day. Clear even.
15	29·08	28·98	44·9	46·9	40·1	50·4	2·6	3·1	·240	·251	81	80	S	4	S	3	10	5	—	Overcast.
16	28·78	28·72	52·0	42·9	42·5	**55·6**	5·6	0·8	·254	·258	66	94	SE	5	W	2	1	10	·227	Clear and sunny *a.* Cloudy *p.*
17	28·91	29·05	41·3	36·0	35·2	46·7	1·9	1·5	·221	·184	85	87	W	2	Calm	0	10	0	—	Overcast *a.* Sunny *p.*
18	29·08	·09	40·0	41·6	33·3	49·2	4·0	3·5	·172	·195	69	75	NW	5	Calm	0	10	10	—	Clear *a.* Overcast *p.*
19	·21	29·25	41·8	41·2	33·0	47·1	3·2	2·7	·202	·205	77	80	NE	2	N	1	8	10	·032	Overcast.
20	·10	28·98	39·1	38·5	37·7	41·9	2·4	1·1	·193	·211	81	91	NW	2	Calm	0	10	10	·123	Overcast, with ●.
21	·13	29·28	41·4	37·8	37·0	47·1	1·5	1·2	·230	·204	89	90	W	2	W	1	10	0	·018	Overcast, with ● 0 *a.*
22	·29	·22	42·7	42·9	34·0	48·2	0·9	1·4	·255	·246	92	89	W	1	SW	1	8	10	·126	Overcast *a.*
23	·17	29·18	44·0	42·1	40·6	45·5	1·3	1·6	·259	·234	90	88	Calm	0	Calm	0	10	10	·370	Overcast, with ●.
24	29·03	28·67	42·1	42·4	35·8	45·6	2·3	1·4	·220	·241	83	89	SE	1	E	1	9	10	·218	⌙ *a.* Cloudy, then overcast. ● 0 *p.*
25	28·78	29·08	43·4	41·6	40·3	47·9	1·3	0·6	·253	·250	90	95	Calm	0	Calm	0	10	10	·038	Overcast and threatening *a.* ≋ *p.*
26	29·20	·48	48·7	43·2	39·7	52·0	3·6	2·3	·259	·230	76	82	W	4	Calm	0	3	4	**·745**	
27	·46	·52	49·0	49·7	42·2	51·2	1·4	0·5	·312	·340	90	96	SW	2	SW	1	10	10	·635	Overcast, with ●.
28	·57	·51	49·8	49·1	47·8	55·2	0·5	0·3	·345	·342	96	98	SW	1	Calm	0	10	10	·012	● *a.* Overcast.
29	·47	·59	46·0	44·6	41·7	49·9	2·5	1·9	·255	·252	83	86	NW	2	W	2	8	7	—	Overcast *a.* Cloudy *p.*
30	·67	·77	48·0	38·8	30·8	49·0	4·0	1·7	·243	·203	73	86	N	4	Calm	0	7	0	—	Clear *p.*
31	29·90	29·92	45·5	39·8	32·2	51·2	3·7	2·8	·225	·191	74	78	NE	2	NE	1	0	0	—	≋ then ∞ 0 *p.*
Mean	29·375	29·374	42·5	41·2	36·5	47·2	2·3	1·6	·227	·228	81·4	85·9		2·4		1·4	8·3	7·0	4·534	

HILLINGTON.—MARCH 1890.

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	29·95	29·9	31·4	24·6	34·3	0·2	0·1	·160	·174	97	99	SW 0·5	E 5	10	10	·205	⊀² *a* and *p*.
2	30·15	30·28	29·4	25·2	24·2	32·3	3·3	0·3	·085	·124	52	92	NE 5	NE 5	5	10	·050	⊀⁰ *n* and *9a*. ⊀² *a* and *p*. ▲ Ψ
3	·40	30·40	28·0	11·1	11·0	35·3	2·0	0·3	·097	·063	64	89	NE 1	SE 1	7	0	·008	Very fine and sunny. ⊀² showers *3p*.
4	30·29	29·81	21·9	31·5	6·0	35·2	1·2	1·8	·077	·136	67	76	SSW 0·5	SW 5	4	10	·048	● ⁰ 8.30*p*. ⊀ ▲ *9p*. [Ψ
5	29·73	·64	37·1	40·9	31·1	44·2	2·4	2·3	·176	·209	80	83	NW 2	W 6	10	10	—	Very rapid thaw.
6	·55	·65	46·1	39·1	39·1	53·4	2·3	2·2	·259	·207	84	82	NW 5	NW 2	10	0	—	
7	·57	·41	46·0	44·1	39·0	51·1	2·3	2·0	·268	·226	84	77	NW 5	SW 6	9	9	·046	Cloudy all day. ⁄ in evening.
8	·41	29·19	43·8	40·0	37·5	50·5	2·1	1·3	·239	·220	84	90	W 1	SW 6	10	10	·338	● ² ▲ ² *p*.
9	·66	30·07	35·1	33·5	32·3	42·3	3·3	2·8	·144	·138	70	71	NW 5	NW 1	5	0	·217	⊀ early *a*. Fine, sunny, and windy.
10	29·92	29·94	37·6	51·9	29·1	53·6	0·2	2·2	·221	·329	99	86	SW 4	SW 4	10	10	·010	⊀ early *a*., then ● till 10*a*.
11	30·05	30·17	50·0	49·0	46·1	59·3	2·7	2·3	·294	·290	82	84	W 6	SW 3	10	0	·002	Cloudy early *a*. Very fine sunset.
12	30·18	30·05	47·2	45·0	40·2	58·6	1·6	1·4	·286	·266	89	89	W 4	SW 0·5	0	0	—	⌓² *a*. Very fine and sunny. Distant
13	29·88	29·77	44·7	43·1	37·3	46·9	2·7	0·5	·237	·267	80	96	SW 3	SW 3	10	10	—	Overcast all day. [T *3p*.
14	·73	·68	43·4	45·6	37·5	52·4	1·4	2·4	·250	·251	89	82	SW 2	S 1	10	0	—	Cloudy and overcast.
15	·50	·43	46·0	44·1	40·3	53·4	1·1	0·8	·284	·271	92	93	SE 2	SE 2	8	0	·003	Cloudy and overcast. Fine red sunset.
16	·20	·07	47·6	48·6	41·1	58·5	1·2	2·0	·301	·293	92	86	SSE 5	SSE 3	9	10	—	
17	·22	·40	44·1	32·8	32·8	51·7	2·5	0·7	·234	·172	80	92	W 4	W 0·5	5	0	·002	
18	·41	·33	45·0	40·6	32·8	53·4	3·5	2·0	·224	·213	75	85	W 1	E 5	5	10	·345	⌓ *a*. Sunny. Fine red sunset. [*n*.
19	·37	·34	40·7	40·0	38·9	41·3	1·0	0·3	·232	·240	92	98	NE 2	N 6	10	10	1·290	● ² 6*p*. and *9p*. ⁄ ● ² (very heavy)
20	·19	·30	38·9	38·8	36·6	40·4	0·2	0·4	·232	·228	99	97	N 4	W 1	10	10	·117	● ² early *a*. Extraordinarily dark
21	·45	·57	40·9	43·0	36·7	48·9	2·2	1·3	·211	·248	84	90	W 2	NW 1	7	10	—	Very dark night. [night.
22	·62	·62	44·0	46·1	34·0	52·6	3·0	3·3	·225	·238	77	77	SW 2	SW 2	8	10	·020	● ⁰ 6*p*.–7.30*p*.
23	·55	·44	45·2	43·0	42·7	51·1	0·9	1·2	·280	·251	93	90	SW 1	S 2	10	10	·080	Overcast. ● ² 1*p*.–3.30*p*.
24	·44	·06	44·6	45·0	40·2	50·3	2·1	0·3	·248	·292	84	98	S 2	SSE 4	9	10	·308	● ² 6.30*p*. and *9p*.
25	·14	·40	42·0	43·6	39·1	52·6	0·3	0·9	·260	·263	98	93	SW 3	SW 2	10	10	·027	● ² early *a*. Overcast. ● ⁰ 2*p*.
26	·58	·86	46·3	49·0	36·1	58·4	0·7	3·2	·297	·271	95	78	SW 4	SW 2	10	8	·070	● early *a*. Windy night.
27	·85	·91	53·8	53·1	45·2	59·0	1·1	1·4	·382	·365	92	90	SW 4	SW 4	10	10	—	Windy and cloudy *p*. Warm.
28	·95	·88	52·0	52·0	49·2	61·8	1·2	1·8	·356	·340	92	87	SW 3	SE 0·5	10	6	·006	Overcast and mild. Ψ ⌓ *p*.
29	29·72	29·93	52·6	42·3	41·3	55·4	2·0	1·9	·343	·230	86	86	W 3	W 1	9	0	—	⌓² ∞ *a*. Very fine and sunny. ⌓²
30	30·09	30·04	48·8	42·0	35·2	56·6	3·9	2·6	·254	·214	73	81	NW 3	NE 1	0	4	—	Very fine and sunny. [*p*.
31	30·16	30·22	45·9	40·2	31·9	49·5	3·0	2·3	·242	·203	79	82	NE 4	NE 1	6	9	—	⌓ *a*. Ψ *p*.
Mean	29·703	29·703	42·6	41·1	35·1	49·8	1·9	1·6	·239	·233	84·0	87·1		3·0		2·8	7·9	6·6	3·192	

CHURCHSTOKE.—MARCH 1890.

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	29·42	29·48	35·1	23·1	23·0	39·0	1·2	0·2	·181	·116	88	94	WNW 3	NNE 2	10	4	·070	⊀ *a*.
2	·64	·84	31·7	26·1	21·5	33·8	1·0	0·8	·155	·114	87	81	NNE 5	NNE 2	6	8	—	Bright, with very cold wind.
3	·92	·91	28·9	25·9	22·1	33·8	0·8	1·0	·136	·107	86	76	NNE 3	W 2	4	9	—	⌙ Bright and sharp.
4	·70	·34	27·2	41·6	16·5	42·1	3·2	0·7	·067	·247	46	94	NW 2	W 1	6	9	—	
5	·37	·31	41·2	44·8	38·0	46·1	3·3	1·9	·193	·254	75	85	NW 3	WSW 1	8	10	·090	Bright and fresh.
6	·23	29·23	47·4	44·8	41·0	49·1	2·3	1·9	·273	·254	84	85	NW 2	W 4	8	9	—	Cloudy and variable.
7	29·18	28·99	46·3	44·8	43·2	49·1	2·4	1·9	·258	·254	83	85	W 4	W 2	9	8	·104	Squally.
8	28·90	28·73	43·8	40·6	38·8	52·2	0·5	3·9	·274	·179	95	70	W 2	W 2	10	9	—	Dull and variable.
9	29·28	29·60	33·9	36·7	29·9	40·8	1·0	2·8	·174	·166	89	76	W 2	W 2	3	2	·210	⊀ early *a*. Variable.
10	·43	·54	49·7	49·9	35·5	50·9	0·7	1·5	·339	·321	95	90	W 4	WSW 4	10	8	·010	Squally.
11	·62	·74	50·7	49·1	47·0	55·3	2·7	1·5	·302	·311	82	89	WSW 4	W 2	10	8	—	Gusty and warm.
12	·70	·58	49·9	45·8	44·4	58·3	4·2	3·5	·260	·231	72	76	W 3	SW 2	6	2	—	Breezy, bright, and warm.
13	·33	·25	47·4	43·8	42·2	51·1	2·5	0·9	·268	·265	82	93	WSW 3	W 2	6	10	·040	Gusty.
14	29·26	29·06	42·2	43·6	40·0	48·9	1·3	1·7	·240	·246	89	86	SW 1	SW 2	10	4	·068	Mist on hills.
15	28·85	28·76	47·3	46·0	37·6	52·1	1·4	1·1	·292	·284	90	92	SSE 2	SE 3	9	6	·012	Mild and threatening. [evening.
16	·56	·58	46·2	37·9	37·4	51·6	1·3	1·0	·281	·208	91	91	SE 2	SE 2	10	10	·280	Cold wind, with ● showers. ● ² in
17	·75	·86	40·0	31·3	29·8	49·1	2·3	0·4	·201	·166	82	95	SSW 2	SW 1	10	0	·010	▲ · Distant T.
18	28·82	28·89	40·8	37·9	29·0	49·1	1·9	2·0	·216	·189	85	83	E 2	E 1	9	0	·030	Cold wind.
19	29·01	29·07	39·6	40·3	32·0	46·1	2·1	0·4	·202	·241	83	97	NE 2	NW 1	10	10	—	Cold and windy. ≈≈ (mist).
20	28·94	28·87	41·8	36·4	35·0	42·5	1·9	1·5	·225	·186	85	87	NW 2	NW 2	10	0	—	Cold and windy. ≈≈ (mist).
21	29·01	29·13	47·7	35·1	29·8	52·3	5·8	0·2	·208	·200	63	98	WNW 2	NW 1	8	10	—	Bright and breezy.
22	29·15	·09	48·1	45·8	33·0	51·9	6·2	1·9	·204	·265	61	86	NW 2	SW 1	8	9	·056	
23	28·95	29·09	44·8	38·0	37·0	47·1	0·9	0·9	·276	·211	93	92	SE 2	W 2	10	0	·218	Cold, with ●.
24	·74	28·48	40·3	41·8	34·0	44·3	1·0	0·9	·229	·245	92	93	SE 2	SSE 1	10	4	·320	Stormy, with ●.
25	28·62	29·01	44·8	42·8	37·0	47·1	1·9	0·9	·254	·255	85	93	W 2	W 1	8	5	·026	
26	29·15	·36	49·8	46·8	40·1	57·0	3·0	2·4	·284	·264	80	83	W 3	WSW 2	6	10	·020	Bright and fresh.
27	·34	·39	51·9	51·7	45·0	56·9	1·7	1·7	·342	·339	88	88	SW 2	WSW 2	10	10	·010	Threatening.
28	·42	·33	52·7	52·9	49·0	60·1	2·3	0·9	·336	·375	84	94	SW 2	SW 1	10	10	—	Cloudy.
29	·32	·50	46·8	41·4	38·0	54·9	1·9	1·5	·275	·229	86	88	NW 1	W 1	8	4	—	
30	·52	·60	47·1	37·9	33·0	56·1	3·4	1·6	·246	·196	76	86	WNW 1	NW 1	2	0	—	Fine and clear.
31	29·68	29·72	42·8	39·8	28·2	53·1	1·7	1·9	·238	·207	87	85	NNW 2	ESE 2	1	1	—	Bright. Haze on hills.
Mean	29·218	29·236	43·5	40·8	35·1	49·0	2·2	1·5	·240	·230	82·7	87·5		2·4		1·8	7·9	6·1	1·574	

CARMARTHEN.—MARCH 1890.

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	29·82	29·80	37·9	36·4	31·8	44·5	1·3	3·3	·202	·154	89	73	W 1	N 4	10	5	·070	Fair, but cold.
2	30·06	30·18	33·9	27·9	25·5	37·5	2·3	0·2	·151	·146	76	96	E 5	NE 4	6	0	—	Fine, but with cold wind
3	·26	30·31	32·4	26·1	23·2	37·5	0·8	0·4	·166	·127	90	91	NE 3	Calm 0	0	0	—	Fine day.
4	30·21	29·81	29·0	41·0	15·0	42·3	2·2	0·4	·112	·257	67	97	Calm 0	SW 1	10	10	·200	● from 7*p*.
5	29·75	·75	44·3	42·6	34·8	49·1	3·5	1·8	·218	·234	74	87	NW 1	NW 2	10	10	·020	Dull day
6	·70	·70	49·7	47·3	36·9	54·5	4·0	2·4	·262	·270	73	83	NW 2	NW 2	6	8	·040	● showers.
7	·64	·45	49·2	46·4	38·5	53·8	3·5	1·9	·267	·271	76	87	W 2	W 5	8	9	·240	
8	·27	29·18	47·6	40·3	38·3	51·4	1·1	1·9	·303	·211	93	85	SW 5	SW 5	10	5	·020	● showers.
9	·76	30·01	41·9	36·9	35·7	46·4	5·6	2·3	·162	·176	62	81	N 3	Calm 0	8	1	·250	▲ in past *n*.
10	29·92	·00	49·4	49·7	35·6	51·4	0·5	1·3	·340	·323	96	91	SW 2	SW 3	10	10	—	Dull day.
11	30·08	30·16	51·0	49·0	48·6	53·8	2·3	1·4	·315	·312	84	90	W 3	W 1	10	10	—	Dull day.
12	30·14	29·97	51·9	45·5	44·5	54·6	4·7	0·5	·270	·293	70	96	SW 2	SW 1	10	10	—	Fine day.
13	29·74	·61	46·8	44·4	43·4	47·6	2·8	0·4	·256	·283	80	97	SW 2	SW 1	10	10	·200	Dull day. ● ⁰ from 6*p*.
14	·57	·37	42·9	44·9	41·4	50·2	0·6	2·2	·263	·249	95	85	S 1	SW 2	10	10	·010	● ⁰ *a*.
15	29·23	29·04	47·8	47·8	44·1	50·2	2·6	2·8	·270	·266	81	80	S 4	S 4	10	10	·020	Dull, with ● showers.
16	28·83	28·95	48·3	40·9	40·7	49·6	2·6	1·4	·275	·226	82	89	SE 3	Calm 0	10	8	·150	Dull, with frequent ● showers.
17	29·16	29·22	45·8	38·1	32·0	51·0	3·3	1·3	·236	·204	78	88	SW 1	W 1	6	0	·070	▲ ² noon. Fine *p*.
18	·15	·20	42·5	39·9	35·4	51·4	2·2	3·6	·225	·178	84	72	SE 2	N 2	10	0	·010	Fine day.
19	·39	·46	40·9	40·5	34·6	51·4	2·6	2·4	·204	·204	80	81	N 2	N 1	10	0	—	
20	·40	·27	46·5	39·3	38·3	50·7	4·3	1·4	·223	·213	71	89	NW 1	NW 1	6	0	—	Fine day.
21	·41	·51	47·7	43·9	34·5	50·1	4·0	0·6	·240	·273	73	95	NW 1	Calm 0	6	10	·090	● showers.
22	·55	·48	48·0	44·9	40·1	53·0	3·0	0·6	·264	·284	79	95	W 1	Calm 0	10	10	·400	Frequent ● showers.
23	·33	29·47	43·3	37·9	37·7	47·6	1·5	0·4	·247	·220	89	97	SW 1	Calm 0	10	0	·220	Frequent ● showers *a*. Fair *p*.
24	·05	28·83	43·9	44·8	36·4	48·1	0·8	0·5	·269	·285	94	96	SE 6	W 3	10	6	·330	Squally and overcast. ● till *3p*.
25	·07	29·39	49·3	45·8	42·4	49·5	4·1	1·7	·254	·269	72	88	W 5	W 2	9	8	·070	
26	·58	·73	52·7	47·1	43·5	57·8	3·3	0·8	·311	·305	78	94	W 3	SW 1	4	10	·160	Fine day. ● ⁰ after dark.
27	·75	·77	48·3	49·0	46·8	49·9	0·2	0·4	·334	·338	99	97	SW 3	SW 1	10	10	·020	● ⁰ ≈≈
28	·80	·68	51·3	51·7	47·6	55·8	0·9	1·1	·355	·353	94	92	S 1	Calm 0	10	10	—	Dull day.
29	·76	·87	48·8	44·8	44·1	57·5	3·1	2·5	·271	·241	79	81	Calm 0	N 3	8	0	—	Very fine.
30	29·93	29·93	42·5	42·3	35·4	58·3	0·7	1·2	·257	·244	94	91	Calm 0	N 2	10	0	—	Very fine.
31	30·01	30·04	53·7	46·3	37·3	59·2	7·2	4·8	·241	·212	59	68	Calm 0	Calm 0	0	0	—	Very fine.
Mean	29·623	29·618	45·5	42·7	37·5	50·5	2·6	1·5	·250	·246	81·0	88·1		2·1		1·7	8·3	5·8	2·590	

MARGATE.—MARCH 1890.

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	29·95	29·88	31·6	33·9	26·2	35·0	0·6	0·9	·163	·176	92	90	W 2	E 1	10	10	·090	⌓ *a*. ⊀⁰ nearly all day.
2	30·03	30·19	30·0	26·6	25·0	34·0	0·3	1·8	·158	·090	95	64	NE 3	NE 4	4	10	·040	⌓ *a*. ⊀ all day.
3	·34	30·34	28·8	28·8	24·0	31·7	1·8	0·8	·110	·135	70	86	E 2	E 3	7	9	·040	⌓ *a*. ⊀ all day.
4	30·33	29·95	22·2	26·8	15·2	33·5	1·2	1·3	·078	·105	67	74	E 1	NE 4	10	9	·050	⌓² *a*.
5	29·74	·74	39·0	37·4	26·0	42·8	2·2	2·4	·195	·178	83	80	NW 2	W 2	8	10	—	Bright day.
6	·63	·72	43·6	43·1	37·0	48·0	1·6	2·5	·248	·225	87	81	SW 3	W 3	10	6	—	Milder.
7	·68	·60	46·7	44·0	39·2	53·0	2·7	2·3	·257	·238	81	82	SW 3	SW 4	0	1	—	Very bright.
8	·50	29·32	46·0	45·6	41·8	50·8	1·5	0·6	·275	·292	90	96	SW 3	SW 4	10	10	·030	Sunny.
9	29·68	30·13	37·6	35·4	34·0	46·0	2·8	2·2	·174	·166	77	80	NW 3	SW 2	0	0	·050	⁄ before *9a*. ⊀⁰ in afternoon.
10	30·09	·08	39·8	50·1	30·0	50·8	2·5	1·1	·196	·333	80	92	SW 4	SW 3	10	10	·240	● ².
11	·15	·27	50·1	47·0	45·4	56·4	2·7	1·7	·295	·281	81	88	SW 3	SW 2	7	0	—	Very fine.
12	30·26	30·13	49·6	43·8	40·0	58·2	2·2	1·0	·301	·263	85	92	SW 2	SW 1	2	0	—	Very fine.
13	29·98	29·86	44·7	40·9	39·0	47·0	1·7	1·3	·257	·229	87	90	SSW 2	Calm 0	10	10	—	Dull day.
14	·75	·73	46·5	41·5	40·2	57·6	0·8	0·5	·302	·251	94	96	S 1	S 1	9	0	—	Very fine.
15	·60	·47	47·0	46·0	41·0	51·8	1·2	1·1	·294	·285	92	92	S 3	SE 1	10	0	—	Very fine.
16	·25	·12	49·0	50·2	42·0	58·4	2·0	2·2	·297	·307	86	85	S 2	S 2	1	10	·020	Very fine.
17	·30	·43	44·0	38·8	37·2	52·6	1·1	0·8	·263	·219	91	94	WSW 2	SW 1	0	0	—	Very fine.
18	·41	·23	44·6	41·9	34·3	45·8	2·7	0·2	·236	·262	80	99	SE 1	E 1	3	10	·090	⌓ *a*. Dull, with ●.
19	·31	·28	40·7	40·9	40·0	41·9	0·0	0·3	·254	·249	100	98	N 2	NW 2	10	10	1·180	● ² at night.
20	·24	·39	35·6	41·4	34·2	41·8	0·4	1·7	·200	·208	97	87	W 4	W 2	10	10	·260	⊀⁰ ● (sleet) *a*. ● ² nearly all
21	·51	·63	42·7	40·0	33·8	49·4	1·1	2·0	·250	·207	91	84	SW 2	S 2	0	0	—	[day.
22	·67	·71	42·9	45·0	33·7	51·8	1·1	1·8	·252	·258	91	86	SW 2	SW 3	10	10	—	⌓⁰ *a*.
23	·64	·54	48·2	43·9	42·1	51·0	2·2	0·9	·284	·256	85	93	SSW 2	W 4	7	10	·090	Dull day.
24	·52	·20	46·0	46·5	37·0	48·1	2·9	0·4	·245	·306	80	98	SW 3	SW 2	7	10	·170	● showers.
25	·19	·47	47·0	45·7	42·1	54·1	1·8	1·6	·279	·270	87	89	SSW 3	SW 2	9	9	·010	● from 3*p*.
26	·70	29·92	49·6	50·3	40·0	58·1	1·9	1·8	·306	·318	87	88	SSW 5	S 3	10	10	—	Sunny. ● ⁰ showers.
27	29·97	30·03	51·1	52·1	44·8	53·6	0·6	1·3	·360	·355	96	91	SW 4	SW 3	10	9	—	⁄ *a*. Fine day.
28	30·02	29·89	51·1	48·9	47·3	58·5	0·4	0·9	·365	·323	97	94	SW 2	Calm 0	10	6	—	Dull and windy.
29	29·80	29·95	53·7	50·1	47·9	59·8	2·7	2·1	·339	·307	82	85	SSW 3	SW 1	0	0	—	≈≈ *a*. Ψ
30	30·02	30·02	49·1	44·0	37·7	56·6	3·9	2·9	·257	·225	73	78	W 1	Calm 0	0	0	—	Very fine.
31	30·17	30·22	46·1	41·3	38·8	46·4	2·6	1·3	·252	·231	82	90	N 2	NE 2	0	1	—	Very fine.
Mean	29·755	29·755	43·4	42·3	36·7	49·2	1·7	1·4	·250	·243	86·0	87·8		2·5		2·1	6·3	6·1	2·360	

SOUTHAMPTON.—MARCH 1890.

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	30·01	29·85	35·1	34·7	25·3	39·6	2·1	0·6	·163	·189	79	93	NW 0·5	NE 2	8	10	·026	⌙ *a.* Beautiful *a.* ⚹ *1p.* then ● [till *5p.*
2	·08	30·23	32·1	25·4	25·4	35·7	1·8	0·0	·142	·137	78	100	NE 3	NE 3	0	0	·023	Beautiful *a.* *Very* cold wind. ⚹ *v.*
3	·37	·41	26·1	26·2	22·0	34·9	0·1	1·2	·138	·103	98	73	NE 2	N 1·5	8	0	—	⚹° showers *a.* Fine, but very cold.
4	30·36	30·04	30·3	33·1	19·5	37·1	2·8	2·1	·104	·146	61	78	NE 1	SW 3	0	10	·027	Fine day. ⚹ *9p.* then ⚹ ● (sleet).
5	29·86	29·87	41·1	37·7	32·2	47·4	2·1	1·9	·214	·190	83	83	NW 1	WSW 0·5	8	0	·002	Beautiful day.
6	·79	·82	47·8	45·8	36·7	56·1	2·7	1·8	·267	·267	81	87	NW 2	NW 2	9	1	—	Beautiful day.
7	·80	·66	46·9	45·1	42·5	55·9	2·1	2·4	·272	·246	86	82	W 2	SW 2·5	10	9	—	Beautiful afternoon.
8	·55	29·39	48·3	43·1	42·7	52·4	2·4	2·8	·281	·220	83	79	SW 1·5	SW 0·5	10	10	·118	Fine *a.* ●² *p.*
9	29·80	30·24	45·0	33·7	33·3	48·5	4·8	2·8	·200	·139	67	72	NNW 3	NW 2	1	0	·055	Beautiful day throughout.
10	30·15	·15	44·3	50·7	30·9	52·0	0·8	1·7	·273	·326	94	88	SW 2	SW 1	10	10	·030	● till 11.30*a.* Dull *p.*
11	·24	·32	51·1	52·5	48·8	56·0	3·0	3·7	·300	·300	80	76	SW 1	W 3	10	10	—	Dull day.
12	30·32	30·18	51·1	48·4	44·6	59·3	4·0	3·2	·277	·264	74	78	NW 2	WSW 2	10	10	—	Beautiful day throughout.
13	29·99	29·83	46·0	44·7	44·2	49·7	2·1	1·5	·263	·262	85	89	SW 3	S 1	10	10	—	≋⁰ *a.*
14	·77	·68	46·2	44·4	38·9	57·3	1·7	1·4	·274	·260	89	89	S 1	SE 1·5	9	10	—	Beautiful day. Overcast evening.
15	·55	·38	46·9	45·1	42·8	53·8	1·7	1·2	·281	·272	88	90	S 2	SE 2	10	0	·017	Beautiful day. ⌓ *n.*
16	·13	·13	50·6	41·9	41·5	54·4	2·8	1·1	·298	·244	81	92	SE 2	SW 1·5	8	10	·153	● early *a.* and 11.30 *a.*—6*p.*
17	·34	·42	46·9	41·0	34·5	53·9	3·5	1·2	·242	·231	77	90	WNW 1	Calm 0	0	0	·027	● ▲ shower *1p.* ●⁰ *2p,* ⌓ *n.*
18	·36	·25	43·7	43·2	34·7	52·8	2·9	2·4	·223	·228	78	82	SE 2	NE 2	9	9	·020	Beautiful day. ● from 11*p.*
19	·38	·46	41·7	43·4	38·4	44·6	1·5	2·8	·232	·222	89	79	NNE 1	N 3	10	10	·004	
20	·42	·45	42·0	39·7	39·6	53·5	3·7	1·7	·195	·210	74	86	NW 3	NW 1	10	0	—	Beautiful day, but with cold wind.
21	·57	·67	44·3	41·6	30·8	55·6	3·3	1·5	·221	·231	75	89	WSW 0·5	W 0·5	0	1	·018	⌓ early *a.* Beautiful day.
22	·71	·70	49·1	46·9	40·4	52·6	2·1	0·9	·297	·299	85	94	SW 1	SW 2·5	5	10	·060	Beautiful day.
23	·61	·63	47·8	42·2	42·0	53·4	0·8	2·1	·312	·225	94	85	SW 3	W 2	10	0	·120	● *a.*
24	·43	·10	43·9	45·1	35·1	47·7	1·1	0·4	·263	·291	91	97	SE 2	SW 1	10	9	393	● till *5p.* and from 6*p.* to 7.30*p.*
25	·24	·53	51·0	47·7	43·1	56·6	3·1	1·9	·297	·285	79	87	W 2	SW 2	5	10	·030	
26	29·74	29·96	50·8	50·0	42·2	61·7	0·6	1·4	·357	·324	95	90	SW 1	SW 1·5	8	8	·026	● till 7.30*a.* Beautiful day.
27	30·00	30·02	49·3	49·8	48·1	51·6	0·4	0·6	·341	·343	97	95	SW 2·5	SW 2	10	10	·007	
28	29·99	29·88	51·8	46·2	45·3	52·6	0·9	0·3	·361	·307	93	98	SSE 0·5	SSE 1	10	0	·002	⊕ ⌓² ≋ *p.*
29	29·88	29·99	50·0	45·7	42·9	60·6	0·9	1·8	·337	·267	94	87	NW 1	NW 1·5	10	0	—	Beautiful day. ⌓ *n.*
30	30·04	30·03	51·7	46·7	34·3	63·2	3·8	3·4	·290	·242	75	77	Calm 0	NNE 1·5	2	0	—	Beautiful day throughout. ⌓ *n.*
31	30·14	30·20	52·1	42·5	37·8	58·2	6·7	1·9	·234	·232	61	85	E 2·5	NE 2	0	5	—	Beautiful day throughout. ⌓⁰ *n.*
Mean	29·793	29·789	45·3	42·7	37·4	51·9	2·3	1·7	·256	·242	82·7	86·1		1·7		1·7	7·1	5·5	1·158	

BABBACOMBE.—MARCH 1890.

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	29·78	29·61	37·1	37·0	28·8	43·4	3·2	1·4	·162	·193	73	88	W 2	NE 4	8	10	·050	⚹ showers 8*a.*–1*p.* ⚹ ● (sleet) *1p.*
2	29·80	29·97	32·4	28·7	28·1	37·1	3·7	2·6	·111	·091	60	58	ENE 8	NE 7	4	8	—	Squally ◢ *a.* and *p.* [≋⁰ (mist).
3	30·08	30·16	29·9	28·0	24·7	32·3	2·9	3·7	·097	·065	59	43	NE 5	NNE 3	2	1	—	⚹° noon. Parhelion *4p.* and *5p.*
4	30·10	29·81	33·1	35·9	24·5	38·5	4·7	2·1	·103	·171	55	81	NE 2	WSW 4	2	10	·080	⊕⁰ 10*a.* and *3p.* ⚹ *9p.* ≋⁰ (mist).
5	29·68	·71	41·3	38·8	35·8	49·6	1·5	1·1	·228	·214	88	91	NNW 3	W 2	6	0	·020	● showers. ⌓ *p.*
6	·66	·66	48·0	46·7	38·2	56·7	3·1	1·7	·262	·278	78	88	NW 3	WNW 3	8	7	·010	●⁰ showers from 3*p.*
7	·62	·47	49·9	45·6	43·0	55·5	3·7	2·2	·270	·256	75	84	WNW 3	W 5	3	9	—	
8	·33	29·21	46·9	41·4	40·6	50·7	1·0	2·5	·297	·210	93	81	WSW 4	WNW 4	10	4	·200	● showers. Gloomy *p.* Squally.
9	·63	30·00	43·0	32·8	32·8	48·6	5·0	2·0	·181	·145	65	78	NNW 3	W 1	1	1	·010	⚹ *a.* Fine day. ⌓⁰ ≋⁰(mist) *p.*
10	29·92	29·97	47·4	49·6	32·4	51·1	0·4	1·4	·318	·319	97	90	WSW 5	W 4	10	10	·010	≋⁰ (mist) *a.* Dull, with ●⁰
11	30·03	30·12	52·7	50·3	48·5	55·7	3·8	2·1	·301	·311	75	85	WNW 4	W 3	8	9	—	Dull day.
12	30·08	29·93	50·1	46·1	46·1	52·8	3·7	2·6	·272	·252	75	82	WNW 3	WSW 2	10	10	—	Dull day.
13	29·72	·57	44·8	43·1	43·0	46·6	1·2	0·7	·269	·263	91	94	SSW 2	SSW 2	10	10	·010	Dull, with ● showers. ≋⁰ (mist) *p.*
14	·50	·40	46·3	43·9	42·4	53·7	1·1	0·9	·287	·266	92	93	S 2	SSW 2	10	3	—	Dull, with ≋⁰ (mist) *a.* ⌓² *p.*
15	29·22	29·04	47·2	46·1	42·1	49·3	1·1	1·2	·298	·283	93	91	SSW 4	SSE 4	9	2	·010	≋⁰ in past *n.* Zodiacal light *8p.* ⌓ *p.*
16	28·80	28·93	47·8	37·8	37·8	48·0	1·1	1·1	·305	·205	92	91	SSE 4	WSW 2	9	1	·230	⌓ Dull, with ● · Zodiacal light *p.*
17	29·09	29·16	44·9	37·0	32·4	53·3	3·4	1·0	·225	·200	76	91	W 1	SW 2	2	1	·080	⌓² *n.* and *p.* Fine day. Zodiacal light.
18	·06	·01	40·7	42·9	36·4	50·0	0·9	2·0	·235	·233	92	84	S 2	ENE 3	9	0	·010	≋⁰ (mist) *a.* ▲ *8a.* ⌓ *p.*
19	·21	·33	40·5	39·9	38·2	47·1	2·0	1·9	·211	·208	84	85	N 3	NNW 4	10	1	—	≋⁰ (mist) *a.* ⌓ *p.* Dull.
20	·31	·24	44·9	37·8	37·8	53·0	4·1	2·0	·213	·188	71	83	NNW 4	SW 3	6	0	—	Zodiacal light *8p.* ⌓ *p.*
21	·32	·44	46·8	43·9	31·3	50·8	4·5	0·9	·222	·266	70	93	WSW 1	SW 2	4	9	·080	⌓² *n.* ≋⁰ (mist) ● showers.
22	·48	·44	45·6	46·8	39·1	54·7	1·6	0·2	·269	·316	88	98	WNW 1	WSW 3	10	3	·180	≋⁰ (mist). ⊕ *11a.–2p.* ⌓ *p.*
23	·31	29·44	48·1	42·0	41·5	52·0	0·3	2·0	·294	·225	97	85	SW 5	WSW 3	10	0	·210	● showers *a.* ⌓⁰ *p.* [*1p.* ⊕ *2p.*
24	·04	28·83	44·4	43·7	38·6	49·6	0·3	0·8	·285	·267	98	93	SSE 5	SW 3	10	1	·350	Dull, with ● till *1p.* Squally ◢ (gale)
25	·05	29·35	49·0	45·6	41·4	55·9	4·2	1·8	·250	·264	72	87	WNW 4	WSW 4	3	1	·010	● showers *a.* and *p.* ⌓⁰ *p.*
26	·52	·72	54·1	49·5	44·4	61·5	4·1	0·6	·311	·339	74	95	WNW 4	SW 2	3	10	·020	● *n.* and *a.* ⌓ ≋⁰(mist) *p.*
27	·73	·76	49·7	48·8	48·8	52·2	0·1	0·0	·355	·345	99	100	SW 4	SSW 3	10	10	—	Scotch ≋ *p.*
28	·70	·60	49·9	43·9	43·3	50·8	0·0	0·0	·360	·287	100	100	SSE 2	Calm 0	10	10	·010	Dull, with ≋.
29	·67	·78	49·6	43·9	38·8	58·0	0·6	2·1	·340	·240	96	84	SW 3	NW 2	10	0	—	≋⁰ (mist) *a.* ⌓⁰ *p.*
30	·79	·79	49·8	47·9	35·5	56·2	4·5	4·2	·252	·238	71	72	NE 1	NE 2	2	0	—	⌓ *n.* Fine day. ⌓⁰ *p.* [(mist).
31	29·87	29·92	49·4	44·0	41·2	51·8	4·6	1·1	·245	·263	70	91	ENE 3	E 3	1	0	—	⌓ *n.* and *p.* Very fine day. ≋⁰
Mean	29·552	29·560	45·2	42·2	38·0	50·5	2·5	1·6	·253	·239	81·3	85·8		3·2		2·9	6·8	4·5	1·580	

LONDONDERRY.—MARCH 1890.

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	30·04	30·16	39·0	34·7	32·5	46·1	1·8	2·7	·203	·150	86	74	N 2	NE 3	3	0	—	Fine and clear.
2	·33	·46	33·2	32·2	28·0	44·1	3·0	2·1	·131	·138	70	75	NE 2	NE 1	8	10	—	
3	·51	30·38	32·0	36·8	27·0	41·0	2·2	2·1	·133	·179	73	82	NE 1	SW 3	10	5	·010	
4	30·04	29·90	43·7	43·7	34·6	48·2	1·7	2·9	·247	·223	86	78	SW 3	W 3	10	10	·070	● during day.
5	29·95	·81	44·5	48·0	40·8	49·6	3·2	2·5	·225	·274	77	83	N 3	NW 5	9	10	·080	
6	·72	·64	47·1	49·0	45·2	49·4	3·3	3·1	·248	·274	77	78	NW 3	WNW 5	7	10	·030	● at times during day.
7	·47	·40	48·6	41·1	40·0	50·5	3·3	2·4	·265	·209	77	81	SW 5	Calm 0	10	6	·220	◢ ● at times during day.
8	·07	·38	40·2	37·0	34·0	44·0	1·5	3·3	·218	·160	88	73	SW 2	NW 3	10	5	·270	Squally ◢ ● all day.
9	·82	·74	37·2	42·5	31·1	43·2	5·1	0·9	·135	·253	61	93	N 2	SW 3	2	10	·080	⚹ before *9a.*
10	·75	29·80	52·4	50·2	42·0	53·3	1·8	1·5	·345	·325	88	90	SW 3	S 5	10	10	·050	
11	·87	30·00	50·1	51·7	48·4	53·4	0·5	2·0	·349	·332	96	86	SW 3	S 3	10	10	·010	
12	·93	29·74	51·7	50·7	49·0	53·2	1·5	2·0	·344	·320	89	87	SW 3	S 5	10	10	·100	● during day.
13	·54	·63	46·7	39·2	38·5	50·7	3·0	1·9	·251	·203	79	84	SW 4	SE 2	10	0	·020	
14	·53	·27	41·4	43·9	35·0	50·1	2·7	3·6	·207	·212	80	74	SE 2	S 4	9	10	·120	
15	29·04	·02	42·2	39·7	38·9	44·7	1·7	1·0	·233	·224	87	92	SW 3	E 1	10	10	·900	● from 4*p.*
16	28·87	·05	38·7	38·7	37·0	44·8	1·0	1·0	·215	·215	92	92	SW 2	N 2	10	10	·050	
17	29·21	·20	36·7	37·7	32·8	50·3	1·7	1·4	·185	·198	85	88	SW 1	S 2	2	4	·030	Fine day. ●⁰ from 6*p.*
18	·26	·45	36·2	41·7	31·4	51·0	2·0	2·0	·177	·223	83	85	N 1	NE 1	1	0	—	Fine and clear.
19	·64	·73	39·6	42·6	33·4	52·2	1·8	1·9	·207	·232	85	85	N 1	NE 1	0	0	—	
20	·60	·37	43·0	39·1	37·5	53·0	2·3	2·0	·228	·200	82	84	N 2	NW 2	1	2	—	Fine and clear.
21	·46	·55	39·7	44·8	34·8	53·8	1·3	1·1	·218	·271	89	92	SSW 1	SW 2	1	5	·060	Fine till *4p.* ● in evening.
22	·46	·42	41·7	43·7	37·8	52·0	1·6	1·7	·230	·247	88	86	SW 2	S 2	10	5	·080	
23	·47	29·44	40·1	43·0	35·8	53·0	1·4	3·3	·219	·210	89	76	SSW 1	S 2	9	0	·060	● showers in evening.
24	·02	28·91	42·6	42·7	37·2	45·0	1·9	1·0	·232	·252	85	92	SW 3	S 1	10	10	·180	● all day.
25	·15	29·20	44·8	46·7	41·4	48·4	1·2	3·0	·269	·251	91	79	NW 1	S 3	10	10	·130	● at times.
26	·41	·59	47·0	47·7	42·0	52·2	3·4	3·7	·245	·246	77	75	SW 3	S 3	3	10	·010	● showers *a.*
27	·66	·75	49·8	47·7	45·8	57·0	4·2	3·0	·259	·260	73	79	SW 3	Calm 0	4	5	·020	
28	·81	·80	47·3	45·8	43·3	54·8	2·0	2·0	·278	·263	86	86	SW 2	S 1	7	10	—	
29	29·73	29·89	48·7	44·8	42·2	53·2	4·0	2·0	·251	·251	73	85	SE 3	W 2	9	0	·020	Fine day.
30	30·02	30·14	47·5	38·7	37·0	55·1	3·8	2·0	·242	·197	74	84	NE 1	ENE 1	10	0	—	Fine day.
31	30·21	30·16	38·7	45·5	31·9	58·1	1·9	4·7	·198	·208	85	69	WSW 1	S 1	0	0	—	Fine day.
Mean	29·631	29·647	43·0	42·9	37·6	50·2	2·3	2·3	·232	·232	82·3	82·8		2·2		2·3	6·9	6·0	2·600	

ARMAGH.—MARCH 1890.

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	29·88	30·00	38·0	32·5	31·0	42·5	3·4	1·9	·167	·144	72	78	NNW 1	ENE 1	9	8	—	
2	30·18	·31	34·2	31·4	27·1	38·5	2·2	1·0	·154	·153	78	86	ENE 1	Calm 0	3	10	—	⌓ early *a.*
3	30·38	30·26	31·2	35·6	26·2	43·6	0·5	1·9	·163	·174	93	83	NE 0·5	NNW 1	0	9	—	
4	29·98	29·72	39·0	41·8	3 °0	47·5	1·2	2·0	·214	·225	90	85	SW 3	NW 2	10	10	·045	
5	·82	·68	42·8	45·8	38·	51·6	2·3	1·9	·227	·266	83	86	NW 1	WNW 3	10	10	·019	
6	·60	·55	47·7	47·8	44·8	52·9	2·1	2·3	·281	·277	85	84	WNW 3	WSW 2	10	10	—	
7	·41	·28	48·2	41·3	40·8	51·3	3·1	1·5	·263	·229	79	88	WSW 3	NW 1	10	8	·048	
8	·00	·26	42·0	35·2	34·0	44·5	1·0	1·7	·245	·173	92	84	SSW 3	NW 2	10	8	·185	▲ showers noon.
9	·74	·67	38·1	42·0	31·0	44·6	3·2	1·2	·170	·241	73	91	WNW 1	SSW 3	0	10	·262	⚹ *a.*
10	·69	·75	50·7	50·3	42·0	53·5	1·0	1·9	·345	·316	93	87	SW 2	SW 3	10	10	·008	Overcast all day.
11	·80	·90	53·0	51·0	49·2	55·2	2·1	1·3	·345	·341	85	91	SW 4	SW 4	9	10	—	
12	·85	·68	51·2	49·9	49·4	54·5	1·6	2·2	·335	·304	89	86	SW 4	SW 4	10	10	·022	Overcast all day.
13	·47	·55	47·9	39·6	39·0	50·5	2·8	2·7	·266	·192	81	78	SW 4	SW 1	10	9	—	
14	29·44	29·18	41·3	42·0	33·5	49·5	2·7	5·0	·206	·174	79	66	S 3	S 5	9	10	·080	
15	28·94	28·86	45·5	45·1	39·5	46·0	1·2	0·6	·277	·286	91	95	S 4	S 2	10	10	·920	● all day.
16	28·76	28·94	38·0	37·0	36·9	45·9	0·3	0·3	·222	·214	97	97	WSW 1	WNW 0·5	10	10	·080	
17	29·11	29·11	41·4	36·6	32·0	48·6	2·4	1·0	·212	·197	82	91	WSW 1	SW 1	3	10	·038	
18	·12	·29	39·8	39·7	31·4	45·5	2·1	1·0	·204	·224	84	92	S 1	ESE 1	0	10	·044	
19	·51	·57	43·0	37·0	31·2	50·6	2·5	0·3	·225	·214	81	97	E 0·5	Calm 0	2	4	—	
20	·45	·24	47·2	34·1	31·7	52·5	2·5	1·7	·266	·163	83	82	N 1	NNW 1	1	0	—	
21	·35	·45	41·8	41·3	31·3	52·6	1·3	0·7	·238	·245	90	95	SW 1	SW 1	0	9	—	
22	·38	·35	39·5	43·5	35·0	48·5	1·0	1·7	·222	·246	92	86	S 2	SW 1	10	10	·122	
23	29·35	29·34	43·0	41·1	38·7	52·5	1·4	3·1	·247	·196	89	76	Calm 0	SSW 1	10	0	·110	
24	28·92	28·66	42·0	41·8	38·8	43·5	0·8	0·2	·249	·260	94	99	SE 6	NNE 1	10	10	·468	
25	29·02	29·21	43·5	43·8	40·9	48·6	1·0	2·0	·260	·243	92	84	N 1	SSW 1	10	10	·009	
26	·35	·49	48·9	47·5	42·5	53·6	4·1	2·7	·252	·266	73	82	WSW 3	SSW 2	3	10	—	
27	·60	·63	51·0	48·0	45·9	54·8	4·0	1·8	·276	·290	74	87	SW 2	SW 0·5	10	10	·105	Overcast all day.
28	·69	·69	48·0	46·7	44·4	53·8	1·2	4·0	·304	·230	92	73	Calm 0	SW 0·5	10	10	·025	
29	·66	29·79	49·4	43·7	41·0	55·5	4·1	1·9	·257	·244	73	85	SW 2	WSW 1	8	2	—	
30	29·89	30·00	48·0	36·7	35·7	52·5	3·0	1·3	·263	·193	79	89	WSW 0·1	NNE 1	8	0	—	
31	30·06	30·04	42·8	42·7	28·7	53·5	3·0	3·4	·213	·205	78	75	NNE 1	SSE 1	0	0	—	Fine day.
Mean	29·528	29·530	43·8	41·7	36·9	49·6	2·1	1·8	·244	·230	84·4	85·7		1·9		1·6	6·9	8·0	2·590	

Markree Castle (Sligo).—March 1890.

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.						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	29·94	30·07	42·5	29·9	29·2	45·8	1·2	0·9	·246	·142	90	85	NNW 1	NNE 0·5	9	3	·020	—
2	30·25	·39	33·0	25·8	23·3	42·0	2·8	0·2	·133	·134	71	96	Calm 0	Calm 0	4	4	—	
3	·46	30·36	28·6	25·2	17·1	40·7	1·1	1·7	·126	·173	81	84	Calm 0	SSE 0·5	3	10	·010	
4	30·08	29·88	41·4	45·3	32·7	48·8	1·1	3·4	·238	·229	91	75	S 1	NNW 4	10	10	·050	Overcast all day.
5	29·95	·84	44·4	47·0	40·6	50·0	2·1	1·3	·246	·291	84	91	NNW 2	NW 3	7	9	·020	
6	·75	·72	47·5	48·3	45·3	49·1	1·0	2·0	·304	·289	93	86	WNW 4	WSW 3	10	10	·020	Overcast all day.
7	·52	·37	47·8	42·2	41·8	53·0	3·2	1·7	·258	·233	78	88	WSW 4	NNW 0·5	10	9	·110	
8	·10	·40	41·3	39·0	34·1	45·3	0·9	5·0	·241	·149	93	63	WSW 1	NNW 3	10	8	·120	Changeable, with ● showers.
9	·84	·75	39·3	45·7	31·3	45·7	4·0	0·6	·167	·293	70	96	Calm 0	SSW 3	9	10	·320	✳ in past *n*.
10	·79	29·82	50·8	50·4	45·0	54·0	0·7	1·5	·353	·328	95	90	WSW 1	SSW 5	10	10	·010	
11	·89	30·00	52·0	51·8	49·5	56·3	1·9	1·7	·338	·341	87	88	WSW 3	WSW 2	9	10	·020	
12	·92	29·72	51·0	49·1	48·4	53·9	0·5	1·5	·361	·311	97	89	WSW 2	SW 5	10	10	·010	Overcast all day.
13	·55	·60	46·0	37·2	35·3	50·6	2·7	1·2	·250	·198	81	89	W 1	S 1	10	6	—	
14	29·45	29·14	42·9	43·6	33·0	50·1	2·4	2·6	·226	·228	83	80	S 2	SSW 5	7	9	·200	
15	28·98	28·93	41·1	38·9	38·1	45·1	1·0	0·7	·236	·223	92	95	SSE 2	Calm 0	10	10	·610	
16	28·87	29·03	38·9	32·1	31·2	44·9	0·9	0·5	·219	·171	93	93	WNW 1	Calm 0	10	2	·030	Snow on mountains.
17	29·18	·15	40·1	34·6	25·2	48·2	2·2	0·5	·204	·191	82	95	S 1	SSE 1	3	6	·010	
18	·13	·33	35·5	41·7	28·9	48·0	1·2	1·5	·185	·232	89	89	SE 2	SE 1	9	10	—	
19	·57	·68	43·2	38·0	33·8	48·5	2·8	0·4	·221	·220	79	96	NW 0·5	W 0·5	9	9	—	
20	·55	·32	44·5	33·3	32·1	48·1	2·2	0·0	·244	·190	83	100	NW 1	Calm 0	6	4	—	
21	·42	·54	41·1	39·3	23·9	48·5	1·6	1·0	·224	·221	87	92	*SSW* 0·5	SSW 0·5	9	6	·080	
22	·38	·39	42·0	41·0	31·1	52·9	0·6	0·6	·254	·244	95	95	SSE 1	Calm 0	10	9	·100	
23	29·43	29·34	45·4	38·3	32·7	53·1	2·0	1·0	·258	·211	86	92	WSW 1	SSE 1	4	4	·110	
24	28·83	28·82	44·0	43·3	37·6	49·6	0·5	0·7	·277	·265	96	95	ESE 5	Calm 0	10	10	·530	
25	29·14	29·24	45·1	45·4	40·3	51·0	1·0	0·7	·276	·288	92	96	NNW 1	SSW 2	10	10	·040	*a*. ●
26	·43	·51	47·0	46·7	42·3	54·1	2·7	1·0	·260	·296	81	93	WSW 1	SSE 1	10	10	·050	
27	·64	·68	51·0	46·0	45·2	57·4	2·4	1·5	·313	·276	84	90	SSW 1	Calm 0	9	10	·050	
28	·76	·96	47·1	45·1	41·5	54·2	1·0	2·0	·300	·254	93	85	SSE 0·5	S 0·5	10	10	·010	Overcast all day.
29	·75	29·89	49·8	41·0	37·1	55·3	4·3	0·9	·258	·237	72	93	WSW 2	Calm 0	8	5	·020	
30	29·96	30·04	48·3	41·9	37·4	53·7	3·3	2·5	·261	·216	77	82	*N* 0·5	NNE 1	8	2	—	
31	30·12	30·09	46·8	40·2	29·4	55·6	3·5	1·9	·241	·211	76	85	E 1	SE 1	2	1	—	Sunny day.
Mean	29·600	29·605	43·9	41·2	35·3	50·1	1·9	1·4	·249	·235	85·5	89·2		1·4		1·5	8·2	7·6	2·550	

Dublin (Phœnix Park).—March 1890.

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	29·96	30·05	35·6	36·8	30·3	41·9	0·1	3·3	·207	·160	100	73	W 1	ENE 1	10	4	·030	Dull, with ●^{0} *a*. ✳^{0} ●^{0} (sleet) *p*.
2	30·22	·37	37·0	34·2	31·6	38·9	4·5	2·1	·142	·156	65	79	ENE 1	NE 1	3	8	·010	Cloudy, with frequent ✳^{0} showers.
3	·44	30·42	35·0	29·7	27·5	40·0	3·3	1·2	·144	·133	70	80	NE 1	Calm 0	2	5	—	Beautiful day.
4	30·17	29·85	37·4	45·0	28·9	46·3	1·9	0·5	·187	·287	84	96	WSW 1	WNW 1	8	10	·050	Dull and cloudy. ●^{0} showers *p*.
5	29·94	·83	42·7	44·3	39·5	48·8	2·0	0·9	·232	·270	85	93	W 2	W 2	7	1	—	
6	·73	·74	48·3	47·2	43·7	53·6	2·4	1·2	·281	·295	83	92	W 3	W 2	8	6	—	
7	·62	·37	46·8	47·3	44·6	52·6	2·1	0·5	·270	·314	85	97	WSW 3	WSW 3	4	8	·110	Squally, with ●^{0} showers *p*.
8	·21	·36	46·3	46·4	36·2	49·6	1·4	1·5	·281	·187	90	87	SW 2	W 2	8	1	·120	●^{2} *a*. and *p*. ▲^{2} shower 11*a*. then
9	·87	·92	36·3	42·7	29·7	45·1	2·2	3·0	·174	·213	81	78	W 1	SSW 2	1	7	·220	Beautiful day. [R.
10	29·88	29·96	51·9	51·0	42·1	52·6	0·9	1·6	·362	·333	94	89	W 3	SW 2	9	10	·005	Dull and squally, with ●^{0} showers.
11	30·01	30·10	51·8	51·4	50·3	55·3	1·8	0·8	·338	·359	87	94	WSW 2	WSW 2	8	6	—	Dull and cloudy.
12	30·03	29·92	54·0	49·6	49·4	59·5	3·8	2·2	·315	·301	75	85	WSW 3	SW 2	2	10	—	Bright and squally *a*. Cloudy *p*.
13	29·62	·69	48·1	41·1	40·9	49·7	1·1	1·8	·308	·220	92	85	SSW 3	Calm 0	10	10	·050	●^{2} showers *a*. Dull day.
14	·59	·39	44·5	44·2	31·7	50·8	4·2	4·2	·207	·203	70	70	SW 1	S 3	2	10	—	Beautiful day. Squally *p*.
15	29·10	·04	49·2	47·0	42·7	50·0	3·9	1·5	·259	·287	74	90	S 3	SSE 2	7	10	·240	Dull, cloudy, and squally. ● showers
16	28·87	·06	36·4	38·6	34·9	47·6	1·2	0·6	·193	·222	90	95	SW 1	WNW 1	10	2	·040	Dull, with ●^{0} *a*. Cloudy *p*. [*p*.
17	29·23	·26	39·3	39·0	32·3	49·2	1·8	1·1	·206	·216	86	91	WSW 1	SW 1	1	4	·065	Beautiful day.
18	·23	·35	41·1	40·9	28·1	47·4	2·1	0·6	·214	·243	83	95	Calm 0	Calm 0	2	10	·110	≋^{2} ⌒ *a*. Cloudy with ●^{0} showers.
19	·54	·64	42·8	41·2	29·9	48·6	2·6	0·8	·221	·242	80	94	NE 1	Calm 0	2	1	·010	Beautiful day.
20	·56	·38	38·4	40·7	32·3	50·0	0·3	1·3	·226	·226	98	89	NW 1	Calm 0	8	4	—	Beautiful day.
21	·49	·59	42·7	44·5	31·3	52·0	3·4	1·0	·205	·271	75	92	W 1	W 1	2	1	—	Bright *a*. Cloudy *p*.
22	·49	·44	44·2	44·3	32·7	51·0	2·7	1·6	·232	·256	80	88	SSW 1	WSW 1	8	2	·300	Dull, with ●^{0} showers.
23	·44	29·50	41·9	37·1	36·9	51·1	0·2	0·9	·261	·203	99	92	WSW 1	Calm 0	10	0	·130	Dull, with ● *a*. Bright *p*.
24	·02	28·84	43·5	43·1	36·2	44·4	0·8	0·6	·264	·265	94	95	SE 4	SW 1	10	10	·840	Squally 🌈 *a*. Dull, with ●^{0} all day.
25	·06	29·41	43·3	44·7	41·4	50·2	0·3	2·0	·273	·251	98	86	WNW 2	WSW 1	10	4	·005	Dull, with ● *a*. Cloudy *p*.
26	·53	·68	49·9	49·0	43·9	51·1	2·9	2·5	·287	·287	81	83	WSW 2	S 1	2	6	·010	Beautiful day.
27	·71	·75	52·4	49·4	46·4	56·6	2·0	0·3	·340	·344	87	98	WSW 1	Calm 0	7	10	·240	Dull day. ●^{0} *p*.
28	·78	·81	52·4	47·0	46·6	53·6	0·8	0·4	·371	·313	94	97	Calm 0	Calm 0	8	10	·400	Dull day. ●^{0} *p*.
29	·81	29·90	48·4	43·3	41·3	55·2	1·9	1·6	·293	·246	87	88	WSW 2	W 1	5	1	—	Beautiful day.
30	29·98	30·04	44·5	40·5	37·3	55·0	1·0	0·3	·271	·245	92	98	W 1	Calm 0	4	1	—	Beautiful day.
31	30·12	30·13	44·7	39·0	32·9	51·0	2·0	0·1	·251	·236	86	99	NE 1	Calm 0	5	1	—	Beautiful day. ≋^{0} 10 *p*.—11.30 *p*.
Mean	29·653	29·670	44·2	42·9	37·2	50·0	2·0	1·4	·252	·251	85·3	89·3		1·6		1·1	5·9	5·6	2·985	

Parsonstown (Birr Castle).—March 1890.

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.		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	29·03	29·98	37·1	30·9	29·0	44·6	0·3	1·1	·215	·146	97	84	Calm 0	WNW 1	10	2	—	≋^{0} (mist) *a*. ⌙ [≋^{0} (mist).
2	30·16	30·31	33·4	28·2	23·4	38·7	2·5	0·4	·142	·143	74	93	E 1	Calm 0	1	2	—	⌙^{2}*n*. Cold and very bright. ✳
3	·40	30·36	30·1	30·3	24·6	40·6	1·2	1·5	·137	·131	81	77	Calm 0	Calm 0	2	10	—	⌙^{2}*n*. ✳^{0} ≋^{0} (mist) *a*. Bright
4	30·15	29·87	37·5	45·0	29·6	46·9	1·7	1·9	·192	·255	85	86	SW 1	NW 3	10	10	·020	∞ *a*. Day dull, with ●^{0}. [and cold.
5	29·95	·86	43·4	44·7	38·0	49·0	2·3	1·5	·232	·261	82	88	NW 1	NW 3	7	6	·015	Cold, bright, and gusty *a*.
6	·78	·76	47·9	45·9	42·2	53·7	1·9	1·1	·286	·284	87	93	W 2	WNW 4	9	0	—	Bright *a*. Day mild. Squally *p*.
7	·61	·38	46·5	47·3	43·7	51·0	2·5	0·5	·259	·314	83	97	NW 3	WNW 4	8	10	·080	Cold and bright *a*. Squally, with ● *p*.
8	·18	·39	45·7	34·9	34·2	48·5	1·6	0·9	·270	·185	89	91	SW 2	NW 4	7	0	·128	Squally, with ●^{0} showers. [*p*. ●9*p*.
9	·84	·85	35·6	43·6	28·8	46·7	1·8	0·8	·175	·266	83	93	Calm 0	SW 4	1	10	·130	⌙✳^{0}*n*. Day bright and cold. Squally
10	·85	29·91	50·7	49·8	42·2	52·7	0·8	1·7	·350	·315	94	88	SW 2	SW 5	10	10	—	Dull and windy. Squally *p*.
11	29·97	*30·03*	51·6	51·3	48·7	55·7	1·8	1·8	·335	·332	88	88	SW 3	W 3	10	10	·010	Dull and gusty, with ● showers.
12	30·00	29·82	52·9	48·9	48·3	56·9	2·9	2·6	·323	·284	81	82	SW 1	SW 3	10	10	—	Dull, with ∞ *a*. Day very mild. V
13	29·59	·62	48·6	38·7	38·6	49·1	2·6	1·1	·280	·213	82	91	SW 2	Calm 0	10	9	—	Dull and mild, with ∞. [9*p*.
14	29·51	29·24	42·3	43·6	31·4	50·8	3·1	2·8	·208	·224	77	79	SE 1	S 3	2	10	·210	⌙*n*. Fine and bright.
15	28·99	28·86	42·0	40·8	39·7	46·3	0·5	0·3	·256	·250	96	98	Calm 0	Calm 0	10	10	1·320	● all day.
16	28·86	29·01	38·6	36·9	29·9	48·7	0·8	1·0	·218	·199	93	91	WNW 1	Calm 0	10	8	—	●^{2}✳^{0}*n*. ∞ *a*. Bright from 11*a*.
17	29·16	·16	37·8	35·3	28·8	48·6	1·2	0·4	·203	·199	90	96	Calm 0	Calm 0	0	10	—	⌙*n*. Very bright. 🌈 5*p*.—6*p*.
18	·08	·25	40·6	41·2	30·2	48·2	2·6	0·9	·201	·240	80	93	SE 2	Calm 0	9	10	—	⌙*n*. Fine and bright *a*.
19	·52	·63	39·8	41·0	33·8	49·3	0·8	0·8	·228	·239	94	94	Calm 0	NW 1	2	10	—	Bright *a*. ∞^{2}.
20	·53	·31	42·1	34·5	31·2	49·5	1·8	1·0	·230	·189	86	90	NW 1	Calm 0	1	0	—	Bright and cold.
21	·40	·55	41·3	39·7	27·9	52·7	1·4	1·8	·230	·208	89	85	Calm 0	Calm 0	9	0	·090	Mild *a*. [(mist) 9*p*.
22	·43	·41	42·3	44·5	32·4	53·3	0·5	1·5	·259	·259	96	89	Calm 0	S 1	10	10	·468	Dull, with ● *a*. Mild day. ≋^{0}
23	29·41	29·38	39·8	39·2	34·1	50·9	0·8	1·4	·228	·212	94	88	Calm 0	SE 1	9	0	·050	Dull, with ● *a*. ≋^{0} (mist) *a*. and *p*.
24	28·80	28·79	47·3	44·9	37·8	49·7	1·2	1·1	·297	·272	92	92	SE 3	W 3	10	10	·350	●≋^{0} (mist) 9*a*. Mild, with ●^{2}.
25	29·11	29·29	44·9	45·9	42·1	54·0	1·0	1·0	·274	·286	92	93	NW 2	S 2	10	10	·050	● showers *a*. Fair and warm in after-
26	·47	·53	50·3	47·4	43·0	53·5	3·3	0·4	·283	·317	78	97	W 3	SSE 4	5	10	·050	Bright and squally. ● showers. [noon.
27	·64	·65	51·1	49·6	46·1	54·8	1·5	1·6	·337	·314	89	89	SW 1	Calm 0	10	10	·088	Dull and mild. ● 5*p*.—9*p*.
28	·72	·76	47·0	45·0	44·2	52·7	0·4	3·9	·313	·216	97	73	Calm 0	Calm 0	10	10	·060	≋^{0} (mist) *a*. Mild, with ●.
29	·77	·88	48·9	41·6	39·1	54·6	3·1	1·7	·273	·227	79	87	W 1	SSW 1	8	0	—	⌙^{2}*a*. Fine and bright.
30	29·93	29·98	42·7	41·9	33·9	55·8	0·7	2·6	·259	·213	94	81	Calm 0	Calm 0	6	0	—	≋ till 8*a*. Fine and bright.
31	30·06	30·05	46·5	43·6	31·1	56·7	6·6	2·9	·184	·222	59	78	NE 1	Calm 0	0	0	—	⌙*n*. ∞ *a*. Very fine and bright.
Mean	29·606	29·607	43·4	41·8	35·8	50·5	1·8	1·4	·248	·239	86·5	88·5		1·1		1·6	7·0	6·7	3·119	

Swanbister.—April 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8′ W. Lat. 58° 56′ N. Gravity Correction, + ·036.

1													SSW 1	W 2				Observations, except with anemometer, temporarily discontinued owing to change of station.
2													Calm 0	Calm 0				
3													SW 1	Calm 0				
4													Calm 0	NW 1				
5													WSW 4	W 1				
6													SW 3	SW 4				
7													NNW 6	NNW 3				
8													N 8	N 6				
9													NNW 3	N 1				
10													NNW 4	NNW 4				
11													N 4	N 3				
12													Calm 0	NNW 1				
13													Calm 0	SE 2				
14													S 4	SSE 4				
15													SE 5	ESE 4				
16													E 4	E 2				
17													E 1	SE 1				
18													E 1	Calm 0				
19													E 1	SE 2				
20													ESE 2	SSE 5				
21													SE 7	SSW 3				
22													SE 6	W 5				
23													W 6	W 5				
24													SW 3	Calm 0				
25													W 2	NNE 1				
26													N 4	N 5				
27													NNW 5	N 2				
28													NNE 3	ENE 1				
29													SE 1	SE 4				
30													SE 5	E 1				
Mean														3·1		2·4		

DUNROBIN CASTLE.—APRIL 1890.

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.		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	30·17	30·13	41·9	38·9	38·9	43·7	3·2	4·4	·204	·158	77	67	S	SW	—	—	—	Dull *a*. Then fine and mild.
2	·14	·08	48·0	46·6	37·9	54·9	3·3	3·1	·257	·248	77	79	S	S	—	—	—	Fine and mild.
3	·06	·08	44·6	43·4	37·4	54·4	2·1	1·4	·248	·251	84	89	S	SE	—	—	—	Fine and mild.
4	·05	30·08	42·4	45·4	40·7	59·4	2·4	1·7	·221	·264	82	88	SE	W	—	—	—	Fine day, but colder.
5	30·03	29·87	45·4	43·6	41·9	54·3	1·4	2·6	·271	·228	90	80	S	SW	—	—	—	Fine and clear.
6	29·64	·25	44·4	44·2	39·7	54·3	1·4	2·2	·260	·242	89	83	W	NW	—	—	·420	Fine and clear. ● *p*.
7	·33	·54	42·4	37·9	37·9	49·7	1·4	1·6	·241	·197	89	87	E	NE	—	—	·220	Cold *a*. ● showers *a*. and *x*.
8	·63	·91	43·6	38·4	35·9	46·7	4·9	3·1	·187	·174	65	75	N	N	—	—	—	Blowy *a*. Cold *p*.
9	·89	·77	38·6	37·4	36·2	42·5	3·3	2·1	·173	·183	74	82	NE	NE	—	—	·090	Dull *a*. Milder *p*.
10	·86	·96	40·6	33·8	33·8	47·7	3·8	3·5	·181	·129	72	67	E	NE	—	—	—	Dull *a*. Clear *p*.
11	·98	·91	42·9	36·5	32·8	47·0	4·6	3·0	·187	·162	69	75	NE	NW	—	—	·050	✳ showers *a*. Clear and cold *p*.
12	·83	·79	43·6	34·3	34·3	44·5	3·6	1·8	·209	·163	74	82	S	S	—	—	—	Fine and clear.
13	·71	·64	38·9	40·6	31·2	39·7	2·8	1·3	·184	·225	79	89	SW	NE	—	—	—	Fine and clear.
14	·69	·71	42·9	43·6	28·7	44·7	2·9	4·1	·216	·201	79	71	SE	SE	—	—	—	Fine and clear.
15	·70	·74	42·4	43·4	31·5	47·0	2·1	3·9	·237	·202	84	73	S	S	—	—	—	Dry, with cold wind.
16	·75	·80	43·6	42·9	42·9	46·3	0·3	0·6	·277	·263	97	95	SE	SE	—	—	·050	Cold wind.
17	·82	29·91	43·6	43·6	41·2	45·3	0·3	1·9	·277	·243	97	86	SE	SE	—	—	—	Cold wind.
18	29·95	30·00	44·9	42·4	41·5	47·5	0·6	2·7	·283	·216	95	80	SE	S	—	—	—	Milder *a*. Cold wind *p*.
19	30·03	30·01	45·2	42·9	41·5	49·7	1·9	1·9	·258	·235	86	85	W	SE	—	—	—	Milder *a*. Cold *p*.
20	29·94	29·94	43·6	47·5	35·2	49·3	3·3	3·2	·215	·255	76	78	W	W	—	—	·050	Cold wind.
21	·74	·60	48·3	48·3	43·9	56·0	2·0	3·8	·289	·251	86	74	S	SW	—	—	·210	Milder.
22	·21	·42	45·9	43·9	43·9	49·7	0·6	0·6	·296	·273	96	95	NW	NW	—	—	·390	● showers *a*. and *p*.
23	·47	·57	49·0	44·4	43·9	52·0	5·7	2·4	·222	·240	64	82	S	SW	—	—	·230	● showers *a*.
24	·43	·35	46·6	42·4	41·8	52·0	2·3	2·9	·265	·212	84	79	S	SW	—	—	·040	Mild and calm.
25	·32	·48	45·6	43·9	40·5	52·0	1·6	2·9	·269	·225	88	78	S	SW	—	—	·480	Fine *a*. ▲^{2} showers *p*.
26	·71	29·91	47·7	45·6	40·7	53·3	2·4	1·6	·274	·269	83	88	E	NE	—	—	—	
27	·99	30·01	45·4	42·4	41·9	50·5	0·0	2·9	·304	·212	100	79	SW	SW	—	—	—	
28	·96	29·85	45·9	42·6	41·9	50·5	2·9	2·9	·245	·214	80	79	W	W	—	—	—	Fine *a*.
29	·89	·90	46·6	46·6	40·7	51·5	1·6	2·3	·280	·265	89	84	W	W	—	—	·040	Fine day.
30	29·90	29·98	50·7	52·5	45·7	54·5	8·7	4·0	·187	·294	51	74	S	SW	—	—	—	Fine day.
Mean	29·794	29·806	44·5	42·7	38·9	49·7	2·6	2·5	·240	·223	81·9	80·8	—	—	—	—	2·270	

BRAEMAR.—APRIL 1890.

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	28·95	28·92	40·6	43·6	29·2	55·0	2·6	2·3	·201	·234	80	82	SW	0·5	SW	0·5	7	7	—	Fine day.
2	·90	·87	40·9	41·6	31·7	58·3	2·2	2·1	·211	·220	84	84	SW	0·5	SW	0·5	5	0	—	Fine day.
3	·87	·92	40·8	40·6	29·2	59·3	2·3	2·3	·209	·207	82	82	SW	0·5	SW	0·5	5	0	—	≋^{0} (mist) 9*a*. Fine day.
4	·93	·83	46·6	43·8	27·0	59·0	6·9	3·3	·180	·217	57	75	S	0·5	SW	0·5	0	8	—	Fine day.
5	·82	·72	44·8	39·6	39·6	54·2	5·3	2·6	·191	·193	64	79	SW	0·5	SW	0·5	6	4	·020	Fine day.
6	·48	·15	42·8	43·4	36·3	51·4	3·1	2·9	·212	·221	77	78	SW	0·5	SW	4	4	10	·100	Fine day.
7	·04	·36	37·6	35·5	34·8	47·3	2·1	1·8	·186	·174	82	84	N	6	NW	2	9	9	·230	✳ and ✳ ● (sleet).
8	·38	·59	34·7	34·2	32·4	43·2	2·0	2·3	·162	·152	80	78	NW	8	NW	6	8	8	·150	Stormy, with ✳ and ✳ ● (sleet).
9	·64	·54	34·7	33·4	32·0	38·8	3·0	1·4	·144	·163	72	85	N	2	N	1	8	8	—	Dull and cold.
10	·59	·64	35·0	33·7	31·4	43·0	2·6	2·0	·154	·153	75	79	NE	2	NE	2	6	2	—	Dull and cold.
11	·70	·69	34·7	33·0	31·4	41·0	2·7	1·3	·150	·161	74	85	NE	0·5	NE	0·5	4	3	·020	Dull and cold.
12	·57	·55	35·7	33·0	26·0	43·0	3·8	1·3	·143	·161	67	85	NE	0·5	SE	0·5	4	5	—	Dull and cold.
13	·48	·45	28·7	32·1	23·4	41·8	1·0	3·1	·129	·117	83	64	E	0·5	E	0·5	1	0	·030	≋ *a*. Cold *p*.
14	·46	·49	29·0	36·0	21·8	45·4	1·0	2·0	·130	·175	82	82	SE	0·5	S	0·5	8	8	·030	✳ showers.
15	·44	·48	40·3	36·7	34·2	46·6	3·0	2·7	·191	·168	76	77	SE	1	N	1	8	8	·070	Fine day.
16	·48	·53	39·6	39·4	35·8	43·0	0·8	0·7	·227	·228	93	95	E	0·5	NE	0·5	10	10	·200	Dull, with ●
17	·53	·63	39·0	36·8	36·8	43·8	1·5	0·8	·209	·202	88	93	E	1	E	1	10	9	·030	Dull day.
18	·64	·80	37·8	39·3	35·8	43·0	0·5	0·8	·216	·235	96	94	E	0·5	E	0·5	9	6	·020	Dull day.
19	·82	·84	40·8	35·7	35·0	45·0	1·3	2·0	·228	·173	90	83	E	1	E	0·5	8	4	—	Dull and cold.
20	·88	·77	39·6	41·6	37·3	45·4	4·3	3·1	·164	·202	68	78	S	1	S	2	6	8	—	Dull and cold.
21	·63	·50	46·6	43·9	39·7	53·2	3·1	5·2	·248	·184	79	64	S	2	SW	2	8	7	·340	Dull day.
22	·13	·27	41·6	40·8	40·0	48·0	2·7	2·1	·209	·212	80	84	SW	6	SW	2	7	7	·100	● *a*. Dull *p*.
23	·33	·42	42·6	41·0	38·2	51·2	1·9	3·3	·233	·192	86	75	SW	2	SW	1	7	4	·010	Cold, with ● showers.
24	·33	·21	42·6	36·0	36·0	49·0	4·1	1·3	·194	·188	72	88	SW	0·5	W	0·5	7	3	·020	●^{0} showers.
25	·15	·27	42·6	37·0	34·0	51·3	4·9	0·6	·180	·208	66	95	SW	2	NE	0·5	5	6	·100	Fine *a*. ● showers *p*.
26	·47	·64	41·2	40·4	32·8	48·6	2·7	1·9	·205	·213	80	85	N	2	NE	1	8	7	·320	▲ showers.
27	·73	·76	39·8	37·6	36·8	47·0	3·2	4·1	·185	·153	75	68	NW	1	NE	2	8	5	—	Cold with ● showers.
28	·75	·63	38·9	40·6	33·8	46·2	3·0	2·1	·180	·211	77	84	NE	2	NE	1	7	8	—	Fair, but cold.
29	·61	·62	44·9	42·6	35·3	52·8	4·4	3·8	·208	·199	69	74	N	0·5	SW	1	5	7	—	
30	28·72	28·82	44·8	44·3	33·0	57·4	1·3	4·6	·267	·198	90	67	S	0·5	S	0·5	8	7	—	Fine day.
Mean	28·582	28·597	39·6	38·6	33·0	48·4	2·8	2·3	·192	·190	78·1	80·9		1·6		1·2	6·5	5·9	1·790	Fine day.

LAUDALE.—APRIL 1890.

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.		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	30·18	30·15	46·3	49·2	37·8	54·3	4·1	2·2	·226	·296	72	85	ENE 3	Calm 0	7	10	—	Warm, with ∞.
2	·11	·05	52·0	45·4	41·8	60·1	4·6	3·4	·274	·230	71	76	Calm 0	Calm 0	0	0	—	Bright and warm. ∞^{2}
3	·12	·13	47·0	41·4	37·5	59·3	5·0	1·9	·214	·222	67	86	Calm 0	Calm 0	0	0	—	Fine and bright *a*. ∞
4	·09	30·11	50·4	47·8	38·3	56·3	5·9	2·1	·233	·281	64	85	ENE 1	Calm 0	0	10	·010	Fine and bright *a*.
5	30·10	29·92	46·1	46·3	38·5	58·7	2·1	4·3	·264	·222	85	71	Calm 0	SSW 1	3	10	·280	Fine and bright *a*. Dull at times *p*.
6	29·69	·36	47·3	46·6	36·5	57·0	2·9	1·9	·259	·274	80	87	WSW 2	WSW 3	8	10	·850	Snow on hills. Cold all day. ● *p*.
7	·37	·61	44·8	40·7	38·5	57·1	2·8	1·8	·235	·217	79	86	NNW 3	N 5	8	7	·160	▲^{2} ●^{2} showers *a*. and *p*.
8	·76	·95	39·8	40·7	35·0	45·5	1·8	4·7	·212	·166	86	65	N 5	N 4	7	4	·070	Snow half way down hills. ●^{2}
9	·90	·75	41·7	38·6	36·5	45·2	4·3	1·8	·183	·199	70	85	N 2	NNW 2	7	10	—	✳ showers. [showers.
10	·85	·94	42·0	39·0	35·6	56·9	3·1	2·8	·205	·185	77	78	N 1	Calm 0	5	3	—	
11	·98	·91	41·6	38·5	33·9	48·2	4·1	3·2	·185	·173	72	74	N 2	N 1	4	1	—	Fine and clear.
12	·82	·72	43·0	36·5	31·0	45·7	4·5	2·3	·189	·174	68	80	Calm 0	SW 2	3	1	—	Fine day.
13	·66	·58	40·7	36·2	29·5	47·2	3·7	2·4	·183	·168	72	79	ESE 1	WNW 1	1	2	·010	⌊. Fine and cold.
14	·61	·60	40·0	42·5	33·2	50·4	3·5	3·1	·181	·209	73	77	ENE 2	ESE 1	10	1	—	✳ showers *a*.
15	·60	·60	45·0	43·3	37·4	50·1	4·6	3·8	·204	·203	68	73	E 1	E 3	1	8	—	Fine during day.
16	·61	·63	49·7	47·0	39·0	52·6	5·4	3·8	·235	·237	66	74	E 4	E 5	2	3	—	Fine and warm.
17	·66	·77	47·2	44·3	41·2	51·3	3·9	2·8	·237	·231	74	79	E 4	E 3	3	5	—	Fine and warm.
18	·86	29·94	47·0	44·0	38·0	57·3	4·2	3·8	·229	·209	72	72	E 4	Calm 0	4	1	—	Fine and warm.
19	·97	30·00	43·2	44·0	34·0	57·6	2·8	6·0	·221	·172	79	59	ESE 4	Calm 0	2	10	—	Fine day. Cloudy evening.
20	·95	29·92	44·0	48·3	40·1	49·3	3·7	1·7	·211	·296	73	88	ESE 5	Calm 0	10	10	·390	/ during day. ●^{0} later.
21	·66	·71	49·8	49·0	45·0	53·8	1·6	3·4	·317	·268	88	77	SSE 7	SW 1	10	10	·490	/ ●^{0} 7*a*.—11*a*. ●^{2} showers at times.
22	·41	·54	43·4	47·4	40·1	54·6	2·6	3·0	·226	·258	80	80	W 5	W 4	7	10	·410	/ till 7*a*. ●^{2} showers all day.
23	·60	·63	46·7	46·6	42·4	50·7	2·4	3·1	·264	·248	83	79	W 4	WNW 4	8	8	·230	● showers all day. /
24	·51	·39	45·2	43·7	40·5	48·8	3·0	3·0	·235	·221	78	77	WSW 1	W 3	10	8	·340	Cold, with ●^{2} showers.
25	·33	·44	43·4	42·0	37·2	48·7	2·0	1·6	·238	·233	84	88	Calm 0	Calm 0	6	7	·260	▲^{2} ●^{2} showers.
26	·70	·89	47·5	45·0	36·6	52·8	4·3	1·8	·232	·257	71	86	Calm 0	Calm 0	4	6	·050	
27	·98	·98	49·0	43·2	40·7	52·4	4·3	2·2	·249	·232	71	83	N 2	Calm 0	4	2	—	Fine and clear.
28	·92	·76	45·9	41·7	36·0	53·8	5·7	2·3	·194	·217	62	83	E 1	Calm 0	4	0	—	Fine and clear.
29	·76	·77	50·9	49·2	36·5	56·6	3·6	3·7	·284	·264	77	75	E 2	Calm 0	2	10	·250	Fine all day. ▲ *p*.
30	29·85	29·91	51·7	54·4	45·2	58·8	1·9	5·9	·334	·275	88	65	Calm 0	Calm 0	10	10	·050	●^{0} *a*.
Mean	29·786	29·788	45·7	44·1	37·8	53·0	3·6	3·0	·232	·228	75·0	78·4		2·2		1·4	5·0	5·9	3·850	

DUNDEE.—APRIL 1890.

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	30·08	30·01	38·8	45·3	33·0	54·5	1·3	1·8	·211	·261	90	87	SW	1	W	1	10	5	—	Cloudy.
2	29·99	29·99	46·4	43·4	36·3	62·7	2·4	2·3	·260	·232	83	82	SW	1	E	1	5	0	—	Fine day.
3	·97	·96	44·2	43·9	34·6	60·2	2·1	3·4	·244	·216	84	75	SW	1	NW	1	5	0	—	Fine day.
4	·97	·88	46·3	47·6	33·1	60·6	3·6	3·8	·235	·244	75	74	NW	1	NW	1	0	5	—	Fine day.
5	·96	·79	48·0	41·5	41·1	52·8	3·4	0·5	·255	·251	77	96	NW	1	SE	1	5	10	·110	Cloudy.
6	·53	·23	44·6	47·7	39·8	56·0	1·6	3·2	·258	·257	88	79	SW	1	W	6	5	10	—	Cloudy.
7	·05	·36	44·9	39·4	39·1	51·0	3·4	2·4	·225	·195	76	81	N	4	NW	6	10	0	·010	/ (gale) 10*a*.—5*p*. ▲ shower 2.30*p*.
8	·38	·65	42·4	39·6	32·3	47·0	3·4	3·3	·203	·181	75	74	N	10	N	10	5	10	—	/^{2} (gale) from 8*a*., worse from 10*a*—5*p*.
9	·69	·59	40·3	38·3	35·6	45·7	3·9	3·4	·177	·169	70	72	NW	1	NE	1	5	10	—	Cloudy.
10	·64	·75	39·3	34·4	33·6	45·6	3·0	1·8	·183	·164	77	82	N	1	N	1	10	10	—	Dull day.
11	·77	·74	42·0	38·3	32·5	48·6	4·0	2·7	·190	·180	72	78	N	4	NE	1	5	10	—	Cloudy.
12	·64	·59	43·0	34·9	30·7	47·6	3·9	0·9	·199	·185	72	91	SE	1	NE	1	10	10	·010	Cloudy. ✳^{0} showers.
13	·52	·47	43·9	35·2	28·6	46·9	4·2	2·1	·202	·165	71	80	SE	1	SE	1	5	7	·020	Fine day.
14	·51	·52	40·0	41·0	30·2	48·6	1·4	2·2	·218	·211	89	83	SE	1	SE	6	10	10	—	●^{0} ▲ 6*a*.—8*a*. Cloudy.
15	·50	·53	42·6	40·5	38·8	48·4	2·6	2·8	·219	·197	81	79	SE	2	SE	2	10	10	·020	Dull day.
16	·52	·56	42·7	41·8	40·2	44·8	0·2	0·4	·270	·256	98	97	SE	4	SE	4	10	10	·130	● showers from 6*a*.
17	·58	·67	42·4	39·6	39·2	46·7	1·2	0·1	·245	·242	91	99	SE	4	E	2	10	10	·090	● showers during day.
18	·75	·83	42·6	41·2	38·7	48·8	2·2	1·9	·227	·219	84	85	SE	2	SE	2	10	10	·010	Dull day. ●^{0} showers till 11.30 *a*.
19	·87	·91	43·5	34·6	34·3	47·2	3·4	0·6	·212	·190	75	95	SE	1	N	1	10	0	—	Dull till 1*p*.
20	·89	·87	48·4	41·6	30·9	50·3	5·3	1·1	·223	·240	66	92	S	1	SE	1	5	10	—	Dull from 11*a*.
21	·67	·60	50·3	47·3	41·0	56·2	2·8	3·3	·295	·250	81	77	SE	6	W	1	10	5	·170	●^{0} 9*a*.—1*p*.
22	·15	·35	49·3	44·6	40·8	53·5	3·8	2·5	·263	·239	74	81	W	10	NW	8	5	10	·010	● *n*. /^{2} (gale). ▲ ● showers.
23	·38	·50	50·8	44·6	41·6	56·0	5·0	2·8	·254	·234	69	80	W	8	W	2	5	5	—	Cloudy. / (gale) till 6*p*. [till 4*p*.
24	·37	·23	46·0	39·9	39·8	53·3	2·8	1·6	·248	·215	80	87	W	2	W	1	10	0	·020	Dull till 2*p*. ▲^{0} showers.
25	·16	·25	47·2	40·0	32·2	57·0	4·6	1·7	·223	·213	70	86	NW	1	W	1	7	10	·030	● showers 4*p*. T in afternoon.
26	·51	·65	46·9	43·0	35·2	54·2	3·2	2·8	·249	·219	79	79	NE	4	N	2	5	5	·020	Gusty / (gale at times). ▲ ●
27	·76	·81	45·0	39·8	38·9	52·8	4·3	3·5	·209	·183	70	75	NE	4	NW	2	5	5	—	Fine day. [showers
28	·75	·67	50·4	42·5	33·2	52·3	5·6	1·1	·238	·248	65	91	NE	1	SE	1	5	10	—	Dull day.
29	·67	·69	48·5	44·4	38·0	55·1	4·0	0·8	·249	·274	73	94	SE	1	SE	1	5	10	·030	Cloudy. ● showers 6*p*.
30	29·77	29·80	51·4	48·0	43·7	60·9	1·7	2·4	·336	·276	89	83	SE	1	SE	1	10	10	—	Dull day.
Mean	29·634	29·647	45·1	41·5	36·2	52·2	3·1	2·1	·234	·220	78·1	83·8		2·7		2·3	7·1	7·2	0·680	

GLASGOW.—APRIL 1890.

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	30·09	30·02	42·2	44·8	33·9	54·5	2·4	1·8	·218	·256	82	86	W 1	W 1	10	0	—	Fine and sunny. ⌙
2	29·97	29·90	40·4	46·0	35·7	59·3	1·5	3·5	·220	·233	88	76	E 1	W 1	5	5	—	≋0 *a.* Fine and sunny.
3	·97	·96	41·9	45·0	35·0	57·5	2·9	2·5	·207	·243	79	82	N 1	SW 1	5	0	—	Fine and sunny. ∞0 ⌙
4	·96	·92	39·9	45·0	34·1	57·1	1·9	2·6	·208	·241	85	81	S 1	SW 1	10	4	—	Fine and sunny.
5	·91	·74	45·3	47·1	39·9	54·7	3·4	4·6	·229	·224	76	70	W 1	S 1	3	10	·380	Fine and sunny.
6	·52	·24	46·5	46·1	43·6	52·5	1·6	1·4	·278	·278	89	90	W 1	SW 5	8	10	·270	Cloudy, with ●2.
7	·10	·43	45·9	41·1	40·7	52·7	5·7	3·8	·193	·185	63	72	NW 3	NW 3	6	2	—	● early *a.*, then fine and sunny.
8	·49	·70	44·7	41·5	35·3	47·5	7·6	6·7	·154	·144	52	55	NW 2	NW 3	3	1	—	
9	·71	·55	42·2	37·9	32·8	48·0	6·6	2·2	·150	·186	57	82	NW 1	W 1	10	10	—	Fine and sunny.
10	·66	·72	41·8	39·9	34·4	47·5	4·7	4·9	·176	·157	67	64	NW 1	NE 1	8	4	—	Dull and cloudy.
11	·78	·72	42·1	40·1	32·1	47·5	6·3	4·2	·154	·170	58	68	NE 1	E 1	4	8	—	Fine and sunny.
12	·59	·55	39·3	37·9	34·9	44·6	2·9	2·9	·185	·174	78	77	E 1	E 1	10	10	—	Overcast and threatening.
13	·49	·42	38·7	36·8	31·1	46·3	3·4	2·8	·172	·167	73	76	E 1	NE 1	7	0	·020	Cloudy, then fine.
14	·46	·45	40·9	42·9	33·0	48·7	2·3	4·3	·209	·191	83	70	E 1	E 1	10	10	—	Overcast.
15	·42	·45	43·4	41·1	35·8	48·4	2·9	3·3	·221	·193	78	75	E 2	E 3	10	10	—	Dull and overcast.
16	·42	·46	45·9	43·6	40·9	47·6	3·9	1·8	·225	·244	73	86	E 3	E 2	10	10	—	Dull and overcast.
17	·49	·61	45·4	41·4	41·4	46·5	2·9	1·2	·239	·235	79	91	E 3	E 2	10	10	—	Dull and overcast.
18	·70	·79	41·8	41·9	39·3	47·5	2·1	3·8	·221	·191	85	73	NE 1	E 4	10	10	—	Dull and cloudy.
19	·82	·86	42·8	42·1	38·3	45·5	5·3	4·2	·174	·186	64	71	E 2	E 1	10	10	—	Dull and overcast.
20	·86	·82	41·9	46·9	38·4	49·6	4·3	3·0	·183	·252	70	80	E 1	Calm 0	10	10	·030	Dull and overcast.
21	·58	·58	48·9	47·9	44·9	57·8	1·4	3·3	·311	·257	90	78	S 3	SW 1	10	10	·230	Dull and cloudy. ●0. [◠6*p.*
22	·27	·44	44·9	44·4	42·3	52·1	3·0	1·8	·232	·252	78	86	W 2	SW 3	10	10	·800	Cloudy, with squally ⁄ ● showers.
23	·49	·50	43·9	43·8	41·1	53·1	1·3	2·0	·257	·242	90	85	W 2	W 1	9	3	·185	Cloudy, with ●2 ▲6 showers.
24	·36	·25	45·2	40·2	40·1	50·7	1·1	2·0	·275	·208	91	84	SW 1	W 1	10	8	—	Dull and cloudy.
25	·17	·24	45·6	42·3	36·3	52·7	5·1	2·1	·201	·225	66	84	W 1	NE 1	3	7	—	Fine and sunny.
26	·50	·69	46·4	42·9	36·0	52·8	5·5	2·8	·201	·218	64	79	NW 1	NW 1	9	3	—	Fine and sunny.
27	·78	·80	49·9	46·2	37·9	57·3	6·9	5·7	·209	·196	58	63	N 2	E 1	3	8	—	Fine and sunny.
28	·73	·63	43·9	43·4	35·8	52·5	5·7	3·5	·177	·209	61	75	E 1	E 1	10	10	—	Fine and sunny.
29	·62	·64	46·8	48·6	36·6	55·7	3·9	3·9	·234	·252	74	74	N 1	SE 1	10	10	·075	●9 *a.* Dull and cloudy.
30	29·72	29·75	53·9	52·8	46·1	61·0	4·3	5·3	·304	·269	73	68	S 1	NE 1	10	10	—	Overcast.
Mean	29·622	29·627	44·1	43·4	37·6	51·6	3·8	3·3	·214	·216	74·1	76·7	1·5	1·5	8·1	7·1	1·990	

WOLFELEE.—APRIL 1890.

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	29·63	29·56	41·0	39·0	29·0	50·0	2·9	1·4	·199	·210	78	89	SW	SW	—	—	—	Fine and clear.
2	·50	·50	47·0	46·0	29·0	53·5	4·9	2·4	·216	·257	68	83	SW	SW	—	—	—	Fine day.
3	·50	·50	49·0	40·0	29·0	63·5	6·9	2·4	·202	·200	58	81	W	W	—	—	—	Fine day.
4	·50	·47	47·0	38·0	29·0	61·5	3·9	1·3	·235	·203	74	89	NW	W	—	—	—	Very fine.
5	·43	29·32	50·5	45·0	32·0	61·0	2·9	2·4	·295	·245	81	82	NW	SE	—	—	·020	Fine *a.* and *p.* [blowy *p.*
6	29·09	28·89	47·0	42·0	39·0	59·0	2·4	2·4	·266	·218	83	82	SW	SW	—	—	·120	Very fine *a.*, then ● showers. Dull and
7	28·62	28·95	45·0	37·0	35·0	58·0	4·4	2·2	·207	·179	70	81	NW	NW	—	—	·010	Cloudy and blowy *a.* ▲ showers *p.*
8	28·97	29·17	41·0	37·0	29·5	52·0	4·3	3·2	·175	·162	68	74	NW	NW	—	—	—	Cold and blowy.
9	29·23	·10	38·5	38·0	34·0	41·0	4·7	2·2	·150	·187	64	81	N	NW	—	—	·010	Cold and blowy *a.* Dull and cold *p.*
10	·18	·24	38·5	26·0	26·0	47·0	2·7	0·2	·182	·134	78	95	NW	NW	—	—	—	Dull *a.* Clear and frosty *p.*
11	·28	·26	37·0	34·0	22·0	43·0	4·2	0·7	·146	·182	67	92	N	N	—	—	—	Clear and cold *a.* Dull *p.*
12	·14	29·08	36·0	34·0	26·0	45·5	3·7	1·2	·147	·172	68	87	W	W	—	—	—	Clear and frosty *a.* Dull and cold *p.*
13	·03	28·98	36·5	34·5	19·0	44·0	3·7	1·2	·151	·176	69	87	SE	SE	—	—	—	Fine and clear. Very cold *p.*
14	29·02	29·01	39·5	37·0	28·5	50·0	2·4	2·2	·196	·179	81	81	SE	SE	—	—	—	Dull and cold *a.* Cold and blowy *p.*
15	28·97	28·97	41·0	40·0	32·0	47·5	2·4	2·4	·208	·200	81	81	E	SE	—	—	—	Dull *a.* Cold and blowy *p.*
16	28·97	29·01	44·0	41·0	36·0	45·5	2·4	2·4	·236	·208	81	81	ENE	NE	—	—	—	Dull and cold.
17	29·05	·13	43·0	39·5	38·0	49·0	2·4	1·9	·226	·205	82	85	SE	SE	—	—	·030	Dull and cold.
18	·21	·31	39·5	38·0	35·0	49·0	1·9	2·2	·205	·187	85	81	NE	NE	—	—	—	Dull and cold.
19	·35	·40	40·0	31·5	30·0	43·5	2·4	1·2	·200	·149	81	83	E	E	—	—	—	Dull and cloudy *a.* ✳0 showers. Fine
20	·42	·40	42·5	41·5	25·0	44·0	4·9	1·9	·180	·223	66	86	SW	SW	—	—	—	Fine day. [and clear *p.*
21	29·26	·17	52·0	46·0	36·0	53·0	4·4	2·4	·279	·257	72	83	SW	SW	—	—	·220	Fine and blowy *a.* Fine and mild *p.*
22	28·85	·02	48·0	44·0	39·0	56·0	4·4	2·9	·235	·226	71	78	W	W	—	—	·120	● showers all day.
23	29·06	29·07	44·5	42·0	38·0	54·0	2·9	3·9	·231	·192	78	73	SW	W	—	—	—	Fine *p.*
24	28·94	28·86	44·0	37·0	37·0	54·0	1·9	1·2	·246	·196	85	89	W	W	—	—	·050	● showers during day. Cloudy *p.*
25	·73	28·78	44·0	37·5	28·5	50·5	3·9	0·8	·207	·209	72	93	NW	NW	—	—	·160	Fine and clear *a.* T in afternoon.
26	28·99	29·16	41·0	40·0	26·5	52·0	1·4	1·4	·227	·218	89	89	N	N	—	—	·100	Dull *a.* ● showers. [●*p.*
27	29·30	·34	43·5	40·0	35·0	50·0	2·9	2·4	·221	·200	78	81	N	NE	—	—	—	Fine and clear *p.*
28	·27	·20	42·0	43·0	23·0	52·5	3·9	1·9	·192	·236	73	85	NW	NW	—	—	—	Fine and clear *a.*
29	·20	·22	48·5	44·5	28·0	52·5	5·9	0·9	·214	·273	62	93	SW	SW	—	—	·060	Fine and clear *a.* ●*p.*
30	29·31	29·34	52·5	48·0	42·4	58·0	3·9	3·4	·296	·255	75	77	SE	SE	—	—	—	
Mean	29·166	29·180	43·5	39·4	31·2	51·3	3·5	2·0	·212	·205	74·6	84·1	—	—	—	—	0·900	

SCARBOROUGH.—APRIL 1890.

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	30·18	30·10	43·7	40·7	30·3	51·2	2·5	2·2	·231	·209	80	83	S 1	SW 1	0	0	—	Brilliant day.
2	·04	·00	44·7	40·6	36·8	53·6	3·9	2·5	·214	·204	72	81	SW 1	SW 1	0	0	—	Brilliant day.
3	·03	·04	41·7	38·1	34·3	47·9	1·1	0·9	·239	·212	92	92	SW 1	SW 1	8	0	—	Brilliant day.
4	30·05	30·00	44·5	39·7	32·3	48·2	1·8	1·8	·253	·208	87	85	SE 1	SE 1	0	0	—	Brilliant day.
5	29·93	29·85	46·6	45·1	36·7	52·2	3·4	2·0	·240	·255	76	85	S 1	SE 1	0	9	·010	Brilliant day.
6	·62	·44	49·6	44·6	42·3	55·2	2·5	3·3	·294	·224	83	77	S 1	SW 3	8	5	·110	
7	·12	·38	41·5	40·7	40·3	52·4	1·4	1·9	·232	·215	89	85	SW 1	NW 1	8	0	·110	Bright *a.* ⅂ ▲ 0.30*p.*
8	·38	·52	44·1	39·9	36·3	51·2	4·9	2·9	·191	·189	65	77	SW 5	N 6	2	10	·100	Brilliant, then dull and blustering.
9	·64	·59	38·0	39·0	35·6	43·6	1·4	1·9	·201	·200	88	85	N 6	N 2	10	10	·050	Blustering. ▲ showers.
10	·60	·68	39·7	37·2	34·6	42·0	1·9	2·1	·206	·182	84	82	N 4	W 1	7	0	·010	
11	·67	·72	39·1	37·7	34·3	42·2	1·4	1·6	·211	·195	89	86	NW 4	NW 1	3	4	·060	Bright *a.* ✳ showers. Fine afternoon.
12	·62	·58	37·5	37·1	33·3	42·2	1·8	1·7	·189	·188	85	85	NW 2	S 1	4	3	·120	Fine, but cold.
13	·53	·47	37·5	38·7	33·8	40·8	0·8	1·1	·208	·213	93	91	E 1	SE 1	10	5	·070	Dull, with ✳ ●.
14	·50	·47	44·5	40·9	33·3	46·2	2·0	1·4	·249	·226	85	89	E 2	SE 2	5	5	—	
15	·44	·42	42·8	40·3	39·6	43·2	1·6	1·5	·240	·219	88	88	E 3	E 3	10	10	—	Very cold wind.
16	·38	·42	45·1	42·7	39·6	45·6	1·1	0·2	·274	·270	91	98	E 4	E 3	10	10	·010	Cold wind. ● ≋ 9*p.*
17	·47	·54	42·5	41·3	40·8	42·9	0·3	1·4	·265	·250	98	89	E 3	E 3	10	10	—	Dull and cold. ≋.
18	·61	·74	40·8	40·4	39·3	42·2	1·4	1·7	·225	·216	89	87	NE 6	NE 4	10	10	·020	Dull and cold.
19	·78	·86	41·0	37·7	37·3	42·2	2·4	1·3	·208	·200	81	89	NE 4	N 1	7	10	·020	Cold and cloudy. ● showers.
20	·92	·97	41·6	41·3	36·3	45·7	3·3	2·0	·197	·218	75	84	N 1	E 1	7	5	—	Fine and bright. Cloudy afternoon.
21	·88	·75	47·5	48·9	39·3	55·5	1·8	2·1	·285	·294	87	86	S 4	S 1	7	9	·010	Bright early *a.* Milder. ● 2*p.*
22	·40	·57	54·0	46·5	45·3	56·4	5·8	2·3	·272	·264	65	83	W 7	NW 1	1	0	—	Brilliant and mild. ⁄ (gale).
23	·58	·62	50·3	45·1	42·9	56·2	5·6	2·7	·236	·240	65	80	W 4	W 2	8	8	·010	Very fine.
24	·46	·30	46·1	45·4	42·7	49·0	0·8	2·0	·293	·258	94	86	SW 3	SW 2	10	10	·140	●2 1*p.*
25	·18	·25	44·0	40·4	37·3	48·2	2·7	1·6	·230	·218	79	87	NW 3	SW 1	4	0	—	Very fine.
26	·40	·58	45·7	44·0	37·1	49·0	3·1	3·0	·238	·248	78	84	NW 2	N 2	5	7	·050	Very fine.
27	·75	·78	44·7	41·2	40·3	47·3	2·5	1·9	·240	·219	82	85	NE 4	NE 2	7	3	—	
28	·74	·71	44·5	42·7	41·2	46·8	3·3	1·8	·223	·235	75	86	N 2	NW 1	9	10	—	Dull, then bright.
29	·72	·70	49·6	50·1	36·3	52·5	2·3	1·9	·298	·312	84	86	E 2	Calm 0	1	10	·020	Bright *a.* ● *p.*
30	29·84	29·84	57·7	50·6	48·5	59·7	7·3	4·4	·286	·334	60	90	SW 3	SW 1	1	0	—	Very fine and bright.
Mean	29·648	29·662	44·4	42·0	37·9	48·4	2·5	1·8	·259	·230	82·0	85·7	2·9	1·7	5·7	5·4	0·920	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—APRIL 1890.

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	30·16	30·08	49·0	35·2	34·8	51·7	2·2	0·4	·294	·198	85	96	SSW 3	N 1	6	0	—	Very fine. ⌓ *p.*
2	·00	29·95	47·0	36·2	31·0	49·6	2·0	1·2	·275	·191	86	89	ESE 3	Calm 0	0	0	—	⌙2 ≋ *a.* Very fine. ⌓ *p.*
3	·02	30·02	47·2	37·0	33·2	51·3	2·2	0·8	·273	·204	85	93	ESE 3	Calm 0	4	2	—	Very fine. ⌓ *p.*
4	30·03	29·99	52·0	43·8	33·3	52·2	4·0	2·0	·287	·242	74	84	Calm 0	NW 1	0	10	—	⌙ *a.* Very fine.
5	29·97	·83	50·0	46·0	41·0	52·0	2·0	1·5	·309	·276	86	90	S 1	SE 2	9	10	·039	Cloudy.
6	·65	·48	48·0	46·8	44·0	53·0	1·3	0·8	·302	·301	91	94	NW 4–5	WSW 4	4	10	·258	● *a.* and 9*p.* Very fine.
7	·27	·54	48·8	43·0	41·0	50·0	3·0	2·0	·274	·234	79	84	NW 6	NW 6	4	2	·030	Squally ⁄ *a.* and *p.* Very fine day.
8	·60	·75	45·6	41·2	36·8	48·0	3·8	2·2	·224	·213	74	83	NNW 6–7	NW 4	4	0	—	Squally ⁄ *a.* and *p.* Very fine day.
9	·80	·56	45·5	42·7	35·7	48·0	5·1	0·7	·201	·259	66	94	NNW 4	WNW 3	8	10	·178	Fine day. ● 5.30*p.*
10	·73	·74	48·5	43·7	38·8	46·8	3·5	1·2	·229	·258	76	90	NNE 3–4	WNW 2	7	8	·032	● *a.* and *p.* Fine day. ▲ 10*p.*
11	·84	·77	43·4	37·5	33·0	47·2	4·1	0·7	·198	·210	71	94	N 4	NW 2	0	0	—	Fine day.
12	·63	·55	48·2	40·5	29·8	48·2	4·5	0·7	·236	·237	70	94	S 2	E 4	7	7	·196	Fine day. ● at night.
13	·48	·40	39·0	43·0	36·8	43·9	1·5	1·4	·209	·247	88	89	E 4	E 4–5	10	10	·053	Overcast, with ● *a.* Dull *p.*
14	·44	·41	44·8	44·0	41·0	50·0	2·8	2·5	·235	·234	79	81	ESE 5	E 5–6	7	7	—	Squally ⁄ *a.* and *p.* Fine day.
15	·37	·36	46·8	42·0	40·0	46·8	2·8	1·5	·255	·235	80	89	E 5–6	E 5	10	6	·188	Squally ⁄ *a.* and *p.* Overcast. ●
16	·34	·38	49·8	46·0	40·8	53·0	4·4	1·8	·255	·269	71	87	ESE 4	E 4–5	7	10	·080	Cloudy day. ● *n.* [from *n.a.*
17	·43	·57	48·4	45·0	43·0	52·9	1·6	1·0	·300	·275	89	92	E 4	ESE 4	8	10	—	Fine day.
18	·66	·74	45·3	44·2	41·7	48·0	2·7	1·6	·241	·255	81	88	ENE 4–5	ESE 5	8	10	—	⁄ *a.* and *p.* Dull day.
19	·82	·93	44·0	43·0	41·5	46·8	2·2	1·8	·240	·238	83	86	SE 5	SE 4	8	10	·013	⁄ *a.* Dull day.
20	·92	·90	43·0	47·5	41·0	48·5	1·0	0·6	·255	·314	92	96	SE 4	S 3	10	10	·160	● *a.* and *n.* Overcast day.
21	·71	·71	48·8	48·0	45·1	50·8	0·6	0·5	·330	·322	95	97	SSW 5	SW 2	10	10	·138	Overcast, with ⁄ ● ≋9 (mist) *a.*
22	·49	·66	51·0	46·0	45·0	53·7	3·2	1·3	·294	·280	79	91	W 6–7	WSW 5–6	3	7	·065	Squally ⁄ ● ½ showers. [Cloudy *p.*
23	·68	·61	50·0	46·5	43·0	55·2	3·2	1·5	·282	·281	79	90	WNW 7	W 3–4	7	10	·017	Squally ⁄ *a.* Fine day. ● showers *n.*
24	·48	·38	46·3	37·3	37·3	49·3	1·3	0·3	·283	·216	91	97	WNW 5	Calm 0	10	1	·084	Squally ⁄ *a.* Dull, with ● ◠
25	·26	·31	49·2	44·0	33·5	52·6	3·8	0·8	·261	·270	74	94	NNW 5	NNW 4	6	10	·028	⁄ ⌙2 *a.* Fine day. ● showers *n.*
26	·51	·74	49·0	42·8	41·3	53·4	4·0	1·1	·255	·251	73	92	NE 4	NNE 1	3	2	·038	● *a.* Fine day. ◠ 5*p.* ⌓ 9*p.*
27	·84	·85	49·8	44·8	38·8	50·8	3·2	1·8	·280	·255	79	86	NW 2	NNW 4–5	4	0	—	⌓ *a.* Fine day.
28	·77	·70	48·7	42·0	40·0	51·8	3·1	1·2	·270	·241	79	91	SE 3	Calm 0	6	8	—	Fine day. ⌓ *p.*
29	·66	·70	46·7	47·4	40·6	48·5	1·5	0·6	·284	·312	89	96	ESE 3	SSW 2	10	9	·334	Overcast, with ● ≋8 (mist).
30	29·77	29·78	51·2	54·0	40·0	58·5	1·7	4·5	·333	·299	89	72	E 3	E 2	7	10	—	Fine day.
Mean	29·677	29·680	47·4	43·4	38·8	50·8	2·7	1·3	·265	·254	81·1	90·0	4·0	3·0	6·2	6·6	1·931	

STONYHURST.—APRIL 1890.

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. 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	29·95	29·87	40·3	42·0	30·7	51·4	2·5	3·2	·200	·204	80	77	Calm 0	Calm 0	0	0	—	⌒ ∞ *a*. Clear *p*.
2	·79	·74	41·0	43·4	31·2	54·1	2·9	4·0	·193	·200	78	72	NNE 1	Calm 0	0	0	—	⌒ early *a*. ∞ *a*. and *p*.
3	·80	·78	42·0	42·4	33·9	51·7	3·0	2·2	·207	·225	78	83	NE 1	Calm 0	0	7	—	☽² *n*. and *a*. ∞ *a*. and *p*.
4	·79	·76	37·0	40·2	29·1	54·9	1·0	1·4	·200	·220	91	89	NNE 1	Calm 0	0	10	—	≋ ⌒ ∞ *a*. ∞ *p*.
5	·74	·60	42·8	46·6	32·2	56·0	2·9	2·6	·212	·258	78	82	Calm 0	Calm 0	0	10	·040	
6	29·41	·27	45·2	43·5	41·9	50·7	1·2	2·5	·273	·229	91	80	W 1	W 1	9	0	·598	Overcast, with ● 0 *a*.
7	28·98	·23	45·6	39·5	38·6	50·0	2·8	2·3	·244	·198	81	82	W 4	NW 1	9	0	·010	Overcast and squally, with ● *a*.
8	29·25	·43	43·3	41·3	38·0	48·5	6·3	5·6	·163	·158	57	61	NW 3	N 1	3	9	—	Cloudy and squally *a*. Cloudy *p*.
9	·51	·37	39·9	39·6	37·1	46·6	5·6	2·5	·148	·195	60	80	N 2	NW 1	10	10	·067	Overcast.
10	·43	·48	38·5	38·6	34·0	45·0	3·3	2·4	·171	·189	74	81	N 1	NE 1	10	10	—	Overcast.
11	·53	·53	40·5	39·7	31·1	46·3	5·1	3·1	·158	·186	62	75	NW 2	Calm 0	3	10	·015	⌒ *a*. Overcast *p*.
12	·41	·34	37·5	35·5	29·3	42·6	2·3	1·1	·181	·187	81	90	Calm 0	NE 1	6	10	·178	Cloudy, with ⌒ ∞ *a*. ⚹ ● *p*.
13	·27	·21	35·3	39·7	33·0	42·8	0·6	2·2	·195	·202	95	82	NE 1	NEbyE 1	10	10	·015	Overcast, with ⚹ ● *a*.
14	·23	·18	41·3	40·1	35·6	50·3	3·0	2·8	·200	·193	77	77	E 2	NE 2	10	10	—	Overcast *a*.
15	·15	·13	42·6	39·2	37·9	47·0	2·2	2·7	·227	·188	84	79	NE 2	E 3	10	10	·007	Overcast, with ● 0 *a*. Cloudy and
16	·10	·12	45·3	42·7	38·0	49·0	2·3	1·3	·250	·246	83	89	ENE 3	ENE 3	10	10	·008	Overcast and squally. [squally *p*.
17	·20	·29	43·8	41·7	37·9	49·1	1·4	1·6	·255	·230	89	88	ENE 3	ENE 2	10	10	—	Overcast.
18	·37	·51	41·5	39·9	39·2	42·8	2·7	2·7	·207	·194	80	79	NE 2	NE 2	10	10	—	Overcast and gloomy.
19	·57	·66	42·7	39·3	31·5	45·6	4·0	3·3	·196	·178	72	75	NE 2	ENE 1	8	10	—	Overcast and gloomy *p*.
20	·72	·71	41·4	45·5	36·5	52·0	3·9	2·1	·187	·257	72	85	E 1	Calm 0	10	0	·018	Overcast and gloomy *a*.
21	·59	·53	50·3	48·8	36·6	53·2	2·4	2·6	·304	·283	83	81	S 3	WSW 1	10	10	·085	Overcast, with ● 0 *a*. Cloudy *p*.
22	·29	·42	50·7	46·2	45·1	51·6	3·7	3·5	·279	·236	76	76	W 4	W 4	10	2	—	Overcast *a*. Cloudy and squally *p*.
23	·47	·40	46·9	46·1	43·1	52·6	3·6	1·3	·240	·282	76	91	W 4	WSW 1	9	10	·086	Overcast and squally *a*.
24	·23	·13	45·0	41·1	40·4	47·0	0·7	0·8	·282	·241	94	93	WSW 1	W 1	10	10	·168	Overcast, with ● 0 *a*.
25	·00	·06	43·8	39·3	33·4	49·5	3·1	1·6	·220	·209	76	88	Calm 0	Calm 0	8	0	—	≋² 6*a*.—8*a*. Cloudy.
26	·21	·43	47·1	41·7	38·4	52·1	5·0	2·3	·215	·217	67	83	N 1	NNW 1	5	3	·060	Cloudy *a*.
27	·57	·61	45·6	43·1	37·6	51·4	4·9	2·1	·205	·233	67	83	N 1	Calm 0	10	10	—	Overcast *a*. ⌒ *p*.
28	·53	·48	46·1	42·5	37·9	53·7	3·1	2·5	·243	·220	78	81	Calm 0	Calm 0	6	9	—	Cloudy, with ∞ *a*. Cloudy *p*. ⋓
29	·46	·51	49·0	47·3	35·7	53·0	5·0	0·7	·235	·309	67	95	S 3	Calm 0	5	10	·184	Overcast, with ● *p*.
30	29·58	29·59	54·4	52·5	43·0	61·0	7·0	7·0	·253	·233	60	60	SE 1	SSE 3	1	10	—	∞ 0 *a*. Cloudy *p*.
Mean	29·438	29·445	43·5	42·3	36·3	50·1	3·3	2·5	·218	·226	76·9	81·2		1·7		1·0	6·7	7·3	1·539	

HILLINGTON.—APRIL 1890.

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	30·28	30·19	41·6	33·5	31·0	49·4	3·2	1·9	·199	·153	77	80	NW 1	NNE 1	10	1	·002	⌒ *a*. Overcast. Very fine [⋓ *p*.
2	·12	·04	41·2	38·8	26·1	50·2	3·4	1·1	·192	·188	75	91	E 1	SE 1	2	0	—	⌒² *a*. Very fine and sunny. ☽ *p*.
3	·08	·09	44·1	34·9	33·3	50·4	3·3	0·6	·219	·190	75	94	E 3	NE 1	3	0	—	Cloudy, then fine. ☽ *p*.
4	·07	30·06	48·1	34·2	32·1	54·5	2·5	0·4	·275	·188	82	96	NE 3	NE 0·5	0	0	—	⌒ *a*. Very fine and sunny. ☽ *p*.
5	30·02	29·93	47·8	42·2	26·9	56·7	5·1	1·5	·221	·237	67	89	NE 1	NW 1	0	10	—	⌒² *a*. Very fine and sunny. Much
6	29·76	·59	48·0	50·0	37·1	57·5	3·2	1·3	·260	·327	78	91	SW 1	SW 2	10	10	·044	Overcast. ● 0 11*a*. ∞ *p*. [cir. *p*.
7	·39	·46	48·1	42·2	40·9	53·6	1·3	2·6	·304	·215	91	81	SW 3	NW 3	10	9	·036	● 2 10*a*. Overcast.
8	·48	·38	43·3	40·0	33·6	50·9	3·8	2·5	·203	·197	73	80	N 4	W 5	2	10	·017	Very fine and sunny till 2*p*. ▲ 3*p*.
9	·70	·71	43·4	36·7	36·4	46·3	4·0	1·5	·192	·188	71	87	NW 4	NW 1	8	10	—	
10	·65	·77	42·1	35·9	32·3	47·4	2·6	1·2	·215	·187	81	90	N 2	N 0·5	7	3	·038	⌒ *a*. ● showers. ▲
11	·78	·79	42·0	37·0	28·1	48·4	2·4	1·8	·217	·186	82	85	N 2	N 2	8	8	·027	▲² early *a*. Sunny day with ● ▲
12	·74	·65	39·0	33·6	32·3	47·4	1·2	0·8	·214	·176	90	91	N 3	N 0·5	8	3	—	▲² early *a*. [showers.
13	·60	·55	42·0	35·7	30·2	48·5	2·3	1·0	·218	·189	83	91	SSE 1	SE 2	10	3	·002	
14	·50	·43	48·6	42·1	34·7	53·3	4·9	1·5	·232	·236	68	88	ESE 4	ESE 5	5	3	—	Fine, sunny and windy. Much cirrus.
15	·38	·35	46·1	41·5	40·9	51·9	2·5	0·9	·254	·242	82	93	E 6	NE 6	10	0	—	Cloudy and windy *a*. Sunny afternoon.
16	·32	·39	49·4	44·4	41·1	59·2	1·9	0·8	·304	·274	88	94	E 6	E 3	9	0	·003	Overcast after 2*p*.
17	·41	·48	44·0	43·2	42·1	45·2	0·2	1·5	·284	·246	98	89	E 5	E 6	10	10	·002	Wet ≋ early *a*.
18	·51	·69	42·1	41·0	40·6	44·4	0·5	1·2	·257	·231	96	90	NE 6	NE 5	10	10	·002	
19	29·79	29·90	42·9	38·6	38·1	46·3	3·2	2·0	·211	·196	77	84	NE 4	NE 3	10	10	·020	
20	30·02	30·07	42·4	45·8	36·4	50·4	4·5	2·5	·184	·251	68	82	NW 4	NW 0·5	9	10	—	Overcast from 3*p*.
21	30·04	29·91	54·7	49·1	39·1	59·4	4·3	1·4	·316	·313	73	90	SW 4	SW 4	7	10	·040	Overcast *p*. Swallows seen.
22	29·64	·79	52·0	44·5	43·5	59·5	1·2	2·8	·356	·233	92	79	W 4	W 1	10	0	·017	● 2 11.30 *a*.
23	·79	·77	52·0	46·9	39·1	58·3	6·1	2·2	·244	·270	64	85	NW 5	W 1	6	10	·028	Fine and sunny. ☽ 0 *p*.
24	·57	·42	47·9	45·1	45·1	52·6	2·0	0·5	·285	·288	86	96	SW 1	NW 1	10	10	·100	Overcast all day.
25	·22	·34	45·0	39·4	36·1	48·3	2·3	1·4	·247	·214	83	89	NE 1	N 1	10	6	—	Fine sunset.
26	·48	·66	49·9	38·3	29·7	53·5	4·4	0·7	·256	·217	71	94	N 1	NE 1	3	2	—	Very fine and sunny. ☽ *p*.
27	·81	·88	46·1	38·1	36·1	49·5	2·8	1·4	·248	·202	80	88	N 3	N 1	8	9	·033	Cloudy with ● showers. ☽ *p*.
28	·84	·77	47·6	40·2	35·1	53·4	5·0	0·5	·221	·238	68	96	N 1	NW 1	6	6	·040	Fine day. ☽ Ψ *p*. Fine sunset.
29	·82	·85	52·8	45·0	33·1	60·4	3·9	3·1	·299	·231	75	77	SSW 2	SSE 0·5	5	0	—	Fine and sunny. Fine sunset.
30	30·02	29·92	60·0	45·3	36·1	64·5	8·3	1·6	·292	·265	57	88	SW 2	E 3	1	0	—	Fine and sunny. Much cirrus 5*p*.
Mean	29·721	29·733	46·4	40·7	35·6	52·4	3·2	1·5	·247	·226	78·4	88·3		2·9		2·1	6·9	5·4	0·451	

CHURCHSTOKE.—APRIL 1890.

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.		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	29·74	29·67	41·3	37·7	27·8	54·1	2·4	2·6	·221	·177	81	78	WNW 1	SE 1	0	0	—	Fine and bright.
2	·53	·52	40·3	35·9	25·5	52·9	3·2	2·0	·188	·173	75	84	ESE 2	SE 1	6	0	—	⌒
3	·59	·59	36·7	32·9	28·0	48·1	1·4	1·0	·190	·166	88	89	E 1	SE 1	10	0	—	≋≋ 9 (mist) *a*. Dull day.
4	·60	·57	42·8	33·7	27·0	54·7	2·5	1·0	·223	·172	81	89	NNW 1	W 1	0	0	—	Bright day. Haze on hills.
5	·53	·41	48·9	46·6	28·0	60·9	6·0	3·7	·215	·235	62	74	WSW 1	Calm 0	8	10	—	Warm, with ∞.
6	29·27	·17	48·9	44·8	43·9	58·2	3·8	1·9	·757	·254	75	80	WSW 2	W 2	8	6	·410	Steady ● evening.
7	28·91	·16	47·6	39·2	38·5	57·2	3·9	3·3	·241	·177	73	75	W 4	NW 2	9	8	·035	Stormy, with ● showers.
8	29·12	·30	42·8	39·2	36·2	48·3	3·9	2·5	·197	·191	71	80	NNW 2	W 1	8	3	·010	Cool day.
9	·33	·14	41·0	38·0	36·0	48·7	5·3	0·1	·160	·227	62	99	NW 2	W 1	6	10	·090	Cold wind.
10	·22	·26	36·9	31·8	30·0	42·3	1·0	0·9	·199	·158	92	88	NE 2	NW 1	10	0	·060	Cold, with ●.
11	·36	·34	39·6	31·1	29·0	45·9	2·7	1·0	·191	·149	78	85	NNW 2	W 1	8	0	—	⚹ before 9*a*. Cold wind.
12	·20	29·09	40·0	37·8	26·3	48·9	3·1	1·9	·187	·190	75	84	E 2	SE 2	8	8	—	Cold wind.
13	29·03	28·95	45·8	40·8	35·0	49·5	5·1	3·4	·203	·188	66	74	SE 2	SE 2	8	2	—	Bright, with cold wind.
14	28·93	·90	46·8	40·3	35·9	52·2	5·9	1·9	·198	·211	62	85	ESE 2	E 3	9	8	·048	Threatening, with cold wind.
15	·84	·85	42·8	39·6	38·0	50·1	0·9	1·7	·255	·209	93	86	E 2	E 2	10	8	·200	Cold, with ●.
16	·82	28·89	41·8	44·8	38·0	47·1	1·7	0·9	·229	·276	87	93	SE 2	ESE 2	10	10	—	Dull and cold.
17	28·96	29·07	44·8	41·3	40·0	58·4	1·1	1·3	·271	·231	92	90	E 3	E 3	10	10	—	Dull and cold.
18	29·14	·30	40·0	40·2	38·8	46·9	1·9	2·9	·208	·193	85	77	NE 4	NE 2	10	10	—	Dull day.
19	·35	·45	40·0	40·0	37·0	45·1	2·9	1·9	·190	·208	77	85	NE 3	NE 2	10	10	—	Very cold wind.
20	·52	·54	46·8	42·8	38·0	57·6	2·9	1·1	·254	·251	80	92	ENE 2	NW 1	9	2	—	
21	·42	·36	52·9	47·9	40·0	56·1	2·9	2·0	·324	·285	81	86	SW 4	SW 2	10	10	·040	Squally.
22	·20	·34	49·9	45·2	44·4	55·7	1·4	3·1	·323	·333	91	78	SW 2	W 2	10	0	·010	● 2 showers.
23	·40	29·21	47·9	43·8	42·2	51·5	4·2	0·9	·238	·265	72	93	W 4	WSW 1	9	10	·060	
24	29·08	28·94	49·9	38·8	38·2	53·1	3·2	0·1	·280	·234	79	99	NW 2	NW 2	8	1	·040	Cold wind.
25	28·80	28·83	42·8	37·9	34·9	52·0	2·4	1·2	·225	·204	82	90	NW 2	W 2	8	5	·140	Dull, with cold wind.
26	29·04	29·28	40·6	40·0	33·0	50·5	0·9	1·1	·234	·225	93	91	NW 2	NW 1	10	6	·110	Dull and cold. Distant T ▲ 2 ●.
27	·41	·43	46·3	39·8	33·2	53·9	3·9	1·9	·229	·207	74	85	WSW 2	W 1	9	0	·036	● showers. Bright *p*.
28	·35	·29	52·9	42·0	30·1	56·5	6·2	1·9	·252	·227	63	86	WNW 2	W 2	8	8	—	
29	·26	·31	45·8	39·6	36·1	54·1	2·1	1·2	·260	·218	85	90	SE 2	SE 1	10	4	·010	Cold day.
30	29·36	29·36	54·8	52·9	33·0	61·1	6·3	6·8	·271	·240	64	60	SE 2	ESE 3	8	9	—	Bright and warm.
Mean	29·243	29·250	44·6	40·2	34·7	52·2	3·2	1·9	·230	·212	78·0	85·0		2·2		1·6	8·2	5·3	1·299	

CARMARTHEN.—APRIL 1890.

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	30·01	45·8	40·4	34·1	59·2	5·3	1·9	·199	·212	65	85	Calm 0	Calm 0	0	0	—	Very fine.
2	29·92	29·84	45·8	43·0	31·0	59·0	5·3	4·1	·199	·204	65	72	E 2	NE 2	0	0	—	Very fine.
3	·92	·93	47·8	44·8	34·0	56·8	5·8	3·3	·208	·226	63	77	E 2	E 2	0	0	—	Very fine.
4	·96	·93	49·2	43·6	31·5	58·8	6·3	3·1	·213	·219	61	77	E 1	Calm 0	0	4	—	Very fine.
5	·93	·82	48·8	48·1	31·5	62·8	5·3	2·6	·227	·273	66	82	Calm 0	SW 1	3	10	·140	Very fine. ⋓ midnight.
6	·66	·55	49·3	46·8	46·2	52·6	0·9	0·5	·328	·307	94	96	SW 1	SW 1	10	10	·320	Dull, with frequent ● showers all day.
7	·36	·53	51·1	44·8	44·1	54·4	6·1	3·1	·235	·230	64	78	NW 4	N 2	5	0	·040	● *a*. Fine *p*. ▲ 10.30*p*.
8	·57	·73	47·8	43·0	41·6	51·2	5·1	4·4	·221	·198	67	70	N 3	N 2	5	9	·010	Windy, with ● showers.
9	·74	·59	45·6	41·9	38·8	49·9	4·6	1·2	·209	·240	69	92	N 1	Calm 0	8	10	·380	Overcast. ● from 6*p*.
10	·59	·70	42·1	36·9	36·7	46·5	2·6	1·3	·214	·194	81	89	NE 4	Calm 0	6	0	·010	
11	·73	·70	48·6	35·9	32·5	50·2	6·2	2·3	·209	·168	61	81	NE 3	Calm 0	3	0	—	
12	·58	·44	44·1	43·6	27·5	53·0	3·8	3·3	·211	·216	72	76	SE 1	SE 3	8	10	—	⌒ early *a*. Dull and cold.
13	·36	·25	42·9	43·4	36·9	51·4	3·7	4·4	·202	·193	73	69	E 3	E 2	10	7	—	
14	·23	·14	47·3	48·8	39·8	56·3	5·8	6·3	·204	·209	63	61	E 3	E 4	7	4	—	Cold wind.
15	·12	·10	48·3	44·8	42·8	57·3	3·3	3·3	·261	·226	78	77	E 3	E 4	10	10	·030	● 10*a*.
16	·13	·18	47·2	47·8	42·5	52·4	2·9	1·9	·258	·286	80	86	E 4	E 2	10	2	·010	● showers.
17	·23	·36	49·9	46·3	45·7	54·1	3·4	2·8	·276	·250	78	82	E 4	NE 3	8	10	—	
18	·48	·63	48·0	43·9	42·2	51·6	5·3	4·2	·219	·202	66	71	NE 1	NE 4	7	0	—	
19	·73	·81	48·8	44·4	37·2	49·9	5·7	2·6	·219	·235	64	81	E 1	S 1	8	10	—	
20	·92	·93	46·8	48·0	42·8	56·8	2·1	0·6	·271	·319	85	96	SE 2	Calm 0	10	10	·230	
21	·80	·78	49·2	48·6	47·6	54·5	0·4	0·7	·340	·324	98	95	S 5	SW 2	10	10	·170	Squally *a*. Frequent ● showers.
22	·64	·77	51·5	44·4	44·1	57·3	1·8	1·3	·334	·263	89	90	SW 4	Calm 0	10	0	·010	Overcast, with ●, then fine.
23	·83	·64	52·1	46·2	41·4	55·3	5·4	0·7	·259	·296	67	96	W 4	SW 1	8	10	·300	Dull day. ● from 6*p*.
24	·47	·34	51·7	43·7	43·7	54·8	3·1	0·9	·304	·264	80	92	N 1	Calm 0	9	0	·020	● showers.
25	·18	·31	47·6	42·3	40·3	53·0	6·1	1·2	·202	·244	62	91	N 3	Calm 0	9	10	·030	● showers.
26	·42	·64	49·9	45·6	41·2	54·2	5·4	3·1	·236	·238	66	79	N 2	N 4	6	0	—	Cold day.
27	·81	·82	53·5	41·9	41·9	58·3	5·1	1·4	·280	·236	69	90	N 2	Calm 0	8	0	—	Fine day.
28	·77	·67	49·7	43·7	31·5	56·5	2·7	2·2	·290	·237	82	82	W 1	SW 1	9	4	·150	Fine day.
29	·62	·66	47·2	46·0	41·5	58·8	0·7	2·5	·307	·253	96	83	S 1	SE 1	10	0	—	Fine *p*.
30	29·69	29·67	60·8	49·3	39·3	63·4	9·1	4·6	·286	·245	54	70	S 2	Calm 0	0	0	—	Fine day.
Mean	29·617	29·615	48·6	44·5	39·1	55·0	4·3	2·5	·247	·240	72·6	82·2		2·3		1·4	6·6	4·7	1·850	

MARGATE.—APRIL 1890.

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	30·27	30·18	44·0	40·0	38·5	45·8	4·0	2·5	·206	·198	71	80	E	1	E	1	10	0	—	Fine and bright.
2	·09	29·99	40·9	41·9	38·0	42·1	3·0	1·6	·196	·232	78	88	E	3	NE	4	8	0	—	Cold day.
3	·01	30·00	44·0	40·9	40·0	46·0	3·8	1·0	·210	·234	72	92	E	3	E	3	0	0	—	Fine, but cool.
4	·00	30·03	45·8	42·2	40·2	47·4	2·3	1·4	·256	·238	84	90	NE	3	NE	2	0	0	—	Fine and bright. ⌓ 9p.
5	30·00	29·95	41·4	41·2	38·4	47·8	0·4	2·5	·252	·208	97	81	NE	2	E	1	7	1	—	⌓ a. Fine day.
6	29·83	·70	49·0	47·0	36·8	54·8	4·2	0·3	·250	·316	72	98	SW	2	SW	3	10	9	·030	Fine day.
7	·46	·47	48·0	43·7	39·4	53·1	2·2	2·4	·281	·232	85	81	SW	3	S	2	10	0	·030	● a. Fine afternoon. ● showers.
8	·52	·59	44·0	42·0	39·6	49·8	3·2	3·0	·221	·206	76	78	*NW*	3	N	4	9	8	·010	▲ ⚹ 0
9	·71	·74	42·6	40·1	40·0	45·8	4·5	3·0	·186	·189	69	76	NW	3	SW	1	10	10	·020	Fine, but cold.
10	·61	·75	42·7	37·0	37·0	43·6	2·7	1·2	·218	·196	80	89	W	1	N	1	10	10	·070	Pleasant day.
11	·77	·76	42·7	41·1	36·9	48·3	3·8	3·7	·198	·186	72	73	NNW	2	N	2	8	0	—	Pleasant day.
12	·71	·66	42·0	37·5	36·9	47·6	3·2	1·9	·202	·188	77	84	SW	2	SW	1	0	0	—	Fine and bright. ⌓ 2 9p.
13	·61	·51	43·7	44·0	35·1	46·0	4·0	4·0	·204	·206	72	71	SSE	2	E	2	2	0	—	Very fine, but cool.
14	·43	·33	46·7	48·0	40·5	49·7	4·9	3·0	·214	·264	68	79	E	3	NW	4	0	10	—	Very fine.
15	·31	·31	48·5	49·0	45·0	57·0	3·5	1·2	·259	·327	76	92	E	3	ESE	1	0	10	·210	● 9p.
16	·39	·34	52·3	49·1	45·1	58·4	3·2	2·8	·309	·279	79	80	SE	2	NE	2	5	2	—	Very fine.
17	·33	·38	48·6	44·0	43·1	49·7	1·7	0·1	·301	·286	88	99	E	2	SE	3	10	10	·220	
18	·42	·59	43·0	42·9	42·5	44·8	0·0	0·1	·277	·274	100	99	NNE	4	N	4	10	10	·020	⌇ ▲ 7a. ● showers all day.
19	29·70	29·90	42·9	41·7	41·6	43·8	1·1	2·3	·253	·216	91	83	N	3	N	3	10	10	—	Dull day.
20	30·05	30·13	41·0	42·9	38·9	48·6	4·0	1·5	·181	·243	70	88	N	2	SW	2	10	10	—	Fine, but cold.
21	30·13	30·02	51·9	50·7	40·1	57·0	3·3	2·7	·302	·302	79	82	S	3	S	4	6	10	·200	
22	29·79	29·84	49·3	48·1	47·1	60·1	0·3	3·1	·344	·263	98	78	S	3	S	2	10	0	—	Fine day.
23	·89	·86	51·1	48·1	41·1	56·0	5·0	2·1	·256	·285	69	85	SW	3	SSW	3	3	10	·090	Fine day.
24	·57	·48	48·0	49·0	43·1	51·8	0·6	1·7	·319	·304	96	88	SW	1	SW	3	10	10	·180	Dull day.
25	·17	·38	44·7	44·0	40·0	49·0	0·1	2·0	·294	·243	99	84	SSW	2	NNW	2	10	8	·970	● 2. ⊔ 9p.
26	·49	·68	47·8	44·2	39·0	54·5	3·7	1·4	·247	·258	75	89	N	1	N	1	0	5	—	Fine day.
27	·75	·92	46·8	43·7	39·2	51·8	2·8	1·2	·256	·258	80	90	NNW	2	Calm	0	8	6	·040	Fine day.
28	·89	·85	43·6	43·0	38·0	54·4	1·0	1·2	·261	·251	92	90	W	1	NW	2	10	4	·010	● 0 a. Fine p.
29	·86	·87	51·1	46·2	42·1	54·8	3·8	2·2	·281	·262	75	85	*SW*	1	*S.*	2	3	0	—	Fine day.
30	29·91	29·87	55·0	48·9	44·8	55·8	5·5	2·9	·290	·275	68	80	*SE*	1	*E*	3	0	0	—	Fine day.
Mean	29·719	29·735	46·1	44·1	40·3	50·5	2·9	2·0	·251	·247	80·3	85·1		2·2		2·3	6·3	5·1	2·100	

SOUTHAMPTON.—APRIL 1890.

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	30·28	30·18	42·6	39·8	33·7	54·5	3·6	2·1	·201	·204	74	84	NNE	1	E	2·5	10	0	—	Beautiful day, but with cold wind. ⌓ n.
2	·06	29·99	44·3	39·0	31·3	56·9	3·4	2·0	·220	·199	74	84	NE	2	NE	1	3	0	—	⌓ a. Beautiful day, but with cold
3	·02	30·03	47·7	41·3	35·0	56·7	4·0	3·1	·241	·199	73	76	E	2·5	NE	1	3	0	—	Beautiful day. [wind. ⌓ 0 n.
4	·05	30·04	41·9	45·7	31·7	58·9	2·1	3·5	·224	·231	85	75	NNE	2	NE	1·5	3	0	—	⌓ a. Beautiful day.
5	30·04	29·97	49·7	45·1	31·5	61·5	6·7	2·8	·211	·238	59	79	NNE	2	SW	0·5	0	9	—	⌓ 0 a. Beautiful day.
6	29·87	·72	48·8	48·8	43·5	52·6	2·8	0·5	·278	·333	80	96	SW	3	SW	2	10	10	·012	● 9a.—noon. Fine afternoon.
7	·50	·58	48·5	44·4	44·0	59·3	1·3	4·4	·308	·302	90	69	SW	4	NW	3	10	0	·005	● a. Fine afternoon.
8	·62	·72	48·9	43·1	36·7	54·7	5·4	4·3	·228	·193	65	69	NNW	4	NW	2	4	2	·021	Squally ⌇ △ 11 a. △ noon.
9	·85	·77	47·0	41·9	35·7	51·6	6·8	2·9	·184	·208	57	79	NE	2	WNW	2	3	4	·056	Beautiful day, but with cold wind.
10	·63	·80	40·2	39·7	38·2	47·4	1·3	1·9	·222	·207	90	84	NNE	2	NE	2·5	9	10	·024	Fine, but with cold wind a.
11	·84	·82	42·2	39·1	33·4	50·5	2·1	2·7	·225	·187	85	79	NW	1	NE	1·5	10	0	·005	Beautiful day.
12	·76	·64	46·9	39·3	33·8	50·7	5·0	1·7	·214	·207	67	87	SE	1	SE	1	6	0	—	Beautiful day.
13	·55	·44	46·2	46·2	36·2	53·6	3·6	4·8	·234	·212	76	68	SE	3	SE	3·5	8	10	—	Beautiful day.
14	·36	·28	52·2	50·0	42·8	63·3	6·4	2·9	·241	·288	62	81	NE	3	ENE	3	5	10	·029	Beautiful day. ● from 8p.
15	·26	·23	56·8	50·5	47·4	64·6	4·1	0·8	·348	·347	75	94	ENE	2·5	E	3	6	10	·158	Beautiful day. ● from 6p.
16	·26	·31	54·1	49·4	48·0	57·4	3·2	1·5	·331	·315	79	90	SE	1·5	NE	1	8	1	·094	Beautiful day, but ● 0 2p. ⌓ n.
17	·33	·39	47·5	45·9	44·5	54·8	0·5	0·5	·316	·298	96	97	NE	1·5	NE	3	10	10	·747	● 2 (at times) 8a.—3p. and from 7p.
18	·50	·67	43·1	43·6	42·1	47·1	0·8	0·8	·261	·266	93	93	NE	2	NE	4	10	10	·342	● till 5a. ● 2 9a.—1·30p.
19	29·81	29·95	42·9	43·0	40·8	46·1	1·9	2·4	·235	·226	85	82	NE	1	NE	1	10	10	—	Dull day.
20	30·09	30·14	46·1	47·2	42·3	53·9	3·6	1·5	·234	·289	75	90	SW	0·5	SW	1·5	10	10	—	
21	30·12	30·04	53·3	49·3	46·8	55·2	3·4	0·2	·317	·346	77	99	SW		SW	1·5	10	10	·125	● 10a.—7p. ≋ late p.
22	29·83	29·93	52·5	46·6	46·6	60·7	0·4	3·7	·384	·235	97	74	WSW	1·5	W	2	10	0	—	Fine p.
23	·98	·88	54·1	47·6	41·2	60·1	5·0	0·9	·289	·308	70	94	NW	2	SW	2	6	10	·340	Beautiful day. ● p. ● 2 11p.
24	·59	·54	53·6	49·6	46·2	58·6	0·5	1·7	·398	·313	97	88	NW	1	NW	1	10	10	·367	● a. and p.
25	·13	·44	45·1	43·0	40·6	50·6	0·6	2·3	·286	·247	95	83	ESE	3	NW	3	10	5	·261	● a. Fine p.
26	·50	·71	50·6	42·2	34·9	51·7	3·6	1·2	·280	·243	76	90	SE	0·5	NNE	1	10	1	·062	● 10a.—noon. T 10 a. Beautiful p.
27	·88	·93	50·8	48·5	38·5	57·5	3·8	2·7	·278	·277	75	82	NW	0·5	NW	1	7	10	—	Beautiful day. ⌓ n.
28	·91	·86	55·0	48·0	39·0	59·4	5·8	2·9	·284	·265	66	80	SSW	0·5	SW	1	5	10	·013	● 2 3·40p.
29	·84	·84	52·1	45·8	40·0	57·5	5·0	2·1	·267	·261	69	85	SE	2	NE	1	6	1	—	Beautiful day. ⌓ n.
30	29·86	29·82	61·7	52·8	41·2	64·6	9·0	4·7	·298	·281	54	71	SE	2	E	3	1	0	—	⌓ a. Beautiful day.
Mean	29·743	29·755	48·9	45·3	39·6	55·7	3·5	2·3	·268	·254	77·2	83·4		1·9		1·9	7·1	5·4	2·661	

BABBACOMBE.—APRIL 1890.

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	29·99	29·89	42·3	41·8	41·0	46·3	2·8	1·8	·213	·227	80	86	ESE	3	E	3	10	0	—	Dull a. ⌓ p.
2	·77	·70	38·0	43·0	37·4	47·6	0·9	1·2	·211	·251	92	90	E	4	NE	2	10	0	—	Dull till 11a. ≋ 0 (mist). ⌓ p.
3	·76	·78	44·6	45·4	36·4	58·7	3·7	3·5	·217	·227	73	75	ENE	4	NE	3	2	0	—	⌓ n. and p. Very fine. ≋ 0 (mist).
4	·82	·82	45·1	41·9	35·6	53·6	4·4	3·0	·208	·205	69	78	NE	3	N	1	0	0	—	Very fine. ⌓ ≋ 0 (mist) p.
5	·82	·74	50·6	45·0	36·4	60·1	5·0	2·2	·251	·249	69	84	WNW	1	NW	1	0	6	·030	⌊ n. Dull a. ≋ 0 (mist). [⌓ p.
6	·60	·50	49·7	49·1	44·4	55·1	0·6	1·0	·342	·323	96	93	WSW	3	WSW	2	10	8	·070	Dull with ● showers. ≋ 0 a. and p.
7	·30	·44	48·6	44·7	44·4	56·1	0·6	3·3	·328	·225	96	76	WSW	4	NW	3	10	2	·020	● till 10a., then clear. ⊕ p.
8	·48	·59	50·0	41·8	41·4	53·4	5·3	3·9	·238	·188	67	73	NW	3	NNW	3	8	1	—	▲ ● a. Clear 1p.—4p. [2p. ⌓
9	·65	·57	44·0	39·9	37·6	53·0	4·1	2·9	·204	·190	70	77	NNW	3	WSW	3	9	8	·070	● showers a. and p. ⊕ 2p. Clear 10a.—
10	·41	·60	43·1	39·9	39·4	46·5	1·6	2·1	·243	·204	87	83	NNW	4	N	2	9	9	·020	≋ 0 (mist) p. [⌓ 2 ≋ 0 (mist) p.
11	·60	·59	48·6	38·2	33·5	53·9	4·0	1·1	·250	·208	73	91	WNW	2	NW	1	1	0	·040	▲ 0 noon. ● showers noon—3p. ⌊
12	·49	·35	38·7	42·4	34·0	59·8	0·9	2·6	·217	·217	93	81	NE	2	ESE	3	9	2	—	≋ 0 (mist) till 2p. ⊕ 0 (parhelia) 5p.
13	·24	29·13	48·6	44·6	42·2	49·7	2·9	1·4	·273	·263	80	90	ESE	3	E	4	6	10	·040	⌊ 2 n. ⊕ noon—5p. then ● showers.
14	29·06	28·96	45·0	49·0	43·5	51·7	3·1	3·3	·231	·268	77	77	ENE	4	ENE	5	9	10	·040	⊕ 0 ● showers a. and p.
15	28·98	28·94	47·8	48·8	46·0	54·9	0·8	1·3	·312	·312	94	91	E	3	ENE	3	9	10	·090	⊕ 0 2p. ⌓ p.
16	28·98	29·07	47·3	46·7	45·9	49·1	0·0	0·7	·327	·302	100	95	E	2	ENE	2	10	1	·120	● showers a. and p. ⊕ 0 3p.
17	29·06	·15	46·3	45·7	45·4	49·0	1·0	0·9	·290	·286	93	94	NE	4	NNE	4	10	10	·080	Dull with ≋ ● a. ⌓ p.
18	·30	·46	42·0	44·8	41·8	45·8	1·1	1·9	·242	·254	91	86	NE	3	NE	3	10	10	·090	● 2 a. ≋ 0 (mist).
19	·60	·74	41·2	43·2	39·9	46·3	2·5	2·6	·208	·225	81	81	NNE	3	NNE	1	10	10	·090	● n. and p. ≋ 0 (mist) p.
20	·84	·88	46·8	48·0	41·4	55·9	1·3	0·4	·288	·336	91	98	SSW	2	SW	3	10	10	·010	Dull day. ≋ 0 (mist) p.
21	·80	·76	48·7	48·8	47·4	51·9	0·7	0·1	·325	·343	95	99	SSW	6	SW	3	10	9	·130	≋ 0 (mist). ≋ 10p.
22	·61	·75	53·5	44·9	44·9	58·7	1·3	3·1	·373	·251	90	85	W	4	NW	1	10	0	—	⊕ 0 7a.—4p. Scotch ≋ 4p.
23	·79	·58	54·7	46·0	43·4	58·4	6·6	0·1	·265	·308	62	99	WNW	4	SSW	3	3	10	·160	⊕ 0 2p. ⌓ p.
24	29·36	·30	52·9	47·2	46·0	59·4	2·2	0·9	·342	·303	86	94	W	4	WSW	2	10	10	1·030	⌓ n. ⊕ 11a. and 2p. Dull p. ● 2
25	28·97	·25	37·8	41·8	37·4	51·0	0·3	1·7	·221	·229	98	87	NNW	3	WSW	2	10	10	·110	● 2 till 10a. Dull a. ⊕ 0 2p. ⌓ p.
26	29·28	·52	50·0	42·9	40·1	54·6	4·9	1·5	·246	·243	69	88	NNW	3	NNW	3	7	10	·120	● 2 ▲ 2 p. ⌇ 2 p. ≋ 0 (mist). [⌓ 2 p.
27	·66	·72	53·7	42·0	39·3	56·5	5·2	0·9	·281	·256	68	93	NNE	2	W	2	3	2	·280	● 2 ▲ 2 noon. ● 2 ▲ 0 ⌇ 4.30p.
28	·68	·61	55·1	41·4	38·4	56·7	4·3	1·5	·319	·229	73	89	WSW	1	SW	1	6	1	·030	T 0 11a. ⊕ 2p.—4p. ≋ 0 (mist) p. ⌓
29	·55	·57	53·4	46·1	39·3	55·8	3·0	2·2	·328	·261	80	84	SSE	4	ESE	2	2	3	—	⊔ 0 9p. ⌓ p.
30	29·59	29·56	54·2	48·9	45·2	57·7	3·4	2·0	·329	·296	78	86	ENE	2	NE	2	1	1	—	⌓ n. and p. Fine day. ⊕ 0 2p. and 4p.
Mean	29·501	29·517	47·4	44·5	41·0	53·1	2·6	1·8	·271	·256	82·4	86·8		3·1		2·4	7·1	5·2	3·060	

LONDONDERRY.—APRIL 1890.

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	30·16	30·11	46·2	47·7	38·6	62·0	3·5	2·0	·236	·282	76	86	SW	2	SW	1	9	5	—	Fine all day.
2	·03	29·99	47·7	43·9	40·0	58·0	4·8	4·2	·225	·201	69	70	SE	2	Calm	0	0	0	—	Fine and clear all day.
3	·06	30·05	41·7	43·7	33·6	62·4	3·1	2·0	·202	·241	78	84	WSW	1	Calm	0	1	0	—	Fine and clear all day.
4	·06	30·06	50·4	47·9	35·4	58·8	5·6	2·1	·237	·282	65	86	SW	1	WSW	1	0	10	—	
5	30·04	29·80	47·7	47·7	39·8	58·2	3·1	1·1	·258	·303	79	92	SW	1	SW	1	1	10	·030	Fine day. ● 6p.—9p.
6	29·69	·41	47·6	47·2	40·1	54·0	2·8	2·0	·264	·277	81	86	SW	2	SW	4	10	10	·250	● during day.
7	·45	·69	46·7	42·2	40·0	50·2	3·2	2·5	·247	·218	79	82	NW	3	NNW	4	10	3	·170	● showers all day.
8	·80	·96	45·2	41·5	38·3	49·7	4·5	3·6	·208	·193	69	74	NNE	3	NNE	2	2	4	·010	Fine all day.
9	·87	·71	45·5	42·7	38·6	49·4	5·7	1·2	·191	·248	63	90	NE	1	NW	3	9	10	·290	Fine till noon, then ● .
10	·86	·88	44·0	42·7	37·4	51·4	3·3	2·2	·218	·228	75	83	NE	2	NW	3	6	4	·040	● showers during day.
11	·96	·87	46·4	41·5	35·0	50·8	6·0	1·9	·193	·223	61	86	N	1	NE	2	10	5	·020	Fine all day.
12	·66	·60	45·2	41·7	33·7	49·9	3·5	2·9	·226	·206	75	79	NE	1	NE	1	9	10	—	
13	·55	·46	41·4	40·7	36·2	46·3	2·9	2·0	·203	·213	79	84	NE	1	SE	1	10	5	—	
14	·47	·49	49·1	42·5	32·1	55·7	4·9	3·0	·238	·211	68	79	SE	1	NE	2	1	0	—	Fine all day.
15	·46	·47	45·7	44·9	33·6	60·0	3·9	2·1	·223	·250	74	85	NE	1	NE	1	9	10	·050	● from 6p.
16	·46	·48	45·3	45·1	35·2	58·6	3·2	1·9	·233	·256	78	85	NE	2	NE	1	10	5	—	Fine all day.
17	·53	·66	46·8	44·9	43·2	52·0	2·3	2·0	·266	·252	84	85	NE	1	NE	2	10	10	—	
18	·77	·85	42·7	45·5	39·5	51·3	1·0	2·8	·252	·243	92	80	NNE	1	NE	1	10	10	—	
19	·87	·88	45·0	43·7	40·6	48·2	4·3	3·0	·209	·221	70	77	S	2	SE	2	10	8	·020	
20	·85	·84	51·2	52·7	41·8	57·6	4·0	5·0	·279	·274	74	70	SW	2	SW	2	10	10	·020	
21	·59	·62	54·3	50·7	47·2	56·2	6·1	3·5	·269	·284	64	77	SW	3	SW	4	7	10	·120	Stormy all day. ● 0 in evening.
22	·53	·67	49·7	46·2	41·0	53·3	5·4	2·5	·235	·257	66	83	SW	5	NW	4	9	7	·120	Squally ⌇ ● .
23	·71	·64	51·1	47·7	42·6	55·0	6·6	2·7	·226	·267	61	81	SW	5	SW	2	3	8	·130	● showers during day.
24	·53	·40	44·9	40·7	39·0	50·3	1·3	2·0	·267	·213	90	84	NW	1	NW	2	10	0	·070	● showers during day.
25	·31	·44	50·7	43·7	35·6	50·7	5·3	2·2	·247	·237	67	83	NW	2	NW	2	10	8	·290	● showers all day.
26	·70	·92	49·0	45·7	39·5	55·1	4·6	2·0	·243	·262	69	86	N	1	N	2	5	0	—	Fine all day.
27	·97	·96	48·7	43·7	42·0	57·8	5·0	2·0	·232	·241	68	84	N	1	Calm	0	9	0	—	Fine all day.
28	·84	·67	50·7	49·1	34·8	58·4	5·8	3·4	·237	·269	65	77	S	1	NE	1	2	10	—	Fine all day.
29	·64	·68	49·7	51·2	42·0	53·8	2·5	1·5	·295	·338	83	90	SE	1	SE	1	10	10	·080	● 0 nearly all day.
30	29·76	29·77	55·2	51·7	46·4	58·8	4·6	3·7	·314	·291	72	76	NE	2	S	2	10	10	—	
Mean	29·739	29·733	47·5	45·4	38·8	54·5	4·1	2·5	·239	·249	73·1	82·1		1·8		1·8	7·1	6·4	1·710	

ARMAGH.—APRIL 1890.

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.						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	30·06	29·97	48·8	47·6	28·4	59·3	4·7	4·3	·239	·234	69	71	SSW 1	S 1	1	0	—	Fine all day.
2	29·90	·87	47·8	36·1	35·0	53·5	3·1	1·3	·260	·188	79	88	Calm 0	Calm 0	0	0	—	Fine all day.
3	·93	·93	47·4	40·6	26·0	58·5	4·1	3·7	·235	·182	73	72	Calm 0	SSW 1	0	0	—	⌣ early *a*. Fine all day.
4	·95	·93	49·2	44·6	31·0	58·5	4·3	4·●	·251	·211	71	72	SSW 0·5	Calm 0	0	2	—	Fine day.
5	·91	·68	48·0	46·8	35·5	55·4	2·4	1·2	·276	·291	83	91	Calm 0	S 1	10	10	·067	
6	·58	·33	50·1	46·0	38·4	54·3	4·3	1·2	·260	·283	72	92	WSW 1	SW 1	7	10	·100	
7	·28	·56	48·2	38·1	37·9	54·1	4·1	1·1	·243	·207	73	90	NW 1	NW 1	9	4	—	
8	·64	·81	47·0	38·1	36·0	51·7	4·2	1·9	·229	·193	72	84	NNW 0·5	N 1	7	2	—	
9	·78	·57	45·4	39·8	36·2	51·6	4·6	1·0	·208	·225	69	92	NW 1	NW 2	8	9	·138	
10	·72	·70	43·8	41·1	33·7	51·3	2·0	0·3	·243	·252	84	97	N 1	Calm 0	10	10	·110	
11	·81	·72	45·0	36·8	31·9	48·5	5·0	1·0	·197	·199	66	92	N 1	Calm 0	8	7	—	
12	·53	·45	44·0	37·8	30·1	48·7	4·9	1·9	·190	·191	66	84	NNE 1	SE 1	9	8	·092	
13	·39	·32	38·6	39·6	36·6	44·5	1·1	0·9	·213	·225	92	93	E 1	ESE 1	10	10	·016	
14	·33	·33	47·0	40·0	35·0	51·7	3·2	2·3	·249	·202	78	82	ESE 2	ENE 1	10	3	—	
15	·29	·28	43·7	41·6	34·2	48·5	2·4	1·0	·233	·242	81	93	NE 3	ENE 3	8	10	·092	
16	·30	·31	46·0	44·8	38·1	54·5	2·9	2·0	·246	·252	80	85	NE 2	NE 1	10	10	—	
17	·37	·52	44·9	43·5	42·6	52·3	1·2	1·7	·270	·246	92	86	ENE 2	ENE 1	10	10	—	
18	·63	·72	42·6	42·8	41·0	47·5	3·9	2·2	·197	·229	73	83	NE 2	ENE 1	10	10	—	Overcast all day.
19	·75	·78	43·3	43·0	39·1	45·4	3·5	2·0	·208	·234	75	84	ESE 2	SE 0·5	10	10	·014	Overcast all day.
20	·78	·74	52·5	51·7	41·9	58·2	4·0	4·9	·294	·266	74	70	SSE 2	SSW 1	8	10	·054	
21	·54	·51	53·9	49·9	46·8	58·5	4·9	4·1	·289	·263	69	73	SW 4	SSW 2	9	10	·115	
22	·43	·58	48·6	44·0	42·5	55·5	3·9	2·0	·252	·244	73	84	WSW 2	SW 2	4	7	·095	
23	·63	·54	52·0	44·8	40·9	56·5	6·2	1·1	·242	·271	63	92	WSW 2	SW 1	8	10	·037	
24	·42	·29	46·1	39·3	38·2	50·0	2·1	2·3	·264	·196	85	82	WSW 1	WNW 1	10	0	·100	
25	·20	·31	48·9	38·7	32·7	54·2	4·1	0·8	·252	·220	73	94	W 1	NW 0·5	5	7	·085	
26	·53	·74	50·0	41·8	36·0	55·5	3·9	1·1	·267	·242	75	92	N 1	NNW 1	7	0	—	
27	·83	·82	51·2	40·7	36·4	58·5	5·4	1·9	·249	·215	66	85	NNW 1	Calm 0	5	4	—	
28	·71	·55	52·3	48·0	33·0	57·6	5·3	3·0	·263	·263	67	79	Calm 0	SSE 2	8	8	·050	
29	·52	·58	47·4	49·4	40·0	52·6	0·8	1·6	·308	·312	94	90	SE 2	S 2	10	8	·098	
30	29·65	29·66	50·9	50·4	47·2	57·2	3·9	3·9	·277	·272	75	75	SSE 3	ESE 2	10	10	—	
Mean	29·612	29·603	47·5	42·9	36·7	53·5	3·7	2·1	·247	·235	75·4	84·9		1·4		1·1	7·4	6·6	1·263	

MARKREE CASTLE (SLIGO).—APRIL 1890.

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	30·11	30·01	44·8	43·7	35·3	59·9	2·2	1·3	·249	·256	84	89	SSE 1	SE 1	9	8	—	
2	29·93	29·91	43·9	37·0	36·1	54·6	2·2	0·9	·240	·202	84	92	SE 1	Calm 0	7	5	—	
3	30·00	29·98	45·2	38·0	25·8	58·0	3·3	0·7	·230	·214	76	94	SSE 0·5	Calm 0	5	4	—	
4	30·01	30·00	47·1	43·4	26·4	55·8	2·9	0·7	·256	·266	79	95	Calm 0	Calm 0	4	10	—	
5	29·97	29·75	48·1	47·0	42·5	54·3	1·4	0·9	·301	·301	90	94	SE 0·5	WNW 0·5	10	10	—	Overcast all day.
6	·66	·42	50·0	46·8	34·2	55·8	3·8	0·8	·269	·301	75	94	SW 1	WSW 1	8	10	·320	
7	·46	·68	45·3	43·7	41·1	49·6	1·3	3·5	·272	·212	90	74	NW 4	NW 3	9	7	·170	
8	·77	·93	46·1	42·3	39·1	49·8	4·6	3·6	·215	·199	69	74	NNW 3	NNW 1	8	8	—	
9	·86	·74	47·2	40·1	33·2	49·0	5·0	0·4	·216	·240	67	97	SSW 0·5	NNW 5	9	9	·190	
10	·84	·82	42·1	44·0	37·9	48·7	2·3	2·6	·220	·232	83	80	NNW 1	NNW 1	9	9	·060	▲ ● showers in past *n*.
11	·91	·78	47·2	35·1	33·7	50·8	5·3	0·9	·210	·187	65	91	NNE 1	Calm 0	8	6	—	
12	·56	·48	42·8	41·3	30·3	48·0	3·0	2·8	·213	·204	78	79	ESE 2	SE 1	10	10	—	Overcast all day.
13	·44	·35	40·2	41·2	33·0	44·9	2·0	1·1	·209	·235	85	92	ESE 2	ESE 1	10	10	·060	Overcast all day.
14	·36	·38	48·0	42·2	34·0	53·3	4·7	3·7	·230	·197	69	74	ESE 3	ENE 1	8	7	—	
15	·35	·34	46·4	45·2	34·2	50·3	3·4	1·9	·240	·258	77	86	ENE 1	ESE 1	7	10	·010	⌣ 0
16	·35	·37	43·7	47·2	38·4	56·1	2·4	3·3	·233	·249	81	77	ENE 3	ENE 3	10	10	—	
17	·41	·55	47·0	41·7	40·1	50·1	1·8	0·8	·280	·248	87	94	E 2	E 0·5	10	8	—	
18	·60	·76	44·6	44·2	29·3	49·8	2·7	2·8	·236	·230	80	79	ESE 1	ESE 1	10	10	—	⌣
19	·76	·79	45·0	44·5	41·3	51·4	3·4	0·3	·225	·286	76	98	SE 2	ESE 2	10	10	·010	Overcast all day.
20	·78	·73	50·5	47·7	42·2	57·3	3·1	1·8	·290	·288	79	87	S 2	SE 1	10	10	·030	Overcast all day.
21	·60	·53	54·7	48·2	47·0	57·5	6·1	1·1	·275	·310	64	93	WSW 4	SSE 2	9	10	·090	
22	·54	·69	49·0	44·2	42·9	54·8	3·7	1·5	·261	·257	75	89	WNW 4	SW 1	8	9	·080	
23	·74	·59	46·8	44·8	42·1	54·0	2·6	0·6	·259	·283	81	96	WSW 1	S 0·5	9	10	·090	
24	·50	·37	46·6	36·9	36·0	50·2	1·9	1·2	·273	·196	87	90	WNW 0·5	Calm 0	10	3	·060	
25	·29	·41	47·2	43·9	28·3	50·0	3·0	1·9	·255	·245	79	85	NW 2	NW 1	8	9	·090	
26	·66	·87	47·9	42·1	40·0	53·1	4·2	0·8	·239	·251	72	93	NNW 3	NNW 2	9	4	·020	
27	·93	·89	50·3	41·2	36·4	54·2	5·1	0·9	·246	·240	67	93	NNW 1	NNW 0·5	8	9	—	
28	·76	·59	51·3	49·1	29·2	58·0	6·0	1·9	·239	·302	64	86	S 2	SE 0·5	5	10	·240	
29	·52	·61	49·0	48·9	45·4	59·4	0·5	0·6	·335	·331	97	96	SSE 1	WSW 0·5	10	10	340	
30	29·67	29·66	50·2	48·0	45·3	57·8	1·0	1·6	·337	·295	93	89	SE 2	SSE 2	10	3	—	
Mean	29·680	29·666	46·9	43·5	36·7	53·2	3·2	1·6	·252	·251	78·4	88·3		1·7		1·1	8·6	8·3	1·860	

DUBLIN (PHŒNIX PARK).—APRIL 1890.

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	30·15	30·05	51·2	40·8	39·9	57·0	4·7	0·3	·264	·248	70	98	SE 1	Calm 0	2	5	—	Beautiful day.
2	30·00	29·92	44·8	34·8	30·7	51·8	1·7	0·9	·257	·184	87	92	SSE 1	Calm 0	5	0	—	Beautiful day. ∞
3	29·98	30·00	43·6	38·4	25·2	53·6	1·9	0·5	·243	·222	86	96	Calm 0	Calm 0	0	0	—	Beautiful day. ∞
4	30·02	29·98	47·3	45·1	28·7	57·6	4·1	0·9	·234	·279	72	93	Calm 0	Calm 0	0	6	—	Bright *a*. Cloudy *p*.
5	29·98	·78	48·2	48·8	40·1	54·2	0·8	1·6	·317	·305	95	88	Calm 0	Calm 0	4	7	·055	Cloudy day. ● 0 *p*.
6	·70	·50	47·0	47·6	41·7	49·8	1·8	1·1	·280	·303	87	93	Calm 0	WSW 2	4	8	·140	Bright *a*. Cloudy *p*. ● 0 from 9.30 *p*.
7	·37	·65	48·3	41·0	40·7	53·3	4·0	2·1	·247	·213	73	83	WNW 3	WNW 1	6	2	·005	● 0 till 4*a*. Bright, with squally
8	·69	·87	46·0	39·5	39·3	51·0	4·5	3·0	·216	·185	70	77	NW 2	NW 1	4	1	—	Bright day.
9	·86	·66	42·9	41·1	33·9	50·6	4·0	2·0	·197	·216	72	84	NW 1	W 2	5	1	·060	Cloudy day. ● 0 *p*.
10	·78	·77	42·6	40·7	38·3	49·6	3·4	1·4	·205	·224	75	88	N 2	Calm 0	5	5	·050	Cloudy day. ▲ ● 0 showers *p*. ⌢ *p*.
11	·87	·77	42·2	34·2	33·3	47·3	3·2	1·5	·205	·168	77	84	N 1	Calm 0	7	5	—	Beautiful day.
12	·59	·47	44·7	40·7	27·2	47·5	4·6	2·2	·201	·210	68	83	NE 1	Calm 0	6	5	·020	
13	·42	·33	43·1	43·7	38·7	48·6	1·1	2·2	·254	·238	91	83	ENE 1	Calm 0	8	10	·005	
14	·33	·32	49·2	46·6	41·1	52·5	5·1	2·1	·235	·269	67	86	E 2	ENE 2	4	4	—	Beautiful day.
15	·31	·31	44·5	44·7	41·4	46·8	1·1	2·0	·268	·251	91	86	ENE 2	ENE 2	10	8	·375	Dull, with ● 2 till 4*p*.
16	·31	·32	42·3	45·7	40·2	48·4	0·4	0·7	·262	·291	97	95	ENE 2	E 2	10	10	·085	Dull, with ● 0 till 4*p*.
17	·40	·54	45·5	45·3	43·9	50·5	0·6	0·6	·292	·289	96	96	E 1	ENE 1	10	6	—	Dull *a*. Cloudy *p*.
18	·65	·75	43·2	44·1	42·7	47·0	0·8	2·0	·262	·245	93	84	NE 1	ENE 1	10	8	—	Dull *a*. Cloudy *p*.
19	·81	·86	43·0	43·5	41·1	46·5	2·6	3·3	·223	·214	80	75	E 1	ESE 1	10	6	·015	Dull day.
20	·86	·85	52·4	49·8	42·2	62·0	4·2	4·3	·288	·258	73	72	S 1	Calm 0	3	2	·005	Beautiful day.
21	·68	·69	53·4	50·0	47·7	59·5	2·8	2·4	·332	·300	82	84	WSW 2	SSW 2	8	10	·070	*n*. Dull and cloudy *a*. Bright *p*.
22	·56	·73	47·9	46·0	41·7	55·5	2·6	2·5	·271	·255	82	83	WSW 3	WSW 2	2	4	·015	● 2 showers *a*. Bright day.
23	·76	·63	49·6	44·7	41·9	53·8	3·1	0·4	·280	·286	80	96	W 2	Calm 0	6	5	·070	Cloudy, with ● 0 showers.
24	·52	·40	47·8	39·0	38·1	51·5	1·6	1·1	·293	·216	88	91	WSW 2	Calm 0	8	1	·035	Cloudy, with ● 0 showers.
25	·29	·41	46·8	41·5	31·9	53·2	3·7	0·8	·237	·245	75	94	NW 1	Calm 0	5	3	·080	Cloudy, with ● 2 ▲ 2 showers.
26	·54	·78	47·1	43·8	35·7	54·0	3·1	2·3	·252	·237	78	82	NNW 2	NNW 1	6	0	·010	Cloudy day. ⌈ ▲ 2 noon.
27	·88	·87	49·3	41·0	36·1	56·6	4·2	0·7	·254	·242	72	94	NNW 1	Calm 0	6	1	—	Beautiful day.
28	·78	·64	51·9	46·1	32·2	57·2	4·8	2·6	·269	·254	70	82	Calm 0	Calm 0	5	7	·240	Bright *a*. Cloudy *p*.
29	·58	·67	48·4	50·0	42·1	56·2	0·2	1·2	·336	·329	98	92	Calm 0	Calm 0	10	5	·040	Dull, with ● 0 till 2*p*., then cloudy.
30	29·73	29·72	51·0	49·4	46·5	59·6	1·8	1·2	·328	·322	87	91	SE 1	Calm 0	7	5	—	
Mean	29·679	29·673	46·8	43·6	37·8	52·8	2·8	1·7	·260	·250	81·1	87·5		1·2		0·7	5·9	4·7	1·375	

PARSONSTOWN (BIRR CASTLE).—APRIL 1890.

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

1	30·09	30·02	49·7	42·4	35·9	58·7	4·6	1·8	·250	·233	71	86	SE 1	Calm 0	1	0	—	Bright and warm. ∞
2	29·90	29·84	45·7	37·4	34·7	55·9	3·6	2·5	·229	·176	76	79	SE 1	ESE 2	0	0	—	[wind. ∞ ⌣ 0 *a*. Fine and bright, but with cold
3	·95	·97	44·3	44·6	27·2	59·8	4·3	3·6	·203	·218	70	74	Calm 0	Calm 0	0	0	—	⌣ *n*. ∞ 2 *a*. Bright and warm.
4	·98	·98	46·9	43·5	29·8	58·6	4·1	1·5	·230	·250	73	88	Calm 0	Calm 0	0	4	—	⌣ *n*. Bright and warm. ≋ 0 (mist).
5	·94	·77	48·8	45·6	39·0	58·4	1·9	2·5	·298	·250	86	82	Calm 0	Calm 0	9	10	·030	Mild, with ∞ ● showers.
6	·66	·49	47·9	47·9	36·7	53·9	3·2	1·7	·258	·291	78	88	Calm 0	W 3	7	10	148	Fine and bright.
7	·45	·68	49·4	41·2	40·3	53·1	5·6	2·6	·227	·206	64	80	NW 3	NW 2	9	7	·041	[showers. ● *n*. Bright *a*. Day mild. ●
8	·73	·89	45·5	38·2	37·8	51·6	3·6	2·6	·227	·181	75	79	NNW 2	NNW 1	9	0	—	Bright and cold.
9	·86	·74	45·9	41·9	32·8	50·9	6·0	3·5	·189	·198	61	75	NW 1	NW 3	9	4	·026	⌣ 0 *n*. Bright and cold. Squally.
10	·80	·80	45·1	42·5	37·7	49·6	4·4	2·6	·208	·218	70	81	NW 2	W 2	8	9	·016	Bright, cold, and squally. ▲
11	·86	·75	44·9	36·5	31·4	49·1	5·8	2·7	·184	·167	62	77	NNE 1	Calm 0	7	0	—	⌣ *n*. Fine and bright. ≋ 0 (mist) *p*.
12	·54	·43	43·7	40·9	29·6	47·3	3·6	3·5	·210	·188	74	74	SE 2	Calm 0	8	4	—	⌣ *n*. Dull, with ∞ 2.
13	·38	·28	44·5	43·5	36·6	50·2	4·6	3·4	·199	·212	68	76	Calm 0	SE 2	10	10	—	∞ *a*. Dull day.
14	·28	·20	47·7	42·7	38·8	57·1	4·7	2·9	·227	·214	69	79	E 1	Calm 0	9	0	—	∞ *a*. Day bright and mild.
15	·24	·22	47·0	45·0	38·7	49·4	3·3	1·6	·247	·262	77	88	NE 2	NE 2	9	10	—	Dull, with ∞.
16	·22	·26	44·9	46·2	38·8	49·7	3·0	1·9	·232	·270	78	87	ENE 3	NE 3	10	10	·028	Dull and cold, with ●.
17	·32	·47	46·9	45·6	43·8	54·9	2·1	2·2	·272	·256	86	84	NE 2	ENE 3	10	7	—	Fine and mild. ∞
18	·61	·70	45·9	44·2	43·0	48·7	3·0	3·4	·243	·218	79	75	Calm 0	Calm 0	10	10	—	Dull and cool. ∞ [● 9*p*.
19	·72	·78	47·5	45·1	30·1	53·3	4·6	1·9	·227	·256	70	85	SE 1	SSE 2	9	10	—	⌣ *n*. Bright *a*. Day cool. ∞.
20	·79	·76	52·7	49·0	39·8	62·7	3·9	3·0	·298	·276	75	79	SSE 1	S 3	7	10	·030	Cool *a*. Day very warm. ∞
21	·65	·67	52·9	49·0	47·8	58·9	5·1	1·9	·274	·300	69	87	WSW 3	S 2	10	10	·035	Dull, with ≋ 0 (mist) *a*. Warm day.
22	·59	·74	49·3	45·8	44·8	56·0	5·6	3·0	·227	·242	65	79	SW 3	WSW 3	6	4	·065	Bright and gusty. [● 5*p*.
23	·77	·58	48·3	44·6	41·7	53·8	3·1	1·1	·265	·269	78	92	WSW 2	SE 1	8	10	·120	Dull *a*. Day mild. ● 9*p*.
24	·51	·36	47·1	40·3	38·8	51·3	1·3	1·4	·292	·221	91	89	SW 1	Calm 0	10	9	·011	Dull, with ≋ 0 (mist) *a*. Ψ 9*p*.
25	·31	·39	47·8	42·9	29·0	53·2	4·9	2·0	·224	·233	68	84	NW 1	NW 2	5	10	·021	⌣ *n*. Bright day
26	·58	·83	47·9	43·5	40·2	54·7	4·9	2·4	·225	·231	68	82	NNW 2	NNW 1	7	0	—	≋ 0 (mist) *a*. Day bright and windy.
27	·90	·86	48·4	45·9	31·9	58·6	4·4	2·9	·240	·245	71	80	Calm 0	Calm 0	7	5	—	⌣ *n*. Warm *a*. Fine and bright.
28	·73	·58	53·3	47·8	33·5	58·1	6·3	2·1	·254	·281	63	85	Calm 0	SSE 2	4	10	·109	⌣ *n*. Fine day. ● 9*p*. [6*p*.
29	·50	·60	53·9	49·7	46·7	60·7	3·0	1·5	·333	·318	80	89	S 1	S 2	10	10	·014	● *n*. ≋ 0 (mist) *a*. Day close. ● 2
30	29·63	29·65	51·7	48·6	46·9	61·3	4·5	2·3	·273	·287	72	84	SE 1	SSE 1	10	10	—	∞ *a*. Fair and mild.
Mean	29·650	29·642	47·9	44·1	37·5	54·7	4·1	2·4	·242	·239	72·9	82·2		1·2		1·4	7·3	6·4	0·694	

SWANBISTER.—MAY 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 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													SSE 2	SE 2				
2													ENE 2	E 2				
3													ESE 1	NE 1				
4													E 1	E 2				
5													NE 3	NE 2				
6													E 2	NE 1				
7													ESE 1	SE 1				
8													E 1	N 1				
9													NE 1	E 2				
10													E 4	E 4				
11													SE 3	E 4				
12													Calm 0	Calm 0				
13													SE 1	SE 2				
14													SW 1	S 2				
15													S 4	Calm 0				
16													S 2	SSE 2				Observations, except with anemometer, temporarily discontinued owing to change of station.
17													ESE 4	SW 2				
18													S 2	SE 3				
19													SE 1	E 1				
20													E 2	ESE 3				
21													SE 4	Calm 0				
22													Calm 0	Calm 0				
23													SW 1	E 2				
24													SE 2	ESE 1				
25													NE 6	NE 4				
26													N 5	NNE 4				
27													N 2	NW 5				
28													NW 4	WNW 3				
29													NW 5	N 1				
30													NW 6	NNW 4				
31													NW 4	NW 3				
Mean													2·5	2·1				

DUNROBIN CASTLE.—MAY 1890.

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	30·04	30·02	53·0	52·8	50·9	58·0	4·7	1·8	·284	·350	71	87	E	SW	—	—	—	Fine and mild.
2	29·86	29·81	48·7	48·7	44·7	57·5	2·7	2·0	·279	·296	81	86	W	SW	—	—	—	Dull day.
3	·79	·85	51·7	48·0	45·7	53·3	2·4	2·5	·322	·274	84	83	S	S	—	—	—	Dull day.
4	·82	·84	54·7	49·7	48·0	55·7	2·4	4·7	·360	·248	84	69	SE	SE	—	—	—	Fine day. ≋⁰ (mist).
5	·83	·79	55·7	49·1	48·8	58·3	4·4	0·8	·326	·329	73	94	E	SE	—	—	·030	Fine day.
6	·75	·72	53·7	50·5	47·8	56·3	2·4	2·8	·346	·297	84	81	SE	E	—	—	·090	
7	·71	·77	50·7	43·9	42·6	56·7	1·7	3·4	·326	·216	88	75	W	SE	—	—	—	Dull day.
8	·79	·84	46·6	49·3	43·2	52·3	0·3	0·8	·311	·331	98	95	SE	SE	—	—	—	Dull day.
9	·81	·68	50·0	45·6	44·7	53·0	1·5	1·5	·322	·276	90	90	S	SE	—	—	—	Dull day.
10	·63	·64	48·7	43·6	40·9	50·0	0·4	0·5	·334	·277	97	97	SE	SE	—	—	·150	Dull day.
11	·63	·55	50·0	45·6	40·7	50·0	3·7	0·9	·271	·286	76	94	E	E	—	—	—	Dull *a*. Fine *p*.
12	·42	·57	50·7	49·7	44·5	54·5	1·7	1·4	·326	·321	88	90	SE	E	—	—	—	Dull day.
13	·53	·46	50·3	48·3	47·2	55·3	1·6	1·3	·324	·306	89	91	W	W	—	—	·150	Dull day.
14	·47	·70	51·7	45·4	45·4	57·3	4·7	3·1	·269	·236	70	78	SW	SW	—	—	·050	Dull and mild. ●⁰ showers.
15	·72	·78	51·3	45·9	38·9	54·3	6·0	2·4	·239	·256	64	84	W	NW	—	—	—	Fine and breezy.
16	·75	·67	50·0	45·2	41·5	55·3	2·7	1·7	·293	·262	82	88	W	SW	—	—	·420	Fine *a*. Dull *p*.
17	·36	·59	50·3	48·0	42·5	59·0	1·0	2·5	·339	·274	93	83	W	N	—	—	—	Dull *p*.
18	·73	·84	53·5	50·5	40·9	56·5	5·5	1·2	·272	·336	66	91	NW	NE	—	—	—	Fine and mild.
19	·84	·86	51·0	53·3	46·5	56·3	3·3	2·3	·292	·343	78	84	S	S	—	—	—	Fine, but cold.
20	·79	29·84	53·7	49·7	46·9	59·3	2·4	1·7	·346	·313	84	88	SE	S	—	—	—	Dull and cold.
21	29·89	30·09	55·7	53·5	47·9	59·3	2·4	2·2	·376	·348	85	85	S	SE	—	—	—	Fine day.
22	30·20	·29	59·6	58·9	52·7	59·7	3·3	4·6	·409	·363	80	73	S	SW	—	—	—	Fine day.
23	·29	·24	58·6	60·6	55·2	60·7	2·6	1·9	·413	·467	84	88	S	SE	—	—	—	Fine and warm.
24	·26	·21	57·9	56·5	50·7	65·5	2·6	1·8	·403	·404	84	88	SW	S	—	—	—	Fine and warm.
25	·18	·21	57·9	55·7	47·2	59·7	2·6	1·2	·403	·410	84	93	E	E	—	—	—	Dull day.
26	·18	·10	51·0	43·6	42·5	55·7	5·3	2·3	·249	·234	67	82	NE	NE	—	—	—	Dull day. Colder *p*.
27	·10	·10	49·7	49·3	41·3	57·5	4·4	3·0	·254	·280	71	79	SE	SE	—	—	—	Dull day.
28	30·09	30·01	52·0	58·6	46·5	59·0	3·7	4·9	·294	·353	76	72	N	S	—	—	·140	Dull *a*. ● showers *p*.
29	29·88	29·84	51·5	45·2	43·9	58·6	2·2	3·9	·324	·219	85	73	N	NW	—	—	·150	Dull *a*. ● showers *p*.
30	29·88	30·01	45·6	40·4	37·7	51·0	6·3	2·1	·182	·209	60	83	N	NE	—	—	·070	Fine day. ⚹⁰ shower *p*.
31	30·05	30·01	49·7	43·9	38·5	54·0	6·4	2·6	·216	·231	61	80	NW	N	—	—	·170	Cold *a*. Clear *p*.
Mean	29·848	29·869	52·1	49·3	45·0	56·4	3·1	2·2	·313	·301	79·9	84·6	—	—	—	—	1·420	

BRAEMAR.—MAY 1890.

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.		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	28·84	28·83	48·3	42·6	40·2	58·0	3·6	3·1	·255	·210	75	78	S 0·5	SE 0·5	5	2	·040	Fine day.
2	·64	·64	39·6	44·1	28·2	56·8	1·3	4·4	·217	·199	89	68	S 0·5	S 0·5	7	6	·060	Fine day.
3	·64	·65	49·0	44·9	42·7	60·0	5·9	3·9	·219	·215	63	72	S 1	S 0·5	8	5	—	Fine day. ⊍
4	·61	·62	53·5	50·5	31·0	65·8	7·0	2·0	·244	·317	60	87	NE 2	NE 0·5	2	3	—	Fine day.
5	·58	·57	50·5	48·5	44·3	59·8	2·0	1·0	·317	·316	87	93	NE 0·5	E 0·5	8	10	·550	Dull, with ● showers.
6	·49	·52	48·5	46·5	44·3	60·0	1·0	2·2	·316	·266	93	84	E 2	SE 0·5	7	7	—	
7	·46	·62	51·5	50·3	37·0	60·0	2·8	3·1	·310	·288	81	79	SE 1	S 0·5	7	4	—	Fine day.
8	·52	·60	52·5	49·5	35·3	60·0	5·0	2·3	·272	·297	69	84	SE 2	SE 1	5	8	—	Fine day.
9	·56	·49	49·5	46·4	45·8	55·0	2·0	0·0	·304	·316	87	100	SE 2	NE 0·5	8	9	·050	Dull day.
10	·38	·39	47·5	43·3	43·3	50·0	2·0	0·8	·281	·263	86	94	NE 2	NE 1	8	10	·070	Dull and damp.
11	·40	·28	44·6	43·6	42·8	50·0	0·3	1·4	·287	·252	97	89	NE 2	NE 2	10	10	·180	Dull and damp.
12	·24	·32	46·6	49·5	42·3	50·0	1·1	2·3	·292	·297	93	84	NE 1	SW 1	9	8	·040	Fine day.
13	·32	·29	49·5	48·5	41·0	58·3	8·0	6·3	·188	·207	53	60	SW 1	SW 1	7	7	·050	Fine day.
14	·33	·52	46·6	43·1	39·5	58·5	3·6	3·6	·237	·205	75	74	SW 2	SW 1	8	3	·050	Fine day.
15	·54	·59	46·1	42·8	38·5	51·0	3·8	2·3	·230	·227	74	83	SW 2	SW 0·5	8	1	·100	Fine day.
16	·54	·46	46·6	47·0	36·5	50·8	3·8	1·7	·233	·282	74	88	SW 2	SW 1	8	8	·200	● showers.
17	·16	·38	52·3	48·3	43·0	57·0	2·0	3·8	·339	·251	86	74	SW 4	SW 2	8	8	—	Fine day.
18	·52	·59	52·8	48·0	41·5	56·5	5·3	1·0	·270	·309	68	93	S 2	SE 1	7	8	·020	Fine day.
19	·64	·65	46·7	52·0	44·8	58·0	5·9	1·3	·198	·353	62	91	SE 1	SE 1	10	6	—	Fine day.
20	·60	·57	48·5	47·7	47·2	56·0	2·0	6·0	·292	·203	86	62	E 1	E 1	8	7	·190	● showers.
21	·68	28·89	49·5	50·5	45·5	54·0	2·8	3·0	·285	·293	81	80	SE 2	SW 2	8	8	·060	● showers.
22	28·96	29·06	52·5	55·5	49·0	64·0	2·0	5·0	·341	·310	87	90	SW 1	SW 1	5	3	—	Fine day.
23	29·04	29·11	64·6	55·0	41·5	70·0	7·1	4·0	·384	·325	63	75	SW 1	SW 1	3	1	—	Fine day.
24	29·04	28·97	63·4	57·6	37·0	72·0	7·9	3·9	·345	·364	59	77	SW 0·5	SE 0·5	1	1	—	Fine day.
25	28·93	·96	58·6	42·6	38·0	73·0	7·1	5·1	·302	·177	62	65	SE 1	NE 1	2	7	—	Fine day.
26	·94	·92	44·6	42·4	39·8	60·0	3·6	3·7	·218	·198	74	74	NE 1	E 0·5	6	8	—	Fine day.
27	·86	·92	46·6	49·5	35·0	60·0	5·1	3·8	·210	·265	66	74	NE 1	N 1	7	8	—	Fine day.
28	·87	·88	58·6	46·5	43·2	65·0	7·1	3·5	·302	·238	62	76	NE 1	N 1	6	8	·070	Fine day.
29	·74	·67	50·0	42·6	41·0	52·0	2·5	1·1	·298	·249	83	91	N 1	N 1	10	10	·260	
30	·71	·83	37·6	36·6	36·0	49·0	3·1	2·5	·169	·174	75	81	NW 1	W 1	8	10	·130	● showers.
31	28·89	28·90	40·8	42·6	35·0	52·0	0·1	2·1	·252	·229	100	85	NW 2	NW 1	8	10	·040	
Mean	28·634	28·667	49·6	47·0	40·3	58·1	3·8	2·9	·271	·261	76·5	80·2	1·4	0·9	6·8	6·6	2·160	

LAUDALE.—MAY 1890.

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	29·94	29·92	56·7	53·0	42·0	62·7	6·5	6·5	·291	·248	63	62	E 3	E 3	2	2	—	Fine and warm. ∞
2	·82	·77	54·3	48·8	42·2	60·7	7·5	1·9	·242	·300	57	86	SE 2	Calm 0	2	10	·090	Fine and warm till 2*p*. ●⁰ from 3*p*.
3	·79	·75	50·8	54·7	43·9	61·3	3·8	6·2	·278	·273	75	64	ESE 3	S 1	5	10	—	Cloudy and very close.
4	·71	·69	59·7	65·8	47·9	67·7	8·3	8·8	·289	·358	57	57	E 2	Calm 0	1	2	—	Fine and very warm. T *p*.
5	·68	·66	62·7	53·0	47·9	67·2	6·9	2·1	·360	·345	64	85	ESE 2	ESE 2	2	8	·070	Fine and very warm *a*. Cloudy *p*.
6	·62	·62	56·0	52·2	50·1	58·0	4·0	2·2	·340	·332	75	85	E 3	Calm 0	10	10	—	Dull most of day. [R² ●² *p*.
7	·60	·67	56·2	50·0	47·2	62·5	5·1	2·3	·316	·302	70	84	SE 1	Calm 0	3	4	—	Fine and bright, with ∞.
8	·72	·75	56·3	52·2	47·0	61·8	5·0	2·2	·320	·332	70	85	Calm 0	Calm 0	4	10	—	Fine and mild.
9	·74	·61	56·0	53·0	44·3	61·3	3·8	2·5	·345	·335	76	83	E 1	Calm 0	2	8	—	Fine and warm. Splendid sunset.
10	·49	·50	53·0	52·0	44·4	61·3	4·5	3·2	·288	·305	72	79	E 4	Calm 0	7	7	·100	Clouded suddenly at 8*a*. Day dull.
11	·53	·45	54·0	53·0	47·6	64·2	3·3	1·8	·327	·352	78	87	E 2	NW 1	8	10	·060	Cloudy and very warm. ●⁰ at night.
12	·43	·52	53·5	50·2	47·9	60·3	2·2	1·9	·348	·315	85	87	Calm 0	Calm 0	10	10	·140	∞ *a*. Day dull and close.
13	·53	·44	50·8	48·5	46·0	62·0	3·0	2·3	·296	·285	80	83	Calm 0	W 2	8	10	·050	Fine and warm *a*. Dull *p*.
14	·51	·66	48·8	46·5	42·5	62·3	3·1	3·5	·272	·238	79	76	WNW 2	SW 2	7	7	·360	▲² ●² showers all day.
15	·70	·76	46·5	48·8	41·3	54·7	2·2	4·5	·266	·243	84	70	W 2	W 2	10	6	·160	Cold ● showers all day. ▲² 10*p*.
16	·73	·56	48·9	49·0	40·8	60·6	3·7	1·2	·260	·317	75	92	S 2	Calm 0	7	10	·440	● showers all day. Steady ● at night.
17	·30	·53	51·7	50·8	47·3	55·8	0·9	3·0	·360	·296	94	80	Calm 0	SSW 1	10	9	·060	●⁰ *a*. Day dull, with ≋⁰ (mist).
18	·62	·72	54·7	53·0	47·6	57·0	5·5	3·2	·286	·317	67	79	SE 3	SE 1	10	6	—	
19	·77	·79	58·0	55·0	47·1	65·3	3·7	2·7	·375	·357	78	83	SE 1	Calm 0	3	5	—	Fine and bright.
20	·65	29·67	62·8	51·0	50·1	65·3	5·5	0·6	·397	·358	70	96	E 2	ESE 1	7	3	—	Very bright early *a*.
21	29·72	30·01	54·8	53·0	50·0	60·2	3·5	1·2	·335	·369	78	92	ESE 4	ESE 6	10	10	·110	(gale) *p*. ●⁰ at night.
22	30·17	·25	57·3	60·5	51·2	62·2	2·3	4·3	·401	·395	85	75	SSE 3	Calm 0	9	4	—	Fine and bright *p*.
23	·22	·17	65·3	61·8	53·1	72·6	6·3	4·6	·414	·407	67	74	E 2	S 1	3	5	—	Fine and warm till 4*p*., then dull.
24	·19	·12	65·8	64·5	53·6	73·7	8·8	7·5	·358	·371	57	61	ESE 1	Calm 0	0	0	—	Fine and warm all day.
25	·03	·08	69·7	49·0	44·1	70·4	8·7	4·7	·421	·241	58	69	Calm 0	E 6	1	1	—	Fine and warm all day. (gale) from [10*a*.
26	·10	·06	53·3	49·7	43·6	58·5	5·6	4·5	·268	·252	66	70	E 4	E 4	2	1	—	Fine, but cold.
27	·08	·10	51·7	46·5	40·0	58·7	5·7	0·9	·249	·295	65	93	E 3	Calm 0	0	0	—	Fine, but with cold breeze.
28	30·13	30·11	49·4	47·7	40·9	52·9	2·7	2·7	·287	·267	82	81	NNW 1	NW 2	10	10	·170	Threatening appearance all day. Cold.
29	29·94	29·83	50·0	46·3	46·0	53·2	0·7	1·3	·342	·283	95	91	WNW 6	Calm 0	10	10	·500	● till 2*p*. ≋⁰ (mist) ● later *p*.
30	29·97	30·07	44·8	43·7	39·6	48·8	3·8	3·8	·216	·207	73	73	N 4	N 4	6	8	·020	Cold ● showers *a*. ▲
31	30·12	30·07	46·4	47·2	39·4	53·5	4·2	3·1	·225	·253	72	79	N 2	N 1	8	7	·180	Cloudy day.
Mean	29·792	29·802	54·8	51·9	45·7	61·2	4·5	3·3	·315	·308	73·1	79·4	2·1	1·3	5·7	6·5	2·510	

DUNDEE.—MAY 1890.

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.						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	29·89	29·85	52·0	43·1	41·4	55·2	3·9	0·7	·289	·263	75	94	SE	2	SE	1	5	7	—	Fine day.
2	·68	·66	46·1	47·0	37·0	57·1	2·1	0·5	·264	·311	85	97	S	1	SE	1	10	10	·050	● 0 from 8p.
3	·70	·66	53·1	43·5	43·1	58·5	2·6	2·5	·334	·229	82	80	SE	2	SE	1	5	10	—	
4	·60	·60	53·7	48·4	37·2	58·7	3·6	1·1	·317	·313	77	92	SE	1	SE	2	5	7	—	Fine day.
5	·56	·53	56·1	47·2	45·8	62·4	3·8	0·5	·347	·313	76	97	SE	4	SE	6	5	10	·050	Dull day.
6	·53	·52	46·9	46·5	45·1	51·4	0·4	0·5	·312	·304	98	96	SE	1	SE	1	10	10	—	≈.
7	·52	·55	46·6	43·7	43·2	55·6	0·2	0·2	·313	·281	99	98	SE	2	SE	2	10	10	—	Dull, with ≈.
8	·60	·62	46·2	48·2	42·2	56·5	1·4	0·7	·281	·320	91	96	E	1	E	1	10	10	—	Dull day.
9	·57	·51	51·4	47·2	40·8	54·3	0·9	0·7	·356	·308	94	96	E	1	SE	1	1	10	·030	Dull day.
10	·38	·38	46·6	45·7	44·7	48·9	0·6	0·2	·303	·303	96	99	E	6	E	4	10	10	·250	● n., and from 10a.
11	·42	·25	45·6	45·9	43·7	48·6	0·1	0·8	·304	·290	100	95	E	1	NE	2	10	10	·160	● n., and from 11.30 a.
12	·29	·34	49·9	50·2	45·4	61·3	0·5	0·7	·246	·346	97	96	W	1	SE	1	10	10	·020	● n. ● showers during day.
13	·37	·32	54·3	52·8	41·5	62·3	2·4	3·1	·354	·319	83	79	W	1	SW	1	5	10	·120	Cloudy.
14	·38	·56	52·5	46·9	42·9	57·7	3·0	3·3	·317	·247	80	78	W	1	W	2	5	0	—	/ 11a.–5p.
15	·62	·66	54·3	48·4	42·5	56·5	5·8	2·3	·276	·283	66	84	SW	1	SW	1	5	5	·130	● showers from noon. T
16	·63	·50	52·7	46·5	42·2	52·9	3·9	0·8	·298	·298	75	94	SW	1	SE	6	10	10	·640	● from noon.
17	·20	·43	54·6	49·6	45·9	61·6	1·5	2·3	·383	·298	90	84	SW	1	SW	1	10	10	·020	● n. ● showers during day.
18	·56	·63	54·8	48·0	43·7	58·4	3·6	0·9	·332	·312	77	94	SE	1	SE	2	5	10	·030	Dull day.
19	·66	·65	49·0	51·0	46·0	53·1	1·2	0·5	·317	·361	92	97	NE	1	SE	1	10	10	·020	● showers.
20	·55	·59	53·8	48·1	47·6	55·7	1·3	1·0	·378	·311	91	93	E	4	E	2	10	10	·110	● showers a. T 10a.
21	29·73	29·95	52·2	54·4	47·0	59·9	1·3	1·9	·355	·370	91	88	SE	2	SW	1	10	10	·010	● n. Dull day.
22	30·10	30·11	55·6	58·1	51·2	61·4	1·5	2·4	·399	·412	90	84	SE	1	W	1	10	10	—	Dull day.
23	·11	·10	67·4	51·6	49·0	69·3	5·7	2·2	·469	·325	70	85	SE	1	SE	1	0	0	—	Fine day.
24	30·11	30·03	61·4	46·4	46·2	65·1	3·7	0·4	·426	·306	79	97	SE	1	SE	1	0	10	—	Fine day. ≈2 from 7p.
25	29·97	29·98	49·4	44·8	42·9	56·1	1·5	2·3	·315	·246	90	83	SE	1	NE	2	10	7	—	Dull day. / 10a.–8p.
26	·92	·91	52·0	45·0	43·6	59·7	4·3	1·7	·281	·260	73	87	NE	6	NE	1	5	5	—	Squally / till 5p.
27	·89	·90	53·1	45·7	45·0	58·5	4·8	0·4	·283	·299	70	97	NE	1	SE	1	10	5	—	Cloudy day.
28	·90	·88	58·0	49·8	34·6	60·9	4·5	1·8	·355	·312	74	87	S	2	SE	1	5	10	—	Cloudy till 4p. Then dull.
29	·72	·63	54·4	44·9	44·6	57·8	3·9	0·4	·319	·289	75	97	W	4	E	1	10	10	·530	● from 10a.
30	·70	·84	48·6	40·4	40·2	51·5	6·4	2·4	·206	·203	60	81	N	6	NW	2	5	7	—	/ at times. ▲ ● showers.
31	29·90	29·86	48·9	50·1	37·5	54·6	6·5	3·3	·208	·281	59	78	NW	6	E	1	5	10	—	Cloudy. Dull from 4p.
Mean	29·669	29·678	52·3	47·7	43·3	57·5	2·8	1·4	·321	·300	82·4	90·4		2·1		1·7	7·4	8·5	2·170	

GLASGOW.—MAY 1890.

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	29·80	29·78	55·9	45·9	45·7	62·5	7·8	1·6	·255	·272	57	88	NE	1	NE	3	7	0	—	Fine and sunny.
2	·62	·62	49·4	47·6	40·9	60·3	3·1	1·9	·277	·284	79	87	NE	1	S	1	0	7	—	Dull and cloudy.
3	·62	·58	51·9	48·9	40·7	61·8	3·3	4·8	·303	·237	78	68	E	3	E	2	10	10	—	Dull and overcast.
4	·55	·54	52·7	49·7	43·7	60·5	5·1	1·8	·272	·311	69	88	NE	2	E	1	4	10	—	Sunny day.
5	·50	·48	53·6	49·7	47·5	60·7	3·6	1·6	·317	·316	76	89	E	2	E	3	4	10	—	Fine day.
6	·47	·46	48·9	48·9	46·9	58·5	1·0	1·3	·321	·313	93	91	NE	2	E	1	10	10	·105	T ●2
7	·47	·52	48·9	47·3	43·8	58·0	1·9	1·5	·298	·290	87	90	E	2	E	3	7	10	·240	
8	·57	·60	46·6	49·2	44·2	53·4	1·9	1·8	·273	·304	87	88	E	2	E	1	10	0	—	
9	·56	·44	54·4	49·2	47·9	56·4	4·3	1·7	·309	·307	73	88	E	1	E	1	10	10	·055	Overcast.
10	·30	·33	47·7	47·6	45·8	49·5	1·2	0·7	·302	·312	92	95	NE	3	NE	2	10	10	·072	Gloomy and overcast, with ● 0.
11	·38	·27	47·7	47·6	46·1	53·7	1·1	0·7	·304	·312	92	95	E	2	S	1	10	10	·738	Gloomy and overcast, with ● 2.
12	·30	·33	53·1	51·2	46·6	61·0	2·9	1·9	·327	·328	81	87	SW	1	W	1	10	10	·050	● 0 a. Dull and threatening
13	·38	·31	51·7	50·1	47·3	58·2	3·7	4·6	·292	·254	76	71	W	1	S	2	9	10	·090	● 0 a. Sunny day.
14	·40	·56	50·0	45·9	42·0	56·1	4·0	2·8	·265	·246	74	80	SW	3	SW	1	6	4	·022	Cloudy, with ● 0 showers.
15	·59	·64	50·6	47·8	42·0	57·3	6·1	2·4	·230	·275	63	84	S	3	SW	1	10	9	·095	Gloomy and overcast, with ● 0.
16	·59	·39	48·9	49·5	46·2	53·7	2·9	0·8	·276	·334	80	94	S	1	E	2	10	10	·768	● 2 early a.
17	·17	·41	55·0	48·3	48·1	57·9	3·1	4·1	·346	·244	80	72	S	1	S	1	6	3	—	Gloomy and overcast, with ● 0.
18	·48	·56	55·5	50·1	46·5	59·0	7·0	0·8	·266	·340	61	94	E	2	E	1	10	10	·275	Dull and cloudy.
19	·62	·61	49·9	52·8	48·1	58·8	1·2	1·3	·329	·364	92	92	NE	1	E	1	10	10	·040	● 0 a. Cloudy and squally.
20	·49	·51	51·3	52·4	48·3	61·0	0·6	2·2	·362	·335	96	85	E	1	NE	1	10	8	·017	Overcast. ● 0.
21	29·67	29·91	52·7	54·2	49·7	58·5	2·6	3·2	·329	·334	83	79	S	3	S	1	10	10	·005	Dull and overcast.
22	30·07	30·09	57·9	57·9	52·6	62·2	3·3	2·3	·384	·410	80	85	SW	1	NE	1	10	10	—	Sunny day.
23	·06	30·02	62·9	58·1	47·9	70·5	4·4	4·4	·430	·358	75	74	E	1	E	2	10	2	—	Fine day.
24	30·04	29·96	60·5	54·3	49·2	67·0	5·6	4·9	·361	·295	69	70	NE	2	NE	1	0	0	—	Sunny day.
25	29·89	·93	55·6	45·8	45·4	59·1	3·5	3·6	·345	·230	79	75	NE	2	E	2	4	0	—	Sunny day.
26	·90	·88	51·0	49·1	42·9	61·7	6·0	4·2	·236	·251	63	72	NE	2	E	2	5	3	—	Sunny day.
27	·88	·88	50·4	49·9	44·0	62·0	7·1	3·0	·210	·285	58	80	N	1	W	1	7	1	—	Fine and sunny. U.
28	·89	·90	58·3	47·7	42·4	62·5	7·5	4·4	·289	·232	59	71	W	1	W	2	0	8	—	Overcast, with ● 0.
29	·79	·60	52·6	48·5	45·7	54·0	3·7	0·4	·302	·331	76	97	W	3	W	1	10	10	·300	Sunny day.
30	·73	·86	47·1	43·7	41·9	51·1	6·1	6·0	·197	·171	61	60	NW	2	NW	1	6	8	—	Sunny day.
31	29·91	29·88	49·4	45·9	37·8	56·5	7·8	3·5	·189	·232	54	75	NW	1	W	1	4	10	—	
Mean	29·634	29·641	52·3	49·5	45·4	58·8	4·0	2·6	·297	·294	75·6	82·7		1·7		1·5	7·4	7·2	2·872	

WOLFELEE.—MAY 1890.

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.						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	29·39	29·35	52·5	48·0	33·0	64·0	3·9	3·4	·296	·255	75	77	SE	1	SE	1	—	—	—	Very fine a. Fine and blowy p.
2	·22	·21	45·0	47·0	29·0	63·0	2·9	1·4	·235	·289	79	90	SE	1	SE	1	—	—	—	Very fine a. Fine and blowy p.
3	·21	·14	50·0	51·0	42·4	66·0	1·4	1·4	·324	·338	90	92	W	1	SE	1	—	—	—	Very fine a. Fine and blowy p.
4	·11	·06	47·0	47·0	28·0	67·0	3·4	1·4	·245	·289	77	92	NE	1	NE	1	—	—	—	Very fine a. Fine and blowy p.
5	·02	·06	47·0	48·0	44·4	64·0	1·4	1·4	·289	·299	90	90	NE	1	NE	1	—	—	—	Dull a. Fine and blowy p.
6	·02	·07	50·0	49·0	43·4	56·0	2·4	2·4	·300	·289	84	83	NE	1	NE	1	—	—	—	Fine day.
7	·02	·04	51·5	49·0	42·4	62·0	2·9	1·4	·307	·312	81	90	NE	1	E	1	—	—	·510	Fine a. Distant T in afternoon. ● p.
8	·01	·04	45·0	47·0	40·4	63·0	0·9	1·4	·277	·289	93	90	NE	1	NE	1	—	—	—	Dull day.
9	29·09	29·01	48·0	46·0	43·4	50·5	0·9	1·4	·312	·278	94	90	NE	1	NE	1	—	—	·030	Dull day.
10	28·83	28·89	46·5	47·5	43·4	51·0	0·9	0·9	·295	·306	93	93	NE	1	NE	1	—	—	·020	Dull, with ●.
11	·91	·81	46·5	45·0	41·9	52·5	0·9	0·9	·295	·277	93	93	NE	1	NW	1	—	—	·330	Dull a. ● p.
12	·88	·90	52·0	47·0	42·4	52·5	1·4	1·4	·351	·289	90	90	W	1	SW	1	—	—	—	Dull a. Fine p.
13	·94	28·91	55·0	46·5	40·4	64·5	3·9	2·9	·327	·251	76	80	W	1	W	1	—	—	—	Fine a. Cold and blowy at night.
14	28·98	29·15	50·0	43·0	37·0	63·0	4·4	1·4	·257	·247	72	89	W	1	SW	1	—	—	·180	Blowy a. ● showers p.
15	29·18	29·24	50·0	46·0	39·8	63·0	3·4	1·4	·278	·278	78	90	W	1	SW	1	—	—	·050	● showers a. Fine p.
16	29·18	28·98	49·5	49·0	42·4	54·5	2·9	1·4	·283	·312	80	90	SW	1	SW	1	—	—	·500	● showers.
17	28·80	29·00	55·5	48·0	42·4	56·5	2·9	1·4	·360	·299	82	90	SW	1	SW	1	—	—	·020	● showers a. Fine p.
18	29·08	·14	52·5	50·0	37·0	59·0	2·9	0·9	·319	·337	81	94	SE	1	SE	1	—	—	—	Fine a.
19	·18	·20	51·0	51·5	45·4	61·5	1·4	0·9	·338	·357	90	93	N	1	NE	1	—	—	—	Fine p.
20	·01	·15	51·0	49·0	45·4	57·0	1·4	1·4	·338	·312	90	90	N	1	NW	1	—	—	—	Dull a. Fine p.
21	·28	·49	50·0	55·0	45·4	67·0	1·4	3·4	·324	·339	90	79	SW	1	SW	1	—	—	·080	● showers a. Fine p.
22	·62	·60	58·5	53·0	48·4	64·5	4·4	0·9	·303	·377	74	94	SW	1	SW	1	—	—	—	Fine day.
23	·62	·52	65·0	50·0	43·4	70·0	5·4	1·4	·435	·324	71	90	NE	1	NE	1	—	—	—	Fine and clear.
24	·59	·46	63·0	50·0	37·0	74·0	5·9	1·4	·390	·324	68	90	NE	1	NE	1	—	—	—	Fine and clear.
25	·44	·46	50·0	44·0	42·4	72·0	1·9	2·4	·312	·236	87	81	NE	1	NE	1	—	—	—	Fine and clear a. Cold and blowy p.
26	·40	·42	49·5	45·0	40·4	60·5	4·9	2·9	·242	·235	69	79	NE	1	NE	1	—	—	—	Dull and blowy a. Fine p.
27	·41	·44	47·0	42·5	32·0	54·8	4·9	2·9	·216	·213	68	78	E	1	E	1	—	—	—	Dull and cold a. Fine and clear p.
28	·44	·42	62·0	48·0	31·0	62·5	8·4	1·9	·314	·287	56	87	W	1	W	1	—	—	—	Fine and clear.
29	·36	·16	51·5	42·5	40·4	71·0	3·9	0·9	·285	·252	75	93	W	1	W	1	—	—	·310	Dull and blowy a. ● p.
30	·25	·39	44·0	40·0	39·0	54·2	1·9	2·4	·246	·200	85	81	NW	1	NW	1	—	—	·010	● showers a. Clear p.
31	29·43	29·42	48·0	42·0	29·0	50·0	6·4	2·4	·199	·218	60	82	NW	1	NW	1	—	—	—	Fine and clear.
Mean	29·191	29·198	51·1	47·3	39·9	61·0	3·1	1·7	·302	·287	80·4	87·6	—		—		—	—	2·040	

SCARBOROUGH.—MAY 1890.

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	29·88	29·80	48·3	45·2	43·3	52·2	1·5	0·7	·302	·285	90	95	E	1	E	1	10	0	—	Dull, then fine and bright.
2	·76	·71	44·8	45·3	36·8	56·2	0·8	2·0	·278	·257	94	85	E	1	SE	1	8	0	—	≈0 (mist) a. Fine and bright p.
3	·71	·61	52·4	45·7	41·1	53·9	3·3	3·4	·307	·232	79	76	E	1	SE	1	0	0	—	Fine, warm, and bright.
4	·57	·52	47·8	45·7	39·3	49·2	1·2	0·1	·303	·305	91	99	NE	1	NE	1	10	10	·010	Dull day. Sea ≈2
5	·46	·46	47·1	46·6	44·3	48·8	0·8	0·3	·304	·311	94	98	NE	1	N	1	10	10	·020	● in afternoon. ≈ p.
6	·54	·50	49·6	47·3	46·2	52·8	0·7	0·6	·338	·311	95	96	E	1	E	1	8	1	—	Brilliant day. ≈ in afternoon.
7	·50	·50	54·3	47·4	42·3	57·0	3·1	0·2	·338	·323	79	98	E	1	E	1	3	10	·300	Bright till 2p., then ●.
8	·54	·57	45·4	47·0	43·8	48·4	0·1	0·2	·302	·318	99	99	E	2	NE	3	10	10	·010	≈ a. Dull day.
9	·52	·43	47·0	45·7	45·3	49·2	0·1	0·2	·321	·303	99	99	N	1	NE	2	10	10	·400	Wet ≈2.
10	·27	·37	48·6	49·1	44·8	53·2	0·2	0·7	·338	·330	99	95	NE	3	SW	2	10	1	·770	≈ a. Brilliant p.
11	·23	·31	46·2	46·9	43·8	51·2	0·0	0·6	·313	·306	100	96	S	2	SW	3	10	2	·210	●2. Very fine evening.
12	·40	·40	56·6	49·5	42·8	60·2	1·7	1·8	·409	·307	88	88	SW	2	SW	1	3	4	—	Fine and bright.
13	·37	·41	52·8	49·6	47·8	58·0	1·8	3·3	·351	·275	87	78	NW	3	NW	2	9	4	—	Fine day.
14	·51	·71	53·6	48·4	43·5	59·6	1·0	2·9	·382	·270	93	81	SW	4	W	1	3	0	—	Brilliant day.
15	·77	·77	56·6	50·2	42·5	58·4	5·4	1·9	·313	·315	68	87	SW	4	SW	1	6	5	·120	Bright day. ● showers.
16	·75	·52	54·0	52·6	48·5	54·8	2·3	1·6	·353	·353	84	90	SW	3	SW	2	8	9	·190	● early a., then fair.
17	·35	·52	56·6	53·6	50·1	61·9	3·6	4·7	·356	·292	77	71	SW	6	S	3	1	1	·010	● early a., then very fine.
18	·60	·62	51·3	49·6	46·6	53·6	1·8	0·8	·331	·334	88	95	S	2	SE	1	10	10	·150	● a. and n. Fine midday.
19	·61	·59	50·9	49·0	47·8	56·2	0·3	0·2	·365	·355	98	99	NE	1	NE	1	10	10	·090	≈2 ●0
20	·52	29·68	54·9	51·6	48·3	61·0	1·8	2·4	·378	·321	89	83	SE	3	SW	3	5	1	—	Brilliant day.
21	29·86	30·02	59·4	55·6	46·3	64·4	5·3	3·9	·352	·335	70	76	SE	4	SW	2	3	1	—	Brilliant day.
22	30·15	·14	60·6	56·1	49·3	70·9	3·4	4·2	·421	·334	80	74	SE	3	S	1	2	0	—	Brilliant day.
23	·13	30·09	61·6	53·6	44·3	63·2	7·4	1·9	·333	·358	61	87	SE	3	NE	2	0	0	—	Brilliant day.
24	30·04	29·98	58·4	51·1	50·3	61·2	3·7	1·5	·379	·335	78	89	NE	4	NE	2	0	0	—	Brilliant day.
25	29·87	·84	52·1	47·1	45·8	55·2	2·4	2·4	·327	·267	83	83	NW	5	NE	5	0	5	·010	Bright day.
26	·81	·84	50·8	47·6	45·8	53·2	2·7	0·9	·303	·307	82	94	N	6	NE	5	5	8	—	≈0 (mist).
27	·83	·89	49·3	47·1	43·3	50·9	4·2	1·8	·253	·280	72	87	NE	5	NW	3	5	5	—	Fine day.
28	·99	·89	52·0	50·1	42·3	56·7	3·6	1·4	·296	·325	76	90	NE	4	NE	3	9	0	—	Fine day.
29	·85	·70	57·1	50·1	43·8	59·2	6·4	0·9	·297	·338	64	93	NW	5	SW	2	4	10	·310	Fine a. ● from 3p.
30	·69	·83	44·7	43·2	42·6	50·4	0·4	2·1	·286	·234	96	84	NW	3	NW	2	9	0	·010	Cold with ● showers a. [evening. Brilliant
31	29·92	29·93	48·6	46·4	38·4	52·2	4·5	2·4	·240	·259	70	83	NW	3	S	2	2	10	—	Brilliant a. Overcast and cold p.
Mean	29·677	29·682	52·0	48·9	44·6	55·9	2·4	1·7	·328	·306	84·6	88·6		2·8		2·0	5·9	4·4	2·610	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—MAY 1890.

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	29·81	29·76	51·2	50·1	45·8	58·8	2·0	1·3	·325	·328	86	91	E 4–5	ENE 3	6	2	—	Fine day. ☂ p.
2	·69	·70	48·8	47·0	44·7	54·0	1·1	0·8	·317	·303	92	94	SE 4	S 2	10	10	·032	☂ a. Dull day. ● showers in after-
3	·64	·58	49·0	50·0	44·0	56·0	2·0	1·5	·298	·322	86	90	ESE 2	E 2	8	6	·017	Fine day. [noon.
4	·54	·47	51·2	51·5	46·2	60·5	3·6	3·5	·288	·293	77	77	ESE 4	ENE 2–3	8	2	—	Fine day. ☂ p. [(mist) p.
5	·47	·47	56·3	50·3	47·1	57·8	4·0	0·0	·344	·365	76	100	ENE 5	E 2	1	10	·114	Squally 🌂 a. Fine day. ● ≋(mist)
6	·51	·44	53·8	51·0	46·0	57·3	2·3	4·0	·350	·276	84	74	SE 2	ENE 2	2	8	—	≋ 8a.—9a. Fine day. T < p.
7	·47	·50	53·0	49·0	47·2	59·0	3·0	1·4	·322	·312	80	90	ESE 3	ESE 1	3	10	·320	Fine day. ▲ ●2 ↖ p.
8	·50	·59	50·0	53·0	44·9	60·4	3·8	1·5	·345	·361	76	90	ESE 2	E 2	1	8	—	≋0(mist) a. Very fine day. ☂ p
9	·55	·41	54·6	51·0	47·5	59·8	4·0	2·3	·319	·316	75	84	ENE 5	NE 4–5	3	7	·052	Squally 🌂 a. Very fine day. ● at night.
10	·23	·32	49·4	52·0	46·4	52·3	1·4	2·2	·317	·330	90	85	NE 4	E 3	10	10	·067	● a. and n. Overcast.
11	·34	·36	57·0	51·6	48·6	59·7	4·2	1·4	·346	·345	74	90	NE 1–2	WSW 1	9	10	·027	● a. and p. Dull day.
12	·39	·40	53·2	49·2	44·5	57·6	1·7	0·7	·358	·332	89	96	SW 2	Calm 0	8	3	·092	Fine day. ☂ p.
13	·47	·42	52·8	48·7	46·5	56·0	3·5	0·7	·308	·326	77	95	WNW 4	SW 5	4	10	·064	● a. and p. Fine day.
14	·57	·69	50·8	46·3	42·7	53·8	4·0	1·6	·274	·276	74	89	WSW 6–7	NW 3	3	6	·052	Squally 🌂 a. ▲ ● p. ● showers n.
15	·69	·73	49·8	49·0	44·8	54·5	0·9	0·9	·335	·325	93	94	SSW 4–5	SSW 4	10	10	·187	🌂 a. Dull day. ● showers p.
16	·66	·45	48·4	51·2	45·8	51·2	0·6	0·6	·325	·361	96	96	SE 4	SSE 3	10	10	1·250	● all day.
17	·32	·45	51·8	50·0	47·0	53·8	1·9	2·0	·336	·309	86	86	W 4	SE 3–4	9	10	·142	●2a. Cloudy day. ● showers n.
18	·49	·56	50·0	48·0	47·2	55·8	1·5	1·0	·322	·309	90	93	SE 4	ESE 2	10	4	—	Cloudy day. ☂ p.
19	·62	·57	57·0	56·4	39·2	62·0	4·2	1·6	·346	·407	74	90	ESE 3	NNW 2	6	10	·270	Cloudy day. ● showers n.
20	·44	·48	54·0	50·8	50·0	57·4	0·8	1·6	·394	·330	94	88	E 4	SSE 5	10	10	·157	● a. Cloudy day. ● showers p.
21	29·81	29·96	54·5	52·5	48·5	57·0	1·7	1·3	·376	·359	89	91	SSW 5–6	S 3–4	8	10	·160	Squally 🌂 ● a. Dull day. ● from 3p.
22	30·06	30·12	55·7	50·0	50·0	60·0	2·3	1·2	·378	·329	85	92	ESE 3	Calm 0	9	3	—	Dull day. ☂ p.
23	30·09	30·02	59·8	57·0	48·6	64·8	6·0	4·4	·341	·341	66	73	ESE 4–5	E 3	1	3	—	🌂≋9(mist) a. Fine day. ☂ p.
24	29·99	29·92	64·3	59·8	52·5	68·7	7·3	4·8	·373	·371	62	72	E 5–6	E 3	0	2	—	Squally a. Very fine day.
25	·86	·88	63·0	50·8	50·0	67·8	7·8	3·3	·342	·290	60	78	E 3	E 4–5	2	10	—	Very fine day. Squally 🌂 p.
26	·90	·89	51·2	48·2	46·0	58·6	4·5	3·4	·268	·257	71	77	ENE 5	NE 5	4	2	—	Very fine day. Squally 🌂 p.
27	29·93	29·98	50·3	46·2	41·5	54·3	6·0	2·2	·229	·263	64	85	ESE 3	NNW 3	7	6	—	Very fine day.
28	30·00	30·01	60·1	48·8	42·6	62·0	5·8	3·4	·351	·265	68	76	N 5	NNW 3	0	7	—	Squally 🌂 a. Very fine day.
29	29·96	29·68	54·0	53·0	45·2	55·0	4·7	0·4	·295	·391	71	97	W 4	NW 5	8	10	·370	Dull day. ● from 3p.
30	29·85	30·00	51·8	48·0	43·4	54·5	3·8	2·8	·289	·237	75	79	NNW 6–7	NNW 5	3	7	·022	Squally 🌂 a. and p. ● showers p.
31	30·02	30·00	51·2	48·0	40·5	57·2	3·6	1·5	·288	·264	77	89	NW 5	NW 2	7	6	—	🌂 a. Fine day.
Mean	29·674	29·671	53·7	50·4	46·0	58·0	3·4	1·9	·326	·319	79·3	87·1		4·0		2·9	5·8	7·2	3·395	

STONYHURST.—MAY 1890.

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	29·60	29·56	51·3	49·1	40·6	61·0	3·1	4·6	·301	·244	79	70	NE 2	NNE 2	0	0	—	Clear, with ∞0 a.
2	·48	·49	52·7	48·0	39·0	60·5	5·3	1·1	·268	·307	67	92	NNE 1	NNW 1	1	10	·078	● showers p.
3	·43	·38	55·3	52·5	45·2	62·2	4·2	4·1	·325	·291	74	73	SE 2	SSW 1	0	2	—	Cloudy, with ∞.
4	·32	·25	56·9	50·7	41·9	64·2	7·2	1·9	·279	·322	61	88	ENE 1	NE 1	2	0	—	Clear and sunny.
5	·21	·24	51·4	49·5	47·4	57·6	2·2	0·6	·323	·338	85	95	ENE 2	E 1	8	10	·138	Overcast. ● p.
6	·28	·23	55·9	49·0	45·9	60·2	3·2	2·2	·358	·294	80	85	NE 1	NNE 1	7	6	·039	Overcast, with ↖ ● p.
7	·24	·26	57·5	48·6	43·8	60·7	6·7	2·1	·296	·292	62	86	SE 1	ESE 1	9	4	—	Cloudy and gloomy, with ∞ a. Over-
8	·30	·36	52·3	49·0	43·8	58·7	3·0	1·8	·315	·303	80	87	ENE 2	NE 2	8	10	—	[cast p.
9	·30	·13	52·3	48·5	44·9	57·1	3·0	2·0	·315	·292	80	86	ENE 2	NEbyE 3	10	10	—	Overcast and cloudy.
10	·01	·11	49·3	50·4	45·4	55·7	1·3	2·0	·318	·315	91	87	E 2	E 1	10	10	·060	Overcast and threatening. ● p.
11	·07	·14	52·6	46·6	45·8	53·6	3·1	1·0	·317	·294	79	93	NNE 1	WSW 1	10	7	·500	Overcast, with ●.
12	·18	·17	56·4	52·5	42·2	61·7	4·7	4·0	·328	·294	72	74	WSW 1	NWb.W 1	0	10	—	Clear, then cloudy. T in afternoon.
13	·21	·22	52·7	45·4	42·2	61·6	3·2	2·1	·315	·256	79	85	WNW 1	WSW 1	9	4	·057	
14	·35	·50	49·6	47·0	43·7	55·9	3·6	2·0	·269	·275	76	86	WSW 4	WSW 1	9	7	·037	
15	·52	·56	49·2	47·7	43·0	56·0	1·8	1·7	·306	·289	88	88	SSW 5	Calm 0	10	6	·350	Overcast, with ●.
16	·49	·24	49·1	53·5	46·1	54·6	1·7	0·9	·307	·384	88	93	S 3	S 1	10	10	·425	Overcast, with ●0.
17	·11	·26	54·0	50·4	47·6	57·1	3·4	1·5	·324	·328	78	90	SSW 5	SSW 1	8	10	·023	Overcast, with ●.
18	·28	·35	57·2	54·0	47·0	59·1	5·9	3·5	·309	·322	66	77	ESE 3	ESE 1	8	10	—	Overcast p.
19	·37	·32	59·5	55·0	48·7	65·1	4·3	1·9	·379	·378	74	87	NE 1	NE 2	6	10	·044	Sunny a. Overcast p.
20	·22	·37	57·4	50·6	50·1	61·0	2·4	3·4	·400	·285	85	77	E 2	E 5	9	10	·013	Cloudy a. Overcast and threatening p.
21	·62	·78	56·0	54·5	49·9	62·1	7·0	3·5	·274	·329	60	77	SSW 5	SSW 1	8	10	—	
22	·89	·88	61·5	60·0	51·0	68·6	7·5	4·6	·328	·379	60	73	SW 2	SW 1	6	6	—	Sunny a. and p.
23	·88	·82	62·3	57·5	50·1	69·5	12·1	6·0	·246	·312	44	66	E 2	E 2	0	0	—	∞ a. Clear and sunny.
24	·76	·70	64·5	57·0	48·8	71·0	6·9	4·6	·387	·337	63	72	NE 3	NE 2	1	0	—	Sunny day.
25	·62	·65	62·3	48·1	47·0	66·7	7·9	4·5	·330	·234	59	70	NE 2	NE 3	0	0	—	Clear and sunny.
26	·63	·64	50·1	47·4	40·0	59·6	5·6	4·1	·235	·235	65	73	NE 2	NE 1	9	0	—	Sunny a.
27	·65	·71	52·1	45·2	37·1	56·3	7·7	3·2	·216	·231	56	77	NE 1	Calm 0	7	0	—	Cloudy a. Sunny p.
28	·74	·75	54·6	47·6	37·2	60·5	4·6	2·6	·305	·269	72	82	WSW 1	WSW 1	4	2	—	Cloudy, with ∞0 a. Clear p.
29	·70	·46	54·0	50·2	45·3	56·1	5·9	0·7	·269	·346	65	96	W 3	W 2	6	10	·797	Overcast. ● p.
30	·52	·68	51·4	43·8	42·9	53·5	6·2	5·4	·236	·180	62	62	WNW 5	WNW 2	2	2	—	Squally 🌂 a.
31	29·73	29·74	49·5	45·6	39·2	54·4	7·0	3·7	·204	·227	58	74	WNW 2	WNW 1	2	0	—	
Mean	29·443	29·449	54·5	50·2	44·6	60·1	4·9	2·8	·303	·296	71·2	81·3		2·3		1·3	5·8	5·7	2·561	

HILLINGTON.—MAY 1890.

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.

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	29·87	29·83	57·8	44·8	42·0	62·6	6·0	1·7	·316	·258	66	87	E 4	ENE 3	5	2	—	Fine and sunny. Cir. all day. ☂ 9p.
2	·84	·83	52·5	44·7	38·2	63·5	3·8	3·1	·298	·229	75	77	SE 1	SE 1	5	0	—	≋ early a. Much cir. a. Fine and
3	·78	·71	58·3	46·9	34·1	69·6	9·3	4·1	·253	·231	52	73	S 0·5	SW 0·5	0	0	—	Fine and sunny. Cir. 5p. [sunny p.
4	·61	·52	61·7	44·2	37·0	69·4	3·8	0·8	·427	·272	78	94	SW 0·5	NE 2	0	0	·027	Fine and sunny. ☂ 9p.
5	·48	·56	47·0	46·3	39·2	55·2	0·3	0·4	·316	·304	98	96	NE 3	SW 0·5	10	1	·008	Exceedingly damp.
6	·61	·57	59·1	51·1	40·5	65·8	6·4	4·2	·323	·272	65	73	SSE 2	S 1	6	3	—	Fine and sunny. ≺ 9p.
7	·54	·52	62·1	48·7	44·1	62·6	7·3	0·2	·342	·339	61	99	ESE 1	ESE 1	7	10	·450	●2 10,30a.—11.50a. ●2 ≺ T 4p.
8	·54	·60	53·1	47·0	45·3	55·4	3·3	0·6	·317	·307	78	96	E 3	NE 2	10	10	—	≋0 6p.
9	·52	·33	46·9	48·0	45·6	50·3	1·0	0·3	·297	·328	93	98	NE 5	ESE 4	10	10	·320	9p.
10	·36	·42	53·0	48·4	47·4	61·3	2·3	0·8	·340	·319	84	94	SW 1	SE 1	10	6	·662	≋ 4p. ● 6p.—8.15p.
11	·22	·48	53·8	51·6	48·0	58·3	1·0	1·9	·385	·333	93	87	SW 1	WSW 1	10	8	·080	●2 11a.—8a. and 9a.—11a. ☂ 9p.
12	·51	·44	53·5	48·8	42·4	64·5	2·0	1·8	·355	·299	87	87	WSW 1	SE 0·5	10	1	—	Much cir. p. Frequent ≺ 10p.
13	·43	·56	57·5	50·2	43·1	64·0	3·8	1·5	·365	·324	77	90	NW 3	N 1	4	0	—	
14	·68	·91	54·5	49·1	42·3	61·2	6·2	4·3	·270	·249	64	72	WNW 3	W 1	7	8	—	
15	·95	·93	56·1	49·9	38·4	60·0	6·4	2·7	·285	·293	64	82	SW 3	SW 2	6	1	·004	a. Fine and sunny. ☂2 p.
16	·85	·71	56·3	58·5	42·7	69·3	5·4	0·9	·308	·462	69	94	SE 2	S 1	9	8	—	☂2 9p.
17	·55	·65	56·5	45·3	45·3	63·2	4·4	1·9	·335	·259	73	86	SW 3	SE 1	7	1	·076	☂2 9p.
18	·65	·66	54·4	56·9	42·3	63·4	1·5	1·3	·379	·424	90	92	SE 0·5	SE 0·5	10	10	·012	●2 early a. Much cir. p. ☂2 9p.
19	·65	·57	65·4	57·0	52·3	71·5	5·2	1·6	·447	·416	72	89	SE 1	SSE 2	5	3	·040	Fine and sunny. ↖ p. ☂ 9p. ●2
20	29·62	29·90	57·3	51·9	51·5	62·4	4·6	2·6	·340	·319	73	83	S 4	S 0·5	9	0	—	9p. [shower 10p.
21	30·01	30·13	59·3	50·1	46·1	65·4	6·7	1·5	·319	·323	63	89	SW 4	S 1	4	1	—	Fine and sunny. ☂ 9p.
22	·22	·19	63·0	50·1	40·2	71·5	7·5	3·2	·349	·283	61	78	SE 1	E 0·5	0	0	—	Very fine. Dep. of Wet. 12.3, 6p. ☂ 9p.
23	·17	30·09	63·2	51·1	42·1	68·4	7·5	1·8	·352	·329	61	87	E 4	E 2	0	0	—	Very fine. Dep. of Wet. 10.6, 1p. ☂ 9p.
24	30·01	29·95	67·8	53·5	47·1	74·1	6·0	2·8	·467	·334	69	81	NE 4	NE 4	3	0	—	Very fine. Dep. of Wet. 10.6, 3p.
25	29·87	·87	62·5	50·0	48·4	67·4	4·9	2·5	·409	·298	72	83	NE 5	NE 2	0	10	·003	Very fine and sunny till 3p.
26	·85	·87	51·5	45·6	45·0	58·9	3·4	0·9	·296	·285	78	94	NE 3	NE 1	9	1	—	☂ 9p.
27	29·89	29·95	53·1	45·9	40·2	59·4	5·1	1·3	·276	·279	68	92	NW 1	NE 2	7	8	·015	Fine and sunny p. ☂ 9p.
28	30·01	30·01	52·0	46·0	44·6	61·4	3·9	1·3	·289	·280	75	91	N 3	NW 0·5	10	0	—	Cloudy and overcast a. Sunny p. ☂ 9p.
29	29·98	29·84	53·1	53·1	43·3	61·7	5·9	3·3	·260	·317	64	78	NW 4	SW 2	10	10	·108	
30	29·76	·29·95	56·3	41·9	41·9	61·4	4·4	0·6	·331	·253	73	95	W 4	N 2	7	4	·012	
31	30·02	30·01	51·5	47·6	32·6	61·3	7·7	3·8	·212	·243	55	74	NW 2	N 1	6	10	—	L2 a. Very fine and sunny.
Mean	29·743	29·759	56·5	49·2	43·0	63·4	4·7	1·9	·331	·305	72·6	86·8		2·5		1·4	6·3	4·1	1·817	

CHURCHSTOKE.—MAY 1890.

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	29·33	29·31	54·9	49·3	33·2	63·3	5·9	3·4	·280	·270	65	76	NW 1	SE 2	4	0	—	Bright and warm.
2	·29	·30	52·0	47·7	41·8	65·1	4·0	1·0	·287	·306	74	93	ESE 2	SE 1	8	8	·640	Cold wind. ● 4p. ↖ 6.40p.
3	·24	·18	55·9	49·4	43·8	60·3	5·4	2·5	·304	·290	68	83	SE 3	SE 2	8	9	·022	Bright, breezy, and fresh. Haze on
4	29·11	·00	48·9	54·1	46·5	58·6	1·1	4·1	·318	·311	93	74	E 1	E 2	9	10	—	Dull day. [hills.
5	28·98	·05	49·9	41·4	40·0	55·1	2·6	0·3	·295	·254	83	98	E 2	SE 2	9	5	·140	
6	29·08	·02	56·7	45·8	38·0	60·3	5·2	0·7	·319	·292	70	95	SE 2	SW 1	6	5	·150	
7	·03	·07	54·9	45·8	41·2	61·3	4·7	0·3	·307	·302	71	98	SE 3	W 2	8	4	·520	
8	·07	29·13	54·5	49·9	41·0	60·1	4·5	0·9	·307	·335	72	94	NNW 3	SE 2	8	10	·050	
9	29·05	28·88	47·9	49·7	44·0	54·9	2·6	0·9	·285	·333	86	94	NW 2	SW 1	8	10	·230	Cloudy and cool.
10	28·79	·90	49·1	49·9	44·8	55·1	1·3	1·9	·316	·309	91	87	SE 2	SE 1	10	10	·070	Gloomy day, with ●.
11	28·90	28·99	56·7	45·6	44·5	60·6	5·2	0·7	·319	·289	69	95	NE 1	W 1	9	5	·070	● showers. Distant T.
12	29·00	29·01	57·8	44·8	37·0	61·1	5·8	0·9	·321	·276	67	93	NE 1	W 2	6	4	·112	Bright day, with ● showers.
13	·05	·08	55·9	48·1	41·9	59·1	6·9	2·2	·272	·283	60	84	SE 3	SE 3	8	8	—	Threatening p.
14	·22	·37	50·9	45·8	40·2	57·1	5·4	2·9	·240	·243	66	80	WSW 2	W 2	6	4	·100	Breezy.
15	·37	29·41	52·9	47·9	44·0	56·1	3·9	1·0	·301	·308	75	93	WSW 4	W 2	9	10	·082	Squally.
16	·24	28·99	49·1	54·1	46·0	56·1	0·9	1·1	·325	·386	93	92	SE 2	SE 2	10	10	·160	Cold, with ●0.
17	·03	29·06	53·9	47·1	46·5	60·1	7·0	3·2	·247	·250	60	77	SE 2	SE 2	6	6	·070	Bright day, with ● showers.
18	·07	·16	51·9	47·3	45·0	61·1	3·9	4·2	·288	·232	75	72	SSE 2	SE 2	9	5	—	
19	29·18	·08	55·9	53·5	41·0	59·1	2·3	0·5	·379	·396	86	96	SE 2	SW 1	9	10	·590	Cloudy day. ●2 in evening.
20	28·98	·17	50·4	47·9	47·0	54·9	2·4	1·0	·305	·308	84	93	SE 4	SSE 2	10	10	·085	Cold wind, with steady ●.
21	29·44	·61	50·5	53·3	46·7	59·0	0·3	2·3	·360	·344	97	84	SSE 2	ESE 1	8	8	—	Fine and pleasant. Cool wind p.
22	·69	·67	63·0	51·7	48·0	67·9	6·6	1·9	·371	·334	65	88	SSE 2	SE 1	3	0	—	Fine and bright.
23	·63	·57	61·4	55·7	44·4	68·9	6·6	4·5	·349	·322	64	72	SE 2	SE 3	0	0	—	Fine and bright.
24	·48	·45	64·0	55·4	44·0	72·1	8·0	3·4	·353	·345	59	79	ESE 3	SE 1	0	0	—	Breezy. Haze on hills.
25	·37	·40	63·0	49·9	45·0	70·3	7·0	3·0	·361	·285	63	80	ESE 3	ESE 3	9	9	—	∞
26	·40	·41	49·9	48·9	39·0	57·3	4·5	4·0	·254	·253	70	73	ENE 3	ESE 1	8	5	—	Cold wind.
27	·43	·52	49·8	46·0	36·2	55·9	4·4	3·1	·255	·241	71	78	NNE 2	NE 2	8	0	—	Bright, with cold wind.
28	·54	·59	56·9	44·8	34·0	63·7	4·9	2·4	·329	·243	70	82	NE 1	NE 1	8	0	—	Bright day. Haze on hills.
29	·55	·35	54·9	53·9	40·6	59·5	3·5	2·7	·335	·342	77	82	N 2	SW 4	8	10	·230	Cloudy day. 🌂
30	·39	·58	50·9	36·9	34·0	55·6	2·1	2·0	·318	·182	87	84	NW 2	NW 1	8	4	—	
31	29·59	29·56	48·9	39·8	34·1	55·2	6·0	1·7	·215	·211	62	87	N 2	NNW 1	9	8	—	Cloudy and cool.
Mean	29·243	29·254	54·0	48·4	41·7	60·2	4·3	2·1	·307	·293	74·0	85·7		2·2		1·7	7·4	6·0	3·361	

CARMARTHEN.—MAY 1890.

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	29·64	29·63	63·6	55·5	39·3	67·7	11·2	7·1	·277	·263	48	60	E 2	E 2	2	8	—	Fine and warm.
2	·64	·67	60·8	44·4	43·9	63·1	7·6	1·7	·318	·254	60	88	SW 1	W 1	4	6	·050	▽ 9p.
3	·58	·48	53·7	49·7	39·0	55·1	6·5	1·1	·259	·327	62	92	SE 2	S 2	9	10	·170	● showers.
4	·41	·30	54·0	55·7	48·7	58·2	2·8	6·1	·340	·287	81	64	SE 2	E 2	10	10	·010	Dull, with ●0
5	·27	·37	50·9	49·2	48·7	56·4	3·7	1·5	·281	·311	76	90	E 2	Calm 0	10	4	·170	Dull, with frequent ● showers.
6	·38	·32	59·8	50·9	43·2	61·7	6·4	3·5	·333	·286	65	77	SE 1	S 2	5	9	—	Frequent T all day.
7	·36	·38	56·8	47·4	47·0	61·6	6·4	2·3	·294	·273	64	84	S 5	Calm 0	8	0	—	Fine day.
8	·41	·42	60·0	54·3	43·4	68·8	6·6	3·9	·331	·318	64	75	NE 1	NE 2	0	8	·100	K 4p.—5p. Man and two horses killed while ploughing 4 miles from here.
9	·40	·24	52·7	51·7	48·7	57·7	4·0	1·7	·295	·339	74	88	E 2	Calm 0	10	10	·430	● from 6p.
10	·13	·21	49·0	49·0	47·4	56·0	0·8	1·2	·327	·317	94	92	SE 2	Calm 0	10	0	—	Dull day.
11	·27	·34	60·8	50·4	47·0	64·2	4·8	1·2	·899	·334	76	91	S 1	Calm 0	6	4	—	Fine day. T noon.
12	·38	·38	59·4	50·7	43·0	65·0	6·0	2·1	·336	·316	66	86	W 2	W 1	4	4	—	Fine day.
13	·47	·44	57·8	50·2	47·1	59·2	7·9	0·5	·275	·351	58	97	NW 2	SW 2	6	10	·050	● from 8p.
14	·64	·76	55·5	47·1	39·5	57·0	7·1	1·6	·263	·285	60	88	W 3	SW 2	8	1	·280	● showers.
15	·77	·75	50·7	50·5	46·5	52·8	2·3	1·1	·311	·339	85	92	SW 4	SW 2	10	10	·170	● showers.
16	·56	·32	49·9	54·4	47·1	55·1	0·9	0·3	·336	·415	94	98	SE 4	S 1	10	10	1·200	Overcast, with ● all day.
17	·40	·35	54·7	50·2	46·1	57·5	4·8	3·4	·303	·279	71	78	SW 3	SW 7	6	10	·190	
18	·40	·47	58·8	49·5	47·2	62·2	7·4	1·9	·297	·305	60	88	SE 4	SE 1	8	7	·020	● showers. ⌒ 8p.
19	·52	·38	57·3	53·7	45·0	64·0	4·6	12·2	·342	·162	73	40	S 1	SE 4	10	10	·300	Dull, with ●0 showers.
20	·27	·47	53·2	50·7	48·0	57·3	3·8	1·8	·306	·324	75	88	E 3	SE 5	10	10	·180	Stormy day.
21	29·79	29·95	56·5	52·7	48·2	57·1	5·2	2·5	·316	·331	69	83	SE 1	S 2	8	10	·260	Dull, with ●
22	30·04	30·03	64·8	59·3	52·4	69·6	8·0	5·5	·304	·345	59	69	SE 1	NE 1	7	1	—	Very fine day.
23	29·97	29·88	61·6	62·6	57·3	74·2	5·7	8·2	·374	·328	69	58	E 1	E 1	0	0	—	Very fine day.
24	·80	·75	67·4	66·3	54·4	76·4	10·7	8·5	·336	·373	50	58	E 4	E 1	2	0	—	Very fine day.
25	·66	·66	66·9	68·7	55·9	77·2	13·0	6·9	·283	·400	43	68	E 1	E 1	3	10	—	Distant T
26	·75	·76	58·3	51·5	46·5	64·2	8·5	5·2	·269	·256	55	68	E 1	NE 5	1	2	—	Fine day.
27	·81	·87	54·9	49·2	43·0	61·2	6·5	3·7	·268	·261	62	75	NE 1	NE 5	9	0	—	Fine day.
28	·96	·99	59·8	55·2	40·0	63·2	4·4	8·3	·381	·237	74	55	NW 1	Calm 0	0	0	—	Very fine day.
29	·98	·85	55·2	53·7	39·5	59·5	5·8	2·3	·286	·349	66	85	NW 2	SW 3	9	10	·070	Dull day.
30	29·81	·87	55·2	47·2	46·2	59·5	3·4	3·7	·342	·240	79	75	N 1	N 2	9	6	—	
31	30·00	29·97	54·3	47·8	32·6	59·2	7·8	4·3	·236	·236	56	71	NW 2	N 1	6	0	—	Fine day.
Mean	29·595	29·589	57·2	52·4	45·9	62·0	5·9	3·7	·312	·305	67·4	78·1		2·0		1·9	6·5	5·8	3·650	

MARGATE.—MAY 1890.

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	29·82	29·77	51·1	47·0	46·3	56·0	2·4	0·8	·313	·303	83	94	SE 2	E 3	2	6	—	Fine day. ▽
2	·88	·82	45·0	45·1	43·1	51·8	0·4	1·1	·289	·274	97	91	E 2	E 1	10	0	—	Very fine day.
3	·80	·74	54·1	45·2	37·0	59·2	5·4	0·1	·281	·299	68	99	E 1	E 1	0	10	·010	Very fine day. ≋ 9p.
4	·62	·49	57·1	52·1	41·1	60·1	6·8	4·3	·289	·281	62	72	SE 2	E 3	0	10	·040	Very fine day.
5	·45	·60	51·5	49·0	47·1	58·3	0·5	1·8	·366	·302	96	87	S 3	E 1	10	2	—	Fine day. Pretty sunset.
6	·58	·59	55·7	52·5	43·7	59·0	5·7	2·5	·295	·329	66	83	E 1	E 2	4	10	·010	Fine day. ● 8.30p.
7	·54	·52	54·9	51·3	49·0	54·9	3·0	1·2	·348	·346	80	92	E 1	N 1	10	4	·090	
8	·47	·55	51·1	45·2	44·7	51·8	0·9	0·2	·352	·297	93	99	N 1	E 3	10	10	·030	Dull day.
9	·43	·35	47·0	48·0	44·0	51·0	0·1	0·2	·321	·330	99	99	N 2	SW 3	10	10	·230	≋ a. ●2.
10	·42	·40	50·9	49·9	45·8	60·9	0·7	0·9	·355	·335	96	94	S 2	E 2	10	10	·200	Dull a. Fine p. Very pretty sunset.
11	·31	·53	51·4	48·6	48·1	62·4	1·0	0·8	·353	·322	93	95	W 4	SE 1	10	1	—	Very fine day.
12	·48	·41	54·3	52·4	47·4	56·8	2·5	2·3	·352	·333	83	85	S 2	N 2	7	10	·020	Fine day.
13	·42	·56	54·9	54·1	50·1	62·2	2·7	3·1	·356	·335	82	79	NW 3	W 1	0	0	—	Fine day. Pretty sunset.
14	29·71	29·94	54·1	50·3	45·1	61·5	2·3	2·1	·355	·311	84	85	SW 3	SW 2	9	0	—	Very fine day.
15	30·04	30·00	54·1	47·6	42·1	58·7	5·1	1·2	·288	·301	69	92	SW 2	SW 2	7	0	—	Fine and bright. D p.
16	29·88	29·69	58·7	54·8	45·1	67·1	4·4	4·5	·365	·309	74	73	S 2	E 1	1	9	—	Fine and warm.
17	·64	·70	64·0	51·1	50·1	60·9	4·0	1·8	·382	·329	74	87	SW 2	Calm 0	9	9	·010	Bright day.
18	·66	·68	57·2	52·5	50·5	62·2	1·4	2·5	·425	·329	91	83	S 1	SW 1	10	9	·020	●0 a. Fine p.
19	·63	·54	55·9	57·9	49·1	61·9	1·1	1·0	·415	·449	94	94	SE 1	SE 1	10	6	·440	≋ a. K2 8p.—10p.
20	29·68	29·88	53·1	50·5	50·3	63·0	3·3	1·3	·343	·334	79	90	S 3	SE 1	9	0	—	Very fine day. Pretty sunset.
21	30·06	30·18	58·8	50·7	45·8	65·0	4·8	3·4	·357	·286	72	78	SE 2	Calm 0	7	0	—	Very fine day.
22	·24	·19	59·1	52·4	46·1	60·9	3·4	2·2	·397	·335	79	85	SE 1	E 2	0	0	—	Fine day. Pretty sunset.
23	30·12	30·02	56·0	54·4	51·1	58·6	2·3	1·7	·381	·374	85	89	E 2	E 3	2	0	—	Very pretty clouds.
24	29·96	29·87	59·8	56·0	52·1	62·0	2·5	3·0	·434	·364	85	84	E 2	E 3	0	3	—	Very fine day.
25	·80	·82	59·0	50·1	49·1	64·0	2·8	1·3	·413	·328	83	91	E 2	NE 3	1	10	—	Cold wind.
26	·82	·85	52·1	50·1	48·0	53·8	5·8	3·1	·251	·286	65	79	NE 3	NE 3	8	0	—	Very fine day.
27	·88	29·92	52·1	49·4	47·1	55·3	4·7	3·7	·273	·264	70	75	NE 2	NE 2	8	6	—	Fine day.
28	29·97	30·06	50·6	47·2	47·0	56·1	3·2	1·2	·289	·296	78	92	N 2	Calm 0	10	0	—	Very fine day.
29	30·03	29·93	56·0	54·0	43·6	61·4	4·7	3·5	·321	·324	72	77	N 1	W 1	8	6	·050	Very fine day.
30	29·83	29·95	52·4	52·9	49·2	61·2	1·7	7·1	·348	·235	89	59	NW 3	NW 3	8	2	—	Fine day.
31	30·05	30·07	50·6	46·0	43·6	56·0	6·6	3·0	·222	·243	60	79	NW 4	E 1	0	0	—	Very fine, but cool.
Mean	29·748	29·762	54·0	50·6	46·6	59·2	3·1	2·2	·337	·316	80·7	85·7		2·1		1·7	6·1	4·6	1·150	

SOUTHAMPTON.—MAY 1890.

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	29·77	29·77	63·7	52·7	45·1	68·7	8·1	3·9	·345	·298	58	75	E 3	NE 1·5	1	1	—	Beautiful day.
2	·81	·82	59·2	50·6	43·4	63·1	5·7	1·9	·340	·321	68	87	SE 1·5	SSW 1·5	2	10	—	a. and p. Beautiful day. Large
3	·80	·71	48·7	50·2	44·5	62·1	1·1	2·4	·317	·302	92	84	SSW 0·5	SE 2	10	7	—	a. Beautiful day. [D n.
4	·58	·45	59·4	57·7	48·2	65·4	4·6	5·0	·371	·338	73	71	SE 1	ESE 2	9	9	·139	0a.
5	·46	·56	49·9	49·6	49·1	59·8	0·9	1·5	·335	·317	94	90	SSW 2	SE 1·5	10	1	—	Beautiful day from 10a. D n.
6	·58	·56	53·8	50·8	44·9	59·1	3·5	1·9	·325	·324	78	87	SE 2	SE 1·5	5	1	—	Beautiful day.
7	·54	·52	57·4	49·7	47·9	63·6	3·6	1·8	·368	·312	78	88	SE 1·5	SE 0·5	3	0	—	a. and p. Beautiful day.
8	·52	·53	60·0	54·7	42·1	65·6	5·3	1·8	·362	·377	70	88	NE 2	NNE 2	5	10	—	a. Beautiful day.
9	·49	·37	51·8	50·0	47·9	55·7	2·8	0·4	·313	·350	81	97	NE 2·5	NW 1	10	10	·687	●0 from 10.30a.—9.30p.
10	·37	·38	51·5	52·4	47·7	59·2	1·3	2·3	·346	·333	90	85	SW 3	SE 1	10	10	·023	Beautiful day.
11	·41	·51	56·9	53·7	49·1	64·4	2·8	1·5	·381	·370	83	89	WSW 1	SE 1	5	9	·027	Beautiful day. D p.
12	·49	·46	60·6	57·2	47·3	69·6	3·7	3·6	·413	·365	79	78	WSW 1	NW 2	7	9	—	Beautifully fine and warm.
13	·52	·66	62·6	50·7	49·0	66·4	6·6	3·7	·365	·279	65	76	NW 2·5	W 1·5	5	5	·030	0a. Beautiful day.
14	29·81	29·98	59·2	50·1	48·8	63·9	7·3	2·3	·304	·303	60	84	WNW 3	SW 1·5	5	0	·008	Beautiful day.
15	30·04	30·00	55·0	50·1	46·1	59·8	3·4	2·0	·339	·311	79	86	SW 3	SW 1·5	10	1	—	Beautiful day. D p.
16	29·83	29·62	59·8	54·2	47·7	65·6	6·7	0·8	·325	·397	64	95	S 3	SE 2	2	10	·362	Beautiful day til 4p., then ● . ●2
17	·62	·64	54·6	50·9	50·4	58·6	4·7	2·8	·303	·303	72	82	SW 2	SE 2	7	10	—	[11p. Beautiful day.
18	·63	·66	56·9	52·3	49·5	59·5	3·9	1·4	·352	·354	76	90	SSW 3	E 1	10	5	·004	
19	·65	·50	57·4	56·8	48·7	58·6	2·4	0·7	·400	·441	85	95	E 0·5	NE 0·5	10	10	·405	● 8a.—4p. < 10p. ●2 10.30 p.
20	29·51	29·83	51·6	51·2	49·2	57·6	2·3	2·1	·323	·323	84	86	SE 5·5	SW 3	10	10	·040	
21	30·05	30·17	58·2	52·2	49·2	64·2	5·4	2·5	·335	·326	69	83	S 2	SE 2	5	2	—	Fine and dry, with ≠ .
22	·22	30·16	63·9	55·5	47·0	68·0	8·0	1·8	·351	·390	59	88	S 1	SSW 0·5	0	0	—	Beautiful day. 0p.
23	30·09	29·99	68·0	59·7	47·4	74·5	9·8	5·0	·367	·363	53	71	ENE 2	NE 2·5	0	0	—	Beautiful day. D p. n.
24	29·90	·84	70·8	64·8	51·8	80·4	8·7	5·0	·441	·445	58	73	NE 2	NE 3	0	0	—	Beautifully fine and warm.
25	·77	·80	74·2	61·3	55·3	81·1	8·6	5·0	·507	·388	59	72	E 1	E 1·5	0	10	—	[breeze. Very warm all day, with pleasant
26	·85	·87	57·2	52·7	49·2	64·7	6·4	2·8	·298	·325	63	81	NE 2·5	NW 1	7	9	—	D a. Beautifully fine and very
27	29·89	29·94	56·6	49·8	43·0	63·2	6·2	3·9	·297	·266	65	74	NE 2·5	NNE 2	7	1	—	Beautiful day. [warm.
28	30·03	30·08	57·7	56·0	41·1	65·0	7·8	3·1	·276	·363	58	80	NNE 3	SW 0·5	7	10	—	Beautiful day. Cool evening.
29	30·09	·01	60·3	53·0	47·3	66·4	5·5	3·4	·361	·313	69	78	NW 1	W 2	9	7	—	Beautiful day.
30	29·90	·04	58·9	51·4	50·9	65·7	2·3	5·2	·426	·255	86	67	WNW 3	N 2	10	5	—	Fine and very pleasant.
31	30·10	30·07	57·0	49·9	38·0	63·4	8·4	2·6	·255	·294	55	83	N 2	SW 0·5	4	3	—	Fine and pleasant.
Mean	29·752	29·757	58·5	53·3	47·3	64·6	5·1	2·7	·350	·337	71·7	82·7		2·1		1·5	6·0	5·4	1·688	Beautiful day.

BABBACOMBE.—MAY 1890.

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	29·51	29·53	54·0	48·3	48·2	58·2	4·1	2·0	·309	·289	74	86	ENE 2	NE 1	3	3	—	a. and p. Fine day. ≋0 (mist).
2	·57	·59	55·7	48·4	44·4	58·8	4·3	1·6	·328	·209	73	89	E 2	NNW 1	0	5	—	
3	·52	·42	52·8	48·7	41·2	54·5	3·7	0·1	·304	·342	76	99	SSE 3	SSE 3	9	10	—	a. and p. ⊕0 2p. ▽ 9p. ≋0
4	·30	·17	50·4	49·9	48·0	52·0	0·4	1·1	·356	·330	97	93	E 2	ENE 3	10	10	·320	in past n. [(mist) till 7p.
5	·18	·30	49·5	46·8	46·8	55·9	0·8	0·8	·333	·301	94	94	SSW 3	SE 1	10	3	—	● a. and p. ●2 3p. ≋0 (mist) p.
6	·29	·27	49·0	47·6	46·4	52·2	1·1	0·7	·319	·312	92	95	E 2	S 3	10	1	·100	▽0 10p. D2 p.
7	·28	·28	52·2	47·3	46·1	56·8	1·8	0·8	·343	·306	88	95	SSE 3	ENE 1	9	1	—	●0 showers. D p.
8	·30	·28	56·7	53·4	44·4	63·4	6·0	1·5	·302	·366	66	90	NE 2	NE 3	1	10	—	n. D2 p.
9	·26	·15	48·3	48·1	47·4	53·9	1·5	0·4	·301	·327	90	97	NE 4	W 1	10	10	·090	2n. T0 7p. D0 ≋0 (mist) p.
10	·08	·13	52·1	49·9	47·1	58·4	1·5	1·3	·349	·325	89	91	SSW 3	E 2	10	8	·010	Dull, with ● ≋0 (mist).
11	·20	·27	55·3	50·7	47·0	60·1	3·0	0·7	·353	·352	81	95	SSE 1	ESE 1	8	9	—	
12	·27	·28	58·2	50·6	47·4	64·4	4·1	1·8	·366	·322	76	88	ENE 2	NW 1	3	9	—	D n. D2 p.
13	·37	·44	55·2	50·8	48·0	61·5	4·6	2·4	·313	·309	72	84	NW 3	WSW 4	8	10	—	D2 in past n.
14	·60	·75	57·1	47·8	44·5	59·8	7·2	2·0	·280	·284	61	86	W 4	WSW 3	6	3	—	D p.
15	·75	·72	53·3	49·5	47·2	59·8	3·5	1·2	·315	·323	77	91	SW 4	SSW 2	10	8	—	n. and p. Dull till 11a.
16	·54	·30	51·1	52·3	48·4	55·8	1·6	0·4	·333	·381	89	97	SSE 3	SSE 4	10	10	·080	D n. Day dull. ● p.
17	·38	·33	55·9	49·8	47·4	56·9	5·7	2·0	·297	·307	66	87	SW 5	SSE 4	5	10	·040	● n. ● showers p.
18	·34	·40	54·2	50·5	48·4	58·7	2·4	0·6	·353	·352	84	95	S 3	SSE 2	8	4	—	
19	·41	·25	52·5	53·7	46·8	57·2	1·3	0·9	·360	·386	90	94	NE 1	NNE 4	10	10	·500	⊕ 9a. D p. [11p.
20	·12	·53	51·4	50·1	47·0	56·7	0·8	1·0	·358	·335	94	93	ENE 1	SW 5	9	9	·100	≋ till 6a. ≋0 (mist) 5p. K0 ●2
21	·75	·88	53·7	50·9	48·5	56·6	2·4	1·4	·346	·335	84	91	S 3	S 3	10	8	—	Dull, with ● showers. Squally ≠
22	·94	·90	58·7	52·6	49·8	60·6	3·7	2·6	·384	·328	77	82	ENE 2	ENE 1	3	1	—	Dull day. [(gale) 1p.
23	·84	·72	59·6	56·0	51·2	64·6	5·4	2·1	·353	·386	69	86	ENE 2	NE 3	3	6	—	D2 n. Fine day. D p.
24	·64	·59	63·7	58·5	55·4	67·6	5·8	3·1	·404	·397	69	80	NE 3	ENE 2	2	2	—	D2 n. D p. ≋0 (mist).
25	·52	·55	64·1	56·6	56·6	71·4	4·1	1·8	·459	·404	77	88	ENE 2	ENE 2	2	2	—	2n. D2 p. D0 p. ≋0 (mist). < 11p.
26	·60	·63	48·5	46·3	46·3	58·3	2·5	1·7	·280	·274	82	88	ENE 3	SSW 1	10	2	—	n. K a. and p. ⊕ 9a.
27	·64	·72	50·7	50·8	44·4	57·8	2·7	5·4	·302	·245	82	66	E 3	NNE 3	9	0	—	Dull a. ≋0 (mist) p. [showers p.
28	·82	·87	55·9	53·0	46·2	62·7	6·3	3·7	·285	·306	63	76	NE 3	NW 3	2	0	—	n. ≋0 (mist).
29	·87	·80	59·9	51·9	45·8	66·1	5·6	3·0	·353	·308	68	80	ENE 1	W 3	7	9	—	≋0 (mist). Fine day.
30	·73	·84	57·9	50·3	50·3	62·8	3·0	3·3	·391	·283	81	78	WNW 4	NNW 1	10	7	—	⊕ a. and p.
31	29·85	29·85	52·9	46·0	44·0	58·6	7·2	3·0	·233	·243	59	79	ENE 1	WNW 2	5	0	—	Clear, noon—6p. ⊕0 7p. ▽0 11p.
Mean	29·500	29·507	54·5	50·6	47·4	59·4	3·5	1·8	·334	·324	78·7	88·2		2·6		2·4	6·8	6·0	1·900	p.

LONDONDERRY.—MAY 1890.

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	29·83	29·79	55·8	50·8	46·4	65·1	5·6	3·1	·301	·294	67	79	SE 1	Calm 0	10	10	—	ⓤ 9p.
2	·63	·71	55·1	44·5	43·0	55·9	4·4	1·8	·317	·253	74	87	SE 2	W 1	10	10	·130	● showers all day. ⓤ 9p.
3	·63	·60	52·7	48·9	35·8	58·4	4·7	2·0	·280	·297	71	86	E 2	SE 2	10	10	·040	● in evening.
4	·58	·58	51·5	49·3	46·5	64·9	2·2	1·7	·325	·308	85	88	ENE 1	E 1	10	0	—	
5	·57	·53	57·1	53·0	44·6	64·6	4·8	2·7	·333	·330	72	82	NW 2	NE 2	2	5	·060	
6	·52	·51	54·7	48·7	47·0	64·2	2·0	2·0	·332	·294	86	86	SE 1	Calm 0	10	0	·010	Fine and clear all day.
7	·47	·58	58·1	48·0	45·0	64·7	6·4	1·7	·310	·292	65	88	SE 1	S 1	5	6	—	Fine all day.
8	·64	·68	53·7	49·0	47·0	65·0	3·2	1·3	·326	·315	79	91	E 1	SE 1	10	0	—	Fine all day.
9	·65	·50	59·6	50·7	43·8	66·0	6·4	1·8	·330	·324	65	87	E 2	NW 1	0	3	—	Fine all day.
10	·37	·39	52·6	50·7	47·4	53·6	3·4	1·2	·308	·340	77	92	NE 1	NE 1	10	10	·020	
11	·43	·42	60·1	53·8	47·2	64·8	6·6	2·2	·332	·353	64	85	NW 1	Calm 0	6	10	—	Fine and warm all day.
12	·42	·47	53·7	47·9	46·8	58·2	4·0	1·2	·307	·303	75	92	SW 2	NW 2	10	10	·170	● showers in evening.
13	·50	·42	53·7	46·3	40·6	57·8	7·0	2·7	·245	·253	60	81	SW 2	SW 3	6	6	·060	● 4p.—6p.
14	·51	·64	51·6	45·9	42·1	55·3	5·8	3·1	·246	·241	65	79	SW 2	SW 3	5	4	·020	Fine, cold, and windy.
15	·64	·71	49·7	47·1	42·0	58·0	4·9	3·2	·244	·250	69	77	SW 1	SW 1	3	5	·010	Fine all day. ● at night.
16	·63	·47	50·8	48·5	44·1	55·3	4·1	1·0	·272	·316	73	94	S 2	NW 2	10	10	·130	● at times.
17	·33	·41	52·7	49·7	47·1	61·9	5·0	3·0	·274	·283	70	80	S 1	SE 2	10	7	·010	
18	·44	·60	53·7	49·9	47·8	62·6	5·0	3·2	·285	·281	70	79	SE 1	S 2	7	1	—	Fine all day.
19	·66	·67	63·7	55·4	42·2	70·4	9·8	2·7	·306	·363	52	83	ESE 2	NE 1	5	10	·190	
20	·50	·55	53·2	53·6	51·3	66·2	0·6	2·9	·388	·332	96	80	NE 1	SE 1	10	10	·010	● till 11a.
21	29·73	29·91	55·0	56·3	49·8	63·4	4·7	3·0	·309	·369	72	81	SW 2	SW 2	10	8	·010	
22	30·06	30·15	59·2	59·7	48·5	72·3	4·1	5·5	·381	·352	76	69	SE 3	SE 1	10	10	—	
23	·11	30·05	62·0	59·5	49·2	75·2	5·3	6·8	·391	·319	71	63	SE 2	ESE 1	8	1	—	Fine all day.
24	30·06	29·98	71·0	61·7	51·0	78·4	11·3	5·0	·376	·394	49	73	ESE 3	NE 1	0	1	—	Fine and clear all day.
25	29·94	·95	64·9	53·7	50·0	79·0	8·9	4·1	·343	·305	55	74	NE 2	NW 1	0	1	—	Fine all day, and very warm.
26	30·00	29·98	56·6	49·7	40·0	56·6	9·0	5·5	·241	·233	52	65	W 2	NE 1	1	1	—	Fine all day.
27	29·98	30·09	58·2	47·9	44·6	67·2	7·8	3·2	·281	·258	57	78	NW 1	NNW 2	2	10	—	Fine all day.
28	30·12	30·12	52·8	50·1	42·8	58·6	6·0	4·4	·255	·258	64	72	NW 2	NW 2	10	10	—	
29	29·99	29·83	53·2	50·7	48·0	54·6	3·6	1·0	·311	·345	77	93	SW 2	NW 2	10	10	·690	● from 9a.
30	30·00	30·10	47·0	44·8	44·0	51·6	3·1	3·1	·251	·229	78	77	N 2	NW 1	9	7	·170	● showers during day.
31	30·10	30·06	50·2	48·1	41·4	57·4	3·5	3·4	·278	·256	77	76	NW 3	NW 1	10	1	·030	
Mean	29·711	29·724	55·5	50·8	45·4	62·8	5·3	2·9	·306	·301	69·8	81·2	1·7	1·4	7·1	6·0	1·760	

ARMAGH.—MAY 1890.

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	29·70	29·64	54·8	51·6	48·0	62·5	5·1	5·1	·297	·261	70	69	E 2	ESE 1	9	8	·050	
2	·52	·60	53·8	43·5	43·0	55·5	3·0	1·7	·332	·246	80	86	S 1	Calm 0	10	7	·138	
3	·51	·47	51·2	47·0	34·1	52·5	5·1	0·3	·255	·325	68	98	SSE 2	SE 2	10	10	·072	
4	·44	·42	51·7	50·3	46·8	58·1	0·8	1·5	·362	·326	94	90	E 1	Calm 0	10	9	—	
5	·41	·38	52·9	48·7	44·1	60·5	2·7	0·9	·328	·322	82	94	NE 1	ENE 1	9	7	·044	
6	·40	·36	55·2	49·9	47·1	59·7	4·3	2·9	·322	·287	74	81	SSE 1	SSE 0·5	8	9	—	
7	·35	·44	50·7	48·1	45·8	57·4	2·7	2·1	·302	·284	82	85	SE 2	SE 1	10	9	—	
8	·49	·54	54·7	50·9	43·8	62·5	3·4	2·0	·336	·323	78	87	ENE 1	ENE 1	9	4	—	
9	·50	·34	56·4	52·6	44·9	61·3	4·5	2·1	·333	·340	73	86	ENE 1	ENE 1	9	10	·012	
10	·20	·25	49·4	48·9	47·0	53·3	1·4	0·3	·317	·339	90	98	NE 1	NE 0·5	10	10	·024	Overcast all day.
11	·29	·29	56·1	52·7	47·3	60·5	0·7	2·0	·430	·344	95	87	NE 0·5	S 0·5	9	10	—	
12	·30	·35	55·0	46·1	46·0	58·5	3·0	0·8	·349	·293	81	94	SSW 1	W 0·5	7	9	·005	
13	·40	·33	50·8	44·8	38·7	57·5	5·1	1·8	·252	·255	68	86	WSW 1	SW 1	8	2	·022	
14	·44	·57	47·0	44·0	39·9	54·5	2·2	2·2	·271	·240	85	83	SW 3	SW 1	8	3	·022	
15	·56	·59	50·1	46·0	41·5	57·5	5·1	2·2	·244	·261	67	85	SW 2	SW 1	9	10	·070	
16	·51	·30	49·6	48·8	44·0	51·6	0·9	0·1	·332	·343	94	99	SSW 1	Calm 0	10	10	·180	Overcast all day. ●
17	·22	·28	52·4	49·2	46·2	57·7	4·4	2·2	·283	·296	72	85	WSW 1	SSE 3	9	10	·192	
18	·34	·47	52·6	47·0	46·5	57·3	4·6	1·9	·281	·277	71	87	SSE 3	SE 1	7	2	—	
19	·54	·53	56·6	54·8	43·8	63·4	5·8	2·8	·306	·351	67	82	SE 1	SSE 1	3	9	·102	
20	·34	·38	52·3	50·0	49·8	59·2	0·2	1·0	·387	·334	99	93	ENE 1	E 1	10	10	—	
21	·63	29·78	56·4	53·7	49·0	60·1	5·0	1·6	·321	·367	70	89	SSW 2	SSE 2	10	8	·100	
22	·97	30·03	59·8	54·0	51·2	64·3	2·7	2·9	·429	·337	84	81	SSE 2	SE 1	8	8	—	
23	·97	29·91	63·9	58·1	47·9	67·7	8·0	5·6	·351	·329	59	68	SE 3	SE 1	0	2	—	
24	·90	·83	64·5	59·3	50·1	69·7	7·5	5·3	·371	·351	61	69	ESE 3	Calm 0	0	0	—	Fine day.
25	·76	·80	64·9	50·0	47·2	69·5	9·0	2·1	·342	·307	55	85	ENE 1	ENE 2	0	4	—	
26	·84	·84	52·6	49·1	42·8	58·2	5·8	3·6	·257	·265	65	75	ENE 3	E 1	7	0	—	
27	·85	·94	54·5	45·6	40·4	63·7	4·9	1·8	·297	·266	70	87	Calm 0	NNE 0·5	5	0	—	
28	·97	·99	55·9	48·3	38·7	62·0	5·8	3·3	·298	·261	66	77	Calm 0	NW 1	4	10	—	
29	·90	·70	52·2	50·1	45·4	57·2	4·1	0·2	·287	·357	74	98	WSW 1	NW 0·5	10	10	·360	Overcast all day.
30	·85	·99	50·1	40·8	39·0	53·5	3·4	1·1	·279	·232	77	92	NNW 1	N 0·5	10	8	·005	
31	29·98	29·93	48·3	46·2	36·3	56·5	1·8	1·1	·294	·287	88	93	NW 0·5	Calm 0	10	0	·030	
Mean	29·583	29·589	54·1	49·4	44·4	59·5	4·0	2·1	·318	·303	76·1	86·1	1·4	0·9	7·7	6·7	1·428	

MARKREE CASTLE, SLIGO.—MAY 1890.

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	29·73	29·66	55·8	54·1	43·3	63·0	3·9	4·4	·341	·302	76	73	SE 1	SE 1	9	10	·120	
2	·59	·64	46·5	41·4	40·9	54·1	0·8	1·1	·298	·238	94	91	SSW 1	Calm 0	10	9	·020	
3	·47	·46	48·1	49·4	33·9	50·0	4·5	0·4	·234	·342	70	97	ESE 4	SE 2	10	10	·190	Overcast all day.
4	·45	·48	53·8	52·1	46·2	57·9	2·6	2·1	·342	·334	82	85	ESE 3	ESE 0·5	10	10	·010	Overcast all day.
5	·47	·43	54·6	50·0	48·8	63·0	2·3	1·1	·361	·332	85	92	NNE 1	ENE 0·5	9	9	·040	
6	·43	·39	54·0	44·1	43·2	61·1	3·7	0·8	·317	·271	76	93	SSE 1	SSE 0·5	8	6	·030	
7	·36	·46	54·1	47·9	42·2	56·9	3·8	1·7	·316	·291	76	88	ESE 3	E 1	9	10	·150	
8	·55	·59	56·5	52·3	36·0	61·1	3·9	2·2	·348	·334	76	85	ENE 0·5	E 0·5	5	9	—	
9	·56	·41	57·0	51·1	38·8	64·4	3·8	0·8	·356	·355	76	94	NNW 0·5	N 0·5	9	10	—	
10	·28	·30	50·2	49·9	41·1	54·0	2·0	1·0	·312	·333	86	93	ENE 1	NNE 0·5	10	10	·010	Overcast all day.
11	·36	·38	53·1	51·0	49·0	60·9	1·0	0·8	·376	·353	93	94	ENE 0·5	NNW 1	10	10	·010	
12	·36	·44	51·1	40·7	40·7	54·8	1·9	3·3	·327	·247	86	79	S 0·5	W 0·5	10	8	·030	
13	·44	·41	51·6	43·0	34·2	53·9	4·8	1·4	·267	·247	71	89	S 3	SSW 0·5	10	9	·080	
14	·49	·59	50·2	44·6	40·0	54·0	2·9	1·3	·291	·265	81	90	SW 4	SSW 3	7	6	·160	
15	·61	·64	47·2	45·0	40·2	55·8	1·1	1·8	·298	·257	93	86	S 1	SSE 1	7	9	·080	
16	·56	·41	49·3	46·9	42·4	55·1	3·0	1·6	·280	·283	79	89	SSW 1	NNW 0·5	10	9	—	
17	·28	·26	53·0	48·8	44·0	57·8	5·6	0·8	·265	·325	66	94	SSW 1	ESE 3	9	10	·060	
18	·31	·46	52·0	48·3	45·1	58·7	3·7	2·3	·294	·282	76	84	SSE 4	SE 2	9	4	—	
19	·55	·58	56·2	50·1	45·1	62·3	4·2	2·2	·337	·306	74	84	ESE 3	E 0·5	7	9	—	
20	·38	·42	54·5	51·7	42·9	59·9	1·3	2·0	·387	·332	91	87	ENE 3	ESE 1	10	9	·010	
21	·63	29·83	55·2	49·0	48·0	59·5	3·0	0·8	·352	·327	81	94	S 3	Calm 0	9	9	·050	
22	·95	30·03	57·1	56·7	44·4	67·4	1·5	4·2	·421	·344	90	74	SSE 3	SE 2	10	9	—	
23	·98	29·94	61·5	57·2	49·0	69·4	4·2	4·2	·413	·349	76	74	SSE 2	SE 0·5	9	10	—	
24	·90	·85	64·8	64·7	44·6	70·3	6·8	5·5	·393	·426	64	70	ESE 4	SE 3	2	2	—	
25	·78	·80	65·2	56·5	53·2	72·3	5·9	3·1	·425	·368	69	80	E 2	ENE 1	2	3	—	
26	·87	29·88	54·4	47·3	44·3	60·2	4·7	3·0	·300	·257	71	79	E 3	NNE 0·5	8	2	—	
27	29·92	30·01	57·2	47·2	33·4	60·2	6·2	1·8	·307	·282	65	88	E 0·5	N 0·5	4	2	—	
28	30·07	30·08	50·3	48·9	33·6	53·6	3·9	3·4	·270	·267	74	78	N 1	Calm 0	10	10	—	Overcast all day.
29	29·95	29·81	55·0	50·2	43·0	58·0	2·8	0·1	·354	·360	82	99	SW 0·5	W 0·5	10	10	·320	Overcast all day.
30	29·95	30·08	51·2	41·8	41·0	53·9	4·6	1·4	·266	·236	71	89	N 1	Calm 0	9	6	—	
31	30·07	29·99	52·1	45·1	29·3	56·2	4·8	1·4	·271	·267	70	89	NW 1	Calm 0	6	6	—	
Mean	29·623	29·635	54·0	49·5	42·0	59·3	3·5	2·0	·326	·307	78·1	86·5	1·9	0·9	8·3	7·9	1·370	

DUBLIN (PHŒNIX PARK).—MAY 1890.

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	29·75	29·68	54·6	52·4	41·4	61·6	4·3	4·2	·312	·288	74	73	E 1	Calm 0	4	6	·005	Beautiful day.
2	·63	·67	50·8	45·7	45·1	54·5	1·5	2·0	·333	·262	89	86	SW 1	Calm 0	10	4	·090	Dull, with ● 0 a. Cloudy p.
3	·56	·50	49·0	48·9	33·7	50·0	2·9	0·3	·278	·339	80	98	SE 2	SE 2	7	8	·215	Cloudy day. ● p.
4	·46	·46	50·1	48·6	47·7	53·8	0·7	0·8	·344	·323	95	95	ESE 1	Calm 0	8	7	·005	Dull, with ● till 2p., then cloudy.
5	·43	·40	51·4	49·4	47·8	56·1	1·4	0·3	·343	·344	90	98	ENE 1	Calm 0	7	10	·015	● 0 8.30p.—10.30p.
6	·46	·39	51·6	48·2	39·4	55·8	1·8	1·4	·335	·302	88	91	ESE 1	E 1	6	5	·015	Beautiful day.
7	·40	·47	53·2	46·3	45·7	56·6	1·8	1·0	·355	·290	88	93	SE 2	Calm 0	8	2	—	Cloudy day.
8	·53	·56	56·4	50·8	35·7	58·8	3·1	1·2	·367	·341	81	91	E 1	NE 1	4	8	·060	Beautiful day.
9	·55	·39	51·0	50·8	48·4	55·8	1·0	0·5	·348	·359	93	96	NE 1	NE 1	10	7	·190	Dull a. Bright p.
10	·21	·27	47·8	48·9	46·9	51·6	0·4	0·3	·323	·339	97	98	NE 1	Calm 0	10	10	·095	Dull day. ● 0 till 0.30p.
11	·35	·39	54·4	48·8	47·9	58·8	2·6	1·0	·351	·321	83	93	Calm 0	Calm 0	5	1	—	Beautiful day.
12	·39	·41	56·0	48·4	42·7	60·0	3·1	0·6	·363	·326	80	96	SW 1	Calm 0	4	8	·170	Bright a. Cloudy, with ● 2 showers p.
13	·51	·45	51·8	47·0	38·1	58·3	4·4	1·3	·277	·291	72	91	WSW 1	WSW 1	3	2	·020	Bright a. Cloudy, with ● 0 shower p.
14	·58	·67	51·2	46·0	41·5	54·8	4·3	1·6	·272	·274	72	89	SW 2	SW 1	4	5	·040	Bright a. ● showers p.
15	·67	·70	51·4	48·2	42·7	58·0	2·6	1·7	·314	·295	83	89	SW 2	SW 1	7	4	·170	Cloudy, with ● 0 showers. ▲ 2 11a.
16	·56	·38	50·0	50·3	44·7	52·0	0·7	0·4	·342	·355	95	97	Calm 0	Calm 0	9	10	·310	Dull, with ● 0.
17	·34	·33	51·0	48·4	46·6	56·3	3·4	0·4	·290	·330	78	97	SW 1	SE 2	5	8	·040	
18	·38	·49	55·1	50·2	47·7	57·5	4·5	2·6	·315	·298	72	83	SE 2	SE 1	6	5	—	Beautiful day.
19	·57	·57	55·9	52·0	46·6	58·8	4·5	1·4	·328	·351	72	90	SE 1	Calm 0	3	8	·220	Beautiful day.
20	·36	·44	52·2	51·1	50·7	58·6	0·2	0·5	·385	·363	99	96	Calm 0	Calm 0	10	8	·010	Cloudy, with ● showers.
21	29·73	29·88	56·4	54·6	49·6	57·4	4·3	1·2	·338	·392	74	92	S 2	Calm 0	7	6	—	Cloudy a. Dull p.
22	30·05	30·10	55·8	50·8	50·4	62·4	1·4	1·0	·405	·347	91	93	SE 1	Calm 0	6	2	—	
23	30·03	29·96	62·4	52·4	47·9	65·6	5·7	0·8	·387	·371	69	94	SE 1	Calm 0	1	1	—	Beautiful day.
24	29·92	·84	59·3	58·7	48·3	65·8	4·3	3·5	·377	·390	74	78	E 1	E 1	1	1	—	Beautiful day.
25	·80	·79	57·2	52·2	48·5	63·2	3·3	1·8	·372	·342	79	88	ENE 2	E 1	0	2	—	Beautiful day.
26	·85	·86	51·2	44·3	43·7	55·0	4·6	0·6	·266	·277	71	96	ENE 3	Calm 0	4	2	—	Beautiful day.
27	29·90	29·97	54·2	47·1	38·6	56·6	4·4	1·7	·304	·283	72	88	E 1	Calm 0	5	6	—	Beautiful day.
28	30·04	30·05	54·6	50·6	36·1	60·0	4·0	3·6	·319	·280	76	76	NW 1	Calm 0	5	8	—	Beautiful day.
29	29·98	29·75	53·2	55·2	44·6	58·5	3·8	0·3	·306	·428	75	98	WSW 1	W 2	6	10	·250	Cloudy a. Dull, with ● 0 showers p.
30	29·90	30·04	51·8	41·0	40·9	56·0	3·8	3·0	·290	·215	75	84	NW 1	Calm 0	7	1	—	Beautiful day.
31	30·05	29·99	51·3	45·1	34·6	60·0	4·9	0·7	·260	·284	69	94	NW 1	Calm 0	4	2	—	Beautiful day.
Mean	29·643	29·640	53·3	49·4	44·0	57·7	3·0	1·3	·329	·323	80·8	91·0	1·2	0·5	5·7	5·4	1·920	

PARSONSTOWN (BIRR CASTLE).—MAY 1890.

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.		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	29·67	29·64	55·6	54·0	44·7	66·7	4·7	5·2	·318	·284	72	68	Calm 0	Calm 0	10	3	·170	☌ *a*. Fine and very warm. ● *5p*.
2	·59	·63	46·0	48·7	42·8	54·7	0·9	4·8	·289	·235	94	69	Calm 0	Calm 0	10	5	—	Dull day.
3	·42	·43	48·8	48·7	36·2	56·2	3·0	2·6	·274	·281	79	82	SE 3	S 1	10	10	·160	● showers. ≋⁰ (mist) *9p*.
4	·38	·41	52·3	51·0	44·8	55·1	1·8	2·0	·344	·323	88	86	ESE 1	Calm 0	10	10	—	Dull and damp *a*. Dull, with ≋⁰
5	·37	·37	53·4	50·8	47·8	61·8	3·4	1·8	·317	·325	78	87	ENE 1	Calm 0	7	10	—	☌ *a*. Fine day. [(mist) *p*.
6	·40	·34	54·9	49·8	41·9	58·8	4·8	3·5	·305	·273	71	77	SE 1	Calm 0	6	9	·100	●² *n*. Mild, with ⍀ ●.
7	·28	·41	53·8	49·5	45·9	56·5	3·9	2·5	·310	·292	75	83	SE 2	S 1	10	9	·048	● showers *a*. Day mild.
8	·47	·52	56·8	51·4	43·8	64·3	4·9	3·1	·328	·301	71	80	E 1	Calm 0	1	0	·061	Very fine and warm. ☌.
9	·51	·36	53·0	48·1	43·2	60·5	1·9	1·2	·350	·306	87	91	Calm 0	Calm 0	10	0	·020	Dull *a*. ☌ ●
10	·21	·23	48·1	48·8	40·8	49·7	1·1	0·7	·308	·328	92	95	Calm 0	Calm 0	10	10	·171	Dull *a*. ● *a*. and *p*.
11	·30	·35	52·0	49·7	46·3	57·1	2·2	0·7	·330	·338	85	95	Calm 0	Calm 0	10	10	—	Dull and gloomy, with ☌ *a*. Close and
12	·36	·43	51·7	46·3	42·2	56·5	0·8	1·6	·362	·276	94	89	Calm 0	Calm 0	5	5	·040	☌ *a*. Dull, with ●. [mild.
13	·48	·44	51·6	45·1	36·7	55·4	4·6	2·1	·270	·252	71	84	SW 1	W 2	9	0	—	☌ *a*.
14	·54	·64	50·8	44·5	39·8	53·8	4·9	0·6	·255	·280	69	95	SW 3	Calm 0	5	1	·092	Bright day. ▲ ● 4·30*p*.
15	·63	·65	51·0	48·0	40·9	56·7	1·1	2·1	·346	·283	92	85	SW 1	Calm 0	9	10	·054	Dull *a*. ● showers, with cool wind.
16	·52	·36	50·6	48·4	44·3	52·9	2·3	1·8	·310	·295	84	87	Calm 0	Calm 0	10	10	·148	● showers *a*. Day mild.
17	·29	·20	51·8	47·5	44·0	57·5	4·9	1·6	·266	·290	70	89	Calm 0	SE 2	6	1	·054	● *a*. and *p*. Bright day.
18	·28	·39	53·6	48·9	43·7	57·7	4·8	2·2	·288	·292	70	85	SE 1	ESE 3	8	7	·030	Bright and gusty. ● showers.
19	·48	·53	53·5	48·5	46·8	60·6	3·6	1·9	·314	·294	77	87	ESE 1	Calm 0	10	2	·170	Dull, with ●. ☌ *p*.
20	·31	·40	53·1	52·6	45·7	60·7	1·0	1·7	·376	·350	93	88	E 1	Calm 0	10	9	·050	☌ *a*. Dull, with ●.
21	·61	29·81	54·9	53·2	46·6	62·1	4·1	2·7	·321	·332	75	82	SE 1	Calm 0	10	6	—	Bright *a*. Dull, with ☌ *p*.
22	·93	30·01	60·0	55·6	51·1	68·0	3·5	3·3	·409	·352	79	79	SE 1	Calm 0	9	3	—	Fine *a*. Fine and mild evening.
23	·95	29·88	62·5	58·4	48·4	70·1	6·6	4·9	·365	·350	65	72	ESE 1	Calm 0	5	2	—	Bright and warm.
24	·84	·76	66·9	61·3	50·7	73·9	7·9	4·2	·398	·410	60	76	SE 1	ESE 1	0	0	—	Fine and bright. ⍑ 4·30*p*. ≋⁰ (mist).
25	·70	·70	64·3	58·4	50·8	72·1	5·8	4·5	·413	·360	69	74	ENE 1	SE 3	0	8	—	Bright, cool, and windy. ≋⁰ (mist) *p*.
26	·79	·82	51·9	48·1	47·6	59·8	4·0	3·0	·286	·264	75	79	SE 2	Calm 0	10	0	—	Dull *a*. Bright day. ≋⁰ (mist).
27	29·87	29·95	58·6	51·5	39·8	63·6	6·9	2·4	·306	·320	62	84	NE 1	Calm 0	1	0	—	Fine and bright.
28	30·05	30·03	51·4	51·6	36·2	59·5	3·5	1·5	·292	·343	77	90	NW 1	Calm 0	10	9	—	≋⁰ (mist) *p*.
29	29·98	29·80	53·4	54·7	48·6	59·0	0·5	0·9	·394	·402	96	94	Calm 0	WSW 5	10	10	·139	Dull, with ● *a*.
30	29·91	30·03	53·1	44·3	43·2	58·1	3·2	1·2	·319	·263	79	91	NW 1	Calm 0	10	0	—	Dull *a*. Day bright, mild, and clear.
31	30·04	29·97	52·7	51·6	31·1	62·5	0·8	2·7	·375	·313	94	81	Calm 0	Calm 0	1	1	—	Mild and bright.
Mean	29·585	29·596	53·9	50·6	43·8	60·1	3·5	2·4	·327	·310	78·8	84·0		0·9		0·5	7·5	5·2	1·507	

SWANBISTER.—JUNE 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8′ W. Lat. 58° 56′ N. Gravity Correction, + ·036.

1													SW 4	NNW 2						Observations, except with anemometer, temporarily discontinued, owing to change of station.
2													W 2	E 3						
3													E 1	Calm 0						
4													WSW 6	SSE 1						
5													NW 2	E 1						
6													Calm 0	WNW 3						
7													W 4	WNW 2						
8													WNW 1	SE 4						
9													ESE 5	E 1						
10													E 1	ESE 3						
11													E 4	NE 2						
12													NNE 5	NNE 4						
13													N 3	N 2						
14													N 2	NE 1						
15													S 3	Calm 0						
16													WSW 2	W 3						
17													W 3	NW 3						
18													WNW 3	S 2						
19													W 4	Calm 0						
20													SW 3	WSW 3						
21													W 4	SSW 1						
22													NW 4	Calm 0						
23													S 3	W 4						
24													WSW 5	SE 1						
25													W 10	W 4						
26													SW 1	SE 2						
27													E 4	N 2						
28													N 3	N 1						
29													S 1	SE 4						
30													E 5	ENE 5						
Mean														3·3		2·1				

DUNROBIN CASTLE.—JUNE 1890.

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.		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	29·75	49·7	50·3	43·9	58·9	4·2	1·8	·259	·319	72	88	SW	SE			—	Dull and mild.
2	·71	·44	50·3	50·5	43·8	54·4	5·3	1·8	·242	·322	66	88	S	SW	—	—	·420	Dull and mild. ● *p*.
3	·47	·34	52·5	55·5	50·5	57·6	2·0	1·0	·341	·412	87	94	S	S	—	—	·640	Dull *a*. ● *F*.
4	·47	·64	56·7	57·0	49·1	61·4	3·4	4·3	·363	·344	79	74	S	SE	—	—	—	Fine and breezy.
5	·67	29·74	56·0	53·3	51·1	61·9	2·3	4·0	·383	·303	85	74	NW	N	—	—	·150	Dull, then fine and warm.
6	29·71	30·07	48·7	46·0	45·8	61·2	1·7	2·5	·301	·255	88	83	E	NE	—	—	—	Dull day.
7	30·20	30·31	54·0	46·6	41·8	57·4	6·7	1·6	·254	·280	61	89	E	E	—	—	—	Fine, clear and warm.
8	30·17	29·95	51·7	53·5	37·6	55·4	5·2	3·0	·260	·329	68	80	SE	E	—	—	·330	Fine day. ● *p*.
9	29·78	·83	56·3	54·3	53·4	60·2	3·0	1·8	·369	·371	81	88	S	N	—	—	·660	Dull, then fine and mild.
10	·72	·66	57·0	53·8	53·6	61·2	3·7	1·3	·359	·378	77	91	S	SE	—	—	—	Fine day.
11	·63	29·75	53·0	51·7	50·6	53·8	1·7	2·4	·355	·322	88	84	SE	E	—	—	—	Cold day.
12	29·87	30·13	55·0	54·3	50·8	59·2	2·0	2·3	·375	·357	87	84	SE	NE	—	—	—	Cold and breezy.
13	30·24	·34	54·0	45·6	45·4	58·2	5·7	1·3	·273	·276	66	90	NE	NE	—	—	—	Dull day.
14	·33	·37	50·0	45·4	43·6	54·2	4·7	1·7	·251	·264	70	88	SW	NE	—	—	—	Dull and cold.
15	30·26	30·14	53·0	56·3	43·4	57·9	2·7	2·3	·330	·387	82	85	SE	W	—	—	—	Dull day.
16	29·88	29·77	63·9	56·3	53·6	64·3	4·6	5·8	·441	·302	74	67	W	N	—	—	—	Fine *a*. Breezy *p*.
17	·66	·80	55·3	53·0	46·6	57·6	3·3	3·7	·346	·306	79	76	SW	SW	—	—	·230	Dull *a*. ● showers *p*.
18	·87	·78	54·0	54·7	47·1	56·6	5·3	3·7	·282	·328	68	76	W	SW	—	—	—	Dull day.
19	·87	·78	56·0	55·7	50·6	61·9	4·7	3·0	·324	·361	72	81	NW	N	—	—	·310	Fine *a*. Mild, with ● *p*.
20	·67	·78	57·6	50·7	49·8	61·4	4·3	1·7	·354	·326	75	88	SW	W	—	—	—	Fine *a*. Dull *p*.
21	·81	29·88	57·0	53·0	50·7	63·9	4·7	2·7	·334	·330	72	82	NW	W	—	—	·110	Fine *a*. Dull *p*.
22	·87	30·01	58·6	52·3	50·8	60·9	4·6	3·8	·359	·296	73	75	W	W	—	—	·020	Dull *a*. Cloudy *p*.
23	·95	29·99	55·7	53·7	45·6	62·8	1·0	4·4	·416	·298	94	72	SW	SW	—	—	·040	Dull day.
24	·96	·88	56·3	53·7	50·4	58·6	6·0	2·7	·298	·338	66	82	W	W	—	—	·020	Fine *a*. Cold *p*.
25	·56	·86	55·5	51·3	50·6	59·6	3·2	3·0	·352	·303	80	80	SW	NW	—	—	·170	Cloudy and mild.
26	·82	·68	57·0	53·5	45·6	57·2	3·7	2·5	·359	·340	77	83	SW	E	—	—	·040	Fine and mild.
27	·56	·67	54·3	55·0	48·4	56·4	3·3	2·0	·331	·375	78	87	S	S	—	—	·120	Fine and mild.
28	·77	·82	54·5	50·7	50·6	57·6	4·2	5·4	·313	·245	74	66	SW	W	—	—	·420	Cloudy and cold.
29	·75	·57	54·7	56·3	50·7	60·2	5·7	5·0	·282	·320	66	70	SE	SE	—	—	·010	Fine and mild.
30	29·38	29·49	54·3	52·7	52·6	57·2	2·8	0·4	·344	·387	81	97	SE	SE	—	—	—	Dull day.
Mean	29·810	29·840	54·8	52·6	48·3	59·0	3·9	2·8	·328	·326	76·2	82·1		—		—	3·090	

BRAEMAR.—JUNE 1890.

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	28·60	28·54	45·6	44·6	39·0	49·8	2·1	1·9	·259	·252	85	86	SW 1	NW 0·5	9	8	·020	● showers.
2	·54	·33	49·3	52·5	40·2	54·8	5·3	1·8	·232	·346	66	88	SW 1	SW 1	7	7	·090	● showers.
3	·36	·26	56·8	47·5	47·5	63·0	4·5	0·2	·338	·324	73	98	SW 1	SW 1	6	10	·550	● showers.
4	·38	·57	55·0	53·5	47·5	60·8	5·0	5·0	·302	·283	70	69	SW 1	SW 1	8	8	—	Fine day.
5	·53	·59	55·3	52·0	49·0	63·0	2·8	4·0	·359	·287	82	74	SW 1	SW 1	6	8	·170	Fine day.
6	28·48	28·85	55·0	41·4	39·3	58·0	2·7	2·9	·357	·203	83	79	SW 1	NW 1	7	1	·030	Fine day.
7	29·02	29·11	50·7	45·9	35·7	55·6	6·4	2·4	·226	·256	61	84	NW 0·5	W 0·5	8	4	—	Fine day.
8	28·98	28·78	51·9	49·5	33·3	57·2	6·2	1·8	·241	·309	63	88	SW 2	SW 0·5	6	9	·150	
9	·65	·71	54·8	52·7	46·7	62·8	2·9	4·0	·350	·296	81	74	SW 2	SW 0·5	7	6	—	
10	·66	·54	54·9	52·2	44·4	63·8	3·7	2·3	·331	·331	76	84	SW 1	SE 0·5	6	6	·030	
11	·46	·49	49·3	48·0	48·0	59·0	0·6	2·2	·336	·281	96	85	NE 2	NE 0·5	10	8	·240	Dull, with ●.
12	28·61	28·87	49·5	50·2	45·4	55·0	1·8	2·4	·309	·302	88	84	NE 1	NE 0·5	10	6	—	
13	29·02	29·09	48·3	44·1	44·1	53·3	2·8	2·6	·272	·233	81	80	NE 2	NE 0·5	8	4	—	
14	·12	29·11	50·7	49·5	33·2	63·8	5·5	3·2	·243	·277	65	78	NE 1	E 0·5	3	3	—	Fine day.
15	29·07	28·97	51·7	57·5	42·7	65·3	3·0	2·2	·308	·408	80	86	S 0·5	SW 0·5	7	8	—	
16	28·77	·66	58·6	49·7	49·7	62·4	3·8	3·2	·380	·279	77	79	SW 2	SW 2	6	7	·260	
17	·56	·66	51·5	51·2	45·7	57·0	4·0	3·7	·283	·286	74	76	SW 2	NW 0·5	9	8	—	Dull day.
18	·76	·64	50·7	52·3	45·7	60·0	4·2	2·1	·269	·336	73	85	SW 1	SW 0·5	7	7	·130	Fair *a*. ● *p*.
19	·77	·66	52·5	51·7	47·2	64·0	3·7	3·2	·300	·303	76	79	SW 1	SW 1	8	7	—	Fine day.
20	·54	·67	53·3	48·3	48·3	57·8	5·6	2·5	·268	·279	66	83	SW 2	SW 1	8	6	·050	Fine day. ● showers *p*.
21	·69	·73	51·1	51·8	45·2	60·7	3·4	2·3	·291	·326	77	85	SW 2	SW 0·5	7	7	·060	●⁰ showers.
22	·69	·81	57·2	52·5	48·0	62·0	6·7	4·0	·292	·294	62	74	W 1	NE 0·5	4	4	·030	Fine day.
23	·82	·78	54·5	54·2	49·4	64·2	2·3	4·1	·360	·310	84	74	SW 1	SW 0·5	6	7	—	Fine day.
24	·80	·67	54·7	52·3	48·0	59·0	6·5	3·5	·266	·302	62	77	SW 1	SW 2	6	8	—	Fine day.
25	·51	·73	51·5	48·5	48·5	56·5	5·8	4·0	·244	·249	65	73	SW 10	SW 1	6	3	—	Fine day.
26	·67	·50	51·3	49·5	36·3	59·0	5·1	1·2	·256	·323	68	91	S 0·5	SW 0·5	7	8	·210	Fine *a*. ● *p*.
27	·36	·47	50·8	46·8	43·0	56·0	2·3	1·1	·314	·294	85	92	SW 0·5	NE 0·5	8	10	·380	Dull, with ●.
28	·57	·65	50·5	48·3	46·3	56·2	4·2	2·5	·266	·279	73	85	NE 0·5	NE 0·5	6	7	·030	Cold with ● showers.
29	·55	·39	54·2	50·3	38·2	59·8	6·7	4·8	·257	·252	61	69	SW 1	SW 1	6	8	—	Fine day.
30	28·17	28·26	50·5	49·2	46·5	57·0	4·0	1·7	·271	·308	74	89	E 0·5	NE 1	9	10	·200	Dull day. ● *p*.
Mean	28·657	28·669	52·4	49·9	43·8	59·2	4·1	2·8	·293	·294	74·2	81·5		1·5		0·8	7·0	6·8	2·630	

LAUDALE.—JUNE 1890.

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.		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	29·79	52·0	48·5	41·5	54·4	1·0	2·5	·361	·280	93	82	W 2	Calm 0	10	5	·080	⊜ ≈⁰ (mist) *a.*
2	·73	·51	52·2	55·0	44·4	55·7	3·5	1·5	·301	·389	77	92	Calm 0	W 5	10	10	1·600	● ² from 11*a.*, with ⁄ .
3	·51	·26	55·7	52·4	50·7	56·4	1·3	1·4	·407	·355	92	90	W 2	W 4	10	10	1·230	● all day. ⁄ in evening.
4	·52	·62	53·9	54·9	51·2	60·2	2·3	1·9	·335	·376	81	88	Calm 0	SW 2	10	10	·200	Dull and mild all day. ●⁰
5	·70	29·73	52·4	52·2	51·1	59·7	1·1	2·5	·363	·326	92	85	W 1	SSW 1	10	10	·240	Calm and mild all day. ●⁰
6	29·74	30·09	46·3	47·4	43·2	59·2	0·8	3·4	·295	·249	95	77	N 3	N 2	10	6	·040	●² *n.* Dull till 10*a.*
7	30·25	30·33	53·7	47·0	43·7	61·3	5·5	2·9	·274	·255	66	80	WNW 2	Calm 0	4	0	—	Fine all day.
8	30·13	29·82	54·3	54·7	42·2	67·5	6·3	2·9	·265	·349	63	81	Calm 0	SE 2	6	10	·520	Fine *a.* Dull *p.* ● in evening.
9	29·76	·78	56·9	57·1	40·1	68·1	2·1	2·4	·400	·396	87	84	W 1	NW 2	9	2	—	Dull till 11*a.*, then fine.
10	·72	·55	59·0	59·5	55·0	67·5	3·4	3·5	·396	·401	80	79	SE 1	SE 2	10	10	·070	Fine all day.
11	·53	29·60	53·0	53·2	51·4	60·0	1·1	1·5	·371	·363	92	90	Calm 0	Calm 0	10	6	·360	● all day.
12	29·81	30·09	56·7	52·0	50·3	60·3	3·7	1·2	·355	·356	77	92	E 3	Calm 0	8	2	—	Fine *p.*
13	30·21	·28	59·0	55·5	49·0	63·4	5·0	3·1	·354	·354	71	80	E 2	Calm 0	3	6	—	Fine and bright all day.
14	·30	·32	53·5	52·0	49·1	60·8	3·5	2·1	·316	·333	77	85	ESE 1	Calm 0	10	3	·080	Dull till 10*a.*, then fine and clear.
15	30·27	30·14	53·0	56·8	48·5	58·7	1·0	1·2	·374	·426	93	92	SSW 1	W 1	10	10	·300	● all day. ≈⁰ (mist).
16	29·96	29·83	57·0	53·5	50·2	60·0	2·4	2·6	·394	·339	85	82	W 3	W 2	10	8	·190	●² showers all day.
17	·72	·83	53·8	52·3	50·0	58·2	2·8	2·1	·357	·336	81	85	WNW 2	WNW 2	10	8	·320	●² *a.* ●² showers *p.* Dry at night.
18	·86	·85	56·7	53·7	49·7	59·9	3·7	1·4	·355	·373	77	90	SSE 2	W 3	10	10	·230	Dull and cold. ●² showers.
19	·97	·85	55·5	55·0	51·0	59·4	2·8	3·3	·362	·342	82	79	NW 1	NW 3	8	10	·240	Cold ●² showers.
20	·79	·88	55·3	52·3	50·9	57·7	3·3	0·7	·346	·373	79	95	WNW 3	W 4	8	10	·340	●² △² showers all day. Cold ⁄ .
21	·92	29·90	55·3	52·9	51·2	61·0	3·7	0·2	·337	·396	77	99	W 2	SSW 1	10	10	·040	Dull and calm, with ●⁰ showers.
22	29·95	30·02	55·5	55·6	51·7	63·3	3·3	1·8	·349	·391	79	88	Calm 0	Calm 0	10	3	—	
23	30·01	30·04	59·9	53·7	50·8	63·7	1·9	2·7	·454	·338	89	82	Calm 0	W 2	10	10	·110	● *a.* ≈⁰ (mist).
24	30·02	29·76	56·4	54·1	50·1	62·0	5·4	2·1	·312	·359	68	85	WSW 1	W 7	8	10	1·150	● ⁄ from 4*p.*
25	29·83	·96	54·7	52·1	50·2	58·0	3·7	1·1	·328	·360	76	92	Calm 0	Calm 0	10	8	·020	●² till 10*a.*
26	·84	·73	58·8	57·6	47·1	61·0	4·8	5·6	·357	·322	72	68	W 1	WNW 1	8	7	·030	Fine day.
27	·57	·65	55·5	52·0	46·0	60·0	4·5	2·1	·321	·333	72	85	Calm 0	Calm 0	6	7	·020	
28	·77	·84	57·0	51·7	42·3	60·7	3·8	4·5	·356	·274	76	71	N 1	N 1	4	4	—	
29	·77	·49	55·0	53·6	40·9	59·9	4·7	2·9	·309	·333	72	80	Calm 0	S 5	7	10	·280	Fine till 11*a.*
30	29·20	29·36	54·7	56·0	51·3	57·2	3·1	4·3	·344	·333	80	74	SSE 4	NW 1	10	7	·050	⁄ *n.* ● showers during day.
Mean	29·838	29·829	55·1	53·5	48·2	60·5	3·2	2·4	·348	·347	80·0	84·3	1·3	1·8	8·6	7·4	7·740	

DUNDEE.—JUNE 1890.

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	29·64	29·56	51·5	50·8	41·3	60·9	4·5	4·4	·271	·265	71	71	W 1	NW 2	10	7	·030	● showers noon—6*p.*
2	·58	·36	53·0	55·7	44·0	59·7	4·4	2·3	·290	·379	72	85	NW 1	W 2	10	10	·050	● showers noon—6*p.*
3	·39	·28	58·0	51·7	51·2	65·7	2·7	2·0	·401	·332	83	87	W 4	SW 6	10	10	·080	●⁰ showers.
4	·39	·54	59·3	57·5	51·0	66·2	4·4	4·6	·374	·344	74	73	W 2	W 1	10	10	·020	Cloudy day. ● nt night.
5	·57	·59	59·1	56·6	51·8	65·0	2·9	0·4	·412	·446	82	97	SW 1	W 1	10	10	540	Dull day. ● at night.
6	29·52	29·86	55·5	48·5	48·2	62·7	0·9	4·6	·415	·237	94	69	SW 1	NW 1	10	7	·130	● till 9.30*a.* ● showers till 3*p.*
7	30·06	30·14	54·5	48·7	36·1	61·9	6·6	2·3	·261	·289	62	84	NW 2	NE 1	5	5	—	
8	30·04	29·77	58·3	51·1	40·7	62·7	4·9	0·6	·348	·360	71	96	SE 1	SE 4	5	10	·280	● from 3*p.*
9	29·56	·73	56·0	56·5	49·5	64·7	1·7	2·1	·399	·395	89	86	W 1	W 1	10	5	·480	● *n.* and 6*a.*—7*a.*
10	·66	·49	56·3	51·2	50·6	60·8	2·8	1·1	·374	·353	82	94	SE 1	SE 4	10	7	—	Dull till 1*p.* Cloudy day.
11	·41	·43	50·5	50·6	50·1	51·8	0·4	1·2	·356	·338	97	92	E 2	NE 6	10	10	·290	● *n.* and till 3*p.*
12	29·55	29·86	50·7	52·7	49·2	54·2	1·1	1·8	·342	·349	92	88	NE 8	NE 6	10	10	·270	● 6.30*a.*—4*p.* ⁄ till 6*p.*
13	30·04	30·14	55·2	49·9	49·6	56·7	4·0	1·6	·328	·318	75	89	NE 2	NE 1	10	10	—	Dull day.
14	·17	30·20	54·0	48·5	44·2	59·1	6·8	2·6	·252	·279	60	82	E 1	SE 1	10	10	—	
15	30·16	29·98	53·6	59·0	46·3	68·5	4·0	1·0	·306	·467	75	94	SW 1	W 1	10	10	·010	Dull day. ●⁰ showers 6*p.*—7.30*p.*
16	29·78	·69	64·5	54·5	54·4	66·5	3·9	2·9	·473	·345	78	81	W 6	W 4	10	0	—	
17	·56	·63	56·4	55·5	50·1	62·2	4·4	3·1	·335	·326	73	79	W 2	NW 1	10	10	·010	● showers till 6.30*p.*
18	·72	·65	56·0	55·2	46·9	64·3	3·7	0·8	·344	·413	77	95	NW 1	W 1	10	5	·130	● 3*p.*—6.30*p.*
19	·79	·72	57·4	56·2	49·5	66·8	2·8	3·2	·390	·362	83	80	SW 1	SW 2	10	10	—	Dull day.
20	·62	·73	60·5	52·6	52·3	64·9	5·9	4·1	·354	·293	67	74	SW 6	W 4	5	10	·040	● showers 10*a.*—1*p.* ⁄ .
21	·74	·78	60·0	55·1	48·3	67·7	5·3	2·1	·362	·374	70	86	W 6	W 1	5	10	·020	●⁰ from 8*p.*
22	·73	·87	61·5	51·2	51·2	67·7	4·9	1·5	·393	·338	72	90	W 1	NE 1	5	5	·040	Fine day.
23	·89	·83	54·7	59·0	45·0	70·5	1·4	5·4	·388	·344	91	69	SW 1	W 4	10	10	·010	● showers.
24	·87	·76	61·0	56·5	51·3	65·9	5·6	2·9	·368	·374	69	82	SW 2	SW 2	5	10	·160	●⁰ showers. Dull from 4*p.*
25	·60	·78	58·2	53·8	51·6	62·3	5·6	4·8	·330	·290	68	70	NW 10	W 2	5	0	—	⁄ (gale) *n.* and till 1*p.*
26	·73	·54	60·0	50·5	43·6	66·3	5·6	1·1	·354	·339	68	92	SW 1	S 1	5	10	·090	Dull from 3*p.* ● 5*p.*—8*p.*
27	·39	·48	55·3	51·0	44·0	63·3	3·4	1·3	·345	·341	78	91	W 1	NE 1	10	10	·110	Distant T ● showers from 11*a.*
28	·62	·69	56·1	50·7	46·6	62·6	3·5	1·5	·354	·351	78	89	E 1	N 1	10	10	·060	● showers 10*a.*—5.30*p.*
29	·63	·41	61·5	54·5	47·3	64·9	5·7	4·3	·372	·311	68	73	SW 1	SE 6	5	10	—	Cloudy day.
30	29·18	29·21	54·5	51·8	47·7	60·1	2·3	1·1	·369	·356	84	92	SE 6	NE 10	10	10	·150	⁄ (gale) from 10*a.* ● showers from 7*p.*
Mean	29·689	29·689	56·8	53·2	47·9	63·2	3·9	2·4	·355	·343	76·8	84·3	2·5	2·6	8·5	8·4	3·000	

GLASGOW.—JUNE 1890.

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	29·68	29·60	51·4	49·0	43·3	56·7	4·1	2·3	·278	·290	74	84	W 2	W 1	10	8	·042	Cloudy, with ●⁰ showers.
2	·59	·39	52·0	53·7	43·3	55·2	3·5	0·6	·298	·396	77	96	W 1	SW 3	10	10	·455	Overcast, with ●².
3	·42	·16	53·7	52·3	51·0	56·6	0·6	1·2	·396	·360	96	92	SW 2	S 5	10	10	·260	Overcast, with squally ⁄ ●⁰.
4	·43	·54	54·0	55·0	51·8	62·9	3·7	3·7	·319	·333	76	77	W 2	S 1	10	9	·005	Squally *a.* Dull and cloudy.
5	·57	·57	55·2	55·7	52·9	62·9	2·0	2·5	·378	·373	87	85	S 2	S 1	10	10	·220	Dull and cloudy.
6	29·50	29·92	55·1	47·1	47·1	57·7	0·7	4·5	·413	·225	95	70	SW 1	W 1	10	2	—	Squally and sunny.
7	30·09	30·15	53·4	47·3	38·9	59·0	6·9	2·9	·244	·259	60	80	W 1	W 1	4	0	—	Sunny day.
8	29·97	29·70	55·7	52·5	38·3	59·7	7·5	0·8	·258	·373	58	95	E 1	SE 1	7	10	·600	Gloomy and overcast, with ●².
9	·66	·69	55·1	56·0	52·1	63·9	2·0	3·5	·377	·351	87	78	SW 2	S 1	10	10	—	
10	·57	·38	59·9	57·0	53·0	69·3	5·4	1·2	·357	·428	69	92	E 2	E 1	9	10	·190	Cloudy to overcast, with ●⁰.
11	·34	·42	55·6	51·2	50·9	58·2	2·5	1·0	·371	·351	85	93	E 1	NE 2	10	10	·075	Overcast, with ●⁰.
12	29·53	29·83	56·9	53·8	50·9	58·0	6·2	1·8	·299	·364	65	87	N 3	E 1	10	10	·010	Overcast, with squally ⁄ ●⁰
13	30·02	30·11	58·0	52·0	49·7	61·1	4·5	3·6	·355	·396	74	76	E 1	E 1	9	10	—	Dull and cloudy.
14	·15	·15	53·1	51·5	48·2	61·5	4·6	2·0	·287	·329	71	87	NE 1	SW 1	10	9	—	Dull and cloudy.
15	30·13	30·00	52·0	57·6	46·3	59·6	2·0	0·4	·335	·462	86	98	NE 1	SW 1	10	10	·213	Overcast, with ●⁰.
16	29·80	29·70	58·0	52·8	52·4	62·6	0·8	2·4	·457	·335	94	84	W 1	SW 1	10	9	·200	Cloudy, with ●² showers.
17	·59	·67	54·9	50·8	49·8	60·0	4·0	2·6	·324	·305	75	83	W 1	W 1	9	4	·020	Cloudy and squally, with ●⁰.
18	·75	·70	57·0	52·8	47·0	59·3	4·6	1·4	·338	·361	72	91	W 1	W 1	9	6	·360	Overcast, with ●².
19	·82	·73	58·9	54·0	49·9	61·4	5·6	1·5	·340	·374	68	90	W 1	SW 1	6	10	·013	Dull and cloudy. ●⁰.
20	·67	·77	54·7	51·8	51·8	61·7	3·2	2·7	·340	·316	79	82	SW 1	W 1	10	6	·232	Cloudy and squally.
21	·79	·78	54·7	52·9	49·9	61·8	3·0	0·7	·345	·381	80	95	SW 1	SW 1	10	10	·050	Cloudy day. ● in evening.
22	·79	·86	56·7	54·6	52·0	61·9	3·6	1·2	·358	·391	77	92	W 2	SW 1	10	6	·040	Dull and cloudy.
23	·88	·89	58·0	54·1	53·4	61·3	1·7	2·9	·430	·340	89	81	W 1	NW 1	10	10	·010	Gloomy and overcast. ●⁰.
24	·90	·71	56·7	53·4	50·7	61·8	4·6	1·4	·333	·369	72	90	W 1	S 1	8	10	·453	Cloudy, then overcast, with ●⁰.
25	·69	·83	54·7	50·4	50·4	60·7	4·6	3·2	·307	·286	71	79	W 1	W 1	8	3	—	Cloudy and squally.
26	·69	·53	56·6	52·8	42·7	60·0	6·9	1·4	·289	·361	61	91	SE 1	SW 1	6	8	·070	Cloudy, with ●⁰ showers.
27	·40	·49	51·6	50·2	46·0	61·4	2·1	2·4	·328	·303	86	84	S 1	W 1	7	2	·150	Cloudy day. T⁰ △⁰ ●⁰.
28	·60	·68	53·8	51·6	48·0	60·3	3·5	2·4	·322	·321	77	84	NE 1	NE 1	9	9	·015	Dull and threatening. T⁰ ●⁰.
29	·61	·36	57·2	53·5	47·2	62·5	5·3	4·3	·324	·299	69	73	SW 1	S 1	5	6	—	Sunny day.
30	29·04	29·14	55·7	51·9	51·1	56·4	5·5	2·4	·299	·324	68	84	E 3	NE 3	10	9	·280	Overcast, with ●⁰.
Mean	29·687	29·681	55·3	52·6	48·7	60·5	3·8	2·2	·336	·342	76·6	85·8	1·4	1·3	8·9	7·9	3·963	

WOLFELEE.—JUNE 1890.

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	29·27	29·14	52·0	47·0	37·0	56·0	5·4	2·4	·258	·266	67	83	W	W	—	—	—	Dull *a.* Fine and clear *p.*
2	·16	29·02	50·0	55·5	40·4	58·0	3·4	1·9	·278	·387	78	88	NW	W	—	—	·020	Dull *a.* Blowy, with ●⁰ *p.*
3	·03	28·88	55·0	50·5	48·4	57·5	1·9	0·9	·378	·344	88	93	SW	SW	—	—	·150	Dull and blowy *a.* ●*p.*
4	·01	29·14	55·5	50·0	47·4	57·8	2·4	1·4	·373	·324	85	90	SW	SW	—	—	—	Stormy in past *n.* Fine and clear *p.*
5	·15	·16	55·0	57·0	42·4	60·0	2·4	1·9	·365	·408	85	88	SW	SW	—	—	·120	Dull day.
6	·07	·42	58·0	47·0	44·8	62·0	2·4	0·9	·410	·301	85	94	SW	NE	—	—	·090	● showers *n.* and *p.*
7	·60	·68	54·0	45·0	35·0	64·0	6·9	1·4	·250	·266	60	89	N	W	—	—	—	Fine and clear.
8	·54	·31	57·0	52·0	30·0	60·5	7·9	1·4	·265	·351	57	90	S	S	—	—	·070	Fine and clear *a.* ● showers in after- [noon. Dull *p.*
9	·25	29·29	58·0	51·5	48·4	64·5	2·9	2·4	·396	·319	82	84	SW	SW	—	—	—	Dull *a.* Fine *p.*
10	29·18	28·98	61·0	56·0	45·4	67·5	5·9	2·9	·361	·368	68	82	S	S	—	—	—	Fine *a.* Dull and cloudy *p.*
11	28·92	28·93	54·0	50·0	47·4	71·0	1·4	0·8	·377	·339	90	94	S	SE	—	—	·090	● *a.* and *p.*
12	28·96	29·34	50·0	49·0	46·4	56·2	0·4	0·4	·350	·338	97	97	N	N	—	—	·840	● *a.* Dull, with ●⁰ *p.*
13	29·54	·66	48·5	48·0	45·4	53·5	0·9	0·9	·319	·312	93	94	NE	NE	—	—	·270	Dull and cold *a.* Fine *p.*
14	·68	·69	48·5	46·0	42·4	52·8	3·4	0·9	·261	·289	77	94	NE	NE	—	—	—	Dull and cold *a.* Fine *p.*
15	·65	·59	58·5	57·0	35·0	60·2	4·4	1·8	·363	·411	74	88	W	W	—	—	—	Fine day.
16	·43	·29	58·0	53·0	52·3	64·2	1·4	1·4	·439	·363	91	90	SW	SW	—	—	·280	Dull and blowy *a.* ● showers in [afternoon.
17	·17	·19	52·0	50·0	44·4	63·4	1·4	2·9	·351	·288	90	81	W	W	—	—	·010	● showers *a.* Fine *p.*
18	·30	·25	55·0	53·0	40·4	62·0	4·4	2·4	·316	·337	73	84	NW	NW	—	—	—	Fine *a.* Clear *p.*
19	·37	·35	56·0	53·0	47·4	61·5	4·9	2·4	·319	·337	71	84	NW	W	—	—	·240	Dull day.
20	·23	·35	59·0	48·0	48·0	66·0	4·9	2·4	·357	·276	72	83	W	W	—	—	·020	Cloudy *a.* Fine and clear *p.*
21	·33	·35	59·0	53·5	42·4	63·5	6·4	1·9	·321	·356	64	87	W	W	—	—	·020	Fine and blowy *a.* ●⁰*p.*
22	·33	·42	59·0	54·5	50·3	63·4	4·4	2·4	·370	·357	74	84	NW	W	—	—	·010	Fine *a.* and *p.*
23	·44	·42	61·0	56·0	41·4	68·4	2·4	2·4	·458	·381	86	85	W	W	—	—	—	Dull *a.* Fine *p.*
24	·46	·34	56·5	54·0	44·4	69·2	4·9	2·4	·324	·350	70	84	W	SW	—	—	·090	Cloudy *a.*
25	·25	·37	56·0	48·0	48·0	65·0	4·4	2·4	·331	·276	73	83	WNW	NW	—	—	—	Blowy and cloudy *a.* Fine *p.*
26	29·28	·13	58·0	52·5	34·0	65·0	4·4	1·9	·357	·344	74	87	N	SW	—	—	·090	Fine and clear *a.* ● showers *p.*
27	28·97	·08	51·5	47·5	45·4	69·0	2·9	0·4	·307	·318	81	97	SW	SW	—	—	·060	● showers *a.* ⁄ in afternoon. Fine *p.*
28	29·14	·22	49·5	45·0	40·4	63·4	1·4	1·4	·318	·266	90	89	NE	NE	—	—	—	Dull *a.* Fine *p.*
29	29·19	29·00	56·5	47·5	34·0	61·0	5·4	2·9	·312	·261	68	80	SW	W	—	—	—	Fine and clear.
30	28·67	28·64	52·4	50·5	42·4	66·0	3·3	0·9	·309	·344	79	93	SE	NE	—	—	·630	Dull, cold, and blowy *a.* ●*p.*
Mean	29·253	29·252	55·1	50·9	43·1	62·7	3·6	1·8	·340	·329	78·1	88·0	—	—	—	—	3·100	

SCARBOROUGH.—JUNE 1890.

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	29·78	29·61	52·9	52·3	40·7	63·0	4·1	0·7	·296	·373	74	95	W 3		SW 4		4	9	·010	Fine and bright. ● showers in [evening.
2	·66	·58	55·1	55·6	48·7	60·2	4·5	1·4	·315	·401	72	90	W 2		SW 5		8	10	·040	Cloudy and gusty.
3	·60	·56	56·6	54·7	53·8	60·7	1·7	0·3	·409	·364	88	85	SW 4		SW 6		10	10	—	Dull day.
4	·55	·61	57·8	59·6	52·6	67·5	1·6	1·4	·430	·464	89	91	SW 4		SW 1		9	2	—	Dull, then fine.
5	·68	·72	61·1	59·6	49·9	69·4	3·5	1·4	·427	·464	79	91	SW 3		SW 1		2	2	·120	Fine and warm.
6	29·61	29·84	55·0	48·6	47·8	63·2	0·5	1·0	·418	·317	97	93	SW 4		N 4		10	10	·060	Gusty, with ●.
7	30·07	30·19	52·0	49·4	45·3	57·2	3·0	2·2	·309	·297	80	85	N 3		SW 1		8	9	—	Fine day.
8	30·09	29·89	59·6	53·8	42·3	62·2	4·9	0·6	·366	·397	72	95	SW 3		S 3		1	10	·010	Brilliant *a.*, then dull, with ● showers.
9	29·78	·81	62·4	56·4	51·3	66·2	3·2	1·6	·456	·407	81	90	SW 3		SW 1		7	0	·010	Fine day.
10	·70	·51	64·9	56·1	50·6	65·9	4·2	0·4	·467	·437	77	97	E 1		SE 3		4	9	·440	Brilliant *a.*
11	·38	·34	52·8	52·6	51·5	58·5	0·4	0·4	·388	·385	97	97	SW 3		SW 3		10	10	·100	Overcast, with ●.
12	·42	29·74	55·8	53·1	50·3	60·0	1·4	0·4	·404	·393	91	97	S 3		NE 4		7	10	—	Sea ≋ *p.*
13	29·94	30·11	50·8	49·4	48·8	53·1	0·1	1·4	·369	·317	99	90	N 5		NW 6		10	5	—	≋ *a.*, then fine.
14	30·16	·22	53·6	47·4	46·8	56·7	2·9	1·2	·333	·298	80	91	NW 4		SW 2		5	0	—	Brilliant day.
15	30·21	30·10	58·6	59·6	41·3	61·2	3·9	1·4	·377	·464	77	91	SW 2		SW 1		2	2	—	Brilliant day.
16	29·96	29·83	65·3	55·2	55·2	70·8	2·3	0·4	·541	·424	86	98	SW 3		W 2		5	3	·010	● shower 6*p.*
17	·69	·67	58·4	53·7	53·7	63·8	3·2	1·1	·393	·381	80	92	W 2		W 3		8	3	—	Fine and bright.
18	·78	·69	60·6	59·6	47·9	68·7	4·9	0·2	·379	·503	73	98	W 2		SW 4		8	10	·080	Fine *a.* ● from 4*p.*
19	·82	·87	62·1	56·0	52·3	65·4	5·4	1·8	·389	·396	71	88	W 4		SW 2		5	10	—	Brilliant *a.* Overcast evening.
20	·75	·83	60·3	56·3	53·5	67·2	2·8	2·5	·433	·379	83	84	SW 5		W 2		9	1	—	Brilliant day.
21	·87	·89	61·2	54·8	49·3	65·4	5·0	1·6	·385	·382	72	89	SW 2		SW 2		5	8	·010	Very fine day.
22	·85	·88	58·6	58·6	52·1	67·2	1·6	1·6	·443	·443	90	90	SW 3		W 3		9	1	—	Dull day. Brilliant evening.
23	·95	·91	60·6	62·2	50·3	70·5	3·1	1·6	·430	·503	82	91	SE 2		SW 1		10	8	—	Bright early *a.*, then overcast and
24	·94	·90	64·6	57·6	54·3	67·2	8·6	2·4	·346	·403	57	84	W 2		SW 2		5	6	—	Brilliant *a.* [sultry.
25	·77	·85	61·9	55·6	53·8	65·2	2·4	0·4	·473	·430	86	97	SW 6		SW 2		5	8	·110	Fine *a.*, then ●.
26	·74	·61	54·6	53·7	52·3	57·0	0·4	0·0	·415	·413	97	100	NW 1		SW 1		10	6	·010	● showers.
27	·50	·58	55·0	52·4	50·3	61·2	2·4	1·4	·365	·356	85	91	SW 5		SW 3		7	2	·070	● showers.
28	·59	·63	58·1	50·6	44·3	60·0	3·4	0·6	·382	·353	79	96	NW 2		W 1		5	8	·270	Fine *a.* ◐ showers. T
29	·69	29·57	54·6	50·8	44·3	60·2	2·3	0·1	·362	·369	85	99	NW 2		SE 1		7	5	·060	● showers.
30	29·25	28·97	54·6	53·3	49·8	55·2	1·6	0·1	·379	·404	89	99	S 5		SE 3		9	10	·780	Constant ● from 9*a.*
Mean	29·759	29·748	58·0	54·6	49·5	63·0	3·0	1·1	·396	·397	82·3	92·5		3·1		2·6	6·8	6·2	2·190	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JUNE 1890.

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	29·85	29·73	54·6	50·6	39·0	57·2	5·0	1·4	·277	·332	66	90	NW 5–6	WSW 3	6	10	·076	Cloudy, with squally ◢ *a.* Dull *p.* ⌒
2	·73	·60	52·9	54·2	48·0	57·8	1·6	0·4	·356	·409	89	98	WSW 4	WSW 5	9	10	·498	● *a.* Dull day. Squally ◢ ● *p.*
3	·59	·38	52·8	52·8	52·8	50·8	55·7	0·6	0·8	·383	·377	95	94	SW 5	SSW 6–7	10	10	·037	●^{2} *a.* Dull, with squally ◢ ● [showers.
4	·55	·64	57·8	59·7	49·5	61·5	3·7	0·7	·372	·352	78	95	W 4	S 2	6	7	·110	Fine day. ● *n.*
5	·66	29·67	53·8	52·7	49·6	61·7	0·2	0·4	·409	·387	98	97	SW 4	SSW 4	10	10	·497	Overcast, with ● ≋^{0} (mist) *a.*
6	29·65	30·03	49·9	47·0	46·2	57·2	0·5	3·0	·346	·253	97	79	NNW 6–7	NNW 4	10	6	·015	Squally ◢ ● *a.* Fine afternoon.
7	30·18	30·21	53·4	46·0	39·5	59·2	3·6	1·2	·315	·283	77	92	NW 3	NW 2	4	4	—	Very fine. ⊃ *9p.*
8	29·99	29·78	52·0	52·0	35·7	52·8	1·8	0·0	·340	·388	87	100	SE 4	SSW 2	10	10	·510	Overcast, with ● ≋^{0} (mist). ≋ *9p.*
9	·78	·77	59·6	52·8	50·0	61·2	4·6	0·6	·373	·383	73	95	WSW 4	SSW 3	3	10	—	Cloudy day.
10	·59	·45	58·0	53·4	51·0	60·8	1·8	0·4	·427	·397	88	97	ESE 3	SSE 2	10	10	·562	Dull *a.* Overcast *p.* T ●^{2}
11	·37	·40	54·0	49·4	49·0	59·5	1·0	1·6	·388	·312	93	89	S 2	NE 1	10	4	·028	Fine day. ⊃^{2} *p.*
12	29·53	29·81	54·0	54·0	44·2	56·2	1·2	1·9	·382	·363	92	87	NNW 5	NE 4	10	10	·077	Dull, with ●.
13	30·04	30·15	57·8	54·0	50·8	61·9	3·4	1·8	·379	·366	79	87	NNE 5–6	WNW 2	2	7	—	Squally ◢ *a.* Fine day.
14	·19	·23	55·9	51·0	48·0	60·2	3·0	1·2	·364	·343	81	92	ENE 2	NW 1–2	10	5	—	Dull *a.* Fine afternoon.
15	30·21	30·13	54·6	56·2	45·0	62·8	0·4	0·5	·415	·437	97	97	SSW 2	Calm 0	0	10	·010	Dull, with ≋ *a.*
16	29·96	29·83	58·0	53·0	52·4	59·0	1·5	0·6	·436	·386	90	96	SW 3	WSW 4	10	8	·240	Dull, with ● *a.* ● *0.30p.—3p.*
17	·75	·80	57·8	50·2	49·2	61·0	3·6	1·2	·374	·332	78	92	W 5	NW 2	4	6	·001	Cloudy day.
18	·84	·84	55·3	54·2	46·3	60·6	0·5	2·0	·423	·364	97	86	SSW 2	WNW 4	10	7	·168	Dull, with ●.
19	·96	·86	57·8	53·0	50·5	61·7	3·0	0·2	·390	·397	81	99	WNW 4	SSW 3	7	10	·018	Dull day. ● from 7*p.* ≋^{0} (mist) *p.*
20	·82	·89	57·8	50·7	50·6	62·8	4·2	1·7	·359	·326	75	88	W 4	NW 1	8	3	·016	Fine day. ⊃ *9p.* ● shower *n.*
21	·91	·89	55·8	55·0	47·2	59·7	2·8	1·0	·367	·403	82	93	WSW 4	WSW 5	9	10	—	Cloudy day.
22	·91	·92	57·0	59·0	53·3	63·5	2·0	0·8	·405	·474	87	95	W 3	Calm 0	10	10	·021	Cloudy day. ● showers from 6*p.*
23	29·99	·99	60·4	57·1	55·8	64·8	1·2	0·8	·486	·442	93	94	NW 1	NW 1	9	7	—	Dull day.
24	30·02	·86	60·7	54·0	47·2	62·0	5·9	0·8	·356	·394	67	94	NW 3	SW 5	3	10	·072	Fine *a.* Dull afternoon. ● showers *p.*
25	29·84	·88	56·0	52·0	51·0	61·7	1·3	1·0	·411	·361	91	93	WNW 3	NE 2	10	6	—	Dull *a.* Fine afternoon.
26	·75	·64	60·8	51·0	42·0	63·8	5·8	0·7	·360	·356	68	95	SE 2	NW 3–4	0	9	·190	Very fine *a.* Cloudy *p.* ●^{2} *8p.—9p.*
27	·51	·61	53·7	50·9	47·2	61·0	3·8	1·0	·312	·347	76	93	W 5–6	NW 2	4	9	·468	Squally ◢ *a.* Fine, then ●^{2}.
28	·64	·70	49·6	51·0	47·0	57·7	0·8	1·2	·335	·343	95	92	NNW 1	NNE 2	10	7	·060	●^{2} till 10*a.* Cloudy, with ● showers.
29	·71	·48	59·0	53·2	45·3	59·7	4·8	1·8	·359	·355	72	88	NNW 2	WSW 5	3	8	·190	Fine day. Squally ◢ ● *n.*
30	29·00	29·04	53·0	52·9	51·0	60·5	0·5	1·8	·389	·351	97	88	ESE 5	N 3	10	10	·072	Squally ◢ ●^{2} *a.* Cloudy. ● *8p.*
Mean	29·783	29·774	55·8	52·5	47·7	60·2	2·5	1·1	·376	·367	84·6	92·5		3·6		2·8	7·2	8·1	3·936	

STONYHURST.—JUNE 1890.

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	29·60	29·47	53·6	51·4	40·8	57·3	4·7	1·2	·291	·346	71	91	W 3		WbyS 3		9	10	·061	Overcast, with ●^{0} *p.*
2	·50	·43	51·5	52·6	47·6	57·6	2·4	1·3	·319	·361	84	91	WbyS 1		swb.W 1		10	10	·738	Overcast, with ●.
3	·41	·37	54·6	54·0	51·1	57·9	2·1	4·4	·367	·301	87	72	swbyW 3		swbyS 4		10	10	·039	Overcast, with ● showers.
4	·34	·42	54·4	55·0	52·7	62·6	0·9	2·9	·398	·352	95	82	WbyS 3		Calm 0		10	10	·008	Overcast, with ● showers *a.*
5	·47	·51	57·4	56·2	50·3	63·2	3·7	2·2	·365	·388	77	86	SW 2		swb.W 1		10	10	·337	Overcast, with ●^{0} *a.* Cloudy *p.*
6	·37	·69	55·2	48·5	39·3	56·9	1·0	4·1	·407	·247	93	72	SW 2		NWb.W 4		10	4	·040	Overcast, with ● *a.* Cloudy *p.*
7	·90	·96	53·3	47·4	40·6	57·0	7·8	2·3	·227	·272	56	84	NWb.W 1		Calm 0		3	0	—	Sunny day.
8	·81	·62	57·0	51·1	38·1	60·6	6·9	1·4	·285	·340	61	90	S 3		S 1		9	8	·211	Overcast, with ● *p.*
9	·59	·59	54·4	53·2	49·9	63·0	1·3	3·3	·386	·318	92	78	swbyW 1		Calm 0		10	4	—	Overcast, with ● showers *a.*
10	·43	·25	63·2	54·1	53·9	68·6	6·4	0·9	·380	·393	65	93	SE 2		Calm 0		7	10	·575	≋≋. ℞ ●^{2} *4p.*
11	·17	·14	58·7	53·3	48·9	61·5	5·3	3·3	·344	·318	69	78	WSW 1		NWb.N 1		10	5	·090	Overcast, with ● showers *a.*
12	·23	·49	54·5	52·9	47·9	61·0	3·4	1·1	·332	·370	78	93	WbyN 1		NEbyN 2		10	5	—	Overcast and gloomy.
13	·75	·90	59·9	50·0	49·3	61·8	4·8	2·6	·373	·295	72	82	NEb.E 1		Calm 0		8	1	—	
14	·94	·97	55·1	52·2	48·8	62·5	4·5	2·4	·315	·328	72	84	Calm 0		Calm 0		5	1	—	≋≋^{0} (mist) *9a.*
15	·98	·92	61·3	59·5	47·6	66·4	5·8	2·3	·368	·435	68	86	WSW 1		W 1		6	2	—	Sunny *a.* Cloudy *p.*
16	·77	·64	61·0	54·6	54·1	64·7	3·5	0·7	·425	·407	80	95	swb.W 1		W 1		10	10	·278	Overcast. ● *p.*
17	·53	·54	54·2	53·1	52·6	59·5	2·8	2·0	·342	·349	81	86	W 3		W by S 1		9	10	—	Cloudy and squally *p.*
18	·62	·58	57·4	56·5	47·8	61·0	3·5	1·4	·370	·415	78	91	WbyN 2		WNW 2		10	10	·633	Overcast. ● *p.*
19	·69	·68	56·1	54·5	51·9	59·5	3·4	2·3	·357	·360	78	84	WSW 2		WSW 1		9	10	·131	Cloudy and overcast.
20	·58	·66	56·2	53·4	50·9	61·3	2·7	2·5	·375	·340	83	83	W 3		Calm 0		10	3	—	Overcast *a.* Sunny *p.*
21	·68	·69	58·6	55·2	50·0	61·8	5·0	3·6	·350	·363	71	84	WbyS 2		WbyS 1		9	10	·300	Cloudy *a.*
22	·68	·71	56·3	57·5	52·6	61·1	1·3	1·4	·415	·430	91	91	W byS 2		Calm 0		10	10	·030	●^{0} *a.* Overcast day.
23	·74	·75	60·8	58·5	55·9	62·5	1·4	1·4	·486	·446	91	91	WSW 2		WbyN 1		7	10	·036	Overcast, with ●^{0} *a.* and *p.*
24	·78	·67	58·4	55·6	51·7	62·5	5·2	2·8	·342	·365	70	82	swb. W 2		Calm 0		4	10	·009	Sunny *a.* Overcast *p.*
25	·60	·65	57·9	54·1	51·8	60·1	1·8	1·6	·425	·373	89	89	WbyN 3		Calm 0		10	10	·013	Overcast, with ●^{0}. ⌒^{0} *8p.*
26	·51	·41	55·0	55·3	49·6	65·1	3·5	3·4	·337	·345	78	78	W 1		Calm 0		10	5	·230	Overcast and cloudy, then sunny.
27	·31	·35	54·5	50·0	48·2	58·0	3·3	2·5	·334	·398	78	83	W 3		NNE 1		9	1	·255	●^{0} showers *a.* Cloudy and squally *p.*
28	·38	·42	54·6	51·9	46·8	59·9	3·2	3·5	·339	·299	79	77	Calm 0		swb.W 1		8	10	·010	● *a.* Overcast and cloudy. T in
29	29·48	29·30	57·9	52·3	44·0	60·9	5·9	3·3	·319	·307	66	78	W 1		Calm 0		6	10	·180	[afternoon.
30	28·88	28·75	52·3	51·5	50·1	55·1	2·0	0·7	·339	·362	86	95	WSW 3		NEbyN 1		10	10	·275	● showers *a.*
Mean	29·557	29·547	56·5	53·5	48·8	61·0	3·7	2·3	·357	·351	78·0	85·0		1·8		0·9	8·6	7·3	4·479	Overcast, with ●.

HILLINGTON.—JUNE 1890.

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	29·93	29·77	55·0	51·9	35·3	63·4	5·4	2·5	·293	·322	68	84	NW 3	WNW 1	7	9	·050	●^{2} showers *p.*
2	·79	·78	56·5	53·4	50·5	64·5	6·0	2·7	·298	·335	66	82	NW 3	W 1	6	3	—	Much cir. *p.*
3	·80	·74	57·6	54·1	50·4	64·1	3·9	4·5	·364	·302	77	72	SW 4	SW 4	10	10	·018	Mackerel sky 7*p.* ● 11*p.* Much cir.
4	·72	·74	58·1	56·9	52·1	60·0	3·3	0·3	·385	·454	79	98	SW 4	SSW 0·5	10	10	·020	Overcast all day. ∞ *4p.*
5	·83	·87	59·0	56·8	52·3	65·4	2·3	2·2	·427	·397	86	86	SW 3	SW 3	10	10	·035	
6	29·75	29·90	56·0	52·1	52·1	65·7	1·4	3·4	·407	·302	91	77	SW 3	NW 5	10	10	·276	℞ ●^{2} 2.30*p.*
7	30·16	30·26	54·2	44·3	44·3	62·5	5·3	1·2	·285	·264	68	91	NNW 3	NE 1	6	7	—	⊃ *9p.*
8	30·19	30·01	59·8	53·1	35·9	65·5	8·9	4·4	·278	·292	55	72	SE 3	S 3	7	10	·005	Fine and sunny *a.* Afternoon overcast.
9	29·92	29·92	64·0	52·0	51·1	68·8	6·5	0·9	·389	·364	65	94	SW 4	W 1	6	4	—	Fine and sunny. ⊃ *9p.*
10	·77	·58	69·5	58·5	44·1	74·5	7·9	0·3	·439	·480	60	98	SE 1	SE 2	3	10	·452	Fine and sunny *a.* ℞ 2.30*p.* ● [6*p.*—11*p.*
11	·54	·47	58·0	52·5	50·6	68·0	3·3	0·8	·384	·373	80	94	SW 3	SW 2	8	10	·193	
12	29·53	29·73	58·8	52·5	47·9	67·7	3·0	0·2	·404	·389	82	98	S 1	S 1	7	4	·172	Distant T in SW 3*p.*
13	30·01	30·12	52·2	50·2	49·9	58·6	0·4	1·2	·379	·331	98	92	NE 3	NE 4	10	10	—	Overcast all day.
14	·24	·28	51·2	45·4	45·2	55·6	3·0	0·8	·301	·285	80	95	NE 2	NNE 1	10	7	—	
15	·30	30·20	54·3	58·1	44·1	68·1	3·9	3·0	·318	·394	75	81	N 1	SW 3	10	10	·097	⊃ *9p.*
16	30·09	29·98	69·5	60·5	53·6	72·5	5·0	1·9	·529	·464	74	89	SW 3	S 1	6	8	·038	● early *a.* Fine, sunny, and hot.
17	29·85	·78	56·8	51·2	51·2	63·2	1·6	1·3	·413	·343	89	91	SW 3	SW 1	10	4	·167	● showers *a.* Fair *p.*
18	·93	29·81	61·0	60·2	45·1	69·0	5·1	0·6	·379	·501	72	97	NW 3	NW 2	5	10	·008	Fine *a.* ● *7p.*
19	29·97	30·02	61·0	57·0	53·1	65·6	2·9	0·8	·443	·441	83	94	NW 4	NW 1	6	10	—	⊃ *9p.*
20	30·00	29·94	59·5	54·4	51·7	68·8	2·7	1·0	·424	·394	84	94	SW 2	NW 1	10	9	—	⊃ *9p.*
21	29·99	30·01	63·0	55·0	43·3	66·1	4·5	0·4	·428	·421	75	97	NW 3	W 1	8	10	·010	Cloudy day.
22	29·99	·00	58·8	57·6	47·1	66·4	1·9	0·9	·436	·447	88	94	W 4	W 2	10	7	—	Overcast and very gloomy.
23	30·05	·04	65·0	61·1	48·0	69·6	3·4	1·8	·496	·477	81	89	SW 2	W 1	9	10	·018	Gloomy and sultry.
24	30·05	30·02	63·0	57·5	53·5	72·5	4·9	2·8	·416	·391	73	82	W 3	SE 2	6	5	—	Fine and sunny.
25	29·95	29·94	63·8	60·0	51·9	74·4	5·0	2·4	·427	·439	72	86	SW 5	NE 1	6	10	·267	Fine and sunny. ◢ 7*p.* ● 10*p.*
26	·81	·69	60·0	58·9	57·2	70·2	1·2	1·3	·477	·456	93	92	SW 1	SW 0·5	10	6	·026	[Much cir.
27	·64	·66	60·1	54·2	49·8	66·1	5·4	4·4	·360	·305	70	72	WNW 5	WNW 4	5	6	·010	● 4*a.*—noon and 5*p.*
28	·69	·66	60·2	50·1	42·0	63·4	5·3	0·5	·364	·349	70	96	SW 1	E 0·5	9	10	·608	Much cir. *a.*, with magnificent cum.
29	·76	·69	56·8	52·7	48·9	67·5	4·1	1·1	·346	·367	75	92	NE 2	S 1	10	9	·068	℞ *p.* ●^{2} 6*p.* and from 11*p.*
30	29·34	29·04	54·5	53·0	48·5	59·4	2·6	0·3	·353	·394	82	98	S 5	S 1	10	8	·287	●^{2} till 5*a.*
Mean	29·886	29·853	59·2	54·5	48·4	66·2	4·0	1·7	·388	·382	77·0	89·2		2·9		1·8	8·0	8·2	2·825	● early *a.* Blustering. ●^{2} *p.*

CHURCHSTOKE.—JUNE 1890.

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.		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	29·47	29·36	50·3	51·9	37·2	60·3	5·9	0·9	·298	·362	66	94	NW 3	W 2	8	10	—	☾ a.
2	·36	·33	53·9	53·1	49·9	60·1	3·9	1·7	·313	·357	75	88	SW 2	SW 2	8	10	—	☾ a. Cloudy day.
3	·29	·11	53·9	52·9	51·0	57·3	3·1	1·9	·333	·349	80	87	SW 2	SW 8	9	10	—	☾ a. Dull day.
4	·18	·28	60·0	51·4	49·0	69·7	3·8	2·4	·401	·317	77	84	SW 3	SW 2	10	4	—	☾ a.
5	·32	·36	58·2	54·9	48·9	64·9	3·0	2·7	·396	·356	81	82	SW 2	W 2	10	10	·036	Threatening appearance.
6	·25	·59	56·5	44·8	43·8	60·1	2·1	2·9	·396	·233	86	79	W 3	NW 2	10	2	—	☾ a. Dull day.
7	·71	·80	54·1	40·3	38·9	60·3	2·3	1·9	·355	·212	84	85	NNW 2	NNW 1	8	0	—	☾ a.
8	·59	·34	50·9	53·9	35·0	54·3	1·1	1·4	·344	·375	93	91	SE 2	SW 1	10	6	·100	Dull a., with steady ●.
9	·43	·36	60·0	51·1	50·0	63·3	6·0	1·1	·344	·346	66	92	SW 2	SW 1	9	6	—	
10	·15	29·98	61·4	48·9	47·1	64·1	4·0	0·9	·416	·323	77	94	SW 2	SE 1	8	1	·270	●² p.
11	·00	28·95	56·3	49·7	45·8	61·3	3·3	0·9	·360	·333	79	94	SW 2	SW 1	8	8	·150	●².
12	·07	29·33	56·4	50·9	45·4	57·7	3·0	0·4	·369	·362	81	98	NW 2	SW 1	10	10	·074	Cloudy, dull, and close.
13	·57	·72	54·7	54·1	50·0	65·1	2·9	1·3	·348	·381	81	91	NNW 1	NNE 1	10	10	—	☾ all day.
14	·76	·82	59·0	47·7	45·6	66·9	5·0	1·0	·355	·306	71	93	WNW 3	NW 1	9	0	—	☾ a. Bright and breezy.
15	·80	·73	60·0	54·7	42·2	71·1	5·0	1·2	·369	·393	71	93	NW 2	W 1	4	5	—	☾ a. Bright and hot. Cooler in evening.
16	·63	·46	62·0	53·9	51·2	64·7	3·3	1·1	·446	·384	81	93	W 2	SW 4	9	10	·202	Cloudy and breezy.
17	·40	·41	55·9	46·3	46·0	61·1	3·9	0·4	·339	·304	76	97	WNW 2	W 1	10	1	—	Dull and cloudy.
18	·49	·47	57·5	53·9	43·4	65·9	3·6	0·9	·370	·419	78	94	WSW 2	WSW 2	8	10	·020	Cloudy and squally.
19	·55	·52	57·8	52·9	51·1	65·9	4·4	2·9	·351	·324	74	81	W 2	SW 2	10	10	—	☾ a. Breezy, warm, and cloudy.
20	·44	·44	60·0	48·9	47·0	68·8	5·4	0·9	·358	·323	69	94	WSW 2	SE 1	10	10	—	☾ a. Breezy and warm.
21	·52	·55	60·0	51·9	47·6	63·7	7·0	0·9	·321	·362	62	94	W 1	WSW 2	10	8	·010	
22	·51	·54	58·1	58·0	47·8	63·9	1·9	1·0	·328	·451	87	93	W 2	W 1	10	10	—	☾ a. Cloudy and squally.
23	·60	·61	61·8	59·8	57·0	68·1	2·9	1·9	·456	·453	83	88	W 2	W 1	9	10	—	☾ a.
24	·62	·51	59·4	52·7	52·1	69·7	4·0	1·7	·385	·352	76	88	WNW 2	W 1	8	10	—	☾ a.
25	·45	·42	63·0	56·9	51·0	65·9	3·1	0·9	·469	·436	82	94	SW 3	SW 1	9	10	·100	Steady ● p.
26	·31	·26	62·0	52·9	50·6	70·0	3·1	1·9	·453	·349	82	87	WSW 2	W 1	8	6	·064	Bright day.
27	·18	·21	56·3	48·9	46·8	60·9	5·8	1·1	·301	·318	67	93	W 2	W 2	8	5	—	
28	·20	·26	54·4	47·3	45·4	60·9	3·2	0·6	·336	·311	79	96	W 1	WNW 2	8	8	·428	Distant T ●².
29	29·32	29·05	55·9	51·3	46·8	65·3	4·1	2·3	·334	·318	75	84	NW 2	SSW 2	8	8	·102	Fine, breezy, bright, and hot.
30	28·64	28·62	52·9	45·0	43·8	59·6	0·9	0·7	·375	·283	94	94	SE 3	W 1	10	6	·232	●². Bright p.
Mean	29·393	29·382	57·5	51·4	46·7	63·7	3·7	1·4	·369	·346	77·8	90·5	2·1	1·7	8·9	7·1	1·788	

CARMARTHEN.—JUNE 1890.

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	29·89	29·77	59·0	53·4	35·5	61·6	9·6	2·7	·257	·335	51	82	W 1	W 1	8	7	—	
2	·77	·73	54·7	53·9	51·4	59·2	3·6	2·0	·330	·360	77	87	W 3	SW 4	10	10	·010	Dull day.
3	·68	·52	55·3	53·7	51·4	59·0	2·9	0·2	·356	·407	81	99	SW 3	SW 5	10	10	·460	Fair a. Overcast, with ● from 5.30 p.
4	·55	·65	59·2	52·3	52·0	61·0	2·2	0·9	·433	·367	87	94	S 1	SW 1	8	10	·170	Dull day.
5	·69	·74	56·5	54·1	51·3	58·7	0·1	0·7	·454	·399	99	95	SW 3	S 3	10	10	·520	Frequent ● showers.
6	29·67	29·98	56·7	47·8	47·6	59·2	1·3	3·0	·421	·262	92	80	W 2	NW 2	10	0	·020	Fine p.
7	30·14	30·14	59·8	50·2	37·5	63·8	7·4	4·2	·308	·263	61	73	SW 1	N 1	3	0	·140	Very fine.
8	29·97	29·82	49·7	53·1	43·6	56·3	0·8	0·7	·335	·384	94	95	SE 3	SW 1	10	5	·280	Overcast. ● till 7 p.
9	·82	·72	58·0	53·9	52·0	63·4	3·1	1·5	·389	·373	81	90	SW 3	Calm 0	8	8	—	
10	·51	·43	57·5	54·1	51·2	59·2	2·3	1·1	·404	·386	85	92	S 1	SW 3	10	10	·240	Dull, with ●.
11	·39	·30	57·8	52·7	50·8	60·2	3·4	0·7	·378	·378	79	95	SW 3	SW 1	8	8	·160	Frequent ● showers.
12	·47	29·64	57·3	54·2	47·6	62·8	3·5	1·8	·373	·369	79	88	N 2	NW 1	8	10	—	Dull day.
13	29·93	30·06	64·8	54·9	50·3	69·2	8·2	2·1	·358	·371	58	87	N 2	N 1	5	0	—	Very fine.
14	30·17	·19	62·6	54·7	47·2	68·4	5·3	1·8	·399	·375	71	88	Calm 0	Calm 0	7	0	—	Very fine.
15	·19	30·14	58·8	56·5	51·0	64·4	2·4	0·9	·421	·428	85	94	Calm 0	W 1	10	10	—	Dull, with ≋ (mist). [showers.
16	30·05	29·88	55·7	54·5	53·6	59·2	0·3	0·3	·434	·416	98	97	SW 1	SW 2	10	10	·250	Dull, with ≋ (mist) and frequent ●
17	29·80	·79	61·1	51·5	50·8	62·1	6·4	0·5	·349	·367	66	96	W 2	N 1	5	1	·180	Overcast, with ● nearly all day.
18	·88	·88	57·3	56·7	50·0	63·2	1·3	0·8	·430	·436	91	95	SW 1	W 2	10	10	·040	Frequent ● showers.
19	·98	·93	64·6	54·7	50·1	68·0	8·2	2·1	·356	·369	59	86	NW 1	SW 2	8	10	·040	Fine day.
20	·86	·89	59·8	53·1	52·8	66·2	2·5	1·9	·434	·352	85	86	W 2	NW 1	8	1	—	Fine day.
21	·92	·94	61·3	53·9	48·8	66·2	4·5	1·7	·401	·367	74	88	NW 1	W 2	9	9	·170	
22	29·95	29·92	61·8	58·0	53·4	64·4	4·5	0·5	·410	·467	75	97	W 3	W 1	10	10	·050	Dull day. ●⁰ from 6p.
23	30·01	30·00	62·8	56·7	56·4	68·6	3·0	0·3	·469	·451	83	98	W 1	SW 1	10	10	—	≋ 9p.
24	29·99	29·03	65·0	55·2	54·8	68·7	7·3	2·3	·384	·370	62	85	NW 1	SW 2	5	10	·070	Fine day.
25	·86	·81	59·8	57·0	54·8	61·0	2·0	0·4	·449	·453	88	97	SW 2	SW 1	10	10	·210	Dull, with frequent ● showers.
26	·69	·67	60·8	54·7	54·4	70·7	0·3	1·9	·522	·373	98	88	W 1	NW 1	10	0	·070	Overcast, with ● a. Fine p.
27	·61	·62	59·8	52·7	47·9	62·0	7·6	2·1	·305	·342	60	85	NW 5	W 1	7	8	·020	● showers all day. ◠ 7p.
28	·59	·64	67·4	49·2	48·7	62·1	3·6	2·0	·367	·299	78	86	SW 1	Calm 0	8	1	·100	● showers.
29	·70	29·49	62·3	53·2	44·1	65·2	8·4	1·3	·319	·369	57	91	W 2	SW 3	6	10	·550	Fine a. ● from 8p.
30	29·01	28·96	59·8	49·7	49·7	62·0	4·4	1·3	·382	·323	74	91	SW 4	W 1	6	6	·130	Frequent ● showers.
Mean	29·790	29·772	59·2	53·7	49·7	63·3	4·0	1·5	·388	·374	77·6	90·2	1·9	1·5	8·2	6·8	3·880	

MARGATE.—JUNE 1890.

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. 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	29·86	51·4	54·1	39·0	62·9	4·3	5·0	·273	·290	73	70	SW 2	SW 3	7	10	—	Sunny, but cool.
2	·83	·87	58·8	56·7	50·3	65·7	4·5	3·7	·364	·356	74	77	W 3	SW 2	9	0	—	Very fine day.
3	·91	·86	55·9	51·9	46·1	62·0	4·4	2·0	·325	·333	73	87	SW 3	SSW 2	10	9	—	Fine day.
4	·80	·80	59·9	57·2	51·0	62·0	6·0	0·3	·343	·459	67	98	SW 3	S 3	10	10	·240	● from noon.
5	·92	·97	56·5	54·9	53·0	64·3	1·8	1·2	·404	·396	88	93	SSW 4	SSW 3	10	10	·010	
6	29·84	29·93	58·0	58·1	52·1	67·0	2·2	3·1	·415	·391	86	80	S 4	W 4	10	9	—	Dull day.
7	30·17	30·28	56·0	49·9	49·1	60·6	5·5	2·5	·303	·297	68	84	E 2	E 2	8	0	—	Fine day. Lovely sunset.
8	30·22	30·09	58·0	51·9	47·1	61·1	4·5	1·1	·355	·357	74	93	S 1	S 1	4	10	·100	● from 6p.
9	29·99	29·95	57·8	51·9	51·1	66·1	1·8	0·9	·424	·364	88	94	SSW 1	S 1	10	0	—	Dull till noon, then fine.
10	·79	·61	65·0	58·0	46·6	69·8	5·0	1·0	·447	·451	73	93	S 1	SSW 2	0	10	·170	● from 5p.
11	·59	·54	58·8	52·1	49·0	63·1	3·8	2·1	·382	·334	77	85	SW 4	SW 3	8	9	·020	◠ 7p.
12	·53	29·70	59·7	53·6	50·0	62·0	4·8	1·1	·369	·379	72	93	SSW 1	S 2	9	10	·170	● showers.
13	29·87	30·12	55·0	52·9	50·0	57·0	0·5	2·3	·418	·339	97	85	N 2	N 3	10	10	·040	● showers.
14	30·23	·29	53·0	57·1	51·4	58·0	4·9	8·0	·279	·264	70	57	E 1	Calm 0	10	10	—	Dull day.
15	·30	·27	55·7	51·1	49·0	59·0	4·9	1·8	·313	·329	70	87	N 2	E 1	7	10	—	Very fine.
16	·18	30·04	62·0	55·2	48·0	70·1	3·1	3·4	·453	·342	82	79	S 2	S 3	9	6	—	Fine day.
17	30·02	29·88	55·8	53·7	50·5	60·4	1·2	0·7	·410	·393	92	95	SSW 3	SW 2	10	10	·140	Dull day. ●² in evening.
18	29·99	29·95	57·7	58·0	53·2	67·1	3·5	0·8	·375	·457	78	94	SW 3	SW 3	5	10	·050	Fine a. and p. ● in evening.
19	30·00	30·04	61·0	57·1	56·4	65·1	5·2	2·9	·377	·382	71	81	SW 2	Calm 0	9	5	—	Fine and warm.
20	29·99	29·97	57·0	56·4	51·6	66·4	3·1	1·8	·374	·401	80	89	SW 3	SW 2	10	1	—	Fine day.
21	30·02	30·04	60·8	58·1	53·1	67·5	5·2	1·2	·374	·446	71	91	NW 1	Calm 0	4	10	·040	Fine a. and p. Dull in evening.
22	·05	·04	62·4	58·0	51·8	64·8	5·6	0·3	·388	·472	69	98	NW 1	W 2	8	10	—	Fine a. Overcast p.
23	·07	·09	63·2	62·0	56·2	68·2	0·7	0·7	·554	·531	96	96	NW 2	W 2	10	9	—	
24	·07	30·05	64·2	57·0	56·2	70·8	3·3	0·2	·483	·459	81	99	N 2	W 1	10	0	—	Hot day. ≋ in evening.
25	30·02	29·99	64·2	60·7	53·1	73·0	4·2	3·0	·457	·434	76	82	SW 3	SW 1	0	8	—	Very warm day. Cloudy evening.
26	29·86	·76	63·0	57·1	56·1	64·0	4·0	0·5	·443	·451	77	96	SW 1	SW 3	10	0	—	
27	·72	·72	63·0	55·0	52·1	65·7	7·0	1·8	·364	·379	68	88	SW 1	SW 2	5	2	·080	Fine day.
28	·74	·70	61·6	52·6	47·0	64·6	7·6	1·0	·329	·369	60	93	SW 2	SW 3	6	8	·060	Fine a. and p. ● in evening.
29	·79	·75	57·0	51·8	47·2	63·5	4·2	1·3	·346	·351	74	91	SW 3	SW 2	6	0	·020	Fine day.
30	29·40	29·12	53·9	53·1	45·9	56·2	1·1	1·7	·384	·357	93	88	SW 3	SW 4	10	8	·116	●² 9a.
Mean	29·928	29·910	58·9	55·2	50·4	64·3	3·9	1·9	·384	·385	77·1	87·9	2·2	2·1	7·8	6·8	1·750	

SOUTHAMPTON.—JUNE 1890.

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	30·03	29·92	61·0	52·0	38·8	66·0	9·0	3·1	·289	·308	54	79	W 1	W 1·5	1	1	—	Beautiful day.
2	29·90	·91	61·0	55·0	48·9	66·4	4·9	2·1	·386	·372	73	86	WNW 3	SW 1·5	10	10	—	
3	·92	·85	56·9	55·9	51·4	60·5	5·3	3·7	·319	·346	68	77	SW 3·5	SW 3	10	10	·160	● 9p.
4	·77	·82	55·1	56·6	53·8	58·6	0·4	0·7	·423	·438	97	95	SW 3	SW 1·5	10	10	·380	● till 6p.
5	·92	29·98	56·8	55·7	52·6	65·4	0·8	1·2	·437	·410	94	93	SW 3	SW 2	10	10	·017	
6	29·84	30·05	57·5	54·7	53·8	68·0	0·7	3·8	·452	·326	96	76	SW 2·5	NW 2·5	10	9	—	Fine and pleasant.
7	30·24	·27	60·0	55·5	42·3	68·7	8·0	3·3	·299	·349	58	79	NNW 2·5	SW 1	0	1	—	Beautiful day.
8	·20	30·04	58·8	54·3	44·6	59·3	5·1	0·4	·350	·411	71	97	SW 3	SSW 3	10	10	·200	●⁰ showers till 2p. ● from 2·30p.
9	30·00	29·94	65·6	55·2	53·8	66·4	6·8	2·3	·466	·370	65	85	SW 1·5	SW 0·5	8	1	—	Beautiful day.
10	29·70	·66	62·5	53·4	48·5	62·7	4·2	0·7	·429	·388	76	95	SE 3	WSW 2	10	7	·390	● 10a.—3p.
11	·60	·55	58·7	54·5	52·3	59·5	2·8	1·8	·409	·374	82	88	SW 3	SW 3	8	10	·060	Frequent ● showers.
12	·52	29·73	61·0	55·6	51·8	67·3	4·1	2·0	·407	·386	77	87	ESE 1	NW 1	10	9	·010	Fine day. ☾ n.
13	29·97	30·18	58·3	56·4	51·8	65·2	3·4	2·5	·386	·382	79	84	NE 3	NE 0·5	10	1	—	Fine and pleasant. ☾⁰ n.
14	30·29	·29	62·7	56·2	46·9	69·1	7·0	2·1	·358	·391	64	87	NE 1	SW 1·5	0	1	—	Beautiful day.
15	·31	·26	65·9	60·1	50·1	72·7	6·4	1·9	·422	·458	67	88	NW 2	SW 0·5	4	4	—	Beautiful day.
16	30·20	30·07	58·9	55·5	52·9	68·2	2·0	1·7	·435	·392	87	89	SW 2	SW 2	10	10	·074	☾ a. Beautiful day.
17	29·97	29·93	56·6	53·8	53·3	63·2	1·4	0·7	·417	·395	90	95	SW 2	WSW 1	10	10	·070	● showers.
18	30·04	30·03	54·5	61·9	50·1	66·7	1·2	1·1	·300	·516	92	94	W 1	WNW 1·5	10	10	·010	Dull and cool a.
19	·08	·10	64·9	58·6	55·1	70·4	6·3	2·4	·409	·419	66	85	NW 3	SW 1	10	5	—	Beautiful day.
20	·04	·01	58·7	57·9	50·9	67·4	4·7	1·3	·358	·441	72	92	W 2	SW 1	9	1	—	Beautiful day. ☾ n.
21	·04	·07	65·7	57·7	49·0	70·8	6·3	4·0	·422	·363	67	76	E 1·5	NW 1·5	1	2	·102	Beautiful a. ●⁰ 5p.—6p.
22	·10	·10	56·8	59·2	50·9	66·0	0·8	2·1	·437	·436	94	88	SW 1·5	SW 1	10	9	·017	●⁰ showers. [☾ n.
23	·10	·12	65·0	62·9	57·9	71·1	3·0	2·1	·510	·501	83	88	NW 1·5	NW 1·5	10	0	—	Day dull and very close. Evening clear.
24	·11	30·08	62·1	59·3	55·8	75·2	2·1	1·6	·486	·454	87	90	NW 1·5	SW 1·5	10	0	—	☾☾ a. and p. Beautiful day.
25	30·05	29·99	63·5	58·5	53·5	71·1	3·1	1·8	·480	·435	80	88	SW 1·5	SW 1	9	10	·145	☾ a. Beautiful day.
26	29·87	·81	58·9	57·7	56·8	64·8	0·7	2·1	·475	·414	96	87	SSW 1	NW 1·5	10	0	·112	● 4a.—11·30a. Evening fine and [pleasant.
27	·78	·77	60·5	56·8	49·1	67·4	5·8	4·2	·357	·345	68	75	NW 3	W 1	10	1	·090	Beautiful day. ●² shower 1p.
28	·77	·75	56·9	51·0	48·2	64·8	3·6	0·5	·360	·361	78	97	SW 2·5	W 1·5	9	10	·428	●² showers a, and p
29	·86	·76	62·0	55·7	45·0	67·8	5·7	2·2	·380	·382	69	86	NW 1·5	SW 2	7	10	·350	Beautiful day throughout.
30	29·24	29·12	57·1	51·8	51·5	65·7	0·2	1·7	·461	·341	98	88	SW 3	SW 2	10	8	·116	● till noon. ●² showers from 7p.
Mean	29·948	29·938	60·1	56·3	50·7	66·5	3·9	2·0	·405	·397	78·3	87·1	2·2	1·5	8·2	6·0	2·732	

BABBACOMBE.—JUNE 1890.

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	29·81	29·72	58·0	54·0	42·8	63·6	5·3	2·1	·334	·358	70	85	ENE 1	W 2	2	9	—	☾ *n.* ☽^{0} till 11*a.*
2	·70	·71	56·3	53·1	53·0	61·9	4·1	3·2	·340	·319	74	78	W 2	SW 2	9	9	—	
3	·67	·54	55·9	52·9	51·5	58·6	4·6	0·4	·323	·389	72	98	SW 3	SSW 5	10	10	·080	● *a.* Dull day. [showers till 2*p.* ☂ *p.*
4	·49	·58	56·4	53·7	52·9	64·4	0·4	0·5	·443	·399	97	96	SW 2	SW 4	10	10	·080	≋^{0} (mist) *a.* and *p.* Dull, with ●
5	·67	·75	59·7	54·1	52·4	61·2	2·6	0·9	·430	·393	85	93	WSW 4	SW 4	9	10	·120	● showers 11*a.*—11*p.* ●^{2} 10*p.*
6	29·62	29·88	59·9	50·0	50·0	64·1	2·4	2·8	·439	·299	86	81	W 5	NW 2	8	1	—	☂ *p.*
7	30·03	30·04	60·0	51·8	44·2	63·6	6·7	3·1	·328	·305	63	79	ENE 2	W 2	1	2	·020	☂ *n.* and *p.* Fine day.
8	29·93	29·78	52·5	54·8	48·1	54·8	2·5	0·1	·328	·427	83	99	SSE 2	WSW 2	10	10	·150	● *a.* and *p.* Scotch ≋^{0} 9*p.*
9	·77	·69	61·1	51·1	47·5	64·6	3·5	1·1	·427	·346	79	92	SW 3	SSW 1	7	3	—	☂ *n.* ⊕ 8*p.* ☂^{2} *p.*
10	·45	·42	54·8	53·8	51·1	61·8	0·8	1·3	·406	·377	94	91	SSW 2	SW 3	10	8	·110	Scotch ≋ 9*a.* Dull till 2*p.*
11	·37	·30	55·8	51·5	51·2	60·4	2·8	0·7	·366	·362	82	95	W 3	WSW 4	10	6	·310	●^{2} ▲^{0} 9*a.* ●^{2} showers *p.*
12	·33	·56	59·1	54·1	50·0	64·8	4·2	2·4	·377	·352	75	83	NNW 3	NW 3	9	9	—	
13	29·78	29·95	55·9	57·3	51·6	68·0	3·0	2·0	·362	·410	81	87	NB 3	NNW 3	5	1	—	☾ ☂^{0} *p.*
14	30·08	30·09	57·5	54·2	54·2	65·6	2·6	1·3	·395	·382	83	91	ENE 1	WSW 1	9	2	—	☾ *n.* ≋^{0} (mist). ☂^{2} *p.*
15	30·10	30·04	58·0	56·0	49·4	68·5	3·5	2·0	·393	·389	78	87	E 2	NW 2	4	1	—	☾ ☂^{2} *n.* ≋^{0} (mist) till 7*p.* ☂ *p.*
16	29·97	29·84	58·4	53·8	50·2	67·6	2·3	1·4	·418	·374	86	90	WSW 1	WSW 3	9	10	·050	⊕ noon—3*p.* ≋^{0} (mist).
17	·75	·67	57·3	54·8	52·4	61·8	3·0	0·3	·381	·421	81	98	WSW 1	WSW 1	9	9	·060	Dull, with ● showers. ☂ ≋^{0} (mist)
18	·82	·84	61·8	58·0	53·3	69·0	3·0	2·8	·453	·399	83	82	NNW 1	WNW 2	10	7	·010	☂ *n.* and *p.* [*p.*
19	·89	·88	60·0	54·9	53·2	69·5	5·3	2·1	·361	·371	70	87	WNW 2	WSW 2	9	3	—	☂ *n.* and *p.* ⊕ 11*a.*—2*p.*
20	·81	·81	60·0	52·6	50·1	65·4	4·4	2·8	·384	·323	74	81	W 3	NNW 1	9	1	—	☂ *n.* and *p.*
21	·83	·88	62·8	55·0	49·1	68·8	4·8	3·2	·416	·344	73	80	ENE 1	WNW 1	2	4	—	☂ *n.* and *p.* ⊕ 11*a.* and 1*p.*
22	·88	·90	60·6	59·0	53·0	70·3	3·0	1·6	·433	·449	83	90	W 3	W 3	9	10	—	Dull *a.*
23	·92	·93	60·8	58·7	58·0	70·5	2·0	1·8	·467	·437	88	87	NNW 1	WNW 1	10	1	—	Dull till 1*p.* ☂ *p.*
24	·91	·85	66·7	59·3	52·4	73·5	5·7	1·7	·456	·451	69	90	N 1	WSW 3	3	1	—	≋ early *a.* ☂ *n.* and *p.* Fine day.
25	·80	·76	64·7	57·9	54·1	73·2	4·6	1·8	·454	·425	75	89	NE 2	SW 2	1	10	·420	☂ *n.* ⊕ 3*p.* ≋^{0} (mist) *p.*
26	·64	·64	58·4	53·8	53·8	68·7	0·4	3·1	·475	·331	98	79	SW 2	WNW 2	10	1	·020	● ≋^{0} (mist) till 10*a.* ☂ *p.*
27	·58	·58	59·9	53·0	49·8	66·4	6·3	2·5	·335	·335	65	83	W 3	WSW 2	5	1	—	☂ *n.* and *p.* Clear 10*a.*—5*p.* [☈^{2} 2*p.*
28	·52	·57	60·9	47·0	47·0	61·3	5·7	0·6	·364	·307	68	96	WSW 1	WSW 1	7	1	·350	☂ *n.* and *p.* ●^{2} showers *p.* ☤^{0} 11*a.*
29	·65	29·49	60·4	58·7	43·2	65·0	5·8	1·1	·355	·367	67	92	NW 2	SW 3	3	10	·350	☂ *n.* ●^{2} 8.30*a.* ⊕^{0} *p.* ☈^{0} 9*p.*
30	29·00	28·94	57·8	50·0	50·0	62·6	0·9	0·9	·451	·336	94	94	W 3	WSW 2	10	9	·170	●^{2} showers *p.* ⌒^{2} 6*p.*
Mean	29·725	29·721	59·1	54·1	50·7	65·4	3·5	1·7	·397	·372	79·2	88·4			2·2	2·3	7·3	5·6	2·300	

LONDONDERRY.—JUNE 1890.

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	29·87	29·82	53·2	49·7	40·8	55·2	2·3	1·0	·342	·331	84	93	SW 2	NNW 1	10	10	·140	● nearly all day.
2	·70	·57	54·3	54·7	48·3	57·9	1·8	0·8	·370	·405	88	94	SW 2	SW 2	10	10	·270	● all day.
3	·50	·34	56·0	53·7	51·0	57·0	1·6	2·2	·402	·351	89	85	SW 2	SW 5	10	10	·160	● at night.
4	·55	·59	57·7	56·1	50·5	63·8	4·5	2·8	·350	·372	73	82	SW 2	SW 2	10	10	·300	● from 5*p.*
5	·67	29·60	53·9	55·7	51·0	64·3	1·7	1·5	·367	·401	88	90	NNE 2	SW 2	10	10	·330	Fine all day.
6	29·82	30·13	51·9	47·7	45·5	56·3	6·2	2·8	·241	·265	63	80	NW 4	W 2	5	3	—	Fine all day.
7	30·25	30·25	54·7	48·7	41·5	64·0	7·0	3·0	·256	·272	60	79	N 2	N 1	6	10	·100	Fine all day.
8	29·99	29·73	49·6	56·6	45·5	62·0	6·7	2·9	·210	·375	60	81	E 2	SW 2	10	9	·160	● showers during day.
9	·77	·69	57·1	58·1	52·2	66·8	4·2	3·2	·348	·389	75	81	SW 3	SE 2	10	10	—	
10	·56	·40	55·7	55·2	53·0	64·3	3·0	2·3	·361	·370	81	85	SSE 2	S 2	10	10	·020	●^{0} showers.
11	·37	·49	57·5	54·6	50·0	70·0	4·7	1·7	·342	·377	72	88	SW 2	NE 2	10	10	·190	● showers during day.
12	29·75	29·98	57·7	55·1	49·0	64·0	4·6	2·9	·348	·353	73	81	N 2	SW 2	9	10	—	
13	30·16	30·25	63·7	53·3	51·0	65·0	7·0	2·6	·372	·336	63	82	NW 2	NW 2	10	6	—	
14	·28	·28	58·0	53·7	51·6	67·2	5·4	2·7	·332	·338	69	82	N 2	NW 1	10	4	·080	Fine all day.
15	30·20	30·10	63·6	63·2	51·0	68·8	2·9	3·1	·488	·474	83	82	S 2	SW 2	10	10	·100	● showers.
16	29·96	29·84	58·7	53·5	51·0	69·0	4·5	2·8	·363	·334	74	81	SW 2	W 3	10	9	·160	
17	·78	·86	51·4	52·7	50·3	62·3	1·7	3·0	·336	·319	88	80	SE 2	W 2	10	5	·060	● *a.* Fine afternoon.
18	·82	·92	58·0	54·9	50·3	61·2	1·3	3·1	·442	·345	91	81	SE 2	SW 2	10	8	·180	T before 9*a.* ● 11*a.*—3*p.* Fine after-[noon.
19	·98	·81	59·7	54·9	51·8	62·4	6·0	2·7	·340	·355	67	83	SW 2	S 3	10	10	·040	
20	·84	·92	57·7	53·8	50·4	61·0	5·7	3·0	·321	·332	67	80	N 3	WSW 2	6	10	·080	●^{0} showers.
21	·91	·89	54·7	55·0	50·0	63·2	1·8	1·3	·376	·395	88	91	SE 2	SW 2	10	10	·200	● all day.
22	29·95	29·99	58·2	56·6	50·8	61·0	2·3	0·9	·415	·431	85	94	SW 2	SW 2	10	10	·130	● showers all day.
23	30·04	30·07	59·7	53·7	50·6	63·8	2·2	2·6	·442	·341	87	83	SW 2	SW 2	10	10	·010	
24	30·03	29·72	58·2	59·7	50·4	61·4	4·6	3·0	·354	·419	73	82	SW 2	SW 5	10	10	·150	● from noon.
25	29·88	·93	55·4	52·7	49·2	63·4	3·7	2·2	·338	·339	77	85	SW 2	SE 1	10	1	—	Fine all day.
26	·77	·65	58·7	52·1	48·4	64·0	5·1	3·1	·348	·309	71	79	SE 2	WSW 2	9	7	·150	● showers in evening.
27	·59	·66	54·7	52·8	48·8	60·1	5·2	3·0	·293	·320	70	80	SW 2	NNW 1	6	2	—	Fine day.
28	·72	·85	54·5	51·7	49·6	66·0	3·8	3·5	·323	·296	76	77	N 2	NW 1	10	1	·010	Fine all day.
29	·72	·34	57·2	53·9	50·0	60·5	6·4	3·7	·298	·316	63	76	SW 1	S 3	10	10	·260	Fine all day.
30	29·06	29·23	56·4	53·9	49·6	61·0	3·2	1·4	·364	·375	80	91	SW 2	NE 4	7	10	·100	
Mean	29·817	29·796	56·6	54·3	49·4	62·9	4·0	2·5	·349	·355	75·9	83·6			2·1	2·2	9·3	8·2	3·380	

ARMAGH.—JUNE 1890.

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	29·79	29·72	52·6	51·6	38·0	59·8	3·5	1·1	·306	·353	77	93	SW 1	W 1	10	10	·005	
2	·63	·50	54·6	54·9	37·8	60·7	2·5	0·7	·356	·410	84	95	SW 1	SW 2	10	10	·115	
3	·43	·22	55·6	54·1	52·8	59·0	2·7	2·3	·367	·369	83	85	SSW 3	SW 3	10	10	·140	Overcast all day.
4	·45	·49	56·7	57·7	50·6	63·5	4·1	2·1	·346	·414	75	87	SW 2	SSW 1	10	10	·025	Overcast all day.
5	·54	·52	59·5	57·2	53·2	63·6	2·3	1·3	·435	·429	86	91	SSW 1	SSW 1	10	10	·327	
6	29·68	29·98	53·7	47·2	47·0	57·8	5·0	2·6	·285	·264	69	82	NW 1	Calm 0	10	9	—	
7	30·12	30·12	56·1	50·8	38·3	61·3	6·8	4·8	·279	·257	62	69	NW 0·5	S 1	8	10	·080	
8	29·79	29·64	48·9	55·9	46·3	63·4	0·2	2·2	·341	·386	99	86	ESE 1	SW 1	10	2	·087	
9	·67	·60	57·4	56·7	52·2	62·6	4·0	3·0	·357	·373	75	81	SW 2	S 2	10	10	—	
10	·43	·28	57·6	54·7	52·0	59·4	2·9	1·9	·391	·374	82	88	SSE 3	SSE 2	10	9	—	
11	·24	·32	58·6	51·9	50·7	63·7	4·6	1·1	·359	·357	73	93	S 1	ENE 1	9	3	·018	
12	29·58	29·80	54·0	55·3	48·5	64·9	2·8	2·5	·339	·367	81	84	N 1	NNE 1	10	10	—	
13	30·02	30·11	62·0	56·0	51·8	67·0	5·0	2·1	·399	·388	72	86	NE 1	NE 0·5	8	9	—	
14	·15	·14	56·9	58·0	48·0	67·8	5·0	2·6	·326	·404	70	83	Calm 0	S 1	10	10	·210	
15	30·10	30·01	60·2	63·9	52·2	69·5	2·2	3·0	·450	·491	87	82	SSW 1	SW 1	10	10	·020	
16	29·86	29·74	55·5	52·9	52·1	64·5	1·0	1·9	·412	·348	94	87	WSW 1	SW 1	10	10	·128	
17	·66	·73	57·0	51·7	49·5	63·5	4·8	2·0	·332	·332	71	87	WSW 2	Calm 0	9	4	·048	
18	·71	·80	60·6	53·9	50·0	62·3	1·0	2·2	·496	·354	94	86	SW 1	W 1	10	9	·168	
19	·87	·75	58·0	54·7	50·8	61·8	5·0	3·5	·342	·333	71	77	WSW 1	SW 1	10	10	—	Overcast all day.
20	·75	·83	56·9	51·9	50·2	64·5	5·0	2·7	·326	·316	70	82	WSW 1	WNW 0·5	10	9	·040	
21	·80	·80	57·4	55·0	49·0	60·5	4·0	0·4	·357	·421	75	97	SW 2	SW 1	10	10	·048	Overcast all day.
22	·84	·87	58·9	56·9	52·8	61·7	2·3	0·3	·426	·454	86	98	SW 1	WSW 1	10	10	·150	Overcast all day.
23	·92	·96	61·2	52·0	51·8	65·3	3·0	2·3	·443	·328	82	84	SW 1	W 1	10	4	—	
24	·92	·65	59·6	60·0	47·0	62·3	4·2	3·1	·384	·420	75	81	SW 1	SSW 3	10	10	·155	Overcast all day.
25	·78	·80	58·0	52·7	51·3	65·5	3·0	2·5	·393	·331	81	83	W 0·5	E 1	10	7	·060	
26	·65	·55	58·2	51·1	46·9	64·5	4·0	1·1	·369	·347	76	92	S 1	WSW 0·5	8	8	·075	
27	·46	·53	57·2	50·9	46·7	61·7	5·2	1·0	·325	·348	69	93	W 1	W 1	8	10	·152	
28	·57	·71	58·2	47·7	47·0	62·5	5·1	1·6	·343	·292	71	89	Calm 0	Calm 0	7	0	·050	T in afternoon.
29	29·61	·24	56·7	52·6	42·0	61·3	6·1	2·6	·300	·327	65	82	WSW 1	S 2	10	10	·412	
30	28·93	29·02	56·7	54·0	48·4	61·4	2·8	1·2	·378	·382	82	92	SSW 0·5	NNE 1	10	10	·025	
Mean	29·699	29·680	57·2	54·2	48·5	62·9	3·7	2·1	·365	·366	77·9	86·5			1·2	1·2	9·6	8·4	2·538	

MARKREE CASTLE (SLIGO).—JUNE 1890.

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	29·88	29·82	53·4	51·0	33·2	57·3	2·3	0·8	·345	·353	85	94	WNW 1	WNW 1	10	10	·040	
2	·69	·56	56·0	55·0	48·7	59·1	1·6	0·7	·402	·412	89	95	SW 1	SW 2	10	10	·220	Overcast, with ●^{0} all day.
3	·45	·33	54·5	53·5	52·3	56·8	1·9	1·4	·371	·370	88	91	SW 2	SW 1	10	10	·180	
4	·49	·54	56·1	55·0	46·9	62·8	3·6	1·6	·352	·386	78	89	SSW 1	SSW 1	10	10	·130	
5	·63	29·52	56·1	54·3	49·8	63·7	3·8	0·7	·347	·402	77	95	N 1	?S 1	8	10	·330	
6	29·81	30·08	51·0	46·7	45·8	54·3	6·3	3·2	·231	·247	62	78	NNW 2	*NW* 0·5	6	5	—	
7	30·19	30·13	54·2	53·1	35·4	59·1	5·9	4·0	·272	·300	65	75	Calm 0	SE 1	5	10	·190	
8	29·80	29·68	50·0	54·4	45·7	65·1	0·8	1·3	·339	·386	94	92	SE 2	S 2	10	10	·070	
9	·72	·59	56·5	55·7	50·5	63·2	2·4	2·8	·387	·366	85	82	WSW 1	SSE 3	10	10	·100	
10	·39	·30	58·0	52·0	51·1	64·4	2·9	2·0	·396	·335	82	86	SSE 3	SSE 1	9	9	·250	● showers.
11	·25	·41	57·1	52·7	48·1	61·2	4·0	2·0	·353	·344	76	86	SSE 1	Calm 0	8	5	·220	● showers. T 3.30*p.*
12	29·70	29·93	57·9	52·7	49·1	60·4	3·7	1·6	·375	·354	77	89	NNW 2	N 1	8	6	·010	
13	30·11	30·20	57·1	51·8	50·3	59·8	3·0	1·9	·379	·336	82	86	N 1	NNW 1	8	6	—	
14	·22	·21	58·0	56·8	44·4	66·9	4·9	2·5	·345	·388	72	84	*NNW* 0·5	Calm 0	7	10	·050	
15	30·16	30·06	62·0	60·5	54·9	69·7	1·8	3·4	·494	·420	89	81	SSW 2	S 3	10	10	·100	
16	29·92	29·81	58·0	53·2	52·7	63·9	2·6	2·5	·404	·337	83	83	SSW 1	SSW 2	10	8	·020	
17	·76	·82	55·3	52·8	48·5	60·1	2·2	1·7	·375	·353	86	88	*SW* 0·5	Calm 0	10	10	·020	
18	·79	·92	59·0	54·7	51·8	61·5	0·9	2·9	·470	·347	95	82	?SW 1	W 1	10	8	·080	
19	·95	·78	56·1	53·4	49·8	60·7	3·1	0·9	·364	·383	80	94	SE 1	SSW 2	10	10	·010	Overcast all day.
20	·84	·90	57·7	53·2	49·6	60·1	6·2	3·1	·310	·322	65	80	?W 1	*W* 0·5	8	10	·010	
21	·87	·89	55·5	55·1	49·3	57·3	1·4	2·1	·400	·374	91	86	SW 1	Calm 0	10	10	·060	Overcast all day.
22	29·92	29·97	60·0	57·0	52·7	60·7	2·8	0·8	·429	·440	83	94	SSW 1	NNW 1	9	10	·160	Overcast all day.
23	30·01	30·03	59·0	52·0	50·3	64·3	1·9	2·7	·439	·318	89	82	SSW 1	Calm 0	10	6	—	
24	29·98	29·69	57·0	58·1	44·0	59·2	3·0	1·0	·377	·453	81	94	S 1	S 4	10	10	·130	Overcast all day.
25	·86	·86	56·9	49·1	48·3	60·8	4·7	1·6	·333	·309	72	89	N 1	Calm 0	8	4	—	
26	·72	·61	59·7	51·0	45·0	65·2	5·8	2·6	·345	·309	68	82	SSW 1	SSW 1	8	6	·110	
27	·58	·62	55·5	50·1	46·3	57·9	4·7	1·4	·317	·326	72	90	?NW 3	*W* 0·5	7	7	·100	
28	·66	·81	57·4	48·1	45·2	58·7	3·7	1·9	·365	·289	77	86	NNW 2	N 0·5	7	4	·200	● showers. ▲ shower in afternoon.
29	29·67	·24	56·0	51·5	40·3	58·9	3·8	0·5	·345	·368	76	97	SSE 1	SE 3	9	10	·150	● showers.
30	28·99	29·17	57·4	53·8	48·3	60·2	3·5	2·1	·370	·355	78	85	SSW 0·5	NNW 2	6	10	·030	
Mean	29·767	29·748	56·6	53·3	47·6	61·1	3·3	1·9	·368	·356	79·9	87·2			1·3	1·2	8·7	8·5	2·970	

DUBLIN (PHŒNIX PARK).—JUNE 1890.

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	29·89	29·81	56·0	53·6	43·9	60·6	8·7	1·2	·241	·378	53	92	W 1	W 1	7	9	—	
2	·77	·62	54·9	56·2	50·5	59·6	1·3	5·8	·394	·302	92	66	WSW 1	SW 2	8	10	—	Dull and cloudy.
3	·48	·39	58·0	57·2	52·9	58·2	3·5	0·9	·380	·440	79	94	SW 2	WSW 1	9	8	·015	Dull and cloudy.
4	·56	·59	57·4	55·0	51·1	67·2	3·9	1·3	·360	·395	76	91	SW 1	SW 1	6	3	·050	●0 a. Beautiful day.
5	·61	29·63	60·3	54·8	52·5	68·6	2·4	1·0	·446	·402	85	94	SW 1	SW 2	9	7	·030	Cloudy, with ●0 showers.
6	29·73	30·05	51·1	46·6	46·4	58·3	3·0	2·2	·300	·267	80	85	NW 2	Calm 0	8	3	—	Cloudy a. Bright p.
7	30·18	30·18	56·3	51·4	37·7	58·0	6·3	5·5	·291	·249	64	66	Calm 0	SE 1	5	8	·360	
8	29·86	29·73	50·2	58·0	48·7	66·8	0·2	2·4	·358	·410	99	85	ESE 1	Calm 0	9	4	·040	●2 5a.—10a. Dull a. Bright p.
9	·78	·70	58·9	55·8	52·9	64·5	4·1	3·4	·493	·352	81	78	SSW 1	S 1	6	8	—	
10	·50	·38	55·3	54·8	52·9	63·0	1·2	2·0	·402	·373	92	88	SSE 2	S 1	8	6	·015	
11	·31	·34	60·3	50·4	50·1	63·5	5·3	0·4	·366	·356	70	97	S 1	Calm 0	4	3	·130	Cloudy, with ● showers. Distant Tp.
12	29·60	29·80	56·4	55·2	50·1	62·1	3·4	1·4	·359	·395	79	91	N 1	N 1	7	10	·050	Cloudy, with ●0 showers.
13	30·08	30·15	55·6	52·4	49·7	63·0	1·4	0·4	·402	·382	90	97	NNE 1	Calm 0	8	2	—	Cloudy a. Bright p.
14	·22	·21	58·3	53·0	49·6	67·3	2·7	0·5	·406	·401	83	97	Calm 0	Calm 0	7	3	—	Beautiful day.
15	30·19	30·11	63·3	62·5	52·3	71·2	3·3	1·4	·470	·517	80	92	SSW 1	SSW 1	7	8	·005	Cloudy day.
16	29·95	29·85	61·4	55·2	53·6	62·8	2·2	1·6	·471	·390	87	90	SW 2	WSW 1	8	4	·125	Dull a. ●2 10.30a.—2p. Cloudy p.
17	·80	·80	57·1	49·4	49·1	62·6	3·8	0·3	·358	·344	77	98	WSW 1	Calm 0	6	2	·060	Dull and cloudy.
18	·83	·88	61·4	55·1	46·9	64·5	0·9	2·3	·514	·369	95	85	SW 1	W 1	8	5	·150	Dull and cloudy, with ● showers.
19	·97	·86	58·7	56·4	51·5	62·5	3·9	1·4	·379	·413	76	91	WSW 1	Calm 0	7	8	·030	
20	·84	·90	56·2	53·3	52·7	64·8	3·0	2·1	·367	·348	81	85	W 1	Calm 0	7	3	—	
21	·90	·91	59·7	54·8	51·3	66·0	3·7	0·6	·399	·412	78	95	SW 1	SW 1	8	8	·035	Dull and cloudy, with ●0 showers.
22	29·92	29·95	59·2	58·7	52·4	63·6	1·7	0·5	·449	·478	90	97	W 1	WSW 1	8	10	·090	Cloudy a. Dull, with ●0 showers p.
23	30·02	30·02	61·5	55·6	55·1	66·2	2·0	1·2	·480	·408	88	92	WSW 1	W 1	8	4	—	
24	30·03	29·82	59·7	58·1	46·9	64·6	3·7	1·7	·399	·432	78	88	SW 1	SW 3	6	5	·115	Cloudy a. Dull p.
25	29·85	·85	54·9	54·0	53·7	62·1	0·6	0·2	·414	·412	96	99	Calm 0	Calm 0	10	4	·010	Dull a. Cloudy p.
26	·73	·64	61·5	52·0	47·1	65·6	3·2	1·6	·442	·345	81	89	SW 1	WSW 1	5	1	·020	
27	·56	·62	55·1	50·2	47·7	62·6	2·5	0·2	·364	·358	84	99	W 2	Calm 0	6	9	·210	Cloudy day. ●2 showers noon—11p.
28	·62	·75	53·1	51·8	44·1	59·4	2·3	0·4	·341	·375	84	97	Calm 0	Calm 0	7	7	·010	Cloudy day. ●0 showers p. Distant
29	29·72	·38	57·9	53·8	42·7	62·4	4·0	1·2	·366	·380	76	91	W 1	S 1	5	7	·160	Bright a. Cloudy p. [T 3p.
30	28·99	29·06	57·5	51·1	50·5	62·0	3·1	0·5	·383	·363	80	96	W 1	Calm 0	5	5	·320	Cloudy day. ●2 showers p. T 2.50p.
Mean	29·786	29·766	57·6	54·2	49·6	63·3	3·0	1·5	·390	·382	81·8	90·2	1·0	0·7	7·1	5·8	2·030	

PARSONSTOWN (BIRR CASTLE).—JUNE 1890.

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	29·88	29·82	56·3	53·4	45·7	61·9	3·3	2·2	·361	·347	79	85	WNW 1	WSW 1	9	9	—	Dull and gloomy.
2	·75	·63	55·8	55·4	49·8	58·4	1·2	1·6	·411	·393	92	90	SW 1	SW 1	10	10	·035	Dull a. Day warm. ● noon—2p.
3	·48	·37	56·3	55·5	51·8	60·4	3·4	2·2	·359	·378	79	86	SW 2	SW 2	10	9	·105	●2 2n. Gloomy, with ●0.
4	·52	·55	57·8	56·7	49·9	66·0	4·6	0·5	·349	·445	73	96	Calm 0	Calm 0	9	9	·017	Bright and warm.
5	·61	29·57	60·5	54·6	53·5	66·7	2·0	0·0	·462	·427	88	100	SW 2	SW 1	8	10	·258	Fine and warm. ●2 evening.
6	29·77	30·06	51·9	47·5	47·4	58·9	1·0	0·0	·359	·329	93	100	NW 2	Calm 0	5	0	—	Fine day.
7	30·16	30·11	54·7	52·5	40·2	61·3	2·7	0·4	·352	·384	83	98	Calm 0	NE 2	7	8	·279	Bright day.
8	29·78	29·72	55·1	55·5	47·4	66·7	0·1	0·3	·432	·432	99	98	SE 1	SW 1	10	9	·100	●2 2a. Gloomy, with ●.
9	·74	·60	58·9	54·9	51·4	64·0	1·1	0·2	·463	·426	94	99	SW 1	SE 2	9	9	·010	Bright day.
10	·40	·29	59·1	53·1	52·6	65·4	1·1	0·1	·466	·402	93	99	SSE 1	Calm 0	9	5	·040	Dull a. Day fine.
11	·25	·32	58·6	54·1	49·5	60·4	0·7	1·1	·470	·387	95	92	SE 1	Calm 0	9	7	·225	●2 showers all day.
12	29·63	29·84	57·1	54·0	48·7	62·9	2·4	0·0	·396	·418	85	100	NNW 2	NW 2	8	8	—	≈0 (mist) 9a. Day bright. △
13	30·05	30·13	57·9	57·5	50·4	68·0	1·1	0·0	·446	·474	93	100	Calm 0	Calm 0	10	0	—	∞ a. Bright, close, and mild.
14	·19	·19	57·9	59·7	47·2	68·5	1·1	0·2	·446	·507	93	99	Calm 0	Calm 0	10	9	—	Warm a.
15	30·17	30·07	65·7	61·9	49·6	69·9	1·6	0·1	·573	·551	91	99	SW 1	Calm 0	9	9	·055	Warm a. Bright, close, and mild.
16	29·95	29·84	54·9	53·7	53·2	63·1	0·0	0·2	·432	·408	100	99	SW 1	SW 1	10	5	·100	≈0 (mist) 9a. Dull, with ●.
17	·78	·77	53·9	56·7	50·2	59·1	1·0	0·0	·387	·460	93	100	WSW 2	Calm 0	10	8	·033	≈0 (mist) a. Dull, with ●.
18	·82	·91	59·1	54·1	52·8	61·9	0·3	0·2	·492	·414	98	98	SW 2	SW 2	10	7	·071	Gloomy, with ● ≈0 (mist).
19	·96	·84	56·9	56·0	49·2	62·9	0·2	0·4	·458	·437	99	97	WSW 1	SW 3	10	9	·020	∞ a. Bright day.
20	·85	·91	58·6	54·3	50·8	64·0	0·7	0·4	·470	·411	95	97	W 2	Calm 0	7	9	—	Dull day.
21	·89	·90	55·7	54·0	51·2	57·0	0·0	0·4	·444	·406	100	97	SW 1	SW 1	10	10	·080	Dull and gloomy, with ● ≈0 (mist).
22	29·93	29·97	58·7	57·6	52·4	60·1	2·6	1·1	·414	·442	85	93	SW 2	SSW 2	10	10	·040	≈0 (mist) a. and p. Dull, with ●.
23	30·02	30·03	58·7	53·3	52·7	63·4	1·2	1·0	·457	·379	93	93	SW 1	SW 1	10	8	—	Close and mild. ≈0 (mist).
24	29·99	29·77	57·9	60·0	45·6	65·1	1·1	0·3	·446	·508	93	98	Calm 0	SW 2	10	9	·168	∞ a. Day bright and warm. ≈0
25	·82	·83	55·7	57·1	52·4	66·1	1·0	1·5	·415	·421	93	90	Calm 0	Calm 0	10	6	—	≈0 (mist) 9a. Bright day. [(mist) 9p.
26	·72	·65	59·9	52·9	48·7	64·1	4·7	0·6	·375	·384	73	96	WSW 1	WSW 2	7	5	·034	Fine and bright.
27	·58	·62	56·9	50·4	47·5	60·7	0·1	0·4	·461	·356	99	97	W 1	W 1	8	4	·243	Bright day, with ● showers.
28	·63	·75	55·0	51·0	43·2	62·6	1·2	0·1	·397	·371	92	99	Calm 0	Calm 0	9	3	·102	Dull and cool a. △
29	29·70	·28	55·3	53·1	41·2	59·0	1·1	0·4	·405	·393	92	97	SW 1	S 2	9	10	·260	Dull and cold, with ●.
30	28·99	29·10	55·7	51·4	49·2	59·5	0·8	0·5	·420	·366	94	96	WSW 1	W 2	7	9	·218	●2 n. and during day. ≈0 (mist) p.
Mean	29·765	29·747	57·2	54·7	49·2	62·9	1·4	0·5	·427	·415	91·0	96·3	1·0	1·0	9·0	7·4	2·499	

SWANBISTER.—JULY 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground:—Bar., 3 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													NE 4	N 2				
2													N 1	N 1				
3													NNW 1	N 3				
4													NNE 3	NNW 3				
5													NNW 5	N 4				
6													NNW 4	NW 3				
7													WNW 2	Calm 0				
8													N 3	NW 4				
9													NW 6	NW 5				
10													NW 3	N 1				
11													NW 4	NW 2				
12													NE 1	SE 1				
13													SE 4	SW 2				
14													WSW 3	WSW 2				
15													W 3	NW 2				
16													W 2	Calm 0				Observations, except with anemometer, temporarily discontinued owing to change of station.
17													S 1	Calm 0				
18													NE 2	NNE 2				
19													NNW 3	NNW 1				
20													W 3	Calm 0				
21													W 5	W 4				
22													W 5	WNW 4				
23													WNW 2	NW 1				
24													NW 4	NW 3				
25													W 4	W 1				
26													SSE 3	W 2				
27													S 3	Calm 0				
28													S 3	WSW 4				
29													W 3	SSW 1				
30													SW 2	SW 1				
31													S 1	Calm 0				
Mean													3·0	1·9				

DUNROBIN CASTLE.—JULY 1890.

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	29·62	29·72	54·7	51·5	49·1	56·4	5·7	3·8	·282	·287	66	75	N	SE	—	—	—	Cold and windy.
2	·70	·67	54·0	49·7	49·4	57·9	4·7	2·7	·295	·290	71	82	W	S	—	—	·010	Fine and mild.
3	·75	·72	54·0	53·7	47·8	56·6	7·7	3·2	·235	·327	56	79	S	SE	—	—	—	Fine and mild.
4	·77	·68	56·5	50·0	49·4	57·9	5·5	3·5	·310	·276	67	77	S	SE	—	—	·050	Fine and clear.
5	·71	·73	55·5	53·5	47·1	56·6	5·5	4·0	·298	·305	67	74	SW	SW	—	—	·020	Fine and mild.
6	·72	·77	53·7	52·5	47·8	57·2	6·0	4·0	·265	·294	64	74	SW	NW	—	—	·030	Dull day.
7	·67	·57	53·7	47·5	44·6	54·2	5·2	1·2	·281	·299	68	91	W	NE	—	—	·010	Fine and mild.
8	·42	·47	53·5	50·7	47·5	57·9	5·5	3·4	·272	·286	66	78	SW	NW	—	—	·560	Cloudy and mild.
9	·51	·68	52·0	50·5	45·6	54·6	3·5	3·2	·299	·288	77	79	E	SE	—	—	·040	Cloudy and mild.
10	·82	·92	54·7	49·0	46·6	57·2	7·4	3·3	·249	·270	59	77	NW	W	—	—	·020	Fine day.
11	·88	·92	57·0	50·7	46·4	59·4	8·3	4·4	·257	·264	56	72	SW	NW	—	—	—	Fine day.
12	·79	·68	54·7	50·5	43·6	56·9	6·2	4·2	·273	·266	64	73	NW	NW	—	—	·780	● showers a. Fine p.
13	·43	·33	53·5	55·5	49·6	62·6	0·2	1·2	·405	·406	98	92	SE	NE	—	—	·260	Dull, with ●
14	·31	·54	56·5	54·7	51·4	60·9	4·8	1·7	·326	·370	71	89	SW	N	—	—	·020	
15	29·58	29·97	58·4	51·7	49·1	59·2	4·4	2·7	·362	·314	74	82	SW	N	—	—	·030	Fine and warmer.
16	30·06	30·10	55·7	54·7	50·4	61·9	2·0	3·7	·388	·328	87	76	S	SW	—	—	—	Fine and warmer.
17	30·03	29·91	56·5	53·3	48·1	56·5	4·2	2·6	·341	·336	74	82	SW	NE	—	—	·060	Fine and clear.
18	29·82	29·95	53·7	54·0	47·1	55·4	1·7	2·0	·364	·360	88	86	NE	NE	—	—	—	Dull day.
19	30·07	30·24	55·5	50·7	46·1	60·2	4·8	3·7	·314	·279	71	76	S	NE	—	—	—	Fine p.
20	·17	30·08	57·7	57·6	45·8	65·2	3·7	2·6	·370	·398	77	83	SW	NW	—	—	—	Fine and breezy.
21	30·02	29·86	60·6	57·9	55·4	67·6	2·6	2·6	·445	·403	84	84	SW	NW	—	—	·110	● showers p.!
22	29·84	·85	56·7	54·7	51·1	58·2	5·4	4·7	·315	·304	68	71	S	NW	—	—	—	Blowy and fresh.
23	·78	·73	55·3	55·5	53·4	62·9	3·6	4·8	·340	·314	77	71	W	NE	—	—	·210	
24	·80	·89	55·0	53·3	49·1	60·6	5·7	5·3	·287	·274	67	67	N	N	—	—	·020	Fine day.
25	·95	·90	57·0	53·0	45·4	62·9	8·0	3·0	·263	·322	57	80	N	NW	—	—	—	Fine and clear.
26	·70	·69	55·0	53·7	46·1	63·6	4·7	1·4	·309	·373	72	90	E	NW	—	—	—	Dull p.
27	·62	·59	55·5	58·9	51·4	65·9	6·5	5·6	·277	·339	62	68	W	NW	—	—	—	Fine day.
28	·53	·64	57·0	53·7	50·1	60·2	6·3	4·4	·298	·298	64	72	SW	NW	—	—	—	Fine day.
29	·72	·61	59·6	56·3	53·4	64·6	6·3	0·6	·332	·436	66	96	NW	NW	—	—	·350	Fine a. ● showers p.
30	·49	·54	59·4	54·6	53·4	68·6	2·7	2·6	·422	·353	84	83	SW	W	—	—	·060	Fine a. ● showers p.
31	29·59	29·72	59·6	56·7	49·1	67·2	3·6	2·7	·400	·381	78	83	W	W	—	—	—	Fine day.
Mean	29·737	29·763	55·9	53·2	48·7	60·2	4·9	3·2	·319	·324	71·0	79·4	—	—	—	—	2·640	

BRAEMAR.—JULY 1890.

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.		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	28·50	28·55	49·5	47·7	47·7	56·8	3·8	2·9	·265	·264	74	81	NE	4	NE	1	8	6	—	
2	·53	·53	51·3	47·7	45·8	57·2	4·4	1·2	·271	·302	72	92	E	0·5	NE	1	8	7	·190	Fine *a*. ● *p*.
3	·54	·58	50·2	49·5	46·4	56·7	4·7	2·8	·253	·285	69	81	N	1	NE	2	6	6	·020	Fine day.
4	·59	·58	50·2	48·5	46·7	57·0	3·7	3·2	·274	·266	76	78	NW	2	NE	0·5	6	7	·020	Fine day.
5	·54	·58	50·1	47·5	43·8	52·2	3·6	2·6	·275	·268	76	82	N	0·5	NE	0·5	9	8	·010	Dull and cold, with ● showers.
6	·60	·59	48·3	46·3	45·3	54·0	3·8	2·6	·251	·256	74	82	SW	2	NW	1	7	7	—	Dull and cold.
7	·52	·38	48·5	45·5	43·0	56·7	4·0	0·8	·249	·287	73	95	NW	1	SW	0·5	7	10	1·110	Fair *a*. ●^{2} *p*.
8	·21	·28	42·7	46·5	40·8	55·7	0·2	2·2	·270	·266	98	84	N	0·5	SW	0·5	8	8	·020	Cold day. Snow showers on hills.
9	·35	·54	47·9	46·5	42·0	53·8	2·4	2·2	·276	·266	84	84	NW	1	NW	1	8	8	·090	Cold and stormy.
10	·67	·77	52·5	47·8	46·0	55·8	6·4	3·1	·244	·260	62	79	E	1	E	1	3	8	—	Fine day.
11	·80	·72	49·8	48·3	41·8	56·0	5·3	2·8	·238	·272	67	81	NE	1	SE	0·5	7	8	·020	Fine day.
12	·60	·48	49·5	49·3	42·7	60·2	3·7	2·0	·267	·301	75	86	W	0·5	SW	0·5	7	8	·280	Fine day.
13	·31	·22	51·5	59·7	47·2	65·3	1·1	2·2	·351	·443	92	87	SW	0·5	SW	4	10	8	·220	Mild, with ● showers.
14	·19	·39	53·3	51·7	51·2	60·3	4·0	3·6	·303	·293	74	77	SW	2	SW	0·5	8	8	—	Fine day.
15	·44	·70	53·8	51·5	47·4	66·3	4·5	3·2	·297	·300	72	79	SW	0·5	NW	0·5	7	8	·070	● showers.
16	·86	·89	53·7	50·8	42·7	56·0	4·9	1·1	·288	·344	69	92	SW	1	SW	0·5	7	10	·360	● showers *a*. ●^{2} *p*.
17	·83	·70	54·5	53·0	40·2	62·3	3·0	1·5	·342	·361	80	90	SE	0·5	NE	0·5	6	8	·060	Fine *a*. ● showers *p*.
18	·59	·66	52·7	51·5	48·3	58·0	2·2	1·8	·339	·334	86	88	S	0·5	NE	0·5	6	9	·060	Dull, with ●.
19	28·85	·98	50·5	50·5	43·2	59·0	3·7	3·2	·277	·288	76	79	NE	0·5	NE	1	8	4	—	Fine day.
20	29·02	·93	54·5	53·7	38·0	64·2	5·0	2·9	·295	·334	70	81	E	0·5	SW	0·5	4	10	·220	Fine *a*. ● *p*.
21	28·82	·70	66·8	57·7	52·7	69·8	6·1	3·2	·447	·384	69	80	N	1	SW	4	6	8	—	Fine *a*.
22	·66	·69	55·5	52·2	49·0	61·0	7·0	4·7	·267	·275	61	71	N	2	NW	2	7	8	—	Fine *a*.
23	·62	·54	57·5	53·2	49·0	63·5	4·8	4·4	·339	·393	72	72	SW	4	SW	4	8	9	—	Fine *a*.
24	·61	·68	50·9	47·9	47·0	54·7	4·6	2·4	·262	·276	71	84	NW	2	NW	1	7	8	·320	Dry and dusty.
25	·75	·73	53·1	53·3	44·2	60·0	5·6	4·5	·266	·292	66	71	N	1	W	0·5	8	3	—	
26	·56	·53	52·2	54·3	36·8	63·6	1·7	2·8	·345	·344	89	81	SW	0·5	SW	2	8	8	·020	Fine day.
27	·47	·44	56·2	53·5	47·7	63·0	3·7	4·0	·350	·305	77	74	SW	2	SW	2	8	6	·020	Fine till 8*p*., then ●.
28	·39	·47	53·3	50·7	49·0	56·7	5·1	3·2	·278	·291	68	79	SW	2	SW	2	8	8	·030	Gusty, with ● showers.
29	·56	·54	51·0	51·5	47·0	55·5	3·5	1·9	·288	·331	77	87	SW	4	SW	2	8	10	·170	●^{0} showers.
30	·39	·36	60·5	52·3	50·7	63·0	5·0	0·8	·376	·371	72	95	SW	4	SW	0·5	7	8	·020	●^{0} showers.
31	28·49	28·56	59·5	54·3	52·3	62·0	7·0	3·1	·314	·336	62	79	SW	1	SW	0·5	4	6	·020	●^{0} showers.
Mean	28·576	28·589	52·6	50·8	45·7	59·2	4·1	2·7	·295	·306	74·3	82·3		1·4		1·2	7·1	7·7	3·350	

LAUDALE.—JULY 1890.

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	29·56	29·66	56·0	57·1	48·7	65·3	4·3	1·8	·333	·413	74	88	E	3	E	2	7	5	—	
2	·68	·70	55·0	53·0	52·8	62·0	2·7	3·0	·357	·322	83	80	SSW	1	Calm	0	10	8	·030	Dull *a*. Fine *p*.
3	·72	·79	53·3	51·7	48·6	60·5	2·3	2·0	·343	·332	84	87	N	1	N	1	9	3	·030	Fine *p*., but cold.
4	·78	·75	55·0	53·0	47·0	61·2	3·0	3·3	·349	·315	81	78	N	2	N	2	9	—	—	
5	·77	·84	54·5	52·0	47·0	59·7	3·2	3·2	·337	·305	79	79	N	2	N	3	8	7	—	Cloudy day.
6	·85	·82	52·7	50·0	46·7	57·5	2·4	3·0	·334	·286	84	80	N	3	N	3	9	10	·030	
7	·71	·52	53·0	48·0	45·7	59·2	3·3	0·3	·315	·327	78	98	SSW	1	SSW	1	10	10	·500	●^{0} all day. ●^{2} at night.
8	·44	·49	52·0	49·4	46·0	59·2	3·4	0·9	·301	·330	78	94	N	1	W	1	7	10	·170	Dull day, with ● showers.
9	·60	·79	53·0	50·0	46·3	60·0	2·5	2·3	·335	·302	83	84	NW	2	N	2	7	7	·030	
10	29·91	·98	51·9	48·0	45·0	64·4	3·9	2·1	·289	·283	75	85	Calm	0	Calm	0	4	4	·020	●^{0} showers *a*. Fine *p*.
11	30·00	·94	53·2	49·7	45·7	65·2	5·0	2·7	·279	·290	69	82	N	1	Calm	0	3	2	—	Fine, clear and warm.
12	29·85	·60	53·0	51·0	43·0	59·9	2·0	1·0	·347	·348	86	93	SSW	3	SW	1	10	10	·440	
13	·38	·32	60·2	56·0	45·0	61·8	2·2	0·8	·450	·425	87	94	WSW	6	Calm	0	10	10	1·070	*a*. ● all day.
14	·40	·59	53·0	55·0	51·0	61·0	2·3	3·8	·340	·330	84	76	WNW	3	Calm	0	10	8	·450	●^{2} showers.
15	29·61	29·88	56·0	54·9	50·7	60·8	2·7	2·4	·373	·365	83	85	W	2	Calm	0	10	8	·170	●^{2} showers *a*.
16	30·06	30·09	57·0	48·4	47·7	62·2	4·0	0·5	·351	·328	75	96	WNW	1	Calm	0	5	0	—	Day fine and warm, but cold at night.
17	30·04	29·90	57·1	52·7	41·3	60·9	5·1	1·8	·326	·349	70	88	Calm	0	Calm	0	3	10	·170	Fine and warm till 2 *p*., then dull.
18	29·77	29·85	52·0	54·7	50·0	59·0	1·5	1·2	·348	·394	90	93	SW	1	Calm	0	10	10	·310	● all day. ≋^{0} (mist).
19	30·02	30·02	58·7	53·0	47·0	65·1	5·0	3·0	·352	·322	71	80	N	1	N	1	2	0	—	Cloudless all day.
20	·22	30·12	58·0	56·5	47·8	65·3	2·8	3·5	·399	·358	82	78	NW	2	Calm	0	10	10	·650	●^{2} from 4*p*.
21	30·07	29·94	59·7	57·0	52·7	64·9	1·4	1·3	·467	·425	92	91	W	2	W	2	10	10	·070	≋^{0} (mist) ●^{0} *a*.
22	29·95	·98	58·0	55·0	51·2	63·1	4·0	3·0	·367	·349	76	81	N	4	N	3	7	7	·160	
23	·87	·82	57·3	54·9	51·5	60·2	1·1	2·9	·436	·350	92	81	W	1	NW	3	10	10	·260	● *a*. Dull all day.
24	·87	·92	54·7	52·2	50·6	59·5	3·2	1·2	·341	·358	79	92	Calm	0	Calm	0	8	10	·110	●^{0} showers all day.
25	·96	·89	56·5	56·7	50·7	61·4	3·5	4·1	·358	·346	78	75	NW	1	Calm	0	8	4	·050	Day fine.
26	·64	·72	62·7	56·7	51·7	64·0	2·0	2·7	·501	·381	88	83	Calm	0	W	1	10	10	·490	●^{2} noon—3*p*., then ● showers.
27	·62	·52	57·0	53·8	50·9	62·5	2·0	2·4	·405	·348	87	84	Calm	0	Calm	0	10	6	·460	●^{2} showers *a*.
28	·53	·66	51·0	54·0	48·1	58·7	2·3	1·4	·316	·377	84	90	W	1	WNW	5	10	10	·470	●^{2} showers, with (gale).
29	·75	·57	55·7	54·7	52·0	59·2	3·0	0·9	·361	·403	81	95	WNW	2	SW	2	10	10	·130	●^{2} from 5*p*.
30	·53	·50	57·8	56·2	53·6	63·3	1·8	2·0	·424	·394	88	87	WNW	3	Calm	0	8	10	·170	●^{2} 2*p*.—5*p*.
31	29·60	29·73	57·4	55·0	52·5	64·7	1·4	2·0	·429	·375	91	87	WSW	2	Calm	0	10	7	·140	●^{2} 8*a*.—10*a*.
Mean	29·765	29·777	55·6	53·2	48·7	61·7	2·9	2·1	·363	·349	81·7	85·9		1·7		1·1	8·0	7·6	6·580	

DUNDEE.—JULY 1890.

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	29·43	29·56	50·6	51·7	47·6	58·6	1·5	2·3	·321	·324	87	85	NE	8	NE	1	10	10	—	● (gale) in past *n*.
2	·56	·53	58·4	49·4	45·6	61·0	5·1	0·9	·345	·330	71	94	SE	1	NE	1	10	10	·840	T 2*p*. ● showers till 6.30*p*.
3	·55	·60	49·2	49·5	46·9	57·6	0·9	0·8	·327	·333	94	94	NE	1	NE	1	10	10	·130	● *n*. and till 11*a*. ● showers.
4	·57	·58	54·1	50·3	44·7	60·9	3·7	0·9	·319	·342	76	94	NE	1	NE	1	10	5	·130	● showers *n*. and during day.
5	·56	·53	53·7	51·4	44·2	60·7	4·8	3·4	·343	·295	72	78	NE	2	N	2	5	10	·020	Cloudy from 9*a*. ● showers.
6	·61	·61	57·4	51·3	48·5	61·7	4·5	0·6	·345	·267	73	71	N	4	NW	1	5	10	·010	Cloudy, with ● showers.
7	·57	·39	52·5	48·8	43·6	59·6	4·1	0·8	·291	·325	73	94	NW	1	E	1	10	10	·940	● from 1*p*.
8	·19	·29	49·0	50·7	48·2	60·9	2·6	3·3	·285	·288	82	78	NW	2	NW	2	10	10	—	● till 7.30*a*.
9	·36	·54	57·0	51·9	44·3	62·2	5·9	3·6	·306	·296	66	77	NW	6	NW	6	5	10	·010	Cloudy, with ●^{0} showers.
10	·70	·79	56·8	49·9	43·4	63·7	6·3	1·4	·296	·323	65	91	NW	1	SE	1	5	10	·090	
11	·79	·74	56·5	49·8	45·4	61·1	5·1	1·1	·319	·330	69	92	SW	1	NW	1	5	10	·010	● showers. [showers 7*p*.
12	·61	·50	57·5	52·5	45·9	66·8	4·2	1·8	·354	·346	75	88	SW	1	SW	1	5	10	·210	Cloudy day. Dull from 3*p*. ●^{0}
13	·34	·23	53·8	59·8	50·8	66·5	0·4	1·6	·403	·463	97	90	S	1	S	6	10	10	·050	● *n*. ● showers till 4*p*. from 1*p*.
14	·19	·44	58·2	53·4	53·4	64·5	3·9	0·9	·372	·383	77	94	W	8	SW	1	5	10	·080	● *n*. Stormy till 4*p*. T 8*p*.
15	·49	·71	58·5	56·4	51·0	65·7	4·0	3·6	·373	·355	76	78	SW	1	NW	1	5	5	·010	● showers till 2*p*.
16	·93	·94	54·3	53·6	48·6	58·8	3·7	1·2	·322	·378	77	92	SE	1	SE	1	10	10	—	Dull day.
17	·88	·71	57·5	53·2	49·7	69·6	3·1	0·8	·383	·383	80	95	SW	1	E	1	10	10	—	
18	·62	29·68	53·4	52·8	51·8	61·6	1·0	0·4	·380	·389	93	97	SE	1	NE	1	10	10	·030	Dull day. ● showers from 6*p*.
19	29·85	30·02	60·3	54·3	52·3	62·6	5·3	1·0	·366	·393	70	93	NE	1	SE	1	5	0	—	
20	30·04	29·94	56·7	57·8	43·5	70·7	3·2	2·4	·368	·407	80	84	NW	1	W	2	5	10	·130	● from 8.30*p*.
21	29·85	·68	65·7	59·9	53·8	76·3	3·3	2·5	·514	·436	81	85	W	1	NW	6	5	5	—	
22	·70	·73	59·6	56·2	50·9	74·7	6·4	4·8	·330	·323	65	71	NW	4	NW	4	5	10	—	Cloudy day. at times.
23	·64	·60	63·4	56·6	51·0	69·8	5·2	2·2	·416	·394	71	85	SW	6	NW	2	5	10	·030	Cloudy day. (gale) 10*a*.—4*p*.
24	·63	·70	59·0	50·8	49·9	63·2	5·6	2·2	·340	·316	68	85	NW	6	NW	4	5	5	·010	● *n*. ● showers during day. at [times.
25	·78	·75	59·9	55·5	45·2	65·7	7·7	2·1	·304	·381	59	86	NW	1	W	1	5	5	·020	
26	·57	·55	55·8	58·4	44·8	69·2	1·4	2·8	·405	·405	91	83	SE	1	W	2	10	10	·020	● 7*a*.—9.30*a*. Cloudy day.
27	·52	·47	58·2	55·6	54·2	62·7	2·8	1·8	·401	·391	82	88	SW	2	SW	1	10	10	·100	Dull, with ●^{0} showers.
28	·43	·50	56·2	53·7	51·6	65·1	3·3	2·9	·360	·334	79	81	W	2	W	1	10	0	·100	● *n*. ● showers till 2.30*p*.
29	·61	·56	61·4	54·7	50·5	65·7	5·8	0·8	·369	·406	68	95	W	4	SW	1	5	10	·240	● from 7*p*.
30	·41	·37	64·5	55·4	52·3	69·8	4·8	0·7	·445	·419	74	96	W	6	SE	1	10	10	·070	● from 6.30*p*.
31	29·49	29·59	66·2	59·4	52·0	68·8	5·4	2·8	·456	·419	71	84	SW	1	W	1	5	10	·030	● showers during day.
Mean	29·594	29·607	57·4	53·7	48·6	64·7	4·0	2·0	·360	·360	76·2	87·0		2·5		1·8	7·3	8·5	3·310	

GLASGOW.—JULY 1890.

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	29·40	29·54	55·1	54·5	51·1	63·9	6·6	3·9	·269	·322	62	75	NE	1	E	1	10	10	—	
2	·52	·52	56·0	50·2	50·2	58·2	3·2	2·5	·358	·301	80	83	SW	1	W	1	10	8	·500	℞^{0}. ▲^{2} ●^{2} showers.
3	·55	·59	50·8	53·1	48·3	58·9	2·8	2·6	·301	·334	81	82	N	1	NW	1	9	9	·095	Cloudy, with ●^{0}.
4	·57	·55	55·0	54·0	44·2	62·4	4·0	2·7	·325	·344	75	82	NW	1	E	1	10	9	·103	Cloudy day. T^{0} ●^{0}.
5	·56	·60	57·4	54·1	47·4	61·9	7·6	5·0	·276	·290	59	69	NW	1	NW	2	6	10	·069	
6	·65	·63	54·6	50·4	49·3	61·5	5·4	3·2	·288	·286	67	79	NW	2	W	3	8	4	—	Dull and cloudy.
7	·56	·30	55·2	49·4	45·9	58·3	6·0	0·7	·281	·335	65	95	SW	2	NE	3	10	10	1·040	Overcast, with ●^{2}.
8	·21	·33	54·1	49·6	46·8	60·3	6·3	1·7	·263	·312	63	89	NW	2	W	2	4	8	·020	●^{2} *a*. Sunny, with ● showers.
9	·42	·58	54·5	50·8	45·5	61·3	6·2	3·6	·270	·281	64	76	W	1	NW	1	3	8	—	Sunny day.
10	·73	·76	53·5	52·3	43·7	59·4	7·0	4·2	·243	·286	60	73	W	1	NW	1	8	9	·072	
11	·80	·75	51·2	48·5	46·7	58·6	3·9	2·8	·280	·274	75	81	E	1	W	1	9	2	—	Dull and threatening.
12	·60	·46	52·0	51·1	43·0	54·7	3·8	1·1	·292	·346	75	92	SW	1	E	1	10	10	·333	Gloomy and overcast, with ●^{0}.
13	·31	·21	56·5	60·7	50·7	67·5	0·6	2·5	·439	·449	96	85	SW	2	SW	4	10	8	·170	●^{0} *a*. Threatening, with squally .
14	·28	·43	55·5	52·9	52·1	61·4	3·1	0·9	·355	·375	81	94	SW	3	SW	1	10	9	·263	Dull and cloudy. ●^{2} showers.
15	·49	·73	57·8	52·2	51·4	64·4	3·4	2·0	·379	·338	79	86	SW	2	SW	1	5	1	—	Sunny day.
16	·88	·90	58·3	56·0	46·4	67·4	5·9	2·2	·324	·384	67	86	W	1	NE	1	7	2	—	Sunny day.
17	·85	·70	56·7	52·7	48·6	67·1	3·8	2·9	·353	·323	77	81	NE	1	W	1	2	3	—	Sunny day.
18	·60	·65	54·8	55·0	49·1	60·4	3·3	2·7	·339	·357	78	83	W	1	SW	1	10	10	—	Dull and threatening.
19	29·85	·97	58·2	56·6	52·2	68·6	6·4	3·4	·312	·361	64	79	E	1	NE	1	8	6	—	Sunny day.
20	30·04	·97	60·1	54·8	46·5	64·5	6·4	0·5	·336	·415	64	97	W	2	SW	1	4	10	·430	Sunny, then overcast with ●^{2}.
21	29·89	·76	60·6	57·7	54·7	66·1	2·2	1·5	·457	·431	87	90	W	2	W	1	10	10	·020	Dull and cloudy. ●^{0}.
22	·77	·78	59·5	53·7	51·8	61·7	6·4	3·7	·320	·316	65	76	W	1	W	4	8	6	—	Sunny day. Squally .
23	·71	·63	58·8	53·7	52·2	63·1	1·6	3·5	·446	·321	90	77	W	1	W	1	10	9	—	Dull and cloudy.
24	·69	·75	57·5	52·1	50·8	61·0	6·1	2·4	·309	·327	65	84	W	1	W	1	5	4	—	Sunny day.
25	·80	·76	59·4	53·9	49·6	63·7	6·4	2·2	·328	·356	64	86	W	1	W	1	8	1	·100	Dull and cloudy, then clear.
26	·53	·59	55·9	55·4	51·5	64·8	0·8	2·4	·424	·370	94	85	N	1	SW	1	10	8	·027	●^{0} *a*. Overcast.
27	·52	·47	57·7	54·0	53·9	59·9	1·7	1·0	·425	·388	89	93	S	3	S	2	10	7	·220	Dull, with ●^{2} showers.
28	·43	·55	56·8	53·2	51·2	61·0	4·4	3·1	·340	·323	73	79	SW	3	SW	3	6	7	·049	Cloudy and squally. ⌒
29	·64	·48	54·1	54·6	51·1	64·1	2·9	0·7	·340	·406	81	95	SW	2	SW	1	10	10	·240	Dull and cloudy. ●^{0} in evening.
30	·42	·37	58·5	54·6	54·0	62·8	1·1	0·5	·456	·412	93	97	SW	2	N	1	10	10	·220	Gloomy and overcast, with ●^{0}.
31	29·51	29·59	58·4	55·2	53·7	66·5	2·5	0·8	·413	·412	84	95	SW	3	SW	1	8	3	·038	Cloudy, with ●^{0} showers.
Mean	29·605	29·609	56·3	53·5	49·5	62·4	4·3	2·4	·340	·348	74·7	84·6		1·5		1·5	8·0	7·1	4·009	

WOLFELEE.—JULY 1890.

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	28·86	29·11	50·5	48·5	48·4	56·0	0·9	0·9	·344	·319	93	93	NE	NE	—	—	·230	Blowy, with ● *a.* ● *p.*
2	29·10	·08	53·5	50·0	44·4	54·5	3·4	0·4	·319	·350	78	97	W	N	—	—	·080	Dull day.
3	·06	·14	51·0	45·0	44·9	63·0	1·4	0·9	·338	·277	90	93	NE	N	—	—	·030	Dull, with ● showers *a.* Fine *p.*
4	·11	·12	56·5	50·0	41·4	58·5	4·9	0·4	·324	·350	70	97	NW	SE	—	—	·060	Dull, with ● showers *a.* ◐ *p.*
5	·08	·10	55·5	51·0	37·0	60·5	6·4	1·4	·279	·338	63	90	N	NW	—	—	·030	● showers *p.*
6	·16	29·18	53·5	50·0	45·4	61·5	4·4	1·9	·295	·312	72	87	NW	NW	—	—	·030	Dull *a.* ● showers *p.*
7	29·14	28·92	52·5	51·0	39·9	61·5	4·4	0·9	·284	·351	72	94	NW	NW	—	—	·140	Blowy *a.* ● *p.*
8	28·73	28·92	46·5	49·0	44·4	58·5	0·4	1·9	·306	·300	97	87	N	WNW	—	—	—	Dull, with ● *a.* Fine and clear *p.*
9	28·98	29·10	54·5	48·5	42·4	62·5	7·4	0·4	·246	·330	58	97	NW	W	—	—	·050	Cold and blowy *a.* ● showers *p.*
10	29·26	·32	52·0	47·5	37·0	64·0	4·4	1·4	·279	·294	72	90	NW	NW	—	—	·030	Fine and bright *a.*
11	·34	·30	49·5	48·5	43·4	58·5	2·9	2·4	·283	·282	80	83	NE	SW	—	—	—	Dull *a.*
12	29·18	29·08	52·0	52·0	37·9	59·0	4·4	2·4	·279	·325	72	84	W	SW	—	—	·100	Fine and clear *a.* ● showers *p.*
13	28·93	28·91	56·0	57·0	47·4	60·5	1·4	0·9	·408	·437	91	94	SW	SW	—	—	·360	Blowy, with ● *a.* ● *p.*
14	28·85	29·03	58·5	54·0	53·3	66·0	3·9	1·9	·376	·363	76	87	NW	NW	—	—	·110	● showers.
15	29·09	·31	57·0	52·0	46·4	62·5	4·4	2·4	·341	·325	73	84	SW	SW	—	—	·020	Blowy *a.* Fine *p.*
16	·43	·44	57·0	54·0	38·0	64·8	4·4	2·4	·341	·350	73	84	E	SSE	—	—	—	Fine and clear.
17	·39	·25	51·0	48·5	42·9	69·0	0·9	0·9	·351	·319	94	93	S	SE	—	—	—	Dull, with ≋ (mist) *a.* Fine *p.*
18	·15	·21	56·0	50·5	42·4	59·5	3·4	0·9	·355	·344	79	93	SW	SW	—	—	—	Fine *a.* ● showers *p.*
19	·37	·53	55·5	44·0	43·4	62·5	3·9	0·9	·335	·267	76	93	SE	E	—	—	—	Blowy *a.* Fine and clear.
20	·59	·53	56·5	56·0	33·0	63·0	4·4	1·4	·336	·408	73	91	W	W	—	—	—	Fine day. Cloudy *p.*
21	·44	·33	63·0	60·5	52·3	68·0	2·9	2·4	·513	·449	84	86	SW	W	—	—	·050	Dull *a.* Fine *p.*
22	·32	·34	57·5	53·0	47·9	73·5	6·4	3·4	·302	·313	64	78	NW	NW	—	—	—	Fine and blowy.
23	·30	·22	62·0	56·0	48·9	66·0	4·4	3·4	·416	·355	75	79	W	W	—	—	·050	Blowy *a.* Fine *p.*
24	·23	·29	58·0	51·0	43·4	66·0	6·4	2·4	·309	·313	64	84	NW	NW	—	—	—	Cloudy and blowy *a.* Cold and blowy *p.*
25	·35	·35	59·0	49·5	46·4	63·5	7·4	1·4	·300	·318	59	90	NW	SW	—	—	—	Fine day.
26	·14	·17	64·0	56·0	46·4	64·0	3·4	1·9	·480	·394	80	88	SSW	SW	—	—	—	Fine day.
27	·12	·08	57·0	55·0	41·4	66·5	2·9	2·4	·380	·365	82	85	SW	SW	—	—	·360	Dull and blowy *a.* Fine and blowy *p.*
28	·03	·12	56·0	51·0	49·4	69·0	3·9	1·4	·343	·338	76	90	SW	SW	—	—	·210	Fine and blowy *a.* ● showers *p.*
29	·23	29·11	54·5	53·0	42·4	63·5	3·9	1·4	·320	·363	76	90	SW	SW	—	—	·130	Blowy *a.* Stormy ⁄ ● *n.*
30	·04	28·96	60·2	60·0	50·3	65·0	1·6	0·9	·469	·488	91	95	SW	SW	—	—	·150	● showers *a.* Blowy, with ● *p.*
31	29·10	29·18	60·0	59·0	55·3	67·0	3·4	1·9	·412	·439	80	89	SW	SW	—	—	·010	Fine *a.* Cloudy *p.*
Mean	29·164	29·183	55·7	52·0	44·4	63·2	3·8	1·6	·344	·348	76·9	89·2	—	—	—	—	2·230	

SCARBOROUGH.—JULY 1890.

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	29·13	29·45	53·3	53·9	52·4	57·1	0·3	0·1	·399	·413	98	99	NE	6	NE	5	10	10	·100	Stormy, with ● *a.*, then dull and cold.
2	·57	·58	53·6	52·8	50·0	58·0	0·7	0·1	·391	·397	95	99	W	1	SW	2	8	7	·110	● *a.* and *p.*
3	·53	·56	53·0	50·4	49·0	60·3	0·2	0·4	·397	·356	99	97	SW	2	NW	2	10	5	·060	●² showers.
4	·58	·58	57·6	50·8	44·4	60·3	2·7	0·1	·396	·369	83	99	NW	1	NW	1	5	1	·100	●² shower 11*a*. Fine and bright.
5	·50	·48	54·2	50·6	48·4	56·3	2·2	0·1	·358	·366	85	100	N	5	NW	5	5	10	·190	Fine, bright, and cold. ●² 9*p*.
6	·56	·63	54·1	52·1	49·0	57·8	1·4	1·1	·378	·360	90	92	NW	5	Calm	0	5	7	—	Fine *a.* Cold *p.*
7	·64	·50	57·6	52·9	45·2	62·7	3·8	0·7	·366	·381	78	95	W	3	SW	1	5	10	·090	Bright *a.* ● at night.
8	·18	·43	58·3	52·8	50·2	62·3	0·9	1·6	·459	·356	94	88	SW	4	SW	2	9	3	·040	● *a.* Very fine afternoon.
9	·45	·55	55·8	53·0	49·3	67·0	1·4	1·4	·404	·364	91	90	SW	2	N	3	7	1	—	Brilliant day.
10	·72	·79	55·2	51·4	48·2	59·3	3·2	1·4	·346	·343	80	90	NW	3	SE	1	3	10	—	Bright *a.* Cold wind. Cloudy afternoon.
11	·77	·80	54·4	48·6	48·6	57·1	3·4	1·1	·331	·315	78	93	NE	4	NW	1	7	1	—	Fine and bright. Very cold wind.
12	·69	·60	55·9	52·6	41·3	62·3	3·2	0·4	·357	·385	80	97	SW	2	SW	2	3	10	·040	Bright day. ● in evening.
13	·52	·48	57·4	63·9	52·0	72·3	0·5	2·0	·456	·522	97	88	SW	4	SW	6	10	5	—	● *a.*, then very fine and much warmer.
14	·37	·60	60·8	57·6	57·6	66·1	2·6	1·9	·449	·418	84	87	SW	8	SW	1	8	8	—	⁄ (gale) *a.* Very fine.
15	·62	·80	64·8	58·6	52·5	71·1	4·2	3·4	·467	·389	77	79	SW	3	SW	3	3	5	—	Brilliant and warm.
16	·92	·95	63·6	56·8	52·5	66·0	4·4	0·3	·443	·453	75	98	SW	2	S	1	4	10	·200	Bright till evening, then ●.
17	·85	·67	55·5	55·0	55·0	57·6	0·1	0·1	·437	·430	99	99	E	1	NE	3	10	10	·040	Dull day. Wet ≋ *n.*
18	·61	·66	54·3	53·9	52·7	59·8	0·1	1·2	·419	·381	99	92	NW	2	E	1	10	10	·300	Damp early *a.* and *n.*
19	29·76	29·96	53·9	52·2	51·5	57·3	1·0	3·5	·386	·301	93	77	NE	3	N	5	9	10	—	
20	30·04	30·03	57·6	52·1	49·0	60·3	6·4	2·4	·304	·327	64	83	N	5	SW	1	4	8	—	Fine day.
21	29·94	29·82	61·6	62·5	51·5	72·0	3·4	2·5	·436	·479	80	85	SW	3	W	3	5	7	—	Fine and warm.
22	·79	·81	65·4	58·1	57·8	69·4	9·8	6·4	·330	·309	52	65	NW	4	NW	2	1	4	—	Brilliant and breezy.
23	·83	·70	60·3	61·4	51·0	73·2	5·6	5·2	·358	·382	69	71	NW	3	W	7	5	10	·220	Brilliant day. ⁄
24	·67	·74	58·6	55·1	51·7	64·6	5·4	5·1	·339	·301	69	69	NW	5	NW	3	5	2	—	Brilliant and breezy.
25	·83	·87	57·6	54·2	49·0	60·2	5·7	2·0	·321	·364	68	86	NW	3	NE	2	10	1	·040	Fine and cool.
26	·72	·69	62·9	61·4	53·5	68·8	3·0	3·2	·470	·439	82	80	SW	3	SW	3	10	8	·040	● *a.* Fine afternoon.
27	·66	·63	61·3	58·1	58·1	69·2	2·5	3·6	·459	·378	85	78	SW	2	SW	2	10	5	—	Dull *a.*, then fine and warm.
28	·58	·65	64·6	55·1	52·3	68·2	6·7	4·1	·394	·324	65	75	SW	3	SW	1	5	2	—	Brilliant, with fresh breeze.
29	·74	·69	61·2	58·8	50·5	68·0	5·3	4·6	·377	·362	71	73	W	3	Calm	0	5	10	·060	● *n.* Fine day. Close evening.
30	·57	·55	61·6	65·0	53·6	71·4	3·6	4·6	·431	·459	79	75	SW	4	SW	5	5	5	—	Cloudy, with warm wind.
31	29·62	29·69	64·9	60·4	60·4	71·2	3·9	4·2	·479	·396	78	75	SW	2	SW	2	9	5	·020	Cloudy and close. Bright *p.*
Mean	29·643	29·675	58·4	55·6	51·2	64·1	3·1	2·2	·398	·381	81·8	86·3		3·3		2·5	6·6	6·5	1·650	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—JULY 1890.

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	29·32	29·58	56·8	54·7	52·4	60·9	2·0	2·7	·402	·352	87	83	NNE 6		NNE 3		9	10	·001	Squally ⁄ *a.* Cloudy day.
2	.60	·61	59·0	50·8	49·2	63·0	3·2	1·6	·402	·330	81	88	SSW 3		NW 3		7	7	·010	Fine day. ● showers at night.
3	·60	·69	52·3	50·0	47·2	61·0	0·5	2·2	·379	·304	97	85	WNW 3–4		NNW 3		9	1	·073	● showers *a.* and *n.* Day fine.
4	·63	·59	55·0	52·0	46·7	61·8	1·8	2·2	·381	·330	88	85	NW 4		NNW 4		9	7	—	Fine day.
5	·60	·71	59·0	52·2	49·5	62·0	6·0	2·0	·330	·337	66	86	ENE 4		NW 5–6		6	8	·002	Fine day. Squally ⁄ *p.*
6	·71	·76	54·8	51·0	50·1	60·8	2·8	2·0	·351	·323	82	86	NNW 5		NW 3		10	7	—	Squally ⁄ *a.* Cloudy, with fresh breeze.
7	·67	·33	56·7	53·8	45·2	58·0	3·4	0·0	·363	·415	79	100	SSW 3		SE 4		7	10	·722	Cloudy *a.* Overcast, with ● *p.*
8	·34	·48	54·4	51·3	50·0	59·4	1·1	1·3	·391	·344	93	91	NW 6–7		W 4		6	10	·090	Cloudy, with squally ⁄ *a.* ● at night.
9	·55	·69	56·2	51·8	51·3	61·0	4·0	2·8	·342	·313	75	81	NW 5		NNW 5		3	2	—	⁄ *a.* Fine day.
10	·83	·85	55·8	50·3	49·0	59·7	4·1	2·7	·335	·297	75	82	NW 5		NW 2		7	10	—	Dull day.
11	·84	·84	59·2	47·8	47·8	62·2	4·8	1·8	·362	·288	72	87	N 4		NW 1		3	7	—	Fine day.
12	·71	·56	52·8	55·0	45·0	55·3	1·6	0·8	·355	·409	88	94	SW 3		W 2		10	10	·322	Overcast, with ●. [(mist) *p.*
13	·51	·42	58·0	55·3	53·3	64·0	1·1	0·3	·448	·429	92	98	WSW 4–5		SSW 5		10	10	·100	● showers *a.* Dull day. ⁄ ≋
14	·48	·55	56·7	54·9	53·3	60·0	2·4	0·6	·389	·414	85	96	WSW 5		SW 3		9	10	·072	● ⁄ *a.* Cloudy day. ● *p.*
15	·66	·81	55·9	55·8	50·6	62·7	1·7	1·8	·398	·393	89	88	WSW 5		WNW 1		9	7	—	⁄ *a.* Fine day.
16	·94	·95	62·0	52·3	46·8	64·0	5·7	0·9	·380	·368	69	94	SE 2		NW 2		3	6	—	Fine day. ◐ 9*p*.
17	·86	·75	57·8	52·3	51·2	63·4	2·5	2·0	·404	·339	84	86	NW 2		NNW 4		10	3	—	Overcast *a.* Fine afternoon. ◐ *p.*
18	·68	29·66	60·6	53·2	48·7	61·6	3·9	0·4	·407	·394	78	98	W 2		SSE 1		7	10	·028	Cloudy *a.* Overcast *p.* ● 5*p*.
19	29·87	30·05	61·2	53·7	52·5	67·0	4·3	1·7	·405	·364	76	88	NE 4–5		NNW 3		2	4	—	⁄ *a.* Fine day.
20	30·11	30·07	60·6	57·0	51·0	65·2	3·9	0·6	·407	·446	78	96	NW 4–5		WNW 2		7	10	·075	⁄ *a.* Fine day. ● at night.
21	30·01	29·91	62·5	61·0	56·0	67·8	2·1	2·0	·494	·470	87	88	WNW 5		W 5		6	10	·001	⁄ *a.* Cloudy day.
22	29·95	·96	61·7	55·0	53·6	67·8	5·0	2·0	·394	·375	73	87	WNW 5		SW 1		3	3	—	⁄ *a.* Very fine day.
23	·93	·81	63·4	59·8	52·2	69·0	2·4	0·8	·500	·488	86	95	WNW 6–7		W 5		8	10	·320	Cloudy, with squally ⁄ ●. ● *n.*
24	·83	·88	57·3	53·8	52·0	61·8	3·3	1·0	·374	·385	80	93	NW 5		NW 2		7	8	·007	⁄ ● *a.* Cloudy day.
25	·90	·82	59·8	56·0	52·2	63·7	4·0	1·0	·392	·419	76	93	NW 2		ESE 3		3	10	·367	Fine day. ● *n.*
26	·67	·70	60·0	56·7	55·2	63·5	0·4	0·5	·505	·445	98	96	SW 3–4		NW 2		10	7	—	Dull day.
27	·66	·61	59·0	56·0	50·2	62·0	2·8	0·8	·413	·425	83	94	SW 4		SW 2		8	10	·078	Dull day. ● from 3*p*.
28	·60	·70	58·3	56·0	52·0	61·8	3·4	1·6	·386	·402	80	89	WSW 5–6		Calm 0		3	7	—	Squally ⁄ *a.* Fine day. ◐ *p.*
29	·77	·63	59·4	56·2	48·7	61·2	3·1	0·2	·411	·446	82	99	SW 4		SSW 6–7		7	10	·338	Dull day. Squally ⁄ ● *p.*
30	·57	·53	58·8	59·6	50·2	65·9	0·5	0·2	·480	·504	97	98	SSW 4		WSW 5		10	10	·077	Overcast. ⁄ ● *p.*
31	29·63	29·68	62·7	57·3	54·7	65·0	3·1	1·3	·466	·430	82	91	WSW 5		Calm 0		4	4	—	⁄ *a.* Fine day. ◐ *p.*
Mean	29·711	29·714	58·3	54·3	50·6	62·7	2·9	1·3	·401	·386	82·5	90·8		4·2		3·0	6·8	7·7	2·683	

STONYHURST.—JULY 1890.

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	28·95	29·29	57·1	52·7	50·5	60·8	4·0	2·5	·353	·331	76	83	NEb.N 3		NbyE 1		10	9	·044	Squally *a.* Overcast, with ●.
2	29·38	·38	56·1	54·0	49·0	62·6	2·9	2·5	·369	·347	81	83	N by E 1		W 1		10	8	·106	Overcast, with ● *a.*
3	·34	·42	57·0	50·5	48·7	58·1	6·6	2·3	·291	·309	63	84	WbyS 2		NbyW 1		10	10	·364	▲ ● 7·15*a*. ●² showers. T 5*p*.
4	·42	·35	54·9	51·4	45·0	60·7	4·9	2·5	·393	·317	70	83	WNW 1		NNE 1		4	10	·040	
5	·32	·35	57·2	52·2	48·0	60·6	7·4	3·0	·278	·313	59	80	NNE 1		NbyW 1		8	10	·150	● showers *p.*
6	·43	·49	54·3	50·9	50·0	57·1	5·3	3·0	·286	·298	68	80	NWb.N 2		WbyN 2		10	10	—	Overcast.
7	·46	·21	54·5	52·3	48·1	60·5	4·9	1·4	·297	·354	70	90	WbyS 2		S 2		10	10	·270	Cloudy. Overcast, with ● *p.*
8	·02	·26	54·5	49·5	48·8	57·8	1·5	2·3	·381	·297	90	84	WbyN 3		W 1		10	8	·323	● *a.* Overcast and cloudy.
9	·27	·38	53·2	51·8	48·6	58·6	2·1	2·6	·347	·318	86	82	WbyS 2		WNW 2		10	2	—	Overcast, then sunny.
10	·55	·59	55·6	50·8	44·8	58·6	6·6	2·8	·276	·301	62	81	NWb.W 2		Calm 0		7	10	·013	Sunny *a.* Overcast and cloudy *p.*
11	·57	·60	49·1	49·2	47·1	57·1	2·0	1·4	·299	·315	86	91	NbyE 1		Calm 0		10	10	·026	Overcast, with ● showers *p.*
12	·49	·36	51·8	52·4	42·9	55·6	2·3	1·1	·326	·363	85	92	SWbW 1		Calm 0		10	10	·168	● showers *a.* Overcast.
13	·33	·28	58·4	60·3	51·8	67·3	2·5	2·8	·413	·434	84	83	SW 1		SWbyS 2		10	10	·089	Overcast and cloudy.
14	·26	·38	56·3	54·3	53·8	61·1	3·1	3·5	·366	·327	80	78	WbyS 4		SWbyW 1		7	10	·043	Squally *a.* Overcast, with ● showers.
15	·43	·61	58·5	55·6	50·2	63·5	5·1	2·7	·346	·367	70	82	WbyS 2		W 1		9	7	—	Sunny day.
16	·71	·72	60·1	56·2	52·2	67·8	4·0	1·2	·397	·416	77	92	Calm 0		Calm 0		7	10	·348	∞ *a.* Overcast, with ●⁰*p*.
17	·63	·49	54·0	54·9	52·5	62·2	1·1	1·9	·385	·376	92	88	NEbyN 1		NNE 1		10	10	—	Overcast and cloudy.
18	·45	·42	58·7	51·5	51·0	62·0	4·4	1·2	·366	·349	74	91	W 2		NNW 1		9	7	·207	Overcast, with ●.
19	·58	·78	56·1	54·9	50·4	63·5	3·2	4·3	·362	·317	79	74	NE 1		NEbyE 1		10	10	—	Cloudy day.
20	·86	·86	59·3	55·2	43·5	64·3	5·2	2·7	·354	·360	70	83	WSW 1		WNW 2		8	5	·202	∞ *a.* Cloudy day.
21	·77	·69	59·8	59·6	53·8	67·6	1·4	0·6	·469	·491	91	96	W 2		WSW 2		10	10	·194	Cloudy and overcast. ●⁰*p*.
22	·69	·69	59·2	55·6	54·6	64·5	4·7	4·1	·365	·332	73	75	WbyN 3		WNW 3		4	4	—	Sunny *a.* Cloudy *p.*
23	·71	·58	59·0	59·4	53·4	65·7	2·5	1·9	·422	·447	85	89	W 3		WbyS 3		10	10	·190	●⁰*a.* Overcast. Squally *p.*
24	·54	·60	57·7	53·1	52·5	60·3	5·1	3·6	·335	·310	70	76	NWb.W 3		W 1		4	2	—	Sunny day.
25	·66	·62	57·3	57·6	50·8	64·7	4·5	3·2	·343	·382	73	80	WbyN 1		Calm 0		8	6	·690	Sunny day.
26	·51	·49	58·9	58·3	54·8	62·1	1·0	0·4	·465	·474	94	97	SW 2		SW 1		10	10	·403	Overcast, with ●.
27	·46	·43	60·5	55·5	55·3	64·9	2·9	1·3	·436	·403	84	91	SW 2		Calm 0		8	10	·013	Cloudy day. ●⁰*p*.
28	·39	·47	59·2	55·3	49·6	61·7	5·1	2·7	·355	·362	71	83	WSW 3		WSW 1		9	7	—	Cloudy day.
29	·55	·49	59·0	54·3	49·5	63·1	5·1	2·0	·352	·365	71	86	WbyS 3		SW 1		10	10	·202	Cloudy and overcast. ● *p*
30	·38	·33	61·8	63·3	53·4	65·6	2·4	2·3	·472	·502	85	86	swbyw 2		SW 3		10	10	·050	Overcast and gloomy. ● *p*
31	29·42	29·50	61·5	59·8	57·2	68·6	2·7	2·5	·458	·404	84	84	WbyS 1		WbyS 1		10	10	—	Overcast and cloudy *a.* Sunn *p.*
Mean	29·467	29·487	57·1	54·5	50·4	62·2	3·8	2·3	·363	·364	77·5	84·7		1·9		1·2	8·8	8·5	4·225	

HILLINGTON.—JULY 1890.

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.

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	29·17	29·46	59·3	52·5	47·2	66·5	4·5	0·8	·370	·373	73	94	SW	1	NE	1	2	5	·010	Fine and sunny. Much cir. all day.
2	·66	·70	59·6	53·3	52·5	66·0	3·7	0·6	·399	·389	78	96	NW	3	S	1	9	10	·208	● 0 showers. ϒ 6p. [♁ p.
3	·64	·68	56·6	53·7	51·5	63·6	1·7	4·0	·409	·308	88	74	W	1	NW	4	10	6	·060	Overcast and very gloomy. ◞ ●2
4	·72	·60	57·8	53·7	41·2	65·4	5·0	2·0	·339	·357	71	87	W	1	SE	1	4	9	·150	Much cir. p. [11a.
5	·47	·55	52·3	52·0	49·4	56·5	2·0	1·2	·339	·356	86	92	NE	6	N	5	10	10	·120	●2 3a.—8a. Blustering. ●2 p.
6	·66	·77	51·6	51·9	49·3	56·4	0·9	2·2	·358	·329	94	86	NW	6	NW	1	10	10	·003	●2 2a. Overcast all day. ◞
7	·80	·66	56·9	53·0	49·1	64·9	5·2	1·5	·322	·361	69	90	W	5	SW	3	4	10	·070	
8	·40	·58	58·3	50·0	49·6	68·5	7·4	2·3	·443	·303	90	84	W	3	W	0·5	10	0	·118	Overcast. ●2 in evening.
9	·62	·67	59·5	53·5	44·6	61·0	3·8	0·4	·394	·399	77	97	N	2	N	1	8	6	—	
10	·83	·87	58·2	53·5	42·6	65·7	3·7	2·8	·377	·334	78	81	NW	2	W	1	7	10	·017	
11	·78	·88	53·2	47·0	46·1	60·4	1·3	1·2	·369	·294	91	92	NE	2	NE	1	10	4	—	
12	·83	·81	57·8	53·5	38·4	63·4	4·6	1·0	·349	·381	73	93	W	2	W	1	10	10	·028	
13	·71	·69	58·1	61·4	50·9	74·5	2·1	3·1	·419	·443	86	82	SW	4	SW	4	10	6	—	● showers p.
14	·64	·75	65·0	61·2	57·9	71·1	2·4	1·8	·533	·479	86	89	SW	8	SW	2	9	10	·520	
15	·75	·90	62·9	56·3	56·3	71·5	4·2	0·7	·434	·431	76	95	SW	3	W	1	6	10	—	◞ a.
16	·99	·98	66·5	59·9	51·0	70·7	7·6	1·3	·400	·472	62	93	NE	2	E	2	1	9	·010	●2 early a. ♁2 p.
17	·87	·67	66·3	59·1	57·1	74·1	3·7	1·4	·511	·456	79	91	S	0·5	E	1	7	10	·870	Very fine and sunny. Much cir. a.
18	·69	29·76	54·4	57·0	54·2	65·6	0·7	1·5	·403	·419	96	99	NW	1	NE	4	10	10	·525	< ●2 p.
19	29·74	30·02	55·0	53·5	51·1	62·0	1·2	3·7	·397	·313	92	76	NE	4	N	2	10	5	·012	●2 till 5a.
20	30·11	30·13	53·9	51·3	50·2	62·7	4·0	1·6	·311	·336	74	89	N	2	N	1	10	10	—	●2 early a. ● showers a. and 4p.
21	30·07	29·98	61·3	63·8	44·2	68·8	4·0	2·2	·415	·512	77	88	SW	2	W	1	10	10	—	Cloudy, then sunny. Much cir. p.
22	29·92	·93	65·8	58·4	58·3	70·4	6·1	4·6	·428	·357	69	73	W	5	W	2	3	4	·018	∞ ♁ p. [♁2 p.
23	·99	·87	62·1	64·9	48·7	73·4	5·6	4·2	·384	·469	70	77	NW	5	NW	5	6	6	—	Fine and sunny. Much cir. all day.
24	·80	·86	62·9	54·0	54·0	68·4	6·1	3·3	·382	·329	67	78	NW	5	NW	2	2	1	—	
25	·94	·96	63·1	54·9	47·2	67·6	5·4	2·1	·389	·371	71	87	NW	5	NW	2	2	1	—	Very fine and sunny. ♁ p.
26	·89	·85	64·1	63·1	52·4	71·3	2·9	3·3	·494	·464	83	80	SW	4	SW	2	7	8	·194	♁ p.
27	·83	·77	61·4	60·1	55·1	69·5	1·9	0·7	·479	·496	89	95	SW	4	SW	4	8	7	—	Overcast from 3.30p.
28	·70	·78	61·8	56·9	56·3	71·3	2·9	1·7	·456	·413	83	89	SW	4	SW	4	10	10	·300	Overcast. ●2 p.
29	·88	·84	61·9	57·7	44·1	69·4	4·9	3·1	·400	·385	72	81	SW	2	SW	1	8	9	·010	●2 early a.
30	·77	·77	59·9	63·9	54·2	70·3	2·2	1·6	·444	·537	87	91	SW	3	SW	0·5	2	7	·032	Fine and sunny. Much cir. Ψ 9p.
31	29·80	29·83	68·9	64·0	61·1	74·0	4·1	1·8	·548	·531	77	89	SW	3	SW	2	10	10	·070	Overcast, then sunny. Ψ 9p.
																				Fine day. ● showers.
Mean	29·763	29·790	59·9	56·4	50·5	67·3	3·5	2·1	·410	·400	79·5	87·1		3·2		2·0	7·5	7·7	3·345	

CHURCHSTOKE.—JULY 1890.

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	28·72	29·12	54·7	53·3	40·6	57·6	1·3	0·9	·389	·381	92	94	NNW	2	NW	2	10	10	·042	Gloomy, with cold wind and ●.
2	29·22	·23	58·5	48·4	44·5	63·3	3·3	0·6	·391	·324	79	96	WNW	2	NW	1	9	9	·012	
3	·20	·29	55·9	48·9	47·9	59·4	5·1	1·5	·311	·308	69	90	SW	2	WSW	2	8	4	—	♁
4	·23	·13	56·9	50·1	38·0	58·3	4·4	1·3	·340	·328	73	91	W	2	SW	1	8	6	—	
5	·10	·22	52·7	46·8	46·3	61·4	3·7	1·9	·303	·275	76	86	NNW	2	W	1	9	8	·060	Cold wind. ♁
6	·27	·37	52·9	47·9	46·1	57·0	1·9	1·5	·349	·296	87	90	W	3	W	1	10	10	·028	Cold wind. ● showers.
7	29·31	·01	56·9	51·7	41·0	61·8	5·7	1·5	·311	·344	66	89	SSW	2	SSE	4	6	10	·040	Cold ● showers.
8	28·89	·15	59·4	44·8	44·0	61·9	2·6	0·9	·425	·276	85	93	SW	3	W	2	10	6	·108	
9	29·11	·24	54·7	46·0	44·0	61·2	0·9	1·1	·401	·284	95	92	NNE	1	NW	1	10	0	·070	Gloomy. ● till noon.
10	·40	·42	57·2	45·8	38·4	61·0	5·2	1·3	·325	·277	69	91	NW	2	NW	1	8	6	·050	
11	·39	·42	50·9	47·5	44·2	61·3	2·9	0·8	·299	·308	81	94	NNW	1	NW	1	10	4	—	
12	·34	·21	54·7	53·9	38·0	55·3	3·9	1·9	·323	·362	76	87	SW	2	SW	3	10	10	·045	
13	·20	·15	61·4	59·0	53·6	65·5	2·5	2·0	·462	·436	85	88	SW	2	SW	2	10	10	—	
14	·16	·22	58·0	55·9	55·8	66·7	4·8	2·9	·346	·364	72	82	W	2	WSW	2	8	10	—	
15	·30	·47	59·9	48·7	45·6	66·8	4·9	1·8	·370	·298	71	87	W	3	W	1	9	2	—	Bright day.
16	·51	·50	62·0	54·8	41·1	69·7	7·0	1·8	·348	·377	62	88	NNW	2	NNW	2	8	10	·322	Bright and hot, but very close.
17	·41	·30	54·9	53·7	52·9	68·8	0·9	1·5	·404	·370	94	89	NNW	2	NNW	2	10	10	·010	≋ a. Gloomy day.
18	·29	·18	59·8	54·1	47·0	62·4	6·6	0·3	·328	·410	64	98	NW	2	SE	2	9	10	·240	● in evening.
19	·37	·64	53·9	49·7	47·8	62·9	1·7	1·7	·367	·313	88	88	NNW	2	NW	1	10	2	—	Cool wind. Gloomy.
20	·67	·69	59·8	54·3	42·8	67·1	6·0	2·1	·342	·362	67	86	NW	2	NW	1	8	10	·210	Bright and breezy.
21	·61	·56	59·9	62·0	53·0	71·3	1·0	2·1	·482	·483	94	87	NW	1	W	3	10	9	—	Gloomy and close.
22	·55	·55	62·0	58·0	57·7	66·4	7·8	2·0	·329	·421	59	87	NW	2	W	2	8	6	—	Bright and breezy.
23	·59	·45	60·2	61·0	56·8	70·1	2·7	2·1	·434	·467	84	87	WNW	3	WSW	4	8	8	—	Fresh and pleasant.
24	·43	·47	60·0	50·7	50·1	65·9	2·1	1·7	·449	·327	87	88	W	2	W	1	8	0	·045	●2 showers.
25	·50	·42	60·0	58·0	48·1	67·9	5·6	1·6	·355	·433	68	89	NW	2	SSE	3	6	10	·010	Bright, clear, and hot.
26	·38	·34	64·0	58·8	57·0	69·4	5·3	1·5	·421	·449	71	91	W	4	SE	4	9	10	·070	Squally.
27	·32	·26	60·0	53·7	53·0	66·3	5·0	1·5	·369	·370	71	89	SW	2	WSW	2	9	6	—	♁
28	·24	·35	59·8	52·4	46·1	65·9	5·3	1·4	·358	·356	70	90	W	4	NW	1	6	6	—	♁
29	·41	·32	61·0	55·9	46·4	65·9	6·4	2·4	·348	·377	65	85	WSW	2	SW	2	8	10	·130	Breezy and threatening.
30	·24	·24	66·8	62·2	54·0	69·3	4·7	1·8	·487	·496	75	89	SSW	3	WSW	2	9	5	·240	Squally.
31	29·28	29·35	62·0	56·5	55·0	69·5	1·3	1·5	·511	·412	92	90	SW	2	W	2	10	5	·250	Warm, with ● showers.
Mean	29·310	29·332	58·4	53·0	47·6	64·4	4·0	1·6	·377	·364	77·0	89·4		2·2		1·9	8·7	7·2	1·982	

CARMARTHEN.—JULY 1890.

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.						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	29·12	29·48	61·3	55·7	46·6	65·0	4·0	2·3	·415	·377	77	85	N	5	N	4	7	6	—	
2	·60	·62	60·8	52·7	51·4	62·9	4·6	1·3	·391	·362	74	91	SW	1	NW	1	8	9	·020	Dull, with ● 0 showers.
3	·64	·68	59·2	52·2	51·6	62·0	7·8	2·1	·294	·335	58	86	NW	3	SW	1	5	1	—	
4	·60	·47	62·8	52·9	43·6	65·0	9·0	2·5	·312	·334	55	84	Calm	0	NE	2	5	7	·050	
5	·49	·62	54·4	51·0	50·0	65·2	1·8	2·3	·371	·315	88	84	NW	1	NW	1	10	0	·370	● 9p.—11p.
6	·70	·76	54·7	50·7	48·7	59·7	3·3	2·3	·338	·311	78	85	N	2	W	1	10	5	—	
7	·69	·29	58·8	55·0	46·3	60·2	6·2	0·0	·324	·433	65	100	SW	6	SW	5	8	10	1·030	● from 11.30a. Overcast day.
8	·33	·50	56·3	54·7	54·6	60·0	1·2	1·3	·418	·389	92	92	NW	2	SW	2	10	10	·320	Dull day.
9	·48	·63	56·5	49·7	49·6	63·8	0·7	2·3	·434	·299	96	85	N	1	NW	1	10	0	·020	●0 a. Fine p.
10	·81	·80	64·0	51·0	42·1	64·2	9·1	2·3	·327	·315	55	84	NW	1	SW	2	6	10	·070	Dull day.
11	·79	·82	52·5	51·4	47·5	59·1	3·6	4·0	·302	·279	76	74	N	1	N	2	9	2	·040	
12	·73	·59	54·7	56·5	43·4	57·7	2·3	0·0	·364	·457	85	100	SW	1	Calm	0	10	10	·150	Overcast, with ●0 all day.
13	·62	·51	57·8	57·5	53·5	60·9	0·5	0·2	·462	·467	96	98	SW	2	SW	4	10	10	·030	Overcast, with ●0 all day.
14	·56	·59	59·8	56·5	55·9	64·7	3·6	1·4	·404	·415	78	91	SW	4	SW	1	10	10	·010	
15	·69	·84	61·6	51·2	48·8	65·2	7·2	0·5	·338	·364	62	97	SW	4	Calm	0	10	0	—	Fine day.
16	·89	·85	59·8	55·5	47·0	63·2	3·6	1·1	·404	·407	78	93	W	1	N	1	7	10	·570	Overcast day. ● p.
17	·76	·65	60·0	56·3	54·0	63·9	2·2	3·9	·446	·344	87	75	N	1	N	4	10	8	—	Dull day.
18	·70	·56	57·8	58·0	48·0	59·2	2·9	0·3	·393	·472	82	98	W	2	SW	2	10	10	·310	Overcast day. ● from 11a.
19	29·76	29·97	59·3	55·7	54·8	66·6	3·3	2·3	·403	·377	80	85	N	1	N	2	9	0	—	Fine day.
20	30·10	30·07	65·1	56·3	48·5	66·6	8·2	2·9	·362	·369	59	81	N	2	N	1	6	10	·010	Fine day.
21	30·03	29·97	62·3	62·8	54·4	71·8	1·5	1·7	·509	·511	91	90	N	2	SW	1	10	10	—	
22	29·96	·99	66·6	59·8	58·4	67·2	6·5	1·5	·431	·465	67	91	NW	3	Calm	0	9	10	—	
23	30·02	·89	65·8	61·2	57·8	74·7	4·5	2·1	·477	·470	76	88	NW	2	NW	2	8	8	—	Fine day.
24	29·81	·86	63·3	51·5	50·8	69·2	3·7	2·1	·456	·325	78	86	NW	1	N	2	8	2	—	
25	·90	·83	68·2	59·4	48·0	69·1	9·7	0·3	·371	·496	54	99	Calm	0	SW	1	6	10	·090	Fine a. Overcast, with ● p.
26	·79	·70	63·2	59·6	57·3	68·3	2·6	0·3	·489	·500	84	98	SW	3	SW	4	10	10	·140	Fair a. Overcast, with ● p.
27	·70	·62	63·4	56·7	54·4	66·2	5·6	1·3	·403	·421	69	92	SW	1	SW	1	9	9	—	
28	·66	·72	61·8	54·5	51·0	65·4	7·2	1·6	·340	·378	62	89	W	2	W	1	6	9	—	
29	·80	·71	59·3	58·1	48·0	65·2	4·4	2·1	·373	·419	74	86	SW	2	SW	4	10	10	·240	Fair till 7p., then ● showers.
30	·65	·64	60·1	61·0	56·0	63·4	0·4	0·3	·505	·526	97	98	SW	4	SW	5	10	10	·690	Overcast, with ● all day.
31	29·66	29·72	60·8	58·2	57·8	66·8	0·3	0·7	·522	·464	98	96	SW	5	SW	1	10	8	·470	● till 1p. Overcast day.
Mean	29·710	29·708	60·4	55·6	51·0	64·6	4·2	1·6	·399	·400	76·5	89·7		2·1		1·9	8·6	7·2	4·630	

MARGATE.—JULY 1890.

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	29·19	29·45	52·7	55·1	47·1	62·8	2·1	2·8	·342	·356	86	82	Calm	0	Calm	0	10	2	·050	●2 a. Fine p.
2	·68	·76	58·8	56·7	51·9	65·2	3·2	0·9	·399	·433	81	95	W	2	W	1	10	9	·020	Fine a. ● showers.
3	·69	·76	57·8	55·5	51·6	63·6	2·8	1·7	·396	·389	82	89	SW	2	W	3	10	7	·070	● showers.
4	·77	·60	58·3	52·7	44·9	62·8	5·5	0·9	·333	·373	68	94	SW	1	Calm	0	6	10	1·800	● in evening.
5	·29	·55	54·9	53·9	51·1	56·8	0·8	2·1	·407	·357	95	87	NE	3	NW	4	10	7	·790	●2.
6	·69	·82	53·0	53·3	51·8	58·0	2·1	1·0	·345	·378	85	93	SW	3	W	1	10	10	—	Dull day.
7	·86	·78	58·3	53·1	51·2	62·7	5·6	1·2	·331	·370	68	91	SW	3	SSW	2	6	10	·290	Dull and cool.
8	·45	·62	56·4	60·2	50·4	67·0	0·4	1·2	·443	·480	97	93	S	4	SW	3	10	9	·050	
9	·68	·63	57·5	58·0	54·3	61·0	1·5	0·6	·428	·464	90	96	SW	3	SSW	1	10	10	·130	● from noon.
10	·84	·86	59·0	56·0	51·1	66·0	5·0	2·8	·355	·367	71	82	WNW	1	SW	1	0	10	·560	Fine day.
11	·78	·86	52·3	53·1	50·3	57·1	1·3	5·1	·357	·276	91	68	NW	1	N	2	10	0	·030	ϒ2 early a. Frequent ● showers.
12	·88	·82	56·0	51·4	49·5	61·2	5·2	1·4	·309	·343	69	90	SW	1	W	2	7	5	—	Fine day.
13	·80	·81	58·2	58·0	50·2	64·7	2·1	1·3	·421	·441	87	91	SW	3	SW	3	10	9	—	Dull, then sunny.
14	·78	·83	61·5	58·2	58·0	66·7	2·7	0·8	·457	·461	84	95	SW	4	SW	1	10	6	—	Fine day.
15	·80	·92	65·0	61·0	56·3	72·0	3·3	3·2	·500	·433	82	81	SW	1	SW	1	9	0	—	Fine and warm.
16	·99	·98	62·2	60·0	58·2	69·8	4·4	2·8	·419	·428	75	83	SW	1	SE	1	0	5	—	Beautiful day.
17	·84	·67	66·0	61·0	58·2	68·0	3·2	1·0	·522	·501	82	94	ESE	2	E	2	5	5	·280	ϒ 4p.
18	·72	·80	57·7	55·5	55·1	66·0	1·1	1·5	·443	·396	93	90	W	2	SW	3	10	10	·280	
19	29·64	29·99	58·2	55·8	54·8	60·0	1·2	3·8	·447	·340	92	76	W	3	N	3	10	4	—	
20	30·10	30·10	55·7	52·1	51·7	61·0	4·1	1·6	·331	·346	75	89	SW	3	NE	1	10	0	—	Fine day.
21	30·12	30·06	60·9	59·0	47·1	68·0	3·8	2·0	·415	·436	78	88	W	1	E	1	3	1	·020	Very fine day. Pretty sunset.
22	29·95	29·96	65·5	63·1	58·0	71·0	3·5	4·4	·501	·433	80	75	SW	2	SW	1	9	3	—	Fine day. Pretty sunset.
23	30·04	·98	63·0	64·7	57·6	72·6	5·0	3·7	·413	·482	72	79	W	3	NW	2	5	0	—	Fine day.
24	29·88	29·88	64·2	60·2	57·8	70·1	8·9	2·5	·467	·441	78	85	SW	3	W	1	4	7	—	Fine day.
25	·97	30·01	59·2	55·9	54·1	66·1	5·4	2·3	·346	·379	69	86	NW	1	W	1	1	4	—	Fine day.
26	·98	29·95	61·8	58·0	53·1	65·9	4·2	1·0	·416	·451	76	93	SSW	3	SW	3	10	0	—	Fine day.
27	·91	·85	65·0	58·2	51·7	70·0	6·0	1·3	·419	·444	68	91	SSW	3	SSW	2	7	4	—	Fine day.
28	·77	·84	65·4	58·6	56·1	69·1	2·4	3·7	·539	·382	86	78	SW	2	SW	2	9	2	·020	Dull day.
29	·92	·93	62·0	54·8	48·0	68·7	6·0	2·0	·371	·373	67	88	W	1	SW	2	1	4	—	Beautiful mackerel sky.
30	·87	·88	61·8	63·0	51·8	70·8	6·2	3·1	·362	·469	66	82	SW	3	W	4	10	10	—	Fine day.
31	29·91	29·93	67·0	62·0	59·8	70·4	3·1	1·3	·545	·509	83	92	W	4	W	1	9	3	—	Fine day. Pretty sunset.
Mean	29·800	29·834	59·8	57·4	53·0	65·6	3·5	2·1	·412	·411	79·9	87·0		2·2		1·8	7·5	5·4	4·390	

SOUTHAMPTON.—JULY 1890.

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	29·22	29·51	61·7	57·7	48·9	69·1	4·9	2·0	·397	·417	72	87	W 1·5	NW 1·5	9	9	—	Beautiful day.
2	·73	·76	65·9	56·8	55·1	69·6	6·4	1·2	·422	·426	67	92	NE 1	SW 1	8	10	·055	Beautiful *a.* ●² noon. ┳ [evening. 1*p.* Fine
3	·73	·81	62·6	53·9	53·1	67·5	5·0	2·8	·409	·338	72	82	W 1·5	W 1	9	2	·067	Beautiful *p.* ⌓ *n.*
4	·77	·54	61·8	50·5	46·4	63·6	5·7	0·7	·377	·350	69	95	SW 1	NE 2	7	10	·451	Beautiful *a.* ● from noon.
5	·45	·68	52·3	53·7	48·9	62·0	0·9	2·6	·368	·341	94	83	N 3	NW 1·5	10	7	·010	● till 11*a.*, then fine.
6	·77	·88	58·0	55·0	46·0	66·6	3·8	1·4	·372	·392	77	91	NW 2	NW 1	8	9	·017	Fine and pleasant *a.* ● showers *p.*
7	·90	·69	61·5	54·0	46·0	65·3	4·9	1·1	·393	·385	72	92	W 2	SW 3·5	10	10	·713	Beautiful *a.* ● from 3.30*p.*
8	·47	·67	57·9	59·0	52·8	70·2	0·9	3·1	·452	·404	94	81	WSW 2·5	W 1·5	10	10	·012	● till 5*a.* ● shower noon. Fine *p.*
9	·68	·70	59·5	56·8	56·1	61·6	3·2	0·4	·410	·449	81	97	SW 2·5	Calm 0	10	10	·116	● most of day.
10	·91	·89	63·6	57·7	47·2	70·3	6·0	3·0	·396	·390	68	81	NW 1·5	NW 1	2	10	·010	Beautiful day. Overcast evening.
11	·84	·91	57·5	53·8	49·7	62·7	4·9	2·1	·336	·356	71	86	N 3	NW 1	7	10	—	Fine and pleasant, but cool.
12	·91	·82	60·5	54·1	46·8	64·4	4·8	1·5	·381	·376	73	89	WNW 1	SW 3	10	10	·029	Beautiful *a.* ● 3·45*p.*–4.30*p*
13	·79	·80	62·5	58·1	53·8	66·7	2·7	0·5	·474	·468	84	96	SW 2	SW 3·5	10	10	·072	Fine day. ● from 6.15*p.*
14	·80	·79	59·7	59·6	57·0	64·0	1·1	0·9	·477	·482	94	94	SW 2·5	SW 1	10	10	·007	● early *a.* ● 1*p.*—2.30*p.*
15	29·81	·97	68·6	61·7	57·9	75·0	6·1	4·2	·478	·417	69	76	NW 2	NW 1	5	3	—	Beautiful day throughout.
16	30·02	·96	68·5	63·7	49·9	75·4	7·6	3·5	·432	·471	62	79	SW 1	Calm 0	1	9	—	Beautifully fine and warm.
17	29·83	·73	66·4	60·5	59·5	69·6	4·2	0·4	·498	·514	77	98	ENE 1	W 1·5	10	10	2·065	● noon—2*p.* ⛉ ● ² 3*p.* ● ² all [the evening.
18	·83	29·75	64·9	57·9	55·8	69·5	5·1	0·3	·443	·470	72	98	WNW 2	SW 2	7	10	·258	Beautiful *a.* ● 4*p.*–10*p.*
19	29·79	30·09	60·9	55·6	55·5	64·8	2·9	1·9	·440	·389	83	87	NW 2	NW 1	8	1	—	Fine and pleasant.
20	30·19	·18	60·2	53·7	47·9	71·0	5·1	1·7	·370	·425	71	89	N 1·5	W 0·5	10	3	·030	Beautiful day. ⌓ *n.*
21	·15	·13	58·0	60·4	52·3	63·6	1·5	0·8	·436	·499	90	96	NW 1	SW 1	10	10	—	
22	·04	·06	66·0	62·0	57·7	75·4	5·2	4·0	·458	·427	72	77	NW 2	NW 1	9	1	—	Beautiful day.
23	30·13	30·05	70·1	63·7	57·3	76·6	6·5	2·9	·494	·491	68	83	NW 2	SW 1·5	9	1	—	Beautifully fine and warm.
24	29·93	29·93	67·7	62·0	57·1	74·7	6·1	2·5	·463	·472	68	85	NW 2	NW 1·5	9	2	—	Beautiful day.
25	30·04	30·04	67·5	60·2	51·5	72·1	7·9	3·5	·408	·413	60	79	NW 1	SW 1·5	7	10	·070	Beautiful day. ● 10.30*p.*
26	29·98	29·97	63·5	59·3	58·2	70·5	2·0	2·7	·516	·420	88	84	SW 2	SW 2	10	1	—	Dull *a.* Beautiful *p.*
27	·92	·84	62·9	59·5	57·1	69·1	4·3	1·5	·432	·460	75	91	SW 4	SW 2	10	4	·009	Dull *a.* Beautiful *p.*
28	·79	·88	64·2	57·4	57·4	75·1	4·4	3·1	·452	·381	75	81	NW 1·5	WNW 0·5	9	0	—	Beautiful day.
29	·96	·94	67·3	57·6	49·8	70·5	6·5	1·8	·444	·421	66	88	W 1·5	SW 1·5	7	3	—	Beautiful day throughout.
30	·89	·91	59·9	61·7	55·8	65·2	0·7	1·0	·490	·516	95	94	SW 3	SW 2·5	10	10	·014	
31	29·91	29·93	62·3	61·9	60·8	65·2	0·5	0·5	·545	·537	97	97	SW 2·5	SW 2	10	10	·026	Very close all day. ● ⁰ showers.
Mean	29·844	29·863	62·7	58·2	53·2	68·6	4·3	1·9	·434	·429	76·6	88·0		1·9		1·5	8·4	6·9	4·031	

BABBACOMBE.—JULY 1890.

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	29·03	29·36	54·6	55·0	48·2	64·1	1·7	2·0	·378	·375	89	87	W 3	NW 3	10	1	·030	● showers till 6*p.* ≋⁰ (mist). ⌓⁰*p.*
2	·53	·55	61·7	53·5	51·5	63·7	4·7	2·6	·401	·339	73	82	W 2	WSW 2	9	9	·030	≋⁰ (mist), ●² 11.30*a.* ⌓⁰ *p.*
3	·54	·62	57·1	49·8	49·6	63·6	4·1	2·8	·351	·288	75	81	WNW 3	W 2	9	1	—	⌓⁰ *n.* and *p.* ⊕ 3*p.*
4	·52	·34	54·4	50·1	45·1	56·0	2·4	0·7	·356	·344	84	95	NE 1	N 2	10	10	·350	≋⁰ (mist) *p.* ●² 11*p.*
5	·34	·52	56·8	52·0	49·5	63·8	3·3	2·4	·367	·325	79	84	NNW 3	WNW 3	9	1	·010	● *n.* and 3*p.* ≋² (mist) *a.*
6	·60	·70	59·9	50·7	47·0	62·8	7·0	2·9	·319	·297	63	81	NNW 3	W 2	3	1	—	⊕⁰ 6*a.*
7	·67	·34	56·8	52·7	48·9	60·7	5·7	0·3	·308	·389	67	98	WSW 4	S 7	8	10	·690	Squally ● ●² *p.*
8	·26	·46	60·1	57·7	52·4	64·9	2·3	1·9	·446	·419	86	88	WNW 3	WSW 2	9	9	·020	● showers *a.* ⌓ *p.*
9	·41	·51	56·0	54·8	52·9	64·0	0·2	2·6	·443	·357	99	83	S 3	NW 2	10	4	·040	*n.* and *p.* ● showers.
10	·70	·68	64·0	53·9	49·7	65·4	7·0	3·6	·377	·321	93	77	ESE 1	NNW 1	4	10	—	*n.* ⊕⁰ 2*p.* and 6*p.* Gloomy 7*p.*
11	·65	·71	56·4	50·8	48·2	62·4	4·6	3·1	·329	·294	72	79	NW 2	NNW 2	9	1	·090	*n.* ●² showers 10*a.*—noon.
12	·68	·53	56·9	54·8	47·2	59·3	4·1	0·1	·348	·427	75	99	SW 2	SW 3	10	10	·010	⊕⁰ 9*a.* and 10*a.* ● showers. Scotch
13	·57	·53	58·2	57·0	54·4	65·6	1·7	0·1	·433	·462	89	99	WSW 3	SW 4	10	10	·070	≋⁰ (mist) ●⁰ showers *p.* [mist 10*p.*
14	·55	·53	60·0	57·2	56·0	60·8	2·3	0·1	·444	·465	86	99	WSW 3	SW 3	9	10	·130	Scotch ≋ *p.*
15	·62	·75	63·3	56·2	50·4	68·7	5·8	2·1	·397	·389	69	87	WNW 2	WSW 1	4	1	—	⌓⁰ *p.*
16	·79	·73	62·3	56·8	49·3	62·9	3·9	2·8	·433	·379	77	82	ENE 1	NE 2	3	10	·150	●² *n.* ●² 5*p.* ≋⁰ (mist) *p.*
17	·62	·55	58·0	57·9	56·2	61·6	1·1	0·3	·447	·470	92	98	NE 2	NW 2	10	10	·270	┳⁰ 9*a.* and 8*a.* ≋ 1*p.* ●² 9*a.* and 7*p.*
18	·64	·52	61·5	57·0	51·1	63·2	5·7	0·2	·371	·459	68	99	WNW 3	WSW 3	8	10	·150	*n.* ≋² (mist) ● showers *p.*
19	·62	·85	59·0	58·8	56·3	66·2	2·3	2·2	·428	·427	86	87	NNW 3	NW 1	9	10	—	*n.* and *p.* ≋⁰ (mist). ⊕⁰ 7*p.*
20	·97	·96	63·0	55·9	50·2	71·0	7·7	2·7	·404	·370	61	83	N 2	NNW 3	4	9	·020	⌓² *n.* ⊕ 9*a.*—noon.
21	·93	·91	60·7	60·0	55·2	71·5	2·0	1·8	·465	·459	88	89	Calm 0	NW 1	10	3	—	≋⁰ (mist) *a.* ⊕⁰ 6*p.* ⌓ *p.*
22	·88	·90	63·4	60·6	57·3	71·8	3·9	2·5	·453	·447	78	85	WNW 3	NW 2	9	4	—	Gloomy 3*p.*—5*p.*
23	·96	·87	63·9	59·9	59·1	75·7	3·7	2·1	·467	·449	78	88	NNW 2	SW 1	8	1	—	*n.* and *p.*
24	·77	·76	62·9	58·3	57·0	69·4	3·1	1·8	·469	·431	82	88	WNW 2	NW 1	10	2	—	⌓⁰ *p.*
25	·82	·79	64·8	59·0	52·9	67·5	6·9	1·0	·393	·467	64	94	ENE 1	SW 3	4	10	·030	● showers *a.* Dull and gloomy *p.*
26	·75	·72	66·1	58·5	57·4	67·7	4·4	1·6	·483	·441	76	89	WSW 3	SW 4	9	10	·230	⌓⁰ *p.*
27	·65	·57	59·9	57·6	57·3	60·7	0·2	0·6	·509	·457	99	96	SW 4	SW 4	10	10	·080	Dull, with ≋⁰ (mist).
28	·59	·69	66·0	52·9	52·9	69·4	6·3	2·1	·427	·344	67	87	W 1	WSW 2	3	1	—	⊕⁰ 3*p.* ⌓² *p.*
29	·74	·70	64·6	56·4	49·1	68·2	5·7	1·5	·421	·410	70	99	WSW 3	SW 2	3	9	·040	⊕⁰ at times 3*p.*—7*p.*
30	·62	·66	61·3	61·0	55·5	65·6	0·3	0·3	·531	·526	98	98	SW 4	SW 3	10	10	·020	Dull, with ● showers. ≋⁰ (mist).
31	29·65	29·67	62·8	60·0	60·0	63·8	0·4	0·2	·558	·511	97	99	SW 4	WSW 2	10	10	·080	Dull and gloomy, with ≋⁰ (mist).
Mean	29·633	29·645	60·7	56·0	52·5	65·2	3·7	1·6	·418	·404	79·0	89·4		2·5		2·4	7·8	6·7	2·540	

LONDONDERRY.—JULY 1890.

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	29·55	29·68	58·5	54·7	53·4	71·0	4·8	3·3	·354	·338	72	78	NE 2	W 1	10	4	—	
2	·66	·70	59·0	50·7	48·0	59·0	5·3	2·9	·347	·297	70	81	N 3	W 2	9	8	·410	● showers during day.
3	·73	·82	52·9	51·7	47·2	60·8	3·0	4·0	·323	·285	80	74	N 2	SW 2	10	10	·140	
4	·74	·74	53·2	51·8	49·8	60·8	1·1	3·8	·374	·290	93	75	N 2	NW 3	10	10	·070	● showers during day.
5	·78	·86	53·9	51·7	48·0	61·2	4·5	3·8	·298	·290	71	75	NE 2	N 3	10	10	·010	
6	·88	·85	52·8	51·3	48·0	67·2	4·1	2·9	·295	·306	74	80	NW 2	N 2	10	10	—	
7	·66	·35	56·2	54·6	47·4	59·3	5·3	3·5	·313	·332	69	78	S 2	NNE 1	10	10	·330	Constant ● 6*p.*—midt.
8	·47	·53	52·9	51·9	47·4	59·2	4·0	1·8	·299	·339	74	88	N 1	W 2	10	10	·020	● in evening.
9	·64	·81	54·0	51·9	44·7	61·7	5·2	2·7	·206	·316	69	82	W 2	NW 1	5	3	—	Fine day.
10	·93	·97	55·2	49·0	48·5	59·0	5·5	3·3	·294	·270	68	77	N 2	NW 1	10	2	—	Fine day.
11	·98	·93	58·2	51·2	45·0	60·8	3·5	3·0	·382	·303	79	80	N 2	NW 1	4	5	·060	Fine day. ● at night.
12	·65	·59	51·7	54·9	44·8	60·6	1·6	1·4	·342	·391	89	92	S 4	W 2	10	10	·100	● showers.
13	·42	·27	61·2	60·7	53·0	67·0	1·5	1·0	·490	·497	91	94	SW 3	SW 4	10	10	·670	● all day.
14	·45	·53	55·2	51·7	50·6	62·1	2·5	1·0	·365	·357	84	93	SW 2	SW 2	10	6	·230	● showers all day. ⌒ 4*p.*
15	29·63	29·90	57·5	54·8	49·7	62·5	4·4	2·0	·349	·373	74	88	SW 3	WNW 1	10	7	—	Fine day.
16	30·03	30·06	56·9	52·3	47·8	66·5	2·2	2·4	·398	·330	86	83	S 2	Calm 0	10	1	—	Fine afternoon.
17	30·00	29·85	59·7	54·7	43·9	67·1	2·1	3·0	·446	·346	88	80	N 2	ENE 1	7	5	—	Fine day.
18	29·70	29·77	57·9	54·7	50·0	63·7	3·5	1·0	·379	·400	78	94	S 2	S 1	10	2	—	Fine day
19	29·98	30·19	59·5	54·7	51·7	69·5	4·2	2·8	·382	·351	75	81	N 2	N 1	10	1	·030	Fine day.
20	30·22	·15	59·7	59·0	50·2	64·3	5·0	1·0	·365	·467	71	94	NW 2	N 2	10	10	·120	●² showers during day.
21	·11	·01	59·7	58·7	56·0	66·6	1·7	2·0	·457	·432	90	87	SW 2	WSW 5	10	10	—	
22	·02	30·06	63·2	58·7	52·8	67·8	7·5	3·0	·352	·404	61	81	S 2	NW 3	2	9	·020	Fine day. ● at night.
23	30·00	29·84	60·7	57·7	56·0	62·5	2·0	0·8	·465	·453	88	95	SW 4	SW 2	10	10	·740	Stormy *a.* ● from 2*p.* ●² from 6*p.*
24	29·94	·96	56·2	55·0	50·8	59·4	4·2	2·3	·337	·367	74	85	SW 2	WNW 2	10	10	·020	
25	·94	·77	64·2	58·7	51·6	71·4	7·5	2·0	·367	·432	61	87	SW 2	S 3	7	10	·010	
26	·65	·71	62·2	57·3	56·0	64·2	2·5	2·4	·475	·399	85	84	SW 2	WSW 2	10	10	·030	
27	·64	·57	58·0	56·0	53·0	66·0	2·9	2·8	·396	·370	82	82	SW 2	SW 2	10	2	·020	
28	·58	·73	57·7	53·2	49·3	65·3	4·6	2·2	·348	·344	73	85	SW 2	NW 2	4	1	·050	Fine day.
29	·77	·52	55·7	59·7	50·0	64·3	3·0	1·3	·361	·470	81	92	SW 2	SW 3	10	10	·170	Overcast, with ● .
30	·54	·50	59·3	57·7	55·2	62·0	1·6	1·0	·454	·447	90	94	SW 2	SW 2	10	10	·530	Overcast, with ● .
31	29·59	29·69	59·0	57·5	52·7	67·1	1·2	2·0	·461	·414	93	87	SW 3	SW 2	10	6	·050	Overcast, with ● .
Mean	29·769	29·771	57·5	54·8	50·1	63·9	3·6	2·3	·373	·368	78·5	84·7		2·2		2·0	9·0	7·2	3·830	

ARMAGH.—JULY 1890.

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	29·40	29·55	55·2	52·7	51·0	62·2	3·2	2·2	·347	·339	80	86	NNE 1	Calm 0	10	2	—	
2	·53	·59	59·2	50·9	47·9	62·5	4·5	2·8	·370	·303	74	82	NNE 0·5	NW 0·5	10	9	·030	
3	·58	·68	53·9	48·9	44·0	61·5	2·3	1·7	·351	·304	85	88	NW 1	NNW 0·5	8	8	·050	
4	·59	·60	58·6	48·2	44·3	61·2	3·8	1·8	·380	·293	77	88	NW 1	Calm 0	9	5	·375	
5	·60	·69	55·8	49·9	42·8	61·5	6·0	2·6	·293	·294	65	83	NNW 1	N 0·5	10	9	·020	
6	·73	·72	54·4	50·8	47·2	57·8	5·0	2·8	·294	·301	69	81	NNW 1	Calm 0	10	9	—	
7	·54	·21	54·0	54·2	47·3	58·5	5·1	0·6	·286	·403	69	96	S 2	SSE 0·5	10	10	·029	Overcast all day.
8	·33	·43	57·1	50·2	48·3	60·5	6·0	0·5	·305	·351	66	97	NNW 1	W 1	10	10	·032	
9	·51	·67	58·0	49·1	48·7	63·5	7·0	1·8	·296	·304	61	87	W 1	Calm 0	8	3	—	
10	·79	·82	54·5	49·9	42·9	57·3	5·0	1·1	·295	·331	70	93	NNW 0·5	NW 0·5	10	10	·027	
11	·83	·80	55·2	52·0	42·2	61·3	5·6	4·0	·292	·287	67	74	NNW 1	N 0·5	9	9	·050	
12	·58	·49	56·1	55·2	45·7	61·0	1·5	2·2	·323	·373	89	86	SSW 1	WSW 1	10	10	·022	
13	·36	·20	60·6	61·6	52·0	69·2	2·0	2·3	·404	·472	88	86	SW 4	SSW 2	10	10	·045	Overcast all day.
14	·37	·43	58·0	53·4	51·1	63·3	5·0	3·0	·342	·327	71	80	SW 2	SW 1	9	4	·095	
15	·55	·76	58·1	55·8	49·0	66·5	4·7	1·9	·351	·392	72	87	WSW 1	Calm 0	9	10	·018	
16	·88	·91	58·4	53·7	46·3	65·5	4·0	2·5	·372	·343	76	83	Calm 0	N 0·5	8	10	—	
17	·84	·73	60·0	53·0	42·3	65·3	5·0	2·3	·369	·340	71	84	N 0·5	Calm 0	5	9	—	T 5*p.*
18	·58	29·61	55·0	56·0	43·0	60·5	3·1	2·0	·347	·391	80	87	SSW 1	Calm 0	10	10	·030	
19	29·86	30·04	57·9	52·9	47·1	68·3	3·3	2·0	·385	·346	80	87	SE 0·5	Calm 0	10	2	—	
20	30·10	30·02	60·2	57·9	45·2	66·6	5·5	0·3	·360	·470	69	98	NNW 0·5	WSW 1	10	10	·170	
21	29·98	29·90	61·4	58·1	55·0	64·5	1·4	1·4	·497	·441	92	90	WSW 1	W 1	10	10	—	Overcast all day.
22	·90	·92	63·3	56·9	51·2	69·7	6·0	0·4	·392	·451	68	98	W 1	WNW 1	8	10	·032	
23	·90	·74	64·6	58·9	55·3	68·5	4·0	1·1	·472	·462	78	94	W 2	W 2	10	10	·170	Overcast all day.
24	·81	·84	59·0	52·9	52·8	62·5	5·4	1·9	·344	·348	69	87	NW 1	NW 0·5	8	8	—	
25	·82	·68	59·7	57·0	49·0	66·3	5·7	1·1	·347	·431	67	92	SW 1	S 1	8	10	·208	
26	·55	·62	64·0	57·7	56·0	66·6	4·8	2·8	·437	·395	73	82	SW 3	SW 1	9	10	·007	
27	·53	·48	58·4	55·0	54·1	64·5	2·4	2·7	·415	·357	85	83	SW 2	SW 2	10	10	·220	
28	·49	·64	57·9	52·6	49·4	63·5	5·8	3·6	·321	·303	67	76	WSW 3	SW 1	7	8	·122	
29	·66	·43	57·7	58·0	48·3	60·5	4·2	1·1	·358	·448	75	92	SSW 2	SSW 2	10	10	·109	Overcast all day.
30	·43	·40	63·0	61·7	57·1	65·7	5·0	1·8	·414	·490	72	89	SW 3	SW 2	10	10	·258	Overcast all day.
31	29·50	29·59	62·2	57·3	54·2	68·9	4·4	3·6	·419	·366	75	78	SW 3	SSW 1	9	9	—	
Mean	29·648	29·650	58·2	54·3	48·7	63·7	4·4	2·0	·363	·370	74·2	86·9		1·4		0·8	9·2	8·5	2·119	

MARKREE CASTLE, SLIGO.—JULY 1890.

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	29·50	29·65	59·5	53·9	51·1	63·1	5·4	1·5	·352	·373	69	90	NNW 2	Calm 0	7	7	·020	
2	·64	·69	57·1	50·3	49·7	58·6	4·0	2·7	·353	·397	76	82	N 2	Calm 0	7	8	·290	
3	·70	·78	54·5	49·2	45·7	59·8	3·3	2·1	·334	·298	78	86	N 3	NNW 0·5	8	3	—	
4	·70	·71	56·1	51·0	41·1	60·3	5·2	3·6	·314	·285	70	76	NNW 1	NNW 1	8	9	·100	
5	·74	·84	54·8	49·4	47·0	58·6	4·4	2·2	·314	·298	73	85	?NW 2	NNW 2	7	7	·040	
6	·85	·82	54·3	51·5	47·3	58·0	5·3	2·2	·286	·324	68	85	NNW 3	SSW 1	7	10	·050	
7	·55	·28	50·2	56·3	44·1	60·9	1·0	1·2	·337	·418	93	92	SSE 2	Calm 0	10	10	·040	Overcast all day.
8	·46	·52	52·8	49·8	48·8	59·6	3·4	0·8	·311	·337	77	94	NW 1	Calm 0	10	10	·220	Overcast all day.
9	·61	·77	53·9	48·0	47·7	58·8	4·9	1·9	·289	·287	69	87	NW 1	*NW* 0·5	6	3	·020	
10	·88	·93	55·2	48·3	42·1	55·5	3·9	2·9	·330	·270	76	80	WSW 0·5	NNE 1	10	6	·010	
11	·94	·90	54·1	51·0	41·5	58·9	5·8	2·8	·274	·304	66	81	NNW 2	Calm 0	7	10	·290	
12	·61	·58	50·6	55·2	47·8	58·9	0·5	1·3	·355	·398	97	91	SSE 1	SSW 1	10	10	·200	Overcast all day.
13	·39	·21	63·1	60·0	53·5	68·0	2·0	0·3	·508	·508	88	98	S 4	SSE 3	9	10	·720	⁄ during day. ● 2 in evening.
14	·42	·49	56·1	52·3	50·1	61·8	1·2	1·8	·415	·344	91	88	SSW 1	S 1	10	5	·330	● showers.
15	·61	29·85	57·8	52·3	48·7	60·9	3·8	1·2	·369	·360	77	92	WSW 2	NNW 0·5	7	7	—	
16	·97	30·00	57·2	51·1	45·3	62·0	4·0	2·2	·354	·320	75	84	N 1	N 0·5	8	3	—	
17	·94	29·82	57·8	52·9	35·6	61·4	5·2	1·7	·334	·353	70	88	NNE 1	Calm 0	4	6	·100	
18	·61	29·70	55·1	57·0	49·0	63·9	1·0	1·2	·405	·428	93	92	SSE 2	*N* 0·5	10	10	·010	Overcast all day.
19	29·93	30·13	60·1	55·0	51·1	65·6	4·8	1·9	·376	·378	73	88	NNE 1	NW 2	9	3	—	
20	30·20	·14	59·0	57·8	51·3	62·0	3·1	0·6	·404	·460	81	95	WNW 1	NNW 1	10	10	·060	≋ *p.*
21	·09	·03	62·4	58·0	54·9	64·4	2·2	1·1	·489	·448	87	92	WSW 1	W 1	10	10	·020	Overcast all day.
22	·03	30·06	59·0	56·3	54·1	63·2	3·1	0·6	·404	·436	81	96	WNW 2	?NW 3	10	10	·100	
23	30·04	29·88	63·0	58·3	55·3	67·8	2·5	0·6	·490	·468	85	96	SSW 3	SW 2	10	10	·150	
24	29·92	·95	57·2	54·3	53·2	60·0	4·4	1·2	·344	·387	73	92	WNW 2	Calm 0	9	10	·010	
25	·87	·70	57·0	60·0	43·3	62·4	4·8	1·0	·332	·485	71	94	SSE 1	SSE 1	8	10	·110	
26	·62	·68	60·8	56·4	55·9	62·3	1·1	2·2	·496	·391	93	86	W 2	SSE 0·5	10	10	·020	Overcast all day.
27	·59	·53	58·8	51·7	51·1	58·8	2·2	1·7	·428	·339	87	88	SSW 1	SSW 1	10	4	·060	
28	·56	·72	60·7	52·1	48·1	62·2	6·5	2·3	·342	·329	64	84	SW 2	SSE 1	9	10	·040	
29	·70	·49	55·7	58·9	46·0	59·4	1·4	0·7	·404	·475	91	96	SSE 1	SSW 1	10	10	·180	Overcast all day.
30	·49	·48	61·5	56·3	55·8	64·3	4·5	1·2	·404	·418	74	92	SSW 0·5	SSW 0·5	10	8	·560	
31	29·55	29·63	58·9	55·9	53·2	68·1	0·9	1·8	·468	·395	95	89	SSW 0·5	NW 1	10	10	·020	Overcast all day.
Mean	29·732	29·740	57·2	53·9	48·7	61·6	3·4	1·6	·375	·375	79·4	89·0	1·6	0·9	8·7	8·0	3·770	

DUBLIN (PHŒNIX PARK).—JULY 1890.

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	29·37	29·62	56·7	49·9	49·6	61·8	1·1	0·3	·427	·351	93	98	N 2	Calm 0	8	2	·005	Dull and cloudy *a.* Bright *p.*
2	·61	·63	56·4	53·4	45·7	63·2	0·6	0·8	·437	·385	97	94	W 1	Calm 0	7	8	·170	Cloudy day. ● 2 showers *p.*
3	·65	·72	54·4	53·3	45·3	60·6	1·2	1·5	·389	·365	92	90	WNW 2	Calm 0	6	7	·090	Cloudy day. ● 2 1*p.*—2.15*p.* ☂2.
4	·66	·62	57·2	52·8	40·1	61·1	2·8	1·5	·386	·358	82	89	Calm 0	N 1	4	8	·100	Cloudy day. ● 2 showers *p.*
5	·63	·74	54·4	49·8	40·7	60·4	1·2	1·2	·389	·328	92	91	NNW 1	NW 1	9	1	—	Dull and cloudy *a.* Bright *p.*
6	·79	·80	55·1	51·8	44·9	58·6	0·8	0·4	·411	·375	94	97	NW 1	Calm 0	7	6	·010	
7	·63	·22	53·6	54·4	45·9	59·1	0·2	0·2	·406	·418	99	98	SSW 1	Calm 0	10	3	·160	Dull, with ● 0.
8	·42	·49	54·2	53·6	51·3	61·6	2·4	0·2	·353	·406	84	99	NW 1	Calm 0	8	9	·020	
9	·56	·72	57·3	51·0	45·9	63·5	0·8	3·6	·446	·285	95	76	NW 1	Calm 0	7	1	—	⁀ *p.*
10	·87	·86	54·6	49·8	37·1	56·6	4·0	1·8	·319	·312	76	87	Calm 0	Calm 0	5	9	·050	Cloudy *a.* Dull, with ● 0 showers *p.*
11	·89	·86	52·8	51·9	41·1	61·0	4·7	3·5	·281	·299	71	77	NW 1	Calm 0	6	4	·070	Beautiful day.
12	·69	·58	50·1	56·4	40·9	59·8	1·5	1·6	·323	·407	89	90	Calm 0	Calm 0	10	8	·165	Dull, with ● 2 till 5.30*p.*
13	·49	·35	64·9	60·7	50·9	71·2	4·4	3·8	·464	·412	76	78	SW 2	SW 3	7	4	·010	Squally ⁄ ● 0*p.*
14	·48	·51	56·3	54·8	49·4	64·8	3·5	2·4	·356	·362	78	85	SW 1	SW 1	9	8	·190	Cloudy, with ● showers.
15	·64	·83	59·5	54·2	45·1	67·2	4·7	1·4	·370	·380	72	91	SW 1	Calm 0	4	4	·010	Cloudy, with ● 0 showers. ⁀ *p.*
16	·95	·94	57·3	53·0	44·5	65·8	3·3	2·2	·374	·342	79	85	Calm 0	Calm 0	5	6	—	
17	·88	·77	59·5	51·8	40·6	65·6	6·3	3·0	·330	·309	65	80	NNW 1	Calm 0	2	1	·025	Beautiful day.
18	·66	29·66	55·0	54·6	42·7	58·5	3·2	1·2	·344	·392	80	92	Calm 0	Calm 0	10	10	·110	Dull, with ● 0.
19	29·88	30·06	61·3	54·3	47·4	61·6	5·9	1·3	·365	·384	67	91	N 1	Calm 0	4	6	—	
20	30·17	30·10	58·3	57·9	43·1	66·8	4·3	1·0	·363	·450	74	94	Calm 0	WSW 1	6	10	·060	Cloudy day. ● 0*p.*
21	30·08	29·97	60·9	61·3	51·4	71·8	2·4	2·1	·456	·473	86	87	WSW 1	W 1	7	10	·010	● 0*p.*
22	29·99	30·01	61·5	59·1	52·1	67·0	5·5	2·2	·377	·432	69	86	W 2	W 1	7	9	—	
23	30·05	29·86	62·7	61·2	53·1	71·4	3·0	2·7	·469	·453	82	84	WSW 2	WSW 3	9	10	·055	● 0*p.*
24	29·85	·93	60·9	52·0	46·6	64·8	3·6	2·4	·420	·325	79	84	NW 1	Calm 0	6	2	—	Beautiful day.
25	·91	·75	61·1	60·9	43·1	66·1	6·3	1·3	·352	·488	66	92	Calm 0	W 1	3	7	·340	Bright *a.* Dull, with ● 0*p.*
26	·66	·72	65·9	55·4	51·3	66·8	4·0	2·8	·494	·361	78	83	SW 2	Calm 0	6	6	·080	● showers *a.* Cloudy day.
27	·65	·60	59·9	55·8	47·7	64·5	4·5	2·0	·381	·389	73	87	SW 1	SW 1	5	7	·075	Cloudy day. ● 2 showers 7*p.*
28	·62	·73	57·2	52·6	46·3	63·5	3·9	2·6	·357	·327	76	82	SW 1	Calm 0	7	1	·110	Cloudy day. ● 2 showers.
29	·77	·56	56·7	58·5	44·7	61·0	3·5	1·8	·360	·435	78	88	SW 1	SW 3	9	8	·045	Dull and cloudy. ⁄ ● 0 showers *p.*
30	·55	·52	63·2	63·4	54·2	70·0	3·7	2·1	·457	·510	79	88	SW 1	SW 1	9	3	·040	Cloudy day. ● 0 showers *p.*
31	29·60	29·67	64·6	56·9	50·9	69·8	5·5	2·1	·426	·400	71	87	SSW 1	Calm 0	4	4	·150	Cloudy day. ● 0 shower 4*p.*
Mean	29·730	29·721	58·2	55·0	46·2	64·0	3·3	1·8	·390	·384	80·4	88·1	1·0	0·6	6·6	5·9	2·150	

PARSONSTOWN (BIRR CASTLE).—JULY 1890.

Height above Mean Sea Level, 175 feet. Heights above Ground :—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 8 inches.
Long. 7° 53′ W. Lat. 53° 6′ 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	29·42	29·60	59·6	56·6	51·0	66·5	0·7	0·7	·488	·437	95	95	NNW 3	Calm 0	9	7	·052	Windy *a.*, with ● ▲. Day bright [and squally.
2	·62	·65	56·5	52·9	49·2	62·0	0·8	2·0	·433	·346	95	86	W. 1	Calm 0	10	8	·010	∞ *a.* and *p.*
3	·69	·72	54·7	52·3	44·8	62·1	0·7	1·4	·408	·354	95	90	NW 1	Calm 0	7	7	—	Bright and mild.
4	·67	·62	55·9	52·9	38·6	61·3	5·6	0·6	·393	·384	68	96	Calm 0	Calm 0	8	9	·013	Warm *a.* Bright and mild. ● *p.*
5	·69	·78	55·0	50·1	43·6	60·3	0·2	0·3	·427	·355	99	98	NW 3	NW 1	10	3	·056	Bright, cold, and squally. ● [● *p.*
6	·81	·80	55·3	52·0	46·1	62·1	0·6	0·3	·420	·380	96	98	NW 1	Calm 0	9	9	·044	≋ (mist) *a.* and *p.* Dull and cold.
7	·53	·21	52·9	58·4	44·0	61·1	0·3	0·5	·392	·473	98	97	SE 1	Calm 0	10	9	·131	≋ (mist) *n.* and *p.* Close and gloomy.
8	·43	·49	54·1	53·0	50·7	60·4	4·1	0·2	·309	·397	74	99	NW 1	Calm 0	10	8	—	Dull and mild. ∞ *p.*
9	·55	·72	54·7	51·1	49·7	63·1	2·7	0·2	·352	·370	83	98	Calm 0	Calm 0	10	0	—	∞ *a.* Bright and mild.
10	·86	·87	52·7	47·7	36·8	58·9	0·7	0·0	·378	·331	95	100	Calm 0	Calm 0	10	3	—	Dull and cold, with ∞. ● *p.*
11	·90	·87	53·9	52·9	37·4	62·4	4·7	0·2	·293	·395	71	99	NNW 2	Calm 0	9	10	·188	Bright day. ● 9. ∞ *p.*
12	·61	·58	51·9	56·3	47·7	62·0	0·2	0·4	·381	·442	99	97	Calm 0	Calm 0	10	10	—	Very dull, with ●.
13	·46	·27	64·7	60·0	54·7	70·1	0·8	0·1	·581	·515	95	99	SW 1	SSW 3	9	9	·080	Bright and gusty. ● showers *p.*
14	·46	·52	57·1	53·5	51·4	61·1	0·8	0·4	·442	·399	94	98	SW 2	Calm 0	10	8	·310	Dull, with constant ●.
15	·63	·82	55·7	54·0	47·2	65·0	2·1	0·1	·384	·415	87	99	SW 1	Calm 0	10	0	—	Bright day.
16	·93	·92	59·6	55·3	45·8	66·6	0·8	0·1	·485	·435	95	99	Calm 0	Calm 0	6	8	—	Calm and warm.
17	·90	·79	58·6	55·0	45·8	64·9	0·7	0·1	·470	·430	95	99	Calm 0	Calm 0	7	8	·200	Fine and bright.
18	·59	29·63	54·1	58·3	48·7	60·6	0·2	0·4	·414	·475	98	97	Calm 0	Calm 0	10	10	·252	Close, with ● all day.
19	29·86	30·08	60·9	57·5	53·7	67·9	0·8	0·5	·508	·458	96	97	N 1	NW 1	5	0	—	Fine and warm.
20	30·18	·13	60·0	58·5	47·0	66·0	0·9	0·4	·488	·478	95	98	WNW 1	Calm 0	5	6	·034	Bright and warm.
21	·09	·01	61·0	58·4	55·8	67·7	1·1	0·5	·500	·473	93	97	Calm 0	WNW 1	10	10	—	Close day. ≋ (mist) *a.* and *p.*
22	·01	30·05	60·1	58·6	55·2	65·0	0·6	0·7	·501	·470	96	95	WSW 1	W 2	10	9	·016	● *a.* Dull and damp. ∞ *p.*
23	30·08	29·92	62·5	58·9	56·8	69·5	0·6	0·2	·545	·492	96	99	SW 2	SW 3	10	10	·050	Dull and warm. ∞
24	29·88	·92	58·0	55·0	54·2	64·4	1·1	0·2	·448	·427	92	99	N 2	Calm 0	10	9	—	Bright day. ∞ *p.*
25	·85	·73	56·1	60·1	48·0	61·7	0·2	0·3	·445	·510	98	98	SE 1	Calm 0	10	10	420	Dull and close, with ●.
26	·64	·70	63·4	56·5	55·8	63·9	1·3	0·6	·538	·439	93	96	SW 2	Calm 0	8	6	—	Dull and close, with ∞.
27	·62	·56	61·0	55·7	52·5	62·3	0·9	0·0	·506	·444	95	100	SW 2	SSW 3	10	5	·100	∞ *a.* Dull and gloomy, with ●
28	·60	·72	56·6	54·5	48·6	62·9	1·5	0·7	·414	·405	90	96	WSW 2	Calm 0	7	8	·014	Bright day. ● ∞
29	·73	·53	55·8	60·0	50·3	60·9	0·7	2·1	·425	·450	95	87	Calm 0	Calm 0	10	10	·108	Dull and gloomy, with ●.
30	·52	·50	61·7	60·0	57·3	67·9	2·8	0·7	·457	·495	84	96	Calm 0	SSW 2	9	7	·150	Dull and gloomy, with ● ▲.
31	29·58	29·65	62·1	56·7	54·2	66·3	0·2	0·1	·551	·458	98	99	SW 1	Calm 0	9	8	—	Fine and bright *p.*
Mean	29·722	29·721	57·6	55·6	49·1	63·8	1·3	0·5	·441	·430	92·0	96·8	1·0	0·5	8·9	7·2	2·228	

SWANBISTER AND STENNESS.—AUGUST 1890.

Height above Mean Sea Level, 167 feet. Heights above Ground :—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 3° 8′ W. Lat. 58° 56′ N. Gravity Correction, +·036.

1													Calm 0	Calm 0				
2													NW 1	Calm 0				
3													SSW 3	Calm 0				
4													Calm 0	W 4				
5													Calm 0	Calm 0				
6													WNW 1	W 1				
7													W 2	Calm 0				
8													E 1	SE 1				
9													SE 2	SE 3				
10													SE 3	E 4				
11													ENE 4	NE 1				
12													SE 1	Calm 0				
13													Calm 0	SSE 2				
14													S 2	S 1				
15													SE 4	NW 1				
16													W 1	SW 2				
17													NW 1	NW 3				
18													NW 3	NW 3				
19													W 2	W 1				
20													SSW 1	NW 1				
21													SSW 2	W 4				
22													W 4	W 1				
23													NNW 1	NW 2				
24													NW 1	Calm 0				
25													E 1	*S* 2				
26													*S* 3	*SE* 3				
27													*NE* 1	NNE 5				
28													NNW 4	N 1				
29													N 4	NNW 3				
30													N 3	N 2				
31													NNW 2	S 1				
Mean													1·9	1·7				

Observations, except with anemometer, temporarily discontinued, owing to change of station. The anemometer was removed to Stenness, 4 miles to the N.W., on August 25–27, and the regular observations were resumed on September 1st.

DUNROBIN CASTLE.—AUGUST 1890.

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	29·75	29·85	58·6	56·7	53·8	62·9	3·6	2·7	·385	·381	78	83	W 1	N 1	—	—	·210	Fine *a*. ● *p*.
2	·92	30·01	57·6	57·5	50·4	57·6	3·6	2·8	·371	·392	78	82	N 1	N 1	—	—	—	Fine day.
3	·97	29·93	58·6	57·0	53·4	62·2	5·9	2·7	·329	·385	67	83	SE 1	E 1	—	—	·070	● showers.
4	·91	29·99	59·6	60·6	56·4	68·6	2·9	1·6	·420	·476	82	90	NE 1	NW 1	—	—	·350	Dull, with ●.
5	29·96	30·01	57·3	54·5	44·4	61·9	2·0	1·0	·410	·396	87	94	SE 1	SW 1	—	—	—	Dull day.
6	30·11	·16	56·6	55·3	54·1	63·6	4·1	0·8	·345	·414	75	95	SW 1	NE 1	—	—	—	Dull *a*. Fine *p*.
7	·17	·23	58·6	56·0	49·1	64·2	3·3	1·7	·393	·399	80	89	SW 1	NE 1	—	—	—	Fine and warm.
8	·21	·21	57·9	55·3	50·1	58·6	1·9	3·6	·422	·340	88	77	SW 1	NE 1	—	—	—	Fine and breezy
9	·21	30·16	58·6	56·0	54·1	58·9	4·1	0·7	·372	·428	76	95	SE 1	SE 1	—	—	—	Fine and breezy.
10	30·09	29·93	56·0	57·3	55·1	61·6	1·5	3·3	·495	·374	90	79	E 1	NE 1	—	—	—	Dull and breezy.
11	29·86	·82	60·9	56·3	56·1	63·6	4·4	2·3	·398	·387	75	85	SE 1	SE 1	—	—	—	Fine and breezy.
12	·74	·83	57·6	55·7	45·8	62·6	2·1	2·4	·413	·376	86	85	SW 1	SE 1	—	—	·420	Dull, with ● 0.
13	·82	·69	58·2	52·0	51·1	59·2	4·9	2·3	·348	·328	72	84	SE 1	E 1	—	—	—	Fine day.
14	·59	·44	56·7	54·7	49·1	59·6	4·0	0·7	·349	·407	75	95	SE 1	SE 1	—	—	·040	Fine day.
15	·12	·21	56·7	55·3	52·1	61·2	3·2	0·3	·368	·429	80	93	E 1	E 1	—	—	·220	● showers.
16	·31	·46	56·5	53·7	51·1	69·4	2·8	5·2	·376	·281	82	68	SW 1	E 1	—	—	·100	Dull day.
17	·52	·70	54·7	52·0	50·6	59·4	4·2	2·9	·316	·313	74	81	E 1	E 1	—	—	·030	Dull, with ● showers.
18	·76	·91	54·7	52·0	50·6	60·4	4·2	2·7	·316	·318	74	82	SW 1	E 1	—	—	—	Fine and milder.
19	·86	·75	58·4	53·3	49·1	62·6	7·7	4·6	·287	·289	58	71	SW 1	SE 1	—	—	·050	Fine and clear.
20	·68	·68	56·7	47·7	44·1	64·6	4·4	1·4	·339	·297	73	90	E 1	S 1	—	—	·040	
21	·63	·60	52·7	46·7	46·1	58·9	1·7	0·0	·351	·319	88	100	NW 1	SW 1	—	—	·370	Dull, with ●.
22	·62	·62	52·0	50·0	46·4	61·6	5·3	3·3	·260	·280	68	78	NE 1	NW 1	—	—	—	Cold and breezy.
23	·52	·55	54·7	48·2	44·6	58·4	5·7	2·7	·282	·272	66	82	SE 1	E 1	—	—	·080	Fine *a*. ● showers *p*.
24	·48	·53	54·7	50·3	44·1	61·4	4·0	2·0	·321	·314	75	86	E 1	E 1	—	—	·160	Fine *a*. ● showers *p*.
25	·48	·29	53·7	51·0	45·1	62·6	3·7	1·3	·314	·341	76	91	SW 1	SE 1	—	—	·060	Fine *a*. ● showers *p*.
26	·23	·16	51·3	51·7	50·4	54·2	2·6	1·2	·313	·352	82	92	E 1	E 1	—	—	·870	Dull *a*. ● showers *p*.
27	·23	·53	57·0	53·0	49·8	57·9	5·3	4·0	·320	·299	69	74	E 1	E 1	—	—	·390	Fair and mild *a*. ● showers *p*.
28	·78	29·84	53·9	45·6	45·6	58·6	4·9	2·3	·289	·255	69	83	SW 1	E 1	—	—	—	
29	29·87	30·09	51·0	46·0	45·6	58·2	5·5	4·5	·246	·216	66	70	S 1	E 1	—	—	—	Fine day.
30	30·10	·14	53·7	45·6	40·8	56·4	8·0	1·3	·228	·276	55	90	E 1	E 1	—	—	—	Fine day.
31	30·18	30·15	53·7	52·7	43·1	56·2	4·0	1·0	·307	·370	74	93	N 1	NW 1	—	—	—	Fine *a*. Cool *p*.
Mean	29·763	29·788	56·1	52·9	49·4	60·9	4·0	2·2	·342	·345	75·4	85·3	—	—	—	—	3·460	

BRAEMAR.—AUGUST 1890.

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	28·61	28·70	56·3	54·8	46·3	62·0	4·8	1·3	·325	·393	71	92	SW 0·5	NE 0·5	7	10	·130	Fine day. ● showers *p*.
2	·74	·84	57·3	51·5	50·2	66·2	4·8	1·8	·336	·334	72	88	SE 0·5	N 0·5	7	4	·140	Fine day.
3	·82	·84	58·6	57·6	47·0	62·0	7·1	2·6	·302	·398	62	83	SW 2	SW 0·5	6	9	·030	Fine day. ● showers *p*.
4	·82	·82	60·8	60·4	56·8	66·7	3·3	6·6	·428	·335	80	63	W 1	SW 2	7	8	—	Fine day.
5	·86	·77	63·8	60·1	58·0	72·2	4·0	2·8	·458	·431	77	83	W 0·5	SW 1	8	8	—	Fine day.
6	28·88	28·99	55·5	55·5	52·8	65·3	4·0	3·0	·333	·357	75	81	SW 1	E 0·5	8	8	—	Fine day.
7	29·00	29·01	56·8	55·5	50·0	64·0	3·3	2·2	·367	·378	79	86	SE 0·5	SW 0·5	8	8	—	Fine day.
8	29·00	29·03	58·6	56·9	40·0	66·3	5·1	3·2	·348	·370	71	80	SW 0·5	SW 0·5	0	8	—	Fine day.
9	28·97	28·98	57·2	54·3	44·8	63·0	5·2	1·8	·325	·371	69	88	SE 0·5	NE 0·5	5	8	—	Fine day.
10	·88	·77	60·6	53·3	53·0	64·8	5·1	2·6	·375	·336	72	82	NE 2	NE 0·5	6	4	—	Fine day.
11	·61	·61	56·8	53·3	51·9	58·8	3·6	1·2	·359	·373	77	92	E 2	NE 0·5	7	7	·270	● *a*.
12	·59	·62	54·0	51·8	50·4	54·8	0·5	1·3	·403	·351	97	91	NW 0·5	SE 0·5	10	10	·950	● all day.
13	·59	·52	51·8	50·5	49·0	59·8	2·3	1·8	·326	·322	85	88	NE 0·5	E 0·5	8	8	—	
14	28·41	·28	55·9	50·7	48·5	63·4	4·1	3·0	·337	·295	75	80	E 0·5	SW 1	7	8	·090	● showers.
15	27·94	·07	51·6	49·5	47·8	60·2	2·3	2·0	·323	·304	84	87	SE 1	SW 1	10	8	·240	● showers *a*. ● *p*.
16	28·18	·29	51·8	52·5	47·2	55·5	5·3	4·8	·259	·276	68	70	SW 4	SW 4	4	8	·010	
17	·34	·53	54·3	52·3	52·0	59·8	2·8	3·8	·344	·296	81	75	SW 1	SW 1	7	8	·030	● 0 showers.
18	·60	·70	51·5	49·8	48·7	57·2	1·9	3·1	·331	·282	87	80	SW 1	SW 1	8	8	·020	● 0 showers.
19	·70	·65	52·3	48·5	41·4	58·0	3·8	2·5	·296	·280	75	82	NE 0·5	SW 0·5	7	4	—	Dull *a*.
20	·52	·60	54·5	48·5	43·2	60·8	4·0	3·0	·318	·270	75	80	SW 2	N 0·5	6	4	·110	● 0 showers.
21	·48	·50	54·5	46·5	44·8	55·9	2·2	3·0	·362	·249	85	80	SW 0·5	SW 0·5	7	6	·250	● 2.
22	·49	·50	52·2	47·7	43·8	56·0	10·7	3·2	·171	·257	43	79	SW 4	SW 0·5	6	4	·020	● 0 showers.
23	·35	·41	47·2	45·6	47·7	56·0	1·4	2·9	·291	·242	91	80	NE 0·5	NW 0·5	7	6	·020	● 0 showers.
24	·35	·40	48·5	48·7	42·3	57·0	4·0	0·0	·249	·344	73	100	W 2	W 0·5	8	8	·020	
25	·31	·18	50·5	49·5	43·5	57·8	2·3	2·0	·309	·304	84	87	SW 0·5	S 0·5	8	9	·420	● showers.
26	·02	·00	45·6	48·7	44·8	62·8	0·9	2·4	·286	·286	94	83	S 0·5	SW 0·5	10	8	·090	● showers *a*. Fair *p*.
27	·05	·28	49·9	48·5	41·9	54·2	3·4	2·1	·277	·290	78	85	N 0·5	E 0·5	7	4	·600	Fair *a*. ● *p*.
28	·50	·63	48·5	48·5	44·8	54·2	2·0	7·0	·292	·195	86	58	NW 0·5	NW 0·5	8	6	·020	● 0 showers.
29	·69	·86	46·8	43·1	37·2	52·7	2·3	1·6	·266	·244	84	87	N 1	NE 0·5	7	6	·010	
30	·88	28·93	46·7	44·6	38·2	52·1	5·0	3·1	·213	·228	67	78	NE 0·5	E 0·5	4	8	·020	Fine, but cold.
31	28·95	29·01	46·5	45·6	31·7	55·7	4·0	2·6	·229	·248	73	81	N 0·5	E 0·5	6	4	—	Fine, but cold.
Mean	28·584	28·621	53·4	51·1	46·4	59·8	3·7	2·7	·317	·311	77·1	82·2		1·1		0·7	6·9	7·0	3·490	

LAUDALE.—AUGUST 1890.

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	29·76	29·85	59·0	55·5	53·9	66·5	2·8	1·9	·413	·387	83	88	SSW 1	Calm 0	10	3	·070	● 0 showers *a*. Fine and warm *p*.
2	29·94	·97	58·2	54·6	51·5	63·7	2·2	1·9	·418	·373	86	88	NW 1	Calm 0	9	4	—	Dull *a*, then fine and clear.
3	30·03	29·98	58·6	58·0	52·0	62·9	2·9	0·1	·405	·479	82	99	Calm 0	W 1	10	10	·340	● from 2*p*.
4	29·97	30·01	60·5	60·7	52·7	64·0	0·8	1·7	·500	·474	95	90	Calm 0	Calm 0	10	10	·800	≈ (mist) all day.
5	30·00	29·99	62·0	57·1	50·6	62·1	6·0	1·1	·372	·433	67	92	W 1	W 1	10	10	·330	≈ (mist) *a*. ● 2 *p*.
6	·08	30·17	58·9	53·0	51·2	65·2	3·2	0·7	·401	·383	80	95	Calm 0	Calm 0	10	10	·010	Dull and mild all day.
7	·16	·16	59·4	55·3	53·0	66·2	3·4	2·1	·402	·378	80	86	Calm 0	Calm 0	8	10	—	Dull till 9*a*., then fine and warm. ∞.
8	·15	·14	63·2	58·3	52·5	72·0	5·2	1·3	·412	·446	71	91	Calm 0	Calm 0	3	4	—	Fine and very warm. ∞.
9	30·13	30·08	67·2	58·0	53·0	72·4	8·6	4·7	·383	·350	57	73	E 1	Calm 0	3	2	—	Fine and very warm. ∞.
10	29·94	29·82	63·2	60·5	51·7	68·4	6·3	7·6	·382	·314	66	60	E 5	Calm 0	4	1	—	Fine day, with ⁄.
11	·72	·75	67·0	60·0	52·4	70·2	8·8	2·3	·377	·444	57	86	S 2	Calm 0	6	10	·310	Fine till 4*p*., then dull and close.
12	·74	·75	59·1	59·6	50·9	66·5	3·1	2·7	·406	·426	81	83	W 3	Calm 0	10	10	·030	
13	·78	·69	58·5	56·0	50·9	66·4	3·5	2·8	·386	·370	78	82	Calm 0	Calm 0	6	10	—	Fine till 6*p*., then dull.
14	·57	·43	56·3	55·0	51·0	61·0	2·8	3·8	·374	·330	82	76	Calm 0	Calm 0	10	10	·460	Dull all day.
15	·01	·33	52·0	56·7	49·7	56·9	0·3	6·8	·380	·285	98	63	Calm 0	SW 6	10	10	1·130	● all day. ⁄ (gale) from 3*p*.
16	·35	·47	52·2	55·9	49·7	62·7	2·2	2·9	·332	·366	85	82	NW 4	W 3	10	10	·590	● showers all day. Squally ⁄.
17	·56	·73	55·2	53·2	50·2	58·8	2·2	2·2	·373	·343	86	85	NW 2	WNW 1	9	9	·100	● showers all day.
18	·80	·88	54·4	52·0	46·2	59·5	7·1	3·0	·251	·310	60	80	WNW 1	ENE 1	10	9	·020	Damp and mild.
19	·88	·81	53·8	52·2	43·0	61·5	3·0	1·5	·332	·350	80	90	Calm 0	Calm 0	2	10	·080	Fine and bright till 2*p*.
20	·71	·80	57·0	54·4	50·0	60·9	0·0	3·5	·465	·329	100	77	N 1	Calm 0	10	10	·150	● showers ≈ (mist) *a*.
21	·68	·71	56·2	50·9	46·0	57·2	1·5	3·1	·408	·295	90	80	W 2	W 4	10	10	·530	● 0 ≈ (mist) *a*. ⁄ ● 2 showers [*p*. Cold.
22	·72	·65	52·3	50·0	48·7	57·3	3·5	1·0	·302	·334	77	93	W 3	WNW 2	6	10	·330	● 2 showers.
23	·53	·58	50·0	50·7	46·0	62·8	1·3	3·2	·327	·291	91	79	W 1	Calm 0	10	3	·340	● 2 showers.
24	·56	·54	51·6	50·7	45·0	61·1	2·6	0·7	·315	·352	82	95	WNW 2	Calm 0	10	3	·240	● showers till 7*p*.
25	·46	·25	52·0	49·7	45·2	58·9	1·3	2·9	·353	·286	91	81	W 1	SW 1	10	10	·120	● showers. Dull at night.
26	·15	·19	51·8	50·4	46·2	59·9	2·3	1·7	·326	·323	85	89	WNW 1	Calm 0	7	7	·520	Dull and damp *a*.
27	·20	·45	53·0	50·1	49·0	61·5	2·0	0·5	·347	·349	86	96	ENE 1	Calm 0	10	7	·110	● showers *a*. Fine *p*.
28	·74	29·85	51·6	50·0	47·5	56·0	2·8	4·2	·311	·261	81	73	N 3	N 1	7	8	·160	● 0 showers *a*. Day fine.
29	29·92	30·03	52·2	52·1	40·2	58·7	2·5	0·4	·326	·379	83	97	NW 1	NE 1	3	2	·030	Fine and clear.
30	30·10	·14	52·7	43·8	41·0	60·7	5·9	1·1	·256	·261	64	92	NE 2	ENE 1	4	2	—	Day fine and bright. Mock sun 3*p*.
31	30·20	30·19	52·0	51·0	37·0	57·9	4·2	2·9	·283	·301	73	81	Calm 0	Calm 0	1	10	·100	Fine till 3*p*., then dull.
Mean	29·759	29·785	56·5	54·0	48·7	62·6	3·4	2·5	·365	·355	79·9	84·6		1·3		0·7	7·7	7·5	6·905	

DUNDEE.—AUGUST 1890.

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	29·62	60·9	59·2	51·5	70·5	2·3	2·1	·459	·436	87	88	SW 1	E 1	10	10	·010	
2	·76	·78	58·9	55·4	55·2	65·7	1·6	1·1	·446	·407	90	93	SW 1	NE 1	10	0	—	
3	·87	·88	60·7	58·9	47·2	67·1	4·7	1·6	·387	·446	73	90	W 2	SW 1	5	10	·060	
4	·86	·86	64·2	64·6	58·2	68·8	3·2	1·2	·489	·564	81	92	W 1	SW 6	10	5	—	Dull day.
5	·88	29·80	64·7	62·6	53·2	70·9	2·7	2·7	·514	·476	84	84	SW 4	SW 2	5	10	—	
6	29·93	30·01	52·7	55·4	54·2	63·7	1·7	1·2	·425	·404	89	92	NE 1	E 1	10	10	·010	Dull day.
7	30·03	·06	59·9	62·7	51·0	66·2	2·6	0·7	·433	·545	85	96	NE 1	E 1	5	0	—	Cloudy day.
8	·07	30·06	58·9	54·4	50·7	67·7	2·2	0·7	·429	·404	86	96	E 1	E 1	5	5	—	Cloudy day.
9	30·04	29·98	57·2	57·5	49·0	61·5	2·7	1·3	·389	·433	83	91	E 1	E 2	10	10	—	Dull day.
10	29·87	·72	65·2	55·6	55·3	67·7	4·9	2·3	·453	·377	74	85	E 4	NE 2	5	5	—	Fine day.
11	·54	·61	56·7	56·4	54·2	58·2	0·7	0·7	·438	·434	95	96	E 4	NE 2	10	10	·150	● during day.
12	·58	·58	58·0	54·4	54·2	58·7	1·4	0·9	·439	·398	91	95	NE 1	NE 1	10	10	·330	● 9*a*.—4*p*.
13	·58	·53	56·1	53·6	52·7	60·5	2·8	2·3	·372	·347	82	84	N 4	N 1	10	10	—	Dull day.
14	29·43	·32	58·0	55·9	50·2	67·7	3·0	3·7	·393	·346	81	77	S 1	SW 2	10	10	·240	
15	28·91	·10	54·9	53·7	52·2	64·9	0·9	3·2	·404	·327	94	79	E 2	SW 8	5	10	·110	● 6*a*.—9*a*. T in afternoon.
16	29·24	·35	57·4	55·2	49·0	62·1	2·4	2·3	·400	·370	85	85	SW 6	SW 6	5	10	·090	Cloudy, with ● 0 showers.
17	·36	·55	57·5	53·5	52·6	65·5	1·7	1·6	·423	·441	90	89	W 1	W 2	10	7	·120	● *n*. ● showers till 11*a*.
18	·63	·71	57·6	51·7	45·7	62·3	2·5	1·1	·401	·355	84	92	W 1	W 1	5	10	·030	Dull day. ● 1*p*. and 6*p*.
19	·71	·66	57·7	52·9	50·3	66·6	4·2	1·6	·358	·372	75	93	SW 1	W 1	5	10	·060	Dull day.
20	·56	·61	55·1	53·9	47·1	67·8	1·6	1·0	·388	·387	89	93	SW 2	W 1	10	10	·060	● showers *n*. and till 7*a*., and at 2*p*.
21	·51	·49	57·4	50·0	49·9	60·4	1·1	2·7	·438	·293	93	82	W 1	NW 1	10	0	·010	● showers *n*. and till 1.30*p*.
22	·55	·52	57·2	51·4	46·5	63·8	6·3	2·3	·300	·321	64	85	W 2	W 1	5	7	·290	● showers during day. [showers *p*.
23	·36	·40	49·4	49·2	47·3	62·1	0·7	2·3	·335	·294	95	84	W 1	W 1	10	10	·220	● showers *n*. and till 8.30*a*. T ●
24	·38	·34	57·4	48·6	40·5	62·2	4·8	0·2	·337	·337	71	99	W 1	NE 1	5	10	·500	● showers 4*p*.—9*p*. ▲ 5.30*p*.
25	·33	29·16	55·5	50·2	47·0	61·2	2·7	1·1	·365	·335	83	93	SE 1	SE 1	5	10	·220	Dull day.
26	·02	28·99	49·7	49·2	48·0	61·5	1·6	2·5	·316	·289	89	83	W 2	NW 1	10	10	·010	● *n*. ● showers during day.
27	·04	29·26	51·5	49·5	47·0	61·1	2·0	1·4	·329	·318	87	90	NE 1	NW 1	10	10	·020	Cloudy day. ● 0 7*p*.
28	·52	·65	54·4	47·2	47·6	60·5	4·2	3·9	·312	·243	73	74	NE 2	NW 1	10	10	—	
29	·72	·86	51·3	44·8	41·7	55·6	3·2	1·3	·298	·267	79	90	SW 1	NE 1	10	10	·070	● showers 0.30*p*.—2*p*.
30	29·93	29·96	52·4	43·9	38·4	55·5	5·5	0·8	·261	·268	67	94	NW 1	N 1	5	10	·100	● 5.15*p*.—7.30*p*.
31	30·03	30·03	52·0	46·4	38·1	63·0	5·1	0·4	·264	·306	69	97	NW 1	W 1	7	10	—	Fine day.
Mean	29·608	29·627	57·0	53·7	49·2	63·6	2·8	1·9	·387	·372	82·8	89·1		1·7		1·7	7·8	8·4	2·710	

GLASGOW.—AUGUST 1890.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.						Wind, Direction and Force.				Cloud Amount.		Rain.	Remarks.
							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	29·62	29·62	58·8	57·0	53·6	67·2	3·6	3·1	·388	·374	78	80	W	1	W	1	9	2	—	Sunny day.
2	·74	·87	61·2	54·3	49·7	67·8	4·4	2·0	·403	·365	75	86	Calm	0	W	1	3	3	—	Sunny day.
3	·89	·85	58·2	59·0	50·9	65·0	3·9	0·9	·371	·470	77	95	W	1	SW	1	9	10	·137	Dull and cloudy. ● at night.
4	·85	·88	60·6	62·9	57·5	66·3	1·0	2·3	·496	·494	94	86	SW	1	SW	2	10	10	—	Dull and threatening.
5	·88	·81	65·8	58·7	58·7	**68·7**	4·8	1·4	·467	·449	74	91	SW	2	W	2	7	8	·018	Dull and cloudy. ≤⁰ ●⁰
6	·91	·97	59·6	57·4	51·0	62·4	4·7	3·2	·370	·378	73	80	W	1	W	1	8	10	—	Overcast.
7	29·99	·99	60·1	58·9	54·9	66·6	3·3	3·0	·416	·406	80	82	NE	1	E	2	7	10	—	Cloudy, with ∞, then overcast.
8	30·01	·98	56·8	56·3	53·0	68·5	1·8	4·3	·409	·335	88	74	E	1	E	4	10	3	—	Cloudy, with ∞.
9	29·99	·89	56·2	57·1	51·8	63·0	2·5	1·2	·379	·430	84	92	E	1	E	2	10	10	—	Dull and overcast.
10	·76	·59	61·7	57·4	55·8	67·2	3·6	3·0	·433	·384	79	81	E	3	NE	4	7	6	·010	Cloudy, with squally ⸝.
11	·51	·56	58·0	57·5	55·3	62·5	1·5	1·4	·436	·430	90	91	NE	1	E	1	10	10	·300	Dull and overcast. ●⁰
12	·56	·55	58·4	53·2	53·2	64·4	1·3	1·3	·447	·369	91	91	W	1	N	1	7	10	·610	☇ ●²
13	·57	·50	57·1	56·1	51·9	64·0	3·9	3·4	·356	·355	76	79	NW	1	E	1	9	10	—	Dull and cloudy.
14	29·42	·29	55·8	54·4	51·8	61·8	3·7	2·4	·343	·356	78	84	SW	2	S	1	10	10	·460	Dull and threatening.
15	28·81	·16	54·2	51·9	51·9	58·4	0·9	3·0	·394	·309	94	80	S	3	W	4	10	8	·047	●² *a*. Squally ⸝.
16	29·25	·38	54·5	54·9	47·8	59·8	3·4	2·2	·333	·369	78	86	SW	2	SW	1	8	10	·165	Cloudy, with ●⁰ showers.
17	·42	·58	56·9	54·0	53·0	61·6	2·6	2·0	·386	·361	83	86	SW	2	W	2	7	6	·005	●⁰ *a*.
18	·64	·69	56·3	50·7	47·9	62·2	3·8	1·3	·348	·335	77	91	W	2	SW	1	10	0	—	
19	·70	·67	56·3	50·0	48·4	63·1	3·4	2·2	·358	·305	79	85	NE	1	W	1	7	3	—	
20	·56	·65	53·9	54·3	47·3	63·3	1·7	2·4	·367	·355	88	84	SW	1	W	1	10	10	·033	Dull and threatening.
21	·56	·54	56·0	51·4	51·1	59·2	1·4	3·3	·407	·296	91	78	W	2	W	2	10	7	·584	Cloudy, with ●² showers.
22	·59	·50	51·4	51·9	47·2	57·7	1·7	0·9	·335	·362	89	94	W	1	W	1	7	10	·658	Cloudy, with ●² showers.
23	·36	·42	52·7	47·5	47·5	57·9	2·9	1·7	·323	·287	81	89	W	1	SW	1	7	3	·024	●² *a*. T⁰
24	·40	·36	52·4	48·3	42·5	58·5	3·6	0·6	·301	·323	77	96	W	2	W	1	10	3	—	Sunny day.
25	·32	·12	54·2	53·8	46·5	60·2	2·4	1·3	·353	·377	84	91	SW	1	E	1	10	10	·400	Dull and threatening. ●² *n*.
26	·02	·01	52·0	47·8	45·7	54·2	3·4	0·9	·301	·309	78	94	W	1	W	1	6	4	·337	Cloudy, with ●² showers.
27	·01	·27	50·9	50·0	42·8	58·8	1·5	2·9	·333	·288	90	81	W	1	W	1	10	3	·005	●⁰ *a*. Cloudy day.
28	·56	·68	56·9	45·7	45·7	58·6	6·3	2·5	·297	·251	**64**	82	NW	1	W	2	7	3	·020	Sunny day.
29	·72	·85	52·0	48·5	43·5	59·3	4·4	1·5	·278	·304	72	90	NW	1	NE	1	4	4	—	Sunny day.
30	29·92	29·95	50·3	46·7	43·9	57·6	4·0	2·7	·268	·256	74	81	E	1	NE	1	8	10	—	Dull and cloudy.
31	30·03	30·03	49·9	47·3	**40·6**	57·6	3·6	2·4	·272	·270	76	84	SW	1	SW	1	6	8	·170	Sunny day.
Mean	29·599	29·619	56·1	53·4	49·8	62·0	3·1	2·2	·367	·353	81·0	85·9		1·3		1·5	8·2	6·9	3·983	

WOLFELEE.—AUGUST 1890.

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	29·20	29·18	58·5	54·0	52·3	69·0	2·4	0·9	·417	·391	85	94	SW		SW		—	—	·080	● showers *p*.
2	·28	·42	58·5	51·5	49·4	68·0	3·4	0·9	·389	·357	79	93	SW		SW		—	—	—	Fine *p*.
3	·44	·44	58·5	56·0	48·4	69·0	3·1	2·4	·397	·381	80	85	W		W		—	—	·020	Fine and clear *a*. ● showers *p*.
4	·44	·47	61·5	60·5	54·3	68·0	1·9	1·9	·483	·465	89	89	W		W		—	—	—	Dull *a*. Fine and blowy *p*.
5	·47	·39	69·0	59·0	55·3	69·5	2·4	2·4	·610	·424	86	86	SW		SW		—	—	—	Fine, clear and blowy.
6	·45	·52	62·0	57·0	50·3	70·4	5·4	0·9	·388	·437	**70**	94	NW		SSE		—	—	—	Fine and clear.
7	·54	·56	60·5	57·0	49·4	**71·2**	3·9	1·4	·406	·422	78	91	S		SW		—	—	—	Fine day.
8	·56	·56	61·5	51·0	45·4	67·0	4·4	0·9	·407	·351	75	94	SW		SE		—	—	—	Very fine *a*., then dull. Fine *p*.
9	·52	·44	57·5	58·0	40·4	71·0	2·4	1·9	·402	·424	85	88	NE		SE		—	—	—	Fine *a*. Dull and blowy *p*.
10	·32	·16	62·0	56·0	54·3	63·0	3·4	2·9	·444	·368	80	82	SE		SE		—	—	·220	Dull and blowy.
11	·00	·10	60·0	56·0	52·8	65·0	1·4	0·9	·472	·422	92	94	NE		NE		—	—	·070	Dull, with ●⁰ *a*. ●⁰ *p*.
12	·08	·07	58·5	53·0	53·0	67·0	0·9	0·4	·462	·391	94	97	NE		NE		—	—	·860	Dull *a*. ● *p*.
13	29·05	29·03	53·5	50·5	48·4	64·0	1·4	0·4	·370	·356	90	97	NE		NE		—	—	·420	Dull, with ● *a*. ● *p*.
14	28·99	28·91	53·5	53·0	46·9	54·0	0·9	1·4	·384	·363	93	90	W		W		—	—	·260	Fine *a*. Dull *p*.
15	·51	·78	54·5	49·0	49·0	65·0	1·9	1·4	·371	·312	87	90	SW		SW		—	—	·180	Blowy, with ● *a*. Fine and blowy *p*.
16	·87	28·99	54·0	54·0	42·4	59·0	4·4	4·4	·301	·301	72	72	SW		SW		—	—	—	Fine day.
17	28·97	29·10	58·0	54·0	48·4	64·0	2·4	2·9	·410	·337	85	81	SW		SW		—	—	·120	Blowy, with ● showers *a*. Fine *p*.
18	29·19	·23	58·0	49·0	47·4	68·0	4·9	0·4	·345	·338	72	97	SW		SW		—	—	—	Fine day.
19	·25	·21	53·5	52·5	38·0	67·0	1·9	1·9	·356	·344	87	87	SW		SE		—	—	—	Fine, then dull. Fine *p*.
20	·15	·15	52·5	50·5	40·9	68·0	2·9	1·9	·319	·319	81	87	WSW		SW		—	—	—	Dull and blowy *a*. Fine *p*. [and clear *p*.
21	·13	·11	58·0	50·0	48·4	63·0	2·4	1·4	·410	·324	85	90	SW		W		—	—	·050	Dull and blowy *a*. ● showers. Fine
22	29·18	29·09	54·0	51·0	42·4	65·0	2·9	1·4	·337	·338	81	90	SW		SW		—	—	·440	Blowy *a*. ● showers. Dull *p*.
23	28·92	28·98	48·0	46·0	44·4	62·0	1·4	1·4	·309	·278	90	90	NW		SW		—	—	·110	Dull, with ● *a*. ● showers *p*.
24	·96	·92	52·0	47·5	36·0	59·0	3·4	1·4	·301	·294	78	90	NW		W		—	—	·100	Fine and blowy *a*. ● showers. Clea
25	·88	·70	53·5	47·0	34·5	61·0	2·4	1·4	·343	·289	84	90	NW		W		—	—	·220	Fine and bright *a*. ● *p*. [*p*.
26	·60	·61	50·5	45·0	42·4	61·8	2·9	1·4	·295	·266	81	89	SW		W		—	—	·020	Fine and clear.
27	28·63	28·79	52·0	45·0	35·0	58·5	2·4	1·4	·325	·266	84	89	SW		SW		—	—	—	Fine *a*.
28	29·08	29·20	52·0	48·0	39·0	53·8	3·4	2·4	·301	·276	78	83	N		N		—	—	·120	Fine and blowy *a*. ● showers. Fine *p*.
29	·27	·36	50·0	44·0	33·0	60·0	3·4	1·4	·278	·257	78	89	NW		NE		—	—	·010	Fine and bright.
30	·45	·47	50·5	40·0	36·0	59·0	3·9	1·4	·273	·218	75	89	N		NE		—	—	—	Fine and clear.
31	29·53	29·59	46·5	45·5	**28·0**	56·5	2·9	1·4	·251	·272	80	90	N		NW		—	—	—	Clear and frosty *a*. Fine and clear *p*.
Mean	29·158	29·178	55·9	51·3	44·7	64·1	2·8	1·6	·372	·341	82·4	89·3		—		—	—	—	3·300	

SCARBOROUGH.—AUGUST 1890.

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	29·68	29·59	62·7	50·0	55·3	67·4	4·5	0·9	·424	·421	74	94	SW	1	NE	2	8	10	·820	Fine *a*. ●² *p*. ☇ 4*p*.—5*p*.
2	·70	·87	55·8	54·8	54·5	61·9	1·0	3·5	·416	·334	94	78	NW	3	E	2	10	2	·010	● *a*. Very fine *p*.
3	·03	29·93	60·6	60·6	52·3	75·0	3·6	5·1	·416	·374	79	72	Calm	0	SW	1	2	8	—	Very fine and warm.
4	29·97	30·00	64·6	65·3	56·0	76·0	3·7	5·1	·479	·449	80	72	SW	2	SW	2	7	7	—	Very fine and warm.
5	30·00	29·90	73·2	62·3	59·1	**78·2**	7·9	4·7	·507	·412	**62**	73	SW	2	SW	1	0	0	—	Very fine and hot.
6	29·90	29·95	62·3	58·4	56·3	63·5	3·8	2·6	·436	·410	78	84	NW	3	N	1	7	10	—	Dull *p*. Cool breeze.
7	30·03	30·04	60·0	56·5	56·3	63·1	4·0	1·9	·396	·401	76	88	NE	1	N	1	2	0	—	Dull 3*p*.—8*p*. Cool breeze.
8	30·03	29·97	62·3	57·7	50·5	64·9	5·3	2·6	·394	·400	70	84	ENE	1	E	1	5	10	·020	Bright and dry. Overcast *n*.
9	29·96	·89	57·8	59·0	55·3	65·0	2·8	2·0	·396	·436	82	88	ESE	2	SE	1	10	10	—	Dull day. ≋ 6*p*.
10	·78	·53	58·9	56·5	50·5	59·7	1·0	0·3	·465	·447	94	97	E	3	SE	2	10	10	·770	●² 2*p*.—8*p*. [1*p*.
11	·42	·50	60·8	59·9	56·5	64·1	0·8	1·1	·505	·479	95	94	W	2	W	1	10	10	·050	≋⁹ (mist) *a*. Warm and damp. ●⁰
12	·52	·87	59·9	56·5	56·5	62·4	1·8	1·5	·457	·412	90	90	W	1	WNW	2	10	3	·270	●² noon and 3*p*. T. Fine evening.
13	·43	·47	58·4	54·1	50·4	60·6	3·6	1·1	·382	·386	78	92	NW	3	NW	2	5	10	·240	●² noon and 5*p*.—7*p*. Distant ☇ 10*p*.
14	·46	·38	54·6	56·2	51·6	62·0	1·9	1·6	·371	·404	88	90	W	3	W	1	10	2	·130	●² showers. Fine intervals.
15	·13	·27	59·4	53·4	53·4	64·0	2·4	3·9	·430	·306	86	75	WSW	7	WSW	3	5	0	·010	⸝ ●⁹ showers.
16	·37	·55	53·6	52·3	49·4	60·0	1·6	3·1	·366	·312	89	79	WSW	3	WSW	1	10	0	·030	● *a*., then fine. ⸝ *p*. ⌒
17	·57	·61	59·0	57·5	50·3	66·9	4·1	4·6	·377	·345	76	73	W	4	W	2	2	0	—	Very fine and bright.
18	·67	·67	57·4	53·1	52·3	60·9	2·2	0·9	·406	·378	86	93	W	2	Calm	0	9	10	·030	3*p*.—5*p*.
19	·69	·69	60·3	54·6	50·1	62·8	3·9	1·6	·403	·379	77	89	NE	1	E	1	5	5	—	Fine and bright.
20	·68	·62	58·0	55·6	52·2	64·9	3·0	1·7	·393	·393	81	88	WNW	1	W	1	7	0	—	Fine *a*. Dull later.
21	·68	·57	60·4	54·4	53·5	62·4	3·5	1·2	·416	·388	79	92	WNW	3	WNW	3	5	5	·300	●² 5*p*.—7*p*.
22	·69	·60	53·6	54·6	46·8	61·2	0·7	3·5	·391	·331	95	78	NW	4	NW	2	5	10	·350	Fine and windy. ●⁰ showers noon.
23	·84	·42	51·6	53·4	51·6	60·6	2·1	3·4	·328	·318	86	78	NNW	3	NW	2	10	5	·130	●² showers in afternoon.
24	·44	·42	56·8	49·5	47·3	60·1	3·8	2·2	·355	·299	76	85	NW	2	W	1	1	0	·150	Frequent ●⁰ showers.
25	·37	·26	57·7	53·5	44·7	61·9	4·0	3·2	·362	·324	76	79	W	1	W	1	2	10	·160	● showers.
26	·11	·10	57·2	53·6	46·3	59·1	5·0	4·4	·330	·371	70	90	W	4	W	1	8	7	·100	●² showers.
27	·12	·32	57·2	50·7	46·4	61·1	4·8	1·9	·335	·322	71	88	W	2	W	2	6	10	·110	● showers.
28	·45	·64	56·4	50·5	45·6	60·4	4·3	1·5	·335	·329	74	89	N	3	N	2	5	5	·010	Fine day. ●⁰ 8*p*.
29	·71	·77	54·3	49·3	**44·6**	59·7	5·7	2·8	·277	·283	66	81	NW	2	NW	1	5	5	·100	Fine day. ●⁰ 8*p*.
30	·84	29·89	55·5	49·4	46·6	56·0	6·3	2·3	·279	·295	63	85	NNW	5	NNW	2	2	8	·070	Fine and bright, with cold wind. ●² [1*p*.
31	29·96	30·06	48·5	46·5	45·1	57·5	1·5	2·0	·304	·270	89	86	NNE	3	NNE	1	7	2	·010	Fine, but cold. ● 10*p*. [10*p*.
Mean	29·633	29·641	58·3	55·0	51·4	63·4	3·4	2·4	·391	·368	80·0	84·6		2·5		1·5	6·1	5·6	3·870	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—AUGUST 1890.

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	29·68	29·70	58·7	54·8	54·6	60·2	0·9	0·2	·466	·424	95	98	SSW	1	NW	2	10	10	·232	Overcast with ●.
2	·82	·96	59·4	54·0	52·4	64·2	2·7	1·2	·422	·382	84	92	NNW	5–6	NNW	4	2	3	—	Squally ⸝ *a*. Very fine.
3	29·99	29·99	59·4	57·9	47·9	64·3	3·0	0·9	·414	·452	82	94	WNW	3	Calm	0	4	9	—	Fine day.
4	30·00	30·03	62·8	57·3	57·3	**65·3**	3·1	0·3	·468	·461	82	98	W	2	SW	1	8	8	—	Cloudy *a*. Fine afternoon. ⊅ *p*.
5	30·01	29·93	58·0	59·0	56·0	62·9	0·2	0·3	·476	·490	99	98	SSW	3	W	2	0	10	—	≋ *a*. Dull afternoon.
6	29·98	30·01	64·6	52·8	51·8	65·7	4·6	2·6	·453	·330	75	82	NW	1	NW	1	4	0	—	Fine day. ⊅ *p*.
7	30·03	30·03	63·7	56·0	44·0	65·2	5·4	0·9	·415	·422	**71**	94	SE	3	Calm	0	3	9	—	Very fine day.
8	30·03	29·99	59·3	60·2	53·0	65·0	1·9	3·0	·444	·426	88	82	E	3	ENE	3	10	3	—	Dull, with ≋⁰ (mist) *a*. Fine after-
9	29·96	·84	60·0	61·0	55·3	63·4	2·4	3·0	·441	·439	86	82	ENE	3	E	4	10	10	—	Dull day. [noon. ⊅ *p*.
10	·68	·48	62·0	59·7	58·3	63·6	1·8	0·7	·494	·490	89	96	ENE	5	E	5	10	10	1·280	Overcast. ●² *p*. and at night.
11	·51	·57	59·9	59·9	57·0	65·6	0·1	1·5	·513	·467	99	91	WNW	1	NNW	2	10	10	·008	●² *a*. Dull day.
12	·63	·65	61·0	54·0	53·8	64·3	3·8	2·0	·416	·360	78	86	NNW	4	NW	4–5	7	4	·009	Cloudy day. ● 2*p*. Squally *p*.
13	·61	·58	58·2	54·7	52·8	63·8	2·2	1·7	·418	·379	86	89	N	3	NNW	4–5	10	4	·002	Cloudy day.
14	·52	·39	55·3	56·4	51·6	61·7	0·5	1·1	·423	·422	97	93	WNW	3	SSW	3	10	10	·240	● *a*. Dull day. Stormy with ● *n*.
15	·06	·34	56·0	51·8	51·8	61·3	3·6	3·8	·350	·289	77	75	WSW	8	W	4	10	3	·048	Squally ⸝ *a*. Dull with ●² showers.
16	·41	·53	56·0	56·0	51·0	61·0	4·2	1·0	·335	·419	74	93	WNW	3	WSW	4	3	3	—	Fine day.
17	·61	·68	58·0	54·0	52·6	62·4	3·2	0·3	·388	·409	80	98	WSW	5	NW	1	8	7	—	⸝ *a*. Cloudy day. ⊅ *p*.
18	·70	·73	59·6	52·8	50·4	62·0	4·4	1·0	·378	·372	74	93	SE	2	WNW	2	8	2	—	Fine day. ⊅ ●² *p*.
19	·74	·75	59·8	45·6	45·3	63·0	4·0	0·6	·392	·292	76	96	W	2	N	1	2	0	—	Fine day. ⊅ *p*.
20	·70	·76	56·0	55·2	45·6	63·7	2·0	1·2	·391	·401	87	92	WSW	4	NNW	2	10	10	·040	Dull day.
21	·71	·74	58·4	52·8	52·0	62·4	0·8	2·4	·464	·335	95	83	WNW	5	W	3	9	1	·317	Squally ⸝ ● *a*. Day dull with ●².
22	·73	·60	57·0	52·0	52·0	59·0	3·2	0·2	·372	·383	80	99	WSW	6	SW	2	7	10	·970	Squally ⸝ *a*. Dull day. [6*p*.
23	·48	·54	54·6	46·4	46·4	58·2	2·6	0·4	·353	·306	83	97	WNW	5	WNW	2	6	8	·161	●² *a*. Fine day. ● showers from
24	·52	·49	54·0	51·6	45·7	58·2	3·2	2·6	·352	·315	84	82	WNW	4	W	2	7	7	·058	● showers *a*. and from 3*p*. Cloudy.
25	·41	·16	57·3	52·0	51·0	58·3	4·2	2·8	·351	·315	75	81	WNW	4–5	WNW	5	5	8	·468	⸝ ● *a*. and *p*. Dull and cloudy.
26	·12	·11	53·8	45·0	45·0	57·0	4·1	2·0	·305	·253	74	85	W	4–5	WNW	2	7	3	·022	Cloudy with ● showers. ⊅ *p*.
27	·13	·30	54·0	49·0	45·0	57·2	4·2	2·2	·306	·294	73	85	WNW	4–5	NNW	2	7	2	·005	Cloudy day. ⊅ *p*.
28	·61	·78	62·2	50·6	48·0	62·3	5·2	2·8	·397	·308	**71**	81	N	4	NW	3	3	4	—	Fine with squally ⸝ (force 7). ⊅ *p*.
29	·80	·85	55·0	50·2	50·2	58·8	3·8	2·4	·330	·302	76	84	NW	4	NNW	2	7	5	—	Very fine. ⊅ *p*.
30	29·96	29·97	53·9	45·0	45·0	58·2	4·2	1·8	·304	·257	74	86	ENE	2	N	1	9	7	—	Cloudy day. ≤ ⊅ *p*.
31	30·07	30·12	54·0	43·3	**43·3**	59·8	3·7	1·3	·317	·252	76	90	E	2	N	1	7	7	·028	Cloudy day. ● shower noon.
Mean	29·684	29·696	58·1	53·3	50·5	61·9	3·0	1·6	·398	·369	81·9	89·5		3·6		2·4	6·9	6·0	3·888	

STONYHURST.—AUGUST 1890.

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	29·47	29·43	60·2	56·0	54·5	62·6	3·5	1·6	·413	·402	79	89	SWbyS 1	NW 1	10	10	·562	Overcast, with ●.
2	·55	·70	59·5	57·6	54·1	64·7	3·0	2·0	·416	·415	82	87	SWb.W 1	WbyS 1	6	10	·162	Cloudy *a*. Overcast, with ● showers *p*.
3	·76	·78	59·5	56·4	51·0	64·9	4·5	2·0	·374	·396	73	87	W 2	Calm 0	4	8	·036	Cloudy day.
4	·79	·84	59·1	59·6	54·1	69·9	1·1	2·4	·466	·434	93	85	WSW 1	WbyS 1	10	3	—	Cloudy day.
5	·79	·74	65·3	56·9	56·4	70·1	4·6	2·1	·465	·400	75	87	Calm 0	WbyN 1	0	4	·048	Cloudy, with ∞ *a*.
6	·73	·77	59·8	58·4	55·4	69·0	0·8	3·3	·488	·391	95	80	WSW 1	Calm 0	10	10	—	Overcast *a*. Clear and sunny *p*.
7	·80	·80	61·0	61·1	55·4	65·2	2·9	4·0	·442	·412	83	77	E 1	EbyN 1	10	10	—	Overcast.
8	·81	·77	61·4	57·5	53·1	68·1	5·6	4·4	·374	·349	69	74	EbyN 1	ENE 1	0	0	—	∞ *a*. Clear and sunny.
9	·74	·65	58·2	59·9	53·3	64·1	3·4	0·7	·385	·493	79	96	E 2	E 2	10	10	—	Overcast day.
10	·46	·30	61·2	58·4	57·2	64·7	2·2	0·8	·467	·464	87	95	NE 1	NEbyE 1	10	10	·787	Overcast, with ●.
11	·27	·34	62·1	57·4	56·8	65·4	1·6	1·0	·503	·441	90	94	WSW 1	Calm 0	10	10	—	Overcast.
12	·35	·36	62·9	56·3	56·0	63·0	3·6	2·7	·453	·377	79	83	WNW 2	WbyN 3	10	8	·262	Overcast, with ● ^{0}a. Sunny *p*.
13	·30	·30	52·5	54·5	49·7	58·9	2·2	3·2	·336	·337	85	79	SW 1	NWb.N 1	10	10	·072	Overcast, with ● < *a*. ● showers *p*.
14	29·30	·22	56·4	54·8	54·5	59·3	4·4	1·7	·335	·381	73	89	WbyS 2	WSW 1	10	10	·099	● ^{0}a. Overcast.
15	28·94	·14	59·5	54·4	52·8	61·1	5·5	4·1	·349	·314	68	74	SWbyW 5	SW 2	6	9	·340	Cloudy, with squally ⟋ ●. < *9p*.
16	29·17	·38	55·0	52·9	47·1	59·2	3·5	2·9	·337	·323	78	81	SbyW 3	SW 1	10	8	·110	ϟ △ ● *9a*. Sunny *p*.
17	·41	·47	58·6	55·7	52·6	63·1	3·6	2·3	·385	·379	78	85	WSW 3	WbyS 1	7	9	·030	Cloudy day.
18	·48	·48	57·6	55·8	52·7	64·8	2·3	1·7	·407	·393	85	88	Calm 0	Calm 0	9	9	·065	Overcast, with ● *a*. Sunny *p*.
19	·49	·51	59·5	54·0	47·9	63·5	3·5	1·3	·401	·380	79	91	NE 1	Calm 0	4	10	—	∞ *a*. Overcast and gloomy.
20	·49	·52	57·1	56·5	44·6	61·1	2·2	1·4	·401	·415	85	91	SWbyS 1	WSW 1	10	10	·098	≈ early *a*. Overcast day.
21	·53	·48	57·1	53·1	52·8	58·3	0·8	2·2	·442	·344	94	84	SWbyW 1	WbyN 1	10	1	·540	Overcast, with ●.
22	·56	·44	55·8	52·1	49·8	59·1	4·0	0·9	·338	·365	76	93	W 4	SW 1	7	10	1·240	Overcast, with ● ^{2} showers.
23	·23	·29	53·1	48·6	46·6	57·8	2·4	1·4	·339	·307	83	90	W byN 3	Calm 0	10	3	·190	Cloudy, with ● showers. ⌒
24	·28	·25	53·6	49·9	43·5	57·5	3·0	1·5	·330	·320	80	90	SWb.W 1	Calm 0	6	5	1·180	Cloudy, with ● showers. △ *1p*. ● ^{2} [⌒ <
25	29·19	29·00	54·9	49·9	47·1	57·1	2·4	1·9	·364	·310	85	87	W 3	SSE 1	8	10	·438	● showers *a*. Overcast.
26	28·93	28·90	53·2	48·1	47·6	56·6	2·2	0·9	·344	·313	85	93	SWb.W 3	Calm 0	8	10	·483	Cloudy, with ● showers. △ *1p*. ϟ *6p*. [and *9p*. ⌒
27	28·93	29·02	53·5	50·1	46·1	57·2	3·0	0·7	·329	·344	80	95	WSW 2	Calm 0	7	2	·210	
28	29·33	·51	52·3	50·8	40·5	60·8	1·9	3·8	·341	·278	87	75	Calm 0	NNW 1	4	3	·030	Cloudy day.
29	·55	·61	52·6	47·6	42·1	57·7	4·1	2·0	·293	·282	74	86	NWb.W 1	NE 1	8	8	·053	Cloudy day. ● ^{0}p.
30	·71	·73	51·7	48·8	41·5	56·4	5·5	2·8	·253	·278	66	80	NEbyN 1	Calm 0	3	10	—	Sunny *a*. ⌒. Cloudy *p*. < in even.
31	29·83	29·90	52·5	46·9	38·9	58·4	5·2	2·4	·267	·265	68	84	Calm 0	Calm 0	1	6	—	Sunny *a*. Cloudy *p*.
Mean	29·456	29·471	57·3	54·2	50·2	61·9	3·2	2·1	·382	·365	80·4	86·1		1·6		0·8	7·4	7·6	7·035	

HILLINGTON.—AUGUST 1890.

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	29·82	29·65	65·6	63·0	57·0	70·4	3·0	2·4	·522	·492	83	86	SW 1	NW 1	10	2	—	Fine and sunny. Much cir. *p*.
2	29·81	29·94	59·8	57·0	54·6	66·2	2·1	0·6	·446	·446	87	96	NW 2	N 2	8	8	—	≈ (mist) *p*.
3	30·09	30·07	65·0	58·1	48·0	73·4	4·4	1·3	·465	·443	76	91	NW 0·5	NW 2	2	8	—	Very fine and sunny. ⌓ *p*.
4	·10	·15	62·2	05·0	51·0	73·9	2·4	2·4	·479	·531	86	86	W 0·5	W 0·5	7	10	—	⌓ *p*.
5	30·10	·02	72·0	62·5	60·0	81·3	6·8	1·6	·520	·509	66	90	NW 1	W 1	6	0	—	Very fine, sunny, and hot. ⌓ *p*.
6	29·99	·05	67·9	58·0	51·2	72·4	5·3	0·3	·489	·472	71	98	N 2	N 3	5	10	—	Very fine and sunny. ⌓ *p*.
7	30·08	·10	61·5	53·5	53·4	68·8	3·4	0·6	·436	·393	80	95	NE 3	NE 2	5	2	—	∞ *p*.
8	30·11	30·04	60·0	56·2	45·0	62·4	5·0	0·5	·369	·436	71	97	NE 4	NE 3	8	6	—	Cloudy day.
9	29·96	29·92	59·5	60·0	55·1	65·4	1·9	1·4	·447	·472	89	92	N 1	N 1	10	10	—	Cloudy all day.
10	·71	·62	64·0	59·6	59·0	67·4	1·3	0·5	·548	·494	92	97	W 3	W 1	10	0	·917	● ^{2}a. and *p*.
11	·53	·63	63·8	62·0	56·5	72·8	2·2	0·6	·512	·535	88	96	SW 1	SW 0·5	8	10	·448	● ^{2}a. ● showers *p*. ϟ
12	·66	·63	62·2	57·8	57·0	68·4	1·3	1·6	·514	·430	92	89	W 1	SW 0·5	9	0	·060	Overcast.
13	·59	·67	61·2	55·1	50·0	65·6	4·5	1·2	·400	·399	75	91	W 3	W 4	3	8	—	T
14	·65	·60	61·0	58·1	51·5	68·4	3·4	2·4	·427	·410	80	84	W 2	SW 3	5	6	·128	T ● ^{0}
15	·39	·51	63·0	56·0	53·5	67·4	2·9	2·2	·475	·384	83	86	SW 4	SW 3	8	3	·042	● ^{0}
16	·57	·84	56·8	53·0	50·0	64·5	1·5	1·1	·416	·371	90	92	SW 2	SW 2	10	0	—	Fine and sunny. T
17	·83	·83	60·0	55·0	46·0	68·9	1·4	1·3	·472	·394	92	91	S 1	S 1	2	2	·010	Fine and sunny.
18	·76	·74	60·2	56·1	46·0	68·6	1·6	1·3	·469	·412	91	91	S 1	NE 1	10	0	—	Cloudy.
19	·70	·82	61·0	54·5	51·3	65·4	3·3	0·8	·430	·401	81	95	NE 3	NE 0·5	6	10	—	Cloudy *a*. and *p*. Sunny *9a*.—*1p*.
20	·80	·81	63·1	56·2	49·0	68·5	5·5	3·6	·401	·351	70	78	NE 1	NE 1	6	6	·190	Sunny till *5.30p*., then cloudy.
21	·86	·75	64·0	59·0	51·5	67·4	3·2	1·4	·483	·454	81	92	SW 1	SW 3	4	10	—	Sunny till *3p*., then cloudy.
22	·88	·85	59·2	56·1	48·0	61·4	4·3	3·3	·374	·357	75	79	S 4	S 4	3	3	·190	Sunny day.
23	·52	·56	57·1	49·0	48·0	65·6	0·4	1·8	·454	·302	97	87	NW 3	NW 1	10	0	—	Sunny day.
24	·56	·53	58·6	50·4	38·5	63·9	4·7	0·9	·357	·342	73	94	SW 0·5	SW 0·5	6	8	—	Very fine and sunny. ϟ *3.30p*.—*5p*.
25	·52	·45	57·5	54·0	38·0	65·8	3·6	1·3	·370	·379	78	91	W 2	W 1	5	10	·240	Sunny day.
26	·32	·29	56·0	52·2	47·0	62·6	2·5	0·7	·375	·371	84	96	W 5	W 3	5	6	—	Sunny day.
27	·27	·38	54·0	50·2	45·1	65·4	2·3	0·5	·353	·351	84	97	W 2	W 1	4	8	·060	Sunny day. ϟ ● ^{2} *3.30p*.—*4.30p*.
28	·62	·78	56·0	48·2	47·0	63·4	1·8	0·7	·396	·319	88	96	W 3	W 1	2	6	·250	Sunny till *5p*., then cloudy.
29	·83	·87	55·5	44·1	44·0	61·6	2·8	0·4	·361	·279	82	97	N 1	N 0·5	0	0	·120	Sunny day. ⌓ *p*.
30	29·95	29·98	52·6	44·5	38·0	60·4	2·4	0·8	·333	·275	83	94	N 0·5	N 1	0	0	—	Sunny day. T △ in aft. ⌓ *p*.
31	30·04	30·20	54·2	42·6	42·6	59·5	1·5	0·8	·377	·255	90	93	N 3	N 1	5	0	—	Very fine and sunny. ⌓ *p*.
Mean	29·761	29·779	60·5	55·1	49·4	67·0	3·0	1·3	·435	·402	82·5	91·5		2·0		1·6	5·9	4·9	2·655	

CHURCHSTOKE.—AUGUST 1890.

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	29·24	29·30	56·8	52·8	52·1	61·3	2·8	0·8	·381	·377	82	94	SW 1	W 1	10	10	·742	Dull day. T ● ^{2}. Distant ϟ.
2	·39	·55	59·8	49·6	49·0	67·5	3·8	1·6	·399	·315	77	89	WNW 2	W 1	9	0	—	Cloudy, then sunny.
3	·59	·60	60·4	52·3	43·2	71·3	3·9	1·8	·404	·344	77	88	NW 1	NW 1	8	8	—	⌓. Fine and bright.
4	·63	·67	62·5	58·6	49·6	72·1	2·2	1·6	·489	·443	87	90	E 1	NW 1	9	8	—	⌓ ^{2}. Day close.
5	·62	·55	64·0	50·6	48·9	69·8	5·2	0·8	·424	·348	71	95	W 2	W 1	8	0	—	⌓ ^{2}. Changeable.
6	·55	·57	62·0	59·0	47·2	70·1	2·4	2·0	·475	·436	86	88	W 1	NW 1	10	9	—	⌓. Dull and close.
7	·60	·57	58·2	62·0	56·4	65·1	2·0	1·2	·424	·514	87	93	NW 1	NW 1	10	10	—	Gloomy and close. ∞
8	·58	·53	59·5	59·0	55·0	66·5	4·9	4·2	·365	·374	71	75	SSE 2	SE 1	4	10	—	Sunny then overcast.
9	·48	·39	56·1	59·0	53·7	61·3	1·9	1·2	·394	·461	87	93	E 1	E 2	10	10	·600	Threatening appearance.
10	·17	·09	60·7	59·5	57·9	66·5	0·8	1·4	·503	·464	95	92	E 0·5	SSW 0·5	10	7	·475	● ^{2} early *a*. and till *2p*.
11	·12	·20	61·6	60·0	56·2	69·6	1·9	1·9	·482	·456	88	89	W 0·5	Calm 0	8	10	·002	● ^{0} showers.
12	·23	·25	58·8	53·1	53·0	67·0	2·3	1·5	·424	·362	86	89	W 2	W 1	10	1	—	
13	·17	·15	55·9	52·0	44·0	62·0	3·2	1·0	·357	·361	80	93	W 1	W 0·5	9	5	·125	● showers.
14	29·16	·09	55·2	53·8	50·0	63·3	3·1	2·5	·349	·345	81	83	WSW 1	SSW 0·5	8	10	·085	⟋ ● at night.
15	28·90	·03	58·6	53·9	53·0	63·1	5·9	3·8	·328	·316	67	76	W 4	WNW 2	5	1	·177	⟋ ●
16	29·05	·22	49·7	53·0	47·0	61·3	1·2	2·1	·325	·345	92	85	WNW 1	SW 1	8	2	·091	● showers.
17	·50	·33	60·8	55·0	48·4	65·1	5·4	2·5	·369	·362	70	84	WSW 1	SW 1	6	1	·010	Fine, clear, and breezy.
18	·29	·28	59·4	55·6	49·0	66·7	3·8	3·4	·391	·348	78	78	SW 1	N 1	4	3	—	
19	·30	·34	54·2	52·5	49·5	64·0	1·7	0·6	·371	·378	89	95	Calm 0	Calm 0	10	1	·025	Overcast. ● showers *4p*.
20	·34	·39	56·7	56·2	48·0	60·6	3·5	2·2	·360	·386	78	86	WNW 2	NW 1	8	10	·002	Dull and overcast.
21	·39	·37	59·7	52·0	50·5	63·1	3·7	0·1	·400	·385	78	99	W 2	W 1	8	1	·258	● *5p*.—*7p*.
22	·46	·38	56·6	56·9	45·0	62·3	4·6	1·3	·331	·424	72	92	NW 2	WSW 4	5	10	·430	Bright and fresh. ● showers after *5p*.
23	·10	·12	53·9	45·6	45·0	59·4	2·4	1·0	·349	·283	85	93	W 3	W 1	5	0	—	Fine, clear, and cold.
24	·05	29·09	54·6	48·4	39·4	60·3	4·5	1·5	·308	·303	73	89	NNW 1	W 1	8	8	·189	Bright day. ● showers.
25	29·03	28·84	53·8	53·0	40·1	58·3	3·6	1·2	·319	·369	76	92	W 1	NW 3	6	10	·136	Stormy and warm.
26	28·80	·74	54·9	48·9	46·8	59·9	4·9	1·5	·303	·308	70	90	NW 4	NW 1	9	5	·170	Squally, with ●.
27	28·78	28·90	55·9	50·4	43·0	60·5	4·9	2·4	·315	·305	70	84	W 2	WNW 2	6	6	—	Bright and fresh.
28	29·15	29·37	55·8	50·0	45·0	62·0	4·1	1·6	·333	·319	75	89	NW 1	NNW 1	4	8	·197	Bright, then ● showers.
29	·37	·42	51·9	43·0	42·0	59·1	3·0	0·6	·308	·266	80	96	NW 1	NW 1	4	5	—	
30	·51	·51	52·1	44·1	34·0	56·9	3·9	1·3	·290	·260	74	89	NNW 2	Calm 0	4	8	·038	⌓ early *a*. Haze on hills.
31	29·62	29·71	51·1	46·0	39·0	60·9	3·1	1·1	·297	·284	79	92	NNE 0·5	Calm 0	2	6	—	⌓. Bright and fresh.
Mean	29·290	29·308	57·1	53·1	47·8	63·8	3·4	1·7	·373	·363	79·4	89·0		1·5		1·1	7·3	5·9	3·752	

CARMARTHEN.—AUGUST 1890.

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	29·60	29·70	56·7	55·7	53·8	64·2	1·5	0·8	·415	·421	90	95	NW 2	Calm 0	10	10	·380	● *a*.
2	29·79	29·95	61·8	53·2	52·3	68·2	2·5	1·8	·467	·356	85	88	W 1	Calm 0	7	0	—	
3	30·00	30·03	64·8	55·7	44·6	68·2	5·0	1·8	·444	·393	73	88	SE 1	Calm 0	5	4	—	
4	·03	30·06	63·8	57·3	54·3	69·7	4·0	1·9	·457	·413	77	87	W 1	Calm 0	8	0	—	
5	30·02	29·98	59·8	55·2	51·8	66·2	1·8	1·8	·456	·382	89	88	Calm 0	Calm 0	10	0	·010	● showers.
6	29·93	·91	61·8	61·8	52·8	69·7	1·0	1·0	·516	·516	94	94	Calm 0	Calm 0	10	10	—	
7	·94	·91	70·9	65·3	59·8	75·1	5·6	2·2	·537	·543	71	87	Calm 0	Calm 0	5	10	—	
8	·92	·81	66·8	60·8	59·8	72·2	6·5	4·0	·434	·407	67	78	SE 2	Calm 0	3	10	—	
9	·81	·59	60·3	58·8	56·3	70·2	3·5	2·4	·415	·421	80	85	E 3	E 1	8	2	·480	
10	·49	·43	61·0	60·8	52·8	68·2	0·5	0·7	·520	·509	97	96	NE 2	SW 1	10	10	·160	Overcast, with ●.
11	·51	·57	63·8	61·8	58·3	68·2	2·5	1·0	·503	·516	86	94	SW 1	W 1	9	10	·010	Overcast, with ●.
12	·68	·65	64·8	55·7	54·8	69·2	2·0	2·3	·541	·377	88	85	NE 2	Calm 0	4	2	·040	● showers.
13	·60	·59	54·7	56·2	49·9	64·2	1·3	2·0	·389	·393	92	87	W 2	SW 1	10	10	·070	● showers.
14	·54	·43	56·7	55·9	49·9	64·2	0·3	0·5	·451	·431	98	97	SW 1	SW 3	10	10	·380	
15	·32	·45	60·8	53·9	52·8	65·2	7·6	1·5	·319	·373	60	90	NW 7	W 1	3	10	·450	
16	·48	·67	55·2	56·2	49·9	62·5	2·8	2·3	·357	·384	82	85	W 2	SW 1	3	5	·100	ϟ ● ^{2} *2a*. ● showers.
17	·70	·71	59·8	53·7	52·8	67·2	3·9	1·5	·396	·370	77	89	NW 1	Calm 0	8	3	·020	
18	·67	·64	65·3	56·2	50·8	68·2	6·0	2·0	·424	·393	69	87	SW 1	W 1	5	0	—	
19	·66	·66	56·7	51·7	49·9	63·2	2·5	1·1	·386	·355	84	92	N 1	Calm 0	10	3	·040	
20	·73	·80	60·6	56·7	44·6	66·2	4·4	0·8	·394	·436	75	95	SW 1	W 1	8	10	—	
21	·82	·80	58·3	54·5	52·8	61·2	1·5	1·6	·439	·378	90	89	SW 1	Calm 0	10	1	·040	● showers.
22	·89	·67	59·0	59·6	47·0	63·2	5·1	2·3	·352	·436	71	86	W 2	W 5	5	10	·390	● ^{2} showers.
23	·54	·57	57·8	46·8	46·0	62·2	4·4	1·1	·353	·294	74	92	W 4	Calm 0	5	0	—	
24	·54	·52	57·8	49·5	39·3	62·7	6·2	1·9	·311	·305	65	87	W 1	Calm 0	3	4	·040	
25	·48	·27	58·8	52·7	46·0	61·2	5·4	2·3	·342	·336	69	85	W 1	SW 2	3	3	·440	
26	·24	·18	51·2	48·8	47·0	60·2	2·8	1·4	·305	·309	81	90	W 3	Calm 0	10	2	·100	
27	·18	·36	53·9	53·7	40·4	59·9	3·0	1·3	·335	·375	80	90	Calm 0	W 1	8	5	·110	● showers.
28	·59	·66	60·0	51·2	49·9	62·7	4·6	2·3	·379	·317	73	84	NW 1	Calm 0	9	1	·070	● showers.
29	·76	·79	57·3	47·0	43·6	62·5	4·7	1·5	·339	·286	72	90	W 1	Calm 0	5	0	—	● showers.
30	29·90	29·86	59·2	50·1	39·3	64·4	4·4	1·9	·371	·313	74	86	Calm 0	Calm 0	1	10	—	Fine day.
31	30·00	30·08	60·3	46·8	44·7	64·4	7·4	1·3	·315	·289	61	91	N 1	Calm 0	5	0	—	Fine day.
Mean	29·689	29·687	60·0	54·9	49·9	65·6	3·7	1·7	·408	·388	78·8	88·9		1·5		0·6	6·8	5·0	3·330	

MARGATE.—AUGUST 1890.

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	29·84	29·76	68·2	63·4	50·4	78·0	4·2	1·4	·529	·531	77	92	SW	1	W	1	0	3	—	Fine day.
2	29·85	29·94	62·3	60·4	52·2	67·0	5·3	1·8	·393	·465	70	90	W	3	SW	1	4	10	·420	● in afternoon.
3	30·06	30·08	61·3	60·0	57·0	67·6	4·0	1·7	·415	·462	77	90	N	1	N	1	2	10	—	Fine day.
4	·11	·15	65·0	59·0	54·7	73·3	4·2	0·9	·470	·470	77	95	SE	1	SE	1	4	0	—	Fine day. ☾ p.
5	·15	·02	68·0	61·2	55·0	72·5	5·1	3·0	·496	·443	73	82	SSE	1	SW	2	9	0	—	Very warm.
6	·00	·03	66·0	61·3	58·0	76·0	3·2	1·7	·522	·483	82	90	NW	1	NE	2	1	2	—	
7	·03	30·05	60·8	58·3	57·8	73·8	2·8	2·8	·443	·403	83	82	SE	3	SSE	3	10	3	—	
8	30·07	29·95	58·7	59·7	57·5	62·8	2·9	2·7	·406	·427	82	84	SSE	4	SE	4	10	10	—	Very dull day.
9	29·86	·86	62·0	62·0	58·0	64·8	2·2	1·0	·480	·520	87	94	E	3	SE	2	9	3	·060	
10	·69	·68	62·5	61·0	56·3	72·8	0·5	0·8	·548	·509	97	95	S	1	S	2	10	5	·590	
11	·65	·69	63·5	61·3	59·0	70·2	2·6	1·3	·494	·496	84	92	SW	4	W	2	10	8	·020	
12	·68	·63	63·9	63·0	56·0	69·0	2·9	2·6	·492	·485	83	84	W	2	W	1	10	8	·030	
13	·67	·67	60·5	54·1	53·6	64·0	5·5	1·6	·364	·373	69	89	W	2	W	2	6	2	·020	
14	·69	·75	61·8	58·4	54·0	67·8	5·3	0·9	·386	·461	·71	95	W	1	SW	2	3	4	—	
15	·59	·75	60·3	57·0	57·0	68·8	1·8	1·8	·464	·412	89	88	SW	4	SW	4	9	0	—	
16	·70	·89	64·9	55·0	55·0	66·5	5·9	1·8	·421	·379	68	88	SW	3	SW	2	8	0	·100	
17	·95	·82	61·5	54·3	54·0	67·8	6·1	2·3	·362	·357	66	84	S	2	SW	1	2	1	·070	
18	·77	·70	59·8	60·2	*53·0*	63·4	3·5	2·9	·407	·428	79	83	S	1	SE	1	8	10	·550	● all day.
19	·68	·79	58·9	57·6	51·0	60·2	2·3	0·7	·425	·454	86	95	NNE	3	NE	1	10	0	·200	☾ before 9a.
20	·82	·89	60·8	57·8	57·2	66·8	2·3	3·8	·457	·369	86	77	NE	1	W	1	8	0	·030	
21	29·95	29·93	62·5	59·0	57·3	65·1	5·2	1·5	·400	·451	71	91	W	2	W	2	4	10	·030	
22	30·00	30·01	58·3	55·8	54·8	66·4	4·6	2·3	·356	·378	73	85	NW	2	W	2	2	0	—	
23	29·65	29·64	61·3	59·5	55·0	66·5	3·5	6·5	·430	·325	79	64	SW	4	E	2	10	3	·320	
24	·65	·59	56·3	48·8	*48·8*	61·9	4·3	1·0	·334	·319	73	93	SW	2	W	1	2	2	·070	
25	·62	·58	54·8	53·5	*48·0*	64·3	0·5	2·5	·415	·342	96	83	W	1	W	2	4	10	·060	
26	·48	·39	57·0	52·0	47·0	62·7	5·2	3·5	·323	·298	69	77	W	3	W	2	8	10	·450	
27	·41	·47	56·0	52·1	50·5	60·0	2·2	1·8	·384	·342	86	87	W	2	W	2	6	10	·050	
28	·68	·80	57·5	53·4	49·0	63·4	3·9	0·7	·361	·388	77	95	W	2	Calm	0	3	0	·520	Fine day.
29	·83	29·89	54·5	53·1	48·8	61·0	1·7	·21	·375	·346	89	85	NW	2	W	1	9	10	·120	
30	29·92	30·01	55·0	52·3	47·0	58·6	4·8	4·3	·306	·284	71	72	NW	2	NW	3	0	2	·100	● 2.30p.—3.15p.
31	30·04	30·25	53·5	53·8	47·8	58·0	3·5	4·8	·317	·292	77	70	NW	2	NW	2	2	0	—	Fine day.
Mean	29·810	29·827	60·6	57·4	53·6	66·5	3·6	2·2	·419	·409	78·9	86·2		2·1		1·8	5·9	4·4	3·810	

SOUTHAMPTON.—AUGUST 1890.

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	29·80	29·79	64·7	59·0	59·0	70·5	1·8	2·8	·546	·413	89	83	SW	2·5	WNW	1	10	1	—	Fine and very pleasant.
2	29·89	30·01	64·4	58·1	51·9	71·0	4·9	1·1	·441	·449	73	92	NW	2	WSW	0·5	9	10	·042	Beautiful day till 5p. ☾ ● p.
3	30·10	·12	61·7	60·9	52·2	75·9	2·4	2·4	·470	·456	86	86	NE	0·5	W	1	5	8	—	Beautifully fine and warm. ☌ 0.
4	·16	·17	62·4	61·9	56·9	75·0	3·4	2·1	·451	·483	80	88	NE	1	SW	1	10	0	—	Beautifully fine and warm.
5	·14	·06	69·6	62·9	52·7	77·2	5·2	3·1	·526	·469	73	82	SW	1	NW	2	1	0	—	Very warm all day.
6	·04	·03	69·6	63·9	51·9	79·1	7·0	2·3	·467	·513	64	87	NE	1	SW	0·5	5	0	—	Very warm all day.
7	·07	30·05	69·1	62·7	56·9	74·4	5·5	3·6	·504	·450	71	79	SE	1·5	ESE	2	8	0	—	Beautiful and very warm.
8	30·04	29·97	64·1	59·4	53·7	66·4	6·2	2·4	·399	·431	67	86	E	3	NE	2–5	5	10	—	Fine and very pleasant.
9	29·92	·82	61·9	61·1	56·3	67·5	2·9	1·6	·457	·486	83	90	E	3	NE	1	10	1	1·233	< in evening.
10	·66	·67	63·8	61·4	60·7	71·2	0·8	1·3	·563	·500	95	93	SE	4	SW	3	10	9	·188	☾ ● 2a. ● till 10a., then fine.
11	·67	·74	61·2	60·9	59·8	69·9	0·7	1·1	·517	·497	96	94	SW	2	SW	2	10	5	·038	● n. and a. ● showers 4p. [● 5p.
12	·73	·73	63·9	59·8	59·7	73·5	2·6	2·0	·503	·451	85	88	WNW	1	WNW	2·5	10	1	·015	Dull and close a. Very pleasant p.
13	·71	·69	64·9	58·7	54·6	70·5	8·3	2·8	·358	·409	57	82	NW	1·5	WNW	1·5	2	9	—	Beautiful day. [☌ 0 n.
14	·73	·71	64·5	58·1	52·7	66·1	6·6	1·5	·395	·438	65	90	WSW	3	SW	3	9	10	·200	Beautiful a. ● showers p. [breeze.
15	·56	·68	65·5	59·1	56·1	68·9	4·0	2·4	·487	·426	78	85	SW	4	SW	3	9	0	·224	● a. Beautiful day, with fresh
16	·68	·87	58·1	55·8	55·4	67·9	3·2	2·1	·389	·387	80	86	WSW	4	SW	1	5	0	—	● shower 7a., then very fine.
17	·89	·85	65·1	56·9	51·1	68·8	7·2	1·4	·388	·421	63	92	SW	3	SW	1	4	0	—	Beautiful day throughout.
18	·78	·70	67·1	60·7	53·8	74·8	6·1	2·9	·452	·438	68	83	NE	1	ENE	1	1	0	·252	Beautiful day throughout. ☌ n.
19	·73	·75	56·5	55·8	54·9	62·2	0·6	0·3	·439	·437	96	98	NNE	1	NNW	1	10	10	·520	● 7a.—3p. and 4p.—9p.
20	·82	·96	62·2	58·7	54·9	69·9	3·1	2·9	·456	·406	82	82	NW	2	W	1	2	10	—	Beautiful day.
21	29·98	·94	62·9	59·9	55·7	67·1	3·4	1·8	·460	·457	80	90	SW	1·5	SW	3	10	10	—	Fine and pleasant a.
22	30·06	·96	62·5	58·7	51·5	67·7	6·1	3·1	·377	·401	67	81	NW	2	SW	3	7	10	·018	Beautiful day.
23	29·66	·71	60·7	53·1	53·1	70·1	1·5	2·7	·481	·331	91	81	SW	3·5	W	1	10	0	·028	● a. Beautiful day. ☌ n.
24	·64	·62	62·4	51·0	47·6	66·9	6·3	1·9	·371	·326	66	87	W	1	WNW	1	2	0	·027	T 1p. ● showers 3p. and 4p. < ☌
25	·62	·47	62·1	55·1	45·9	66·6	6·2	1·0	·369	·405	67	93	NW	1·5	SW	3·5	5	10	·200	Beautiful a. ● showers p. [n.
26	·46	·39	59·1	53·5	48·9	62·2	4·8	0·6	·361	·378	72	95	SW	3·5	SW	1·5	10	10	·608	● showers. ☾ 6p.
27	·35	·50	56·8	51·4	50·9	65·6	2·7	1·5	·383	·341	83	90	WNW	1·5	WSW	2·5	9	3	·026	Fine a. ● showers in afternoon. ☈
28	·67	·80	64·2	54·6	51·0	71·6	5·5	1·7	·421	·378	70	89	NW	1·5	NW	1	4	10	·015	Beautiful day till 3p. ● 3p.—4p. [3p.
29	·90	29·91	58·8	50·0	50·0	67·9	4·9	3·0	·355	·309	72	86	NNW	2·5	NNW	1	4	1	—	Beautiful day throughout. ☌ n.
30	29·98	30·04	56·4	49·5	41·8	64·3	4·5	1·8	·333	·309	73	88	NNE	1	NW	1	0	7	—	☌ a. and p. Beautiful day.
31	30·10	30·21	56·6	48·3	43·7	63·0	4·4	1·7	·337	·296	73	88	NE	1	N	1	0	0	—	Beautiful day but cool.
Mean	29·824	29·836	62·7	57·4	53·1	69·5	4·3	2·0	·434	·416	76·3	87·5		2·0		1·6	6·3	4·7	3·634	

BABBACOMBE.—AUGUST 1890.

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	29·54	29·60	59·6	55·4	55·4	65·3	0·0	1·6	·511	·393	100	90	SSW	3	WSW	2	10	0	·040	Scotch ≈ till 9a. Dull till 2p. ☌ p.
2	·68	·82	64·0	55·7	50·1	70·1	4·5	2·7	·444	·367	75	83	ENE	1	NW	2	3	0	—	Fine and sunny. ☌ 0 p.
3	·89	·91	65·0	59·1	52·5	70·4	5·6	2·4	·430	·427	70	85	ENE	2	N	1	2	9	—	☌ in past n.
4	·94	·95	66·0	58·0	51·2	73·1	6·4	2·0	·424	·421	66	87	W	1	NNW	2	7	1	—	☌ p.
5	·92	·86	65·7	58·7	51·2	70·2	6·5	3·7	·416	·384	66	77	W	2	NNW	2	3	8	—	☌ in past n.
6	·83	·82	63·8	59·9	53·4	69·7	3·0	1·2	·487	·475	83	93	NW	1	NW	2	10	0	—	Dull till 3p. ☌ p.
7	·82	·80	63·1	56·9	56·7	66·9	2·0	0·9	·507	·436	88	94	NE	2	NE	1	10	0	—	☌ n. ≈ (mist) 2p.—4p. ☌ 2 p.
8	·79	·71	60·3	59·5	56·7	64·4	3·4	1·8	·416	·451	80	89	ENE	3	ENE	3	1	10	—	☌ n. ≈ (mist) p.
9	·66	·55	59·5	61·0	56·6	66·1	2·5	1·2	·430	·496	85	93	E	4	NE	3	9	10	1·070	⊕ 6p. ☈ 9p.—11p. ● 2 11p. ≈ 0
10	·39	·37	62·8	59·7	59·4	65·4	0·8	1·0	·543	·479	95	94	SSW	3	SSW	4	10	9	·050	≈ 4a.–5a. ● 2 5a. Gloomy 5p.–9p.
11	·45	·53	62·6	59·8	57·9	66·4	1·8	0·7	·505	·491	89	96	WSW	3	SW	3	9	10	·070	Dull and gloomy. ● showers. ≈ 0
12	·56	·56	65·7	57·6	57·4	69·6	4·3	1·8	·480	·421	76	88	NW	2	WSW	2	8	3	·020	● early a. ☌ p. [(mist) p.
13	·53	·52	61·6	54·8	49·5	64·9	6·6	2·0	·352	·373	64	88	NW	3	W	2	2	3	·060	☌ n. and p. ● showers till 9p.
14	·51	·46	57·8	56·7	51·2	65·5	2·7	2·3	·399	·393	83	85	WSW	3	SW	3	10	10	·200	● showers. Great gloom 7p.—8p.
15	·35	·43	63·3	56·0	54·5	67·1	4·5	1·3	·433	·410	74	91	WSW	5	SW	4	4	3	·090	● n. ● 2 shower 10p.
16	·45	·65	60·0	53·1	53·1	65·3	6·3	1·0	·336	·352	65	86	WSW	5	SW	2	3	1	—	● 2 3a. Squally a. Fine and sunny.
17	·65	·61	62·9	57·0	52·4	68·7	5·2	2·1	·407	·403	71	86	SW	3	WSW	2	4	10	—	☌ in past n. [☌ p.
18	·56	·47	63·9	61·1	51·0	68·4	5·2	6·1	·424	·357	71	66	ENE	1	N	4	2	10	·130	☌ n. Squally p.
19	·50	·59	58·0	55·7	55·4	65·8	2·0	0·9	·421	·418	87	95	NE	2	NW	1	9	9	·140	≈ (mist). Gloomy p. ▲ 0 ● 2 5p.
20	·64	·74	63·9	56·0	53·4	68·1	6·6	2·2	·385	·384	65	86	NW	2	WSW	2	1	3	—	Clear 1p.–6p. ☌ p.
21	·76	·73	59·6	58·2	56·0	65·4	2·4	1·5	·434	·439	85	90	WSW	3	WSW	4	10	10	·010	Dull and gloomy.
22	·84	·72	61·0	58·6	48·4	66·4	4·6	2·0	·394	·430	74	88	WSW	3	SW	5	8	10	·100	☌ in past n. [☌ p.
23	·45	·52	61·4	50·7	50·7	65·6	1·6	2·0	·489	·318	91	87	W	3	W	2	9	0	—	Squally ◢ (gale) 3a.—4a. ⊕ 6 6p.
24	·42	·44	60·8	49·0	47·2	64·5	6·9	1·8	·334	·303	63	87	NNE	1	WSW	1	4	2	·120	☌ n. and p. < 9p.
25	·42	·22	61·1	53·5	45·4	64·3	6·4	1·4	·349	·370	66	90	W	2	W	3	3	1	·130	☌ n. and p. ● showers, Dull p.
26	·24	·16	56·8	52·0	50·0	62·0	3·0	0·4	·374	·377	81	97	WSW	5	SW	4	7	10	·500	● 2 a. and p. Squally ◢ (gale) 3p.–4p.
27	·12	·31	59·7	52·9	49·5	63·4	4·4	2·0	·379	·346	74	87	SW	3	SW	4	3	3	·360	● 2 p. ▲ 3p. ● 2 (·22 in.) 3.13p.—
28	·49	·63	61·4	53·6	49·2	66·4	5·5	1·9	·375	·358	70	87	WNW	2	NW	2	2	4	—	[3.22p.
29	·70	·70	58·9	47·9	47·9	62·0	5·3	2·1	·346	·283	69	86	NNW	2	NNW	1	6	1	—	☌ n. Clear noon—6p. ☌ 2 ≈ 0 (mist)
30	·76	·82	57·4	52·7	44·5	62·6	5·4	2·7	·323	·327	68	82	ENE	2	NNW	2	1	7	—	n. Fine and sunny. ☌ ≈ 0 (mist)
31	29·88	29·98	59·7	51·3	48·4	62·6	6·0	3·2	·340	·297	67	79	NE	2	NNE	1	1	1	—	☌ n. and p. Fine day. ☈ 0. [p.
Mean	29·604	29·618	61·5	55·9	52·1	66·3	4·2	2·0	·416	·393	76·2	87·5		2·5		2·5	5·5	5·1	3·090	

LONDONDERRY.—AUGUST 1890.

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	29·70	29·82	58·3	56·9	51·6	68·4	2·3	2·2	·417	·398	85	86	SW	2	NW	1	8	8	·010	● showers during day.
2	29·96	30·05	58·8	54·7	53·4	65·0	3·8	2·0	·383	·372	77	87	NW	2	S	1	8	2	—	Fine day.
3	30·00	29·96	59·2	60·7	50·5	70·1	3·3	1·0	·402	·497	80	94	SSW	3	SW	3	5	10	·030	● 2.30p.—5p.
4	29·95	30·00	64·0	62·2	59·8	71·0	2·2	0·6	·518	·539	87	97	SW	3	SW	2	10	10	·020	● showers during day.
5	29·97	·02	62·9	57·3	56·2	71·0	2·2	1·4	·498	·427	87	90	S	2	NW	1	6	10	·030	
6	30·06	·10	57·8	52·7	51·4	69·2	3·8	1·6	·369	·354	77	89	WNW	2	Calm	0	10	0	—	Fine day.
7	·08	·08	65·4	56·8	45·4	71·8	6·3	2·1	·416	·400	67	86	NE	1	N	1	5	2	—	Fine day.
8	·06	30·03	66·7	60·7	49·0	75·7	6·0	2·6	·448	·446	69	85	N	1	Calm	0	0	10	—	Fine day. ≈ 0 (mist) p.
9	30·04	29·93	63·3	58·7	53·7	72·1	5·0	2·8	·420	·409	72	82	ENE	2	NE	1	5	10	—	
10	29·76	·61	61·7	59·9	56·0	66·8	3·1	1·8	·450	·457	82	90	NE	2	Calm	0	10	10	·020	
11	·65	·74	63·7	56·3	55·2	73·0	5·6	2·4	·409	·384	69	84	N	1	NW	1	8	0	·060	
12	·76	·77	58·4	53·7	51·0	60·5	2·2	2·3	·421	·349	86	85	SW	2	SW	2	10	10	·550	● showers.
13	·74	·66	57·2	52·7	51·0	62·8	1·7	1·8	·418	·349	89	88	SW	2	SW	2	10	10	·070	
14	·58	·32	59·5	52·7	50·0	61·5	5·1	0·8	·359	·375	70	94	SW	2	SW	2	8	10	1·360	● in evening and at night.
15	·08	·35	51·2	49·1	48·0	59·5	0·8	1·4	·355	·314	95	90	SW	2	SW	2	10	10	·140	● showers.
16	·43	·52	54·5	53·7	44·0	61·7	4·3	1·0	·311	·384	73	93	SW	3	SW	2	9	10	·100	● at night.
17	·64	·76	58·7	52·7	51·0	62·0	3·5	1·5	·390	·356	78	89	SW	2	SW	2	9	6	·020	● at night.
18	·80	·88	58·4	50·4	49·0	62·7	3·8	1·7	·378	·323	77	89	SW	2	SW	2	10	10	·110	
19	·86	·81	55·7	54·2	48·0	62·0	3·3	3·3	·353	·330	79	78	NW	2	N	2	10	10	·040	
20	·75	·81	57·7	56·2	52·0	62·0	2·9	1·3	·392	·413	82	91	N	3	NW	2	10	10	·100	
21	·72	·80	57·2	50·7	49·0	60·5	0·6	1·5	·450	·331	96	89	SW	2	SW	2	10	0	·080	Fine day.
22	·80	·62	57·9	50·7	48·0	61·0	0·7	0·5	·458	·358	95	96	SW	4	SW	2	10	10	·660	● 2 from 6p.
23	·59	·62	50·9	48·0	47·1	57·6	1·4	1·1	·338	·307	91	92	SE	2	NW	1	10	1	·150	● 2 showers.
24	·61	·60	51·2	50·7	45·0	55·5	1·3	1·0	·343	·345	91	93	N	2	N	2	10	8	·560	
25	·45	·23	54·2	48·0	47·0	55·1	2·4	1·2	·353	·304	84	92	SE	3	SW	1	10	0	·370	
26	·13	·05	50·7	45·9	45·0	60·6	2·0	0·7	·320	·292	87	95	SW	2	SW	2	10	0	·580	● showers.
27	·17	·53	52·7	52·7	41·5	61·0	1·0	1·4	·370	·359	93	90	N	2	N	2	10	10	·330	
28	·79	29·89	53·2	47·3	46·1	58·2	3·7	1·5	·309	·289	76	90	N	2	SW	2	6	0	·150	Fine day. ● in evening.
29	29·88	30·00	52·2	49·9	44·0	61·0	1·6	1·9	·348	·310	89	87	SW	2	SW	2	10	2	—	Fine day.
30	30·08	·12	52·7	47·7	44·0	56·7	0·5	2·3	·384	·276	96	84	NW	2	N	2	6	7	—	
31	30·17	30·14	52·4	52·7	47·0	63·0	3·7	3·0	·299	·320	76	80	SW	2	SW	2	10	10	·250	● at night.
Mean	29·750	29·771	57·4	53·4	49·4	63·8	2·9	1·7	·390	·367	82·4	88·9		2·1		1·6	8·5	6·6	5·770	

ARMAGH.—AUGUST 1890.

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	29·59	29·68	58·5	55·2	51·4	66·2	2·8	0·3	·406	·428	82	98	SW 0·5	W 0·5	10	4	·165	℞ 4.15p.
2	·81	·93	58·4	53·6	48·0	63·7	3·2	1·7	·304	·363	80	88	NW 0·5	NW 0·5	10	2	—	
3	·91	·88	59·9	61·1	48·5	67·5	4·2	3·9	·389	·415	75	77	SW 1	SW 2	10	10	—	
4	·89	·92	61·7	63·5	58·2	68·4	2·5	1·9	·467	·519	85	89	SW 1	SW 1	10	7	—	
5	·88	·88	64·6	58·7	58·3	68·9	6·4	0·9	·402	·465	66	95	SW 1	Calm 0	10	10	·007	
6	·93	·97	61·9	53·9	48·8	65·3	6·7	2·1	·353	·357	63	87	NW 0·5	E 0·5	9	10	—	
7	·95	·95	64·5	56·6	47·3	69·5	7·6	3·9	·369	·350	61	76	E 0·5	S 0·5	3	0	—	
8	·92	·91	61·7	58·5	45·0	69·8	2·6	2·7	·463	·408	85	83	NEbyE 0·5	E 0·5	10	10	—	
9	·90	·79	58·2	58·5	49·0	61·8	3·1	2·7	·393	·408	81	83	E by S 0·5	ENE 0·5	10	10	—	Overcast all day.
10	·59	·44	61·9	57·5	50·2	63·2	3·0	0·4	·456	·461	82	97	E 1	NE 1	10	10	·790	Overcast all day.
11	·50	·60	57·3	56·2	55·2	62·2	0·2	1·9	·464	·396	99	88	NE 0·5	NE 0·5	10	10	·010	Overcast all day.
12	·63	·64	63·2	50·2	46·9	64·2	4·7	1·5	·427	·325	74	90	NW 0·5	NW 0·5	8	9	·230	
13	·60	·55	57·8	51·9	48·7	67·1	2·1	2·0	·415	·334	86	87	NW 0·5	NW 0·5	9	10	·100	
14	29·46	·26	57·2	52·6	49·2	59·4	2·8	0·7	·386	·377	82	95	W 1	SSW 1	4	10	·510	
15	28·99	·26	52·9	48·9	48·0	61·2	2·0	1·8	·346	·302	87	88	WSW 3	SW 1	10	0	·095	
16	29·34	·44	56·1	55·2	42·8	63·5	3·7	1·0	·349	·407	76	93	SW 2	SW 1	7	10	·030	
17	·54	·64	57·6	54·1	52·6	64·9	1·7	1·7	·424	·370	88	88	SW 2	Calm 0	10	10	·130	
18	·67	·72	55·5	49·5	42·9	63·5	2·7	0·6	·365	·338	83	95	Calm 0	Calm 0	5	2	·090	
19	·72	·69	54·8	52·2	42·4	61·9	1·9	1·7	·376	·345	88	89	NNW 0·5	W 0·5	8	10	—	
20	·63	·70	56·5	56·2	47·7	65·0	1·2	0·6	·421	·434	92	96	SW 1	SW 1	10	10	·030	
21	·64	·70	58·2	49·6	48·8	62·4	1·4	0·9	·442	·332	91	94	SW 3	WSW 1	10	0	·135	
22	·71	·47	55·2	49·6	47·3	58·9	1·6	0·0	·390	·356	50	100	SW 3	SSW 0·5	9	10	·310	
23	·46	·50	55·1	46·1	45·7	59·5	3·5	0·3	·338	·305	78	98	W 1	WSW 1	8	1	·110	
24	·50	·48	54·7	49·2	43·0	58·8	2·8	0·6	·351	·335	81	96	WNW 1	W 1	8	10	·110	
25	·34	·13	53·6	48·3	45·4	55·5	1·4	0·6	·372	·324	90	96	SW 1	WSW 1	10	2	·035	
26	·03	·06	52·8	49·2	45·3	58·5	1·5	1·6	·358	·287	89	89	SW 2	WSW 1	1	10	·050	
27	·08	·36	48·3	52·6	41·6	60·8	0·6	1·5	·324	·356	96	90	SW 2	NW 1	10	10	·245	
28	·63	·77	55·5	45·4	44·8	59·3	2·9	1·1	·360	·278	82	92	NNW 1	NW 0·5	8	0	—	
29	·76	·84	55·1	45·0	41·8	60·8	4·2	0·4	·322	·289	74	97	W 1	Calm 0	0	0	—	
30	29·03	29·96	56·5	44·7	38·7	59·5	4·4	0·9	·336	·275	73	93	NNE 0·5	Calm 0	8	10	—	
31	30·04	30·04	55·9	52·1	38·3	60·1	4·7	2·3	·323	·329	71	84	Calm 0	NW 1	5	10	·195	
Mean	29·631	29·651	57·5	52·7	47·2	62·9	3·0	1·4	·386	·363	81·6	90·7		1·1		0·7	8·1	7·0	3·377	

MARKREE CASTLE (SLIGO).—AUGUST 1890.

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	29·63	29·77	60·9	54·2	50·3	66·0	3·6	1·5	·420	·378	79	90	Calm 0	N 0·5	7	9	·010	
2	·91	30·00	57·7	50·9	50·2	62·3	2·6	1·0	·400	·348	84	93	WNW 2	Calm 0	10	7	—	
3	·97	29·93	59·4	59·8	42·5	71·8	2·2	0·8	·437	·488	87	95	S 1	SSE 1	10	10	·010	
4	·94	·97	62·7	61·4	59·0	69·8	1·6	1·2	·514	·504	91	93	SSE 1	SSW 2	10	10	—	Overcast all day.
5	29·88	29·96	63·5	55·0	54·2	64·2	3·1	1·4	·480	·392	81	91	SSW 2	Calm 0	10	10	·070	Overcast all day.
6	30·00	30·00	59·0	50·5	44·0	64·7	2·8	1·0	·413	·342	83	93	Calm 0	Calm 0	10	4	—	
7	30·00	29·98	58·9	57·8	41·2	72·0	2·2	2·1	·429	·415	86	86	SSE 1	Calm 0	10	4	—	
8	29·96	·92	66·9	62·9	47·9	73·1	5·6	2·6	·464	·485	70	85	SE 0·5	ESE 0·5	9	10	—	
9	·93	·82	63·4	56·8	49·0	63·7	5·0	3·3	·422	·367	72	79	SE 1	E 1	9	9	—	
10	·64	·50	59·7	59·8	56·0	62·3	1·9	1·1	·452	·479	89	93	E 1	E 0·5	10	10	·140	Overcast all day.
11	·56	·71	58·5	54·2	53·1	68·0	1·6	1·3	·441	·383	89	91	NNE 1	NNW 1	10	7	·060	
12	·76	·76	58·1	53·1	51·8	59·7	3·0	3·2	·395	·319	81	78	NNW 2	NNW 2	10	9	·520	
13	·73	·62	54·9	51·5	50·5	59·1	2·4	1·0	·364	·352	85	93	NW 2	SSE 0·5	10	10	·210	
14	·56	·27	57·9	53·5	50·1	59·2	4·4	0·4	·356	·399	74	97	NNW 1	SSE 1	9	10	·970	
15	·14	·31	56·2	47·2	46·5	60·8	4·2	1·2	·337	·295	74	92	WNW 3	SSW 0·5	8	7	·080	● 2 in past n.
16	·43	·52	58·4	52·5	36·7	64·5	4·3	1·1	·365	·365	75	92	SSW 2	SW 0·5	7	8	·070	
17	·63	·71	56·8	50·3	49·7	60·9	1·1	1·0	·429	·339	93	93	NW 0·5	Calm 0	10	3	·030	
18	·74	·80	57·1	52·3	44·6	61·7	3·7	1·3	·360	·357	77	91	NNW 0·5	Calm 0	8	10	—	
19	·81	·76	57·5	51·0	38·8	61·1	4·8	1·4	·339	·338	72	90	NW 1	Calm 0	7	10	·030	
20	·73	·79	56·0	56·3	50·2	60·3	0·9	1·2	·422	·418	94	92	W 0·5	SSW 0·5	10	10	·090	Overcast all day.
21	·71	·80	57·7	50·7	49·5	60·0	0·6	2·4	·458	·310	96	84	Calm 0	NW 3	10	10	·090	
22	·80	·55	54·3	50·3	47·0	57·9	3·4	0·3	·330	·357	78	98	NNE 1	SW 0·5	10	10	·620	Overcast all day.
23	·57	·59	53·4	49·0	44·9	57·8	3·5	1·0	·316	·322	77	93	NNW 2	Calm 0	9	10	·300	Overcast all day.
24	·62	·59	53·9	51·5	43·0	58·0	3·1	1·5	·331	·341	80	89	NNW 3	WSW 1	8	10	·170	Overcast all day.
25	·37	·23	53·2	48·1	46·4	56·6	3·0	1·3	·325	·303	80	91	SE 1	SSW 1	10	9	·300	
26	·10	·13	54·7	47·0	44·3	59·3	4·6	0·5	·306	·311	72	97	WSW 1	NNW 0·5	8	10	·590	
27	·21	·51	52·1	53·1	36·3	57·1	0·8	2·8	·368	·329	94	81	WNW 1	NNW 3	10	8	·130	
28	·77	·88	53·3	48·3	47·8	57·2	4·9	1·5	·283	·301	69	90	N 3	Calm 0	7	7	·150	
29	29·84	29·94	55·6	46·7	43·3	60·4	4·7	1·2	·319	·291	72	92	NW 1	Calm 0	7	3	—	
30	30·02	30·05	56·3	48·7	33·6	59·7	4·9	2·2	·322	·258	70	85	Calm 0	Calm 0	7	2	—	
31	30·11	30·07	55·8	53·1	32·2	62·0	4·9	3·5	·317	·312	71	77	S 0·5	SSE 1	5	10	·400	
Mean	29·711	29·724	57·5	52·7	46·3	62·3	3·2	1·5	·384	·361	80·5	89·8		1·2		0·7	8·9	8·3	5·040	

DUBLIN (PHŒNIX PARK).—AUGUST 1890.

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	29·65	29·70	57·5	56·4	47·7	62·5	1·1	1·6	·439	·407	93	90	Calm 0	Calm 0	10	8	·130	Dull, with ● till 3p.
2	29·87	·99	59·4	53·9	46·9	64·0	4·4	1·5	·376	·373	74	90	W 1	Calm 0	8	2	—	
3	30·00	29·99	60·2	62·7	44·6	66·1	4·6	3·0	·383	·469	73	82	WSW 1	Calm 0	5	8	—	Bright a. Cloudy p.
4	29·99	30·02	67·3	64·5	55·1	74·0	6·0	3·0	·458	·502	69	83	SW 1	Calm 0	2	6	—	Beautiful day.
5	·99	29·93	64·1	62·9	56·1	71·0	4·8	1·7	·439	·514	74	90	SW 1	Calm 0	7	10	·210	Cloudy till 4p, then ● 0 showers.
6	29·98	·99	57·7	54·2	49·7	63·5	1·3	1·8	·437	·369	92	88	Calm 0	Calm 0	10	2	·040	Dull, with ● 0 a. Bright p.
7	30·00	·99	62·9	53·8	50·9	66·6	6·4	1·8	·376	·363	66	87	ESE 1	Calm 0	4	0	—	Beautiful day.
8	29·97	·94	64·9	55·4	50·7	69·6	2·8	0·8	·515	·416	84	95	E 1	Calm 0	7	1	—	
9	·92	·80	57·3	58·5	51·1	61·5	2·5	2·5	·396	·414	84	84	E 1	ENE 1	10	8	·005	Dull a. Cloudy p.
10	·60	·45	58·7	59·4	51·3	59·8	1·6	1·2	·443	·468	90	93	ENE 1	Calm 0	10	10	·315	Dull, with ● 2 till 5.30p.
11	·52	·64	62·7	59·0	52·6	64·0	2·4	2·3	·488	·427	86	86	Calm 0	Calm 0	9	5	—	Dull and cloudy.
12	·72	·73	60·5	50·8	48·5	66·1	2·8	2·8	·437	·301	83	81	W 1	W 1	7	4	·100	● 2 shower a. Cloudy day.
13	·67	·64	57·2	52·8	47·3	64·0	2·8	2·6	·386	·330	82	82	NW 1	W 1	9	8	·025	Cloudy, with ● 0 showers.
14	·56	·35	58·5	54·2	49·9	61·4	3·6	1·3	·383	·383	78	91	W 1	SW 1	4	9	·090	Cloudy a. Dull p.
15	·17	·37	58·3	49·8	48·7	61·6	4·9	2·4	·348	·298	71	84	WSW 4	Calm 0	6	1	·005	◢ ● 2 from 1a. Bright and squally.
16	·46	·54	56·4	55·3	42·5	64·5	4·5	2·7	·333	·362	73	83	SW 2	SW 1	3	4	—	Beautiful day. ⌒ p.
17	·66	·69	58·5	53·8	51·1	65·8	3·5	1·0	·386	·386	78	93	SW 1	Calm 0	7	2	·120	Cloudy day. ● 0 showers p.
18	·71	·73	59·1	48·0	46·6	64·3	4·7	1·5	·363	·297	72	90	Calm 0	Calm 0	4	1	—	Beautiful day.
19	·78	·78	56·1	50·9	42·1	62·2	4·5	2·3	·330	·315	72	85	NW 1	Calm 0	2	6	—	Bright a. Cloudy p.
20	·72	·77	54·8	58·1	46·9	65·3	1·8	3·1	·378	·392	88	80	WSW 1	W 1	9	8	·015	
21	·75	·80	58·7	51·4	50·3	62·2	1·8	3·0	·438	·305	88	80	WSW 2	WSW 1	10	1	·030	Cloudy with ● 0 showers.
22	·83	·43	57·1	59·5	48·1	60·3	4·5	1·8	·340	·451	73	89	W 2	SW 2	8	10	·940	Cloudy with ● 2 showers.
23	·57	·57	53·3	47·1	46·1	60·5	3·3	1·4	·318	·290	78	90	W 1	Calm 0	6	2	·050	Cloudy with ● 2 showers.
24	·56	·57	55·8	49·6	42·7	59·8	4·2	1·4	·333	·319	75	90	NW 1	W 1	5	6	·055	Cloudy day. ⌒ ● 2 showers p.
25	·44	·24	54·4	49·4	45·7	58·0	4·2	2·9	·312	·283	73	81	SW 1	WSW 1	7	2	·270	Cloudy a. ● 2 p.
26	·13	·14	53·3	47·6	46·6	58·0	4·3	2·1	·296	·280	72	86	SW 2	Calm 0	4	1	·180	● 2 5a.–6a. Cloudy day. ● 2 p.
27	·20	·40	52·6	53·4	43·2	59·0	3·2	3·0	·313	·327	78	80	WSW 1	WNW 1	4	2	·320	Cloudy with ● 2 showers.
28	·69	·84	53·3	46·3	45·6	58·8	2·2	1·8	·346	·272	85	88	NW 1	Calm 0	10	2	·060	Dull a. Cloudy with ● 0 showers p.
29	·85	29·87	52·6	44·0	41·7	62·5	3·6	0·6	·303	·274	76	95	W 1	Calm 0	2	1	·075	Bright day. ● 2 showers 11a. and 5p.
30	29·99	30·01	53·2	48·8	39·1	59·6	3·2	2·4	·320	·288	79	83	Calm 0	Calm 0	2	8	—	Bright a. Cloudy p.
31	30·09	30·11	53·0	45·7	37·7	60·6	5·2	1·2	·273	·280	68	92	N 1	Calm 0	1	7	—	Beautiful day.
Mean	29·710	29·710	57·7	53·5	47·3	63·1	3·6	2·0	·377	·360	78·3	86·8		1·1		0·4	6·2	4·7	3·035	

PARSONSTOWN (BIRR CASTLE).—AUGUST 1890.

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

1	29·61	29·72	59·8	57·8	52·2	66·9	1·6	0·8	·462	·454	90	94	Calm 0	Calm 0	7	8	·024	Fine and bright. T 4p.
2	·87	·97	58·6	54·7	48·8	64·3	0·8	0·1	·467	·425	96	99	NNW 1	Calm 0	10	0	—	∞ a. Dull and gloomy. Fine evening.
3	·99	·96	60·0	62·3	46·2	68·9	0·2	0·4	·511	·548	99	97	SW 1	Calm 0	9	9	—	∞ a. and p. Bright and close day.
4	·98	·99	65·6	63·7	55·6	72·0	0·7	0·5	·603	·572	95	97	SW 1	Calm 0	9	9	—	≋0 (mist). Bright, close, and sultry.
5	·94	·92	64·9	61·4	58·0	69·1	0·4	0·7	·601	·521	98	96	SW 1	SW 1	8	10	·065	Dull a. and p. Day bright and warm.
6	·97	·95	59·8	58·3	52·1	69·1	0·9	0·4	·486	·474	94	97	Calm 0	Calm 0	4	4	—	∞ a. Fine and very close. [● 0 p.
7	·96	·93	64·8	60·6	54·4	73·1	1·0	0·4	·576	·516	94	97	SSE 1	Calm 0	8	3	—	Fine and close. ∞ p.
8	·91	·88	64·9	60·9	46·6	73·5	1·1	1·7	·575	·478	94	90	Calm 0	Calm 0	6	4	—	≋ a. Day bright, with ∞.
9	·86	·73	59·8	56·7	49·0	64·3	0·5	2·4	·498	·389	97	85	ESE 1	Calm 0	10	0	·071	Dull and mild, with ∞.
10	·54	·43	58·1	60·8	54·0	62·5	1·2	1·1	·447	·496	91	93	E 1	Calm 0	10	9	·610	∞ a. and p. Day dull and close, with
11	·50	·65	59·7	56·4	56·1	65·4	1·6	2·3	·460	·388	91	86	Calm 0	Calm 0	10	2	—	Close, with ∞. [●.
12	·73	·76	61·5	49·5	46·6	63·1	4·3	2·6	·410	·290	75	82	NW 2	WNW 2	6	3	·061	Bright and windy. ●
13	·71	·63	56·0	53·1	46·6	61·7	3·9	3·1	·343	·321	76	79	NW 3	Calm 0	10	10	·022	Dull and cold. ≋0 (mist) p.
14	·56	·30	58·6	54·5	50·8	60·3	4·3	1·4	·367	·384	75	91	Calm 0	S 1	8	10	·132	● n. Bright a. Day dull.
15	·21	·33	57·9	48·9	48·2	60·4	1·0	2·4	·450	·289	94	84	SW 3	Calm 0	7	4	·126	● n. and a. Bright and squally.
16	·45	·54	57·1	54·7	42·7	62·6	5·1	2·4	·326	·360	70	84	WSW 1	SW 2	5	2	—	Bright and windy.
17	·63	·66	59·6	53·6	49·2	64·5	2·3	1·5	·391	·369	85	90	SW 1	Calm 0	8	7	·030	Dull a. Bright and windy. ●
18	·70	·71	55·3	53·5	51·5	64·0	3·4	3·2	·345	·324	78	79	Calm 0	Calm 0	10	0	—	∞ a. Dull day.
19	·76	·76	55·3	53·3	46·8	62·0	4·3	3·0	·323	·326	73	80	Calm 0	Calm 0	5	0	—	Bright, calm, and mild. ≋0 (mist) p.
20	·71	·79	58·4	57·1	47·0	64·9	2·6	2·2	·410	·401	84	85	WSW 1	Calm 0	9	8	·013	● a. Dull and calm, with ∞.
21	·75	·81	58·7	51·9	51·8	62·9	2·6	2·6	·414	·319	84	83	SW 1	SW 2	10	0	·055	Dull, with ●. Fine evening.
22	·82	·47	57·5	53·6	49·0	59·3	4·6	0·9	·344	·386	73	94	SW 2	Calm 0	9	10	·951	∞ a. Dull and gloomy, with ●.
23	·58	·59	56·7	49·7	48·0	59·7	5·4	2·2	·315	·302	68	86	NW 1	Calm 0	7	4	·151	● n. Bright, with ● ▲.
24	·59	·59	55·3	49·1	45·6	59·5	4·3	1·6	·323	·309	73	89	NW 1	SW 1	9	0	·061	∞ a. Bright, with ● · ⌒ 5p.
25	·39	·26	53·8	49·7	45·2	58·0	2·8	2·4	·337	·297	81	84	SW 1	WSW 2	10	5	·340	∞ a. Dull, with ● · Fine evening.
26	·14	·13	52·7	46·8	46·1	55·8	1·8	0·9	·337	·299	88	93	SW 1	Calm 0	10	1	·369	△ 11a. Day bright. ● showers.
27	·20	·46	54·7	51·6	42·5	58·5	3·9	1·9	·323	·333	76	87	NW 1	Calm 0	8	0	·115	Dull, with ● · Fine evening.
28	·72	·86	55·7	46·1	45·0	59·0	4·8	1·5	·318	·277	71	89	NW 2	Calm 0	6	1	—	∞ a. Bright day.
29	·85	·85	53·9	48·9	39·8	60·1	3·5	2·0	·321	·299	77	86	Calm 0	Calm 0	8	4	·030	⌊⌋ n. Fine and bright.
30	29·98	29·98	51·7	49·4	36·0	60·0	2·8	1·3	·313	·320	81	91	Calm 0	Calm 0	0	8	·071	⌊⌋0 n. Bright and calm. ●
31	30·08	30·08	51·8	52·5	35·2	60·5	3·4	2·3	·300	·333	77	84	Calm 0	Calm 0	1	9	·010	⌊⌋0 n. Bright day. ∞ p.
Mean	29·697	29·699	57·9	54·2	48·0	63·4	2·6	1·7	·410	·381	83·8	88·7		0·9		0·4	7·6	4·6	3·307	

STENNESS.—SEPTEMBER 1890.

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

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	29·86	29·74	53·1	54·3	43·6	—	3·1	1·0	·321	·393	79	93	NW 2	S 2	8	10	·050	
2	·76	·82	55·8	53·0	50·5	—	1·4	1·0	·405	·374	90	93	S 3	Calm 0	8	9	—	
3	·77	29·77	59·0	58·1	50·0	—	1·8	0·9	·442	·456	89	94	SSE 4	SW 1	4	9	·080	
4	29·91	30·08	54·9	51·4	51·4	—	4·3	1·7	·317	·336	74	88	W 4	WSW 2	10	0	—	Bere cutting commenced.
5	30·09	·03	56·5	55·0	50·5	—	4·0	1·5	·346	·389	76	90	SSW 2	WSW 6	5	4	·030	Heavy swell in Atlantic.
6	·15	·23	54·3	53·8	50·8	—	3·6	1·0	·324	·385	77	93	W 4	W 1	9	5	—	
7	·23	30·17	57·8	59·0	51·7	—	3·4	4·0	·379	·380	79	76	WSW 2	SSE 4	7	0	—	Very red sunset.
8	30·10	29·93	64·0	58·8	52·0	—	3·9	2·8	·464	·410	78	83	SSE 1	S 1	1	0	·100	Extremely sultry day.
9	29·98	30·01	55·0	51·5	51·5	—	3·1	2·9	·347	·307	80	81	W 3	W 2	6	8	—	Very red sunset.
10	·85	29·77	54·8	51·2	49·0	—	4·1	1·1	·320	·348	75	93	WSW 6	W 4	9	10	·340	
11	·79	29·97	53·1	52·3	50·0	—	0·7	1·3	·385	·357	95	91	NW 3	W 4	10	10	·140	
12	29·97	30·05	55·0	54·0	51·0	—	1·4	2·0	·392	·360	91	86	W 5	W 4	10	10	—	
13	30·04	29·91	56·4	56·3	49·0	—	1·6	1·8	·407	·401	90	88	SSE 4	S 4	2	0	·020	Cutting of oats commenced. Ш (two arches).
14	30·03	30·00	58·4	54·2	52·0	—	2·0	1·7	·427	·372	87	89	Calm 0	Calm 0	9	0	—	Swell in Atlantic.
15	29·88	29·76	54·6	54·8	51·5	—	0·3	1·4	·418	·389	98	90	SSE 4	SSE 4	10	0	—	(gale) 3p.–4p. Ш.
16	·79	·77	55·3	55·4	53·0	—	1·0	1·2	·408	·404	93	92	SSE 6	SSE 6	5	0	—	(gale) all day.
17	·74	·75	57·0	55·0	54·0	—	2·0	1·9	·405	·378	87	88	SSE 7	SSE 6	10	4	·040	(gale) all day.
18	·65	·77	56·0	53·0	53·0	—	2·0	0·8	·391	·380	87	94	SSE 5	Calm 0	10	1	·270	Western sky at sunset deep magenta.
19	·75	·70	55·0	54·7	49·5	—	0·2	0·5	·427	·415	99	96	SSE 2	SSE 4	10	10	—	
20	·59	·43	56·0	55·5	52·2	—	1·0	0·7	·419	·420	93	96	SE 4	SE 6	0	6	·100	
21	·41	·38	55·3	53·0	52·0	—	1·3	1·4	·399	·363	91	90	SSE 6	SSE 4	3	0	—	Sore throats prevalent.
22	·31	·50	56·0	53·2	51·0	—	1·9	1·3	·394	·368	88	91	S 2	W 1	1	10	—	Dry East wind. Red sunset. Crops
23	·68	·59	54·0	53·2	50·0	—	2·0	1·7	·360	·358	86	89	Calm 0	Calm 0	8	7	—	Very fine and calm. [ripening quickly.
24	·48	·70	57·0	50·0	50·0	—	3·0	2·8	·377	·291	81	81	SSW 5	W 6	9	2	·190	
25	·93	·74	50·2	50·3	46·5	—	2·0	0·6	·312	·349	86	96	W 4	S 6	5	10	·500	
26	·58	·89	57·0	53·2	47·5	—	0·7	2·2	·443	·344	95	85	WSW 8	W 6	10	5	·470	
27	·82	·82	53·0	51·8	50·3	—	0·5	2·4	·389	·323	97	83	WSW 3	W 4	10	2	·010	
28	·83	·62	51·1	53·2	48·0	—	4·1	4·2	·275	·297	74	73	WNW 3	SW 4	1	8	·410	
29	·33	·14	51·9	47·5	47·5	—	1·9	7·3	·336	·180	87	55	SW 5	W 10	10	4	·480	
30	29·43	29·32	46·3	43·5	42·5	—	4·8	2·0	·213	·240	68	85	NW 1	ESE 1	9	10	·630	2 60 miles per hour 6p.–10p. ▲.
Mean	29·790	29·777	55·1	53·3	50·1	—	2·2	1·9	·375	·359	85·7	89·4		3·6		3·4	7·0	5·1	3·860	

DUNROBIN CASTLE.—SEPTEMBER 1890.

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	30·03	29·89	53·7	52·7	44·2	62·6	4·0	1·0	·307	·370	74	93	SW	SW	—	—	—	Clear p.
2	29·88	·96	51·7	56·7	49·0	65·9	2·0	2·4	·332	·389	87	85	NE	NE	—	—	—	Mild and cloudy.
3	29·91	29·93	58·9	59·6	50·9	61·9	4·2	2·3	·373	·437	75	86	SE	SE	—	—	·140	Dull, with showers.
4	30·04	30·23	59·9	54·0	52·5	68·9	7·6	4·3	·307	·303	60	73	W	SW	—	—	—	Fine and windy.
5	·24	·21	56·7	55·3	51·5	64·2	4·4	3·0	·339	·354	73	81	W	W	—	—	—	Fine and mild.
6	·31	·39	58·6	55·5	41·2	64·6	5·6	5·0	·335	·310	68	70	SW	SE	—	—	—	Fine and clear a. Dull p.
7	·37	·34	58·9	59·0	51·2	68·9	3·9	1·5	·381	·452	76	91	SW	SE	—	—	—	Fine a. Clear p.
8	·25	·07	59·6	59·6	50·9	68·9	4·1	3·1	·387	·415	76	81	SW	SW	—	—	·160	Fine a. Clear p.
9	·20	30·18	54·7	53·7	53·2	64·0	3·2	4·0	·341	·307	79	74	SW	NE	—	—	—	Dull a. Mild p.
10	30·07	29·91	53·7	54·0	46·2	55·2	3·4	3·5	·322	·322	78	77	SW	W	—	—	·120	showers p.
11	29·94	30·13	55·3	54·3	53·2	66·2	3·8	3·3	·335	·331	76	78	SW	NE	—	—	—	Dull a. Cloudy p.
12	30·14	·19	55·7	53·7	53·2	65·9	1·7	1·2	·395	·379	89	92	NW	N	—	—	—	
13	·17	·08	57·0	54·0	47·2	65·2	3·3	3·3	·369	·327	79	78	S	SE	—	—	—	Fine a. Dull p.
14	·12	30·11	56·0	57·6	49·9	64·4	1·3	4·1	·411	·359	91	76	SW	NW	—	—	—	Fine and mild.
15	30·01	29·92	57·9	59·9	51·7	64·6	2·6	2·6	·403	·433	84	85	SE	SE	—	—	—	Fine and mild a. Dull p.
16	29·90	·88	59·6	58·2	55·7	63·6	5·6	2·2	·348	·418	68	86	SE	SE	—	—	—	Fine and clear.
17	·85	·87	57·4	55·3	48·9	62·9	1·9	3·8	·415	·335	88	76	SE	S	—	—	·230	Fine a. Fresh wind p.
18	·75	·97	56·7	55·7	54·9	60·6	1·2	1·7	·424	·395	93	89	SE	E	—	—	·030	Dull, with a. Dull p.
19	·88	·84	54·5	57·7	53·5	58·9	1·8	2·2	·374	·412	88	86	S	E	—	—	—	Dull a. Cold p.
20	·70	·60	55·7	56·3	53·9	58·9	1·7	4·0	·395	·344	89	75	E	SE	—	—	—	Dull a. Fine p.
21	·53	·48	55·3	55·7	53·9	60·2	2·6	2·4	·364	·376	83	85	SE	SE	—	—	—	Dull and windy a. Dull p.
22	·44	·66	57·9	56·5	53·7	60·9	5·4	3·0	·331	·371	69	81	SE	S	—	—	·030	Fine and clear a. Dull p.
23	·80	·73	53·7	52·0	49·9	57·2	1·2	2·3	·379	·328	92	84	E	SE	—	—	·110	Dull, with a. Dull p.
24	29·62	·90	57·4	50·0	48·2	61·9	3·1	4·5	·381	·255	81	71	NE	NW	—	—	·100	Dull, then fair.
25	30·12	29·89	50·0	54·0	46·5	59·9	2·7	3·3	·293	·327	82	78	NE	SW	—	—	·200	Dull, with showers a. Cold p.
26	29·78	30·09	62·9	56·3	43·2	64·2	4·9	5·3	·415	·313	72	68	NW	NW	—	—	—	Clear and windy a. Dull p.
27	30·00	29·99	60·4	56·3	45·2	63·2	4·4	4·6	·390	·329	74	72	SE	NW	—	—	—	Cloudy a. Blowy p.
28	29·92	·84	53·7	54·0	48·2	57·9	2·7	3·3	·338	·327	82	78	SW	SE	—	—	—	Dull day.
29	·55	·51	54·3	45·4	44·2	57·2	2·0	1·4	·365	·271	86	90	W	SW	—	—	·300	Dull a. Breezy. showers p.
30	29·57	29·40	46·6	45·6	44·2	55·6	0·6	1·1	·303	·281	96	92	S	SW	—	—	1·300	Dull a. p.
Mean	29·936	29·940	56·1	55·0	49·7	62·5	3·2	3·0	·362	·352	80·3	81·0			—	—	2·720	

BRAEMAR.—SEPTEMBER 1890.

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.		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	28·86	28·73	49·6	54·2	38·8	54·2	3·1	3·0	·280	·337	80	80	SW 2	SW 0·5	6	7	·370	Dull, with .
2	·72	·79	57·9	52·5	51·0	66·0	2·2	3·0	·414	·317	86	80	S 2	SW 0·5	8	8	·030	Fine day.
3	·77	28·80	59·6	57·3	49·8	66·0	2·9	2·0	·420	·410	82	87	SW 2	SW 0·5	7	7	·030	Fair a. showers p.
4	28·89	29·03	57·6	54·2	52·7	66·7	4·1	2·9	·359	·340	76	81	SW 1	SW 0·5	4	3	—	Fine day.
5	29·12	·05	51·9	58·9	47·2	65·0	3·4	5·0	·301	·354	78	71	SW 0·5	SW 0·5	6	7	—	Fine day.
6	·16	·21	54·2	50·0	42·3	65·7	5·9	1·6	·272	·319	65	89	SW 0·5	SW 0·5	4	2	—	Fine day.
7	·20	·18	53·5	56·3	39·7	72·2	3·8	5·0	·309	·320	75	70	SW 0·5	SW 0·5	0	0	—	Fine day.
8	29·11	·01	61·8	54·5	40·8	68·8	5·3	3·6	·388	·328	71	77	SW 0·5	SW 0·5	6	0	—	Fine day.
9	28·97	29·00	60·6	49·0	47·8	63·8	4·3	4·3	·396	·249	76	71	SW 1	W 0·5	7	8	—	Fine day.
10	·89	28·82	50·5	51·2	45·8	59·0	3·9	3·3	·373	·295	75	78	SW 2	SW 2	7	7	·070	Dull day.
11	28·79	28·96	52·5	52·5	50·0	60·0	4·0	4·2	·294	·289	74	73	NW 1	SW 1	7	7	—	Fine day.
12	29·00	29·03	54·9	53·7	49·0	67·1	3·4	6·2	·339	·261	78	63	SW 2	SW 0·5	6	0	—	Fine day.
13	28·99	28·97	52·9	52·5	37·3	67·2	2·3	2·0	·339	·341	85	87	W 0·5	SW 0·5	2	1	—	Fine day.
14	·99	·95	52·5	55·5	45·7	67·0	1·3	2·0	·359	·384	90	87	W 0·5	SW 0·5	2	5	—	Fine day.
15	·85	·77	58·3	58·6	51·4	62·2	4·8	4·1	·351	·372	72	76	SW 4	SE 0·5	6	6	—	Fine day.
16	·76	·75	57·8	56·9	56·9	62·4	3·0	3·2	·391	·370	82	80	SE 2	SW 1	2	4	—	Fine day.
17	·70	·71	54·5	54·8	53·7	65·0	1·6	2·1	·379	·371	89	87	S 0·5	E 0·5	8	10	·660	Fine a. Dull p. <.
18	·61	·72	54·7	50·3	49·8	59·8	1·2	1·1	·394	·336	93	92	SE 0·5	SW 0·5	10	8	·130	2 a.
19	·69	·66	50·5	52·3	47·2	59·0	0·0	0·8	·368	·371	100	95	SW 0·5	SE 0·5	10	0	·020	0 (mist) a. Dull and dark.
20	·50	·42	56·5	52·5	50·4	56·8	3·0	2·0	·371	·329	81	87	SE 1	SW 0·5	8	2	·310	showers all day.
21	·36	·35	50·5	51·8	49·0	54·7	2·0	3·9	·317	·289	87	75	S 1	S 0·5	9	4	·020	showers all day. Lunar ◠.
22	·29	·49	52·5	51·7	49·5	57·0	3·5	2·2	·304	·327	77	86	SW 1	SW 0·5	6	6	·020	showers all day.
23	·63	·60	47·7	48·5	41·9	57·2	1·2	3·0	·302	·270	92	80	SW 0·5	SW 0·5	7	6	—	Fine a. Dull p.
24	·55	·80	55·3	47·5	46·8	59·2	2·8	3·0	·359	·259	82	80	SW 2	SW 1	7	6	·030	showers.
25	·99	28·84	46·7	50·7	42·8	53·0	2·2	1·9	·268	·322	85	88	SW 0·5	SW 2	8	9	·170	Dull day. p.
26	·75	29·00	60·0	54·7	50·2	62·0	7·5	5·0	·310	·297	60	70	SW 2	SW 2	8	7	·020	Fine day.
27	·89	28·85	58·3	54·5	53·8	60·3	2·0	3·5	·426	·329	87	77	SW 1	SW 0·5	7	7	·010	showers.
28	·82	·72	49·1	48·8	45·5	57·0	2·9	3·1	·279	·272	79	79	W 1	SW 2	7	8	—	Fine day.
29	·46	·38	51·5	43·3	42·7	55·0	3·0	3·8	·305	·203	80	73	SW 4	SW 2	7	6	·040	. Fine day. p.
30	28·44	28·25	43·7	39·6	38·0	44·7	4·0	0·9	·204	·225	72	93	SW 1	SW 0·5	7	10	1·080	2 all day. Snow on hills.
Mean	28·791	28·794	53·9	52·3	46·9	61·1	3·2	3·1	·336	·316	80·3	80·4		1·3		0·8	6·3	5·4	3·010	

LAUDALE.—SEPTEMBER 1890.

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	29·07	29·92	52·0	58·0	46·3	62·1	2·2	1·1	·330	·448	85	92	SE 10	S 3	10	10	·420	2 (gale) 7a.–2p. 0 (mist) p.
2	·93	·96	57·7	56·2	53·0	59·9	2·5	1·9	·403	·396	84	88	SW 1	Calm 0	10	10	·180	Dull and damp all day.
3	29·95	29·97	60·7	60·0	47·9	62·9	1·8	1·5	·472	·469	89	91	Calm 0	SW 4	10	10	·300	0 (mist). all day. p.
4	30·11	30·25	59·8	55·8	52·3	63·5	3·6	2·6	·403	·373	78	83	Calm 0	Calm 0	10	10	·010	Dull and damp a.
5	·26	·24	55·9	57·2	52·5	64·3	3·2	0·4	·359	·456	80	98	WNW 1	Calm 0	9	10	·020	Dull and damp a. Fine till 3p. 0 p.
6	·38	·42	57·3	50·0	48·7	66·9	2·8	1·0	·388	·334	82	93	NNW 1	Calm 0	4	1	—	Fine from 8a. Much cirrus in evening.
7	·39	·33	60·7	59·0	46·3	71·5	5·2	3·0	·374	·407	71	82	E 1	E 5	0	3	—	Very warm all day. from 5p. [from 6p.
8	·27	·13	64·0	62·3	57·8	69·3	3·7	4·0	·430	·432	79	77	S 2	S 5	5	3	·040	all day.
9	·19	·22	58·7	48·8	47·0	64·0	4·3	0·9	·368	·323	74	93	N 2	NW 1	6	6	·050	Dull till 8a., then fine. Cir. from N. p.
10	·12	·02	56·0	55·0	48·8	59·3	4·0	1·8	·340	·381	75	88	NW 3	W 3	10	10	·100	Dull, with showers.
11	·03	·23	54·9	55·3	50·2	58·1	1·7	5·9	·382	·302	89	69	W 1	SW 2	10	7	·210	0 showers a. Day dull.
12	·06	·19	55·0	51·3	50·0	63·5	3·0	1·2	·349	·347	81	92	NW 4	Calm 0	10	0	—	Bright p. Ш0 at night.
13	·11	·06	61·0	61·0	47·4	67·4	6·0	4·0	·358	·410	67	77	ESE 3	S 5	1	4	—	Fine and bright, with 2. Squally .
14	30·11	30·01	61·8	61·9	54·7	66·4	2·3	4·6	·476	·409	86	74	Calm 0	S 6	10	5	—	Fine all day.
15	29·91	29·81	63·0	62·0	54·4	67·4	7·3	1·3	·354	·510	62	92	E 6	S 6	2	3	—	Squally . 2.
16	·81	·79	61·2	62·0	54·0	66·5	5·6	5·5	·371	·386	69	70	S 7	S 5	6	1	·190	Fine all day, with . n.
17	·75	·76	57·6	57·0	55·0	63·0	1·7	1·5	·424	·420	88	90	S 4	S 1	10	10	·750	most of day.
18	·69	·86	58·9	51·3	50·6	63·8	2·4	0·4	·423	·367	85	97	SW 2	Calm 0	10	0	—	Cloudy a. Clear p.
19	·80	·71	53·0	56·0	45·0	64·0	1·1	0·4	·371	·437	92	97	Calm 0	S 1	5	2	·010	Fine and calm. 0 8p.
20	·54	·43	60·1	54·7	53·3	61·0	4·6	4·2	·381	·316	74	74	SSE 4	SW 1	7	0	·340	Dull early a.
21	·34	·35	56·0	56·3	45·3	57·5	3·0	3·1	·365	·366	81	80	S 6	S 5	10	10	·480	2 showers all day.
22	·35	·63	55·9	52·5	50·7	61·0	1·6	0·5	·401	·381	90	96	S 2	Calm 0	10	10	·120	0 till 11a.
23	·79	·77	54·9	53·0	51·7	60·0	2·9	2·5	·350	·362	81	84	Calm 0	W 1	6	10	·260	Mild and fine. 0 at night.
24	29·62	·94	57·0	51·0	48·6	59·2	2·0	2·0	·405	·323	87	86	W 2	NW 1	8	10	·230	2 showers all day.
25	30·18	29·99	52·6	56·7	48·8	60·5	3·6	2·0	·303	·401	76	87	W 2	W 8	7	10	2·150	Much cir. 9a. 2 from 5p.
26	·04	30·17	61·7	59·0	55·8	62·3	1·9	1·3	·486	·458	89	92	W 9	W 4	10	10	·550	2 n. and till 1.30p. 0 n.
27	·13	30·08	59·3	53·7	51·6	61·0	1·3	1·6	·463	·367	92	89	W 5	W 1	10	10	·570	till 7p. 0 (mist) p.
28	30·02	29·89	52·5	53·7	48·9	58·5	0·4	3·0	·384	·332	97	80	NW 1	W 3	10	10	·140	Dull and mild, with showers.
29	29·67	·64	55·7	47·7	44·0	57·8	3·6	2·9	·346	·264	78	81	W 3	WNW 3	10	7	·430	(gale) 2 9.30a.–5p.
30	29·59	29·32	47·5	47·5	43·7	61·3	3·7	0·8	·244	·309	75	94	SW 1	W 1	10	10	·940	all day.
Mean	29·940	29·935	57·4	55·6	50·1	62·8	3·1	2·2	·385	·383	81·2	86·2		2·8		2·5	7·9	6·7	8·490	

DUNDEE.—SEPTEMBER 1890.

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	29·93	29·82	53·4	55·4	42·6	55·7	2·9	0·8	·330	·416	81	95	SW	1	W	2	10	10	·360	● 10.30*a.*—4*p.*
2	·77	·82	59·4	55·0	55·0	70·3	1·4	0·3	·461	·424	92	98	SW	1	SW	1	10	5	·090	Dull till 1*p.*, then fine.
3	·79	29·83	61·4	59·4	54·1	69·0	1·4	0·9	·497	·478	92	95	W	1	W	2	5	10	·030	● *n.* and till 6*a.* ● shower 7*p.*
4	29·94	30·07	62·4	51·2	51·2	72·6	3·4	0·0	·451	·377	80	100	W	1	W	1	5	5	—	Fine day.
5	30·10	·08	57·0	56·4	47·5	66·8	2·5	0·7	·391	·434	84	96	SW	1	W	1	10	0	—	Dull till 2*p.*
6	·18	·22	60·6	52·6	50·7	68·8	6·1	1·1	·351	·367	67	93	NW	2	NE	1	7	0	—	Fine day.
7	·24	·20	60·0	53·4	44·9	74·3	3·9	0·9	·398	·383	77	94	S	1	W	1	0	0	—	Fine day.
8	·18	·02	62·4	56·8	48·2	72·5	2·6	1·0	·476	·432	85	94	W	1	W	1	0	7	—	∞
9	30·00	30·02	64·2	50·0	49·8	71·8	2·9	0·5	·499	·348	83	97	W	1	NW	1	5	10	—	Cloudy day.
10	29·97	29·83	52·4	53·3	43·8	60·3	2·8	1·8	·321	·357	82	88	SW	1	W	4	10	10	—	Dull day.
11	29·82	29·98	60·1	54·0	52·4	65·8	5·0	2·5	·371	·347	72	83	NW	2	NW	1	5	5	—	Cloudy day.
12	30·03	30·02	58·9	54·7	48·7	70·7	4·1	0·2	·376	·423	75	99	NW	2	NW	1	5	0	—	Fine day.
13	·03	29·97	56·8	52·9	45·0	68·2	2·3	0·4	·394	·390	85	98	SW	1	SE	1	0	0	—	Fine day.
14	30·01	·97	50·7	56·2	47·6	71·8	0·5	1·0	·355	·422	95	93	W	1	NE	1	5	7	—	Fine at times. ∞
15	29·89	·78	55·9	54·4	50·5	64·7	1·3	0·6	·410	·407	92	97	SE	2	SE	1	5	5	—	≋⁰ (mist) till 9*a.* Dull from 4*p.*
16	·80	·74	59·9	54·8	50·0	64·0	3·1	0·4	·419	·418	82	97	SE	2	SE	6	0	10	—	Dull, with ≋⁰ (mist) from noon.
17	·71	·69	57·2	54·7	53·6	64·7	1·3	0·2	·429	·423	91	99	SE	2	SE	6	10	10	·650	● from 7.30*p.*
18	·62	·71	55·4	54·0	53·8	67·0	0·2	0·5	·433	·403	98	97	SE	1	SW	1	10	10	·100	● *n.* and till 8.30*a.*
19	·69	·62	55·9	55·0	53·4	60·8	0·4	0·3	·432	·424	97	98	S	1	SE	1	10	10	·030	● *n.* and at 4*p.*
20	·49	·38	55·3	53·4	52·1	57·8	0·4	0·7	·427	·388	97	95	SE	2	SE	2	10	7	·130	● showers. ⁄ (gale) 10*a.*—4*p.* T*p.*
21	·38	·34	54·2	53·6	50·8	62·5	2·5	1·5	·350	·369	83	90	SE	4	SE	2	10	10	—	Dull day.
22	·28	·49	53·8	52·6	47·6	62·7	1·8	0·1	·363	·395	87	100	SE	1	SW	1	10	10	·010	Dull day. ● 3*p.*
23	·62	·62	56·1	51·3	51·0	60·3	1·5	2·2	·407	·322	90	85	SW	1	W	2	10	10	—	Dull day.
24	29·62	·80	55·5	51·3	50·3	61·9	1·0	2·2	·412	·322	94	85	SW	4	W	4	10	10	—	Dull day. ⁄ at times.
25	30·05	29·94	50·9	51·6	45·4	58·3	3·1	0·5	·295	·367	80	96	W	2	SW	2	5	10	·090	Dull day. ● from 7.30*p.*
26	29·80	30·01	63·7	57·4	51·4	68·3	3·6	1·5	·468	·426	79	90	W	10	W	8	5	7	—	⁄ (gale) *n.* and during day.
27	·92	29·89	62·2	58·3	57·4	67·0	2·5	1·8	·475	·432	85	88	W	6	W	1	5	5	·020	Cloudy and gusty.
28	·84	·73	53·4	51·9	51·0	64·5	3·4	2·3	·317	·326	78	85	NW	2	NW	2	10	10	·040	Dull day.
29	·53	·39	52·9	49·1	48·9	56·6	1·4	4·6	·362	·244	91	70	SW	6	NW	12	10	5	·010	● *n.* ⁄ (gale) from 10*a.* ● showers.
30	29·47	29·20	47·7	44·3	43·0	50·1	1·6	0·4	·292	·282	88	97	SW	1	NE	2	10	10	1·330	● *n.* and from 10.30*a.*
Mean	29·823	29·805	57·0	53·6	49·7	65·0	2·4	1·1	·399	·385	85·4	93·1		2·1		2·4	6·9	6·9	2·890	

GLASGOW.—SEPTEMBER 1890.

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	29·91	29·81	51·2	55·9	44·7	56·2	1·3	0·3	·343	·439	91	98	SW	1	SW	1	10	10	·625	Gloomy and overcast, with ●².
2	·78	·84	57·8	55·9	55·3	62·1	0·3	0·5	·469	·433	99	97	SW	1	NW	1	10	10	·450	Overcast, with ●².
3	·81	29·87	59·3	59·2	55·0	63·9	0·6	0·2	·485	·496	96	99	W	1	SW	1	10	10	·245	Overcast, with ●².
4	29·95	30·09	59·3	55·1	55·1	66·1	0·3	2·0	·496	·377	98	87	W	1	W	1	10	8	—	Dull and cloudy.
5	30·11	·09	58·0	58·8	53·0	64·4	2·6	0·3	·404	·485	83	99	W	1	SW	1	9	10	·030	
6	·21	·23	56·0	53·2	52·1	64·2	4·3	2·1	·330	·348	74	86	NW	1	W	1	2	0	—	Sunny day.
7	·25	·19	54·7	56·1	46·0	68·6	3·3	1·6	·338	·403	78	89	SE	1	SW	1	9	4	—	Sunny day.
8	·14	·02	59·8	56·9	52·0	68·3	1·9	1·7	·454	·413	89	89	NE	1	SW	1	9	3	—	Sunny day.
9	30·02	30·05	60·9	48·2	47·3	63·4	2·1	3·5	·465	·256	87	76	SW	1	W	1	8	2	—	Dull and cloudy, then clear.
10	29·98	29·88	52·9	53·2	44·3	58·5	0·9	2·2	·375	·345	94	85	W	1	W	1	10	4	—	Dull and threatening.
11	29·87	30·03	55·7	52·0	52·0	60·3	3·3	2·1	·352	·333	80	85	SW	1	W	1	8	2	—	Sunny day.
12	30·06	30·04	56·8	52·0	50·8	61·7	2·7	0·7	·382	·369	83	95	W	1	S	1	10	4	—	Sunny day.
13	·04	29·95	50·0	55·6	45·1	67·0	0·7	2·5	·342	·371	95	85	E	1	S	1	10	0	—	≋ *a.* Fine day.
14	30·00	·94	58·3	57·1	52·4	67·3	2·1	2·5	·422	·393	86	84	NE	1	SE	1	10	0	—	∞
15	29·83	·73	57·4	59·1	51·0	67·5	3·7	4·8	·365	·361	77	72	E	1	SE	1	6	0	—	≋⁰ (mist) 9*a.* Day bright and clear.
16	·73	·64	59·3	59·9	54·9	67·6	4·6	4·3	·369	·385	73	75	S	1	E	2	3	4	—	Sunny day.
17	·66	·61	59·0	57·7	56·7	64·1	4·0	1·9	·379	·419	76	88	E	1	E	1	10	10	·230	Overcast and threatening. ●
18	·57	·71	59·7	55·0	55·0	62·6	3·3	1·4	·410	·391	81	91	SE	2	NW	1	10	10	—	
19	·63	·55	53·1	55·1	46·2	64·1	1·2	1·4	·370	·393	92	91	SE	1	E	1	9	10	—	⌊≋⁰ *a.* Dull day.
20	·37	·30	55·3	50·1	49·8	61·6	1·7	2·0	·388	·311	89	86	E	2	E	2	10	4	·178	⌈⁰ ●⁰ showers.
21	·30	·25	56·9	56·8	49·9	59·2	5·0	3·5	·327	·362	70	78	SE	4	S	2	5	6	—	Dull day.
22	·24	·47	57·2	54·8	52·3	60·3	3·2	1·0	·374	·400	80	93	S	1	NE	1	10	10	·020	Dull and cloudy. ●⁰.
23	·62	·65	55·4	53·2	51·5	59·1	2·1	1·3	·378	·369	87	91	SW	1	SW	2	10	10	·038	Dull and overcast.
24	29·65	·85	55·4	50·7	50·3	59·1	0·7	2·3	·418	·311	96	85	SW	3	S	1	10	4	·040	Overcast, with ●⁰ showers.
25	30·07	29·94	53·8	53·4	47·0	57·5	3·4	0·7	·324	·388	78	95	SW	2	SW	4	7	10	·463	Dull and threatening. ●².
26	29·89	30·07	60·1	58·2	51·0	61·0	1·7	0·6	·464	·467	90	96	W	5	SW	3	10	10	·027	Overcast, with squally ⁄ ●².
27	·99	29·93	59·5	57·2	56·9	60·4	1·4	0·7	·464	·447	92	95	W	5	SW	3	10	10	·158	Overcast, with squally ⁄ ●⁰.
28	·86	·76	55·4	52·3	52·3	58·2	3·3	2·2	·346	·334	80	85	W	2	W	2	6	10	·049	●⁰ *a.* Dull and cloudy.
29	·59	·47	53·9	49·3	49·3	54·6	2·3	3·9	·353	·259	85	74	SW	4	W	4	10	7	·552	Overcast, with squally ⁄ ●².
30	29·44	29·14	46·8	57·3	45·6	57·6	1·4	0·6	·287	·453	90	96	W	1	SW	3	10	10	1·124	⊔ 2*a.* Overcast, with squally ⁄ ●².
Mean	29·819	29·804	56·3	55·0	50·9	62·2	2·3	1·8	·389	·384	85·6	88·2		1·7		1·6	8·7	6·4	4·229	

WOLFELEE.—SEPTEMBER 1890.

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	29·52	29·42	51·5	54·0	36·0	61·8	2·4	0·4	·319	·466	84	97	W	2	SW		—	—	·120	Fine and clear *a.* Blowy, with ● *p.*
2	·35	·39	57·0	58·0	48·4	58·0	1·4	1·4	·422	·439	91	91	SW		SW		—	—	·320	Stormy, with ⁄ ● *a.* Dull *p.*
3	·39	·42	60·5	60·0	54·3	68·2	0·9	1·9	·497	·456	95	89	SW		SW		—	—	·030	● *n.* Dull, with ● showers *a.* Fine
4	·50	·62	60·5	58·5	56·3	70·5	1·9	1·4	·465	·446	89	91	SW		SW		—	—	—	Dull *a.* Fine *p.* [but blowy *p.*
5	·66	·64	60·0	59·0	47·4	68·5	2·9	2·4	·426	·424	83	86	SW		SW		—	—	—	Fine day.
6	·72	·76	62·0	54·0	51·3	69·5	5·4	1·4	·388	·377	70	90	NW		SW		—	—	—	Very fine day.
7	·79	·72	61·0	52·0	40·4	74·0	3·4	1·9	·427	·338	80	87	W		SW		—	—	—	Very fine.
8	·72	·60	64·0	55·0	45·4	75·0	4·4	1·4	·449	·392	75	91	SW		SW		—	—	—	Very fine day. Blowy *p.*
9	·58	·58	61·0	54·0	53·3	76·0	2·9	1·4	·442	·377	83	90	WNW		W		—	—	—	Fine and mild *p.*
10	·53	·43	55·5	53·0	37·0	70·0	4·0	2·4	·312	·337	70	84	W		W		—	—	—	Fine and blowy *a.* Dull and blowy *p.*
11	·39	·55	60·0	50·0	50·0	61·5	5·4	1·4	·359	·324	69	90	W		W		—	—	—	Blowy *a.* Fine and clear.
12	·59	·61	58·5	52·0	39·0	65·0	4·4	2·4	·363	·325	74	84	NW		W		—	—	—	Fine, bright and clear.
13	·56	·51	53·0	53·0	37·0	60·5	2·4	2·4	·337	·337	84	84	W		W		—	—	—	Fine and bright.
14	·57	·53	59·5	54·0	44·4	74·0	2·4	2·4	·432	·350	86	84	W		W		—	—	—	Fine and clear.
15	·43	·32	55·5	58·0	41·4	71·5	2·9	2·4	·360	·410	82	85	NE		S		—	—	—	Fine and clear. Blowy *p.*
16	·33	·26	57·0	57·5	44·4	69·5	3·4	2·9	·367	·389	79	82	SW		S		—	—	—	Fine and blowy *a.* Blowy *p.*
17	·25	·22	57·5	56·0	51·3	72·5	2·4	2·4	·402	·381	85	85	SSE		SW		—	—	·200	Fine and blowy *a.* ● *p.*
18	·16	·27	57·5	52·0	52·0	70·0	1·4	1·4	·430	·351	91	90	SSW		SW		—	—	·040	Dull, with ● showers *a.*
19	29·23	29·14	58·0	57·0	48·4	67·0	1·9	3·4	·424	·367	88	79	SW		S		—	—	·020	Blowy, with ● showers *p.*
20	28·95	28·91	56·5	53·0	50·3	68·5	1·9	3·4	·401	·313	88	78	SSE		SE		—	—	·130	Dull and blowy with ● showers *a.*
21	·91	28·89	54·0	50·0	47·4	66·0	1·0	1·9	·363	·312	87	87	SSE		SE		—	—	—	Blowy *a.* and *p.* Fine *p.* [⌈ *p.*
22	28·85	29·05	55·5	49·0	47·4	66·0	2·9	0·9	·360	·325	82	94	SW		SW		—	—	—	Dull and cloudy *a.* Fine and clear *p.*
23	29·15	·24	58·0	49·5	47·4	64·0	2·4	0·9	·410	·331	85	93	SW		SW		—	—	·190	Fine and blowy *p.*
24	·25	·39	55·5	51·0	45·4	59·0	1·9	2·4	·387	·313	88	84	SW		SW		—	—	·050	Blowy, with ●⁰ *a.*
25	·62	·56	50·5	51·5	41·4	60·5	2·9	1·4	·295	·344	81	90	W		W		—	—	·040	Fine and clear *a.* Blowy, with ● *p.*
26	·48	·64	62·5	61·0	48·9	63·0	3·4	2·4	·452	·458	80	86	W		SW		—	—	—	⁄ (gale) *n.* Blowy *a.* and *p.* Fine *p.*
27	·59	·52	62·0	60·0	56·3	66·5	2·4	2·4	·475	·441	86	86	SW		SW		—	—	·030	Dull, blowy and mild.
28	·42	·35	58·0	52·0	52·0	62·5	2·4	2·4	·410	·325	85	84	SW		W		—	—	—	Fine and clear.
29	·21	29·03	53·5	52·0	43·4	60·2	3·4	3·4	·319	·301	78	78	SW		NW		—	—	·130	⁄ (gale) during day. ● showers *p.*
30	29·04	28·77	47·0	57·0	43·9	57·0	0·9	1·4	·301	·422	94	91	NW		S W		—	—	·510	Dull, with ● *a.* ⁄ ● *p.*
Mean	29·391	29·378	57·4	54·4	46·7	66·8	2·8	2·0	·393	·370	83·1	87·0	—		—		—	—	1·810	

SCARBOROUGH.—SEPTEMBER 1890.

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	30·07	29·97	53·8	52·5	41·1	62·3	4·9	2·4	·289	·331	70	84	NW	2	W	1	4	10	·050	Bright *a.* ● 4*p.*—9*p.*
2	29·92	·85	58·4	59·3	52·1	65·5	2·9	1·3	·401	·462	82	92	W	3	SW	1	10	5	·200	Fine early *a.*, then dull. ● 4*p.*—6*p.*
3	·90	29·90	58·5	60·4	56·7	68·0	0·6	1·5	·472	·473	96	91	SW	2	SW	1	10	10	·100	Damp *a.* Fine afternoon.
4	29·99	30·05	61·0	60·9	58·6	68·4	1·2	1·4	·494	·487	93	92	SW	3	SW	1	9	10	·080	Damp *a.* ● in afternoon.
5	30·14	·16	60·5	57·2	56·8	63·0	0·8	1·8	·500	·415	95	88	Calm	0	Calm	0	10	0	—	Damp *a.*, then fine and bright.
6	·17	·21	61·7	54·4	54·4	67·0	1·5	1·4	·496	·382	91	91	N	1	N	1	10	0	—	Dull *a.*, then very fine.
7	·27	·20	56·8	60·0	48·3	70·8	1·9	2·1	·466	·449	87	87	W	2	W	1	1	0	—	Bright and warm.
8	·21	·11	59·6	63·4	56·5	74·3	2·4	5·1	·433	·416	85	72	W	1	W	1	0	0	—	Bright and hot.
9	·08	30·00	62·6	60·4	54·8	70·8	4·2	3·3	·430	·421	76	81	SW	2	SW	2	4	2	—	Bright and hot.
10	30·01	29·91	57·3	54·8	54·6	62·9	4·6	4·9	·342	·302	73	71	W	1	W	1	10	0	·010	Dull day.
11	29·84	29·98	57·5	55·4	52·2	65·7	2·7	2·4	·394	·370	83	85	NW	3	NW	1	10	0	—	Dull *a.*, then fine.
12	30·05	30·05	60·1	54·3	47·5	62·5	5·6	3·3	·356	·333	69	78	NW	1	NW	1	0	0	—	Very fine and bright.
13	·08	·01	58·7	55·9	49·5	60·0	3·3	0·9	·394	·421	79	94	SW	2	SE	1	5	0	—	Very fine and bright.
14	30·05	30·01	55·6	56·0	51·6	66·4	1·6	1·2	·396	·413	89	92	SW	2	SW	4	0	0	—	Very fine and bright.
15	29·98	29·87	58·8	57·1	53·5	66·0	1·8	1·6	·439	·419	89	89	S	2	SE	5	6	0	—	Cloudy *a.*, then bright and windy.
16	·87	·77	59·2	57·4	57·1	65·6	1·2	1·7	·464	·421	94	89	SW	2	SE	2	10	0	—	Cloudy *a.*, then bright and windy.
17	·76	·70	60·8	56·5	55·3	65·4	1·8	1·0	·472	·427	89	94	S	3	S	1	5	0	·050	
18	·67	·69	59·6	58·5	56·3	66·0	0·7	1·0	·487	·431	95	88	SE	2	SE	2	10	5	—	[≺ ²*n.*
19	·72	·68	57·9	55·6	55·6	62·9	1·2	1·1	·443	·410	93	93	S	2	SE	1	9	0	·150	Dull early *a.*, then fine and warm.
20	·45	·49	58·6	55·9	54·4	64·5	1·1	3·4	·457	·352	94	79	SE	4	S	2	10	4	—	Brilliant at night.
21	·50	·45	57·6	57·2	50·3	62·9	3·9	3·0	·364	·379	77	81	S	3	S	2	4	9	·520	●² early *a.*, then very fine.
22	·41	·59	56·8	54·6	52·1	62·2	2·8	2·1	·381	·367	82	87	SW	4	SW	1	0	0	—	Very fine, then overcast.
23	·67	·74	54·6	50·8	50·3	62·2	1·4	1·2	·385	·340	90	91	SW	2	SW	1	5	1	—	●²*n.* Brilliant day.
24	29·84	29·93	56·2	56·4	48·8	62·8	2·3	1·0	·384	·425	85	94	SW	3	SW	2	7	10	·130	≋ *a.* Very fine day.
25	30·11	30·17	55·4	49·8	49·8	60·5	5·2	2·5	·302	·295	69	83	W	2	SW	2	1	10	·160	Fine *a.* ● from 5*p.*
26	·00	·13	60·6	60·3	49·6	67·5	2·3	1·5	·454	·472	86	91	W	6	W	2	10	0	—	Very fine day. ⊔ 8*p.*
27	30·11	30·05	63·1	59·1	59·0	68·7	2·4	2·2	·492	·431	85	86	SW	5	W	1	1	2	—	Stormy *a.*, then brilliant.
28	29·92	29·85	57·4	56·7	55·3	62·0	2·6	1·6	·396	·413	84	90	SW	1	SW	1	9	10	—	Fine and warm. Very brilliant *p.*
29	·77	·59	54·8	55·3	50·5	58·5	3·3	3·6	·339	·338	79	77	SW	2	SW	5	7	10	·080	
30	29·60	29·41	53·5	57·6	53·3	59·7	0·9	2·3	·384	·406	93	85	SW	2	SW	5	10	10	·040	Dark, overcast, and gusty. ● at [times.
Mean	29·905	29·883	58·2	56·8	52·9	64·8	2·4	2·2	·415	·400	85·1	86·5		2·3		1·7	6·2	3·6	1·570	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—SEPTEMBER 1890.

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	30·04	29·95	53·8	56·8	43·3	56·8	2·1	0·8	·355	·437	85	94	SW 3	SW 4–5	10	10	·088	Overcast. ● showers.
2	29·92	29·94	59·7	58·8	56·2	62·0	0·9	1·0	·483	·464	95	94	WSW 3	W 3–4	10	8	·225	Dull day. ● showers.
3	29·96	30·01	60·2	59·0	57·7	65·6	1·1	1·0	·485	·467	94	94	W 4–5	WSW 1	9	10	·257	🌂 *a.* Dull day. ● *9p.*
4	30·06	·15	60·2	61·0	58·0	64·2	1·0	0·7	·489	·513	94	96	WSW 3	WNW 3	9	9	·002	Overcast. ● [(mist) *p.*
5	·19	·17	64·0	60·2	53·2	67·3	4·4	0·2	·449	·515	75	99	WNW 2	Calm 0	4	10	·060	Fine *a.* Dull afternoon. ● ≋[0]
6	·27	·29	61·5	46·0	46·0	65·6	2·8	1·7	·454	·272	84	88	NNW 5	N 1	3	0	—	🌂 *a.* Very fine day. ⊅ *p.*
7	·28	·26	62·0	52·6	46·0	66·9	3·0	0·8	·456	·375	82	95	SE 2	NNE 1	5	2	—	≋ *a.* and *p.* Very fine day.
8	·20	·14	65·3	58·8	52·6	67·0	3·5	1·8	·500	·439	81	89	SSW 1	SSW 3	1	4	—	≋ *a.* Very fine day. ⊅ ≋[0] (mist)
9	·12	·10	63·2	56·8	55·8	64·7	2·6	1·0	·490	·431	85	93	WSW 3	Calm 0	7	10	—	⊅ *a.* Dull day. [*p.*
10	30·08	·02	58·7	54·8	49·4	61·8	4·4	1·6	·366	·384	75	89	WNW 3	WNW 2	3	4	—	⊅ *a.* Fine day.
11	29·99	·11	61·3	55·0	53·0	61·3	2·6	1·7	·457	·383	85	89	NW 6–7	NNW 4	6	1	—	Squally 🌂 *a.* Dull day.
12	30·15	·10	62·3	47·6	47·0	63·1	4·0	0·8	·432	·310	78	95	NNW 3	N 1	4	6	—	⊅ *a.* and *p.* Fine day.
13	·04	30·01	61·7	53·0	45·2	64·6	2·3	1·0	·473	·374	86	93	SSE 2	N 1	2	2	—	⊅ *a.* and *p.* ≋[0] (mist) *a.* Fine day.
14	30·04	29·98	60·8	57·0	50·2	62·8	1·5	1·0	·483	·434	91	93	ESE 2	ESE 2	8	2	—	⊅ *a.* and *p.* ≋[0] (mist) *a.* Fine day.
15	29·85	·79	57·9	58·1	55·0	64·0	1·6	0·2	·431	·478	90	98	SE 6–7	S 3	2	1	—	Squally 🌂 *a.* Very fine. ⊅ *p.*
16	·78	·68	62·2	52·1	50·2	64·3	3·3	0·3	·450	·382	81	98	SSE 3	Calm 0	2	3	·011	⊅ *a.* Very fine. ⊅ [2] *p.*
17	·70	·64	60·0	57·0	51·1	63·0	2·7	0·3	·432	·456	84	98	SE 4	E 2	8	10	·602	● showers *a.* Dull day. ● [2] from 4*p.*
18	·68	·75	56·0	45·0	45·0	61·6	1·2	0·8	·413	·280	92	94	WSW 2	N 1	10	3	—	Dull *a.* Fine afternoon. ⊅ [2] *p.*
19	·67	·55	57·8	57·2	43·4	61·8	0·8	1·0	·454	·437	94	93	SE 3	ESE 3	8	4	·352	⊅ *a.* Cloudy day. ⊼ ●
20	·28	28	57·6	58·0	52·8	59·2	0·6	4·2	·457	·362	96	75	SSE 5	SE 6–7	8	10	·256	Cloudy, with squally 🌂 · ● [2] showers.
21	·30	·31	58·0	56·8	54·8	61·0	4·0	1·4	·367	·420	76	90	SSE 7	S 5–6	10	4	·042	Dull, with squally 🌂 · ● showers *5p.*
22	·36	·56	57·7	55·3	55·3	60·6	2·0	3·2	·417	·349	87	80	WSW 4	WNW 3	7	10	·091	Cloudy, with ● showers. ≋[0] (mist)
23	·72	·77	53·9	55·4	51·5	59·8	1·1	1·2	·384	·404	93	92	WNW 4	W 4	8	10	·102	● *a.* Cloudy. ● showers from *6p.* [*p.*
24	29·82	29·96	58·9	55·3	53·8	61·5	1·5	2·5	·450	·367	91	84	SW 5–6	WNW 4	9	9	·033	🌂 ● *a.* Cloudy. ● showers.
25	30·19	30·13	56·3	57·2	44·0	59·8	3·6	1·1	·354	·434	78	93	WNW 2	SW 4	7	10	·024	Fine *a.* ⊅ *p.* ● showers at night.
26	·14	·23	60·3	61·4	56·3	64·0	0·5	1·2	·507	·502	97	93	WSW 6–7	WNW 3	10	10	—	Dull, with squally 🌂 ·
27	30·19	30·11	61·0	58·0	56·8	64·9	1·2	1·3	·496	·442	93	91	W 5–6	W 3–4	10	1	·078	Squally 🌂 *a.* Fine day.
28	29·98	29·88	56·4	55·8	53·7	61·9	0·6	0·8	·437	·422	96	94	WSW 5	WNW 3	10	4	·017	Squally 🌂 *a.* Dull day. ● *7p.*
29	·80	·64	55·0	56·8	47·0	57·1	2·4	1·8	·395	·408	85	88	WSW 5	W 4	10	9	·690	Dull day. Squally, with ● [2] *n.*
30	29·54	29·37	56·0	57·4	51·4	58·0	0·5	0·4	·434	·459	97	97	WSW 5	WSW 6–8	10	10	1·130	Squally 🌂 ● [2] *a.* and *p.* Overcast [day.
Mean	29·910	29·896	59·3	55·8	51·2	62·5	2·1	1·2	·441	·413	87·3	92·0		3·9		2·8	7·0	6·2	4·060	

STONYHURST.—SEPTEMBER 1890.

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	29·87	29·80	54·0	54·4	38·7	59·0	3·5	3·2	·322	·335	77	79	NbyE 1	SW 1	7	10	·050	Overcast day. ● [0] *p.*
2	·73	·75	56·6	57·3	53·9	58·8	1·1	0·3	·426	·461	93	98	SW 2	swb.w 1	10	10	·463	Overcast, with ● [0].
3	·74	·79	58·1	59·2	55·3	59·2	0·6	1·2	·465	·464	96	93	swbyw 2	WbyS 2	10	10	·400	Overcast, with ●.
4	·86	·93	58·1	59·0	57·1	63·4	0·3	0·7	·474	·477	98	96	WSW 2	WSW 1	10	10	·140	Overcast, with ● [0].
5	29·97	29·95	59·6	59·8	58·0	71·3	0·2	1·4	·504	·469	98	91	Calm 0	Calm 0	10	10	·030	
6	30·02	30·06	60·0	53·0	52·9	65·8	1·0	0·8	·485	·380	94	94	Calm 0	Calm 0	10	0	—	≋[0] (mist) *a.*
7	·07	30·04	58·3	58·8	51·9	70·8	1·0	2·2	·455	·428	93	87	Calm 0	Calm 0	2	0	—	Clear and sunny *p.*
8	30·02	29·95	61·2	58·0	52·7	72·8	2·9	3·4	·445	·383	83	79	Calm 0	Calm 0	0	0	—	Clear and sunny.
9	29·92	·86	57·1	56·7	53·1	65·7	1·6	1·1	·419	·427	89	93	Calm 0	Calm 0	10	0	·013	Overcast *a.*
10	·84	·79	59·2	50·7	50·1	61·0	4·5	1·9	·370	·322	74	88	Calm 0	W 1	10	0	010	Cloudy day.
11	·72	·85	56·6	52·0	49·1	61·0	1·2	1·9	·423	·338	92	87	W byS 3	SbyE 1	10	0	—	
12	·90	·88	54·0	50·7	43·3	59·8	1·8	1·2	·366	·340	87	92	Calm 0	Calm 0	10	0	—	
13	·85	·81	57·5	56·8	47·2	65·3	3·5	2·3	·372	·394	78	85	Calm 0	Calm 0	0	0	—	Sunny with ∞.
14	·86	·80	57·7	58·0	50·2	65·1	3·3	4·1	·381	·365	79	76	Calm 0	Calm 0	4	0	—	Cloudy *a.* Clear *p.*
15	·70	·62	59·9	59·2	47·5	68·8	3·9	5·3	·396	·350	77	70	ENE 1	sEbyE 1	0	0	—	Sunny with ∞ *a.* Clear *p.*
16	·60	·52	57·8	60·0	48·7	69·7	2·8	6·2	·395	·339	82	65	Calm 0	E byS 1	0	2	—	Sunny day.
17	·52	·45	57·0	60·3	51·1	67·0	2·0	2·4	·405	·446	87	85	NE 1	NE 1	4	10	·130	Overcast. < *p.* ⊼ midt.
18	·45	·51	60·2	56·1	56·0	63·8	2·1	1·8	·453	·398	88	88	SW 1	Calm 0	10	10	—	Cloudy day. T < *p.*
19	·49	·39	57·2	55·3	52·6	63·7	2·9	2·6	·383	·364	82	83	SEb.E 1	sEbyE 1	7	0	·020	Cloudy day. ● [0] *p.*
20	·14	·18	59·0	54·0	53·1	61·7	2·7	4·3[a]	·416	·303	84	73	SEb.E 2	sEbyE 1	10	3	·053	⊼ ● *a.*
21	·21	·17	57·6	54·2	52·6	61·5	5·4	2·2	·327	·358	69	85	S byE 5	S by E 3	8	9	—	Cloudy *a.* Overcast *p.*
22	·18	·36	57·4	53·1	50·5	61·6	3·5	1·6	·370	·360	78	89	SbyW 3	WbyS 1	7	9	·111	Cloudy day. ● *p.*
23	·47	·57	55·2	51·6	50·6	58·2	0·7	1·0	·416	·356	96	93	swbyw 1	swb.w 1	10	8	·240	Overcast, with ● [0].
24	·65	·75	54·7	55·1	50·8	59·6	1·6	1·0	·382	·405	90	93	swbys 2	WSW 1	10	10	·325	Overcast, with ●.
25	·95	29·98	55·7	52·6	49·0	59·1	4·3	2·3	·329	·335	73	84	W 2	SW 1	5	10	·024	Cloudy day.
26	·89	30·01	59·5	60·0	51·8	61·3	1·5	0·9	·460	·488	91	95	WbyS 6	WSW 3	10	10	·178	Squally 🌂 *a.* Overcast. ● *p.*
27	·99	29·91	59·5	57·7	57·5	61·8	0·9	0·7	·480	·455	95	95	WSW 2	WSW 1	10	7	·100	Overcast, with ● [0] *a.*
28	·78	·66	55·8	56·0	54·4	58·0	0·9	0·5	·420	·434	94	97	WSW 2	SW 2	10	10	·830	Overcast, with ●.
29	·59	·42	54·8	55·4	47·1	57·4	2·8	2·4	·351	·371	82	85	swb.w 2	WSW 5	7	5	·472	Cloudy *a.* Overcast and squally *p.*
30	29·40	29·22	53·4	56·4	52·7	57·6	0·5	1·9	·394	·399	96	88	SW 2	swb.w 5	10	10	1·570	Overcast, with ● [2]. Squally *p.*
Mean	29·712	29·699	57·4	56·0	51·3	63·0	2·2	2·1	·409	·391	86·5	86·9		3·4		1·2	7·4	5·4	5·159	

HILLINGTON.—SEPTEMBER 1890.

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	30·20	30·12	53·1	53·5	32·0	64·9	1·4	0·8	·365	·386	90	94	NW 1	S 1	0	6	—	Very fine and sunny. ⊅ *p.*
2	·07	·10	59·0	57·0	45·0	64·4	1·2	0·3	·462	·456	93	98	SW 2	NW 1	10	5	—	Overcast all day.
3	·10	·14	59·4	61·0	50·0	67·4	1·3	0·9	·464	·505	93	95	SW 2	NW 1	10	10	·098	Overcast all day. ● [0] *p.*
4	·17	·22	60·2	61·5	54·5	64·6	0·2	0·5	·514	·529	99	97	NW 2	NW 1	10	10	·147	Overcast all day. ● [0] *p.*
5	·26	·21	64·0	60·2	54·8	73·4	1·9	0·6	·528	·501	89	97	NW 2	NW 1	5	0	—	⊅ *p.*
6	·28	·34	65·0	56·0	48·0	70·5	2·8	0·8	·516	·424	84	94	NW 2	NW 1	4	0	—	⊅ *p.*
7	·36	·31	60·5	54·2	45·0	72·4	1·7	0·1	·479	·418	90	99	N 1	N 0·5	3	0	—	Very fine and sunny. ⊅ *p.*
8	·35	·28	63·0	56·2	45·0	75·5	2·2	0·1	·498	·449	87	99	N 1	N 1	0	0	—	Very fine and sunny. ⊅ [2] *p.*
9	·22	·10	66·0	54·5	46·8	77·5	1·1	1·8	·596	·373	93	88	SW 1	SW 1	3	0	—	Very fine and sunny. ⊅ [2] *p.*
10	·09	·01	63·6	50·0	47·0	67·9	2·0	0·0	·518	·361	89	100	N 1	NW 1	5	0	—	Very fine and sunny till 3*p.* ⊅ [2] *p.*
11	·02	·12	55·6	56·3	44·2	65·4	0·5	0·3	·427	·444	97	98	W 4	N 1	10	5	—	Cloudy from 5*p.* ⊅ [2] *p.*
12	·17	·17	56·4	51·6	43·0	68·6	0·9	0·1	·428	·379	95	99	N 1	N 1	2	0	—	Very fine and sunny. ⊅ [2] *p.*
13	·20	·18	60·5	52·0	45·2	68·4	1·1	e·2	·483	·382	93	99	SE 1	SE 1	5	0	—	⊅ [2] *p.*
14	·22	·13	61·2	51·1	45·2	68·9	1·6	0·2	·485	·370	91	98	SE 2	SE 1	4	0	—	Very fine and sunny. ⊅ [2] *p.*
15	30·08	30·01	65·0	57·4	49·0	72·4	1·2	0·2	·572	·465	93	98	SE 3	SE 3	0	0	—	Very fine and sunny. ⊅ [2] *p.*
16	29·97	29·88	67·5	56·0	54·0	72·5	0·8	0·2	·639	·443	95	99	SE 3	SE 2	0	0	—	Very fine and sunny. ⊅ [2] *p.*
17	·87	·88	64·2	57·4	53·8	71·4	0·5	0·2	·582	·461	97	98	SE 4	SE 4	4	0	·237	Very fine and sunny. ⊼ ● [2] midt.
18	·80	·87	65·2	58·2	56·2	70·5	0·8	1·5	·590	·497	95	90	S 3	S 2	10	10	·088	● [2] early *a.*
19	·81	·77	59·5	54·9	53·1	67·6	1·9	0·1	·447	·428	89	99	SW 1	SW 1	4	4	·105	● [0] early *a.*
20	·56	·62	63·4	56·1	54·0	69·6	0·9	0·4	·550	·437	95	97	S 4	S 1	3	0	—	⊅ *p.*
21	·66	·53	58·4	58·1	49·0	59·9	0·3	0·2	·479	·477	99	98	SE 4	SW 3	5	10	·027	
22	·63	·71	59·2	52·6	52·0	65·4	0·6	0·0	·485	·397	97	100	SW 3	SW 1	6	3	—	⊅ [2] *p.*
23	29·89	29·91	54·0	51·3	45·5	57·5	0·2	0·1	·412	·374	99	99	S 1	SW 1	10	3	—	⊅ [2] *p.*
24	30·02	30·08	57·8	57·0	44·0	66·4	0·5	0·2	·462	·459	96	99	SW 4	SW 3	4	10	—	⊅ [2] *p.*
25	·23	·32	58·5	46·6	46·5	64·4	0·7	0·2	·469	·313	96	99	NW 2	NW 0·5	8	0	·031	⊅ [2] *p.*
26	·22	·32	58·2	60·2	45·0	67·5	0·3	0·3	·475	·511	98	98	SW 2	NW 1	10	10	—	Overcast all day. ⊅ [2] *p.*
27	·29	·21	63·6	56·1	56·1	73·8	0·6	0·2	·566	·444	96	98	NW 2	NW 0·5	5	0	—	Very warm. ⊅ [2] *p.*
28	30·06	30·04	58·0	49·1	47·8	63·3	0·6	0·1	·465	·346	96	99	W 1	W 0·5	8	3	—	Overcast. ⊅ [2] *p.*
29	29·92	29·79	57·0	57·1	48·2	68·5	0·5	0·3	·449	·457	97	98	SW 2	SW 3	10	8	—	⊅ [2] *p.*
30	29·80	29·70	53·5	58·1	52·8	64·6	0·4	0·5	·399	·467	97	96	SW 4	SE 4	10	10	—	Overcast all day. ⊅ [2] *p.*
Mean	30·047	30·034	60·4	55·4	48·3	68·2	1·0	0·4	·493	·430	93·9	97·3		2·2		1·5	5·6	3·6	0·733	

CHURCHSTOKE.—SEPTEMBER 1890.

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	29·70	29·64	55·9	54·2	34·5	60·9	4·9	2·7	·315	·358	70	82	Calm 0	W 1	1	10	·012	⊅ *a.*
2	·58	·63	59·0	57·4	53·0	63·8	2·0	2·8	·436	·389	88	83	WSW 2	Calm 0	10	10	·020	
3	·62	·63	60·0	59·5	56·4	64·5	1·8	1·8	·459	·451	89	89	WNW 1	WNW 1	10	10	—	Dull and threatening.
4	·71	·76	59·6	57·5	56·2	66·0	2·6	1·1	·428	·439	84	93	W 1	Calm 0	10	8	·020	
5	·80	·79	59·6	62·6	56·3	72·1	0·9	1·7	·480	·507	94	89	Calm 0	Calm 0	10	10	·005	≋[0] (mist) *a.*
6	·82	·86	64·0	54·9	54·2	72·3	2·5	0·7	·507	·410	85	95	Calm 0	Calm 0	10	1	—	Overcast and warm. ≋ in valley *p.*
7	·89	·85	52·0	58·3	45·5	72·1	0·3	1·3	·379	·446	98	91	Calm 0	SW 1	10	0	—	≋ *a.* ⊅
8	·83	·77	64·6	55·9	46·7	76·0	7·8	1·7	·366	·397	60	89	SSE 1	SSE 1	0	0	—	⊅ [2] *a.* Clear, bright and hot. ⊅ *p.*
9	·74	·69	61·3	55·6	44·8	74·2	5·2	1·2	·381	·407	71	92	Calm 0	NW 1	1	1	—	⊅ *a.* Clear, bright, and hot.
10	·65	·65	57·7	49·5	49·0	66·0	1·4	1·2	·433	·323	91	92	Calm 0	NW 1	10	1	—	≋ *a.* House martins congregating.
11	·60	·72	59·7	56·9	43·0	65·6	3·8	3·5	·397	·362	77	78	NW 2	Calm 0	5	3	—	Bright and fresh *a.* ⊅
12	·74	·70	55·4	50·1	49·0	66·4	3·0	0·9	·355	·338	81	93	Calm 0	NW 1	10	0	—	⊅ *a.*
13	·64	·62	52·1	51·1	44·8	68·1	0·4	0·6	·378	·360	97	96	Calm 0	SW 1	10	0	—	≋[0] (mist) *a.* Bright day.
14	·63	·56	58·8	48·9	46·0	66·9	3·8	0·7	·382	·328	77	95	SE 2	SE 1	8	0	—	⊅ *a.* Haze on hills. Bright and warm.
15	·48	·42	58·0	53·5	44·1	70·9	3·2	3·3	·386	·325	80	78	SE 3	Calm 0	5	0	—	⊅ *a.* Bright, with cool wind.
16	·40	·29	60·0	58·8	43·0	72·1	5·0	3·6	·369	·388	71	78	NNW 2	SE 2	6	4	—	⊅ *a.* ∞
17	·31	·24	55·9	58·5	43·0	72·0	1·9	1·3	·391	·449	88	91	SE 2	S 1	8	10	·341	∞. Cool wind. ● [2] 11.30 *p.*
18	·28	·34	57·5	52·9	51·6	65·0	1·5	0·9	·427	·375	90	94	WSW 1	Calm 0	5	9	—	Sounds at a distance well heard.
19	29·27	29·16	58·2	55·6	47·0	64·9	3·0	3·6	·396	·343	81	77	SSE 2	SE 3	5	10	·134	● *a.* and *n.*
20	28·91	28·96	55·4	51·9	51·5	61·3	3·9	1·7	·331	·342	76	88	S 3	S 4	10	10	·128	⊅ *a.* Stormy. [⊅
21	28·99	28·98	56·6	52·7	51·0	63·1	2·8	1·3	·377	·362	82	91	SW 3	S 2	10	10	·005	Breezy and fresh. Stormy sunset with
22	29·02	29·20	56·3	47·4	46·6	64·8	2·9	0·9	·370	·305	81	94	SW 2	Calm 0	6	0	·007	Bright early *a.* ⊅ *p.*
23	·34	·45	53·9	50·5	45·3	62·7	1·7	1·5	·367	·328	88	89	Calm 0	Calm 0	9	8	·024	⊅ *a.*
24	·53	·63	56·9	55·5	50·0	62·3	3·3	1·5	·367	·397	80	90	W 3	W 1	8	9	·112	Breezy and fresh. ● showers *p.*
25	·80	·86	55·9	51·1	48·0	59·9	4·1	2·9	·334	·302	75	80	Calm 0	W 2	5	3	—	⊅ *a.*
26	·78	·88	59·0	60·7	50·5	62·2	2·0	1·6	·430	·477	88	91	W 4	W 2	9	10	—	Breezy and warm.
27	·85	·96	64·6	52·9	52·0	69·7	4·1	0·9	·467	·375	78	94	W 2	NW 1	1	8	—	⊅ *a.* Lovely day.
28	·63	·53	56·9	56·9	45·4	61·9	2·4	2·1	·393	·401	85	87	W 1	W 2	10	9	—	⊅ [2] *a*
29	·46	·37	58·5	54·4	53·0	64·3	3·1	3·2	·397	·336	80	79	N 2	W 4	8	4	—	
30	29·30	29·15	57·2	56·2	53·0	61·9	4·0	3·0	·355	·366	75	81	W 4	W 5	9	4	·032	Breezy and fresh. ● *n.*
Mean	29·542	29·535	58·0	54·7	48·5	66·5	3·0	1·8	·395	·379	82·0	88·0		1·4		1·3	7·3	5·4	0·840	

CARMARTHEN.—SEPTEMBER 1890.

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	30·08	30·04	59·3	55·1	37·5	62·5	4·7	0·2	·366	·428	72	98	Calm 0	SW 1	7	10	·190	
2	·01	·01	59·2	58·0	54·9	63·8	0·9	0·7	·473	·461	95	95	SW 1	SW 1	10	10	·050	Overcast. ● 2 showers.
3	·01	·07	59·6	58·0	57·3	63·2	0·8	0·8	·483	·457	95	94	SW 1	SW 1	10	10	—	Dull day.
4	·12	·16	60·3	57·4	56·0	63·6	3·0	1·1	·428	·437	82	93	W 1	SW 1	10	8	—	Dull day.
5	·18	·16	60·2	60·5	56·6	67·4	1·9	0·5	·459	·511	89	97	W 1	Calm 0	10	10	—	Dull day. ≋ 9p.
6	·20	·18	64·3	61·8	59·4	74·4	2·0	2·1	·529	·479	88	87	N 1	Calm 0	10	8	—	Fine day.
7	·21	·20	65·8	58·8	53·6	74·0	4·5	1·5	·477	·449	76	91	Calm 0	Calm 0	6	0	—	∞ all day.
8	·18	·15	68·1	58·4	49·6	72·5	7·3	2·2	·434	·421	63	86	Calm 0	Calm 0	0	0	—	Fine day.
9	·11	·00	57·8	50·0	45·7	70·2	1·4	1·3	·434	·327	91	91	Calm 0	Calm 0	10	0	—	≋ 9a. Fine day.
10	·00	·01	66·8	51·5	45·7	71·4	5·7	2·3	·457	·321	70	84	Calm 0	Calm 0	4	0	—	Fine day.
11	·02	·06	60·5	53·6	41·4	67·2	4·6	0·4	·386	·378	74	92	Calm 0	Calm 0	3	0	—	Fine day.
12	30·09	30·01	60·0	55·5	47·6	69·7	3·5	1·1	·410	·407	79	93	N 1	Calm 0	9	0	—	Fine day.
13	29·98	29·95	66·3	57·1	48·9	71·2	6·5	2·2	·425	·401	66	85	E 1	Calm 0	0	0	—	Fine day.
14	·97	·89	65·5	55·7	51·6	68·2	5·7	4·0	·434	·334	70	75	SE 4	SE 2	1	0	—	∞ a. Fine day.
15	·78	·77	65·8	58·8	53·6	70·8	7·1	2·9	·401	·406	65	82	SE 3	S 1	0	8	—	Fine day.
16	·75	·64	59·5	54·7	54·1	68·0	2·5	0·8	·430	·404	86	95	SW 2	Calm 0	9	9	—	
17	·64	·55	59·3	57·5	53·9	66·5	2·3	0·7	·431	·453	86	96	E 1	Calm 0	10	10	·480	● from 1p.
18	·66	·67	61·8	51·7	50·4	68·2	3·0	1·1	·453	·355	83	92	Calm 0	Calm 0	5	0	·050	
19	·61	·41	61·6	57·8	50·4	65·7	4·4	2·9	·410	·393	75	82	SE 3	E 5	7	10	·470	
20	·22	·22	60·0	56·7	52·8	63·2	3·6	3·8	·407	·353	78	76	S 4	S 7	7	8	·070	Stormy, with ● showers.
21	·30	·31	58·8	54·9	54·3	63·0	4·9	1·5	·355	·386	72	91	S 6	SW 2	8	9	·410	● showers.
22	·39	·56	58·8	50·2	49·0	64·5	1·8	0·5	·439	·351	89	97	SW 3	W 1	8	10	·070	● 2 showers.
23	·71	29·81	56·5	54·0	49·5	64·7	2·4	1·3	·386	·379	85	91	N 1	Calm 0	8	10	·060	● showers.
24	29·93	30·02	58·8	57·1	52·8	61·2	2·4	0·6	·421	·449	85	96	SW 2	Calm 0	10	8	·060	● showers.
25	30·19	·25	59·6	52·9	52·4	63·2	4·2	1·3	·384	·365	75	91	W 1	N 1	8	8	—	Fine day.
26	·27	·29	58·8	58·8	52·3	63·5	1·3	0·3	·454	·485	92	98	NW 2	Calm 0	10	10	—	
27	·25	30·14	63·8	54·3	53·8	69·5	1·7	0·0	·531	·422	90	100	SW 1	SW 1	6	10	—	≋ from 5p.
28	30·04	29·94	57·3	55·7	52·7	62·2	1·6	1·3	·422	·406	89	92	SW 1	SW 1	10	9	·030	Dull day.
29	29·88	·76	60·4	54·7	54·3	62·2	1·3	0·5	·480	·413	93	96	W 2	SW 1	7	9	·040	Frequent ● showers.
30	29·71	29·58	58·4	56·7	51·3	60·7	4·0	1·3	·371	·421	76	92	SW 4	SW 6	10	10	·230	Frequent ● showers.
Mean	29·916	29·892	61·1	55·9	51·5	66·5	3·4	1·4	·432	·408	81·0	90·9		1·6		1·1	7·1	6·5	2·210	

MARGATE.—SEPTEMBER 1890.

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	30·25	56·0	51·1	49·8	58·5	5·6	2·5	·301	·311	67	83	N 1	N 1	0	4	—	Fine day.
2	·21	·18	60·2	57·0	49·7	65·0	4·6	1·8	·382	·412	73	88	W 2	W 1	2	10	—	Fine and warm.
3	·16	·16	61·0	61·0	55·1	68·1	3·4	1·0	·427	·501	80	94	W 1	W 2	10	10	·010	
4	·20	·25	61·0	62·0	58·0	63·7	2·0	1·8	·470	·492	88	89	SW 2	Calm 0	3	10	·010	
5	·27	·26	64·0	61·0	59·0	67·4	2·8	1·8	·496	·475	83	89	S 1	Calm 0	2	0	—	Hot day.
6	·28	·31	63·0	60·0	57·8	69·4	3·3	1·4	·462	·472	81	92	SW 1	W 1	0	0	—	Fine day.
7	·37	·39	60·0	55·4	55·0	62·3	3·3	1·6	·415	·391	80	90	SE 2	SE 2	10	0	—	
8	·37	·32	60·0	54·3	49·1	64·1	3·6	1·2	·407	·386	78	92	Calm 0	E 1	6	0	—	Beautiful sunset.
9	·28	·17	57·9	57·2	51·7	70·0	0·9	1·8	·453	·415	94	88	E 1	E 1	10	0	—	Fine day. ≋
10	·12	·06	65·4	60·4	53·3	74·0	4·7	1·9	·462	·462	75	89	Calm 0	E 2	0	0	—	☂ 2.
11	·09	·12	60·4	62·8	54·8	69·3	5·7	4·8	·357	·416	68	73	SE 1	E 2	1	0	—	Fine day.
12	·19	·17	60·6	54·0	53·1	62·8	4·6	1·4	·388	·377	74	90	E 1	E 1	2	0	—	Fine day.
13	·17	·16	60·0	57·0	50·0	63·0	3·1	2·1	·421	·403	81	86	WNW 1	W 1	10	0	—	Fine day.
14	·20	30·12	61·7	59·3	54·9	63·0	4·5	1·3	·409	·462	74	92	E 1	E 2	2	0	—	Fine day.
15	30·06	29·98	63·6	62·0	54·1	65·0	6·6	3·3	·381	·446	65	81	E 1	E 2	0	0	—	Fine day.
16	29·96	·88	63·6	61·0	56·3	66·0	5·8	2·8	·401	·446	69	83	E 1	E 2	0	0	—	Fine day.
17	·87	·83	61·6	63·0	55·1	66·0	4·6	2·8	·404	·479	74	83	SE 2	Calm 0	4	2	·060	Fine day. ℞ 0.
18	·84	·92	65·3	54·1	54·0	67·6	3·5	0·9	·498	·393	80	93	S 3	Calm 0	8	10	·280	Fine day. ● 2 in evening.
19	·87	·78	60·6	58·8	52·1	65·3	2·9	1·8	·436	·439	83	89	SW 1	S 1	6	0	·130	Fine and warm.
20	·62	·69	61·2	60·2	58·2	66·1	2·2	4·2	·467	·393	87	75	S 4	SSW 4	10	0	—	℞ 6 before 9a. Windy and cooler but
21	·71	·56	60·8	60·8	58·0	66·0	4·6	0·8	·391	·505	74	95	S 4	W 1	6	10	·160	[sunny. Fine a. ● p.
22	·67	·77	60·8	57·0	54·4	64·4	4·4	2·1	·397	·403	75	86	SSW 3	Calm 0	8	10	—	Fine a.
23	29·85	29·97	61·8	53·5	52·2	64·2	3·1	1·5	·449	·367	82	89	SSW 2	SW 2	8	4	·040	
24	30·13	30·21	59·0	59·0	50·1	65·1	4·0	2·0	·379	·436	76	88	SW 3	SW 3	4	0	—	☂ 9p.
25	·27	·39	60·2	57·0	52·8	64·6	2·9	1·2	·428	·428	83	92	SW 2	Calm 0	10	10	—	Fine day.
26	·34	·34	58·1	60·7	49·1	66·0	2·5	1·7	·409	·473	84	90	SW 3	SW 2	10	10	—	Fine day.
27	·35	·26	60·0	58·2	57·7	69·1	0·7	0·2	·494	·479	96	99	SW 1	Calm 0	10	3	—	Dull day.
28	·15	30·05	60·0	57·0	56·4	69·8	0·3	0·8	·507	·441	98	94	SW 1	SW 2	10	0	—	Dull a. Fine p. ☂ p. ≋
29	30·03	29·94	58·0	57·0	53·3	62·9	3·0	2·9	·393	·381	81	82	SW 2	SW 3	7	10	—	≋ a. Very fine day. ☂ p.
30	29·92	29·81	59·7	57·0	54·6	59·7	3·7	2·0	·400	·406	78	87	SW 3	SW 4	8	10	—	Dull and cooler.
Mean	30·093	30·077	60·9	58·3	54·0	65·6	3·6	1·9	·423	·430	79·4	88·0		1·7		1·4	5·6	3·8	0·690	Sunny and windy.

SOUTHAMPTON.—SEPTEMBER 1890.

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	30·26	30·23	59·5	54·0	39·0	66·1	4·6	1·6	·372	·371	73	89	SW 1	SW 1·5	2	3	—	☂ 2 early a. Beautiful day.
2	·20	·18	58·0	58·5	46·9	63·6	2·1	1·7	·418	·438	86	89	SW 1·5	WSW 1	10	10	—	☂ a. Fine and pleasant.
3	·18	·18	59·8	60·8	54·9	67·5	1·9	1·8	·454	·473	88	89	SW 1	NW 1	10	10	—	
4	·25	·28	60·6	56·9	56·0	71·8	1·9	1·3	·467	·424	88	92	NW 1	W 1	10	0	—	Dull a. Beautiful p. ☂ n.
5	·30	·29	66·5	61·3	51·9	77·7	3·7	1·1	·515	·505	79	93	NW 1	WSW 1	0	0	—	Beautifully fine and warm. ☂ a. and [p.
6	·31	·32	62·3	62·7	51·7	74·3	1·3	1·2	·516	·528	92	93	NW 0·5	NNE 1	10	0	—	Very warm and close. ☂ n.
7	·39	·37	58·7	58·1	54·2	72·5	2·0	1·4	·432	·441	87	90	ESE 2	WNW 1·5	10	0	—	☂ a. and p. Beautiful day.
8	·37	·30	65·0	55·1	50·4	68·1	5·4	1·1	·435	·402	71	92	SE 3	SE 1	3	0	—	☂ a. and p. Beautiful day. [from 10a.
9	·28	·17	58·9	57·0	52·2	73·1	0·8	1·3	·472	·425	96	91	SE 1	SE 0·5	10	0	—	≋ early a. ☂ a. and p. Beautiful
10	·13	·10	66·5	61·2	47·6	78·2	5·0	2·4	·474	·462	73	86	SE 0·5	NE 1·5	0	0	—	☂ a. and p. Beautiful day throughout.
11	·15	·17	63·3	59·2	52·1	74·9	5·9	3·0	·395	·411	68	82	NW 1	NE 1·5	1	1	—	☂ a. and p. Beautiful day throughout.
12	·21	·17	62·4	56·0	50·0	70·7	4·9	1·0	·408	·419	73	93	NW 1	S 1	0	0	—	Beautiful day throughout. ☂ n.
13	·16	·14	63·0	55·8	46·4	69·5	4·9	2·0	·417	·389	73	87	S 1	E 1	0	0	—	☂ a. and p. ≋ 9 a. Beautiful day.
14	30·16	30·08	63·9	54·1	50·1	67·6	5·4	2·5	·419	·349	70	83	SE 2·5	NE 1	2	0	—	☂ a. and p. Beautiful day.
15	29·99	29·95	64·7	54·1	51·7	70·3	5·7	1·7	·422	·370	69	88	SE 3	SE 1	0	0	—	Beautiful day, pleasant breeze. ☂ n.
16	·91	·84	62·9	57·9	46·4	71·2	3·9	1·6	·444	·431	77	90	S 2	SE 1	0	0	—	☂ 2 a. Beautiful day. ☂ n.
17	·83	·78	62·7	60·4	49·9	68·8	2·1	2·4	·498	·447	88	86	SE 1	SE 3	5	9	—	
18	·81	·87	61·5	58·3	58·1	68·3	1·7	2·4	·489	·414	90	84	SW 1·5	SW 1·5	9	9	—	Beautiful day.
19	·82	·68	62·2	59·1	54·3	65·8	3·9	2·1	·433	·435	78	87	S 2	SE 3·5	7	10	·250	☂ 2 a. Beautiful day.
20	·53	·60	60·4	58·3	54·9	65·1	3·1	4·1	·427	·368	82	75	SW 4	SW 4·5	9	5	·260	℞ ● 2 5p.
21	·62	·51	60·9	55·8	55·6	63·0	4·4	0·5	·398	·431	75	96	S 4	S 1	7	10	·505	● 2 showers p.
22	·64	29·74	57·6	55·8	52·5	63·5	1·7	1·0	·424	·417	88	94	SW 3	SSW 1	10	10	·306	● 2 showers till 11a.
23	29·85	30·00	57·9	55·2	52·4	64·2	0·8	1·4	·455	·395	95	91	SE 1	SW 1·5	9	9	·010	● 2 early a.
24	30·15	·22	62·1	58·2	50·6	65·2	4·1	1·5	·426	·439	76	90	SW 2	SW 2	1	10	·005	Beautiful day.
25	·31	·43	63·4	52·4	52·4	68·3	3·7	1·6	·460	·351	79	90	W 1·5	W 0·5	2	3	—	Beautiful day. ☂ n.
26	·41	·41	59·8	59·5	48·8	66·6	2·3	1·1	·442	·473	86	93	W 3	WNW 2	10	10	—	Dull day.
27	·39	·29	62·1	59·9	58·1	72·8	1·1	0·4	·519	·503	93	98	NW 0·5	SW 1	10	10	—	Overcast a. Beautiful p. ☂ ≋ n.
28	·18	30·10	58·5	55·9	54·8	72·9	0·6	0·8	·471	·423	96	95	WSW 1	SW 1	10	0	—	☂ 2 n. and p. ≋ 2 (mist) noon—5p.
29	30·07	29·97	56·3	57·8	49·7	64·2	1·4	1·9	·412	·421	90	87	WNW 2	SW 2	10	10	—	☂ 2 n. and p. ≋ 2 (mist) a.
30	29·94	29·85	59·7	56·9	54·7	63·6	2·8	1·9	·425	·406	83	88	SW 3	SW 4	10	10	·010	Fine and pleasant till 5p.
Mean	30·093	30·073	61·4	57·5	51·6	69·0	3·1	1·7	·445	·425	82·1	89·4		1·8		1·5	5·9	4·6	1·346	

BABBACOMBE.—SEPTEMBER 1890.

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

1	30·01	29·99	60·0	53·0	41·2	65·4	5·5	1·1	·357	·371	69	92	SSW 1	SW 2	2	1	·020	☂ n. Fine day. ⊕ 6p. ☂ 2 p.
2	29·96	29·96	57·8	56·8	50·0	62·9	1·6	1·1	·430	·428	89	93	SW 3	W 1	10	10	—	Gloomy evening.
3	29·95	30·00	64·4	58·2	55·1	71·6	4·6	1·7	·449	·433	74	89	W 2	WSW 2	2	10	—	Dull p.
4	30·05	·08	60·7	57·9	56·1	67·8	2·9	1·9	·437	·422	83	88	NW 1	WNW 1	9	4	—	
5	·07	·05	65·8	62·9	55·0	69·1	4·8	1·9	·467	·507	74	89	NE 1	NW 2	9	7	—	≋ 9 (mist) p.
6	·08	·08	62·0	62·1	56·9	72·8	1·2	1·2	·514	·516	93	92	NE 1	WNW 1	9	1	—	☂ 2 n. ≋ 9 (mist). ☂ p.
7	·12	·10	62·1	58·0	57·9	66·5	1·3	1·0	·512	·451	92	93	ENE 2	ENE 2	6	0	—	☂ 2 n. and p. ≋ 2 (mist) noon—5p.
8	·11	30·04	59·8	56·8	56·8	64·4	1·1	1·3	·477	·422	93	92	E 2	E 2	10	0	—	
9	30·02	29·93	62·0	54·8	54·2	66·7	2·2	0·2	·480	·424	87	98	ENE 1	ENE 1	3	5	·010	☂ 2 n. and p. ≋ 2 (mist) a.
10	29·89	·88	58·7	58·6	49·4	69·7	1·2	1·8	·456	·436	93	89	NE 1	NW 3	7	2	—	☂ 2 n. and p. ≋ ⊕ 9 p. Fine day.
11	·93	·94	64·0	56·8	52·0	72·9	6·1	2·6	·400	·385	67	83	NE 1	N 2	1	0	—	☂ 2 n. and p. ≋ (mist) till 7p. ☂ p.
12	·97	·92	62·1	57·1	51·0	67·8	4·9	1·1	·403	·433	72	92	ENE 2	E 1	0	0	—	☂ n. Fine day. ☂ 2 a.
13	·88	·87	64·5	57·8	56·4	66·6	3·5	2·0	·483	·418	80	87	SE 2	ESE 3	1	1	—	☂ n. Fine day. ☂ 2 ≋ 9 (mist) p.
14	·88	·79	62·1	58·7	55·4	64·1	3·0	2·0	·457	·431	82	87	ESE 3	E 3	3	0	—	☂ 2 n. Fine day. ☂ p. ≋ 9 (mist).
15	·70	·70	64·4	55·3	55·3	67·4	5·5	0·5	·424	·422	70	97	SSE 3	WSW 1	0	0	—	☂ n. and p. Fine day. ≋ 9 and
16	·66	·59	58·2	54·9	48·9	66·7	1·1	0·9	·451	·404	93	94	S 1	S 1	9	2	—	≋ till 7a. ☂ 2 n. and p. [≋ 9 (mist)
17	·57	·48	60·1	59·3	54·3	61·7	0·9	0·3	·489	·494	94	98	SE 2	SSE 3	10	10	·180	Dull day. Scotch ≋ 9 p. ● 2 4p.
18	·59	·59	57·8	56·5	49·0	63·0	1·6	1·5	·430	·412	89	90	SW 2	SSE 2	5	1	—	☂ n. and p. ⊕ 9 9a.—5p. ☂ 9p.
19	·55	·36	62·0	58·8	50·8	64·3	4·0	1·8	·427	·439	77	89	S 3	SSE 4	5	10	·210	☂ n. ● showers. Dull p. ⊕ 9 1p.
20	·21	·26	59·0	56·0	52·2	62·4	4·8	2·9	·360	·366	72	82	S 6	SSW 7	1	3	·100	● showers. Squally 𝒻 p.
21	·30	·27	58·0	53·1	53·1	61·3	3·2	1·0	·386	·375	80	93	S 4	SW 1	9	8	·020	● showers n. and a. ☂ p. Dull
22	·36	·50	57·9	52·4	51·2	63·1	2·1	0·6	·416	·377	87	96	SSW 4	WNW 1	8	7	·100	[day. ● showers. ☂ p.
23	·62	·78	56·6	52·5	45·4	61·9	1·8	1·5	·404	·355	88	89	NW 1	SW 2	9	10	·100	☂ n. ● showers. ● 2 1p.
24	29·91	29·98	58·3	57·4	52·2	62·8	3·3	0·7	·388	·451	79	96	WSW 3	WSW 3	9	10	·010	Dull n. and p. ● showers till 11a.
25	30·10	30·21	60·8	52·0	51·0	63·8	3·3	2·0	·427	·335	81	86	WNW 1	WSW 1	7	6	—	☂ n. and p. ⊕ a.
26	·20	·21	59·0	55·1	50·4	69·6	2·2	0·9	·446	·407	87	93	WSW 2	WSW 1	9	2	—	☂ 2 p. ☂ 9p. ≋ 9 (mist).
27	30·15	30·06	68·4	56·1	54·1	72·5	4·2	0·5	·535	·434	77	96	NW 2	WNW 1	1	3	·010	☂ 2 n. and p. Fine day. ≋ and ≋ 9
28	29·95	29·87	56·8	52·9	51·9	68·3	0·4	1·1	·449	·370	97	93	WSW 1	NW 2	9	0	—	☂ 2 n. and p. ≋ n. and a. [(mist) p.
29	·84	·75	56·8	55·5	47·4	59·6	2·0	1·7	·403	·391	87	89	WSW 2	SW 4	10	9	—	☂ 2 in past n. Dull day.
30	29·71	29·61	58·0	55·8	54·8	60·5	1·5	0·9	·436	·419	90	94	WSW 4	WSW 5	9	10	·030	● 9 showers. Dull p.
Mean	29·845	29·827	60·6	56·4	52·3	65·9	2·9	1·3	·440	·418	83·2	91·3		2·1		2·2	6·1	4·4	0·790	

LONDONDERRY.—SEPTEMBER 1890.

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	29·97	29·91	55·7	57·8	50·0	64·5	1·3	0·6	·406	·460	91	95	SW 2	SW 1	10	10	·460	● showers.
2	·94	29·03	58·9	59·9	54·0	64·0	1·2	1·2	·460	·477	93	93	SE 2	SW 3	10	10	·150	● showers.
3	29·96	30·04	61·8	59·7	58·0	64·3	1·8	1·5	·490	·464	89	91	SE 4	SW 5	10	10	·320	● at night.
4	30·12	·23	58·7	55·2	54·0	62·2	0·8	0·6	·468	·418	95	96	SW 2	SW 2	10	7	—	
5	·22	·27	57·7	59·7	47·0	65·5	1·6	1·1	·428	·477	90	94	SE 2	SW 2	10	6	—	Fine day.
6	·37	·35	58·7	53·7	52·0	71·0	3·0	1·8	·403	·361	82	87	SE 2	SW 2	7	0	—	Fine day.
7	·32	·26	56·9	63·7	50·0	75·5	1·4	2·7	·421	·496	91	84	SW 2	SW 2	0	10	—	Fine day.
8	·17	·11	63·7	63·0	57·0	73·5	5·0	2·8	·426	·480	73	83	SE 3	SE 2	2	10	—	Fine day.
9	·18	·20	59·7	50·2	49·0	64·0	3·0	1·5	·419	·325	82	90	SW 2	SW 2	10	9	—	
10	·15	·07	53·1	55·7	43·0	60·5	2·2	2·5	·344	·373	84	84	SW 2	SW 2	5	10	·030	● at night.
11	·13	·20	55·7	55·7	55·0	60·0	1·2	0·4	·409	·434	92	97	SW 2	SW 2	10	10	·020	
12	·21	30·12	55·0	51·7	51·0	68·0	1·8	0·8	·381	·362	88	94	SE 2	SW 2	10	0	—	Fine day.
13	·03	29·99	57·7	61·2	46·5	71·0	2·5	1·0	·403	·507	84	94	SE 2	SE 2	10	10	—	
14	30·03	·94	60·7	59·7	57·0	67·6	1·3	0·5	·488	·497	92	97	S 2	S 2	10	10	—	
15	29·79	·70	58·9	58·7	53·0	66·7	2·5	4·0	·420	·376	85	77	SE 3	SE 3	8	0	—	Fine day.
16	·66	·60	62·7	57·7	55·0	69·7	7·0	3·0	·357	·389	63	82	SE 3	S 4	4	4	·050	
17	·68	·65	55·0	55·7	49·0	65·7	3·3	1·0	·342	·415	79	93	SE 2	S 2	3	10	1·120	● from 7p.
18	·69	·79	56·2	50·7	50·0	63·0	1·5	0·7	·408	·352	90	95	SW 2	SW 2	6	0	·130	● till 3a. ● showers during day.
19	·72	·55	55·7	52·7	46·2	64·6	1·7	1·2	·395	·365	89	92	E 2	N 1	9	0	—	Fine day.
20	·34	·19	55·7	53·9	51·9	60·6	1·8	1·7	·392	·367	88	88	SW 2	S 1	10	10	·200	● showers.
21	·10	·17	57·9	56·2	53·0	63·0	3·2	1·5	·386	·408	81	90	SW 3	SW 2	10	10	·280	● showers.
22	·27	·68	56·7	52·4	51·0	58·0	1·4	1·7	·418	·348	91	88	SE 3	SE 2	10	10	·920	
23	·80	29·77	54·6	53·7	46·8	60·2	1·7	1·7	·377	·364	88	88	SE 2	S 2	10	10	·080	● at times during day.
24	29·80	30·06	55·0	50·7	49·0	60·8	0·8	2·0	·409	·319	94	86	SE 2	WNW 2	8	1	·050	● at times.
25	30·24	·08	52·7	58·6	45·5	58·9	1·5	1·1	·356	·458	89	93	S 2	S 4	10	10	·020	● at times during day.
26	·16	·25	51·7	59·8	47·7	63·1	2·0	1·1	·332	·478	86	93	SW 2	SW 3	10	10	·010	
27	·22	30·10	59·3	57·1	56·0	61·3	1·1	1·8	·470	·413	93	88	SW 2	S 5	10	10	·130	
28	30·03	29·95	55·7	50·7	49·3	60·8	2·0	1·0	·387	·345	87	93	SW 2	SW 2	10	9	—	
29	29·72	·70	55·1	50·0	49·6	57·8	2·7	1·6	·358	·319	82	89	SW 4	SW 2	10	10	·630	● from noon.
30	29·46	29·29	54·7	55·2	46·0	60·0	0·7	2·0	·408	·379	95	87	SW 2	SW 2	10	10	·800	● showers.
Mean	29·915	29·905	57·1	56·0	50·8	64·2	2·1	1·5	·405	·408	86·0	90·0	2·3	2·3	8·4	7·5	5·400	

ARMAGH.—SEPTEMBER 1890.

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	29·91	29·83	52·2	58·0	48·8	62·6	0·2	0·4	·385	·470	99	97	SSW 1	SW 1	10	10	·200	Overcast all day.
2	·83	·85	59·3	59·8	57·0	66·3	0·4	0·9	·493	·486	97	94	SW 1	SW 2	10	10	·227	
3	29·87	29·92	60·9	58·9	58·3	67·5	1·3	0·2	·491	·492	93	99	SW 2	SW 2	10	10	·234	
4	30·00	30·10	60·6	57·7	57·0	65·6	0·6	0·1	·509	·473	96	99	SW 1	W 0·5	10	10	·005	
5	·10	·14	60·0	59·1	50·1	66·0	1·4	1·6	·472	·451	92	90	SW 1	W 1	10	10	·009	
6	·25	·21	57·7	55·6	51·9	68·2	2·1	0·4	·414	·431	87	97	W 0·5	Calm 0	9	0	—	
7	·19	·15	61·6	61·4	46·4	73·3	3·0	0·4	·451	·530	83	98	W 0·5	SSE 2	0	3	—	
8	·09	·01	62·5	59·7	53·3	73·5	1·6	0·7	·510	·489	90	96	S 1	S 2	3	6	—	
9	·05	30·06	62·6	53·8	53·7	64·6	1·6	0·7	·514	·395	90	95	SW 0·5	Calm 0	10	10	—	
10	·03	29·96	56·2	54·0	45·0	64·0	1·3	1·3	·413	·380	91	91	SW 0·5	WSW 1	9	10	—	
11	·02	30·08	57·9	56·2	53·1	64·5	1·3	0·5	·441	·437	92	97	NW 1	NW 0·5	10	9	—	
12	30·08	30·00	55·2	49·8	48·8	66·2	2·2	0·2	·373	·353	86	98	WSW 0·5	Calm 0	10	0	—	
13	29·91	29·88	59·9	59·9	42·2	66·3	2·3	2·1	·443	·449	87	88	SSE 3	S 3	8	7	—	
14	·93	·84	59·2	58·0	55·0	64·6	3·0	2·1	·411	·418	82	86	S 3	S 1	10	8	—	
15	·68	·61	59·7	56·9	51·1	65·1	3·7	2·3	·399	·395	78	86	SSE 4	S 4	8	0	—	
16	·60	·50	60·0	57·0	54·9	64·8	3·7	2·2	·403	·399	78	86	SSE 3	SSE 4	8	8	·127	
17	·57	·49	57·8	55·4	51·3	62·7	4·7	0·2	·347	·433	73	98	S 1	ESE 1	7	10	·160	
18	·60	·65	56·4	51·7	51·0	63·5	2·2	1·5	·391	·344	86	89	SW 1	S 0·5	8	2	·003	
19	·55	·40	55·7	53·7	39·1	61·6	1·2	1·1	·410	·381	93	92	E 1	ENE 1	10	10	·088	
20	·17	·03	55·6	54·4	50·8	60·8	0·5	0·7	·428	·404	97	96	E 1	SE 4	10	10	·360	Overcast all day.
21	·02	·11	57·6	55·2	53·5	60·6	2·7	1·2	·396	·401	83	92	SSE 5	S 3	10	10	·362	Overcast all day.
22	·25	·36	54·7	52·0	51·3	57·6	1·6	1·8	·382	·340	90	87	SW 2	WNW 1	10	10	·047	Overcast all day.
23	·68	·68	56·6	53·2	46·0	58·5	2·6	1·2	·383	·371	83	92	WSW 1	SW 2	9	10	·025	
24	29·71	29·94	59·0	51·2	50·8	61·6	3·1	1·5	·404	·338	81	99	SW 3	SW 1	10	10	·010	
25	30·13	30·01	55·0	57·9	43·0	58·5	2·8	0·7	·354	·458	82	95	SSW 2	SW 3	10	10	—	
26	·06	·19	61·2	60·2	57·1	63·5	1·2	0·3	·500	·512	93	98	SW 2	SW 3	10	10	·028	Overcast all day.
27	30·12	30·02	60·7	55·6	54·2	64·5	1·7	1·6	·474	·396	90	89	SW 3	SW 2	10	9	·017	
28	29·89	29·84	59·6	49·4	49·3	64·4	1·7	1·4	·456	·317	89	90	SW 1	WSW 1	10	7	—	
29	·67	·59	55·4	52·1	47·0	57·6	3·0	0·2	·355	·384	81	98	SW 3	WNW 1	10	10	·545	
30	29·37	29·27	58·6	54·2	48·3	61·0	0·6	0·3	·473	·412	96	98	SSW 4	SSW 1	10	10	·602	
Mean	29·810	29·798	58·3	55·7	50·6	64·0	2·0	1·0	·429	·418	87·9	93·4	1·8	1·6	9·0	8·0	3·049	

MARKREE CASTLE (SLIGO).—SEPTEMBER 1890.

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.						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	29·95	29·89	57·9	58·4	50·0	64·0	0·7	0·8	·458	·464	95	95	SW 1	SSE 1	10	10	·140	Overcast all day.
2	·90	·91	60·1	60·0	57·2	66·9	0·8	1·0	·493	·485	95	94	SSW 1	S 1	10	10	·090	Overcast all day.
3	29·93	29·98	61·9	59·1	57·8	67·4	1·8	0·4	·492	·489	90	97	SW 2	S 1	10	10	·110	Overcast all day.
4	30·03	30·13	60·6	50·9	50·1	64·0	0·6	0·6	·509	·357	96	96	Calm 0	Calm 0	10	9	·010	≋ 9p.
5	·16	·21	58·9	57·6	47·3	67·0	0·2	0·3	·492	·466	99	98	SSE 0·5	Calm 0	10	10	·020	
6	·30	·26	56·1	55·3	52·1	67·9	0·6	0·8	·433	·414	96	95	Calm 0	Calm 0	10	1	—	≋ before 9a. Sunny afternoon.
7	·22	·17	60·6	60·0	48·2	72·7	4·3	1·7	·396	·463	76	90	SSE 2	S 1	2	3	—	
8	·12	·05	59·7	60·9	54·4	68·0	2·4	1·6	·436	·481	86	91	SSE 2	S 1	10	9	—	≋ before 9a.
9	·13	·15	59·2	46·4	46·0	61·8	2·2	1·0	·433	·292	87	93	NNW 1	Calm 0	9	7	—	
10	·11	·05	58·9	54·6	38·6	62·1	3·7	1·9	·387	·373	77	88	S 0·5	SSW 0·5	8	10	·080	
11	·10	·17	56·9	55·2	54·0	59·9	1·1	1·3	·430	·398	94	91	NNE 1	WNW 0·5	10	10	·010	Overcast all day.
12	30·14	30·03	55·2	52·4	51·3	65·0	2·9	0·7	·355	·374	82	95	SSE 0·5	Calm 0	10	5	—	
13	29·93	29·91	54·0	60·9	49·4	68·7	0·9	2·6	·391	·450	94	85	SE 3	SE 1	10	10	—	
14	·93	·85	60·0	58·5	56·9	62·6	2·2	1·5	·447	·443	87	90	SSE 2	SSE 2	10	10	·030	Overcast all day.
15	·66	·58	58·1	57·7	51·2	66·4	2·6	3·0	·406	·390	83	81	SSE 4	SSE 6	6	10	—	
16	·54	·43	60·1	57·8	55·7	65·0	3·5	2·0	·411	·418	80	87	SSE 6	SE 6	10	10	·180	
17	·58	·57	55·1	51·7	46·6	63·2	2·8	0·8	·356	·362	82	94	SSE 2	Calm 0	8	10	—	
18	·67	·71	55·8	46·4	44·6	62·0	1·6	0·3	·399	·308	89	98	Calm 0	Calm 0	9	9	·010	
19	·56	29·39	56·5	56·0	44·4	64·5	1·8	2·9	·404	·368	88	82	SE 2	SE 3	10	9	·110	
20	29·17	28·97	55·3	55·1	53·0	64·2	1·2	1·7	·402	·385	92	88	ESE 4	ESE 5	10	10	·370	
21	28·93	29·17	55·2	54·7	54·1	58·5	1·0	0·8	·407	·406	93	95	SSE 5	NNW 2	10	10	·840	Overcast all day.
22	29·36	·67	54·0	51·9	49·0	54·8	0·9	2·2	·391	·329	94	86	NNW 3	NW 0·5	10	10	·120	Overcast all day.
23	·75	29·74	57·0	53·4	49·0	59·1	1·9	0·9	·411	·383	88	94	SW 1	SE 1	10	10	·070	Overcast all day.
24	29·77	30·03	57·8	48·0	46·7	61·5	1·7	0·7	·427	·317	89	95	SW 1	Calm 0	10	5	·040	
25	30·20	·11	54·6	59·2	43·0	59·3	2·3	1·7	·361	·449	85	90	SW 1	SW 3	9	10	·010	
26	·18	·25	60·1	59·3	58·4	62·5	0·4	0·3	·506	·495	97	98	SSW 0·5	SSW 1	10	10	—	Overcast all day.
27	30·21	30·10	59·4	54·9	54·0	66·0	1·3	1·4	·464	·391	93	92	SW 2	SSE 0·5	10	10	·070	
28	29·98	29·93	55·8	48·3	47·8	60·2	0·9	0·9	·420	·316	94	94	NW 0·5	Calm 0	10	8	—	
29	·73	·68	55·2	51·8	45·9	57·9	2·6	0·6	·363	·370	84	95	SW 2	Calm 0	10	10	·730	
30	29·45	29·26	58·9	56·0	49·4	60·8	0·5	0·8	·481	·425	97	94	SSW 2	SSW 1	10	10	·610	Overcast all day.
Mean	29·856	29·846	57·6	55·1	50·2	63·5	1·7	1·2	·425	·402	89·4	92·0	1·8	1·3	9·4	8·8	3·650	

DUBLIN (PHŒNIX PARK).—SEPTEMBER 1890.

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	30·03	29·95	56·1	58·4	44·9	62·1	5·5	2·1	·307	·424	68	87	SW 1	SW 1	9	9	·085	Dull and cloudy
2	29·94	29·96	60·1	60·9	56·6	66·8	2·8	2·4	·431	·456	83	86	SW 1	SW 1	9	2	·005	Dull *a*.
3	29·99	30·03	61·2	61·9	59·3	69·4	2·5	3·0	·459	·456	85	82	SW 1	SW 1	9	6	·170	
4	30·07	·16	63·7	60·3	57·1	65·8	3·6	0·6	·468	·503	79	96	WSW 2	Calm 0	5	2	·040	Cloudy *a*. Dull, with ● 0 *p*.
5	·18	·19	62·7	64·3	58·5	68·2	1·6	1·8	·514	·538	91	89	Calm 0	Calm 0	9	6	—	Dull and cloudy.
6	·30	·27	59·2	53·2	50·7	66·0	2·7	0·8	·420	·383	84	95	Calm 0	Calm 0	9	1	—	Cloudy *a*. Bright *p*. ≋ 0 *p*.
7	·26	·23	63·9	54·8	47·1	73·6	4·8	0·6	·435	·412	73	95	Calm 0	Calm 0	2	1	—	≋ 9 *a*. and *p*. Beautiful day.
8	·17	·11	62·4	60·7	49·7	71·8	3·3	2·4	·454	·453	81	86	Calm 0	Calm 0	0	2	—	≋ 9 *a*. Beautiful day.
9	·14	·09	61·9	58·3	55·7	64·4	2·7	1·9	·464	·429	84	87	SW 1	Calm 0	10	6	·010	Dull and cloudy. ● 0 shower *p*.
10	·12	·04	56·3	55·0	50·2	64·6	5·5	2·4	·309	·365	68	85	Calm 0	W 1	1	6	—	Bright *a*. Cloudy *p*.
11	·07	·15	58·3	57·5	52·7	63·1	2·3	2·3	·417	·405	85	85	W 1	Calm 0	9	8	—	
12	30·15	30·10	57·3	53·0	52·5	63·8	3·7	1·6	·364	·358	78	89	Calm 0	Calm 0	9	0	—	Cloudy *a*. Bright *p*.
13	29·97	29·94	62·2	59·7	51·1	69·5	3·7	3·0	·439	·419	79	82	Calm 0	SSE 1	1	1	—	Beautiful day.
14	·08	·89	58·9	53·2	51·6	66·1	3·3	1·2	·398	·371	80	92	SE 1	Calm 0	4	0	—	Beautiful day. < in W. 11*p*.
15	·74	·72	61·0	57·5	49·7	63·8	4·3	3·4	·402	·375	76	79	S 2	E 1	2	1	—	
16	·65	·60	62·9	58·7	54·7	66·4	6·4	3·8	·376	·381	66	77	S 3	SSE 2	2	8	·075	Bright, with squally ⁄ *a*. Cloudy *p*.
17	·63	·53	56·3	56·9	52·1	59·4	2·5	1·3	·382	·424	84	92	Calm 0	Calm 0	10	9	·460	Dull, with ● 2.
18	·68	·70	54·9	51·8	50·3	63·0	1·8	0·6	·379	·370	89	95	Calm 0	Calm 0	9	1	·020	Beautiful day. ≋ 0 *p*.
19	·59	·44	58·4	57·2	39·7	63·5	2·6	3·4	·410	·370	84	79	SE 1	SE 2	8	2	·220	≋ 0 till 4*a*. Cloudy *a*. ● 2 *p*.
20	·19	·06	58·3	55·6	52·7	59·5	1·9	1·0	·429	·414	87	93	SE 1	SE 3	7	9	·370	Cloudy, with ● 2 showers. ⁄ *p*.
21	·12	·25	56·3	55·4	54·1	63·6	1·9	2·6	·398	·366	87	84	S 3	SSW 2	9	2	·935	Squally ⁄ ● 2 *a*. Cloudy day.
22	·36	·65	55·5	52·0	51·1	60·0	2·5	1·7	·370	·343	84	88	SW 1	W 1	9	5	·010	Cloudy, with ● 0 showers.
23	·75	29·79	55·4	53·8	44·9	60·1	2·6	1·4	·366	·375	84	90	WSW 1	Calm 0	7	8	·010	Cloudy day. ● 0 showers *p*.
24	29·82	30·02	60·7	53·6	52·7	64·4	4·3	1·0	·398	·383	75	93	SW 2	Calm 0	6	6	·050	Cloudy day. ● 2 showers *p*.
25	30·22	·15	54·0	58·2	47·7	60·2	2·4	3·3	·350	·387	84	80	Calm 0	SW 2	8	8	—	
26	·19	·29	61·7	60·1	57·2	63·8	2·2	0·9	·477	·490	87	94	WSW 2	WSW 1	9	9	—	Dull and cloudy.
27	·24	30·14	61·8	55·4	54·6	68·8	3·0	1·4	·454	·398	83	91	WSW 2	Calm 0	3	8	—	Bright *p*.
28	30·00	29·92	57·3	55·2	53·5	62·6	2·3	1·8	·401	·384	85	88	WSW 1	Calm 0	8	9	·030	Cloudy, with ● 6 showers.
29	29·83	·70	54·4	55·1	47·4	59·8	3·6	2·3	·326	·369	77	85	SW 2	WSW 1	8	7	·025	
30	29·55	29·37	57·9	58·5	53·3	61·8	2·5	1·4	·406	·446	84	91	SW 2	SW 2	9	8	·420	Dull and cloudy. ● 0 *a*. and *p*.
Mean	29·898	29·881	59·0	56·9	51·8	64·5	3·2	1·9	·407	·408	81·1	87·8	1·0	0·7	6·7	5·0	2·035	

PARSONSTOWN (BIRR CASTLE).—SEPTEMBER 1890.

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.		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	29·99	29·93	57·0	57·9	49·8	63·1	2·9	1·2	·380	·443	82	92	SW 1	SW 1	10	10	·102	Dull and gloomy, with ●.
2	·93	29·94	58·5	60·7	56·3	66·4	1·2	1·8	·453	·472	93	89	Calm 0	Calm 0	10	10	·015	∞ *a*. Close and gloomy, with ●.
3	29·97	30·01	60·1	60·5	58·2	66·9	1·6	2·6	·468	·443	90	85	SW 2	WSW 2	10	10	·320	∞ *a*. and *p*. Day fine and bright.
4	30·05	·13	59·7	60·0	56·5	62·5	1·2	0·8	·474	·492	93	95	SW 1	Calm 0	10	10	·038	∞ *a*. and *p*. Day dull, with ●.
5	·15	·17	62·9	60·9	58·8	67·5	1·4	1·0	·525	·502	92	94	SW 1	Calm 0	10	10	·016	Dull and close, with ∞.
6	·26	·21	58·7	60·0	56·6	74·3	1·6	1·5	·443	·469	91	91	Calm 0	Calm 0	10	0	—	≋ *6a*. Day bright and close.
7	·19	·16	62·7	59·4	48·0	71·6	2·8	2·1	·475	·440	84	88	Calm 0	Calm 0	7	0	—	≋[0] (mist) *ga*. Fine and bright.
8	·11	·06	61·9	58·9	54·2	67·9	3·0	1·4	·454	·454	83	92	SE 1	Calm 0	5	0	—	Bright, with ∞.
9	·11	·10	61·3	53·9	53·5	63·6	2·2	3·0	·469	·333	87	80	Calm 0	Calm 0	10	5	—	Dull and mild, with ∞.
10	·10	·05	56·5	52·9	42·2	61·9	4·4	2·0	·336	·346	74	86	Calm 0	Calm 0	2	0	—	≋[0] (mist) *a*. Fine, bright and mild.
11	·08	·12	60·3	58·5	51·8	67·4	3·4	2·3	·416	·420	80	86	WNW 1	Calm 0	7	7	—	∞ *a*. and *p*. Fine, bright and mild.
12	30·11	30·01	56·7	54·6	47·8	68·1	2·6	1·7	·384	·377	84	88	Calm 0	Calm 0	10	0	—	∞ *a*. Fine, bright and mild.
13	29·90	29·88	60·3	60·1	49·5	67·4	3·2	1·5	·422	·471	82	91	SE 1	Calm 0	8	7	—	∞ *a*. and *p*. Fine, bright and mild.
14	·91	·82	59·2	58·5	57·2	62·9	2·1	1·9	·436	·432	88	89	Calm 0	SE 2	10	3	—	Dull and mild, with ∞.
15	·65	·62	61·9	56·1	56·1	66·4	4·6	2·2	·408	·387	75	85	SE 2	SE 2	4	3	—	Fine day. ≋[0] (mist).
16	·57	·43	60·3	58·7	54·6	65·9	4·4	2·0	·389	·432	75	88	SE 3	SE 3	10	10	·178	≋[0] (mist) *a*. Bright and warm.
17	·57	·53	57·9	54·5	46·0	63·1	4·0	1·2	·366	·390	76	92	Calm 0	Calm 0	5	6	—	Dull day. ≋[0] (mist) *p*.
18	·65	·65	53·6	52·3	48·0	64·6	1·4	1·4	·372	·354	90	90	Calm 0	Calm 0	10	3	·028	∞ *a*. Fine, bright and mild.
19	·52	29·30	58·2	57·9	49·0	63·1	3·4	3·2	·385	·386	79	80	SE 1	SE 2	9	9	·180	Bright *a*. ≋[0] (mist) ●[0]
20	29·07	28·87	59·4	56·4	54·0	61·1	4·5	1·7	·373	·405	74	89	ESE 3	SE 3	8	10	·390	Dull and gloomy, with ●[2].
21	28·99	29·20	57·9	54·0	54·0	58·4	2·8	0·9	·397	·391	83	94	S 2	Calm 0	10	9	·955	Dull and gloomy, with ●[2].
22	29·35	·64	54·7	49·0	48·4	58·4	1·7	1·7	·379	·395	89	88	Calm 0	Calm 0	10	0	·062	Dull and gloomy, with ●.
23	·75	29·77	54·8	53·5	44·5	58·5	1·7	1·6	·381	·364	89	89	Calm 0	S 1	10	8	·105	≋[0] (mist) *a*. and *p*. Dull, with ●
24	29·82	30·01	57·8	53·3	52·2	60·0	1·7	1·4	·427	·367	89	90	SW 1	Calm 0	10	8	·059	Fine and mild. ∞ *p*. [showers.
25	30·20	·16	53·8	58·5	43·1	61·3	2·1	1·7	·355	·438	85	90	Calm 0	WSW 3	9	9	·010	Dull, close and mild. ≋[0] (mist).
26	·22	·27	59·7	59·5	56·6	62·4	1·0	0·9	·480	·480	94	95	SW 1	W 1	10	10	—	Day fine and bright. ≋[4] (mist).
27	·27	30·14	56·7	56·3	55·0	65·1	1·5	2·4	·415	·384	90	84	Calm 0	SW 1	10	8	—	Dull and close. ∞.
28	30·00	29·93	57·5	52·5	52·0	59·5	1·7	0·9	·422	·370	89	94	SW 2	Calm 0	10	3	·092	Bright and cool. ≋[0] (mist) *p*.
29	29·82	·71	54·8	55·9	46·8	59·7	2·2	2·0	·367	·389	86	87	SW 1	SW 1	9	7	·062	Dull and gloomy, with ●.
30	29·54	29·36	59·7	58·4	52·4	61·3	1·2	0·9	·440	·461	92	95	WSW 2	WSW 3	10	10	·632	
Mean	29·861	29·839	58·4	56·8	51·8	64·0	2·5	1·7	·416	·413	85·3	89·2		0·9		0·8	8·8	6·2	3·244	

STENNESS.—OCTOBER 1890.

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

1	29·29	29·68	43·7	45·0	41·5	—	2·5	3·8	·231	·218	80	73	NE 5	N 5	4	2	·040	Lunar ⌒.
2	·97	·67	43·0	44·0	40·0	—	2·4	3·8	·226	·209	82	72	NNW 2	S 8	2	0	1·300	●[2]
3	·38	·51	54·6	51·2	41·0	—	0·9	1·7	·401	·333	94	89	WSW 6	W 7	5	1	·090	Highest tide experienced for several [years.
4	·64	·70	51·8	50·2	49·0	—	1·6	1·4	·343	·327	88	91	W 5	W 2	2	4	·100	
5	·59	·37	50·0	50·5	48·0	—	0·9	2·9	·337	·295	94	81	SSW 2	W 8	10	1	·320	
6	·45	29·56	48·3	47·8	44·0	—	3·0	3·3	·267	·255	79	77	W 7	W 5	4	0	·200	Sea greenish colour.
7	29·64	30·03	49·0	44·8	44·5	—	2·3	1·8	·291	·255	84	86	WNW 2	NE 2	5	1	—	Clouds in E. at sunset inky leaden
8	30·28	30·17	47·8	47·0	37·5	—	3·8	2·0	·243	·275	74	86	Calm 0	S 3	2	9	—	Frost on ground in past *n*. [colour.
9	29·94	29·87	54·0	55·0	46·0	—	2·0	0·8	·360	·409	86	94	WSW 6	WSW 7	8	10	—	
10	·81	·76	56·7	54·6	52·5	—	1·4	0·6	·418	·409	91	96	WSW 6	WSW 8	8	10	—	
11	·82	·91	54·0	53·6	52·0	—	2·8	1·4	·339	·372	81	90	W 6	SSW 4	7	10	·040	Swell in Atlantic.
12	·90	·95	56·0	54·8	52·5	—	1·4	1·4	·381	·389	85	90	WSW 7	SW 2	10	10	·100	Swell in Atlantic.
13	·95	·85	55·7	55·7	53·5	—	3·5	2·3	·348	·378	78	85	SSW 2	ENE 2	8	10	·040	
14	·67	29·39	52·0	49·2	51·0	—	1·0	2·7	·361	·285	93	82	WNW 3	S 5	10	9	·300	
15	29·07	28·85	45·7	43·0	41·0	—	4·2	2·2	·218	·230	72	83	W 5	W 2	3	5	·300	
16	28·97	29·37	43·5	44·0	40·0	—	1·8	1·8	·244	·248	86	86	WSW 5	NNW 6	10	10	·230	Rough day.
17	29·47	29·81	47·5	47·5	43·0	—	1·4	2·2	·294	·276	91	85	NNE 7	N 7	10	10	·020	Rough day.
18	30·03	30·11	45·0	44·0	42·0	—	4·2	3·0	·211	·224	71	77	N 5	NNE 3	6	9	—	
19	·12	·14	45·5	44·0	42·5	—	2·9	3·0	·241	·224	80	77	N 3	Calm 0	9	9	·130	Fine day.
20	·07	·07	43·1	44·4	41·5	—	0·9	1·1	·258	·267	93	91	SE 2	SSE 4	10	10	·150	●[0]
21	·13	·18	43·6	51·9	42·0	—	2·1	0·5	·238	·373	84	97	S 3	WSW 4	7	10	·200	●[0]
22	·23	30·20	51·0	53·0	43·6	—	1·3	1·0	·341	·374	91	93	W 3	WSW 4	8	10	—	Fine day.
23	30·08	29·77	53·2	54·2	49·0	—	1·4	2·2	·366	·358	91	85	W 6	SW 8	5	8	·180	Fine day.
24	29·63	·55	48·0	46·0	45·0	—	4·0	4·0	·243	·225	73	73	W 4	WNW 5	8	6	·060	⁄ (45 miles 1*a*.—2*a*.) Fine day.
25	·42	·24	42·3	38·8	39·0	—	5·8	3·0	·165	·180	61	77	NW 5	N 2	8	10	—	[Lunar ⌒.
26	·22	·57	42·0	35·0	35·0	—	2·2	1·2	·221	·180	84	88	N 6	N 8	6	8	·160	Very cold and rough, with ✳.
27	·66	·76	36·2	34·2	30·0	—	3·9	0·7	·145	·184	67	93	N 6	N 3	5	7	·070	✳
28	29·70	·21	37·8	50·3	32·5	—	2·3	0·6	·184	·349	81	96	N 2	W 7	10	10	1·110	✳ then thaw.
29	28·99	·32	52·0	44·8	36·5	—	0·8	5·8	·366	·182	94	61	W 7	NW 8	4	4	·040	
30	29·67	·58	42·6	44·0	41·0	—	4·6	1·0	·185	·265	68	92	NW 2	Calm 0	4	10	·350	●
31	29·33	29·33	44·0	46·0	38·0	—	0·8	2·0	·270	·265	94	86	ESE 1	N 2	10	10	—	Distant sounds distinctly heard. Clouds [at sunset inky leaden colour.
Mean	29·681	29·692	47·7	47·4	43·1	—	2·4	2·1	·282	·284	82·9	84·9		4·2		4·5	6·7	7·2	5·530	

DUNROBIN CASTLE.—OCTOBER 1890.

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.		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	29·34	29·88	49·3	49·9	40·9	52·3	5·6	0·3	·227	·249	65	98	SE	SW	—	—	·340	Dull and cold.
2	30·15	·77	47·2	47·2	39·3	47·7	4·9	2·2	·218	·273	68	85	NW	SW	—	—	1·120	● showers.
3	29·59	·74	56·0	54·3	45·5	56·0	1·3	4·6	·411	·301	91	72	E	W	—	—	·230	● *a*. Fair *p*.
4	·84	·85	55·5	53·0	47·5	57·0	5·2	4·3	·305	·292	69	73	W	W	—	—	·270	Dull and cloudy.
5	·75	·64	51·7	53·3	48·9	55·3	1·2	5·6	·352	·268	92	66	NW	NW	—	—	·060	Dull and cold, with ●.
6	·66	29·80	51·3	48·3	47·2	57·7	2·0	1·6	·327	·299	86	89	NW	W	—	—	·240	
7	29·79	30·13	51·3	45·2	42·7	54·3	3·0	1·5	·303	·266	80	89	SW	NW	—	—	·080	Fine, clear and cold.
8	30·39	·29	47·2	44·6	40·9	55·0	1·7	0·6	·285	·280	89	95	NE	N	—	—	—	Cloudy and cold.
9	·14	30·05	53·3	57·9	40·7	58·0	2·8	1·2	·331	·444	81	93	SE	SE	—	—	—	Fine and clear.
10	·02	29·97	57·0	58·6	49·2	60·3	1·0	0·3	·434	·483	93	98	W	SW	—	—	—	Fine and mild.
11	·02	30·09	54·5	56·0	47·5	61·0	2·5	1·3	·354	·411	83	91	W	W	—	—	—	Fine and clear.
12	·10	·12	57·3	55·0	54·5	61·7	2·3	0·7	·401	·412	85	95	SW	NW	—	—	—	Fine all day.
13	30·13	30·00	55·7	53·5	48·2	62·0	2·0	1·0	·388	·382	87	93	SW	NW	—	—	—	Fine, then dull and cold.
14	29·82	29·54	54·0	49·7	47·5	57·0	0·7	0·4	·397	·346	95	97	SW	NW	—	—	·230	Dull and mild.
15	·33	·12	43·6	45·0	40·7	50·3	1·6	3·9	·248	·226	87	73	SE	NE	—	—	·550	Dull and cold.
16	·23	·61	40·4	45·6	40·4	49·0	1·7	1·6	·216	·269	87	88	NW	NW	—	—	·270	Dull and cold, with ● showers.
17	29·70	29·96	47·2	49·0	43·7	56·3	2·2	3·5	·273	·266	85	76	NE	NW	—	—	·120	Cold, with ● showers.
18	30·17	30·26	43·4	44·9	42·5	51·7	2·4	3·2	·230	·229	81	77	N	N	—	—	—	Clear and cold.
19	·26	·25	45·9	45·6	42·5	50·7	3·4	1·3	·236	·276	77	90	E	N	—	—	·240	Fine and mild.
20	·19	·21	45·6	46·0	42·7	46·5	2·1	0·7	·259	·294	85	95	SE	SE	—	—	·750	Dull, with ●. Ep.
21	·24	·35	48·7	52·3	45·9	53·0	2·2	2·6	·291	·325	85	82	S	SW	—	—	·080	Dull,with ● *a*. ≋[0](mist) ● showers
22	·38	·35	51·0	46·6	46·6	57·3	2·3	1·1	·316	·292	84	93	NE	SW	—	—	—	Dull and mild.
23	30·26	30·00	53·5	54·7	45·5	58·0	3·0	3·7	·329	·328	80	76	NE	SW	—	—	·100	Fine and mild *a*. Cloudy *p*.
24	29·81	29·71	48·7	48·6	44·5	54·7	3·2	3·1	·268	·238	79	79	NE	NW	—	—	·060	Dull, with ●[0] showers.
25	·61	·39	39·9	39·9	35·7	54·3	3·6	3·6	·178	·178	72	72	NE	NE	—	—	·090	Dull day.
26	·45	·80	35·5	35·5	32·5	43·7	2·0	3·0	·170	·153	82	73	N	NE	—	—	·200	✳[0] showers.
27	·86	·93	35·1	36·5	32·0	39·3	4·0	2·8	·134	·165	65	77	NW	NW	—	—	·080	✳ showers.
28	·90	·46	45·6	54·3	29·0	54·7	1·9	3·8	·263	·320	86	76	NE	NE	—	—	·300	Dull, with ● showers.
29	·17	·60	55·7	43·9	43·2	56·3	3·4	0·5	·351	·275	79	96	NE	NE	—	—	—	Dull and blowy.
30	·85	·67	41·2	44·2	38·7	47·3	1·9	1·2	·219	·263	85	91	N	NW	—	—	·280	Clear and cold.
31	29·41	29·55	42·9	44·9	39·0	48·7	2·4	1·6	·226	·261	83	88	W	NW	—	—	—	Dull all day.
Mean	29·856	29·874	48·6	48·2	42·8	53·8	2·6	2·2	·288	·292	82·1	85·0		—		—	—	—	5·710	

BRAEMAR.—OCTOBER 1890.

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	28·12	28·67	44·6	40·8	39·2	46·0	1·1	3·3	·270	·191	92	75	W 1	NW 6	8	3	·370	Dull, with ●.
2	·95	·78	40·0	45·3	36·5	45·3	3·2	1·8	·186	·261	75	87	W 0·5	SW 4	4	9	·140	Fine *a*. ● *p*.
3	·53	·63	55·8	52·5	44·7	57·0	1·5	2·0	·402	·341	90	87	W 4	SW 2	8	7	·350	Dull and mild, with ●.
4	·71	·73	51·5	53·7	49·0	57·3	4·6	1·9	·269	·360	71	88	SW 2	SW 0·5	2	7	·030	Fine day.
5	·63	·51	56·3	51·5	39·8	56·3	1·8	4·3	·401	·276	88	72	SW 0·5	SW 6	10	1	·030	Mild, with ●[0] showers.
6	·55	28·65	46·3	45·3	43·0	56·8	3·4	0·6	·239	·289	76	96	SW 2	SW 2	6	4	·020	Fine day.
7	28·64	29·01	43·7	44·6	41·7	50·7	1·9	3·4	·244	·222	85	75	SW 0·5	SW 1	6	7	·020	● showers *a*. Fine *p*.
8	29·27	29·18	38·6	47·0	35·2	51·0	1·3	2·3	·209	·268	90	84	NE 0·5	SW 0·5	1	9	—	Fine day.
9	28·99	28·94	49·3	54·0	46·0	57·6	2·8	2·8	·284	·353	81	82	SW 4	SW 2	4	4	—	Fine day.
10	·89	28·88	54·9	55·5	53·8	61·0	3·4	2·7	·339	·365	78	85	SW 4	SW 4	5	8	—	Fine day.
11	·88	29·00	55·5	55·7	54·0	59·0	2·0	2·5	·384	·374	87	84	SW 1	SW 1	5	4	—	Fine day.
12	·98	29·00	54·2	52·2	50·3	59·8	3·5	3·7	·325	·297	77	76	SW 2	SW 1	8	8	—	Fine day.
13	·97	28·89	51·5	50·7	45·4	58·2	2·5	2·2	·293	·315	77	86	SW 0·5	SW 2	5	7	—	Fine day.
14	·71	·50	51·8	46·5	45·0	55·2	2·3	4·0	·326	·229	85	73	SW 3	SW 4	7	5	·370	Fine *a*. ● showers 8*p*.
15	·17	·03	40·8	36·5	36·3	47·0	2·3	0·8	·209	·200	82	93	SW 2	SW 3	8	10	—	
16	·13	·42	37·9	40·6	35·3	47·2	1·7	2·1	·195	·211	86	84	W 4	SW 4	10	10	1·150	Snow on hills.
17	·51	28·72	42·4	47·5	36·8	49·2	2·1	2·7	·227	·266	84	82	NW 6	NW 2	6	8	·230	Dull, with ● showers.
18	·92	29·05	40·6	39·6	39·3	47·5	2·1	2·4	·211	·197	84	81	NW 1	NE 1	8	6	·020	● showers.
19	28·99	·09	41·4	39·6	36·8	46·2	2·9	3·4	·203	·180	79	73	NW 0·5	NE 1	7	1	·100	Fine day. Meteors seen.
20	29·00	·00	39·6	48·8	36·5	48·8	0·1	1·1	·242	·318	99	92	SE 0·5	E 0·5	10	10	·090	Dull, with ●.
21	·03	·17	45·3	50·5	43·3	54·2	0·6	1·4	·289	·331	96	90	NW 0·5	NW 0·5	8	9	·060	Dull, with ●.
22	·19	29·23	49·2	45·8	45·7	56·0	1·4	0·5	·315	·297	91	96	NW 0·5	W 0·5	7	2	—	Fine day.
23	29·11	28·91	49·9	50·7	42·7	53·8	2·2	3·2	·304	·291	86	79	SW 1	SW 2	7	8	·010	Fine day.
24	28·64	·61	51·5	42·3	39·8	55·6	1·0	3·5	·354	·201	93	75	SW 1	SW 0·5	9	8	·020	Fine day.
25	·42	·23	39·8	35·5	34·2	43·7	1·3	2·0	·219	·170	90	82	SW 0·5	NE 0·5	10	9	·020	Dull and damp.
26	·23	·54	32·9	31·4	28·8	37·3	1·2	0·7	·162	·160	86	90	NE 0·5	NE 2	5	10	·300	Stormy, with ✳.
27	·64	·65	29·7	32·5	28·4	34·0	1·2	1·0	·133	·164	80	88	SE 0·5	SW 0·5	7	7	—	
28	·72	·38	33·9	48·3	29·7	48·3	0·4	0·6	·187	·324	96	96	SW 0·5	SW 2	7	8	·280	Dull day.
29	·17	·44	51·7	43·0	42·8	55·0	2·4	4·5	·322	·189	84	68	SW 1	W 2	7	5	—	Fine day.
30	·69	·60	38·0	41·4	36·3	46·0	1·5	1·6	·199	·228	87	88	SE 0·5	SW 0·5	8	10	·340	Dull and dark.
31	28·27	28·31	41·9	43·6	39·6	45·3	0·4	2·9	·257	·222	97	78	SW 0·5	SW 0·5	10	9	·500	Dull, with ●.
Mean	28·699	28·734	45·2	45·6	40·5	51·2	2·0	2·3	·264	·261	85·5	83·3		1·5		1·9	6·9	6·9	4·350	

LAUDALE.—OCTOBER 1890.

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.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins. 29·37	ins. 29·93	° 49·2	° 46·9	° 43·0	° 57·8	° 2·2	° 3·2	in. ·296	in. ·249	% 85	% 79	WNW 2	NNW 1	7	7	ins. ·130	● ² showers.
2	30·20	·90	43·1	56·3	34·6	56·3	2·3	1·8	·229	·401	82	88	Calm 0	SW 10	8	10	1·740	⌊a. Dull a. ● ² from 3p. ↗ ² [(gale) from 6p. ↗ ² ● ² till 5p.
3	29·75	·86	58·0	55·0	52·0	67·7	2·0	2·4	·421	·365	87	85	W 10	W 4	10	10	1·090	
4	·94	·87	53·7	57·0	52·7	58·0	1·5	1·0	·370	·434	89	93	Calm 0	W 4	10	10	1·250	≡≡ 0 (mist) ● ². Squally wind p.
5	·83	·74	58·0	53·8	49·9	58·7	1·8	2·7	·427	·340	88	82	W 3	NW 2	10	8	·460	≡≡ 0 (mist) a. Squally wind. ●
6	·79	29·83	52·7	51·4	49·3	61·1	1·9	0·7	·286	·260	87	95	Calm 0	Calm 0	8	0	·010	● 0 showers a. Day fine and clear.
7	29·87	30·18	47·9	42·9	42·0	55·4	1·9	0·7	·279	·361	70	95	SW 4	SSW 3	7	8	—	Much cirrus p.
8	30·39	·36	42·9	50·8	35·0	56·0	1·6	3·8	·242	·378	87	75	Calm 0	SE 2	0	2	·020	⌊—a. Clear day. Much cir.-s. from SE. p.
9	·24	·15	53·3	57·0	46·7	61·0	1·3	0·3	·370	·456	91	98	Calm 0	W 5	10	10	·400	Warm, with ≡≡ 0 (mist) ● 0, ↗ ², ● ² [from 6p.
10	·12	·07	58·9	57·7	56·0	59·5	2·3	1·2	·426	·441	86	93	W 2	W 6	9	10	·770	● ↗ from 6p.
11	·09	·17	59·0	58·7	55·3	59·6	2·3	1·7	·427	·440	86	89	W 3	W 3	10	10	·460	● a. ● showers p.
12	·21	·21	57·0	55·0	51·7	59·2	4·0	3·0	·351	·349	75	81	NW 1	Calm 0	7	10	—	Fair and mild.
13	30·18	30·04	55·0	56·0	51·0	59·5	3·7	3·1	·332	·363	77	80	SW 1	SE 1	10	10	·310	Cir. fast from E., lower clouds all [directions.
14	29·87	29·63	54·0	51·3	49·2	58·7	3·0	1·4	·334	·342	80	90	W 3	W 1	10	10	·900	
15	·36	·25	45·2	45·1	41·2	56·0	2·8	2·1	·239	·252	80	84	NNW 2	NW 3	10	10	·880	Snow on hills. ▲ ² ● ² showers all [day.
16	·42	29·71	44·1	47·3	40·1	49·8	3·3	2·5	·219	·268	75	83	NW 5	N 3	10	7	·170	▲ ² ● ² showers a.
17	29·84	30·05	47·0	46·8	41·0	50·6	1·8	5·6	·280	·203	87	63	N 4	N 2	8	6	·040	● 0 showers in evening.
18	30·17	·24	46·7	39·0	37·0	59·3	3·7	1·3	·236	·212	75	90	NE 1	Calm 0	3	2	—	Fine and clear. Cold at night.
19	·29	·28	42·7	43·0	35·0	53·5	1·8	1·0	·236	·255	86	92	Calm 0	Calm 0	7	10	·190	Day fine and mild, with much cirrus.
20	·31	·22	47·5	53·7	41·9	55·2	0·5	1·9	·316	·360	96	88	Calm 0	Calm 0	10	10	·350	≡≡ 0 (mist) ● .
21	·28	·36	53·1	51·7	50·7	56·5	1·1	0·7	·373	·365	92	95	Calm 0	Calm 0	10	10	·060	Dull and damp.
22	·42	·42	52·1	52·4	49·0	59·5	1·4	0·4	·352	·382	90	97	Calm 0	Calm 0	10	10	·090	≡≡ 0 (mist) ● 0 showers.
23	30·37	30·12	52·5	55·3	51·0	56·4	1·6	4·0	·351	·330	89	75	Calm 0	NW 5	10	9	·560	≡≡ 0 (mist) ● 0 showers.
24	29·84	29·80	55·5	48·7	43·7	57·5	1·5	4·4	·397	·243	90	71	W 8	NW 1	10	10	·170	↗ ● ² a. ● showers p.
25	·60	·41	43·4	37·0	35·0	48·8	1·0	1·6	·260	·189	92	86	Calm 0	NW 1	10	10	·450	● ² 4p.—6p.
26	·48	·83	35·7	38·0	31·0	44·8	1·0	2·0	·192	·190	91	83	N 2	N 4	4	10	·180	↗ ▲ ² ● ² ✳ ² (sleet) showers.
27	·87	·97	35·2	34·7	31·2	41·8	1·1	1·4	·184	·174	89	86	N 1	N 1	4	3	·190	▲ ² ● ² ✳ ² (sleet) showers.
28	·87	·51	37·8	54·3	31·0	54·5	0·8	2·6	·210	·349	93	82	NW 3	W 10	5	10	·830	Cold ● showers a. ● ² p.. with ↗ ².
29	·38	·66	55·7	48·0	43·4	58·0	1·9	4·0	·390	·243	88	73	W 10	N 3	10	4	·290	↗ ● ² n. and a. ● showers after-
30	·87	·63	47·5	47·7	43·0	58·7	4·5	2·4	·228	·274	70	83	N 1	S 5	8	10	·570	↗ ● at night. [noon. Fine at night.
31	29·34	29·55	50·0	48·0	45·0	51·7	0·3	2·0	·353	·285	98	86	Calm 0	N 1	10	6	·120	≡≡ (mist) ● a. Fine p.
Mean	29·920	29·934	49·5	49·7	43·8	56·2	2·1	2·2	·310	·311	85·5	85·2		2·1		2·6	8·2	8·1	12·680	

DUNDEE.—OCTOBER 1890.

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	29·10	29·66	50·9	41·4	40·9	52·6	1·8	2·5	·327	·210	88	81	NW 4	NW 1	10	7	·220	● n. and noon—4p.
2	·92	·84	44·0	47·4	37·6	48·8	3·5	1·9	·215	·282	74	87	NW 2	SW 2	5	10	·080	● showers from 3p.
3	·56	·62	57·7	56·0	47·0	61·6	3·0	1·1	·390	·416	81	92	W 10	W 10	10	10	·160	● showers from 11a. ↗ ² (gale).
4	·75	·74	55·4	56·3	52·0	61·6	2·9	0·8	·358	·430	82	95	W 1	W 1	7	5	—	Cloudy day.
5	·66	·50	52·9	57·4	55·8	63·3	2·0	2·5	·420	·398	87	84	W 2	W 8	5	10	·020	Cloudy, with ● 0 showers.
6	·60	·67	51·9	48·4	48·2	58·4	5·4	3·2	·258	·264	67	78	W 2	W 2	5	5	—	Cloudy day.
7	29·68	29·96	48·8	43·0	43·0	56·7	2·7	1·3	·280	·249	81	90	W 1	NW 1	10	5	—	Dull till 1p.
8	30·27	30·23	45·9	43·1	38·6	57·3	1·8	0·6	·268	·265	88	95	S 1	SE 1	0	5	—	Fine day.
9	30·07	29·98	50·0	52·8	41·5	57·4	2·2	1·2	·304	·366	85	91	W 4	NW 6	0	5	—	
10	29·93	29·92	59·9	57·3	52·3	62·7	2·8	4·2	·427	·351	84	75	W 2	W 6	5	10	—	Dull from 3p.
11	29·92	30·03	57·4	56·4	55·1	60·2	2·1	1·3	·409	·416	87	92	W 6	W 6	10	5	—	Dull and fresh.
12	30·04	30·05	58·4	52·2	52·0	61·8	3·8	2·3	·378	·331	77	84	W 6	W 4	5	10	—	Fine and fresh.
13	30·02	29·93	51·7	53·3	48·9	58·4	1·6	2·3	·342	·343	89	84	W 1	W 6	0	7	—	Fine and fresh from 11a.
14	29·75	·55	54·0	47·4	47·4	58·9	2·0	1·1	·360	·301	86	92	SW 1	W 2	10	5	·110	Dull day.
15	·19	·01	46·4	42·4	41·3	51·4	2·1	1·6	·267	·237	85	88	SW 1	SW 6	5	0	·040	Fine day. ● showers from 8p.
16	·15	·41	43·7	41·4	39·0	49·0	4·1	2·8	·202	·205	71	79	SW 6	NW 4	10	0	·030	↗ (gale) from 10a. ↗ ² 2p.—5p.
17	·53	29·69	48·2	49·9	41·0	51·3	4·4	3·7	·238	·270	71	75	NW 4	NW 2	5	5	—	↗ (gale) n. and at times during day.
18	29·95	30·04	47·8	42·5	42·4	51·8	4·2	3·0	·238	·211	72	78	N 2	N 1	5	10	—	Cloudy, with ↗ (gale) at times.
19	30·08	·11	42·5	40·8	36·5	48·9	2·0	0·7	·230	·239	85	95	SW 1	W 1	10	10	·030	Dull day.
20	·06	·04	42·6	44·6	40·8	45·3	0·5	0·2	·262	·289	96	98	SE 1	SE 1	10	10	·100	● 0 n. and during day.
21	·10	·20	46·0	48·1	44·3	49·7	1·3	0·2	·280	·331	91	98	SE 1	SE 1	10	10	·030	● 0 showers n. and during day.
22	·24	30·26	48·7	47·0	46·5	56·1	0·3	0·1	·336	·321	98	99	S 1	W 1	10	10	—	Dull day. ≡≡ 0 (mist) at night.
23	30·18	29·95	50·0	52·0	46·9	55·4	0·7	2·6	·342	·320	95	82	W 1	W 4	5	10	—	Cloudy day.
24	29·67	·60	52·5	44·1	44·1	58·9	1·5	2·0	·354	·245	89	84	W 2	W 1	5	10	·010	Cloudy day. ● 0 showers 3p.—4p.
25	·41	·21	48·3	36·9	36·6	47·2	2·0	0·8	·257	·203	85	93	W 1	NE 2	10	10	·210	Dull day. ● 10a.—1p. and from 6p.
26	·22	·51	35·1	36·1	32·2	41·9	2·3	2·6	·159	·166	78	77	N 4	NW 2	5	5	·110	✳ ● (sleet) n. ● showers till 5p.
27	·69	·79	33·1	31·4	30·1	39·2	1·4	2·1	·160	·129	84	73	W 2	NW 1	5	0	—	Fine day. ✳ 0 showers at night.
28	·79	·38	36·0	48·7	29·2	48·9	4·1	1·4	·141	·309	65	90	W 1	W 6	10	10	·060	● 0 from 3.30p.
29	·25	·43	52·4	46·4	46·4	59·3	2·3	3·7	·333	·234	85	75	W 8	W 6	10	0	—	↗ (gale).
30	·72	·60	42·2	42·9	33·0	47·7	4·1	0·4	·190	·267	72	97	S 1	SE 1	5	10	·510	● from 6.30p.
31	29·23	29·26	45·6	44·4	42·2	47·6	0·1	0·6	·304	·278	100	95	NE 1	W 1	10	10	·320	● n. and during day.
Mean	29·734	29·748	48·5	46·8	43·0	53·8	2·4	1·8	·291	·286	83·2	87·0		2·6		3·1	6·8	7·1	2·040	

GLASGOW.—OCTOBER 1890.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins. 29·21	ins. 29·73	° 50·1	° 44·0	° 42·7	° 57·6	° 3·6	° 3·6	in. ·274	in. ·214	% 77	% 73	W 2	W 1	7	0	ins. ·020	Dull, with ● ² showers a. Clear even- [ing.
2	30·06	·85	45·8	51·1	39·5	51·2	4·2	2·5	·218	·311	72	83	W 1	SW 2	1	10	·069	Dull and threatening.
3	29·68	·71	56·3	56·0	50·9	58·3	2·2	0·6	·388	·431	86	96	SW 5	SW 3	10	10	·155	Overcast with squally ↗ ● 0.
4	·82	·79	53·9	56·4	52·7	58·0	0·2	0·5	·410	·441	99	97	SW 1	SW 3	10	10	·080	⋃ 3a. Overcast, with ● 0.
5	·72	·55	56·7	55·8	55·8	59·3	0·7	0·8	·439	·422	95	94	W 2	SW 4	10	5	·060	Cloudy, with squally ↗ ● 0.
6	·65	·70	51·8	49·6	49·5	56·3	4·5	3·3	·274	·275	72	78	SW 2	SW 1	6	10	·015	Sunny day.
7	29·70	29·97	47·3	46·5	45·3	55·1	1·2	3·2	·297	·244	92	78	S 1	E 1	10	1	—	Overcast, with ≡≡ 0 (mist) a. Clear p.
8	30·26	30·24	38·8	44·1	37·1	54·5	0·7	0·9	·222	·268	95	93	NE 1	S 1	10	0	—	≡≡ 0 a. Dull, then clear.
9	·12	30·03	49·8	53·0	41·5	54·9	1·1	0·2	·330	·397	92	99	W 1	SW 1	10	10	·040	Dull and threatening, with ● 0. ⋃
10	30·01	29·96	56·0	56·8	53·0	58·8	0·9	2·3	·422	·394	94	85	SW 2	SW 2	10	10	·010	Dull and overcast, with ● 0.
11	29·98	30·06	55·0	56·9	54·3	58·3	1·0	0·7	·403	·443	93	95	SW 1	SW 1	10	10	—	Dull and overcast.
12	30·07	30·07	55·4	50·5	50·3	58·6	2·1	1·2	·378	·333	87	92	SW 1	SW 1	6	0	—	Dull and cloudy. ≡≡ 0 (mist) 9p.
13	30·06	29·93	53·8	54·3	49·6	54·7	2·6	1·4	·344	·381	83	91	SW 1	W 1	10	10	—	Dull and overcast.
14	29·76	·54	54·8	51·2	49·2	57·4	1·5	2·8	·385	·305	90	81	SW 2	SW 3	10	10	·400	Cloudy and squally, with ● 0.
15	·23	·05	46·3	45·1	41·2	51·9	2·2	1·5	·263	·266	85	89	W 2	W 2	3	10	·230	Cloudy and squally, with ● ² ▲ 0 ⌒.
16	·23	·49	45·1	44·7	42·1	50·3	4·3	2·7	·211	·236	70	80	NW 2	W 1	6	0	—	Cloudy and squally.
17	·60	29·76	46·9	45·9	43·5	51·7	4·2	1·6	·229	·272	72	88	NW 2	W 1	6	0	—	⋃ 6p.
18	29·97	30·06	46·9	43·4	42·2	51·5	0·5	5·1	·309	·182	97	64	NW 1	N 2	1	0	—	Bright and clear.
19	30·08	·12	38·7	39·9	33·9	50·0	1·6	1·0	·203	·225	87	92	Calm 0	SE 1	10	4	—	Sunny day. ∞ p.
20	·03	·02	43·7	52·4	39·8	54·2	0·8	3·0	·266	·316	94	80	NE 1	W 1	10	10	·010	Overcast, with ≡≡ 0 ● 0.
21	·10	·18	49·3	49·7	46·9	56·4	1·1	0·8	·323	·336	92	94	NE 1	SW 1	8	6	—	≡≡ 0 (mist) 9a. Dull and overcast.
22	·26	·28	50·9	51·1	46·6	55·3	1·2	0·4	·342	·365	92	97	W 1	W 1	7	8	·010	Dull and cloudy, with ● 0.
23	30·22	30·00	52·3	52·0	49·5	53·2	2·1	2·1	·336	·333	86	85	W 1	SW 2	8	10	·020	Dull and overcast.
24	29·72	29·63	52·2	46·5	46·2	54·1	0·7	2·6	·371	·256	95	82	SW 1	W 1	10	10	·010	Overcast and squally, with ● 0.
25	·42	·18	46·5	39·5	39·1	47·6	1·3	1·2	·274	·218	90	90	W 1	W 1	10	5	·052	Overcast, with ● 0.
26	·24	·61	37·3	36·3	32·3	48·8	4·2	3·5	·148	·354	67	72	N 1	SW 1	0	4	—	Clear a., then dull and overcast. ⋃
27	·73	·81	33·9	33·4	31·1	40·9	2·5	1·4	·146	·162	75	85	NW 1	W 1	1	2	—	⌊—. Sunny day.
28	·81	·49	34·2	51·1	26·9	51·3	1·5	0·7	·168	·357	84	95	W 1	W 3	10	10	·200	⋃ 4a. ⌊—≡≡ 0 a. ● 0 p.
29	·29	·47	52·8	44·9	44·9	54·8	0·7	2·6	·379	·240	95	81	SW 4	W 1	10	0	·040	Overcast, with squally ↗ ● 0 then
30	·72	·54	41·4	46·1	38·7	48·7	2·2	1·3	·216	·281	83	91	W 1	SE 1	3	10	·635	Fine a. ● in evening. [clear.
31	29·20	29·31	48·8	45·4	44·9	50·4	0·4	1·7	·335	·264	97	88	NE 1	NW 1	10	5	·260	Overcast, with ● ² ≡≡ 0 (mist).
Mean	29·773	29·778	48·1	48·2	44·0	53·5	1·9	1·8	·300	·301	86·7	85·7		1·5		1·5	7·5	6·1	2·316	

WOLFELEE.—OCTOBER 1890.

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	28·73	29·25	55·0	40·0	40·0	58·0	2·4	2·4	·365	·200	85	81	SW	SW	—	—	·140	Blowy, with ● showers. Clear p.
2	29·58	·45	40·0	46·0	39·0	55·0	2·4	1·4	·200	·278	81	90	SW	SW	—	—	—	Fine, clear, and frosty a. Blowy p.
3	·28	·27	55·0	57·0	37·0	57·0	2·9	2·4	·352	·394	82	85	W	W	—	—	—	Cloudy a. Blowy a. and p.
4	·35	·37	58·0	56·5	52·3	60·0	1·9	1·9	·424	·401	88	88	SW	SW	—	—	—	Fine and blowy.
5	·33	·19	58·5	57·0	53·3	62·5	2·4	2·4	·417	·394	85	85	WSW	SW	—	—	·020	Dull and blowy a. Blowy, with ● 0 p.
6	·21	·28	52·5	47·5	46·4	62·0	3·4	2·9	·307	·261	78	80	SW	SW	—	—	·260	Cloudy a. Fine p.
7	·25	·49	45·0	40·0	40·0	58·0	0·4	1·4	·289	·218	97	89	NW	W	—	—	·010	● a. Fine and clear p.
8	·27	·76	45·5	42·0	29·0	55·0	1·9	0·9	·261	·247	86	93	NE	W	—	—	—	Fine and clear.
9	·63	·58	47·5	53·0	37·0	57·8	1·4	1·9	·294	·350	90	87	SW	SW	—	—	—	Fine and clear.
10	·56	·54	56·5	56·0	45·4	59·0	1·9	2·4	·401	·381	88	85	SW	SW	—	—	—	Fine a. Dull and blowy p.
11	·54	·63	55·5	56·0	50·8	63·0	2·9	1·9	·360	·394	82	88	SW	SW	—	—	—	Dull and blowy a. Fine p.
12	·63	·62	56·0	50·5	50·3	59·5	1·9	1·4	·394	·331	88	90	SW	SW	—	—	—	Fine and clear.
13	·60	·51	53·5	53·0	48·4	62·5	3·4	2·4	·319	·337	78	84	SW	SW	—	—	—	Fine and blowy.
14	29·36	29·18	54·0	45·5	44·4	55·5	0·9	1·4	·391	·272	94	90	SW	SW	—	—	·540	Dull and blowy, with ● 0 a. [clear p. Fine and
15	28·83	28·68	44·5	39·0	38·0	57·8	1·9	1·4	·251	·210	86	89	SW	W	—	—	·070	↗ (gale) n. Fine a. Dull p.
16	28·78	29·00	42·4	40·6	33·5	49·8	4·0	2·5	·193	·203	72	81	NW	N	—	—	—	Blowy, with ▲ 0 showers a. Fine p.
17	29·12	·24	45·5	43·6	33·0	49·6	4·4	2·5	·212	·230	70	81	NW	NW	—	—	—	Blowy a. Fine and clear.
18	·44	·54	44·2	43·0	39·9	51·5	3·1	2·4	·224	·226	77	82	NW	NW	—	—	—	Fine and clear.
19	·59	·64	39·0	44·0	29·5	50·8	1·9	1·4	·201	·257	85	89	NW	NW	—	—	·050	Fine day.
20	·58	·53	43·0	49·0	36·0	54·6	0·9	1·4	·257	·312	93	90	NW	NW	—	—	·090	Dull, with ● 0.
21	·61	·71	47·0	49·0	40·9	51·0	1·4	0·9	·289	·325	90	94	NE	NE	—	—	·070	Dull, with ● 0.
22	·79	·80	47·0	49·0	45·4	51·2	0·9	0·9	·301	·325	94	94	W	SW	—	—	—	
23	·76	·59	51·0	50·0	47·4	56·5	1·4	0·9	·338	·337	90	94	W	W	—	—	—	Fine and blowy p.
24	29·32	29·16	51·5	50·0	47·4	56·2	1·4	2·4	·344	·300	90	84	SW	NW	—	—	·040	Fine and blowy a. ● showers p.
25	28·97	28·75	52·0	51·0	39·0	56·5	2·4	1·4	·325	·338	84	90	W	NW	—	—	·150	Dull a. ● showers p.
26	28·75	29·02	45·0	40·0	31·0	52·0	1·9	1·4	·255	·218	86	89	NE	N	—	—	·060	✳ 7a. Cold and blowy p.
27	29·24	·31	32·0	26·5	26·0	42·5	3·2	0·2	·114	·138	64	96	NW	N	—	—	—	Cold and blowy a. Clear and frosty p.
28	29·36	·09	32·5	47·5	20·0	48·0	1·2	1·4	·159	·294	86	90	S	SW	—	—	·040	Clear and frosty a. Blowy, with ● p.
29	28·95	·01	51·5	47·0	30·0	52·5	2·4	2·4	·319	·266	84	83	SW	SW	—	—	—	Dull and blowy a. Fine and clear p.
30	29·29	29·15	34·0	43·0	29·5	55·5	0·7	1·9	·182	·236	92	85	SW	SW	—	—	·150	Fine and clear a. ● p.
31	28·81	28·82	51·0	45·0	31·0	51·5	0·9	1·4	·351	·266	94	89	SW	SW	—	—	·120	Dull a. ● p.
Mean	29·323	29·328	47·9	47·0	38·7	55·2	2·1	1·7	·293	·288	85·1	87·6	—		—		1·810	

SCARBOROUGH.—OCTOBER 1890.

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	29·29	29·59	56·9	45·9	45·3	59·0	1·7	1·6	·413	·272	89	89	SW 2	NW 4	8	2	·090	● showers. Much colder.
2	30·04	30·06	47·8	49·4	41·6	54·5	4·5	3·2	·231	·275	70	78	NW 3	SW 2	0	10	—	Brilliant *a*. Afternoon overcast.
3	29·86	29·82	54·4	56·1	48·1	61·2	3·3	2·9	·334	·367	79	81	W 4	SW 9	9	1	—	Bright day. (gale).
4	·86	·90	58·6	54·8	54·8	63·8	2·8	1·6	·407	·382	83	89	W 3	W 3	1	1	—	Very fine and warm.
5	·83	·76	59·2	57·1	54·5	62·8	3·0	2·6	·410	·391	82	83	W 4	SW 3	2	5	—	Brilliant day.
6	·71	·80	58·3	52·5	52·5	58·4	2·1	2·4	·422	·331	87	84	W 3	SW 1	10	10	·310	Dull and threatening.
7	29·71	29·89	49·5	49·9	46·8	53·0	0·5	3·2	·342	·280	96	79	E 1	W 2	10	1	·320	● ^{2} till 4*p*. Bright evening.
8	30·23	30·32	51·9	43·9	42·6	55·0	4·7	1·9	·271	·244	70	85	NE 2	NE 1	1	0	—	Very fine.
9	·22	·11	44·5	49·6	40·3	57·2	1·8	1·2	·253	·324	87	92	SW 1	SW 3	0	0	—	Very fine.
10	·07	·07	55·8	52·9	49·3	62·2	1·6	1·4	·400	·362	89	91	W 3	W 1	5	1	—	Very fine.
11	·04	·16	55·8	52·3	50·3	61·2	2·0	1·3	·386	·357	87	91	W 3	SW 1	5	0	—	Very fine.
12	·18	·14	48·6	51·9	48·6	59·4	0·4	2·9	·333	·311	97	81	SW 1	SW 1	10	0	—	*a*. Very fine day.
13	30·14	30·08	45·7	51·9	43·1	57·5	1·6	1·7	·270	·342	89	88	SW 1	SW 1	0	9	—	Very fine *a*. Evening overcast.
14	29·95	29·73	46·5	52·6	43·3	58·1	1·0	1·3	·293	·361	93	91	SW 3	SW 1	0	0	—	Very fine. *p*.
15	·35	·23	50·6	40·7	40·7	53·8	1·6	1·4	·328	·225	89	88	SW 3	SW 3	8	0	·010	Fine day. Much colder.
16	·22	·37	46·2	44·9	38·1	51·0	6·1	1·6	·189	·261	61	88	NW 5	W 4	0	10	·110	Fine day. ^{2} showers in evening.
17	·52	·61	47·1	48·8	39·8	52·0	4·8	2·6	·219	·289	68	81	NW 4	W 3	3	7	—	Very fine, but windy. [showers.
18	·77	29·91	48·9	47·6	44·8	50·6	1·8	4·7	·301	·226	88	69	N 5	NW 6	4	10	·040	Blustering and stormy, with ●
19	29·98	30·05	48·2	48·3	46·3	49·9	4·1	4·1	·243	·244	73	72	NW 3	NW 4	10	10	·010	Dull and damp, with ^{0} showers.
20	30·06	·03	45·9	46·3	45·3	48·3	0·0	0·4	·309	·304	100	97	W 2	NW 1	10	10	·110	Dull, with wet
21	·13	·23	47·4	46·8	45·3	50·0	0·0	2·2	·328	·269	100	84	SW 1	SW 1	4	9	—	Fair and clear.
22	·27	·29	46·3	51·6	45·0	52·0	1·3	1·3	·284	·348	91	91	SW 1	SW 1	5	8	—	
23	30·25	30·12	52·3	45·4	45·3	54·4	2·6	1·1	·324	·277	82	92	W 1	W 1	10	5	—	Dull day. Fine at night.
24	29·91	29·68	51·8	51·6	45·3	55·2	1·9	1·4	·335	·345	87	90	SW 3	SW 2	6	10	·030	Fine day.
25	·47	·22	46·1	41·7	41·6	51·8	2·0	1·2	·265	·238	86	91	W 2	W 2	10	8	·090	Dull and cold, with ^{0}showers. ^{2}*a*.
26	·10	·35	36·9	38·5	34·5	42·6	0·8	1·2	·204	·209	93	90	W 3	N 4	10	8	·730	^{2} ^{2} ^{2}. ^{2}. *ip*. and *yp*.—*op*.
27	·58	·72	34·2	35·4	33·0	39·7	1·7	3·6	·163	·143	82	69	NW 4	NW 3	1	0	·050	Squalls of , then bright.
28	·84	·92	35·8	39·7	31·0	41·8	3·0	1·4	·154	·216	73	88	SW 2	W 5	1	10	·200	early *a*. Brilliant day. *n*.
29	·53	·46	51·6	53·1	39·5	53·3	0·9	2·4	·358	·339	94	83	SW 2	SW 3	9	0	—	Damp *a*. Fine day.
30	·76	·74	42·7	45·5	40·3	53·1	1·9	1·2	·233	·277	86	91	S 2	SW 3	2	10	·110	Very fine day. Overcast *n*.
31	29·37	29·21	50·8	49·6	45·0	54·9	0·6	1·7	·356	·311	95	88	S 3	W 1	10	8	·010	Dark, mild, and damp.
Mean	29·813	29·818	48·9	48·3	43·9	54·1	2·1	2·0	·302	·294	85·4	85·6			2·6	2·6	5·3	5·3	2·210	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—OCTOBER 1890.

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	29·38	29·86	53·1	49·0	46·8	57·4	2·4	2·8	·339	·280	83	80	NW 7	NNW 4–5	7	3	—	Fine with squally .
2	30·14	30·06	53·6	53·4	42·8	56·0	4·4	2·3	·297	·347	72	85	W 3	WSW 4	4	9	—	Fine day.
3	29·94	29·93	55·2	58·4	52·4	60·8	1·5	1·1	·393	·454	90	93	W 7	WSW 4–5	8	9	—	Dull *a*. Squally . Fine afternoon.
4	·96	·95	57·7	57·8	55·0	61·8	1·2	0·4	·440	·466	92	97	W 3–4	WSW 4–5	8	10	·004	Dull *a*. .
5	·89	·80	58·0	58·0	56·0	60·9	1·2	0·8	·445	·457	92	94	WSW 5	W 5	8	4	·078	*a*. and *p*. Dull day. ^{2}*p*.
6	·80	29·80	54·0	53·8	51·3	58·3	1·0	0·8	·388	·391	93	94	WNW 4	WSW 2	10	10	·458	*a*. Dull day. ^{2}*n*.
7	29·67	30·01	59·0	45·0	45·0	59·4	0·2	1·0	·493	·275	99	92	WSW 3	N 1	10	2	—	Dull day. *p*.
8	30·27	·29	53·8	41·8	41·8	55·7	3·5	0·4	·320	·256	77	97	ESE 3	NNW 1	2	2	—	*a*. Very fine. ^{2}*p*.
9	·21	·16	57·1	56·3	40·0	58·8	2·3	1·5	·398	·409	85	90	SW 3	WSW 2	7	8	—	Very fine. *p*.
10	·14	·07	57·7	56·2	52·2	61·7	2·1	1·2	·414	·416	87	92	WSW 2	W 1–2	9	7	—	Cloudy day.
11	·12	·18	57·7	56·0	50·5	60·8	2·9	1·2	·391	·413	82	92	WSW 4	WSW 3	7	5	—	Cloudy day.
12	·19	·16	55·7	55·0	52·0	59·8	2·2	1·4	·381	·392	86	91	SW 3–4	WSW 3	6	3	—	*a*. and *p*. Fine day.
13	30·16	30·07	54·0	56·1	52·5	56·1	3·7	1·1	·317	·418	76	92	WSW 2	SW 4	10	7	·074	Overcast. at night.
14	29·92	29·74	54·8	52·0	50·0	58·0	0·8	3·0	·406	·310	94	80	SW 3	WSW 4–5	10	2	·210	^{2} *ya*. Dull afternoon.
15	·42	·31	49·8	46·0	41·6	54·5	4·4	3·0	·255	·244	71	79	WNW 6	WNW 6–8	4	8	·085	Squally *a*. and *p*. .
16	·44	·63	46·8	49·0	44·5	50·6	3·0	1·8	·251	·303	79	87	NW 6–8	NW 7–8	8	6	·238	. showers.
17	29·74	29·87	49·6	49·0	46·3	52·0	3·9	3·0	·263	·276	74	79	NNW 7–8	N 3	10	3	·006	Overcast, with squally . *a*.
18	30·00	30·08	54·7	43·2	41·7	55·0	4·0	2·0	·321	·236	75	84	NNW 4	N 1	7	2	—	Fine day. *p*. [Cloudy *p*.
19	·12	·17	42·0	36·7	32·5	52·7	0·2	0·7	·263	·204	98	94	N 1	N 1	7	2	·037	*a*. Cloudy with ^{0}. *n*.
20	·08	·09	54·4	54·0	34·6	55·7	0·5	2·0	·409	·360	96	86	NW 4	NNW 5	10	4	·017	Overcast *a*. ^{0} showers.
21	·16	·28	54·2	53·0	50·5	57·5	1·6	1·0	·375	·374	89	93	NNW 3	NNW 1	10	7	·012	^{0}*a*. Dull day.
22	·33	·36	54·0	52·0	49·2	55·2	0·4	0·3	·406	·380	97	98	NW 2	WNW 1	7	10	—	Dull day.
23	30·33	30·17	52·2	53·5	50·0	53·5	1·9	1·9	·340	·357	87	87	W 2	W 3	10	10	—	Dull day.
24	29·93	29·71	55·0	51·0	51·0	55·8	2·3	0·5	·367	·361	85	97	WSW 6	NW 4	7	10	·263	Squally *a*. Dull, with .
25	·52	·35	46·9	44·3	43·0	51·5	0·1	3·6	·319	·215	99	74	WNW 3	NW 5	10	7	·137	Dull with showers. Squally *p*.
26	·26	·62	41·0	40·8	34·2	45·4	1·3	3·0	·229	·196	90	77	NNW 4	N 4–5	8	7	—	*a*. Fine, with squally .
27	·80	·84	43·4	37·6	36·8	45·7	3·7	1·4	·173	·198	61	88	N 5	NNW 1	3	4	·047	Squally *a*. Fine day. shower *sp*.
28	·91	·75	38·3	30·4	27·6	50·4	1·3	1·4	·205	·330	89	90	Calm 0	W 5–6	9	10	·182	. . showers *a*. Squally *p*.
29	·58	·60	54·7	55·2	49·2	56·5	1·8	2·0	·376	·379	88	87	WSW 5–6	NW 2	10	10	·039	Dull, with squally . showers.
30	·80	·66	51·0	51·2	45·5	55·2	3·7	1·2	·283	·345	76	92	Calm 0	S 3–4	3	10	·418	Cloudy day. ^{2} at night.
31	29·34	29·40	53·3	51·0	51·0	54·8	0·7	3·2	·387	·294	95	79	WNW 4	NNW 6–7	10	8	·013	^{2}*a*. Dull and squally. 6*p*.
Mean	29·888	29·901	52·3	50·5	45·7	55·7	2·1	1·6	·343	·333	85·7	88·4			3·8	3·4	7·7	6·4	2·318	

STONYHURST.—OCTOBER 1890.

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. 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	29·12	29·51	54·7	48·5	45·1	57·3	1·2	3·3	·394	·233	93	70	WSW 4	NW 2	10	2	·030	Overcast, with squally . showers.
2	·88	·88	49·0	46·2	37·6	54·5	4·5	2·1	·245	·265	70	86	Calm 0	swb.W 1	0	7	—	Clear and sunny *a*. Cloudy *p*.
3	·75	·70	54·2	56·0	45·6	59·3	2·4	1·6	·353	·402	84	89	WSW 4	WSW 4	10	9	·026	Overcast *a*. Sunny *p*. Squally day.
4	·74	·74	55·0	55·1	54·1	57·0	0·9	1·1	·406	·402	94	92	WSW 2	WSW 1	10	10	·050	Overcast, with ^{0}.
5	·70	·59	56·2	56·0	54·7	59·7	1·2	0·9	·416	·422	92	94	WSW 2	WSW 3	10	10	·180	Overcast. ● in evening.
6	·57	·59	52·5	52·6	51·7	56·9	0·9	0·7	·370	·377	93	95	WNW 2	Calm 0	10	7	·750	Overcast, with ^{0}.
7	29·48	29·71	56·0	48·2	44·8	59·6	1·0	2·6	·419	·243	93	81	SW 1	NE 1	10	0	·140	Overcast, with ^{0} *a*.
8	30·04	30·09	48·5	45·5	41·1	54·6	2·4	1·6	·282	·268	83	88	NE 1	Calm 0	1	0	—	*a*. Sunny day.
9	30·02	29·94	46·0	52·0	39·9	56·9	2·2	2·9	·261	·313	85	81	Calm 0	swbys 1	2	10	—	Sunny with ∞ *a*. Cloudy *p*.
10	29·93	·91	52·0	53·2	49·5	57·5	1·0	1·0	·361	·377	93	93	swbyw 1	WSW 1	10	10	—	Overcast.
11	·92	·97	53·0	54·6	51·1	58·5	0·9	1·0	·377	·398	94	93	swbyw 1	W 1	10	10	—	Overcast.
12	·99	·96	50·6	48·0	47·1	59·8	1·1	3·0	·341	·263	93	79	Calm 0	Calm 0	10	0	—	^{0} (mist). Clear *p*.
13	·95	·88	48·4	51·0	42·1	54·1	2·0	1·7	·291	·331	86	88	Calm 0	WbyS 1	10	0	—	^{0} (mist) *a*. Overcast and gloomy.
14	·75	·54	50·0	50·0	41·6	59·3	1·2	0·5	·329	·348	92	97	swbyw 1	SW 1	10	7	·320	^{0} (mist) *a*. Overcast. ^{0} *p*.
15	·18	·07	50·5	43·4	42·1	52·8	4·6	3·1	·258	·217	70	77	WNW 3	W 3	9	3	·480	10 *a*. . showers noon—1 *p*.
16	·15	·28	43·2	46·8	41·1	49·7	2·0	4·8	·236	·208	85	68	WNW 4	NW 2	8	0	·350	till 9 *a*. Squally with . .
17	·44	·53	47·4	47·2	41·2	50·5	3·9	3·2	·239	·251	74	78	NWb.W 2	WbyN 2	8	8	—	Cloudy and squally.
18	·70	·81	47·5	43·0	42·1	50·8	4·5	4·1	·228	·195	70	70	WbyN 1	WNW 1	7	8	—	Cloudy day.
19	·85	·91	43·6	41·4	38·6	49·3	4·1	2·9	·201	·203	71	79	NWbyN 1	NW 1	5	2	—	Cloudy day. Clear evening.
20	·88	29·82	43·0	46·5	36·1	46·5	1·7	0·6	·240	·303	86	95	Calm 0	WbyS 1	10	10	·144	Overcast, with ^{0} *a*. and *p*. ^{0} *p*.
21	29·90	30·01	47·2	48·1	45·6	50·8	1·1	1·1	·298	·308	93	92	NbyE 1	Calm 0	10	10	—	Overcast all day. ^{0} (mist) *p*.
22	30·07	30·10	48·0	49·8	47·1	52·9	0·8	0·9	·314	·335	94	93	Calm 0	Calm 0	10	10	—	^{0}(mist) *a*. Overcast all day.
23	30·07	29·94	52·0	50·0	48·1	53·8	1·5	1·9	·348	·312	90	87	WNW 1	swbyw 1	10	10	—	Overcast all day.
24	29·73	·50	52·0	51·8	48·8	54·8	1·5	0·9	·348	·361	90	93	WSW 2	SW 1	10	10	·800	Overcast all day. *p*.
25	29·29	·07	46·5	42·1	41·9	53·0	1·0	1·8	·293	·230	93	86	Calm 0	nwb.W 3	10	10	·418	^{0} noon. Overcast and cloudy.
26	28·97	·28	38·6	38·8	35·1	51·1	3·4	3·8	·171	·166	74	71	nwb.N 1	NNW 2	7	1	—	Clear and sunny. *n*.
27	29·50	·57	37·3	31·9	30·6	40·8	5·7	3·7	·126	·105	57	59	nwb.W 2	Calm 0	1	0	—	Cloudy with ∞ *a*. Overcast with .
28	·68	·54	29·9	44·5	24·1	44·5	2·6	0·3	·103	·286	62	98	Calm 0	WSW 2	6	10	·755	most of day. *p*.
29	·36	·34	51·8	53·0	43·9	54·0	1·5	1·4	·346	·363	89	90	WbyS 1	Wb.N 4	10	10	·260	Overcast and squally with .
30	·57	·50	43·8	44·5	41·3	53·7	2·6	1·7	·230	·255	80	87	Calm 0	Calm 0	0	10	·234	Sunny with ∞ *a*. Overcast with ∞ *p*.
31	29·15	29·08	51·5	48·2	43·8	52·1	0·6	2·1	·364	·285	95	86	E by S 1	WNW 3	10	7	·260	Overcast with .
Mean	29·656	29·657	48·4	47·8	43·1	53·7	2·1	2·0	·296	·291	84·5	85·2			1·3	1·4	7·9	6·5	5·197	

HILLINGTON.—OCTOBER 1890.

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	29·53	29·76	60·1	49·0	48·0	65·5	0·2	0·2	·512	·343	98	99	SW 6	SW 4	10	6	—	^{2} *p*.
2	30·14	30·23	49·8	43·7	42·8	58·6	0·2	0·1	·353	·283	98	99	NW 3	NW 0·5	0	6	—	Very fine day. ^{2} *p*. Fine sunset.
3	·10	·07	53·8	50·5	41·5	65·4	0·2	0·1	·409	·365	98	99	SW 4	SW 3	4	0	—	Very fine day. ^{2} *p*. Fine sunset.
4	·05	30·07	54·5	58·1	44·4	68·5	0·6	0·2	·407	·477	96	99	SW 3	SW 1	0	10	—	Very fine day. ^{2} *p*. Fine sunset.
5	30·03	29·97	58·5	56·1	52·5	63·9	0·4	0·2	·477	·444	98	98	SW 3	SW 2	4	0	—	Magnificent sunset. *p*.
6	29·88	·92	59·6	57·1	52·8	67·2	0·6	0·4	·491	·454	96	97	SW 1	SW 0·5	5	10	—	*p*.
7	29·90	29·99	59·2	51·2	50·5	60·2	0·5	0·2	·485	·371	97	99	SW 2	N 2	10	10	·080	most of day. *p*.
8	30·27	30·43	54·8	40·3	40·3	59·5	0·2	0·6	·424	·237	98	96	NE 3	N 1	8	0	—	Very fine and sunny. *p*.
9	·38	·25	48·2	41·0	31·8	60·6	0·6	0·3	·322	·250	96	98	S 1	S 1	0	0	—	*a*. Very fine. *p*. Fine sunset.
10	·26	·19	49·8	47·2	35·1	66·2	0·5	0·4	·345	·315	96	98	S 0·5	S 0·5	0	0	—	Very fine and sunny. *p*.
11	·23	·29	52·1	44·6	42·2	64·7	0·6	0·3	·373	·287	96	97	SW 0·5	SW 0·5	6	0	·007	Very fine and sunny. *p*.
12	·29	·28	46·5	42·5	36·5	67·6	0·2	0·8	·312	·254	98	94	SW 0·5	SW 0·5	10	0	·003	early *a*. Very fine and sunny. ^{2}*p*.
13	·26	30·19	44·7	40·5	33·1	66·7	0·3	0·1	·289	·250	97	99	SW 0·5	SW 0·5	4	0	·003	*a*. Fine day. ^{2} *p*. Fine sunset.
14	30·07	29·89	47·3	44·1	34·6	66·2	0·5	0·1	·313	·287	97	99	SW 0·5	SW 0·5	0	0	—	early *a*. Very fine and sunny. Much
15	29·54	·39	52·2	45·1	41·4	61·0	1·1	1·9	·361	·257	93	85	SW 5	SW 3	8	3	·147	in E. *p*. [cir. ^{2} *p*.
16	·41	·47	48·1	45·2	39·5	50·9	3·8	1·9	·248	·258	74	86	NW 6	NW 6	4	8	·090	early *a*. . *p*.
17	·65	·75	48·6	47·9	38·5	52·5	4·0	2·0	·250	·285	73	86	NW 6	NW 5	7	5	·058	early *a*. Cloudy *p*.
18	29·81	29·95	49·2	45·1	44·2	50·9	1·3	1·5	·317	·265	91	88	NW 6	NW 4	8	10	·200	early *a*. Windy, with showers.
19	30·03	30·10	46·1	46·9	45·0	48·3	1·5	2·6	·277	·261	89	82	NNW 3	WNW 3	10	10	·016	Frequent showers during day.
20	·14	·13	46·7	45·1	44·6	48·5	2·1	0·4	·270	·290	85	97	N 1	NW 0·5	10	10	·073	Overcast, with ^{0}.
21	·19	·30	48·7	41·1	40·1	53·9	0·9	1·4	·321	·228	94	89	E 1	NNE 0·5	6	10	—	Overcast from 2*p*. ^{2} *p*.
22	·41	·39	44·1	41·8	39·9	52·3	1·7	1·0	·251	·243	86	92	SW 1	SW 0·5	9	8	·020	Overcast from 3*p*. ^{2} *p*.
23	·34	30·24	49·4	50·0	39·5	53·3	0·7	2·3	·334	·303	95	84	NW 0·5	NW 1	10	10	—	Very damp and raw. ^{0} (mist).
24	30·08	29·86	50·1	49·2	47·9	57·9	1·7	0·9	·318	·327	88	94	NW 2	SW 2	10	10	·020	Overcast. *p*.
25	29·59	·37	48·9	44·0	44·0	53·1	3·0	0·4	·274	·278	80	97	SW 1	SW 3	10	10	·032	Overcast all day. ^{2} from 8*p*.
26	·25	·42	39·1	37·9	35·9	45·3	1·5	2·0	·208	·189	88	83	NW 4	NW 3	10	3	·175	^{2} 2*p*. *a* 4*p*.
27	·68	·83	36·5	36·0	34·1	43·1	2·8	4·0	·164	·141	77	66	NW 4	NW 2	5	2	—	Brilliant but cold.
28	·95	·96	35·1	33·8	28·3	44·2	2·4	3·0	·159	·137	77	70	NW 2	N 1	0	10	·236	*a*. Very fine and sunny. Cold *p*.
29	·77	·65	47·0	53·0	32·3	55·4	0·2	1·4	·318	·364	99	90	SW 4	WSW 3	10	10	·002	Blustering *a*. Fine and mild *p*.
30	·84	·86	48·4	44·0	42·9	55·3	1·6	1·3	·299	·258	89	90	NW 0·5	NW 1	5	10	·016	Fine, sunny and hot.
31	29·57	29·54	50·2	49·0	43·9	53·5	0·4	0·5	·353	·335	98	97	S 2	SW 0·5	10	10	·300	*a*. Overcast all day.
Mean	29·956	29·950	49·3	45·8	40·9	57·4	1·2	1·0	·330	·291	91·5	91·8			2·5	1·8	6·2	5·8	1·478	

CHURCHSTOKE.—OCTOBER 1890.

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.		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	29·03	29·35	57·8	48·1	47·1	59·4	4·8	3·6	·344	·252	72	75	W 6	NW 5	4	8	·020	/ ● *n.* Windy and cool, with ●⁰
2	·73	·76	49·9	45·4	37·0	59·2	4·3	2·3	·258	·252	72	84	W 2	NW 1	1	1	—	Clear and bright. [showers.
3	·62	·61	54·9	55·9	44·7	62·2	4·3	2·9	·317	·364	74	82	W 4	WSW 4	2	8	—	Fresh and breezy.
4	·61	·61	55·0	58·0	53·6	62·9	2·0	2·0	·375	·421	87	87	W 3	W 2	10	9	—	
5	·57	·50	58·2	57·8	54·0	62·7	3·5	2·8	·381	·396	79	82	W 3	W 3	8	9	—	Dull day.
6	·45	·44	58·2	56·7	56·0	62·6	3·0	1·7	·396	·410	81	89	W 2	W 1	10	9	·166	⌒ *p.*
7	·32	·49	56·7	52·4	52·0	60·5	1·3	0·4	·421	·382	92	97	W 3	W 1	10	10	·272	Driving storms of ● most of day.
8	·82	·90	45·5	37·8	36·0	55·1	1·3	0·9	·274	·209	91	93	SE 1	NE 1	1	0	—	⌓² Bright and cool.
9	·90	·79	47·7	41·8	33·8	61·9	2·8	0·9	·265	·245	81	93	E 2	E 1	4	0	—	⌊ early *a.* Cool, with ≋⁰ (mist).
10	·76	·75	53·9	43·0	38·2	60·3	1·9	0·1	·362	·275	87	99	NNW 2	E 1	4	0	—	⌊ early *a.*
11	·76	·78	53·1	43·5	39·0	64·4	2·1	0·4	·346	·273	85	97	W 2	Calm 0	5	0	—	⌊ early *a.* Fine and bright.
12	·81	·79	47·1	41·0	31·8	70·2	2·4	1·1	·268	·233	83	91	Calm 0	Calm 0	0	0	—	⌊. Clear and still.
13	·77	·73	52·6	44·0	35·5	56·3	1·8	0·7	·348	·272	88	94	WSW 1	W 1	10	0	—	⌊ ⌓
14	·58	·40	52·7	52·4	38·2	59·9	1·2	2·1	·365	·338	92	86	W 1	N 2	1	1	·080	⌓
15	·08	·01	49·1	40·8	38·8	54·1	1·5	1·9	·311	·216	89	85	NW 2	W 3	8	3	·272	●⁰ showers. ⌒
16	·10	·22	45·3	45·8	39·1	49·9	2·9	1·9	·238	·265	79	86	NW 3	W 3	6	5	·045	Fresh and breezy. ● showers.
17	·34	·41	47·9	46·4	44·2	52·9	4·0	3·5	·242	·237	73	76	NW 2	NW 2	8	10	—	Cold wind.
18	·52	·61	50·7	39·8	38·0	54·1	2·9	1·7	·297	·211	81	87	NW 2	NNW 1	9	2	—	Threatening, with cold wind.
19	·68	·72	42·0	35·9	30·9	51·0	2·3	1·0	·218	·191	83	92	W 1	NW 1	3	0	—	Bright and sharp.
20	·72	·67	38·6	52·5	29·0	52·7	0·7	2·2	·220	·336	95	85	E 1	W 1	10	10	·005	Dull day.
21	·70	·82	50·2	47·5	46·8	52·7	1·4	0·6	·327	·313	91	95	W 1	Calm 0	10	10	·080	● *a.* ≋ *p.*
22	·89	·95	46·8	48·2	44·2	51·5	0·5	0·1	·307	·335	96	99	Calm 0	Calm 0	10	10	·023	≋⁰ (mist). Overcast and mild.
23	·93	·78	48·4	47·5	42·0	52·9	0·2	1·0	·335	·304	98	93	Calm 0	W 1	10	10	—	Overcast all day.
24	·60	29·36	53·1	52·9	46·0	54·8	2·9	2·4	·327	·336	80	85	WNW 2	W 3	9	3	·009	Fresh and breezy. Clear evening.
25	29·17	28·97	46·0	43·0	42·2	55·1	1·3	1·6	·379	·242	91	87	W 1	WNW 3	10	1	·261	● *n.*
26	28·84	29·11	33·4	35·6	32·2	43·2	0·5	0·7	·180	·194	95	94	N 1	N 3	7	7	·202	✳ *8a.*—*9a.* and *5p.*—*8p.* ▲ Dis-
27	29·36	·42	35·7	34·9	30·0	43·8	1·8	1·0	·174	·185	85	91	N 1	WNW 1	9	8	·078	✳ storm early *a.* [tant T.
28	·52	·46	33·4	43·7	28·7	44·3	1·5	1·1	·160	·260	84	91	Calm 0	Calm 0	1	10	·016	⌊ *a.*
29	·33	·23	51·4	54·9	43·0	55·1	2·0	1·7	·327	·381	87	89	W 3	W 2	10	10	·035	Fresh and squally. ●⁰ from *4p.*
30	·38	29·33	49·5	44·8	44·0	56·6	1·0	0·9	·328	·276	93	93	E 1	W 1	10	8	·048	Dull and still.
31	29·04	28·96	52·7	48·0	44·0	54·9	1·5	1·4	·357	·301	89	90	WSW 2	NW 1	10	3	·005	Threatening. ● at night.
Mean	29·513	29·513	49·0	46·5	40·6	56·0	2·1	1·5	·302	·287	85·6	89·3	1·8		1·6		6·8	5·3	1·417	

CARMARTHEN.—OCTOBER 1890.

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	29·50	29·82	59·2	50·7	50·3	60·4	3·8	3·7	·388	·279	77	76	W 3	NW 4	6	5	—	
2	30·15	30·14	56·4	44·3	42·0	59·2	4·8	1·0	·323	·268	71	92	Calm 0	Calm 0	0	7	—	Fine day.
3	·09	·03	58·2	56·2	43·9	60·4	5·0	0·3	·344	·443	71	98	SW 4	SW 2	7	10	·070	
4	30·01	30·01	58·5	54·7	53·8	63·9	0·4	0·3	·477	·419	98	98	SW 1	SW 1	10	8	·020	Frequent ●⁰ showers.
5	29·99	29·92	58·2	57·0	53·5	60·1	0·9	0·6	·457	·446	94	96	SW 1	SW 1	10	10	·100	Dull, with ●.
6	·86	·82	59·4	57·3	56·2	63·2	1·5	0·2	·457	·464	91	99	W 1	Calm 0	9	10	·840	Dull, with ●.
7	29·71	29·83	58·1	55·5	54·8	61·2	0·1	1·1	·480	·407	99	93	SW 3	Calm 0	10	10	·160	Overcast, with ● all day.
8	30·17	30·23	55·3	45·6	45·3	61·5	4·2	1·1	·324	·280	74	92	SE 1	Calm 0	4	0	—	⌓². Fine day.
9	·23	·17	54·7	44·8	37·5	64·1	4·3	0·5	·315	·285	73	96	Calm 0	Calm 0	0	0	—	Fine day. ≋ in valley.
10	·17	·13	55·7	47·6	35·4	65·4	3·6	0·3	·344	·323	78	98	Calm 0	Calm 0	0	0	—	⌓². Fine day. ≋ at night.
11	·14	·16	54·7	47·6	41·4	64·0	0·5	0·4	·413	·321	96	97	Calm 0	Calm 0	2	10	·020	⌓². ≋ *p.*
12	·19	·15	46·8	45·8	43·1	61·6	0·1	0·6	·318	·294	99	95	Calm 0	Calm 0	10	0	—	≋ till noon. Fine *p.*
13	30·16	30·09	48·3	52·7	40·6	61·7	0·4	0·3	·329	·389	97	98	Calm 0	Calm 0	10	10	—	Dull, with ∞.
14	29·98	29·81	53·7	52·1	48·8	58·0	1·4	0·0	·373	·389	90	100	E 1	Calm 0	9	0	·250	Dull day.
15	·51	·47	55·7	45·4	44·9	57·3	4·5	3·7	·322	·224	72	74	NW 2	NW 4	4	0	·150	● showers.
16	·58	·67	48·8	48·8	44·8	52·4	3·3	4·3	·267	·246	78	71	NW 5	NW 5	6	8	·070	Windy, with ● showers.
17	·81	29·80	50·7	49·9	47·0	54·3	3·5	1·6	·283	·318	77	89	NW 1	NW 1	9	5	·010	● showers.
18	29·93	30·00	55·9	47·6	47·0	59·2	3·5	2·8	·349	·264	78	81	N 2	N 1	6	0	—	Fine day.
19	30·09	·09	48·8	47·8	34·9	58·5	2·3	1·3	·256	·301	83	91	Calm 0	Calm 0	7	0	—	Fine day.
20	·12	·06	40·4	54·5	33·3	55·3	0·4	0·7	·242	·404	97	96	Calm 0	E 1	10	6	·030	Dull, with ●.
21	·10	·19	53·5	50·7	50·4	58·2	1·7	0·3	·362	·362	89	98	N 1	Calm 0	10	10	—	
22	·30	·32	49·5	51·5	48·2	54·6	0·3	0·9	·346	·357	97	93	Calm 0	Calm 0	10	8	—	Dull, with ∞.
23	·33	30·19	48·3	50·2	42·7	55·3	0·1	0·8	·336	·343	99	95	Calm 0	Calm 0	10	10	·030	Dull day.
24	30·04	29·77	53·5	54·1	48·6	57·0	1·3	0·0	·373	·419	90	100	W 1	SW 2	10	10	·180	Dull day.
25	29·53	·42	47·5	48·1	44·7	55·8	1·0	1·6	·304	·296	93	89	SW 1	W 3	10	10	·190	Dull day.
26	·22	·54	40·7	41·7	37·6	48·6	2·3	1·8	·210	·226	83	87	NW 1	N 1	10	8	·590	△ *10a.* Frequent ▲ ≺.
27	·80	·81	37·1	35·7	33·0	43·0	0·8	0·1	·205	·208	93	99	N 1	Calm 0	10	10	·710	Frequent ✳ ▲ △ ●.
28	·93	·87	36·9	42·9	29·5	46·1	0·3	0·2	·214	·272	97	99	Calm 0	Calm 0	5	4	·060	∞ *a.* and *p.* ● showers.
29	·78	·65	51·9	56·3	41·2	57·1	1·1	0·1	·357	·451	93	99	W 2	NW 1	10	10	·100	Dull, with ● showers.
30	·75	·71	59·2	52·3	51·8	59·4	2·8	0·5	·416	·378	83	97	N 1	W 2	6	10	·120	Dull day.
31	29·44	29·36	53·7	51·7	49·0	57·7	0·3	1·3	·404	·349	98	91	W 2	NW 2	10	9	·280	Frequent ● showers.
Mean	29·923	29·909	51·8	49·7	44·4	57·9	1·9	1·0	·342	·336	87·4	92·8	1·1		1·0		7·4	6·4	3·980	

MARGATE.—OCTOBER 1890.

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. 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	29·80	60·2	52·6	51·9	62·0	5·0	5·6	·371	·261	71	66	SW 5	SW 3	10	0	—	/
2	30·20	30·31	50·1	47·0	45·4	59·0	5·1	3·0	·243	·253	67	79	WNW 3	W 3	0	0	—	Fine day.
3	·23	·17	55·0	52·8	44·1	65·0	4·1	2·2	·323	·340	75	85	SW 4	SW 3	0	0	—	Bright and sunny.
4	·13	·12	57·8	55·3	48·2	66·5	3·8	1·6	·369	·389	77	89	SW 3	SW 2	8	1	—	Bright and sunny.
5	30·10	30·06	57·9	57·4	52·3	63·1	3·8	1·5	·370	·425	77	90	SW 1	SW 2	6	10	—	
6	29·99	29·98	60·0	59·0	57·3	67·0	4·0	2·1	·396	·433	76	87	SW 2	SW 2	7	10	—	
7	29·96	29·87	60·0	59·0	55·4	61·0	2·7	0·4	·431	·485	84	98	SSW 2	SW 3	10	10	·280	●² *p.*
8	30·21	30·38	56·8	54·1	53·5	59·0	6·1	6·5	·301	·259	66	62	SW 4	SW 4	5	0	—	Beautiful sunset.
9	·39	·32	53·3	44·5	43·6	59·5	5·3	2·1	·274	·246	67	84	S 1	Calm 0	2	0	—	Fine day. ⌓² *p.*
10	·27	·27	50·9	49·4	39·9	63·0	3·1	1·2	·295	·322	80	91	S 1	S 1	0	0	—	Fine day.
11	·28	·30	54·4	51·5	45·0	67·6	2·6	0·8	·351	·360	83	94	W 2	Calm 0	0	0	·010	Very fine day.
12	·33	·31	55·3	49·9	45·1	67·7	2·0	2·9	·379	·286	87	81	W 1	Calm 0	0	0	—	⌓ *a.* Very fine and warm.
13	·31	30·23	49·0	51·1	40·2	62·0	0·1	0·2	·345	·370	99	98	Calm 0	Calm 0	10	10	·010	≋ all day.
14	30·09	29·94	53·9	53·4	42·1	57·1	0·1	0·2	·413	·403	99	98	Calm 0	W 1	10	10	·020	≋ all day.
15	29·71	·49	54·8	47·0	45·1	58·0	3·5	2·5	·334	·264	78	83	SSW 3	SW 2	0	2	·100	⌓ *a.* Fine *a.* ● in afternoon.
16	·50	·51	49·1	46·0	42·3	53·8	3·6	2·7	·264	·249	75	81	W 5	SW 5	0	10	·090	Rough /.
17	·69	·75	49·0	48·9	45·1	53·1	3·0	3·2	·275	·270	79	79	SW 5	SW 5	10	0	—	Rough /.
18	29·78	29·92	50·8	47·7	46·8	52·1	3·8	3·0	·277	·261	75	80	SW 5	SW 4	10	9	·020	Rough /.
19	30·01	30·07	48·1	48·5	45·7	49·5	2·9	2·7	·267	·275	79	82	SW 3	N 2	10	10	—	Dull and cool.
20	·13	·14	47·9	48·9	47·6	50·6	2·2	2·9	·280	·275	85	80	N 2	NE 1	10	10	·050	Sunny day.
21	·18	·30	49·8	47·6	46·1	52·7	2·0	2·6	·307	·268	87	82	NW 1	NE 1	10	7	—	≋ *a.*
22	·43	·46	45·0	38·0	37·2	50·2	6·1	2·2	·179	·186	60	81	Calm 0	Calm 0	0	0	—	
23	·36	30·27	48·6	52·1	37·8	52·1	0·3	1·3	·335	·355	98	91	SW 1	SW 1	10	10	·010	≋ *a.*
24	30·14	29·96	50·5	51·3	48·1	56·0	2·7	1·3	·299	·343	82	91	W 1	W 2	10	10	·010	Dull day.
25	29·65	·46	55·4	45·2	44·7	55·4	1·3	1·1	·410	·275	92	92	SW 3	SW 3	10	0	·360	● from noon.
26	·32	·43	43·0	41·2	37·4	45·5	2·5	1·4	·225	·229	81	89	SW 3	N 3	4	10	·030	
27	·72	29·86	38·6	38·8	37·1	42·6	2·8	4·0	·182	·163	78	70	NNW 3	N 3	5	0	—	Fine but cold. ⊓
28	·96	30·04	37·0	33·6	32·6	42·6	1·7	2·6	·187	·142	85	74	W 1	SW 3	0	9	—	⌊⁰ *a.* Fine but cold. ⊓
29	·89	29·76	49·3	52·5	33·0	55·5	1·7	1·9	·307	·344	88	87	SW 3	W 3	10	10	—	Fine day.
30	·84	·89	53·5	47·0	42·1	55·0	2·1	0·8	·352	·303	86	94	W 1	Calm 0	10	9	—	⊓ ⌓
31	29·66	29·38	51·7	52·0	43·2	55·8	0·7	0·9	·365	·364	95	94	W 1	SW 2	10	10	·190	≋ *a.*
Mean	30·004	29·991	51·5	49·1	44·4	56·8	2·9	2·2	·313	·303	81·0	84·9	2·3		2·1		6·0	5·4	1·180	

SOUTHAMPTON.—OCTOBER 1890.

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	29·73	29·89	59·3	48·8	48·2	62·4	2·6	3·1	·423	·272	84	79	SW 5	NW 3	10	0	·020	● showers.
2	30·27	30·34	54·0	47·5	42·2	63·0	4·6	1·3	·297	·296	71	90	NW 2	WSW 1	6	3	—	⌓ *a.* and *p.* Beautiful day throughout.
3	·29	·22	57·2	53·5	42·0	66·1	3·4	1·1	·370	·379	79	92	WSW 2	SW 2	0	0	—	⌓ *a.* and *p.* Beautiful day throughout.
4	·18	·18	59·5	58·9	50·9	64·8	1·9	1·3	·448	·456	89	92	WSW 2	WSW 1·5	10	10	—	
5	·16	·10	60·1	57·4	51·8	65·3	2·8	1·3	·431	·432	83	92	WNW 2·5	SW 1·5	10	10	—	
6	30·04	30·02	56·8	58·8	53·9	65·2	0·7	1·2	·441	·458	95	93	SW 1	SW 1	10	10	·037	⌓ *a.*
7	29·98	29·93	58·6	59·6	56·9	60·7	0·6	0·5	·475	·495	96	97	SW 2	SW 1·5	10	10	·064	● at times.
8	30·25	30·37	55·0	47·1	47·1	62·1	3·4	1·4	·354	·290	79	90	NE 2	NE 1	1	0	—	Beautiful day throughout. ⌓ *n.*
9	·39	·32	55·4	44·2	41·3	60·6	4·1	0·6	·329	·277	75	96	E 1	NE 1	1	0	—	⌓ *a.* and *p.* Beautiful day.
10	·31	·28	47·2	47·6	35·3	65·5	1·3	0·6	·294	·315	91	96	NE 1	Calm 0	0	0	—	≋ *a.* and *p.* Beautiful day. [day.
11	·31	·31	46·7	48·4	38·1	67·9	0·7	0·7	·302	·323	95	95	W 1	SW 1	0	0	·005	≋ ⌓ early *a.* ⌓² *a.* and *p.* Beautiful
12	·35	·32	47·0	47·3	39·1	64·1	0·1	0·7	·321	·309	99	95	NNE 0·5	NE 0·5	10	10	·012	≋ ⌓ *a.* and *p.* Beautiful afternoon.
13	·31	30·23	45·7	47·4	43·4	66·1	0·3	0·6	·301	·313	98	96	E 1	NE 1	10	0	—	⌓² ≋⁰ *a.* Beautiful day from *10a.*
14	30·11	29·99	48·8	48·5	38·2	69·5	0·6	1·2	·351	·311	95	91	E 0·5	WNW 0·5	1	0	·020	⌓² ≋⁰ *a.* Beautiful day throughout.
15	29·74	·59	54·0	47·1	46·6	57·1	1·3	1·1	·380	·297	91	92	SW 2·5	WSW 2	10	4	·262	● *a.* Beautiful afternoon. [⌓ *n.*
16	·65	·69	52·0	46·9	41·5	56·9	4·8	3·3	·270	·247	70	78	NW 3	NW 4·5	1	0	—	Beautiful day, but with cold wind.
17	·86	29·88	51·0	47·5	45·0	55·8	3·9	1·5	·278	·291	75	89	NW 4	NW 1	8	1	—	Fine day, but with cold wind. ⌓⁰ *n.*
18	29·98	30·07	52·5	42·9	41·0	57·6	3·7	2·6	·300	·222	76	81	NW 3	N 3	2	0	—	Beautiful day, but with cold wind.
19	30·17	·19	42·1	43·3	38·3	51·7	2·7	2·0	·213	·237	80	84	NW 3	NW 2·5	10	0	—	Cloudy and cold.
20	·23	·18	43·2	47·8	39·9	53·4	2·0	1·3	·236	·301	85	91	NW 0·5	WSW 1	8	10	·018	Day dull.
21	·19	·32	50·8	43·6	43·4	52·6	0·7	0·6	·353	·270	95	95	NE 1	NE 1	10	0	·007	⌓² ≋⁰ at night.
22	·43	·46	47·5	42·6	39·6	55·7	1·0	0·7	·304	·258	93	94	NE 1	SSE 0·5	2	1	—	⌓² *a.* and *p.* Beautiful day. ≋⁰ *n.*
23	·44	·33	53·1	52·0	42·6	58·4	1·8	1·3	·354	·353	87	91	NW 1	NW 0·5	9	10	—	
24	30·20	30·02	52·8	52·5	48·9	58·0	2·1	1·6	·343	·351	86	89	WNW 1	SW 2	10	9	·050	●⁰ *11a.* Fine and pleasant.
25	29·72	29·57	54·6	45·0	45·2	58·0	0·8	1·1	·404	·281	95	92	NW 2	WSW 1·5	10	0	·257	● till *4p.* ●² (very heavy) *3.15p.*
26	·39	·58	44·7	36·5	36·1	48·5	2·4	1·5	·242	·187	82	87	SW 1	NNW 3	9	0	·030	● *10a.* Beautiful day, but cold.
27	29·86	29·94	40·3	33·3	32·8	48·1	3·5	0·9	·184	·172	73	90	N 3	NW 0·5	0	0	—	⌓ *a.* and *p.* Beautiful day.
28	30·05	30·07	33·6	35·8	28·4	48·4	1·4	1·0	·164	·193	85	92	Calm 0	WSW 0·5	1	10	·010	⌓⁰ ≋⁰ *a.* Beautiful day. ≋⁰ *p.*
29	29·97	29·80	48·0	54·8	35·2	58·8	0·6	0·8	·319	·406	96	94	WSW 1	WSW 2	10	10	·018	Beautifully fine and mild. ● *5p.* and *9p.*
30	·87	·88	54·8	54·3	52·3	60·2	0·1	0·6	·428	·405	99	96	Calm 0	SE 1·5	10	10	·035	Dull and damp, with ≋ ● *a.*
31	29·63	29·43	54·5	49·5	49·5	57·2	0·4	0·8	·474	·333	97	94	SW 2·5	W 1·5	10	4	·070	● *9a.*—*11a.* and *1p.*
Mean	30·067	30·048	51·0	48·1	43·1	59·3	1·9	1·2	·332	·314	86·9	91·1	1·7		1·5		6·4	3·9	0·915	

BABBACOMBE.—OCTOBER 1890.

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	29·50	29·74	56·7	47·8	46·4	61·4	0·6	3·0	·441	·262	96	80	WSW 5	WNW 2	10	0	·040	[showers p. ☂ p. Dull and gloomy, with ● a. ●
2	30·04	30·10	57·9	47·4	44·9	61·3	5·1	1·8	·338	·284	70	87	ENE 2	WSW 1	1	3	—	n. Fine day. ☂ 0 p. 0 p.
3	30·05	30·00	57·5	50·6	44·2	64·4	4·3	1·6	·352	·327	74	89	WSW 3	WSW 2	1	1	—	n. and p. Fine day.
4	29·96	29·98	59·1	57·4	49·1	62·5	1·3	1·4	·459	·428	92	91	SW 2	SW 2	10	10	—	Dull day. ≋ 0 (mist) p.
5	·94	·85	59·6	55·0	54·2	60·7	2·0	0·9	·446	·406	88	94	WSW 3	SW 2	10	10	—	Dull day. Gloomy, with ≋ 0 (mist) p.
6	·82	·80	62·3	57·4	55·0	64·0	4·3	0·9	·422	·444	75	95	W 3	WSW 2	8	10	·030	Dull day. Gloomy p.
7	29·73	29·71	58·0	59·1	56·3	60·3	1·2	0·3	·444	·491	92	98	SW 4	WSW 3	8	10	·020	● n. Dull day. (gale) 1p.
8	30·02	30·11	54·0	55·0	51·2	59·6	3·8	4·0	·317	·325	75	75	ENE 3	ESE 3	1	1	—	Fine day. ⊕ 0 4p. [Gloomy p.
9	·11	·07	55·3	45·9	45·9	61·1	2·9	1·1	·356	·283	81	93	E 1	E 1	8	0	—	≋ 0 (mist) a. and p. ☂ p. [4p.
10	·06	·04	56·0	48·0	37·0	61·7	3·2	0·7	·358	·317	80	95	ENE 1	WNW 1	0	0	—	≋ 0 (mist) a. and p. Fine day. ☂ 2
11	·06	·07	55·8	46·3	38·4	62·6	2·4	0·6	·375	·299	84	96	Calm 0	Calm 0	1	0	·010	[☂ 2 n. and p. Fine day. ≋ 0 (mist),
12	·09	30·07	49·0	49·2	37·5	58·7	0·0	0·2	·348	·345	100	99	NE 1	Calm 0	10	2	—	☂ 2 n. Dull, with ≋ ☂ 2 p.
13	30·06	29·99	48·1	48·4	45·0	59·1	0·0	0·5	·336	·328	100	96	NNE 1	Calm 0	10	1	—	[☂ 2 n. and p. ≋ till 1p.
14	29·88	·78	57·0	50·1	37·8	66·1	4·8	0·7	·333	·344	71	95	WNW 1	WSW 1	1	4	·010	☂ 2 n. Fine day. ≋ 0 (mist),
15	·50	·44	54·3	47·6	47·0	59·5	0·7	1·8	·401	·286	95	88	WSW 5	WNW 5	10	8	·140	● showers. ☂ 2 n. [☂ 2 p.
16	·51	·60	51·7	47·1	42·3	56·6	6·3	4·0	·238	·234	62	73	NW 4	NW 4	1	3	—	Fine day. Squally p. [till 7p.
17	·72	·70	51·7	50·0	46·7	58·0	4·7	0·2	·269	·356	70	99	NW 4	NNE 2	8	10	·080	Gloomy, with ≋ 0 (mist) 5p.–6p. ≋ 0
18	·81	·88	55·8	48·5	45·3	62·2	4·5	3·2	·324	·265	73	78	NNW 3	NNW 3	0	0	—	Fine day.
19	29·97	·97	48·6	46·7	39·0	56·8	3·5	1·8	·260	·276	76	87	WNW 1	NNW 1	0	1	—	[Fine day.
20	30·01	29·96	50·8	52·4	37·2	58·8	5·0	1·1	·253	·364	69	92	NNE 1	NW 2	1	3	—	n. ≋ 0 (mist) a. ☂ a. and p.
21	29·97	30·06	54·1	51·7	51·5	58·3	2·1	2·0	·360	·331	85	87	NNW 2	ENE 2	10	10	—	n. Dull, with ≋ 0 (mist) p.
22	30·17	·22	52·4	50·5	46·1	55·6	3·0	2·4	·315	·306	80	84	NE 1	NNW 1	10	10	—	Dull day.
23	30·21	30·12	52·2	51·7	48·3	63·2	1·5	2·0	·321	·331	90	87	WNW 1	NW 1	7	9	—	≋ 0 (mist).
24	29·99	29·79	52·7	53·7	49·5	58·2	2·0	1·8	·344	·362	87	88	WSW 3	WSW 4	7	10	—	n. ≋ 0 (mist) a.
25	·52	·39	55·1	46·8	46·2	59·0	1·3	1·9	·397	·275	91	86	WSW 3	WSW 3	10	7	·060	≋ (mist) a.
26	·22	·43	40·1	39·3	38·3	49·6	1·2	2·3	·224	·196	90	82	WNW 2	WNW 3	8	8	·010	Dull, with ● 0. ☂ (gale) 1p. ☂ p.
27	·68	·76	43·0	37·0	36·0	47·9	3·3	1·1	·209	·199	76	90	NNW 3	WNW 2	7	8	·100	● showers till 2p. ☂ 0 10p.
28	·82	·83	45·7	43·6	36·4	51·5	3·5	1·9	·231	·242	75	86	NNW 2	WSW 2	1	7	·010	● n. ≋ 0 (mist) p. ☂ 0 9p.
29	·76	·61	53·0	55·7	43·3	56·8	3·0	1·4	·323	·403	80	91	W 3	WNW 3	9	9	—	Dull day. ☂ p.
30	·66	·64	56·6	54·0	53·2	64·8	1·0	0·9	·428	·391	93	94	NW 1	NNE 1	9	10	—	≋ 0 (mist) a. and p.
31	29·42	29·26	54·8	49·9	49·3	60·6	1·9	0·4	·375	·349	88	98	WNW 3	NW 2	10	10	·190	● 2 5p. ≋ 0 (mist) p.
Mean	29·847	29·837	53·5	49·8	45·1	59·3	2·7	1·5	·343	·324	82·5	89·5		2·3		2·0	5·8	5·6	0·700	

LONDONDERRY.—OCTOBER 1890.

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	29·50	29·99	48·9	45·0	44·6	56·0	3·9	1·6	·256	·262	74	88	SW 4	NW 1	4	1	·170	● showers all day.
2	30·19	·98	46·9	54·0	39·0	54·4	1·6	2·5	·283	·347	89	83	SE 2	SW 4	10	10	—	Fine day.
3	29·92	·92	56·6	56·5	53·4	58·6	1·9	1·1	·403	·424	87	93	SW 5	SW 4	10	10	·020	● 0 7p.—10p.
4	·97	·94	57·7	58·7	55·2	60·2	1·0	1·4	·446	·450	93	92	SE 2	SW 3	10	10	·110	● at times.
5	·90	·76	56·7	56·5	55·5	60·3	1·0	0·8	·430	·433	93	95	SW 2	SW 3	10	10	·040	● at times.
6	·86	29·84	53·7	50·9	50·0	57·3	3·5	2·2	·319	·317	77	85	SW 2	SW 1	10	10	·210	● 0 at times.
7	29·81	30·13	49·7	45·9	45·4	61·2	1·0	1·6	·331	·273	93	89	NE 2	NW 1	5	0	—	Fine day.
8	30·33	·30	44·6	47·7	38·0	60·1	1·0	1·2	·271	·301	92	92	NE 1	S 1	0	0	—	≋ before 9a. Fine and clear.
9	·23	·17	50·2	55·9	44·8	56·8	1·5	1·2	·325	·412	90	92	SE 2	SW 2	10	10	—	
10	·15	·10	57·7	56·7	55·0	61·5	2·0	2·0	·417	·401	87	87	SE 2	SW 4	8	10	—	
11	·13	·20	56·9	57·7	53·6	60·2	1·8	1·4	·409	·434	89	91	SW 3	W 2	10	10	·010	
12	·19	·16	52·9	50·5	49·0	59·5	1·7	1·0	·353	·342	88	94	SW 1	W 1	10	0	—	● 0 7p.—8.30p.
13	30·15	30·03	51·7	56·2	49·5	59·0	1·5	3·1	·344	·365	89	81	SW 2	SW 2	4	10	·080	
14	29·92	29·64	52·7	50·8	49·8	57·6	1·0	1·1	·370	·343	93	92	SW 3	WNW 3	8	10	·300	● at night.
15	·48	·42	44·7	47·7	42·0	54·0	2·3	3·8	·244	·244	83	74	SW 3	W 5	6	5	·510	● 7p.—midt.
16	·59	29·82	44·7	48·5	42·8	49·8	2·7	3·8	·236	·253	80	74	SW 4	NW 4	10	8	·060	Squally ☂ ● all day.
17	29·91	30·04	49·7	48·5	45·4	51·7	3·8	3·6	·266	·257	75	75	SW 2	NW 1	10	8	—	● showers.
18	30·17	·22	54·2	47·5	46·0	55·7	3·2	1·8	·297	·285	79	88	NE 2	NE 1	8	0	—	
19	·26	·26	47·2	51·2	41·0	54·5	1·3	0·5	·293	·363	91	97	SW 2	SW 2	10	10	·050	Fine day.
20	·23	·23	55·1	51·8	50·8	56·0	1·4	0·9	·394	·361	90	93	SW 2	SW 1	10	10	·180	● in evening.
21	·27	·35	52·7	51·8	49·8	55·8	1·0	1·1	·370	·356	93	92	SW 2	W 1	10	5	—	
22	·43	·44	48·7	51·7	46·8	58·2	0·5	1·0	·331	·357	96	93	SW 2	Calm 0	6	10	—	
23	30·37	30·14	50·7	52·3	49·5	54·4	1·0	1·5	·345	·352	93	90	SW 1	SW 3	10	10	—	
24	29·91	29·83	53·7	47·9	46·0	56·8	1·0	2·2	·384	·279	93	85	SW 2	NW 2	10	10	·120	● 0 in evening.
25	·61	·36	46·4	39·7	37·0	50·0	0·7	2·1	·299	·203	95	83	SW 3	NW 3	10	10	·410	Squally ☂ ● showers.
26	·46	·91	40·2	37·7	34·0	46·4	3·0	1·2	·191	·202	77	90	NE 2	N 3	5	10	·300	● showers. ✳ ● (sleet).
27	·97	·98	38·7	39·5	35·7	44·1	1·5	0·8	·206	·226	88	94	NE 2	N 2	5	3	·340	△ ● showers all day.
28	·96	·78	42·7	52·2	35·0	53·2	1·0	2·5	·252	·325	92	83	SE 2	SW 2	10	10	·340	● nearly all day.
29	·53	·64	54·4	49·2	47·0	56·5	1·1	2·0	·391	·301	93	86	SW 2	SW 2	10	10	·060	● showers.
30	·87	·56	43·7	52·2	41·0	57·3	1·3	0·5	·256	·377	89	97	SW 2	SW 2	2	10	·160	Fair a. ● from 4p.
31	29·44	29·57	51·7	48·8	48·2	53·8	1·7	1·8	·339	·300	88	87	SW 2	NNW 2	10	2	·070	● in evening.
Mean	29·957	29·961	50·1	50·4	45·8	55·8	1·7	1·7	·324	·327	88·0	88·2		2·3		2·2	8·1	7·5	3·540	

ARMAGH.—OCTOBER 1890.

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	29·42	29·82	52·0	44·0	43·8	58·0	5·9	1·2	·248	·261	65	90	WNW 1	NW 1	7	5	·010	
2	30·08	·94	50·6	52·6	37·9	56·5	3·6	3·0	·280	·318	76	80	SSW 1	SW 2	2	10	—	
3	29·84	·85	57·2	56·4	51·0	59·7	2·8	2·4	·386	·385	82	85	SW 3	SW 2	10	10	—	Overcast all day.
4	·87	·85	56·9	57·8	55·0	61·2	1·3	0·7	·424	·457	92	95	SW 2	SW 2	10	10	·028	Overcast all day.
5	·81	·69	59·5	58·0	55·8	62·7	3·5	2·0	·401	·421	79	87	SW 2	SW 2	10	10	·050	
6	·75	·70	53·3	50·0	50·0	59·0	2·0	0·0	·351	·361	86	100	SW 1	SW 0·5	10	10	·315	
7	29·63	29·98	50·2	43·5	42·8	56·5	0·2	0·1	·358	·289	99	99	NNE 1	N 0·5	10	2	—	
8	30·20	30·19	48·9	48·4	36·0	57·6	1·3	1·3	·315	·308	91	91	ESE 1	SSE 1	2	0	—	
9	·13	·07	51·6	54·6	39·1	57·9	2·7	1·7	·314	·378	81	89	SSW 1	SSW 2	3	4	—	
10	·06	·02	56·7	53·7	53·6	61·2	2·6	2·7	·384	·338	84	82	SW 2	SSW 2	10	8	—	
11	·04	·09	56·0	57·0	51·0	61·0	2·1	2·3	·388	·397	86	85	SW 2	SW 1	10	10	—	Overcast all day.
12	·09	30·05	50·1	52·8	46·2	59·2	1·3	1·8	·328	·350	91	87	SSW 1	S 1	10	10	—	
13	30·04	29·94	51·2	52·8	51·0	58·2	1·9	1·2	·328	·366	86	91	S 1	SSW 1	10	8	—	
14	29·81	·58	53·7	49·9	48·8	59·5	1·7	1·9	·364	·310	88	87	SSW 1	SSW 3	10	8	·262	
15	·37	·33	48·6	43·1	39·8	54·1	3·8	1·1	·254	·254	74	91	SW 2	W 1	4	9	·190	
16	·50	·70	46·0	45·6	40·0	51·6	4·2	3·6	·221	·228	72	75	WNW 2	W 1	7	9	—	
17	29·78	29·89	47·0	43·6	40·3	54·7	2·0	1·1	·275	·259	86	91	WNW 1	NW 1	8	9	—	
18	30·01	30·07	51·2	43·5	43·2	56·7	3·5	1·0	·290	·260	77	92	WNW 1	NNW 0·5	10	0	—	
19	·11	·12	51·7	49·9	37·2	53·6	2·7	0·9	·314	·335	82	94	SW 0·5	WNW 0·5	9	10	·002	
20	·09	·09	55·7	50·9	49·0	58·5	1·8	1·9	·393	·324	88	87	NW 1	W 1	10	10	·003	
21	·13	·22	51·0	50·8	48·7	55·5	1·1	0·7	·346	·353	92	95	W 1	Calm 0	10	10	—	Overcast all day.
22	·30	·32	50·6	49·9	44·0	57·3	0·9	1·1	·346	·331	94	93	WSW 0·5	WSW 1	10	10	—	
23	30·27	30·07	51·2	51·9	43·7	54·5	2·3	1·5	·319	·346	84	90	SW 1	SW 2	10	10	—	
24	29·82	29·70	54·6	45·5	44·4	56·4	1·8	1·5	·375	·270	89	89	SW 3	NW 1	10	10	·187	
25	·48	·36	47·9	38·1	37·9	51·6	1·5	1·3	·296	·203	90	88	SW 1	WSW 1	9	8	·082	
26	·28	·71	43·5	36·8	32·1	46·5	3·1	0·6	·218	·206	76	95	NW 1	NNW 1	3	10	·165	△ showers noon, 1p. and 9p.
27	·84	·83	36·7	38·0	32·4	43·6	0·5	0·5	·208	·218	96	96	W 1	W 0·5	10	9	·045	✳ ● (sleet) showers during day.
28	·85	·70	43·0	51·3	32·7	52·3	0·3	1·6	·270	·337	98	89	SSW 1	WSW 3	10	10	·120	
29	·48	·57	53·3	53·0	49·7	58·5	0·6	0·4	·390	·391	96	97	SW 4	W 1	10	10	·040	
30	·75	·45	48·6	52·4	37·8	53·5	3·0	0·6	·271	·377	79	96	SSW 1	S 2	3	10	·240	
31	29·31	29·45	52·6	45·5	44·9	56·2	2·1	0·7	·340	·289	86	95	W 2	NW 1	10	3	—	
Mean	29·842	29·850	51·0	49·1	43·9	56·2	2·2	1·4	·322	·320	85·3	90·4		1·4		1·3	8·3	8·1	1·746	

MARKREE CASTLE, SLIGO.—OCTOBER 1890.

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	29·56	29·97	51·2	45·9	45·2	56·2	7·3	2·8	·215	·247	57	81	NW 5	N 1	7	7	·030	
2	30·16	·98	50·1	54·0	35·3	55·2	2·6	2·3	·297	·352	82	84	SSW 1	S 3	9	8	—	
3	29·91	·93	60·0	56·0	53·3	62·8	3·0	1·1	·423	·416	82	92	SW 4	SW 3	7	8	—	
4	·95	·92	58·1	58·2	54·9	65·0	1·1	1·1	·449	·451	92	93	SSW 1	SW 1	10	10	·020	Overcast all day.
5	·87	·76	57·9	56·9	55·4	63·8	1·9	1·3	·422	·424	88	92	SSW 1	SSW 2	10	10	·040	Overcast all day.
6	·83	29·74	53·0	55·1	49·3	57·2	1·3	0·2	·366	·429	91	98	Calm 0	SSE 0·5	10	10	·310	Overcast all day.
7	29·71	30·07	51·9	40·5	40·1	58·8	1·0	0·5	·359	·241	93	96	E 1	Calm 0	10	4	—	
8	30·26	·24	48·0	47·8	31·8	58·2	1·7	1·7	·292	·291	88	88	Calm 0	S 1	5	4	·010	⌊
9	·17	·14	50·4	56·1	41·3	59·2	1·2	1·2	·335	·415	91	91	S 1	S 1	10	10	—	Overcast all day.
10	·13	·09	56·9	54·0	53·2	61·2	1·9	1·7	·406	·368	88	88	SSW 1	SSE 0·5	10	10	—	Overcast all day.
11	·10	·14	57·8	55·9	51·1	61·0	1·6	1·4	·430	·407	89	92	S 1	SSE 0·5	10	9	—	
12	·14	30·10	51·6	51·1	47·1	60·5	1·7	1·5	·338	·337	88	89	SSE 0·5	SSE 0·5	9	5	—	
13	30·09	29·99	55·0	56·0	49·6	60·0	2·0	2·1	·375	·388	87	86	Calm 0	S 2	10	10	·070	Overcast all day.
14	29·90	·62	52·4	52·3	49·4	59·2	1·4	0·8	·355	·371	90	95	Calm 0	SSW 4	7	10	·310	
15	·49	·50	46·2	42·4	40·4	53·9	1·8	0·2	·272	·266	88	99	SSW 0·5	NW 6	7	10	·630	● showers during day. ☂ p.
16	·66	29·85	44·4	46·6	42·3	49·7	0·5	1·7	·281	·278	96	88	NW 6	NNW 4	9	10	·130	● showers.
17	29·90	30·01	47·0	43·0	42·1	48·9	1·0	1·6	·298	·242	93	87	WSW 0·5	NNW 0·5	10	5	·070	☂ 11p.
18	30·14	·18	44·5	48·6	32·9	53·2	0·6	1·0	·280	·318	95	93	NNW 0·5	NW 0·5	9	10	·010	
19	·19	·21	50·0	54·0	44·7	55·6	0·2	0·2	·356	·412	99	99	Calm 0	NNE 0·5	10	10	·190	≋ a. Day overcast, with ● 0.
20	·20	·20	55·0	53·2	52·1	56·0	0·9	1·9	·406	·352	94	87	NW 0·5	WNW 0·5	10	10	·030	Overcast all day.
21	·23	·30	51·0	51·9	49·8	55·2	1·0	0·7	·348	·368	93	95	Calm 0	Calm 0	10	10	·140	Overcast all day.
22	·37	·39	52·5	50·2	49·0	55·5	0·8	0·6	·373	·348	94	96	Calm 0	SSW 0·5	8	10	·010	
23	30·34	30·15	50·5	51·8	47·9	55·3	1·3	1·3	·333	·351	90	91	SSW 0·5	SSE 0·5	10	10	—	Overcast all day.
24	29·89	29·80	54·6	47·1	46·2	56·2	3·0	2·0	·349	·276	80	86	WSW 3	WSW 0·5	10	10	·230	Overcast all day.
25	·58	·48	47·9	39·8	39·1	53·2	1·5	0·9	·296	·227	90	93	NW 1	NW 4	7	8	·620	● storms in evening.
26	·44	·88	41·8	38·0	36·1	45·3	1·9	2·9	·227	·175	80	76	NNW 3	NNW 3	8	7	·400	△ ● showers n. and during day.
27	·97	·95	38·1	43·7	35·3	47·3	0·9	0·9	·211	·265	92	92	N 1	N 1	9	10	·410	● showers.
28	·94	·83	46·6	51·9	41·1	52·0	0·6	2·0	·303	·334	96	87	WNW 2	WNW 2	10	10	·150	
29	·58	·68	54·0	53·3	50·2	56·9	0·8	0·4	·394	·396	94	97	WSW 2	NW 1	10	10	·090	Overcast all day.
30	·81	·52	49·9	54·2	46·5	54·2	0·7	0·4	·341	·409	95	98	SSE 0·5	S 3	10	10	·090	Overcast all day.
31	29·45	29·56	51·2	50·1	48·4	54·8	1·2	1·5	·345	·323	92	89	WSW 0·5	NNW 1	10	9	·190	
Mean	29·934	29·941	51·0	50·3	45·2	56·2	1·6	1·3	·338	·338	89·5	90·9		1·2		1·6	9·1	8·8	4·180	

DUBLIN (PHŒNIX PARK).—OCTOBER 1890.

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	29·50	29·94	51·2	42·7	42·1	58·6	3·6	1·2	·288	·248	77	90	WNW 2	W 1	7	0	—	Beautiful day.
2	30·18	30·09	49·8	50·8	36·5	57·0	4·1	3·8	·262	·278	73	75	W 1	SW 2	1	5	—	Beautiful day.
3	30·00	29·95	56·4	57·4	47·7	63·8	4·0	2·1	·345	·469	75	87	SW 2	W 2	1	4	—	Beautiful day.
4	29·97	·99	58·1	57·5	54·0	64·2	2·7	1·5	·493	·427	82	90	WSW 2	WSW 1	7	1	—	
5	·94	·82	58·0	58·9	54·5	59·8	2·2	1·8	·415	·440	86	89	SW 1	WSW 1	9	9	·030	Cloudy day. ● 0 showers.
6	·83	29·79	53·3	57·7	51·1	59·0	0·9	1·3	·382	·437	94	92	Calm 0	Calm 0	10	9	·040	Dull and cloudy.
7	29·65	30·02	59·5	45·3	41·6	62·0	1·2	1·8	·470	·261	93	87	Calm 0	Calm 0	10	1	—	Dull and cloudy.
8	30·25	·28	51·7	40·1	35·1	58·4	2·9	0·4	·310	·240	81	97	Calm 0	Calm 0	2	0	—	Beautiful day.
9	·20	·17	53·6	53·4	32·3	62·0	2·4	2·0	·344	·353	83	87	Calm 0	Calm 0	1	2	—	Beautiful day.
10	·15	·14	56·7	53·2	47·6	61·6	3·0	1·4	·373	·366	81	91	SW 1	Calm 0	8	2	—	Cloudy *a*. Bright *p*.
11	·15	·19	56·2	49·8	46·7	62·1	3·0	1·4	·367	·322	81	90	Calm 0	Calm 0	9	0	—	
12	·17	·14	52·9	52·4	35·9	63·8	2·6	2·4	·331	·330	83	84	Calm 0	SW 1	1	1	—	Beautiful day.
13	30·15	30·08	54·8	52·4	50·2	59·3	3·3	2·4	·340	·330	79	84	SW 1	WSW 1	8	1	·060	
14	29·92	29·76	54·6	49·4	48·5	59·0	1·3	2·2	·389	·298	91	85	SW 1	SW 1	9	1	·140	● 0 showers *a*. Cloudy day.
15	·51	·47	49·4	40·5	39·6	53·2	3·9	2·0	·262	·212	74	84	W 2	WSW 2	1	1	·070	● 2 / 2*a*.—3*a*. Bright *a*. ● 0 Fine day. [showers *p*. ▲
16	·60	·78	45·2	42·7	38·9	49·8	2·3	1·8	·249	·236	83	86	W 2	W 1	7	1	—	
17	29·88	29·92	47·6	42·7	41·6	50·5	1·4	1·5	·295	·241	90	88	W 1	W 1	9	1	·005	Dull and cloudy.
18	30·08	30·14	45·9	44·5	37·7	54·3	2·7	1·1	·249	·268	81	91	WSW 1	Calm 0	2	1	—	Bright *a*. Cloudy *p*.
19	·18	·17	45·0	51·6	36·6	54·7	0·7	1·2	·282	·350	94	92	Calm 0	Calm 0	6	8	·010	
20	·16	·18	53·2	50·9	49·3	60·6	0·8	2·8	·383	·303	95	82	W 1	Calm 0	10	8	·005	Cloudy *a*. Bright *p*.
21	·20	·27	50·8	51·4	48·9	54·6	1·4	1·2	·336	·348	90	91	Calm 0	Calm 0	8	9	—	Dull and cloudy.
22	·35	·38	51·9	51·4	49·3	57·0	1·1	1·0	·357	·353	93	93	Calm 0	Calm 0	9	10	·005	Dull and cloudy.
23	30·36	30·18	51·3	51·2	48·1	56·8	1·7	2·0	·334	·325	88	86	Calm 0	WSW 1	9	5	—	
24	29·95	29·75	53·0	52·3	49·7	57·3	2·6	1·1	·332	·362	82	92	SW	NW 1	8	10	·130	Dull, with ● 0.
25	·56	·48	45·5	40·9	40·2	52·5	0·6	1·5	·292	·224	96	88	Calm 0	W 1	10	4	·160	Dull, with ● 0*a*.
26	·31	·76	38·8	38·0	33·1	45·5	1·9	3·4	·199	·167	85	72	WNW 1	W 1	2	1	—	✳ 0 6*a*.—6.30*a*. Fine day.
27	·91	·90	38·1	41·0	32·6	44·5	2·2	1·3	·187	·229	81	90	W 1	W 1	1	8	·025	Bright *a*. Cloudy, with ● showers *p*.
28	·95	·84	42·5	49·8	32·8	50·2	0·6	1·4	·259	·322	95	90	Calm 0	WSW 1	10	9	·060	● 0*a*. ● 0 showers *p*.
29	·65	·65	53·3	54·8	48·9	57·0	2·7	0·7	·333	·410	82	95	SW 2	Calm 0	9	10	·090	Dull, with ● 0.
30	·82	·61	49·4	53·9	44·1	58·4	1·0	1·6	·327	·370	93	89	Calm 0	SSW 2	8	9	·030	Dull and cloudy.
31	29·42	29·51	53·2	49·6	47·9	56·1	2·0	1·8	·349	·310	86	88	W 2	WNW 1	8	6	·005	Cloudy day.
Mean	29·933	29·946	51·0	49·3	43·3	56·9	2·2	1·7	·324	·315	85·4	87·9		0·8		0·7	6·5	4·4	0·885	

PARSONSTOWN (BIRR CASTLE).—OCTOBER 1890.

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	29·57	29·93	51·3	43·9	42·5	58·7	4·4	1·7	·271	·249	72	87	WNW 2	Calm 0	1	0	—	Bright *a*. Day cold, with 0 (mist).
2	30·14	30·06	48·7	48·1	35·4	58·0	2·7	1·2	·279	·306	81	91	Calm 0	Calm 0	1	3	—	*n*. Bright *a*. Fine day.
3	30·00	29·97	57·1	56·1	47·6	64·1	4·2	2·0	·348	·393	75	87	Calm 0	WSW 2	4	9	·040	Fine and gusty. 0 (mist) 9*p*.
4	29·97	·96	56·7	58·1	53·7	61·4	1·1	2·2	·426	·417	93	86	Calm 0	SW 1	10	8	—	Dull and gloomy, with ∞.
5	·92	·82	58·7	58·0	52·4	62·9	2·7	1·0	·411	·451	84	93	W 1	Calm 0	8	9	·070	Dull, with ∞. ● showers in evening.
6	·82	·75	56·5	57·1	54·8	60·5	1·3	1·0	·418	·436	91	93	Calm 0	Calm 0	10	10	·670	Dull and close, with ● ∞ *p*.
7	29·64	29·98	59·7	46·7	46·0	60·7	0·6	1·5	·493	·284	97	89	Calm 0	Calm 0	10	0	—	Dull *a*.
8	30·20	30·21	42·7	46·9	34·8	59·6	0·6	1·2	·261	·292	95	92	Calm 0	Calm 0	1	0	—	*n*. ∞ *a*. Day fine and bright.
9	·17	·13	51·5	55·3	44·2	61·3	0·6	1·7	·365	·389	96	89	Calm 0	Calm 0	1	9	—	0*n*. Bright *a*. 0 (mist).
10	·15	·10	56·5	54·3	51·4	60·3	2·6	1·4	·381	·381	83	90	SW 1	Calm 0	9	9	—	Dull and mild, with ∞.
11	·13	·13	55·3	49·9	49·5	61·0	1·9	1·0	·383	·333	87	93	Calm 0	Calm 0	10	0	—	Mild, with ∞.
12	·14	·09	49·7	52·3	39·2	62·4	0·8	1·8	·336	·344	94	88	Calm 0	Calm 0	1	8	—	0*n*. Day fine and bright. ∞.
13	30·09	30·02	54·2	51·7	50·5	60·3	1·5	1·8	·377	·337	90	87	Calm 0	Calm 0	10	1	·138	0 (mist) *a*. Damp and mild.
14	29·90	29·73	56·3	51·4	49·6	58·4	1·4	2·7	·412	·311	90	82	W 1	SW 2	4	4	·239	Dull *a*.
15	·54	·55	48·6	42·7	40·6	54·3	3·0	2·6	·271	·220	79	81	WSW 1	WSW 2	1	0	·059	Fine *a*. Day bright and squally.
16	·68	·84	46·9	43·7	38·5	51·5	3·6	2·0	·240	·241	76	84	WNW 2	Calm 0	6	0	—	Bright and cool.
17	29·89	29·92	48·2	46·9	42·1	49·3	2·3	1·3	·281	·290	84	91	Calm 0	Calm 0	10	8	·050	● 2 0 (mist) *a*. Day dull, with
18	30·09	30·13	41·9	48·5	31·6	53·9	0·6	0·6	·253	·326	95	96	Calm 0	Calm 0	7	6	—	0*n*. 0*a*. ∞ *p*. [●. ∞ *p*.
19	·16	·16	49·7	54·3	43·4	55·9	0·8	1·1	·336	·390	94	92	Calm 0	Calm 0	10	10	·031	Dull, with ∞ ●.
20	·17	·17	53·2	51·5	51·0	58·3	1·2	1·6	·371	·340	92	89	Calm 0	Calm 0	10	10	—	∞ *a*. Dull and close.
21	·20	·27	51·5	51·9	48·0	56·4	1·7	1·8	·337	·339	89	88	Calm 0	Calm 0	9	9	—	Bright *a*. Day close and mild. 0
22	·35	·37	49·3	50·1	44·6	57·1	0·6	1·2	·336	·331	96	91	Calm 0	Calm 0	10	10	—	0*a*. Dull day. [(mist).
23	30·34	30·18	50·5	49·4	44·2	57·0	1·4	1·6	·332	·312	91	89	Calm 0	Calm 0	10	8	—	0 (mist) *a*. Day dull, with ∞.
24	29·97	29·79	54·4	48·1	48·1	56·5	2·7	0·9	·348	·313	82	93	WSW 2	WNW 1	10	10	·325	Gloomy, with 0 (mist).
25	·57	·52	46·3	42·0	41·0	52·4	0·8	2·7	·295	·212	95	80	Calm 0	WNW 2	10	8	·270	Gloomy, with ● *a*. ● showers later.
26	·35	·83	38·7	39·5	34·1	46·3	0·6	2·6	·223	·192	95	79	NW 2	WNW 1	10	7	·026	✳ 0 ● 7.30*a*. Bright and cold.
27	·95	·92	37·8	43·3	33·8	45·4	0·9	2·7	·208	·223	92	80	NW 1	NW 1	10	8	·025	Cold *a*. Day bright, with ● showers.
28	·95	·87	46·7	50·1	40·0	52·0	1·8	1·6	·277	·321	87	89	Calm 0	W 2	6	9	—	Dull, with ∞. [●.
29	·69	·66	53·8	55·1	48·6	57·3	1·4	2·2	·374	·371	90	85	SW 2	Calm 0	10	10	·061	∞ ● *a*. Day dull and gloomy, with
30	·81	·59	50·8	54·5	49·5	55·9	0·9	3·9	·348	·320	93	76	Calm 0	Calm 0	10	10	·095	Dull and close, with ● 0 0 (mist).
31	29·48	29·53	52·3	48·5	49·8	55·4	1·6	1·3	·349	·309	89	91	W 1	W 1	10	9	·264	Dull and gloomy, with ● 0 (mist).
Mean	29·936	29·941	50·8	50·0	44·4	56·9	1·7	1·7	·334	·322	88·6	87·8		0·5		0·5	7·4	6·5	2·363	

STENNESS.—NOVEMBER 1890.

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

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	29·42	29·09	45·7	46·4	43·0	49·3	2·0	2·0	·262	·269	86	86	NW 1	S 6	5	10	·710	
2	28·54	28·90	49·0	42·0	40·0	49·8	0·6	1·3	·332	·239	96	90	W 4	NW 7	10	10	·660	
3	29·28	29·08	39·0	39·5	35·0	42·0	3·0	3·0	·181	·186	77	77	NW 3	E 2	10	10	·300	
4	·01	·25	42·0	41·5	38·0	42·8	1·2	0·7	·241	·247	91	95	ENE 4	N 1	10	8	·120	
5	·51	29·61	41·0	42·0	38·0	46·8	1·0	1·0	·235	·245	92	92	NNE 1	E 1	1	5	—	
6	29·35	28·77	44·0	44·5	39·0	45·8	2·5	1·5	·234	·259	81	89	S 5	SSE 9	10	10	·900	/ (gale) from 5*p*. ● 2
7	28·86	29·25	46·0	41·2	39·0	47·8	0·6	2·2	·297	·213	96	83	WNW 3	SW 3	10	2	·120	/ (gale) till 1*a*. Very bright day. Ψ
8	29·11	·12	44·6	43·0	38·0	46·8	1·8	1·0	·254	·255	86	92	SSW 3	SW 1	9	10	·450	
9	·28	·43	42·0	47·0	40·0	47·8	1·0	1·5	·245	·287	92	90	SSE 1	SE 4	10	3	·450	
10	·51	·46	46·0	44·4	43·0	47·8	1·2	3·4	·283	·220	92	75	SE 3	SSE 5	7	1	·110	
11	·35	·40	45·0	45·4	41·0	47·8	2·8	2·4	·237	·249	79	83	SE 5	SE 5	5	7	·200	
12	·47	·32	46·2	46·0	39·0	47·8	2·2	1·4	·263	·278	85	90	SE 5	S 7	1	10	·350	
13	·40	·62	43·0	44·5	41·0	46·8	2·0	2·8	·234	·233	84	79	SSW 5	S 4	1	0	—	Ψ
14	·68	29·43	45·0	44·0	41·0	46·8	2·3	1·0	·247	·265	83	92	S 4	SW 3	3	10	·640	● 2
15	·74	30·00	46·0	43·4	42·0	46·8	3·2	2·7	·240	·224	78	79	W 3	W 2	1	2	·060	
16	29·92	29·85	44·0	45·5	37·0	46·8	2·0	1·5	·244	·270	84	89	SSE 4	SW 3	4	1	·140	
17	30·07	29·85	44·6	45·6	42·0	47·8	1·6	2·6	·258	·248	88	81	SSW 1	S 5	7	4	·060	
18	29·99	30·00	48·0	47·4	43·0	50·8	3·0	1·4	·263	·293	79	90	W 2	S 4	8	4	—	
19	·84	29·91	52·3	49·0	47·0	54·8	3·3	4·0	·307	·255	78	73	SW 6	WSW 7	1	2	—	
20	·98	·77	48·0	49·0	45·0	50·8	2·2	1·5	·281	·310	85	90	W 5	SSW 4	3	10	·060	Ψ
21	·61	·50	47·0	44·2	38·0	52·3	2·0	4·0	·275	·207	86	71	W 3	WSW 7	10	5	·300	♈
22	·39	·08	45·0	43·0	38·0	45·8	4·9	2·7	·199	·221	67	80	W 6	NW 6	7	7	·320	
23	·09	·05	42·0	40·0	28·0	44·8	5·0	3·5	·174	·181	66	73	NW 5	N 3	4	9	—	
24	·19	29·43	37·0	41·0	35·0	41·8	2·0	2·0	·182	·215	83	84	NNW 5	N 3	3	10	·140	
25	29·89	30·06	39·0	37·0	36·0	41·8	2·0	1·0	·199	·200	84	91	SSE 2	S 4	6	10	·270	
26	30·20	·15	36·5	34·3	33·0	38·8	2·5	2·6	·170	·149	79	75	S 2	S 4	7	0	—	
27	·07	·04	34·0	34·0	31·5	36·8	2·0	1·0	·156	·176	79	89	S 4	S 4	7	10	·280	✳ 0
28	30·06	30·02	34·6	36·0	32·0	36·8	1·4	2·2	·173	·172	86	80	S 5	S 6	9	0	—	≈
29	29·90	29·67	38·0	36·5	35·0	38·0	1·5	1·5	·199	·188	87	87	S 5	SSW 8	4	10	·500	Thaw.
30	29·48	29·42	44·0	49·8	35·0	49·8	1·8	2·0	·248	·307	86	86	SSW 4	S 5	10	10	—	
Mean	29·541	29·517	43·3	42·9	38·4	46·0	2·2	2·0	·237	·235	83·8	84·4		3·6		4·4	6·1	6·3	7·140	

DUNROBIN CASTLE.—NOVEMBER 1890.

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	29·62	29·16	44·9	45·9	40·7	52·0	0·9	2·4	·276	·256	93	84	SE	NW	—	—	·550	Fine and clear *a*. Dull, with ● *p*.
2	28·76	·32	48·7	40·6	40·0	53·0	3·7	3·8	·257	·181	75	72	NW	NW	—	—	—	Cold *p*.
3	29·45	·13	39·9	39·6	38·2	44·7	4·8	1·1	·159	·221	65	91	NW	NW	—	—	—	Dull and mild *a*. Cold *p*.
4	·13	·43	40·9	44·6	35·9	48·0	1·4	4·9	·227	·196	89	66	NE	NE	—	—	—	Fine and mild.
5	·62	29·70	45·6	45·6	40·5	49·5	4·3	2·1	·216	·259	71	85	NW	NW	—	—	—	Fine, clear, and mild.
6	·56	28·83	44·6	46·2	36·9	46·3	3·3	2·9	·224	·248	76	80	NW	NW	—	—	·970	Fine, then dull, with ● .
7	·01	29·38	45·9	33·3	32·5	47·7	4·2	0·2	·221	·186	71	97	NW	NW	—	—	·070	Dull, with ● .
8	·26	·31	44·9	45·6	33·3	49·7	1·6	5·3	·261	·198	88	65	NW	NW	—	—	·200	Fine *a*. ● *p*.
9	·40	·53	45·0	45·4	41·5	46·3	4·5	0·7	·206	·288	69	96	NW	NW	—	—	·150	● showers.
10	·60	·54	45·6	46·2	41·9	49·0	0·0	4·5	·306	·218	100	70	NW	NW	—	—	—	Fine, cold, and windy.
11	·40	·44	48·5	43·7	43·7	48·5	1·8	4·0	·297	·204	87	72	SE	SE	—	—	—	Fine, dry, and breezy.
12	·60	·48	46·6	46·6	43·7	48·7	1·3	2·6	·287	·258	91	82	SW	SE	—	—	—	Fine and clear, then cloudy.
13	·67	·80	43·9	41·9	39·9	47·5	4·6	2·2	·194	·222	68	85	SE	SE	—	—	—	Fine and clear.
14	·82	29·66	46·6	42·9	39·2	46·7	2·6	1·6	·258	·242	82	87	SE	SW	—	—	·200	Dull and mild. ● showers *p*.
15	29·95	30·17	44·4	38·6	38·5	50·0	2·1	1·8	·246	·199	84	85	NW	NE	—	—	—	Fine and clear. 0 *p*.
16	30·06	·09	43·4	44·2	36·2	44·7	0·4	1·7	·272	·253	97	87	NE	NW	—	—	·140	0 *a*.
17	·21	·03	37·6	44·6	36·9	45·3	1·3	2·9	·200	·232	89	79	N	NE	—	—	·050	0 *a*.
18	·17	·13	45·6	44·4	42·7	47·7	2·1	0·1	·259	·290	85	99	NE	NE	—	—	—	0 *p*.
19	·03	30·12	54·7	50·0	43·2	57·0	5·4	6·0	·289	·226	68	63	N	W	—	—	—	Fine, clear, and mild.
20	30·16	29·91	49·7	50·0	45·9	52·3	2·4	2·0	·297	·309	84	86	NE	NE	—	—	·050	Dull and mild.
21	29·76	·73	47·7	41·2	39·2	52·7	2·4	2·5	·274	·209	83	81	N	NE	—	—	·100	Dull, with ● showers.
22	·62	·32	43·4	45·6	40·5	51·0	2·7	1·6	·224	·269	79	88	NW	NW	—	—	·590	Dull, with ● showers.
23	·28	·21	40·6	35·3	34·5	46·0	1·3	0·8	·225	·191	89	93	N	NW	—	—	—	Dull *a*. Clear and frosty *p*.
24	29·40	29·61	36·5	41·6	33·3	41·6	1·2	3·6	·193	·193	90	74	SE	SE	—	—	·140	Cold and blowy.
25	30·00	30·20	42·9	37·1	37·1	45·0	1·9	1·3	·235	·195	85	88	SE	S	—	—	—	Cold and blowy *a*. Milder *p*.
26	·32	·32	39·4	36·5	32·0	39·4	4·3	2·0	·163	·179	68	83	S	S	—	—	—	Fine, clear, and cold.
27	·28	·23	26·5	31·5	25·3	36·5	1·4	2·4	·101	·125	70	69	N	N	—	—	·150	*a*. Dull and frosty.
28	·23	30·23	34·5	35·8	31·5	36·0	0·7	1·7	·186	·179	93	85	N	NW	—	—	·110	✳ (1 inch deep) *a*. Thaw *p*.
29	29·90	29·67	38·0	36·5	35·0	38·0	1·5	1·5	·199	·188	87	87	S	SSW 8	4	10	·500	Clear and frosty.
30	29·48	29·42	44·0	49·8	35·0	49·8	1·8	2·0	·248	·307	86	86	SSW 4	S 5	10	10	—	
Mean	29·703	29·683	42·9	42·0	37·6	46·5	2·4	2·4	·230	·220	82·2	81·9	—	—	—	—	3·470	

BRAEMAR.—NOVEMBER 1890.

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.		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	28·37	28·16	44·3	43·6	42·7	48·0	3·4	2·1	·220	·239	74	84	W	0·5	SW	1	6	8	·320	Fine day.
2	27·63	·07	44·8	39·6	39·0	49·9	2·3	3·4	·246	·180	83	73	SW	2	NW	2	8	7	—	Fine day.
3	28·27	·03	32·7	35·4	31·0	40·0	2·0	1·7	·144	·175	77	85	N	0·5	SW	0·5	6	9	·020	Dull and dark.
4	27·96	·22	30·2	39·6	29·8	45·2	0·5	1·8	·155	·208	92	85	SW	0·5	NE	2	5	8	·100	Dull and dark *a*. ● showers *p*.
5	28·44	28·57	39·6	40·1	38·0	44·2	2·1	1·4	·203	·219	83	89	NE	0·5	NE	0·5	6	9	—	Fine *a*. Dull *p*.
6	28·37	27·69	39·8	39·8	32·0	41·0	1·7	1·5	·211	·215	87	88	SW	1	SW	2	7	10	1·320	Fine *a*. ● *p*.
7	29·87	28·29	41·6	33·9	32·0	42·4	2·4	2·2	·214	·151	82	78	SW	6	SW	0·5	10	0	—	
8	28·12	·07	40·1	38·4	27·7	44·8	0·4	1·2	·240	·208	97	90	SW	4	SW	0·5	9	10	·470	● *p*.
9	·18	·26	35·7	37·6	33·2	38·4	0·7	2·1	·196	·186	94	82	SW	0·5	SW	0·5	10	10	·560	● and ✳ ● (sleet).
10	·44	·36	34·0	39·6	33·2	42·7	1·3	3·1	·170	·185	86	76	SE	0·5	SE	2	4	8	·050	● showers *p*.
11	·20	·30	40·8	40·4	37·0	41·8	3·8	1·9	·182	·213	71	85	SE	4	SE	0·5	8	8	·180	Dark, with ● .
12	·43	·27	31·0	39·8	29·8	41·4	0·3	1·0	·166	·225	95	92	SE	0·5	SE	2	8	10	·290	Fair *a*. ● *p*
13	·44	·64	38·6	38·6	37·4	43·7	2·1	2·1	·194	·194	83	83	SW	2	SW	1	2	4	—	Fine day.
14	·65	28·37	40·8	41·9	35·4	43·8	1·3	0·8	·228	·248	90	94	NW	0·5	SW	0·5	9	10	·280	Fine *a*. ● *p*.
15	·80	29·03	39·4	37·3	36·0	46·0	1·9	1·6	·205	·192	85	87	SW	0·5	SW	0·5	1	5	—	Fine day.
16	28·87	28·87	38·8	42·0	26·8	43·2	6·8	2·1	·123	·223	53	84	S	0·5	SW	0·5	5	4	—	Fine *a*. Dull *p*.
17	29·05	28·86	30·0	42·6	29·8	44·2	0·3	0·8	·158	·256	95	93	NW	0·5	SW	6	4	9	·320	Fine day.
18	28·99	29·02	41·6	40·8	39·6	43·6	1·0	1·3	·242	·228	93	90	SW	0·5	SW	0·5	2	6	—	Fine day.
19	28·94	29·01	52·5	43·6	39·3	54·0	2·0	2·8	·341	·224	87	79	SW	0·5	SW	1	8	5	·100	Fine *a*. ● *p*.
20	29·01	28·85	45·6	51·2	42·4	51·7	3·8	1·7	·225	·333	74	89	SW	0·5	SW	1	8	8	—	Fine day.
21	28·59	·61	48·8	37·4	36·0	51·8	1·1	2·7	·318	·174	92	78	SW	0·5	SW	1	8	2	·070	● *a*. Fair *p*.
22	·52	·15	39·8	47·9	36·0	48·5	2·3	2·2	·201	·280	82	85	SW	4	SW	4	8	10	·550	Dull, with ●
23	·14	·03	40·6	37·4	36·0	48·3	1·6	2·4	·219	·178	87	80	NW	0·5	NE	1	8	9	·020	Dull, with ●
24	·19	·33	33·9	35·5	33·3	39·2	2·2	1·6	·151	·178	78	86	NW	2	W	1	9	10	·270	Dull all day, with ✳
25	28·71	28·96	35·7	33·5	31·2	37·9	1·0	1·8	·192	·155	91	81	SE	1	E	0·5	10	10	·050	✳ and ✳ ● (sleet).
26	29·06	29·10	23·4	11·7	11·7	37·0	0·7	0·0	·101	·073	81	100	E	0·5	E	0·5	4	0	—	Clear and frosty.
27	·01	29·03	11·4	12·0	10·0	24·8	0·0	0·3	·072	·066	100	89	SE	0·5	SE	0·5	3	3	—	Clear and frosty.
28	29·01	28·96	17·7	25·9	11·0	27·2	0·0	0·8	·097	·114	100	81	SE	0·5	SE	0·5	7	8	—	Clear and frosty *a*. Dull *p*.
29	28·91	·78	23·9	32·0	19·0	32·7	0·4	0·3	·111	·175	89	96	SE	0·5	SW	2	7	8	—	Clear and frosty *a*.
30	28·61	28·58	39·6	46·5	30·8	46·5	1·3	2·0	·217	·270	89	86	SW	4	SW	2	9	8	·060	
Mean	28·525	28·515	36·5	37·5	31·6	42·8	1·7	1·7	·191	·199	85·7	85·6		1·3		1·3	6·6	7·2	5·030	

LAUDALE.—NOVEMBER 1890.

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	29·65	29·17	46·7	50·1	45·0	58·0	0·9	1·4	·298	·326	94	90	Calm	0	SSW	4	8	10	1·190	● showers *a*. Day fine. ● ² at night.
2	28·85	·30	47·0	41·8	39·0	55·0	3·0	2·3	·253	·219	79	83	NW	4	NW	5	8	10	·220	● ² showers all day.
3	29·40	·12	40·0	43·9	36·1	47·9	3·0	1·6	·189	·252	76	87	Calm	0	W	2	10	10	·360	● *p*.
4	·09	·42	40·7	43·7	38·9	46·8	0·6	2·0	·241	·242	95	85	Calm	0	Calm	0	3	7	·030	Clear all day.
5	·62	29·72	45·2	36·7	36·2	51·5	2·0	1·7	·255	·185	85	85	Calm	0	Calm	0	2	0	·010	Clear all day.
6	·45	28·67	45·7	46·3	34·8	47·7	3·7	2·6	·227	·256	74	82	S	7	SSW	10	10	10	1·430	● from 9*a*. ● ².
7	·22	29·43	45·9	38·0	36·5	47·7	4·2	1·3	·221	·203	71	89	NW	8	NE	1	10	1	·350	● ² till 10.30*a*. Fine *p*.
8	·25	·32	46·0	42·2	37·2	49·9	1·3	1·5	·280	·237	91	89	Calm	0	Calm	0	10	10	·030	● ² till 8*a*. Mild, with ● showers all day.
9	·36	·45	38·0	40·0	36·5	43·5	0·7	0·7	·214	·232	94	94	Calm	0	W	4	10	10	·130	Dull and damp. ● *p*.
10	·55	·40	40·0	43·0	37·2	45·3	2·0	1·0	·207	·255	84	92	Calm	0	SE	4	0	7	·030	⌊ *a*. Fine day.
11	·15	·40	45·0	44·8	41·4	46·5	4·1	2·9	·212	·234	91	79	S	6	N	4	10	2	·080	(gale) all day. Calm at night.
12	·51	·36	41·3	47·3	40·9	50·0	2·0	3·3	·219	·250	84	77	N	1	SE	7	0	10	·080	⌊⁰ *a*. Fine till 3*p*., then dull. ● ² 4*p*.
13	·60	·79	45·7	45·3	42·7	49·1	2·9	1·5	·243	·268	80	89	WNW	2	NW	2	7	4	·140	↱ 6*a*.–8*a*. ● ² showers.
14	29·75	29·62	48·0	44·0	43·7	48·4	2·9	1·0	·265	·265	80	92	S	6	SSW	1	10	9	·500	(gale) all day.
15	30·03	30·18	49·5	40·2	40·0	49·9	3·8	0·3	·265	·243	74	97	Calm	0	Calm	0	8	0	·080	Mild and damp.
16	·02	·10	43·7	48·2	39·8	51·7	2·7	2·7	·227	·272	79	82	S	5	W	2	10	7	·170	● ² *p*.
17	·17	·02	48·3	53·2	36·9	59·0	4·6	2·5	·235	·338	69	83	ESE	4	S	4	4	10	·790	Fine day. Much cirrus.
18	·19	·15	45·5	53·2	44·1	60·3	1·1	3·7	·280	·309	92	76	Calm	0	SW	4	3	4	·030	● ² in past *n*. Day fine and mild.
19	·17	·24	51·1	51·7	47·5	59·9	1·1	4·0	·347	·285	92	74	SW	4	SW	3	7	4	·120	● ² 3.30*p*.–5*p*.
20	30·25	30·03	49·0	55·3	46·5	59·2	2·0	2·3	·298	·372	86	85	Calm	0	SW	6	10	10	·890	Day dull and mild. ● ² ⁄ from 5*p*.
21	29·88	29·84	47·1	44·0	44·0	57·0	2·4	2·1	·267	·242	83	83	NW	4	NW	6	10	4	·400	⁄ till 8*a*. Cold ● ⁄ at night.
22	·76	·44	44·1	44·3	40·7	59·0	2·1	2·5	·243	·237	83	81	SW	3	SW	6	10	10	1·010	● ² from 8*a*. ⁄ (gale) ● all day.
23	·26	·17	42·1	41·1	40·9	59·3	1·4	0·6	·238	·245	89	95	WSW	4	Calm	0	10	10	·210	● ² *n*. and *a*. Day dull and damp.
24	·48	29·63	36·6	38·7	36·6	45·1	0·2	0·8	·213	·220	99	94	N	2	N	1	5	2	·230	● ² ▲ ² showers all day.
25	29·86	30·20	43·2	37·2	34·1	43·5	4·1	1·8	·197	·187	71	84	ESE	5	Calm	0	4	10	—	Fine and clear all day.
26	30·28	·28	37·3	31·3	29·3	39·3	2·6	1·8	·175	·134	79	76	Calm	0	Calm	0	10	0	—	✳ before 9*a*. Clear from 10*a*.
27	·23	·23	27·4	28·9	26·0	32·2	1·6	2·6	·103	·093	69	58	Calm	0	Calm	0	0	10	·120	Clear and frosty.
28	·25	30·18	32·0	34·5	27·7	34·7	1·3	2·0	·151	·161	83	80	Calm	0	Calm	0	10	10	·120	✳ *a*. and *p*.
29	30·12	29·93	37·7	41·2	33·2	41·3	2·6	4·2	·178	·179	78	69	Calm	0	NE	3	8	10	1·500	Squally *p*.
30	29·73	29·77	46·0	53·7	36·9	54·0	2·0	1·8	·265	·362	86	88	S	4	SSW	4	10	10	·500	● ² ⁄ *n*. ⁄ ² (gale) ● ² till 4*p*.
Mean	29·703	29·681	43·2	43·5	38·3	49·8	2·3	2·0	·234	·243	82·3	83·9		2·3		2·8	7·2	7·0	11·470	

DUNDEE.—NOVEMBER 1890.

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	29·48	29·20	44·0	44·9	40·5	51·7	2·0	1·1	·244	·272	84	92	W	1	W	1	5	5	·380	Fine day. ● from 8*p*.
2	28·67	·03	48·2	42·6	42·0	51·8	1·8	3·4	·293	·205	88	75	SW	2	W	4	5	0	·040	Fine day. ● ⁄ (gale) at night.
3	29·31	·02	35·9	40·0	33·6	43·4	2·0	0·5	·176	·237	84	96	W	1	W	1	10	10	—	
4	28·96	·14	35·1	41·7	31·2	41·9	0·6	2·2	·193	·219	94	84	W	1	W	2	5	10	—	≋⁰ (mist).
5	29·43	29·59	41·0	38·9	34·1	47·1	2·3	0·4	·210	·229	82	97	NW	1	NW	1	5	10	—	Cloudy day.
6	29·45	28·71	40·5	42·4	33·0	44·6	1·2	0·7	·226	·256	90	95	SW	1	SE	12	10	10	1·350	● from 1.30*p*. ⁄ (gale) 5*p*.
7	28·87	29·32	44·2	34·4	34·4	45·6	1·2	0·3	·263	·193	91	97	NW	1	NW	1	10	10	·050	⁄ (gale) *n*. ● till noon.
8	29·19	·10	38·1	42·0	28·8	46·8	1·5	0·0	·200	·267	87	100	NE	1	SE	1	10	10	·700	● from 1*p*.
9	·14	·22	40·9	45·9	39·5	47·7	0·8	0·4	·239	·300	94	98	NE	4	SE	4	10	10	·370	⁄ (gale) *n*. and during day.
10	·48	·39	36·5	41·7	33·4	46·8	0·8	3·2	·200	·201	93	77	SE	1	SE	1	0	10	—	Fine day.
11	·21	·31	43·6	38·2	37·8	43·8	2·7	0·0	·226	·230	79	100	SE	12	SE	1	10	10	·020	⁄ (gale) *n*. and till 2*p*. ● 7*p*.
12	·45	·32	40·3	43·6	36·0	44·7	0·7	0·6	·236	·270	95	95	SE	2	SE	10	5	10	·150	● ⁄ (gale) from 6*p*.
13	·52	·71	41·0	41·9	38·5	47·7	0·9	1·3	·237	·239	93	91	SW	1	W	2	5	5	·010	Cloudy day.
14	·72	29·33	39·0	46·0	34·9	46·0	0·7	0·5	·224	·299	94	97	N	1	SE	1	10	10	·400	● from noon. ⁄ (gale) 1.30*p*.–5*p*.
15	·88	30·07	40·5	40·8	36·2	48·7	2·3	0·3	·206	·248	82	98	NW	1	W	1	5	5	·020	Fine day.
16	29·95	29·94	39·9	37·6	34·0	41·8	0·2	0·2	·241	·221	99	99	E	1	E	1	10	10	·110	● showers *n*. and during day.
17	30·12	29·98	33·9	42·5	32·2	42·5	0·4	0·5	·187	·261	96	96	SE	1	SE	1	5	5	·200	≋⁰ (mist).
18	·04	30·10	41·5	41·1	38·4	46·0	0·4	0·5	·253	·247	97	96	NW	1	W	1	10	10	·070	≋² till noon. ● at night.
19	·02	30·09	50·4	42·4	40·0	54·6	0·2	0·7	·362	·256	98	95	W	1	W	1	10	10	·040	● showers *n*. and 4.30*p*.–6*p*.
20	30·09	29·91	46·4	51·1	39·9	51·1	1·3	0·7	·284	·357	91	95	S	1	W	1	10	10	·010	Dull day. ● ⁰ at night.
21	29·60	·67	51·5	39·6	39·0	52·5	1·2	2·1	·349	·203	91	83	SW	1	W	1	10	10	·090	● 10*a*.—11.30*a*.
22	·59	·17	42·4	42·4	37·2	50·2	2·6	2·9	·217	·212	81	79	W	2	SW	2	10	10	·120	● 3*p*.—6.30*p*.
23	·13	·08	45·8	39·2	35·7	51·8	1·4	1·6	·277	·208	90	87	W	1	NE	1	5	10	·180	
24	·23	29·35	45·4	37·1	34·0	46·3	0·9	3·8	·283	·153	94	69	W	1	NW	1	5	5	·160	Fine day.
25	29·77	30·07	40·2	34·6	33·8	40·2	2·7	1·7	·196	·167	79	83	E	2	E	2	10	10	·070	● and ✳ ● (sleet) *n*. ▲ showers [during day.
26	30·16	·14	32·6	36·0	28·1	35·3	0·7	0·8	·171	·145	92	86	NW	1	NE	1	10	5	·100	✳ *n*. and during day.
27	·07	·05	27·5	32·4	25·4	33·5	1·5	1·8	·105	·145	71	79	NE	1	NE	1	5	5	·020	Cloudy day. ✳⁰ showers 9*p*.
28	·08	30·06	28·0	25·5	25·1	36·6	1·2	0·5	·117	·121	76	88	NW	1	N	1	5	5	—	≋ at times.
29	30·02	29·88	29·1	33·3	23·7	34·8	1·6	2·0	·117	·150	74	79	W	1	W	2	10	0	·010	∞
30	29·72	29·67	39·6	46·0	32·1	46·0	1·7	1·3	·210	·280	86	91	SW	2	W	2	10	10	—	Dull day.
Mean	29·578	29·554	40·1	40·0	34·4	45·4	1·3	1·2	·225	·226	88·2	89·9		1·6		2·1	7·7	8·0	4·600	

GLASGOW.—NOVEMBER 1890.

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	29·49	29·13	45·1	47·9	41·5	51·2	1·4	1·5	·268	·297	89	90	W	1	S	2	3	10	·344	Sunny day. Ψ Ψ
2	28·75	·11	44·9	41·1	41·0	53·0	1·5	2·4	·264	·209	89	81	W	1	W	2	4	2	·045	●²*a*. Cloudy and squally.
3	29·28	·00	38·9	39·9	36·1	43·6	2·5	0·5	·188	·236	81	96	NE	1	NE	1	10	3	·240	≋⁰*a*. Cloudy, with ● ⁰.
4	28·92	·18	38·8	42·5	38·2	51·3	0·6	3·1	·224	·208	95	77	S	1	NW	1	10	4	—	●²*a*. Dull day. ≋⁰ (mist) 9*p*.
5	29·44	29·58	42·0	42·2	39·4	48·7	2·0	2·1	·225	·225	85	84	W	1	W	1	2	10	—	
6	29·39	28·50	43·4	44·9	40·1	46·2	2·0	1·7	·238	·260	84	87	SW	2	E	3	10	10	·690	Overcast, with ●². Squally *p*.
7	28·91	29·32	44·8	36·7	36·7	48·0	2·3	1·3	·245	·193	83	89	W	1	SW	1	10	0	·067	Overcast, with ● ⁰*a*. Fine *p*.
8	29·13	·05	48·3	42·6	35·6	49·0	0·7	0·5	·321	·262	95	96	SW	2	W	1	10	10	·285	Dull, with ● ⁰.
9	·18	·17	40·9	41·6	38·2	43·2	1·1	1·8	·233	·238	91	92	W	1	NW	1	10	10	·455	Dull day. ●² in afternoon.
10	·39	·29	36·6	40·9	34·3	44·3	1·3	2·4	·192	·208	89	82	E	1	E	2	0	5	—	Fine *a*. Overcast and cloudy *p*.
11	·05	·28	43·0	41·0	36·8	44·7	3·3	1·6	·209	·224	76	87	E	4	E	2	10	4	·056	⌊. Cloudy and squally. ≋⁰ (mist) *a*. Overcast and squally.
12	·41	·27	37·3	46·4	36·0	47·2	0·8	1·8	·207	·273	93	87	NE	1	SW	1	10	5	·200	●²*p*.
13	·51	·70	42·7	41·4	39·0	48·0	1·3	1·0	·245	·238	90	92	S	1	SW	1	3	3	—	Fine day.
14	·63	29·36	45·4	49·1	38·5	54·4	2·5	0·8	·247	·328	82	94	E	1	SW	1	10	10	·810	≋⁰ (mist) *a*. Overcast, with ●².
15	·92	30·04	43·2	43·7	40·9	50·0	2·0	0·8	·236	·266	84	94	W	1	SW	1	2	3	·020	
16	29·92	29·96	37·7	42·0	36·3	45·0	0·6	0·4	·214	·258	95	97	NE	1	SE	1	10	0	·169	≋⁰ (mist) 9*a*. ●²*a*. and *p*.
17	30·07	29·92	39·1	49·5	36·6	49·7	0·7	0·9	·225	·331	94	94	E	1	SW	1	8	10	·388	≋⁰ (mist). ●² in evening.
18	·04	30·08	48·6	47·7	45·2	51·9	0·9	0·2	·319	·327	94	99	W	1	SW	1	8	8	—	Dull and cloudy. Ψ 6*p*.
19	·04	30·11	53·5	44·9	44·2	55·0	0·4	0·8	·399	·278	97	94	SW	1	SW	1	8	3	·073	Dull and cloudy. Ψ
20	30·11	29·93	47·5	52·9	43·3	53·5	1·1	0·5	·302	·386	92	97	SW	1	SW	2	10	10	·218	Gloomy and overcast, with ● ⁰.
21	29·62	·72	51·8	41·8	40·2	53·2	0·5	1·9	·371	·225	97	86	SW	1	SW	1	10	5	·074	Dull and cloudy, with ● ⁰.
22	·64	29·25	44·9	50·9	41·0	51·6	2·2	0·7	·249	·355	84	95	SW	1	W	3	10	10	·302	Squally and overcast, with ● ⁰.
23	·17	28·97	45·8	41·2	41·0	51·2	0·9	0·6	·287	·245	94	95	W	1	E	1	10	10	·623	Dull and cloudy, with ● .
24	·26	29·39	37·7	34·6	34·4	42·2	2·7	1·2	·176	·176	78	88	W	1	NW	1	2	3	—	Day fine and sunny.
25	29·68	30·03	36·6	36·4	34·3	41·0	1·3	1·8	·192	·181	89	85	NE	1	NE	1	10	10	·010	Dull and cloudy.
26	30·14	·10	34·6	31·7	31·3	37·0	1·1	0·6	·179	·165	89	93	NE	1	NE	1	10	7	—	≋⁰ (mist) *a*. Dull and cloudy. ✳⁰
27	·04	·03	22·7	30·3	22·3	32·7	0·0	2·3	·121	·114	100	67	NE	1	NE	1	10	5	—	≋⁰*a*. Clear evening. [in evening.
28	·06	30·03	28·2	33·1	25·4	36·3	0·8	0·8	·130	·172	84	91	W	1	S	1	10	10	·005	Dull, with ≋⁰. ✳⁰
29	30·00	29·85	31·8	35·9	30·7	36·6	1·4	3·4	·148	·149	81	71	E	1	S	1	5	9	·146	≋⁰*a*. Day cloudy, with ∞ .
30	29·70	29·68	41·8	47·2	34·0	47·5	0·7	0·7	·250	·307	94	95	SW	3	S	2	10	10	·072	Squally and overcast, with ● ⁰.
Mean	29·562	29·534	41·3	42·1	37·1	46·9	1·4	1·3	·237	·244	88·9	89·2		1·2		1·3	7·8	6·6	5·382	

WOLFELEE.—NOVEMBER 1890.

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	29·04	28·82	40·0	43·0	34·0	54·5	1·4	1·4	·218	·247	89	89	W	W	—	—	·750	Fine and clear *a*.
2	28·34	·58	46·5	42·0	37·0	51·0	1·9	2·4	·272	·218	86	82	SW	SW	—	—	·050	● in past *n*.
3	·88	·61	34·5	38·0	28·0	49·0	1·7	0·4	·166	·220	83	96	W	SW	—	—	—	Clear and frosty *a*.
4	·51	28·69	38·5	37·5	31·5	42·5	0·9	0·4	·215	·216	92	96	SW	SW	—	—	—	Fine and clear.
5	28·95	29·11	37·5	42·0	33·0	45·0	1·7	0·4	·191	·258	85	97	WNW	W	—	—	·050	Fine, and clear *a*. Dull and stormy at night.
6	29·03	28·21	39·0	41·0	32·5	46·0	1·9	0·4	·201	·248	85	97	SW	SW	—	—	1·140	◢ (gale) during day.
7	28·37	·87	42·5	36·0	36·0	45·2	0·9	1·7	·252	·180	93	85	NW	NW	—	—	·070	● *a*. Fine and calm *p*.
8	·77	·65	42·8	41·5	27·5	43·5	1·2	0·4	·249	·253	91	97	SW	SW	—	—	1·570	● showers *a*. ● *p*.
9	·68	·74	33·0	36·0	31·0	44·0	0·2	0·2	·183	·208	97	98	SW	SW	—	—	·380	✳ showers all day.
10	·96	·90	32·5	35·5	28·0	37·0	0·5	0·7	·173	·195	94	94	NE	W	—	—	·030	Fine and clear *a*. Blowy *p*.
11	·72	·88	32·5	34·0	29·5	39·5	0·7	0·2	·170	·192	91	98	S	SW	—	—	—	Dull *a*. Fine and clear *p*.
12	28·98	28·88	37·0	43·0	27·0	43·0	0·4	0·4	·212	·268	96	97	SW	S	—	—	·280	Dull *a*. ● *p*.
13	29·09	29·25	40·5	38·0	34·5	45·0	0·9	0·9	·233	·210	93	92	SW	SW	—	—	·650	Dull *a*. Fine and clear *p*.
14	·25	28·95	38·0	51·0	31·0	51·0	0·7	0·4	·214	·364	94	97	SW	SW	—	—	—	Blowy *p*.
15	·47	29·62	38·0	38·0	33·0	55·2	0·7	0·9	·214	·210	94	92	SW	SW	—	—	—	Fine and clear.
16	·48	·48	34·5	42·0	25·0	45·5	2·7	0·4	·148	·258	74	97	N	W	—	—	·060	Dull *a*. ● during day. Fine *p*.
17	·64	·50	33·5	47·0	29·5	48·5	0·7	0·4	·177	·313	92	97	SE	S	—	—	·180	Fine *a*. Blowy with ● *p*.
18	·60	·65	44·0	47·8	41·4	51·0	0·4	0·7	·279	·314	97	95	SW	SW	—	—	—	
19	·57	·63	51·5	47·5	45·4	51·5	0·9	0·9	·357	·306	93	93	SW	SW	—	—	·030	Dull with ● ^{0}*a*. Fine and clear *p*.
20	·66	·55	43·0	48·5	36·0	54·8	0·9	0·9	·257	·319	93	93	SW	SW	—	—	·170	Fine *a*. Dull with ● ^{0}*p*.
21	·21	29·28	51·5	43·0	40·9	53·0	1·4	0·9	·344	·257	90	93	SW	SW	—	—	·080	Blowy with ● *a*. Clear and blowy *p*.
22	29·23	28·81	43·5	50·0	40·9	53·0	3·4	0·9	·212	·337	75	94	W	SW	—	—	·050	Fine day. Blowy *p*.
23	28·74	·51	47·0	49·0	34·0	52·5	2·4	0·4	·266	·239	83	97	W	SW	—	—	·700	Dull *a*. ● *p*.
24	28·75	28·93	34·5	29·0	28·2	52·8	1·2	0·7	·176	·139	87	88	N	W	—	—	—	Cloudy *a*. Fine and clear *p*.
25	29·21	29·55	33·5	29·0	26·0	39·0	1·2	0·0	·167	·162	87	100	E	E	—	—	·070	✳ showers *a*. Distant T. Cloudy *p*.
26	·64	·62	29·4	28·0	26·0	37·0	0·6	0·7	·146	·131	90	86	NE	E	—	—	·040	Dull and cloudy *a*. ✳
27	·54	·51	26·8	24·0	23·0	32·0	0·5	0·0	·130	·131	90	100	NE	NE	—	—	·120	Dull with ✳ showers *a*.
28	·54	·53	29·0	29·5	17·0	31·0	0·7	1·9	·139	·114	88	70	NE	E	—	—	—	✳ showers *a*. Dull day.
29	·53	·46	24·5	26·5	18·0	34·0	0·7	0·2	·107	·138	82	96	SW	SW	—	—	·020	Clear and frosty *a*. Dull and cold *p*.
30	29·33	29·27	35·5	43·5	21·0	47·0	0·7	0·9	·195	·284	94	94	SW	W	—	—	·200	Dull with ● ^{0}*a*. Blowy with ● *p*.
Mean	29·122	29·100	37·8	39·1	30·9	45·8	1·1	0·7	·209	·231	89·3	93·3		—		—	—	—	6·690	

SCARBOROUGH.—NOVEMBER 1890.

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	29·47	29·45	48·0	42·5	42·0	52·0	2·3	1·5	·279	·239	84	88	NW 2	SW 1	5	0	·200	Brilliant day.
2	28·84	·06	51·3	41·7	40·5	52·3	0·7	1·4	·360	·234	95	89	SW 5	SW 1	8	0	·020	Stormy *a*. then brilliant.
3	29·38	·12	39·2	42·7	37·8	43·2	2·4	0·7	·193	·259	81	94	SW 1	SE 1	4	10	·020	Very fine *a*. ● in evening.
4	·00	·09	42·7	41·5	39·8	47·2	0·9	0·7	·254	·247	92	94	SW 3	SW 1	8	0	·180	Fine and bright.
5	·30	29·53	43·0	47·0	40·5	47·8	1·4	1·8	·246	·286	89	88	NW 3	NE 1	8	7	·110	● showers.
6	29·58	28·88	41·6	43·4	36·5	47·8	0·3	0·8	·256	·263	97	94	SW 1	S 6	1	10	·530	● ^{2} in past *n*. ≋ *a*. Stormy at night.
7	28·64	29·25	46·1	45·5	43·0	49·5	0·4	0·6	·249	·290	97	96	NE 1	NW 5	10	10	·160	Very fine *a*. Stormy, with ● *p*.
8	29·38	·19	39·0	44·5	34·5	47·5	1·9	2·0	·200	·249	85	85	SW 1	SW 1	0	10	·040	Brilliant *a*. ● at night.
9	·09	·32	47·6	36·9	35·4	47·8	0·9	1·5	·307	·190	94	88	SE 1	SW 1	10	0	·010	● *a*., then brilliant.
10	·48	·47	37·9	40·3	32·3	43·9	1·6	1·0	·196	·229	87	92	SE 1	SE 1	0	4	—	Brilliant day.
11	·35	·38	42·5	39·3	39·0	42·7	1·7	0·2	·236	·236	87	99	SE 3	S 1	10	0	·180	Dull, and threatening *a*. ≋ *p*.
12	·56	·57	39·4	45·4	39·3	46·4	0·4	1·4	·233	·270	97	90	SW 1	S 2	3	10	·080	Bright *a*. Fine day.
13	·66	·78	39·1	40·2	39·0	45·8	0·1	0·6	·237	·236	99	95	SW 1	S 1	3	0	—	Mild, with ≋.
14	·83	29·02	42·0	50·1	33·7	50·2	0·4	0·7	·258	·343	97	95	S 1	S 5	7	10	·010	≋ *ga*. Brilliant day.
15	29·95	30·12	44·4	41·8	40·8	55·5	2·8	2·2	·231	·218	79	84	W 2	SW 1	0	0	—	Fine *a*.
16	30·07	·01	39·9	48·8	37·0	48·8	0·8	1·0	·230	·319	94	93	S 1	SW 1	7	0	·010	Very fine day.
17	·16	·14	40·0	39·7	37·0	48·8	1·0	0·4	·226	·236	92	97	SW 1	S 1	2	0	·030	Very fine day. ≋ *gp*.
18	·09	·19	49·4	48·1	36·5	53·3	0·7	0·4	·334	·327	95	97	SW 2	SW 2	4	3	—	Damp ≋
19	·14	·12	49·6	53·6	44·5	55·1	0·4	0·9	·345	·385	97	94	SW 3	W 2	4	10	·020	Very fine day. ≋ *gp*.
20	30·20	30·07	45·7	51·8	44·5	55·7	0·6	0·8	·293	·304	96	95	SW 5	SW 3	4	—	—	Brilliant day.
21	29·82	29·78	48·1	42·7	42·7	52·3	1·4	2·9	·302	·214	90	70	SW 2	SW 4	1	0	—	Brilliant day.
22	·77	29·35	41·7	50·0	37·0	50·4	1·0	1·8	·242	·313	93	87	W 3	SW 6	5	6	—	Fine, then stormy.
23	·28	28·99	50·6	43·7	43·0	55·1	1·7	0·4	·325	·275	88	96	SW 3	SW 1	10	10	·590	● then fair.
24	·08	29·36	43·9	36·7	35·0	48·8	3·8	2·3	·208	·174	73	81	N 5	SW 4	8	2	·100	Brilliant *p*.
25	29·60	29·94	41·7	35·1	33·5	42·3	3·4	3·2	·196	·146	75	70	NE 5	NE 4	9	8	·100	Stormy with ✳ ▲ showers.
26	30·07	30·05	35·6	33·8	33·0	36·3	0·2	1·8	·204	·168	99	86	NE 5	NE 4	3	4	·150	Fine *a*. ✳ showers.
27	29·93	29·86	30·6	34·2	30·5	35·3	1·0	1·9	·145	·160	85	81	NE 4	E 5	10	7	·290	✳ storms. ◢ (gale) at night.
28	29·92	29·94	36·9	35·1	34·2	38·2	1·9	1·0	·183	·184	84	90	NE 4	NE 3	10	8	·090	Fine, but cold. ✳ ^{0} showers.
29	30·00	30·05	30·6	32·6	30·6	36·8	0·9	0·7	·148	·170	87	92	SW 1	SW 1	7	10	·010	Bright early *a*. ● in evening.
30	30·01	29·91	28·6	35·6	25·5	35·7	0·5	1·1	·142	·186	91	90	SW 3	SW 5	5	10	·010	Very cold wind.
Mean	29·621	29·619	41·9	42·2	37·3	47·1	1·3	1·2	·242	·247	90·0	90·0		2·4		2·6	5·5	5·1	2·910	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—NOVEMBER 1890.

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	29·60	29·34	52·4	53·0	47·0	53·0	2·6	0·1	·325	·400	83	99	NW 5	S 5–6	6	10	1·116	● showers *a*. Squally ◢ ● ^{2} at
2	28·92	·18	50·8	42·3	42·0	54·8	3·3	0·3	·290	·203	78	98	W 5–6	NW 7–8	7	7	·342	Squally ◢ ● ^{2}. [night.
3	29·37	·16	45·3	49·0	39·0	50·1	3·6	2·0	·225	·298	75	86	Calm 0	WSW 3	9	8	·307	Dull and overcast, with ●.
4	·00	·20	47·2	42·4	41·0	49·8	2·0	1·4	·277	·241	86	89	WSW 3	N 1	7	3	·027	● showers *a*. and *n*. Dull day.
5	·51	29·63	47·1	36·2	36·2	49·8	2·7	1·2	·261	·191	81	89	NNW 5–6	Calm 0	3	2	·037	Squally ◢ *a*. ● showers *p*. ⌙
6	·48	28·58	48·1	50·0	35·0	51·2	3·7	1·8	·250	·314	74	87	S 4–5	WSW 5	9	10	2·558	◢ *a*. Very stormy ◢ ● *n*.
7	·02	29·43	47·6	39·0	39·0	50·0	3·1	1·2	·257	·214	79	90	NW 9–11	WSW 2	10	1	·086	Squally ◢ ^{2} ● ^{2} *a*. Dull *p*. ⌓
8	·25	·13	51·2	44·7	34·0	52·0	1·0	2·4	·350	·242	93	82	SSW 2	NW 3	10	10	·854	Overcast, with ● *a*.
9	·23	·23	43·8	42·0	38·4	45·5	1·3	1·0	·257	·245	90	92	NW 2	NNW 4	8	10	·928	Dull, with ● ▲ showers. ● ^{2} ▲ *n*.
10	·25	·29	45·3	46·0	40·0	48·8	2·3	2·8	·250	·248	83	80	SSE 1	SE 6–7	9	8	·158	● ^{2} *a*. Dull, with ● showers. Squally.
11	·11	·28	43·2	46·2	40·7	48·2	1·0	2·2	·257	·263	92	85	WSW 5–6	SW 6	10	10	·374	Squally ◢ ● *a*. and *p*. Dull and over-
12	·50	·43	47·7	48·4	46·2	50·0	1·5	1·4	·294	·305	89	90	WSW 2	W 3	7	3	·410	● *a*. and *p*. Dull day. ◢ *p*. [cast.
13	·64	·77	48·7	39·2	38·0	51·7	2·8	0·5	·277	·230	80	96	W 3	N 2	0	4	·019	Fine day. ● *n*. ⌙.
14	29·65	29·54	49·0	49·7	38·7	54·8	1·3	0·7	·315	·338	91	95	SSE 4–5	NW 4	10	10	·440	≋ (mist) *a*. Overcast, with squally
15	30·04	30·12	47·8	35·5	33·5	51·2	2·6	0·7	·270	·195	81	94	Calm 0	N 2	0	3	·056	Very fine day. ⌙ *p*. [◢ ●.
16	29·93	·04	47·0	44·0	32·2	52·6	0·1	0·8	·321	·270	99	94	SE 3	NW 2	10	1	·013	≋ ^{0} (mist) *a*.
17	30·14	·05	50·1	53·2	33·9	53·2	0·8	0·2	·341	·400	94	99	SE 3	SW 3	10	10	·128	Overcast, with ● ^{0} ≋ ^{0} (mist).
18	·16	·18	53·0	51·5	50·0	58·5	0·9	0·5	·377	·368	94	97	W 1	SW 3	3	10	·146	● *a*. and *n*. Fine day.
19	·21	·20	53·7	51·2	50·0	56·2	0·2	0·5	·408	·363	99	97	SW 2	NW 2	10	8	·033	● ^{0} ≋ ^{0} (mist) *a*. Dull and overcast.
20	30·23	30·11	53·6	51·5	48·2	55·9	0·3	1·5	·403	·342	98	90	WSW 2	SW 4	10	10	·103	≋ ^{0} (mist) *a*. Dull day. ● *n*.
21	29·81	29·92	52·8	46·0	45·0	52·8	0·4	2·2	·389	·261	97	85	SW 4–5	W 4	10	8	·213	● *a*. Dull day.
22	·86	·50	48·7	53·0	44·0	53·0	2·4	1·5	·286	·361	83	92	W 5–6	W 5–6	7	10	·678	Dull and overcast, with squally ◢ ●.
23	·29	·07	54·0	52·0	51·0	56·0	0·2	3·8	·412	·292	99	75	W 5–6	WNW 6	10	10	·178	Overcast, with squally ◢ ● showers.
24	·35	29·47	43·8	41·0	38·0	52·0	3·8	2·0	·207	·215	72	84	NNW 3	NW 4–5	4	8	·238	Fine *a*. Squally, with △ ● showers *p*.
25	29·67	30·01	42·0	36·0	35·0	44·2	2·2	2·8	·221	·161	84	76	NE 3	NE 2	4	4	·001	▲ *a*. Cloudy, with fresh breeze. ⌙ *p*.
26	30·14	30·18	35·0	33·2	31·0	41·0	2·0	1·7	·164	·155	80	82	NE 2	NE 2	6	5	·002	Dull, with ✳ showers.
27	·02	29·99	33·8	34·7	30·0	35·5	1·6	0·7	·162	·188	83	93	N 2	NE 2	6	4	·002	Fine day. ✳ showers 5*p*.
28	·02	30·04	36·2	34·0	33·8	38·8	0·4	0·4	·206	·188	96	96	NE 4	Calm 0	2	5	—	Fine day.
29	30·05	30·01	29·2	40·7	28·0	40·7	0·5	4·2	·147	·175	92	69	NNW 1	S 3–4	3	10	·045	Dull day.
30	29·93	29·85	45·2	48·0	40·6	48·0	1·2	0·8	·273	·314	91	94	SW 5	SW 6–8	10	10	·860	Overcast, with squally ◢ ●.
Mean	29·646	29·628	46·4	44·5	39·3	50·0	1·7	1·4	·282	·268	87·2	89·1		3·3		3·5	7·0	7·1	10·352	

STONYHURST.—NOVEMBER 1890.

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	29·35	29·21	47·1	43·6	40·6	51·5	2·1	1·8	·274	·245	85	86	Calm 0	SWb.W 1	7	5	·540	⌓ *gp*.
2	28·68	28·92	48·4	45·4	42·1	51·8	2·1	2·8	·288	·242	85	80	W 3	WNW 3	10	9	·100	Overcast and squally *a*. ◢ ⌒
3	29·16	·93	46·1	44·8	37·1	45·4	2·1	0·8	·206	·278	83	94	Calm 0	W 1	9	3	·390	Overcast, with ● showers.
4	28·80	28·90	43·8	40·7	40·1	45·3	1·4	1·7	·255	·218	89	86	WbyS 1	NEb.N 1	8	3	·230	● showers *a*. Overcast, with ● *p*.
5	29·22	29·38	40·9	44·5	35·6	47·5	2·1	3·0	·213	·229	84	78	WNW 1	NNW 1	1	8	—	⌒⌙. Sunny *a*. Cloudy *p*.
6	29·34	28·49	36·9	46·2	33·7	46·2	1·0	1·7	·200	·274	92	89	Calm 0	SSE 8	10	10	·460	∞ *a*. Overcast. Squally ◢ ● *p*.
7	28·60	29·13	44·0	42·1	41·6	49·8	2·0	4·4	·244	·184	84	69	NWb.W 6	NW 3	10	3	·030	● *a*. Overcast, with squally ◢.
8	29·12	28·89	42·5	44·7	34·6	50·3	2·0	1·1	·230	·271	85	92	WbyS 1	SWbyS 1	10	10	·810	Overcast and cloudy. ● *p*.
9	28·93	29·05	40·5	36·5	35·6	45·6	1·2	1·0	·226	·197	90	92	WNW 1	WSW 1	10	1	·050	Overcast. < ● *p*.
10	29·14	·16	37·8	38·1	34·2	44·7	1·3	2·2	·202	·187	90	81	SSE 1	Calm 0	10	0	·188	Overcast, with ● *a*. Clear *p*.
11	28·99	·15	40·3	39·5	36·1	44·0	1·8	1·9	·214	·205	86	85	SEbyS 3	Calm 0	10	0	·234	Overcast *a*.
12	29·31	·23	45·2	46·0	36·6	47·8	2·0	1·4	·255	·278	85	90	SW 1	S 5	4	10	·150	Overcast, with squally ◢ ● *p*. ⌒
13	·44	·56	40·0	40·2	38·6	48·3	1·4	0·7	·218	·235	89	94	Calm 0	Calm 0	7	0	—	∞ *a*. ≋ ^{0} (mist) *p*.
14	·55	·35	43·4	54·1	35·1	54·3	2·3	1·0	·232	·390	82	93	Calm 0	SbyW 4	10	10	·150	Overcast, with squally ◢ ● *p*.
15	·79	·90	45·8	36·6	36·1	54·1	4·4	1·1	·216	·196	70	91	NWb.N 1	Calm 0	0	0	·035	Clear and sunny.
16	·77	·80	44·4	48·4	33·3	49·5	1·9	0·8	·251	·321	86	94	Calm 0	WbyS 1	10	5	·013	Overcast and gloomy.
17	·95	·91	42·5	47·5	40·7	48·4	0·6	1·5	·259	·291	95	89	Calm 0	SSW 1	10	10	·312	≋ ^{0} (mist) *a*. Overcast.
18	·92	·97	50·9	49·6	46·6	53·7	0·6	0·5	·357	·342	96	97	WbyS 1	Calm 0	10	10	·026	Overcast and cloudy. ⌓ *gp*.
19	29·98	·94	51·7	53·5	48·1	55·8	0·3	0·5	·376	·395	98	96	WbyS 1	WbyS 4	10	10	·110	≋ ^{0} (mist) *a*. Overcast. ● in evening.
20	30·02	·94	50·0	49·9	48·1	53·8	0·6	1·0	·345	·333	96	93	Calm 0	WbyS 1	10	10	·195	≋ ^{0} (mist) *a*. Overcast, with ● ^{0}.
21	29·64	·66	50·2	43·9	41·6	51·5	1·9	3·0	·315	·223	87	77	SWbyW 2	WbyN 3	10	4	·256	● *a*. Overcast day.
22	·63	29·95	46·5	49·5	42·1	49·8	2·8	0·9	·253	·331	81	93	WSW 3	WbyS 5	7	10	2·175	Overcast. Squally ◢ ● ^{2} *p*.
23	29·07	28·82	51·0	51·9	48·1	54·1	1·0	1·4	·348	·349	93	91	WbyN 3	W 5	10	10	1·610	Overcast, with squally ◢ ● ^{2} and ✳
24	28·98	29·19	39·8	37·8	35·6	52·2	2·3	3·1	·201	·171	82	75	N 2	NW 2	7	0	—	⌙. Cloudy *a*. Clear *p*. [● (sleet)
25	29·39	·73	32·5	32·0	29·3	43·7	0·9	2·5	·165	·127	89	70	NEb.N 1	NE 1	8	5	—	Cloudy day. ▲ ^{0} *p*. ✳ ^{0} in evening.
26	·86	·84	29·5	27·2	25·9	39·3	1·4	1·5	·125	·104	77	70	NE 1	Calm 0	5	3	—	Cloudy day. ✳ ^{0} *p*.
27	·75	·67	27·5	30·0	25·1	32·8	1·6	1·3	·103	·133	69	79	NbyE 1	NNE 2	8	10	·038	Cloudy with ✳.
28	·71	·74	30·4	31·0	28·0	36·1	1·7	2·3	·128	·121	75	69	NEb.N 1	NEb.N 1	2	3	—	
29	·80	·85	29·5	29·6	27·7	35·4	1·3	1·4	·128	·126	79	78	Calm 0	Calm 0	8	10	—	Sunny *a*. Cloudy *p*.
30	29·81	29·75	31·3	37·0	27·4	39·3	1·7	0·8	·136	·204	77	93	SWbyS 2	SWb.S 1	10	10	·070	Overcast. ● ^{0} in evening.
Mean	29·422	29·410	41·5	42·1	36·8	47·4	1·7	1·6	·232	·240	85·3	85·5		1·2		1·9	8·0	6·1	8·172	

HILLINGTON.—NOVEMBER 1890.

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	29·55	29·60	46·9	36·0	35·9	53·3	2·4	0·3	·265	·205	84	97	NW	3	NW	0·5	10	0	·150	● 0 early *a.* ⌊ *9p.*
2	·07	·21	52·0	35·9	35·8	54·8	0·4	0·2	·377	·207	97	98	SW	4	WSW	0·5	10	2	·005	Cloudy day.
3	·49	·30	40·5	42·2	35·3	47·5	2·5	0·4	·203	·260	80	96	NW	2	SW	1	4	10	·118	Fine and sunny. ● 0 showers from 5*p.*
4	·16	·14	43·5	37·8	37·0	50·5	0·6	0·9	·267	·209	96	93	SW	0·5	SW	0·5	8	9	·005	Sunny 10*a.*—3*p.* ⌓ 2*p.*
5	·40	·56	40·0	44·0	36·7	47·4	0·4	0·6	·238	·274	97	95	NW	2	NW	1	0	2	·010	● 0 *p.*
6	29·69	·16	40·9	44·9	37·0	50·4	0·3	1·3	·249	·267	98	91	W	1	SE	5	9	10	·290	≋ early *a.* ≋0 (mist), then fine.
7	28·81	·25	44·4	45·2	43·0	48·3	1·6	0·4	·256	·292	88	97	W	5	NW	4	10	10	·275	Very gloomy all day. Squally, with ● 2
8	29·49	·31	41·4	45·1	40·7	51·1	2·1	1·5	·218	·265	84	88	WNW	2	SW	2	0	10	·106	Very fine and sunny. Much cir. *p.*
9	·24	·46	39·8	31·9	31·3	48·2	1·1	0·3	·223	·173	92	96	W	2	W	0·5	10	0	—	Overcast. Leaves dropping fast. ⌊ *p.*
10	·60	·57	34·7	36·9	28·0	48·4	1·0	0·9	·182	·201	91	92	S	0·5	S	1	2	0	·014	⌊ 2*a.* Very fine and sunny. ⌊ *p.*
11	·42	·53	41·3	34·9	34·5	43·6	1·6	0·2	·225	·199	88	98	SE	4	SE	1	10	0	·140	Overcast, with ● 0. ⌊ *p.*
12	·71	·75	37·0	45·1	30·9	49·6	0·4	1·4	·212	·267	96	89	SW	1	SW	1	10	10	·266	Very fine and sunny.
13	·76	·87	47·9	33·5	32·0	48·7	0·2	0·0	·323	·192	99	100	NW	0·5	SW	0·5	10	0	·010	≋0 (mist) *a.* ≋ from 3.30 *p.*
14	29·03	29·83	32·1	49·3	28·9	49·5	0·4	0·6	·172	·335	95	97	SE	0·5	S	3	10	10	·002	⌊ *a.* ≋9 (mist) *a.* and *p.*
15	30·04	30·22	45·2	31·9	31·8	55·5	1·5	0·3	·266	·173	89	96	N	1	N	0·5	8	0	·010	Very fine and sunny. ⌊ *p.*
16	·18	·11	42·3	46·5	29·1	51·4	0·7	0·7	·254	·299	95	95	SE	1	S	0·5	10	0	·030	Overcast and cloudy. ● 0 showers *p.*
17	·27	·29	39·3	41·0	36·4	47·1	0·2	0·3	·236	·250	99	97	NW	0·5	SW	0·5	10	10	·005	Wet ≋ all day. Trees dripping.
18	·24	·29	49·4	48·0	40·3	53·7	0·7	0·2	·334	·330	95	99	SW	1	SW	0·5	10	10	·008	Ground ≋ 4*p.* ≋9 (mist) in even-
19	·32	·29	48·6	51·7	43·4	54·4	0·0	0·9	·343	·360	100	94	SW	0·5	SW	2	10	0	—	Overcast all day. ≋9 (mist). [ing.
20	·33	30·19	52·1	52·2	50·1	53·4	0·4	1·5	·378	·351	97	90	SW	0·5	SW	3	10	10	—	Very mild, with ≋9 (mist).
21	30·05	29·94	43·1	43·0	42·5	54·0	0·8	1·2	·260	·251	93	90	S	1	SW	3	8	2	·103	Sunny, then cloudy. ● 2 5*p.*–7*p.*
22	29·91	·63	44·5	47·0	38·1	48·5	2·2	1·4	·245	·288	83	90	SW	3	SW	5	2	10	·134	Sunny, then cloudy. ● 0 5*p.*–7*p.*
23	·38	·13	53·0	55·9	46·3	56·4	0·3	2·0	·394	·388	98	87	W	3	W	5	10	10	·550	Overcast all day, with ● 0 showers.
24	·12	·45	41·1	36·8	36·3	56·3	0·5	2·1	·247	·179	96	82	N	1	NNW	2	10	0	·110	● 2*a.* Cold, with ● showers. Fair *p.*
25	29·61	29·90	39·3	33·2	32·9	42·3	0·7	1·5	·226	·158	95	83	E	1	E	4	9	8	·176	● 2 showers. ✳ 5*p.* Ψ.
26	30·06	30·04	31·0	28·7	26·2	33·5	1·0	0·3	·149	·148	85	95	NE	3	NE	2	2	10	·275	Clear *a.* ▲ noon. ✳ 2*p.* (2 ins. deep
27	29·90	29·87	28·5	24·8	18·1	29·8	0·5	0·1	·142	·130	91	97	ENE	3	ESE	3	5	10	·190	✳ 4 ins. 9*a.*, 5 ins. 2*p.*, 6 ins. 9*p.* [9*p.*).
28	29·92	29·99	28·5	26·1	23·4	29·2	0·6	0·3	·139	·131	89	93	ESE	1	E	0·5	9	10	·050	Overcast all day. ✳ 0 showers.
29	30·05	30·14	30·2	25·0	25·0	34·2	0·5	0·3	·154	·123	92	92	NE	1	NE	1	10	2	—	Overcast. Slight thaw. Ψ 0.
30	30·23	30·20	17·8	31·5	14·2	32·5	0·4	0·6	·083	·162	87	92	S	0·5	SW	2	10	8	·020	Overcast all day.
Mean	29·731	29·741	40·5	39·5	34·1	47·5	0·9	0·8	·242	·236	92·3	93·3		1·7		1·9	7·6	5·8	3·054	

CHURCHSTOKE.—NOVEMBER 1890.

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	29·21	29·09	48·7	43·5	41·6	54·6	2·6	1·6	·279	·247	82	87	NW	1	WSW	1	7	1	·200	
2	28·60	28·83	47·9	45·0	43·0	55·3	2·4	2·4	·276	·245	84	82	W	3	W	3	3	10	·195	Squally and threatening, with [showers.
3	29·03	·82	40·3	46·0	38·2	47·2	1·4	1·1	·221	·284	89	92	W	1	SW	2	9	0	·049	Dull and raw, with ● 0.
4	28·65	28·68	41·1	42·0	36·9	51·4	1·2	0·1	·232	·265	90	99	W	1	W	1	2	10	·239	● storms. ≋9 (mist).
5	29·06	29·21	43·6	39·8	38·0	48·5	2·4	0·9	·231	·226	82	93	NW	2	WNW	1	5	0	·005	
6	29·18	28·36	37·4	46·8	31·2	49·2	0·3	0·9	·218	·298	97	93	Calm	0	W	2	9	10	·953	⌊ *a.* Steady ● *p.*
7	28·64	29·04	43·8	39·8	39·0	47·5	4·2	2·9	·201	·188	70	77	NW	5	NW	2	10	1	—	Stormy and threatening, with squally
8	·98	28·74	47·9	34·7	34·0	55·6	2·5	0·8	·273	·185	83	93	SW	3	NW	3	8	10	1·116	Cool wind. ✳ from 9*p.* [squall.
9	28·83	·92	39·8	34·9	32·0	47·9	1·1	1·0	·223	·183	92	91	W	1	SE	2	4	5	·132	Fine and bright.
10	29·01	·87	40·8	39·8	34·8	49·5	1·5	1·9	·224	·207	88	85	SW	2	SE	4	9	10	·210	Raw, with stormy ● . ● *p.*
11	28·82	28·99	40·3	40·0	36·0	48·6	0·6	1·6	·237	·214	96	87	SE	1	SW	2	8	10	·218	Bright day. ● in evening.
12	29·20	29·13	43·6	47·4	38·0	49·9	1·9	0·5	·241	·315	86	96	NNW	2	SE	1	5	5	·160	Dull and raw.
13	·28	·39	41·6	35·1	34·0	49·8	0·7	0·2	·247	·200	95	98	SW	1	Calm	0	8	0	·005	Raw and squally, with ● .
14	·34	·23	43·0	36·1	33·0	56·3	2·1	1·1	·232	·418	83	92	SSE	4	SW	2	8	10	·080	Dull day.
15	·62	·70	44·6	33·0	32·0	56·1	1·9	0·3	·252	·182	86	96	NNW	1	NW	1	4	0	·074	⌊ . Clear and mild.
16	·56	·66	44·5	46·7	31·4	56·8	0·5	0·8	·281	·299	96	94	SW	2	WNW	2	9	8	·005	
17	·75	·76	47·5	50·4	41·2	51·1	0·6	0·2	·313	·361	95	98	SE	1	W	1	9	10	·010	⊅
18	·77	·82	52·9	54·1	50·2	57·1	0·9	1·8	·375	·367	94	87	W	1	W	0·5	9	10	—	Fine and warm.
19	·82	·84	54·2	54·9	48·3	61·7	1·9	1·7	·366	·381	87	89	Calm	0	WNW	2	7	5	·003	⊅ . Warm day.
20	·87	·78	53·1	49·1	48·0	58·4	2·3	1·9	·342	·301	84	86	W	2	W	3	2	9	—	⊅ . Clear and mild.
21	·50	·56	50·8	41·6	41·0	53·3	2·2	2·3	·315	·215	85	82	SW	4	WNW	2	5	1	·071	Breezy, cool, and clear. ● *p.*
22	29·54	29·21	46·6	49·7	39·6	49·8	2·5	1·7	·360	·313	83	88	WNW	3	W	4	3	8	·102	Squally ⁄ ● showers.
23	28·98	28·75	54·4	53·2	49·2	56·2	2·2	0·5	·361	·391	85	97	W	5	W	3	9	9	·710	Squally ⁄ .
24	28·83	29·09	38·1	33·5	32·7	53·3	1·1	0·6	·208	·179	90	93	N	3	NNW	1	10	1	·150	Clear and cold. Snow on hills.
25	29·18	·47	34·6	32·4	32·0	37·5	0·7	0·5	·186	·172	94	95	NE	1	E	2	9	9	—	⌊ . ✳ 0 ● 0 (sleet).
26	·64	·62	26·7	23·0	22·2	32·9	0·6	0·0	·124	·128	87	100	N	1	NW	1	0	8	—	⌊
27	·51	·42	25·9	28·9	20·7	30·5	0·2	0·1	·133	·156	96	98	NNE	2	N	2	8	10	—	⌊ . Very sharp, with bitter wind.
28	·46	·53	29·9	27·1	26·3	31·4	0·0	0·0	·166	·148	100	100	N	1	NNE	2	10	10	·090	Steady ✳ .
29	·61	·68	28·1	26·1	24·3	32·0	0·2	0·2	·148	·134	96	96	NE	1	NE	1	10	8	—	Dense mist on hills. ⌊
30	29·65	29·59	33·1	40·6	22·1	40·8	0·4	1·7	·180	·218	95	87	SW	2	SW	4	10	10	·050	⌊ . Thaw.
Mean	29·274	29·259	42·2	41·2	35·7	49·0	1·4	1·0	·245	·247	89·0	91·7		1·9		2·1	7·0	6·6	4·887	

CARMARTHEN.—NOVEMBER 1890.

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	29·63	29·33	50·3	53·7	47·5	56·7	1·6	0·3	·323	·404	89	98	NW	1	SW	4	8	10	·650	
2	·03	·30	53·1	46·8	46·3	56·1	4·2	3·3	·396	·245	73	78	W	4	W	3	7	9	·040	● *p.* Frequent ● showers.
3	·43	·20	43·9	45·8	40·9	52·8	2·9	0·8	·225	·289	78	94	SW	1	W	1	10	7	·360	Frequent ● showers.
4	·03	·04	46·2	45·8	40·8	55·1	1·3	0·8	·283	·289	91	94	SW	1	Calm	0	10	10	·530	Frequent ● showers.
5	·50	29·61	44·8	46·2	43·7	49·9	1·3	2·1	·267	·264	90	86	NW	1	NW	1	9	8	·250	Overcast, with ●
6	·55	28·74	41·9	50·2	38·3	53·0	0·4	1·3	·257	·329	97	91	Calm	0	SW	8	10	10	1·000	Stormy and squally *p.*
7	·16	29·45	48·5	45·0	44·5	50·9	6·0	2·5	·211	·243	62	82	NW	7	NW	3	3	4	·030	Dull day.
8	·35	·11	46·3	42·3	38·5	55·5	0·3	1·1	·307	·246	97	92	Calm	0	Calm	0	9	10	·760	Stormy day.
9	·26	·33	44·6	37·6	33·5	51·6	3·1	0·1	·229	·224	78	100	Calm	0	Calm	0	10	10	·190	Overcast, with ●
10	·42	·18	48·8	44·3	35·6	54·5	3·3	0·8	·267	·273	78	94	Calm	0	SE	3	3	10	·450	Overcast. ▲ 1 *p.* ● *p.*
11	·19	·41	46·3	43·5	38·0	53·1	1·8	0·8	·272	·264	88	94	Calm	0	Calm	0	0	8	·050	Fine, then ●
12	·58	·48	39·7	50·7	35·5	52·6	0·2	0·3	·239	·362	98	98	Calm	0	Calm	0	8	9	·490	Fog in valley.
13	·66	·73	41·5	39·9	38·3	51·4	0·0	0·4	·262	·238	100	97	Calm	0	Calm	0	5	10	·020	Dull day.
14	29·67	29·71	46·6	55·3	38·1	55·9	0·4	0·1	·307	·434	97	99	S	2	SW	4	10	10	·340	∞ 9 *a.* ≋9 *p.*
15	30·03	30·04	50·2	40·3	39·8	55·9	3·4	1·2	·279	·225	78	91	Calm	0	E	2	4	3	·170	Overcast, with ● all day.
16	29·94	·04	52·2	50·7	39·6	54·3	0·1	0·1	·388	·367	99	99	SW	2	Calm	0	10	10	·070	Very fine day.
17	30·14	·12	49·3	52·5	48·8	53·3	0·0	0·1	·352	·393	100	99	Calm	0	SW	1	10	10	·240	Dull, with ● 0.
18	·16	·20	53·7	52·8	51·8	55·1	0·0	0·0	·413	·400	100	100	SW	1	SW	1	10	10	·080	Overcast, with ● 0 all day.
19	·25	·25	53·7	53·2	51·5	55·5	0·1	0·2	·410	·400	99	99	SW	1	SW	1	10	10	·150	Overcast, with ● 0 all day.
20	·39	30·33	52·9	53·1	50·8	55·2	0·8	0·9	·378	·378	95	93	W	2	SW	1	10	10	·090	Dull all day.
21	29·95	30·01	51·2	42·9	42·6	52·6	0·8	1·7	·355	·239	95	87	SW	4	Calm	0	10	1	·230	Dull all day.
22	30·02	29·69	50·5	50·7	41·6	52·8	2·1	0·0	·313	·370	86	100	W	1	SW	4	8	10	·380	Overcast. ● in evening.
23	29·52	·25	53·7	54·7	47·8	57·1	0·3	0·7	·404	·407	98	95	W	1	W	5	10	10	·250	Dull, with ●
24	·28	·51	45·8	39·9	39·1	55·0	2·3	1·6	·256	·214	84	87	N	4	N	2	3	4	·250	Frequent ▲ ● showers.
25	29·56	·81	40·9	35·0	33·9	44·5	2·4	2·1	·208	·172	82	83	N	1	N	4	0	0	—	Fine day.
26	30·01	·98	33·9	28·4	27·5	37·5	2·8	0·7	·142	·135	73	87	NE	1	N	2	0	0	—	Fine day.
27	29·90	·80	30·9	30·1	23·7	35·5	0·8	0·1	·152	·165	88	98	N	1	N	1	0	0	—	Fine day.
28	·84	29·90	32·9	31·6	28·5	37·3	1·8	1·7	·150	·139	80	79	NE	1	NE	2	2	10	—	Fair, then dull.
29	29·98	30·06	29·0	28·1	25·9	34·9	0·2	0·0	·154	·154	96	100	Calm	0	E	1	10	8	—	Dull day.
30	30·08	30·02	41·4	45·0	27·5	45·5	2·9	2·2	·203	·250	79	84	SW	2	SW	3	10	10	·220	Dull, then ●
Mean	29·681	29·650	45·5	44·5	39·3	51·0	1·6	0·9	·277	·283	88·4	92·8		1·3		1·9	6·6	7·7	7·290	

MARGATE.—NOVEMBER 1890.

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

1	29·59	29·68	48·8	42·6	41·1	52·8	2·6	0·7	·281	·258	81	94	W	3	SW	1	10	0	·050	Fine day. ⊅ 9*p.*
2	·19	·26	52·1	43·0	40·2	53·8	0·3	1·4	·381	·246	98	89	SW	3	SW	2	10	0	·240	● *a.* Fine afternoon. ⊅ 9*p.*
3	·56	·37	44·0	48·1	41·0	48·1	2·2	0·3	·239	·329	83	98	SW	1	W	3	0	10	·090	Fine *a.* and *p.* ● in evening.
4	·23	·16	46·0	45·1	41·4	50·8	0·9	1·1	·289	·274	94	91	SW	2	W	1	10	10	·050	⊅ 9*a.* ● *a.* Fine *p.*
5	·38	·56	46·1	46·0	43·1	50·8	0·2	2·3	·307	·258	98	84	N	1	NW	3	6	10	—	Fine day.
6	·70	·29	44·3	48·5	42·8	52·5	1·0	4·3	·268	·242	92	71	NW	2	SW	5	3	10	·170	≋ *a.* ⁄ at night.
7	·03	·24	48·1	45·0	41·7	49·4	3·6	1·0	·252	·275	75	92	SW	5	NW	5	9	10	·110	⁄ all day. ● at night.
8	·52	·36	44·9	48·2	43·2	51·7	2·7	0·5	·238	·324	81	97	W	2	W	1	8	2	·110	● 8*p.*
9	·32	·51	41·8	36·8	35·2	49·0	1·8	0·7	·227	·204	86	94	W	2	Calm	0	10	0	·010	Dull *a.* Fine *p.*
10	·61	·62	43·1	42·6	33·7	50·0	1·1	1·0	·254	·251	91	92	SW	1	N	2	0	5	—	⌊ *a.* Fine but cold.
11	·47	·56	42·1	43·0	39·1	47·6	1·6	0·7	·234	·262	88	94	SW	3	Calm	0	10	10	·050	Dull day.
12	·78	·84	40·0	47·7	34·2	53·6	0·9	1·7	·228	·289	92	88	SW	1	S	1	0	10	·120	⌊ *a.* Finer.
13	·80	·86	50·7	47·2	45·8	53·8	0·7	0·2	·352	·321	95	99	SW	3	Calm	0	10	10	·040	Dull day. ● showers.
14	29·96	29·95	47·1	53·1	44·7	53·8	0·2	0·1	·319	·401	98	99	Calm	0	SW	3	10	10	·010	≋ *a.* Dull day.
15	30·03	30·21	55·6	50·1	49·0	56·4	0·7	2·5	·421	·299	95	83	SW	2	SW	1	10	10	—	Dull with ● .
16	·21	·17	49·4	53·8	48·5	54·2	1·4	0·5	·347	·400	90	97	E	1	SW	1	10	10	·010	Fine *a.* Dull afternoon.
17	·29	·34	45·8	47·2	43·4	53·8	0·3	0·3	·302	·318	98	98	S	1	SW	1	10	0	—	≋ *a.* ≋2 2*p.*–4*p.*
18	·32	·33	51·3	52·0	44·4	54·5	1·3	0·1	·344	·385	91	99	SSW	2	W	1	10	10	·040	Dull all day. ≋ 9*p.*
19	·37	·40	52·2	52·5	49·7	53·8	0·1	0·1	·388	·393	99	99	Calm	0	SW	1	10	10	—	Dull day. ≋.
20	·39	30·33	52·9	53·1	50·8	55·2	0·8	0·9	·378	·378	95	93	W	2	SW	1	10	10	—	Dull and mild. ≋.
21	·16	29·93	49·3	49·1	48·0	53·1	1·7	3·7	·307	·261	88	74	SW	3	N	3	10	10	·050	Dull day. ● in evening.
22	30·05	·78	44·0	47·1	39·2	56·8	2·1	1·1	·241	·296	83	92	SW	2	SW	4	0	10	·090	● 2 at night.
23	29·49	·27	50·9	58·2	46·2	59·0	2·0	3·2	·404	·389	87	80	SW	3	SW	3	10	10	·240	
24	·20	·48	46·8	41·4	40·2	58·5	3·5	3·5	·240	·192	76	74	SW	5	NW	4	2	0	—	Stormy *a.* Fine day. Ψ
25	·55	·80	40·7	37·8	36·0	42·4	1·6	3·2	·220	·168	87	74	NW	2	NE	3	10	10	·300	Rough day, with ● .
26	·98	·97	33·0	30·7	28·1	38·7	0·5	0·0	·197	·172	94	100	NE	4	E	4	8	8	·210	⌊ *a.* ✳ *a.*, and at night.
27	·83	·82	29·4	19·0	19·0	32·6	0·2	1·2	·156	·065	97	63	E	2	E	1	10	10	·160	✳ 2 *p.*
28	·89	29·98	23·6	24·4	18·2	26·7	0·6	0·1	·104	·127	83	97	E	1	NE	1	10	10	—	✳ all day.
29	29·99	30·14	33·8	37·8	24·2	38·8	0·0	0·8	·194	·211	100	93	E	2	N	1	10	10	—	Milder.
30	30·29	30·30	28·8	35·0	25·0	38·3	0·8	2·0	·135	·166	86	80	SW	1	SW	1	2	0	—	⌊ all day.
Mean	29·772	29·783	44·4	44·2	39·2	49·7	1·2	1·3	·273	·272	90·0	89·3		2·1		1·9	7·6	7·5	2·150	

SOUTHAMPTON.—NOVEMBER 1890.

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	29·70	29·71	51·8	44·8	44·8	58·7	3·5	1·0	·297	·273	77	92	NW 2	SW 1	1	1	·188	Beautiful day. ⌓ *n.*
2	·20	·35	53·8	47·0	42·6	57·0	0·7	2·2	·395	·271	95	85	SW 4	WNW 3	10	1	·015	● till 10*a*.
3	·64	·38	43·2	50·0	39·3	52·1	1·8	1·2	·440	·329	86	92	NW 1	SW 3	10	0	·120	Beautiful till 9*a*., then overcast. ● *2p.* [—8*p*.
4	·26	·15	46·5	43·6	43·6	55·6	1·5	0·5	·281	·272	89	96	WSW 2·5	W 1	7	0	·050	● till 7*a*. ● ² shower *2p*.
5	·50	·70	43·9	41·7	41·0	52·6	0·9	1·0	·266	·243	93	93	NW 2·5	N 1	10	10	—	Clear 11*a*.—3*p*. ⌓ *p*.
6	·77	·13	38·7	49·1	35·2	52·2	0·3	0·4	·229	·339	97	97	WSW 1	SW 6	4	10	·538	Beautiful day till 4*p*., then ↙ ●.
7	·21	·46	47·2	45·9	45·7	52·7	3·5	3·8	·245	·228	76	74	NW 5·5	NW 5	9	4	—	↙ *a*. Fine, with cold drying wind.
8	·58	·23	38·9	52·0	36·7	54·8	0·7	1·9	·223	·338	95	87	SE 0·5	S 4·5	7	10	·294	Beautiful day till 3*p*., then ●.
9	·37	·49	43·5	35·8	35·5	52·6	1·7	0·8	·246	·195	86	93	WNW 1	E 1	2	0	·012	Beautiful day. ● from 10*p*.
10	·61	·51	36·0	42·1	30·4	52·1	0·8	1·6	·197	·234	93	88	NE 0·5	SE 1·5	0	10	·112	⌓ *a*. Beautiful day.
11	·36	·59	44·7	38·2	37·9	53·1	1·9	0·7	·253	·216	86	95	SW 1·5	SW 0·5	9	0	—	Beautiful day. ⌓ *n.* [from 6*p*.
12	·79	·78	34·2	50·1	31·3	53·6	0·2	1·2	·194	·331	98	91	NE 0·5	SW 2·5	0	10	·240	⌓ ≋ *a*. Beautiful morning. ●
13	·83	·89	45·7	39·7	39·5	52·8	0·4	0·2	·299	·241	97	98	NW 0·5	NW 1·5	10	0	·006	Dull and damp. ≋²⁰ *a*. ≋² *p*.
14	29·95	29·92	43·0	55·8	37·9	56·4	0·2	0·3	·273	·437	98	98	SE 1·5	SW 3	10	10	·080	Fine *a*. ● from 2*p*.
15	30·10	30·21	49·6	45·2	45·1	56·6	0·8	0·8	·335	·283	95	94	N 1	NE 1	10	10	—	Dull *a*. Beautiful afternoon.
16	·18	·20	51·8	52·5	45·0	55·8	0·5	0·6	·372	·378	96	95	SSE 1·5	NW 1	10	5	·042	Very dull and damp *a*. ● ⁰ showers.
17	·32	·34	44·7	50·8	42·4	53·2	0·2	0·2	·292	·367	98	98	NE 1	S 1	10	10	·020	≋ *a*. Day fine. ● ⁰ in evening.
18	·36	·38	52·4	53·5	50·0	56·7	0·8	1·0	·371	·382	94	93	SW 1	SW 1	10	10	—	Dull and mild.
19	·40	·43	53·8	54·5	51·4	56·8	0·3	0·7	·407	·405	98	96	WSW 1	WNW 1	10	10	—	Dull and mild.
20	·45	·39	52·1	51·2	50·9	57·2	1·0	1·5	·363	·338	93	90	SW 1·5	WNW 2	10	10	·003	Fine, mild, and pleasant.
21	·19	30·07	50·8	47·0	47·0	53·5	1·2	1·8	·341	·280	91	87	SW 2	NW 3	10	0	·087	● showers till 7*p*.
22	30·17	29·91	46·7	48·8	41·8	52·1	1·4	0·9	·286	·323	90	93	WSW 1·5	WSW 3	10	10	·065	Fine and dry *a*. ● ² in evening.
23	29·63	·42	55·5	56·6	48·8	58·9	2·3	1·8	·376	·405	85	88	NW 4·5	WSW 4·5	10	10	·032	
24	·27	·60	46·1	38·5	38·3	57·2	2·3	1·6	·260	·201	84	87	WSW 3	NW 3	9	1	—	Fine day. Beautiful night. [wind.
25	29·64	29·82	33·8	37·9	31·1	43·7	0·3	1·5	·188	·199	97	88	N 1	NE 4	0	10	—	⌓² *a*. Beautiful day, but with cold
26	30·04	30·03	30·3	27·2	26·9	39·2	0·9	0·4	·146	·135	86	91	NNE 3	NNE 3	5	0	—	⌓ *a*. and *p*. Beautiful day, but cold.
27	29·93	29·84	27·8	25·7	25·5	33·1	0·5	0·8	·137	·112	91	81	NE 2·5	NE 3	9	8	·007	⌓ *a*. Very cold. ⁰ showers from 1*p*.
28	29·91	30·00	23·4	16·5	16·5	36·6	0·2	0·1	·118	·089	95	97	ESE 2	NE 1·5	10	0	·025	✳ showers from 8*a*.—4*p*.
29	30·07	·18	26·1	31·8	16·4	32·5	0·3	1·1	·132	·154	93	86	NNE 1·5	NNE 1	10	10	—	
30	30·31	30·29	27·1	35·7	25·3	40·6	0·1	1·2	·145	·188	98	89	N 0·5	SW 1	10	2	—	⌓ ≋ *a*. ≋² midday. ⌓ *p*.
Mean	29·823	29·813	42·8	43·6	38·1	51·0	1·0	1·1	·264	·273	91·7	91·1		1·8		2·3	7·7	5·7	1·936	

BABBACOMBE.—NOVEMBER 1890.

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	29·54	29·47	54·8	48·1	44·8	59·8	3·9	1·8	·325	·292	76	87	NNW 2	SW 3	3	10	·200	⌓ *n.* Clear 1*p*.—4*p*. ≋⁰ (mist) *p*.
2	·03	·24	52·6	46·9	46·0	56·2	3·0	3·3	·318	·246	80	78	W 4	NW 4	4	1	·030	Squally ↙ 5*a*.—6*a*. ● showers till 7*p*.
3	·42	29·23	43·7	50·0	39·0	52·7	2·6	1·4	·229	·324	80	90	WSW 1	WSW 3	10	1	·320	≋⁰ (mist) *a*. Dull day. Green sky at
4	·05	28·98	49·4	46·0	43·4	54·9	2·7	1·0	·286	·287	82	93	WSW 3	W 1	2	9	·050	⌓ *n.* ● showers. [sunset. ⌓ *p*.
5	·34	29·54	46·0	44·4	43·2	53·8	2·1	2·0	·262	·247	85	85	NNW 3	WNW 1	8	2	—	Clear 11*a*.—3*p*. ⌓ *p*.
5	·52	28·88	42·6	49·7	39·1	53·4	1·9	2·1	·232	·304	86	86	SW 2	W 5	9	3	·620	● ² showers *p*. Squally ↙ (gale) 6*p*.
7	·14	29·36	47·3	44·9	44·4	52·3	3·5	3·2	·208	·229	65	77	NW 6	WNW 3	2	1	·010	Squally ↙ *a*. Fine day. [● ² 7*p*.
8	·34	·03	52·0	44·9	42·1	58·1	3·2	1·0	·330	·274	85	93	SW 2	W 3	2	10	·270	⌓. ≋⁰ (mist) *a*. ⊕⁰ 1*p*.
9	·19	·25	43·9	35·9	35·1	52·9	2·6	1·1	·231	·189	80	91	SW 2	WNW 2	2	1	—	⌓ *n.* and *p*. ▲ 1*p*. ≺ 7*p*.
10	·36	·16	42·7	45·9	32·5	54·0	2·7	3·2	·218	·238	80	78	WSW 2	S 6	1	10	·500	⌓ *n.* ≋⁰ (mist) till 11*a*. Squally ↙
11	·15	·36	47·7	39·8	38·5	52·6	3·7	1·1	·246	·223	75	92	WNW 3	WSW 1	7	0	·050	↙ till 2*a*. ⊕⁰ 10*a*. ● ² ▲⁰ 3*p*.
12	·53	·45	46·9	52·1	39·2	52·3	2·0	0·1	·274	·386	86	89	SW 2	SSW 6	4	10	·210	⌓² *n.* ≋⁰ (mist) till 1*p*.
13	·59	·63	46·6	42·7	39·7	52·9	0·5	0·3	·305	·267	97	97	WSW 1	NNW 1	10	2	·020	● ≋⁰ (mist) till 4*p*. ⌓² *p*.
14	·66	·62	50·9	55·9	38·2	56·7	0·2	0·3	·367	·437	99	98	SSE 3	SW 5	10	10	·100	Scotch ≋ noon. Dull and gloomy.
15	·88	·93	49·1	50·7	45·4	56·1	2·2	2·0	·294	·318	84	87	NNW 3	ESE 3	7	10	·190	⌓ *n.* Dull and gloomy *p*. ● 9*p*.–11*p*.
16	29·86	29·98	54·1	45·8	45·4	55·3	0·2	0·4	·413	·298	98	97	SW 4	NW 1	10	0	·040	Dull, with ● ≋⁰ (mist). ⌓² *p*.
17	30·04	30·08	49·2	50·9	42·8	54·3	0·2	0·7	·345	·355	99	95	ENE 1	SW 2	10	10	·040	Dull, with ≋⁰ (mist). Scotch ≋
18	·11	·13	52·1	53·0	50·2	55·6	1·2	0·2	·357	·397	91	99	WSW 2	WSW 3	9	10	—	Dull day. Scotch ≋⁰ 7*p*. [noon.
19	·16	·21	53·8	52·0	50·2	55·3	0·3	0·9	·406	·364	98	94	WSW 2	WSW 1	7	10	—	⌓² *n.* ≋⁰ (mist) till 5*p*.
20	30·23	30·15	49·2	49·0	46·2	52·5	0·5	1·0	·338	·322	97	93	W 1	WSW 3	10	10	·010	Dull day.
21	29·94	29·91	51·3	45·0	44·8	52·6	0·8	3·3	·357	·228	95	76	SW 4	NW 3	10	1	·080	Dull, with ● showers. ⌀⁰ 11*p*.
22	·96	·73	48·2	49·8	43·0	54·5	1·4	2·0	·303	·307	91	87	W 3	W 5	8	10	·010	⊕⁰ 3*p*. ● showers. Squally ↙ 11*p*.
23	·49	·29	54·0	53·7	49·2	58·3	2·1	1·2	·358	·378	85	92	WNW ●	W 7	8	9	·110	Squally ↙ ● ⁰ *n.* ● ⁰ showers.
24	·15	·45	47·3	38·9	38·3	54·0	3·3	2·5	·250	·188	77	81	WNW 5	NW 3	5	2	·110	Squally ↙ till 2*a*. ▲ 3*p*. ⌀⁰ ⁓².
25	·39	·57	39·6	38·8	33·1	45·5	1·7	2·0	·209	·197	86	84	NW 2	NE 5	1	9	—	⌓ *n.* ● ² 1*a*. ≋⁰ (mist) *p*.
26	·78	·78	32·0	30·8	30·4	38·9	1·8	1·7	·141	·131	77	75	NE 5	NE 4	5	3	—	[Squally *p*. ✳⁰ 3*p*.
27	·71	·63	27·2	30·4	25·3	34·9	0·9	2·5	·119	·110	82	65	NNE 4	NNE 3	2	8	—	⌓⁰ *n.* ≋⁰ (mist) till 5*p*. ✳⁰ 4*p*.
28	·65	·70	27·0	26·5	25·4	31·5	1·3	2·0	·106	·085	73	59	NE 4	ENE 4	10	1	·010	✳ *n.* and *p*. Squally ↙ 6*p*.
29	29·84	29·94	27·3	32·0	22·3	35·1	2·2	1·0	·087	·158	59	87	NE 2	N 2	1	10	—	⌓⁰*a*. ≋⁰ (mist). Dull *p*.
30	30·03	30·00	30·0	41·6	26·6	41·7	1·0	1·7	·140	·227	83	87	W 2	SW 3	4	10	—	⌓ *a*. ≋⁰ (mist). ⊕⁰ *a*. Dull *p*.
Mean	29·603	29·588	45·3	44·5	39·5	51·3	1·9	1·6	·268	·267	84·4	86·7		2·9		3·2	6·0	6·1	2·980	

LONDONDERRY.—NOVEMBER 1890.

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	29·67	29·05	44·7	53·7	44·0	54·0	1·0	1·0	·273	·384	93	93	SW 2	SW 5	6	10	·740	● *p*.
2	28·94	·43	46·0	41·5	40·0	55·0	1·8	1·8	·269	·225	87	87	SW 3	WNW 3	3	10	·200	● showers.
3	29·35	·14	40·1	44·4	38·8	50·3	1·1	1·2	·225	·265	91	91	SW 3	SW 2	10	10	·070	● 8*a*.—noon.
4	·01	·40	42·7	45·9	40·0	46·8	1·0	1·3	·252	·280	92	92	W 3	NW 2	10	10	·100	● showers during day.
5	·72	29·73	44·2	39·7	38·6	47·2	2·2	1·0	·242	·224	83	92	N 2	NW 1	8	1	·100	● showers all day.
6	·33	28·60	45·0	49·2	37·0	52·3	1·6	1·2	·262	·319	88	92	SW 2	SW 5	10	10	1·420	Constant ● all day.
7	·53	29·42	45·2	43·5	38·8	49·6	4·2	1·9	·213	·242	71	85	SW 2	NW 3	10	1	·180	● showers *a*.
8	·25	·22	46·0	37·7	37·0	49·4	1·0	0·8	·287	·211	93	93	SW 2	SW 2	10	0	·040	● during day.
9	·35	·43	34·7	43·1	33·0	46·7	1·0	2·1	·182	·233	91	83	SW 2	N 2	3	10	·480	● showers during day.
10	29·43	·19	41·7	40·7	37·0	47·8	1·0	1·5	·243	·222	93	88	SW 2	SW 2	3	10	·330	● at night.
11	28·99	·28	40·2	41·2	39·6	46·7	0·5	1·2	·239	·233	96	91	SW 2	SW 2	10	10	·030	● *a*.
12	29·45	·41	44·7	42·7	38·3	50·0	3·3	1·7	·225	·237	76	86	SE 2	SW 3	10	0	·330	Constant ● 9*a*.—4*p*.
13	·62	·76	40·9	43·7	38·0	48·5	0·7	2·0	·240	·242	95	85	SW 2	SW 2	3	10	·140	
14	29·54	29·72	45·2	47·7	42·7	56·7	1·2	3·0	·273	·261	91	80	SW 2	NW 3	10	5	·220	● nearly all day.
15	30·08	30·12	40·7	43·9	38·0	50·2	1·0	1·2	·233	·260	92	91	SW 2	SW 2	4	0	—	Fine day.
16	29·92	30·12	44·7	41·0	40·0	48·3	1·0	1·0	·273	·235	93	92	SW 2	SW 2	10	0	·180	Fine during day. ● in evening.
17	30·08	29·97	46·9	53·6	34·6	54·0	1·7	1·4	·281	·372	88	90	SW 2	S 2	8	10	·100	● in evening.
18	·17	30·10	47·7	54·7	47·0	55·0	0·7	1·9	·313	·374	95	88	SW 2	S 4	0	10	·020	↙ ● in evening, with very red sky.
19	·17	·28	55·0	46·7	45·0	56·0	1·3	0·7	·395	·302	91	95	SW 1	SW 2	10	1	·180	● nearly all day.
20	30·22	30·05	45·7	52·0	41·5	54·8	0·5	0·9	·295	·364	96	94	SW 2	SW 2	10	10	·360	● during day.
21	29·94	29·96	46·7	42·0	41·0	52·6	2·0	0·9	·272	·247	86	93	SW 2	SW 2	10	4	·270	● showers.
22	·90	·55	48·6	53·2	41·0	53·5	1·9	1·0	·297	·376	87	92	SW 2	SW 2	10	10	1·230	Constant ● all day.
23	·32	·15	53·2	47·7	47·0	54·4	0·5	2·0	·391	·264	97	81	SW 2	W 5	10	10	·440	Constant ● and ↙ during day.
24	·55	29·63	38·7	39·9	37·8	47·8	1·5	1·6	·206	·214	88	87	SW 2	NW 2	10	5	·160	● showers all day. ▲ ✳ ● (sleet).
25	29·76	30·16	41·2	37·6	37·0	42·7	2·2	1·2	·213	·202	83	90	N 2	NE 1	4	5	·050	● showers during day.
26	30·23	·19	34·7	31·7	30·0	38·2	1·0	1·5	·182	·145	91	80	SW 2	E 1	4	0	—	✳ shower *a*.
27	·14	·16	28·7	29·9	26·6	34·0	1·0	1·0	·129	·140	83	84	S 1	NE 1	2	4	—	Fine day.
28	·20	30·15	28·2	31·2	25·1	33·1	0·9	1·3	·127	·144	83	82	SW 2	NE 1	10	10	—	
29	30·08	29·90	30·2	36·4	27·0	37·7	1·4	2·7	·133	·166	78	78	SW 2	SW 2	4	10	·330	● in evening.
30	29·76	29·78	43·7	50·7	35·0	50·7	1·0	0·7	·262	·352	92	95	SW 2	SW 3	10	10	—	
Mean	29·683	29·668	42·5	43·6	37·9	48·8	1·4	1·5	·248	·258	88·8	88·3		2·0		2·4	7·4	6·5	7·700	

ARMAGH.—NOVEMBER 1890.

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	29·56	29·02	47·8	53·0	44·2	53·8	2·7	1·1	·267	·371	81	92	SW 1	S 3	0	10	·655	
2	28·87	·38	48·6	41·4	39·3	55·1	3·5	2·4	·260	·212	76	82	SW 3	W 1	9	9	·058	
3	29·26	·06	40·7	43·5	37·7	50·3	1·0	1·5	·233	·249	92	88	S 3	SSW 1	10	8	·015	
4	28·89	·23	44·8	42·5	38·5	48·5	1·2	0·7	·269	·257	91	94	S 1	NW 0·5	10	10	·130	
5	29·57	29·01	45·0	38·5	37·8	49·6	2·2	1·5	·249	·203	84	87	W 1	SW 1	8	8	·010	
6	·29	28·48	44·0	48·5	36·0	53·5	3·0	0·5	·224	·328	77	96	SSE 4	SW 2	10	10	1·205	● all day from 8.30*a*.
7	·17	29·34	45·3	40·0	39·0	50·5	3·7	1·4	·223	·218	74	89	NW 3	SSW 2	4	2	·207	
8	·13	·11	47·4	37·8	37·7	49·7	0·8	1·0	·308	·208	94	92	SSW 0·5	SW 1	10	10	·010	
9	·22	·27	36·4	40·2	31·0	46·5	1·5	1·4	·187	·220	87	89	SSW 1	WNW 1	0	10	·302	⌓² *a*.
10	29·28	·07	41·8	41·3	38·7	43·1	1·2	1·7	·240	·225	91	87	N 0·5	SSE 3	8	10	·798	
11	28·93	·15	42·5	40·0	39·0	47·8	1·9	0·5	·232	·237	85	96	SSW 3	SW 1	10	10	·040	
12	29·37	·33	42·0	42·5	38·0	49·9	1·7	1·8	·231	·234	87	86	S 2	SSW 3	10	2	·170	
13	·55	·65	42·6	44·3	37·9	50·6	1·9	1·5	·233	·258	86	88	S 1	S 2	2	10	·345	
14	·34	·58	47·7	46·5	43·3	57·5	1·1	1·7	·304	·277	92	88	SE 6	S 1	10	10	·208	Bar. "heaving" 9*a*. Very warm after-
15	·99	29·98	43·7	40·0	36·0	50·1	3·2	1·0	·218	·226	76	92	SSW 1	SW 1	0	0	—	Fine day. [noon.
16	·80	30·01	47·4	41·6	35·8	50·7	1·4	0·2	·293	·259	90	98	SSE 2	SSW 1	10	0	·010	Overcast, with ≋ from 10*p*.
17	29·97	29·88	46·6	53·0	30·3	53·5	0·6	1·1	·303	·371	96	92	S 3	S 3	10	10	·115	
18	30·07	30·03	50·0	52·2	47·9	53·5	1·0	0·8	·334	·369	93	95	SSW 1	S 2	10	10	—	
19	·07	30·17	55·4	46·2	46·0	57·5	0·5	0·2	·435	·308	97	99	SSW 1	SSW 1	10	9	·370	
20	30·10	29·97	55·0	51·0	45·9	56·4	1·0	1·1	·403	·346	93	92	S 3	SSW 4	10	10	·140	● showers *a*. Overcast all day.
21	29·82	·88	46·5	42·0	41·0	54·5	1·7	0·4	·277	·258	88	97	WNW 2	SW 2	10	9	·020	
22	·80	·44	47·0	53·6	40·9	53·6	3·0	0·7	·253	·392	79	95	SW 3	SW 3	10	10	·700	
23	·24	·06	54·6	45·8	45·7	56·5	0·8	1·2	·404	·281	95	92	WSW 2	W 3	10	10	·408	
24	·41	29·49	40·5	35·5	35·3	47·3	2·9	0·5	·195	·198	78	95	NW 2	WNW 1	2	5	·078	
25	29·64	30·00	37·0	34·8	33·9	43·5	1·0	2·0	·200	·162	91	81	NW 1	NE 1	10	2	·035	
26	30·10	30·04	33·4	28·7	28·2	37·2	0·6	1·0	·179	·129	93	83	ENE 0·5	ESE 1	9	2	—	
27	29·99	29·99	26·0	28·0	21·3	35·2	0·1	0·4	·138	·140	98	91	Calm 0	NNE 1	0	3	·010	⌓
28	30·03	30·01	29·4	28·3	24·7	38·4	1·8	0·6	·115	·137	71	89	NNE 1	N 1	5	10	—	⌓
29	29·98	29·85	30·0	33·8	23·7	39·5	1·0	0·8	·140	·178	83	91	N 0·5	S 4	4	10	·372	Thaw from noon.
30	29·70	29·72	42·5	49·7	33·0	50·3	0·8	0·6	·254	·340	94	96	S 5	SSW 4	10	10	·135	
Mean	29·571	29·557	43·4	42·1	36·9	49·5	1·6	1·0	·253	·253	87·1	91·1		1·9		1·9	7·4	7·6	6·536	

MARKREE CASTLE (SLIGO).—NOVEMBER 1890.

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	29·65	29·03	45·8	55·2	41·8	55·2	1·6	0·6	·272	·419	89	99	S 0·5	SSW 5	10	10	·660	● storms in evening.
2	28·99	·41	47·3	43·7	42·2	55·2	3·2	3·1	·252	·219	78	77	SW 1	NNW 3	8	10	·320	● showers.
3	29·25	·15	42·1	44·0	38·0	52·1	0·5	1·9	·257	·246	96	85	S 3	SSW 1	10	8	·240	
4	28·95	·36	44·7	45·2	38·9	49·2	0·6	1·1	·281	·275	95	92	Calm 0	NNW 3	10	10	·140	
5	29·73	29·70	45·0	37·5	37·0	48·1	5·4	0·9	·191	·207	64	92	NNW 2	Calm 0	7	10	·010	
6	·27	28·72	46·5	45·2	36·9	52·4	0·4	0·1	·306	·299	97	99	S 3	NW ?10	10	10	1·430	● during day. ⁄ (gale) from 8p.
7	·35	29·38	46·6	43·6	38·5	49·5	5·2	1·2	·208	·257	65	90	NW 6	NW 1	9	10	·190	⁄ a. < in evening.
8	·22	·20	45·0	31·9	31·4	48·7	0·8	0·7	·280	·164	94	91	Calm 0	SSW 0·5	10	3	·080	
9	·32	·44	34·0	39·8	26·0	45·2	0·2	1·4	·192	·217	98	89	Calm 0	NW 0·5	8	8	·200	⌊ ▲
10	·38	·04	41·1	38·8	37·5	47·2	2·1	0·8	·214	·220	83	94	S 0·5	SE 5	9	10	·380	
11	·04	·26	42·0	44·5	38·1	47·8	2·0	1·5	·225	·259	85	88	SW 1	NW 2	9	10	·320	
12	·34	·38	42·5	39·4	34·5	49·6	0·6	1·3	·259	·216	95	90	SSE 1	SSE 1	10	8	·280	
13	·59	·69	42·9	43·5	35·1	51·1	1·3	1·0	·248	·259	90	92	SSW 1	SE 0·5	4	10	·470	
14	29·32	29·73	47·2	46·5	42·5	56·1	0·5	4·1	·313	·227	97	73	SE 4	W 1	10	9	·290	Overcast all day.
15	30·06	30·03	40·8	37·9	32·4	50·9	1·2	0·8	·230	·211	91	93	Calm 0	SE 1	4	2	·010	⌊. Sunny day.
16	29·83	30·07	45·1	35·0	34·3	51·2	0·9	0·2	·279	·200	93	98	SSE 2	Calm 0	10	9	·080	≋ p.
17	29·98	29·93	45·2	52·7	31·4	52·9	0·2	0·5	·297	·384	99	96	SSE 2	SSE 2	10	10	·110	≋ before 9a.
18	30·11	30·06	50·6	54·2	47·3	54·7	0·4	0·9	·359	·394	97	94	SSE 0·5	S 3	10	10	·010	Overcast all day.
19	·12	·25	54·7	46·1	44·0	55·7	0·6	0·2	·411	·308	97	98	SSW 1	SSE 0·5	10	10	·300	≋ p.
20	30·16	30·02	54·0	52·2	44·6	54·6	0·4	0·7	·406	·372	97	96	S 2	SSW 3	10	10	·360	Overcast all day.
21	29·94	29·98	47·0	43·0	41·5	54·2	3·1	0·8	·251	·259	78	94	NNW 1	SW 1	10	8	·130	
22	·91	·58	48·4	54·7	42·4	54·7	2·3	1·3	·283	·391	84	92	WSW 2	W 4	10	10	·440	Overcast all day.
23	·37	·18	55·0	45·0	44·4	56·1	0·9	1·0	·406	·275	94	92	W 5	W 3	10	10	·180	
24	·55	29·63	44·5	41·4	37·2	46·2	5·1	2·0	·191	·220	64	85	NW 2	NW 4	9	10	·320	Gusty ⁄ ● in past n.
25	29·73	30·08	39·0	35·3	34·0	47·2	0·8	1·3	·229	·181	94	88	Calm 0	ESE 0·5	4	2	·030	
26	30·15	·11	31·8	26·7	25·4	35·7	0·4	0·3	·171	·135	95	94	Calm 0	Calm 0	9	7	—	✳0 a.
27	·05	·09	25·8	23·3	19·5	36·0	0·9	0·3	·109	·114	79	92	Calm 0	Calm 0	2	8	—	⌊
28	·13	30·10	18·7	23·0	16·3	37·1	0·1	0·2	·098	·115	97	94	ESE 0·5	Calm 0	5	9	—	⌊
29	30·03	29·87	29·6	36·2	21·4	36·3	1·3	2·0	·129	·177	80	83	SSE 0·5	SSE 4	6	10	·310	⌊
30	29·74	29·79	44·1	51·7	35·2	51·7	0·3	0·4	·282	·373	97	97	S 4	SSW 0·5	10	10	·060	
Mean	29·640	29·642	42·9	41·9	35·7	49·4	1·4	1·1	·254	·253	88·7	91·1	1·5	2·0	8·4	8·7	7·350	

DUBLIN (PHŒNIX PARK).—NOVEMBER 1890.

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	29·65	29·25	47·0	53·6	42·5	54·0	2·1	2·2	·273	·350	85	85	WSW 1	SSW 3	2	10	·510	Fine day. Squally ⁄ ● 2 from 9p.
2	28·99	·40	49·9	41·0	41·1	55·5	2·3	2·0	·301	·226	85	86	W 2	W 1	2	4	·020	Squally ⁄ ● 2 early a. Bright a.
3	29·35	·20	42·0	46·2	38·9	54·8	1·6	2·1	·233	·265	88	86	SSW 1	SW 1	7	1	·055	Dull, with ● 0 a. < p. [Cloudy p.
4	28·96	·27	44·3	43·7	40·8	48·3	1·4	1·3	·262	·256	89	89	SW 1	NW 1	8	2	·080	Cloudy, with ● 0 showers till 3p.
5	29·65	29·73	42·1	37·0	36·1	47·5	2·2	1·2	·222	·196	83	89	WNW 1	WSW 1	1	1	·020	Beautiful day.
6	·40	28·61	48·4	47·8	33·5	56·4	2·1	1·3	·288	·301	85	91	SSE 2	WSW 2	9	7	·550	Cloudy, with ● showers.
7	·28	29·47	43·7	41·1	39·2	48·5	3·4	1·8	·214	·220	75	85	W 2	Calm 0	2	1	·015	Beautiful day.
8	·23	·18	51·8	39·9	39·4	52·8	2·4	1·5	·323	·216	84	88	SSW 2	W 1	8	8	·175	● 0 showers a. Dull and cloudy.
9	·28	·37	36·6	38·3	30·1	45·4	1·5	1·4	·188	·203	87	88	Calm 0	W 1	1	2	·160	Bright a. Cloudy p.
10	·38	·16	36·4	42·2	34·5	45·9	0·9	2·3	·199	·221	93	83	WSW 1	SSE 1	10	10	·400	Cloudy a. Bright p. ● 2 8 p.–11p.
11	·08	·25	41·1	44·7	39·8	48·6	1·4	1·3	·228	·266	89	90	SW 2	WSW 2	8	8	·140	Cloudy till 11a. Bright p. ● 2 7p.
12	·48	·46	45·2	44·5	40·2	54·0	2·7	2·1	·241	·246	81	84	S 1	SW 1	8	8	·070	Dull and cloudy, with ● showers.
13	·63	·75	44·8	34·6	33·8	52·5	3·1	0·7	·230	·187	78	94	Calm 0	Calm 0	1	4	·040	Beautiful day. ≋ 0 p.
14	29·49	29·66	49·2	47·2	33·7	59·5	1·5	1·7	·313	·285	90	89	SE 2	W 1	9	5	·080	Cloudy, with ● 0 showers.
15	30·07	30·06	40·3	32·9	31·6	52·6	1·9	0·6	·212	·176	85	93	Calm 0	Calm 0	1	2	—	Beautiful day.
16	29·87	·08	48·4	37·8	31·9	55·4	1·0	0·7	·315	·212	93	94	Calm 0	Calm 0	4	1	·105	Cloudy day.
17	30·05	·00	35·7	54·6	30·3	57·8	0·6	2·1	·198	·367	95	87	Calm 0	S 2	4	8	·030	
18	·13	·15	52·8	52·3	47·1	55·5	0·8	0·9	·377	·368	94	94	Calm 0	Calm 0	8	1	·005	● 0 showers from 7p.
19	·17	·23	57·2	51·2	50·3	63·0	1·8	0·8	·415	·355	88	95	SSW 1	Calm 0	7	10	·100	● 0 showers till 7a. ≋ 9 a. Dull
20	30·22	30·13	55·0	50·0	48·4	58·6	0·9	2·2	·406	·304	94	85	SW 1	SW 2	4	4	·040	Cloudy day. ● 2 p. [and cloudy.
21	29·86	29·99	51·8	41·2	40·4	54·4	1·3	1·3	·351	·231	91	90	WNW 2	WSW 1	9	1	·020	Beautiful day.
22	·95	·59	46·3	53·8	40·1	54·3	1·4	0·8	·281	·391	90	94	WSW 2	W 3	5	10	·280	Dull and cloudy a.
23	·39	·16	54·6	50·6	50·1	57·0	1·1	1·0	·395	·343	93	93	W 3	W 2	10	8	·290	Cloudy day. ● 2 4p.–6p. [midt.
24	·47	·59	41·0	35·1	34·3	50·8	2·0	0·8	·215	·189	84	92	WNW 1	W 1	1	1	·010	Dull, cloudy and squally. ● 2 7p.–
25	29·68	29·99	35·4	40·7	34·1	43·7	0·9	3·8	·190	·181	92	71	WNW 1	NE 2	2	5	·030	Bright a. Cloudy p. ● 2 3p.
26	30·11	30·07	36·6	32·1	29·9	41·0	3·0	0·6	·163	·169	75	92	Calm 0	Calm 0	8	8	·370	Bright a. ● 2 showers p. ▲ 0 p.
27	·01	29·99	27·9	29·2	23·7	33·0	0·6	1·7	·135	·116	89	73	Calm 0	N 1	6	5	·150	Dull and cloudy, with ✳ showers.
28	·02	30·03	32·1	33·2	28·1	35·4	0·8	0·7	·164	·175	90	92	N 1	N 1	8	7	·060	Cloudy, with ✳ showers.
29	30·03	29·99	23·7	38·5	18·4	39·1	0·4	1·2	·113	·209	89	90	Calm 0	S 2	4	9	·075	Cloudy, with ✳ showers. (✳ 7 ins. [deep.)
30	29·86	29·85	42·1	49·6	37·5	50·2	1·6	1·8	·234	·310	88	88	SSW 5	SW 3	10	9	·210	● 0 a. Stormy day. ● 0 showers p.
Mean	29·657	29·654	43·4	42·9	36·7	50·9	1·6	1·5	·256	·251	87·4	88·3	1·2	1·2	5·6	5·3	3·990	

PARSONSTOWN (BIRR CASTLE).—NOVEMBER 1890.

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.		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.	[from 8p.
1	29·66	29·16	46·1	54·6	39·4	55·1	1·2	1·5	·284	·383	91	90	Calm 0	S 2	2	10	·730	Dull and close. ≋ 9 ● 2 (mist).
2	·04	·40	46·5	40·6	40·0	56·1	1·6	3·3	·279	·189	89	74	SW 1	W 1	5	3	·210	Bright and squally, with T ●.
3	29·26	·19	42·7	44·9	36·5	54·5	0·8	2·2	·257	·248	93	84	Calm 0	Calm 0	10	2	·212	Dull, with ●. < p.
4	28·94	·29	45·7	44·6	39·6	51·7	0·9	1·7	·286	·256	94	87	W 1	NW 1	8	6	·018	Day bright, with ● showers.
5	29·70	29·70	41·7	37·4	36·4	48·1	2·4	1·1	·215	·202	82	90	NW 2	Calm 0	8	7	—	Bright, with cold wind. ∞ in evening.
6	·32	28·72	49·7	46·7	35·4	55·6	1·8	1·8	·311	·277	87	87	SE 2	W 7	10	10	·662	≋ 9 (mist) a. Dull and squally, with ● 2
7	·35	29·43	43·6	43·0	39·8	49·3	3·7	0·9	·207	·257	73	93	NW 3	Calm 0	9	4	·140	Stormy n. Day fine and bright, but
8	·20	·17	49·6	34·7	34·1	50·4	1·5	0·9	·317	·484	90	92	Calm 0	Calm 0	10	0	·025	Dull, with ● 2. [cold. ∞ p.
9	·30	·40	36·5	38·1	30·4	44·7	0·6	1·3	·204	·203	95	88	Calm 0	NW 1	9	4	·022	⌊ n. ⌒ 9a. Dull, with ● ∞
10	·38	·02	36·9	42·1	32·1	46·3	1·1	1·2	·197	·242	90	90	Calm 0	SE 1	0	10	·808	⌊ n. Fine and bright. ≋ 9 (mist).
11	·11	·28	43·0	44·7	38·8	46·5	4·1	1·6	·195	·259	70	88	W 1	SW 1	9	3	·375	● 2 n. Bright a. Gloomy evening.
12	·39	·42	43·3	42·0	37·1	52·3	1·2	1·7	·254	·231	91	87	SE 2	Calm 0	10	0	·180	● 2 n. Dull and gloomy, with ●.
13	·59	·67	40·8	42·5	37·2	51·9	0·9	1·1	·235	·248	93	91	Calm 0	Calm 0	5	7	·469	Fine and bright. ∞ in evening. [● 2.
14	29·32	29·70	52·9	46·5	41·4	58·3	0·6	2·2	·384	·266	96	85	SE 3	NW 1	10	9	·150	Squally, with ● 2 n. Day dull, with
15	30·04	30·00	37·0	36·6	31·8	50·5	0·3	1·2	·214	·194	97	90	Calm 0	Calm 0	0	0	·020	⌊ n. ≋ 9 (mist) a. and 9p. Day fine
16	29·83	30·03	46·9	36·8	34·5	52·0	0·9	0·5	·299	·208	94	96	Calm 0	Calm 0	6	0	·016	Dull, with ● ≋ 9 (mist). [and bright.
17	29·97	29·94	48·8	53·7	35·0	55·1	0·9	1·6	·322	·367	93	89	SSE 1	Calm 0	10	9	·080	⌊ n. Day dull and gloomy. ∞
18	30·09	30·08	52·8	53·7	49·7	54·4	0·9	1·2	·374	·379	93	92	Calm 0	SE 1	9	0	·010	● n. Dull and changeable.
19	·14	·19	55·5	52·9	51·0	60·1	1·2	1·0	·406	·372	92	93	Calm 0	Calm 0	10	10	·162	Dull and damp. ∞
20	30·20	·07	54·7	50·8	50·0	59·3	1·6	1·6	·382	·330	90	88	SW 1	S 2	8	9	·060	Fine and bright. ≋ 9 (mist).
21	29·92	30·02	46·9	44·7	42·8	54·3	0·0	2·2	·322	·247	100	84	Calm 0	SW 1	10	4	·042	
22	·98	29·65	48·4	54·5	41·9	54·6	2·1	1·3	·288	·388	85	91	WSW 2	WSW 4	10	10	·100	Dull and gloomy, with ∞.
23	·46	·22	54·8	49·4	48·5	56·6	0·8	1·7	·406	·310	94	88	WSW 2	WSW 3	10	10	·201	≋ 9 (mist). Day dull and gloomy.
24	·53	·63	41·2	36·3	35·8	49·5	1·5	1·2	·227	·192	89	90	NW 1	NW 1	1	0	·020	≋ 9 (mist) n. Cold, with ● showers.
25	29·70	29·97	35·6	38·7	33·2	44·3	0·8	1·1	·193	·213	93	91	Calm 0	Calm 0	0	8	—	⌊ n. Fine and bright, but cold.
26	30·10	30·05	32·5	30·1	29·4	39·5	1·6	0·6	·150	·152	82	91	Calm 0	Calm 0	10	6	—	⌊ n. Dull, with ✳.
27	29·99	·00	30·5	24·0	22·8	32·2	0·7	0·7	·153	·105	90	81	Calm 0	Calm 0	10	0	—	✳0 ⌊ n. Dull and cold. ∞
28	30·05	30·03	23·0	25·5	19·6	35·7	0·1	0·6	·120	·118	97	86	Calm 0	Calm 0	0	0	—	⌊ 2 n. Fine and bright, but cold.
29	30·02	29·93	22·1	34·1	18·6	35·7	0·2	2·4	·112	·150	94	76	Calm 0	Calm 0	10	10	·404	⌊ 2 n. Dull, with ∞.
30	29·84	29·82	43·4	49·7	33·2	50·0	1·4	1·1	·251	·328	89	92	SW 2	Calm 0	10	10	·220	⌊ n. Dull and gloomy, with ●.
Mean	29·647	29·639	43·1	42·5	36·5	50·2	1·2	1·4	·261	·250	90·2	88·1	0·8	0·9	7·1	5·4	5·336	

STENNESS.—DECEMBER 1890.

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

1	29·48	29·55	52·3	51·4	49·0	54·8	1·7	1·4	·347	·343	88	90	SSW 4	S 1	10	10	·050	Overcast all day.
2	·61	29·66	48·6	41·0	40·0	52·8	0·4	2·0	·332	·215	97	84	W 1	N 6	10	5	—	≋ a.
3	29·80	30·02	36·4	35·0	34·0	41·8	1·4	1·0	·189	·184	88	90	NNE 7	NNE 5	2	1	—	
4	30·08	·04	38·2	38·5	34·0	40·8	4·0	2·5	·158	·186	68	80	NE 4	ENE 1	9	2	—	
5	·04	·04	39·8	40·0	36·0	41·8	4·8	3·0	·158	·189	64	76	SE 2	S 2	8	10	·070	[Inky clouds.
6	·12	·18	38·2	37·5	35·0	40·8	1·2	2·1	·206	·185	90	82	SSE 1	SSE 1	9	9	·050	Distant sounds heard more distinctly.
7	·15	30·10	38·4	38·1	34·0	40·8	0·7	1·0	·218	·209	94	91	SE 1	SSE 1	6	3	·120	≋ 0 (mist) before 9a.
8	·02	29·99	38·0	39·8	34·0	40·8	0·9	1·3	·210	·219	92	90	S 4	SE 2	4	10	·050	
9	·00	30·00	42·0	42·0	37·0	42·8	3·8	1·5	·193	·235	73	89	SSE 2	SE 4	10	8	·200	
10	30·03	29·96	37·5	41·3	34·0	43·8	2·3	1·3	·181	·232	81	90	S 3	S 5	2	9	—	
11	29·86	·87	43·0	42·5	40·0	43·0	2·0	1·4	·234	·242	84	89	S 7	S 4	6	10	—	Swell in Atlantic.
12	·93	·93	42·0	41·0	40·0	43·8	0·4	0·5	·258	·246	97	96	S 2	Calm 0	9	10	—	
13	·82	·70	40·5	36·1	35·0	41·8	1·0	1·3	·231	·188	92	88	S 3	SSE 4	7	1	—	≋ 0 (mist) a. Several meteors seen.
14	·66	·53	39·5	41·6	35·0	41·6	1·5	1·6	·213	·229	88	88	SSE 4	NW 7	10	10	·270	Unusually high tide. [Ψ.
15	·74	·86	37·8	42·0	35·0	44·8	1·6	2·1	·196	·223	87	84	NNE 2	SSW 4	1	8	—	
16	·86	·83	39·8	39·8	38·0	43·8	3·7	3·8	·176	·174	72	71	SW 4	S 5	10	9	—	
17	·86	·77	36·0	37·0	34·0	40·8	2·0	2·2	·175	·179	82	81	SSW 2	SSW 5	2	1	—	
18	·52	·27	37·0	38·0	36·0	38·8	4·0	4·0	·149	·157	68	68	S 8	S 9	7	5	·200	⁄ (gale). ✳
19	·20	·23	35·0	34·0	32·0	38·8	2·0	1·9	·150	·158	73	80	SE 7	S 5	9	4	—	✳ all day.
20	29·42	29·87	40·0	34·3	33·0	42·8	1·6	2·1	·215	·157	87	79	WNW 4	Calm 0	2	0	·060	Fine day. ~
21	30·07	30·08	37·3	37·0	33·0	39·8	1·3	1·8	·197	·186	89	85	W 1	SSE 1	5	0	—	
22	29·88	29·62	37·8	41·0	34·0	41·8	2·7	1·7	·177	·221	78	86	S 5	S 6	10	10	·090	∞ a.
23	29·50	29·85	41·6	42·3	40·0	45·8	1·6	2·8	·229	·213	88	80	S 6	W 3	7	9	—	
24	30·06	30·04	44·5	38·8	38·0	45·8	1·5	1·8	·259	·201	89	85	WSW 4	WSW 3	8	0	—	Very fine day. ~
25	29·84	·14	39·7	37·3	36·0	41·8	1·7	2·3	·210	·179	86	81	SSW 4	NNE 4	10	1	·200	Fine day. ~
26	30·44	·48	33·5	37·0	32·0	37·8	1·5	4·2	·162	·146	84	67	Calm 0	ESE 2	3	9	—	~
27	·40	·32	37·3	37·4	35·0	38·8	1·3	1·6	·197	·193	89	86	SE 3	SE 3	7	10	·250	
28	·32	·30	36·3	37·0	33·0	37·8	2·6	3·2	·167	·162	78	74	SE 3	SE 4	10	10	·170	▲ a.
29	·38	·50	36·0	36·0	35·0	38·8	2·0	2·7	·175	·163	82	76	SE 3	SE 3	10	2	—	
30	·59	·59	37·8	37·0	35·0	38·8	3·8	3·0	·159	·165	69	75	SE 3	ESE 2	10	8	—	
31	30·47	30·32	35·6	38·6	34·0	38·8	2·3	3·6	·166	·168	79	72	SE 2	SE 4	9	5	—	
Mean	29·940	29·956	39·3	39·0	35·8	42·2	2·1	2·2	·203	·198	83·1	82·4	3·4	3·4	7·2	6·1	1·780	

DUNROBIN CASTLE.—DECEMBER 1890.

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.		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	29·65	29·67	55·7	50·0	39·4	56·3	0·4	0·7	·432	·342	97	95	SW	S	—	—	·030	Fine and mild.
2	·74	29·80	49·7	42·6	42·5	50·0	1·7	2·1	·313	·229	88	85	N	SW	—	—	·080	Dull and mild.
3	29·93	30·15	36·5	36·2	35·7	46·0	0·7	2·4	·202	·170	94	79	N	N	—	—	—	Cold, with ✳ ● (sleet).
4	30·16	·10	38·6	43·6	35·5	45·3	2·8	1·3	·182	·255	78	89	N	SW	—	—	—	
5	·06	·16	39·9	41·9	38·9	45·5	2·8	3·2	·192	·204	78	77	N	NE	—	—	—	Fine and mild.
6	·21	·29	31·9	37·9	31·5	42·0	1·6	2·1	·144	·188	79	82	N	W	—	—	—	Clear *a.* ⌊ *p.*
7	·28	·19	31·5	40·6	31·0	40·6	0·2	1·1	·173	·230	98	91	N	NE	—	—	—	⌊ *a.* Clear *p.*
8	·14	·09	40·6	42·9	39·2	46·7	2·6	2·6	·201	·222	80	81	SW	SE	—	—	—	Cold and fresh.
9	·08	·11	42·9	36·9	36·7	46·3	1·6	3·8	·242	·152	87	70	SE	SE	—	—	—	Blowy.
10	·15	·08	30·3	37·6	28·7	38·0	0·8	2·1	·148	·186	88	82	N	NW	—	—	—	⌊ *a.* Dull *p.*
11	·00	·01	42·4	41·4	33·0	42·4	1·7	0·9	·235	·242	87	93	S	SW	—	—	—	Milder.
12	30·06	30·04	37·6	39·2	36·0	41·7	0·5	1·2	·215	·216	96	90	N	NW	—	—	—	Fine and mild.
13	29·94	29·85	36·3	36·8	35·0	43·3	0·5	2·3	·205	·176	96	81	N	NW	—	—	·170	Dull and cold.
14	·82	·76	35·8	39·9	34·7	43·7	1·3	1·4	·187	·218	89	89	W	NW	—	—	·060	Dull, with ● *a.* Fair *p.*
15	·84	·97	41·6	41·2	36·7	44·8	1·3	1·9	·236	·219	90	85	S	E	—	—	—	Clear and cold *a.* Fine *r.*
16	·97	·97	40·6	38·4	35·7	42·5	2·6	2·3	·201	·188	80	82	SE	SW	—	—	—	Cold, with fresh wind *a.* Clear *p.*
17	·97	·92	32·3	35·3	29·3	39·7	0·2	2·2	·180	·164	97	79	N	SW	—	—	—	Cold *p.*
18	·68	·43	35·5	35·5	26·0	37·3	2·4	2·4	·162	·162	78	78	S	SE	—	—	—	Cold and frosty.
19	·31	29·42	35·3	35·5	26·7	35·6	3·2	1·4	·148	·181	71	87	S	S	—	—	·060	Cold and frosty. Clear *p.*
20	29·67	30·08	30·6	36·5	32·5	40·7	1·6	1·4	·211	·189	87	88	NE	NW	—	—	—	Dull *a.* Frosty *p.*
21	30·25	30·23	31·5	30·5	29·0	38·7	1·4	1·4	·145	·136	81	79	NE	NE	—	—	—	⌊ *a.* and *p.*
22	30·02	29·78	35·5	41·4	28·3	41·3	1·2	1·7	·185	·226	89	88	W	SW	—	—	—	Milder *a.* Dull *p.*
23	29·64	30·00	43·6	36·3	35·5	44·7	1·3	1·2	·255	·192	89	90	S	W	—	—	—	Mild *a.* Dull *p.*
24	30·20	·18	35·1	36·8	32·3	42·3	1·6	3·3	·173	·160	84	73	N	N	—	—	—	⌊ *a.* and *p.*
25	·01	·22	37·1	38·6	30·5	40·3	1·6	2·5	·190	·187	86	80	NW	NE	—	—	—	Dull day.
26	·49	·55	36·5	39·4	34·5	39·4	1·4	2·9	·189	·186	88	78	E	NE	—	—	·290	⌊ *a.* ● showers *p.*
27	·47	·43	36·3	38·9	32·3	39·7	0·8	2·4	·200	·191	94	82	N	NE	—	—	—	Thaw.
28	·37	·42	35·5	38·6	35·5	39·3	0·4	2·5	·200	·187	96	80	E	NE	—	—	·020	Fresh wind with thaw.
29	·52	·62	36·1	39·4	34·5	39·4	2·0	1·1	·176	·220	82	91	SE	E	—	—	—	Cold *a.* Dull *p.*
30	·67	·65	39·6	39·2	35·7	39·7	1·3	1·9	·217	·203	89	84	SE	SE	—	—	—	Dull and cold.
31	30·49	30·37	40·6	39·6	39·2	40·6	2·3	1·6	·207	·211	82	87	SE	SE	—	—	—	Dull and cold.
Mean	30·058	30·081	38·1	39·0	33·9	42·4	1·5	2·0	·205	·201	87·0	83·7	—	—	—	—	0·710	

BRAEMAR.—DECEMBER 1890.

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	28·57	28·58	49·0	49·3	45·7	51·8	1·5	1·8	·310	·306	90	88	SW 4	SW 1	8	8	·030	
2	·56	·56	45·6	42·6	40·8	49·3	0·8	1·8	·288	·235	94	87	SW 0·5	SW 0·5	10	10	—	
3	·63	·84	34·5	32·0	31·2	42·6	1·6	2·1	·168	·135	84	74	NE 4	NE 1	10	4	·070	Dark, with ●.
4	·98	·87	34·2	35·0	30·7	35·8	1·5	0·3	·168	·198	84	97	NE 1	NE 0·5	8	9	·090	✳ showers.
5	·84	28·89	34·0	32·9	31·7	35·0	2·1	1·4	·154	·158	79	84	E 1	E 0·5	10	9	·020	Dull and damp.
6	28·99	29·04	32·7	34·0	29·3	36·2	1·0	0·3	·165	·190	88	97	E 0·5	NE 0·5	8	5	·010	Dull and damp.
7	29·02	28·95	27·9	35·7	26·8	36·0	0·2	3·7	·146	·144	96	68	E 0·5	E 0·5	8	7	·010	Dull and damp.
8	28·81	·85	30·7	34·9	30·7	37·7	1·2	1·5	·142	·173	82	85	SE 0·5	NE 1	8	8	·020	Dull and damp.
9	·83	·90	36·0	38·4	27·2	37·0	1·3	1·9	·188	·104	88	67	NE 0·5	SE 0·5	9	2	·020	Dull and damp.
10	·98	·89	18·7	37·6	18·4	37·7	0·0	1·9	·102	·190	100	84	SE 0·5	SW 2	6	8	—	
11	·81	·85	36·6	37·1	35·2	38·0	0·9	0·6	·199	·209	92	95	SW 0·5	SW 0·5	8	0	—	
12	·90	·84	33·7	30·7	27·2	37·1	0·8	2·0	·178	·125	91	72	SW 0·5	SW 0·5	5	10	—	≋⁰ (mist) *9a.* ≋ *9p.*
13	·79	·68	25·9	29·3	24·0	36·2	0·4	1·8	·127	·114	91	71	S 0·5	SW 0·5	10	2	—	≋ *a.* Clear *p.*
14	·69	·57	33·7	38·4	26·2	38·8	1·3	0·9	·167	·214	86	93	SW 1	SW 0·5	6	8	·080	
15	·58	·73	37·8	36·0	35·3	39·0	0·9	1·3	·210	·188	93	88	NE 4	E 0·5	7	9	·020	● *p.*
16	·74	·66	33·9	34·9	32·2	38·2	2·2	3·4	·151	·140	78	69	SE 1	S 0·5	8	8	—	
17	·77	·74	32·7	33·7	31·4	34·9	2·0	2·0	·144	·153	77	79	SE 0·5	SW 0·5	8	7	—	
18	·55	·30	29·2	27·9	25·8	33·8	0·5	0·4	·147	·140	92	92	SW 1	SE 0·5	6	8	—	Fair, but cold.
19	·10	·28	27·7	27·6	25·4	35·2	0·5	0·9	·126	·124	90	82	S 0·5	SW 0·5	7	10	—	Fair, but cold.
20	28·49	28·80	31·7	26·7	26·0	36·0	1·0	0·5	·156	·128	87	90	SW 0·5	SW 0·5	7	1	—	Fair, but cold.
21	29·05	29·07	15·7	24·7	15·7	29·0	0·0	0·5	·089	·116	100	87	SW 0·5	SW 0·5	0	7	—	Clear and frosty.
22	28·89	28·64	32·7	33·7	23·2	34·2	1·0	1·0	·165	·173	88	89	SW 2	SW 2	8	8	—	
23	28·53	28·84	35·7	33·4	32·7	41·3	1·0	2·9	·192	·134	91	70	SW 4	NW 0·5	9	5	—	
24	29·07	29·00	31·7	27·1	24·7	35·1	0·5	1·1	·167	·112	94	77	NW 0·5	NW 0·5	2	4	—	Fair and clear.
25	28·85	·00	35·9	34·7	24·7	37·2	1·2	1·0	·190	·182	90	91	SW 1	N 2	8	1	—	
26	29·27	·29	32·9	32·7	30·2	35·2	0·7	1·0	·173	·165	92	88	NE 1	SE 1	4	7	·010	
27	·24	·17	31·0	32·7	29·8	33·2	0·3	1·0	·166	·165	95	88	E 0·5	E 0·5	9	8	·020	✳ showers all day.
28	·14	·11	30·7	30·7	29·9	32·7	0·5	1·5	·158	·135	92	78	E 0·5	NE 0·5	9	10	·020	Dull, with ✳.
29	·20	·29	28·7	31·7	27·8	36·8	0·5	1·0	·143	·156	91	87	NE 0·5	NE 0·5	10	8	·010	Dull, with ✳.
30	·39	·36	31·7	31·7	30·3	32·0	1·0	0·8	·156	·160	87	90	NE 0·5	SE 1	10	10	—	Dull, with ✳.
31	29·24	29·12	31·7	33·7	30·7	35·3	0·5	1·0	·168	·173	94	89	NE 0·5	NE 2	8	4	—	Dull day.
Mean	28·854	28·862	32·4	33·3	29·1	37·0	0·9	1·4	·168	·163	89·5	83·7	1·1		0·8	7·5	6·6	0·430

LAUDALE.—DECEMBER 1890.

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.		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	29·75	29·71	53·7	52·5	50·6	57·6	1·7	0·8	·364	·373	88	94	W 2	W 4	10	10	·320	●² showers all day.
2	·74	29·78	49·0	46·2	44·9	57·3	0·2	3·0	·343	·246	99	79	Calm 0	NW 3	10	7	·020	Mild and damp. ≋⁰ (mist).
3	29·88	30·10	37·0	37·9	35·0	46·7	1·0	3·4	·200	·167	91	73	N 2	NE 4	3	1	·020	
4	30·12	·09	39·0	40·7	34·0	40·9	3·3	6·1	·176	·145	75	58	NE 3	Calm 0	8	1	—	Clear all day.
5	·00	·07	41·0	41·0	34·5	42·1	3·9	3·7	·182	·185	71	72	SSE 1	ESE 4	8	10	—	
6	·18	·24	27·0	36·0	25·0	42·4	1·0	1·7	·114	·180	79	85	Calm 0	Calm 0	0	2	—	Clear and frosty all day.
7	·21	·15	36·3	40·4	31·8	40·6	1·8	4·7	·181	·164	85	65	Calm 0	Calm 0	8	10	—	Dull day.
8	·10	·00	37·9	37·0	33·0	41·6	4·1	1·7	·156	·187	69	85	SE 1	SW 1	10	10	·020	Cloudy all day.
9	·07	·05	36·9	36·7	34·4	42·3	1·8	3·5	·185	·155	85	72	SW 3	NE 1	10	3	·060	✳ ● (sleet) *a.*
10	30·10	30·06	39·0	41·0	35·0	41·2	3·6	4·0	·171	·180	73	70	SSE 4	SE 3	5	6	—	∞ *p.*
11	29·97	29·96	42·0	43·0	36·0	46·0	4·8	2·3	·177	·228	67	82	SSE 3	S 3	10	10	—	∞ all day.
12	30·06	30·06	43·0	42·0	40·0	45·9	2·6	1·7	·223	·231	80	87	SW 1	SSW 1	8	10	—	Mild day. ∞
13	29·91	29·86	38·4	37·6	31·0	43·1	2·3	2·6	·188	·177	82	78	S 5	S 6	7	10	—	∞ all day.
14	·85	·86	40·1	44·0	36·9	46·3	2·0	3·7	·208	·211	84	73	S 3	Calm 0	10	10	·100	∞ *a.* ●⁰ at night.
15	·91	·88	42·0	43·9	39·1	45·8	1·9	4·5	·227	·196	86	69	NE 1	NE 4	4	2	·040	● showers *a.*
16	·90	·91	42·9	33·0	30·2	44·9	6·8	2·3	·155	·141	56	75	Calm 0	E 2	5	2	—	Dry and cold.
17	·95	·86	37·4	39·7	31·9	40·0	2·8	7·0	·172	·127	77	52	SE 3	E 4	7	3	—	Dry and cold.
18	·62	·34	35·2	33·0	27·9	39·7	2·0	4·0	·167	·111	81	60	SE 8	SSE 9	10	10	·060	⁄ *n.* and day. Very cold.
19	·25	29·43	30·1	35·3	28·3	35·4	0·5	1·6	·153	·176	92	85	SE 4	SSE 3	10	10	·100	Squally ⁄ ✳. (✳ 4½ ins. deep *p.*)
20	29·72	30·04	35·3	36·1	33·5	38·7	0·6	0·6	·195	·202	95	95	Calm 0	Calm 0	4	10	·090	✳ and ✳ ● (sleet) *a.*
21	30·24	30·22	36·2	39·4	30·9	39·7	1·0	1·9	·195	·205	91	85	SSW 1	S 4	6	10	·010	Squally *p.*, with thaw. ✳.
22	29·99	29·76	40·9	41·7	36·9	43·0	1·2	3·0	·231	·205	91	78	S 7	S 6	10	10	·160	⁄ (gale) *n.* and all day.
23	29·85	30·10	46·5	37·0	36·5	48·0	2·3	0·3	·263	·214	83	97	NW 2	WNW 2	8	7	·060	●⁰ showers.
24	30·28	·21	36·8	42·0	33·5	42·7	0·8	1·5	·202	·235	93	89	ESE 1	SSE 1	1	3	·050	Fine and clear.
25	·04	·27	41·5	40·2	37·5	43·0	1·5	2·7	·230	·196	88	79	SSW 3	Calm 0	10	1	·030	
26	·52	·51	30·7	34·3	28·9	40·7	1·1	2·6	·144	·148	83	75	Calm 0	Calm 0	0	0	—	Hard frost all day.
27	·42	·34	38·0	38·7	28·9	39·1	3·4	2·8	·167	·181	72	78	E 1	SE 1	1	5	—	Hard frost all day.
28	·35	·30	37·0	38·5	34·0	40·0	2·2	3·3	·179	·171	81	74	Calm 0	NE 1	3	8	—	
29	·42	·47	29·7	36·3	28·9	39·2	0·7	2·3	·146	·172	88	80	Calm 0	SE 1	0	10	·010	✳⁰ *5p.* Dull at night.
30	·57	·56	38·0	37·7	33·0	38·3	1·3	1·7	·203	·193	89	85	E 5	E 4	1	2	—	Clear and very cold. ⁄
31	30·35	30·24	38·0	39·0	34·3	39·7	1·0	3·0	·208	·181	91	77	E 5	E 4	1	1	—	Clear and very cold. ⁄
Mean	30·042	30·046	38·6	39·4	34·1	43·0	2·1	2·8	·197	·190	82·7	77·6	2·2	2·5	6·1	6·3	1·150	

DUNDEE.—DECEMBER 1890.

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	29·67	29·61	50·4	48·5	45·3	51·3	1·4	0·5	·330	·330	90	97	SW 1	SW 1	10	10	·130	Dull day.
2	·60	·56	47·5	43·5	42·9	50·1	0·5	0·5	·316	·271	96	96	NW 1	NE 1	10	10	·870	● *n.*, and during day. ≋
3	·61	·87	39·8	35·2	34·7	44·5	3·1	2·3	·187	·161	76	79	NE 10	NE 8	10	5	—	⁄ (gale) at times.
4	·91	·89	37·7	40·3	34·0	41·2	2·7	2·0	·176	·210	77	84	NE 6	NE 2	10	10	·060	Dull day. ●⁰ showers *6p.—9p.*
5	29·90	29·95	40·7	38·5	38·5	40·7	4·7	2·8	·166	·180	65	78	SE 4	SE 1	10	10	—	Dull day.
6	30·04	30·10	38·3	36·5	35·2	39·8	2·0	0·9	·192	·198	83	92	E 1	E 1	10	10	·120	● showers from *9a.*
7	30·08	30·03	35·7	37·5	33·4	38·3	0·5	0·9	·200	·207	96	92	E 1	E 2	10	10	·090	● showers *n.* and during day.
8	29·97	29·89	36·4	40·0	34·2	40·7	1·5	2·9	·187	·191	87	77	NE 1	SE 2	10	10	·020	● showers *n.* and during day.
9	29·87	·98	38·5	30·1	28·7	41·6	0·9	0·6	·215	·151	92	91	S 1	NW 1	10	10	·060	∞ . ◑ *9a.*—noon.
10	30·04	·99	31·0	33·3	29·0	34·2	0·5	1·5	·161	·160	92	84	NW 1	SW 1	10	10	—	Dull, with ≋.
11	29·91	·89	35·5	35·9	32·9	39·2	0·4	0·4	·200	·204	96	97	N 1	N 1	10	10	—	≋
12	·95	·64	33·5	35·0	32·7	37·7	0·8	0·8	·175	·188	91	92	NE 1	NW 1	10	10	—	≋
13	·83	·79	32·1	27·7	27·0	36·0	0·6	0·9	·169	·124	92	82	N 1	NW 1	10	10	—	Dull day. ∞
14	·80	·63	31·1	38·6	23·6	38·7	0·7	1·5	·157	·205	89	88	SW 1	W 2	10	10	·020	●⁰ showers *2p.—3p.*
15	·57	·77	39·5	38·8	34·0	42·0	1·5	1·7	·212	·203	88	86	NE 2	NE 4	7	10	·070	● showers *9a.—4p.* ⁄
16	·80	·82	38·1	37·8	37·1	39·4	3·4	3·1	·167	·171	72	75	SE 2	SE 2	10	10	—	Dull day.
17	·86	·82	35·1	36·0	34·4	38·6	0·9	1·5	·187	·184	91	87	NE 1	SE 1	10	10	—	Dull day.
18	·62	·33	33·6	30·0	29·1	37·1	2·4	2·6	·146	·104	76	62	S 2	SE 2	10	10	—	Dull day.
19	·16	·34	28·1	26·5	25·2	30·2	0·8	0·0	·129	·144	85	100	N 1	NE 1	10	10	—	
20	29·59	29·86	31·5	29·7	26·1	34·9	1·8	0·0	·136	·165	76	100	W 1	NW 1	10	5	—	
21	30·11	30·15	24·6	27·7	23·9	31·9	0·2	0·9	·125	·124	95	82	W 1	W 1	0	0	—	⌊
22	30·03	29·77	26·5	32·6	22·9	33·1	0·5	1·1	·127	·162	90	87	W 1	SE 1	7	10	·140	⌊. Dull day.
23	29·63	29·90	34·5	33·8	31·8	38·5	1·0	0·8	·180	·178	90	91	S 1	NW 1	10	10	—	✳ ● (sleet) in past *n.* ≋
24	30·13	30·11	33·5	26·7	25·0	35·5	1·5	0·2	·161	·139	84	96	W 1	W 1	7	0	—	⌊ ≋
25	29·95	·05	33·4	37·2	25·3	38·0	1·4	3·1	·163	·165	85	75	SE 1	NW 1	10	10	·090	≋ ● showers *11a.—5p.*
26	30·31	·34	34·5	34·5	32·7	38·3	2·5	1·1	·152	·178	75	88	NE 2	NE 2	0	0	·160	●⁰ showers from *6a.*
27	·31	·22	34·3	35·2	32·9	37·0	0·6	0·7	·186	·192	94	93	NE 1	SE 4	10	10	·230	✳ ● (sleet) *n.* and during day.
28	·19	·17	36·2	33·5	32·4	36·6	2·7	0·8	·165	·175	77	91	SE 2	SE 1	10	10	·200	✳ ● (sleet) ● *n.* and during day.
29	·27	·33	33·5	37·3	31·8	37·3	0·7	2·8	·177	·172	92	77	NE 1	NE 2	10	10	·010	✳ showers *n.* and till *10p.*
30	·46	·43	36·5	35·6	34·9	37·3	3·0	3·1	·162	·152	75	72	E 4	SE 4	10	10	—	Dull, with ◬⁰ showers.
31	30·29	30·19	36·8	38·0	34·8	38·0	3·9	1·6	·150	·197	69	86	E 6	SE 6	10	10	—	Dull day. ⁄
Mean	29·918	29·927	35·4	35·2	31·8	38·6	1·6	1·4	·179	·180	85·0	86·4	2·0	1·9	9·1	8·7	2·270	

GLASGOW.—DECEMBER 1890.

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	29·65	29·59	51·7	49·9	47·2	51·9	2·2	0·9	·127	·335	85	94	S	1	S	1	10	10	·130	Dull and overcast. ●0.
2	·56	·53	48·4	46·1	45·0	50·4	0·0	0·5	·340	·301	100	97	S	1	E	1	10	10	·800	Gloomy and overcast, with ●2.
3	·63	·85	39·4	37·6	37·4	46·5	3·5	3·2	·176	·167	74	75	NE	1	NE	1	8	3	—	
4	·87	·83	38·5	38·3	35·6	41·0	3·5	0·9	·169	·214	72	93	NE	1	E	1	6	7	·025	Dull and cold. ●0 in evening.
5	·80	29·89	39·4	39·3	37·2	40·4	3·0	2·2	·184	·197	77	82	E	2	NE	1	8	10	—	Overcast and threatening.
6	29·98	30·05	38·0	36·9	36·4	41·1	2·6	1·4	·180	·193	78	88	E	1	E	1	10	0	—	Dull *a.* and afternoon. Clear in evening.
7	30·04	29·98	36·5	38·7	33·9	39·7	1·0	2·4	·196	·188	92	81	E	1	E	1	10	10	—	Dull and overcast.
8	29·91	·80	36·0	39·6	33·8	40·0	2·6	3·3	·163	·181	77	75	E	1	E	1	9	10	·046	Dull and overcast.
9	29·83	·92	33·9	32·4	32·0	40·1	2·5	2·3	·146	·136	75	74	SE	1	E	1	0	10	—	≋0 (mist) 9*a*. Dull and cold.
10	30·00	·92	33·4	38·4	31·6	38·4	1·5	1·8	·160	·197	84	85	NE	1	E	1	10	10	·016	Dull and overcast.
11	29·85	·85	38·0	37·9	36·0	40·0	1·2	0·7	·204	·214	89	94	E	1	NE	1	10	8	—	Dull, with ≋0 (mist).
12	·92	·91	36·4	34·8	34·2	39·4	0·3	0·4	·209	·194	97	96	E	1	S	1	10	10	—	Overcast, with ≋0.
13	·80	·76	29·6	28·1	27·7	35·4	0·5	0·9	·151	·127	92	83	S	1	NE	1	10	6	—	Overcast, with ≋2.
14	·80	·64	32·1	40·4	27·5	41·3	1·1	0·2	·156	·247	86	98	E	1	W	1	10	0	·030	Dull and overcast. ●0 in evening.
15	·56	·70	38·4	38·9	34·8	43·5	1·7	1·6	·199	·205	86	87	NW	1	NE	2	5	9	·014	Cloudy and squally. ●0.
16	·74	·77	36·0	36·9	34·8	39·5	2·3	3·7	·169	·152	80	70	NE	1	E	1	9	9	—	Dull and cloudy.
17	·80	·77	37·5	35·1	34·9	38·2	2·7	2·3	·174	·161	78	78	SE	1	SE	1	9	0	—	Dull and cloudy.
18	·55	·23	32·4	29·5	28·8	35·4	0·8	2·5	·166	·101	90	63	S	1	SE	1	9	10	—	Overcast and threatening.
19	·09	·32	30·1	30·4	26·8	30·4	2·4	0·9	·109	·146	65	86	NE	1	E	1	10	10	·110	Overcast, with ×0. [ing.
20	29·58	29·89	32·0	33·0	28·8	40·9	1·9	0·6	·139	·175	76	93	Calm	0	W	1	10	10	—	×0 *a*. Gloomy, overcast, and threaten-
21	30·10	30·12	26·8	28·0	23·9	34·2	0·2	0·5	·140	·138	96	89	S	1	NE	1	10	10	—	⌊, ≋2 *a* and *p*. Overcast evening. ⋃
22	29·97	29·69	33·6	36·6	24·2	36·8	1·5	1·2	·162	·193	85	90	S	1	SE	1	10	10	·120	●0 *a*. Dull and overcast.
23	29·60	29·90	38·8	36·0	34·8	43·8	0·8	0·4	·220	·204	94	96	SW	1	W	1	10	2	—	
24	30·11	30·08	29·8	30·6	26·2	42·3	0·2	0·1	·162	·170	97	100	SE	1	NE	1	10	10	·047	≋2 ⌊
25	29·92	·05	35·6	38·8	30·3	40·1	0·3	4·2	·203	·160	97	68	NE	1	NE	1	10	0	·054	Overcast, with ●0 ≋ *a*. Clear *p*.
26	30·28	·29	34·7	36·0	33·4	39·7	2·7	3·8	·151	·144	74	68	NE	1	SE	1	0	9	·005	
27	·21	·14	34·6	34·9	34·0	36·4	0·7	1·0	·186	·183	93	90	E	1	NE	1	10	9	—	Dull and cloudy.
28	·10	·10	35·0	34·5	33·8	35·9	1·0	1·1	·184	·178	90	89	E	1	NE	2	8	10	—	Gloomy and overcast.
29	·23	·24	30·6	34·3	29·7	35·3	0·2	2·0	·168	·159	98	80	W	1	NE	1	10	5	—	≋0 *a*. Cloudy *p*.
30	·36	·32	36·2	35·7	33·0	36·3	2·4	2·9	·169	·156	79	74	E	1	E	1	10	10	—	Dull and overcast.
31	30·14	30·04	36·4	37·2	35·3	37·4	3·2	2·8	·156	·170	73	77	NE	3	NE	2	10	9	—	Overcast and squally.
Mean	29·870	29·876	35·8	36·3	33·0	39·7	1·6	1·7	·181	·183	84·8	84·3		1·1		1·1	8·7	7·6	1·397	

WOLFELEE.—DECEMBER 1890.

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	29·24	29·18	49·0	47·0	33·0	49·2	1·4	0·9	·312	·301	90	94	SW	SW	—	—	·050	Fresh and blowy *a*. Fine and mild *p*.
2	·13	·05	45·5	43·0	42·4	50·5	0·4	1·4	·295	·247	97	89	S	SW	—	—	·500	Dull, with ●0.
3	·11	·32	38·0	38·0	35·0	48·0	1·3	2·2	·203	·187	89	81	N	N	—	—	·150	● *a*. Dull, cold, and blowy *p*.
4	·34	·34	38·0	37·0	33·0	41·0	1·7	2·2	·195	·179	85	81	NE	NE	—	—	·040	Blowy and cold *p*.
5	·34	·42	37·5	37·0	34·0	41·5	1·2	1·9	·201	·184	90	84	ENE	E	—	—	·060	Dull, with ●.
6	·50	·57	36·0	38·0	27·5	38·8	2·2	0·2	·172	·146	80	95	NE	NE	—	—	—	Fine *a*. Clear and frosty *p*.
7	·57	·52	32·5	34·0	26·0	39·0	0·2	0·7	·181	·182	98	92	SE	E	—	—	—	Dull and cloudy.
8	·45	·34	33·0	37·5	29·5	37·5	0·7	1·7	·173	·191	92	85	SW	SW	—	—	·010	× *a*. Dull day.
9	·39	·48	32·5	24·0	24·0	38·0	0·7	1·2	·170	·088	91	69	SW	W	—	—	—	Dull *a*. Clear and frosty *p*.
10	·53	·51	31·0	33·0	21·0	34·0	0·7	0·7	·156	·173	89	92	SE	SW	—	—	—	Dull, with ×0 showers *a*. Fine *p*.
11	·43	·46	32·5	29·0	28·0	36·0	0·7	0·7	·170	·139	91	88	SW	SW	—	—	—	Fine and clear.
12	·57	·55	32·5	18·5	16·0	36·0	0·7	1·2	·170	·064	91	65	E	NW	—	—	—	Clear and frosty.
13	·35	·31	17·8	19·0	12·0	25·0	0·0	1·2	·097	·065	100	63	SW	SW	—	—	—	Clear and frosty.
14	·38	·22	15·0	33·0	12·0	35·0	0·7	0·7	·065	·173	75	92	NW	NW	—	—	—	Clear and frosty *a*. Dull and blowy *p*.
15	·07	·23	16·3	33·0	12·5	37·0	0·0	0·7	·091	·173	100	92	NW	NW	—	—	·150	Dull and cold *a*. ● *p*.
16	·29	·31	31·5	33·0	29·5	37·5	0·7	0·7	·160	·173	90	92	W	W	—	—	—	Fine and clear *a*. Dull *p*.
17	·35	29·35	31·5	32·5	28·5	36·0	0·7	0·7	·160	·170	90	91	ESE	S	—	—	—	Dull day.
18	29·16	28·84	27·0	25·0	25·0	35·0	0·7	0·2	·123	·127	85	94	SSW	S	—	—	—	Fine and clear *a*. Dull and cold *p*.
19	28·66	28·88	27·0	22·0	22·0	29·0	0·2	0·2	·140	·110	95	94	S	SW	—	—	—	Dull and cold.
20	29·13	29·41	25·3	25·3	20·0	30·0	0·0	0·0	·137	·137	100	100	SW	SW	—	—	—	Fine, clear, and frosty.
21	·63	·63	19·5	22·0	17·0	31·0	0·7	0·2	·081	·110	78	94	W	W	—	—	—	Fine, clear, and frosty.
22	·56	·33	23·0	30·0	18·0	32·0	0·7	0·2	·098	·161	80	97	NW	W	—	—	—	Clear and frosty *a*. Dull and cloudy *p*.
23	·20	·45	33·5	33·8	24·0	34·0	0·2	0·0	·188	·194	97	100	WSW	W	—	—	—	Dull day. Cloudy *p*.
24	·65	·63	31·8	34·5	29·0	37·0	0·0	0·7	·180	·186	100	93	W	W	—	—	—	Fine *a*. Cloudy *p*.
25	·51	·55	35·0	35·5	27·0	38·0	0·7	0·7	·190	·195	93	94	W	SW	—	—	—	Dull, with ≋0 (mist) *a*.
26	·73	·77	34·8	32·0	29·5	36·5	1·5	0·2	·172	·177	85	97	NE	NE	—	—	·120	Dull *a*. × *p*.
27	·75	·67	33·0	33·0	30·0	36·0	0·7	1·2	·173	·163	92	86	SE	SE	—	—	·450	× *a*. Dull day.
28	·63	·63	33·0	31·0	29·5	36·0	0·7	0·7	·173	·156	92	89	NE	NE	—	—	·020	Dull *a*. × showers. Fine *p*.
29	·73	·77	30·5	32·0	27·0	35·0	0·2	1·2	·165	·153	97	84	SE	E	—	—	—	Dull *a*. Fine *p*.
30	·87	·81	34·0	33·0	27·0	34·0	2·7	0·7	·144	·173	74	92	NE	E	—	—	—	Dull day. Blowy *p*.
31	29·69	29·59	33·0	34·0	30·0	34·5	0·7	1·2	·173	·172	92	87	E	E	—	—	—	Dull and cold *a*. Cold and blowy *p*.
Mean	29·416	29·422	31·3	31·6	25·8	36·7	0·8	0·9	·165	·163	90·3	88·6	—		—		1·550	

SCARBOROUGH.—DECEMBER 1890.

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	29·85	29·74	37·6	37·1	35·3	39·9	0·6	0·3	·214	·215	95	97	SW	3	SW	2	10	10	—	Dull and damp.
2	·65	·56	33·2	36·9	31·5	37·6	0·2	0·4	·185	·212	98	97	SW	1	SW	1	10	10	·030	Bright early *a*., then dull and damp.
3	·54	·63	34·8	44·5	34·3	44·5	0·3	2·4	·196	·240	97	82	SW	1	N	2	10	8	·030	Very dark and dull.
4	·71	·73	43·4	42·3	41·7	44·8	1·1	1·6	·257	·236	91	88	NE	5	NE	6	10	10	·200	Stormy, with ●.
5	·77	29·87	41·1	40·9	39·8	42·3	2·8	2·3	·240	·191	93	76	E	4	E	3	10	0	·040	Stormy, with ●. Fine at night.
6	29·94	30·02	40·7	39·5	38·5	41·8	2·6	2·7	·202	·190	80	79	E	4	E	3	8	0	·050	Brilliant day.
7	30·06	30·04	37·8	38·1	36·0	41·7	1·5	3·5	·197	·166	88	71	SE	2	E	2	9	10	—	
8	29·90	29·83	40·7	39·2	37·0	41·1	3·4	2·4	·188	·193	74	81	E	3	NE	2	5	10	—	
9	29·89	29·99	36·7	38·2	35·0	39·3	0·8	0·4	·201	·222	93	97	S	2	SW	1	10	10	—	
10	30·04	30·06	38·7	37·7	37·3	39·3	0·6	1·8	·223	·191	95	84	S	2	E	1	10	10	—	
11	·01	29·98	31·6	33·9	30·8	37·7	0·7	0·8	·161	·179	91	92	S	1	S	1	7	10	—	Dull and very cold.
12	30·00	30·00	35·8	33·3	32·9	36·0	1·8	1·2	·176	·166	84	87	SE	1	S	1	10	10	—	Dull and very cold.
13	29·93	29·86	30·1	29·6	29·6	33·7	0·4	0·4	·156	·152	94	93	S	1	S	1	0	0	—	Brilliant day.
14	·90	·76	28·2	24·9	24·9	31·4	0·8	0·0	·130	·134	84	100	S	1	S	1	1	0	·070	Brilliant, with ⌊ all day.
15	·53	·68	36·4	36·7	23·3	38·5	0·6	2·2	·203	·176	95	82	NW	1	SE	3	9	10	·070	● early *a*. Day very dark.
16	·75	·25	37·7	37·0	33·7	37·7	2·6	3·1	·178	·163	78	74	E	2	E	3	9	10	—	Cold wind.
17	·80	·84	37·5	35·8	35·6	38·2	2·0	3·0	·186	·154	83	73	E	3	E	3	10	10	·010	× showers.
18	·69	·39	30·8	24·8	24·8	36·3	1·0	—	·147	—	86	—	S	1	S	1	10	0	—	Dull *a*., then brilliant.
19	·18	·38	26·8	33·4	24·5	33·5	—	0·0	—	·191	—	100	S	1	SE	1	9	10	—	Very cold, with ×0 showers.
20	29·65	29·91	28·3	25·9	23·6	33·4	—	—	—	—	—	—	W	1	SW	1	6	0	—	Brilliant day.
21	30·14	30·20	24·8	31·1	22·5	32·3	—	—	—	—	—	—	SW	1	SW	1	0	0	—	Brilliant day.
22	30·16	29·97	25·8	28·4	24·5	31·1	—	—	—	—	—	—	SW	1	S	1	0	2	—	Brilliant day.
23	29·82	29·94	31·1	29·9	26·6	31·2	—	—	—	—	—	—	S	2	S	1	10	10	·060	Dull, with ×0 showers.
24	30·14	30·17	34·3	32·0	29·6	34·8	0·0	0·0	·198	—	100	—	SW	1	S	1	9	10	·010	Dull, with thaw. ≋.
25	·05	·00	29·3	32·6	29·3	32·7	0·0	0·0	·162	·185	100	100	SW	2	W	1	10	10	·070	Dull, with ×. ≋. ×. ● at night.
26	·14	·15	38·4	38·0	31·6	39·2	0·7	1·3	·218	·203	94	89	NE	1	E	3	10	4	·080	× *a*. Day dull, with thaw. Bright at
27	·24	·13	35·9	37·5	34·5	38·7	0·8	1·2	·195	·200	93	90	NE	1	NE	4	10	10	·250	night.
28	·10	·11	36·3	32·3	32·3	37·5	1·5	1·4	·185	·152	87	85	E	2	E	1	10	10	·020	Dull, with cold ● showers.
29	·18	·20	34·2	36·4	32·1	36·9	2·7	2·8	·146	·163	74	77	NE	3	E	4	8	1	—	Dull, with ×. ● showers.
30	·30	·22	32·6	34·8	32·0	36·8	1·8	0·0	·147	·202	79	100	E	7	E	7	9	8	—	Fine, clear, and dry, with cold wind.
31	30·16	30·08	32·4	36·0	31·5	36·1	2·0	1·6	·141	·181	76	86	E	4	E	3	9	3	—	Fine, but bitterly cold. ⁄ (gale).
Mean	29·910	29·909	34·3	34·8	31·5	37·3	—	—	—	—	—	—		2·1		2·1	8·0	6·6	0·990	Fine day.

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—DECEMBER 1890.

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	29·69	50·8	50·0	46·0	51·2	0·1	0·0	·369	·361	99	100	SW	2	Calm	0	8	10	·310	Overcast. ≋0 (mist) *p*.
2	·62	·57	44·8	41·8	41·0	50·0	0·4	0·3	·287	·258	97	98	ESE	2	S	1	10	10	·515	Overcast, with ≋ ●.
3	·59	·77	40·4	43·7	39·2	44·0	1·2	3·5	·226	·212	91	74	NNE	5–6	NE	6	10	8	·019	Overcast, with squally ⁄ ●.
4	·83	·76	41·2	43·0	36·5	43·7	2·8	2·3	·203	·228	79	82	NE	4	NE	2	2	6	·026	⌊ *a*. Fine day.
5	·74	29·82	43·4	42·3	41·0	43·4	1·4	2·3	·251	·222	89	83	ESE	6	ESE	6–7	10	9	·006	● *a*. Overcast, with squally ⁄.
6	29·92	30·01	41·0	41·0	38·7	42·3	2·4	3·7	·208	·185	81	72	ESE	6	ESE	5	9	6	·012	⁄ *a*. Dull and squally.
7	30·03	29·98	40·2	38·8	37·6	41·2	2·4	2·1	·201	·196	81	84	ESE	4	SE	6	8	10	—	Dull and squally. ⁄ *p*.
8	29·90	·78	39·0	37·8	35·2	40·5	2·1	0·9	·197	·210	83	93	ESE	6	SE	6	9	10	·013	Overcast, with squally ⁄. △ ● *p*.
9	29·87	·96	38·0	40·7	34·5	40·7	2·8	1·7	·176	·218	77	86	SE	2	E	2	10	10	—	Overcast.
10	30·02	·99	40·3	41·3	34·8	41·6	0·7	1·1	·236	·236	95	92	ESE	3	SE	4	10	10	·002	Overcast, with ≋0 (mist).
11	29·92	·91	41·8	37·5	36·3	41·8	0·8	1·3	·247	·199	94	89	SE	4–5	E	2	10	10	—	Overcast, with ≋0 (mist).
12	·99	·98	34·4	34·0	34·0	37·5	1·6	1·9	·167	·158	84	80	E	2	ESE	3	10	8	—	≋0 (mist) *a*. Overcast day.
13	·85	·78	36·0	38·7	32·0	38·7	1·5	3·0	·184	·179	87	77	ESE	4	SE	3	10	10	—	Overcast, with ≋0 (mist).
14	·87	·81	37·4	42·0	35·6	42·0	2·0	2·5	·185	·216	83	82	ESE	2	W	2	10	9	·022	Dull day.
15	·62	·66	41·2	38·7	37·5	44·2	2·0	3·7	·217	·167	85	71	NNW	3	E	5	4	10	·028	● *a*. Dull day. ● showers in after-
16	·73	·75	35·0	37·2	34·0	39·2	3·0	4·2	·148	·148	72	67	E	4	E	5	8	10	—	noon. ⁄ *p*. Dull day.
17	·83	·81	38·0	38·0	35·3	39·2	3·5	3·5	·165	·168	72	73	ESE	2	SE	4–5	8	10	—	Dull day.
18	·59	·19	33·4	34·2	31·7	38·0	1·9	0·2	·153	·194	80	98	SE	4	SE	5	10	10	·360	Overcast. Squally ⁄ × at night.
19	·11	·57	32·0	30·2	30·2	35·0	0·1	0·5	·180	·155	99	92	ESE	4–5	N	2	10	10	·032	× *a*. Overcast day.
20	29·50	29·91	23·8	24·7	19·0	30·2	0·4	0·2	·113	·126	89	95	Calm	0	N	1	6	2	—	Overcast.
21	30·17	30·18	22·1	36·1	20·0	36·6	0·0	2·1	·119	·174	100	81	Calm	0	SE	3	0	4	—	≋ *a*. Overcast day.
22	30·05	29·82	38·0	41·8	33·0	41·8	1·7	1·0	·195	·245	85	92	SSE	3	SSE	4	8	10	1·143	Dull day. ≋0 (mist) *p*. ● *a*.
23	29·72	29·98	43·7	37·7	33·2	43·7	0·0	0·7	·285	·212	100	94	SSE	1	N	1	10	10	·080	●2 *a*. Overcast, with ≋0 (mist).
24	30·18	30·17	36·0	37·0	34·0	40·0	0·1	0·1	·210	·218	99	99	Calm	0	N	1	10	10	·028	Overcast, with ≋.
25	·03	·09	40·5	39·0	36·0	42·0	1·3	1·0	·224	·218	90	92	SW	2	N	3	8	3	·130	● *a*. Dull day.
26	·25	·27	38·3	37·5	34·0	40·0	3·3	2·0	·170	·186	73	83	NE	3	NE	2	0	4	—	Fine *a*. Dull afternoon.
27	·20	·14	37·2	38·0	35·5	38·7	1·9	3·0	·185	·173	83	75	ESE	5–6	E	4	10	10	·062	Squally ⁄ *a*. Dull day.
28	·08	·11	36·8	37·0	35·0	38·5	0·8	2·8	·202	·168	93	77	ENE	3	E	3	10	10	—	● △ before 9*a*. Overcast day.
29	·23	·20	35·7	34·0	31·0	37·5	2·9	2·8	·156	·142	74	73	E	2	NE	3	10	8	—	Overcast.
30	·28	30·19	36·9	36·0	33·0	38·7	3·8	0·5	·152	·203	70	96	E	5–6	ENE	5–6	2	10	·001	Fine, with squally ⁄.
31	30·10	29·99	31·8	36·8	31·0	36·8	0·2	2·8	·176	·167	98	76	ESE	6–7	E	5–7	10	10	·001	Dull, with squally ⁄.
Mean	29·898	29·890	37·7	38·3	34·4	40·6	1·6	1·9	·200	·198	86·5	84·7		3·3		3·4	8·1	8·6	1·790	

STONYHURST.—DECEMBER 1890.

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. 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	29·66	29·49	40·8	42·4	36·4	43·7	0·6	0·2	·241	·266	96	99	SWbyS 1	Calm 0	10	10	·046	Overcast. ≋⁰ (mist) *p.*
2	·39	·37	38·9	34·1	33·6	43·7	0·4	1·2	·229	·173	97	87	NEbyN 1	Calm 0	10	10	—	≋⁰ (mist) *a.* Overcast.
3	·32	·44	34·7	42·2	33·2	42·3	1·0	4·4	·182	·185	91	70	Calm 0	NE 2	10	10	·012	Overcast. ●⁰ in evening.
4	·51	·48	40·1	41·3	38·8	43·8	2·0	1·8	·208	·223	84	86	NEbyN 1	NEbyE 3	10	10	—	Overcast.
5	·51	·58	38·9	38·1	37·5	41·5	1·9	2·5	·200	·182	85	79	E by S 2	NEbyN 2	10	10	—	Overcast and gloomy.
6	·67	·77	37·5	33·9	32·9	40·2	2·3	1·6	·181	·163	81	83	EbyN 3	NEbyE 1	10	7	·020	Overcast.
7	·80	·78	32·8	34·2	32·1	37·3	0·9	3·1	·168	·138	90	71	Calm 0	ESE 1	10	7	—	Cloudy and overcast.
8	·65	·57	34·8	33·0	32·6	37·4	2·4	1·2	·156	·163	77	86	ENE 1	Calm 0	10	10	—	└┘. Overcast and gloomy.
9	·67	·74	28·4	31·9	27·6	34·8	1·1	1·5	·124	·146	80	80	Calm 0	Calm 0	10	10	—	Cloudy, with ∞ .
10	·80	·81	32·9	34·0	31·6	35·8	1·0	0·2	·166	·192	89	98	Calm 0	ESE 1	10	10	—	Overcast and cloudy.
11	·75	·72	32·2	28·9	28·6	35·2	1·1	1·4	·158	·120	86	76	EbyS 1	NE 1	8	2	—	└┘. Overcast.
12	·76	·78	26·9	23·5	23·1	35·3	0·8	0·6	·120	·105	83	84	NE 1	ENE 1	8	2	—	└┘. ∞ *p.*
13	·69	·62	23·1	24·4	21·8	29·2	0·7	0·6	·099	·110	80	84	Calm 0	NE 1	3	0	—	└┘. ∞ *p.*
14	·67	·59	18·9	24·5	17·2	27·1	0·7	1·0	·079	·099	78	75	NEbyN 1	Calm 0	6	0	—	Cloudy *a.* ∞ *p.*
15	·36	·39	29·1	33·1	24·0	34·4	0·3	1·3	·152	·162	94	85	Calm 0	ENE 2	10	7	·135	≋⁰ *a.* ✳ ● (sleet) *p.*
16	·48	·51	30·1	33·8	29·3	34·9	2·0	2·8	·117	·140	70	72	EbyN 1	E 2	5	10	—	Overcast and squally.
17	·57	·60	33·1	33·1	32·2	35·1	1·7	1·4	·154	·160	81	84	E 1	EbyS 1	10	10	—	Overcast and gloomy.
18	29·43	·06	29·2	29·0	27·5	34·5	2·0	2·0	·108	·106	68	67	SSE 3	EbyS 2	10	10	—	Overcast and gloomy.
19	28·90	·12	27·8	23·5	22·9	30·6	2·2	0·9	·092	·095	61	76	E 1	ENE 1	10	0	·104	Overcast, with ✳ .
20	29·43	·69	19·8	23·0	19·1	29·2	1·0	0·9	·073	·091	69	75	ENE 1	NEbyE 1	0	0	—	Sunny day.
21	·94	·99	21·0	23·2	17·9	29·9	1·4	1·1	·067	·087	60	71	NE 1	Calm 0	0	0	—	Fine and clear. ∞⁰ *p.*
22	·90	·71	26·5	29·0	13·1	32·8	1·5	0·5	·098	·145	68	91	Calm 0	SSE 2	3	10	·067	≋⁰ (mist).
23	·54	·70	33·2	32·1	28·0	33·7	1·1	0·2	·167	·178	88	98	S 1	Calm 0	10	10	·075	Overcast. ✳ ▲ *a.* ✳ *p.*
24	·92	·94	33·0	35·8	31·4	37·8	1·0	0·3	·167	·205	89	98	Calm 0	Calm 0	10	10	—	≋⁰ (mist) *qp.*
25	·86	·80	38·2	32·0	27·4	38·5	0·7	0·4	·133	·172	86	94	Calm 0	Calm 0	10	10	·078	Overcast with ✳ . ≋⁰ (mist) *qp.*
26	·94	·95	38·0	35·4	31·8	38·9	2·1	1·4	·188	·180	82	87	NNE 2	N 2	9	10	—	Cloudy day.
27	·98	·87	33·6	33·8	31·8	37·6	1·7	1·0	·158	·174	83	89	E 1	NEbyE 1	8	10	—	Sunny *a.* Overcast *p.*
28	·83	·85	33·4	31·4	31·2	34·7	1·5	1·2	·161	·148	84	83	E 3	EbyS 1	10	10	—	Overcast and gloomy.
29	29·94	·90	32·1	32·4	30·0	33·2	1·3	2·4	·152	·134	83	73	ENE 1	ENE 3	10	8	—	Overcast and cloudy.
30	30·02	·04	32·8	31·2	29·4	33·7	2·9	2·2	·129	·125	69	71	ENE 2	ENE 2	10	10	—	Overcast and squally.
31	29·90	29·77	27·6	32·4	27·6	33·5	0·7	0·9	·130	·165	86	89	EbyN 4	SbyW 3	10	10	—	Overcast, with squally ✓ .
Mean	29·671	29·661	31·3	32·0	28·4	35·8	1·4	1·4	·147	·153	81·2	82·6			8·5	7·5	0·537	

HILLINGTON.—DECEMBER 1890.

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	30·04	29·83	34·0	30·1	30·1	37·0	0·2	0·4	·191	·156	98	94	SW 2	SW 0·5	10	10	·007	Overcast all day. ≋⁰ (mist).
2	29·73	·68	34·5	33·7	24·4	35·4	0·9	1·2	·182	·169	91	87	SE 2	SW 0·5	10	10	—	Overcast all day. ≋⁰ (mist).
3	·60	·67	34·8	36·0	32·5	36·6	0·5	0·3	·192	·205	95	97	SW 1	S 2	10	10	—	Overcast, with ≋⁰ (mist). ⊠, from
4	·67	·73	43·4	40·5	35·8	44·1	0·7	0·6	·266	·238	95	95	NE 4	NE 2	10	10	·018	●⁰ *a.* [November 27th.
5	29·79	29·89	38·5	39·6	36·5	41·6	0·5	1·2	·223	·214	96	90	SE 2	NE 3	10	10	·030	●⁰ *p.*
6	30·01	30·03	37·1	28·1	28·0	40·5	1·4	0·2	·193	·148	88	96	SE 3	SE 0·5	10	0	—	Overcast, then fine and sunny. └┘ *p.*
7	30·10	30·04	32·3	34·8	27·8	36·1	1·4	3·1	·152	·145	83	71	ESE 0·5	ESE 2	10	4	·003	└┘² *a.* Overcast all day.
8	29·92	29·87	33·6	34·9	33·1	35·1	2·8	1·3	·139	·177	72	88	ESE 2	SE 1	10	10	—	✳⁰ 11.30*a*. Overcast all day.
9	29·99	30·03	34·6	32·0	31·0	39·2	1·0	0·3	·180	·174	91	96	N 0·5	WNW 0·5	10	0	·004	Overcast all day, with ∞⁰. └┘ *p.*
10	30·11	·12	36·3	32·5	28·0	39·0	0·6	2·5	·202	·133	95	72	NE 0·5	SE 0·5	4	10	—	Fine and sunny.
11	·11	·65	29·3	31·9	26·9	35·0	0·5	1·2	·148	·152	91	84	SE 1	SE 1	10	10	—	Overcast all day, with └┘² ∞ .
12	·07	30·07	31·7	25·1	25·0	35·1	1·9	0·2	·136	·128	76	95	SE 1	ESE 0·5	10	0	·008	Fine day. └┘² all day.
13	30·02	29·95	23·0	24·7	21·0	35·0	0·2	0·0	·115	·133	94	100	E 0·5	SE 0·5	0	0	·010	Fine and sunny. └┘² all day.
14	29·98	·89	24·8	23·9	21·0	34·8	0·2	0·1	·125	·124	95	97	NW 0·5	E 0·5	0	0	·033	└┘² *a.* Fine and sunny. └┘ *p.*
15	·63	·72	24·4	30·7	17·0	32·2	0·5	0·0	·113	·172	87	100	SE 0·5	SE 2	10	10	·040	✳ *a.* and *p.* Overcast.
16	·75	·74	29·9	30·5	23·0	33·2	0·3	0·8	·157	·149	95	88	E 2	ESE 3	10	10	—	Overcast all day.
17	·79	·87	32·1	30·3	28·9	33·1	1·4	1·6	·150	·128	82	76	NE 0·5	ESE 2	10	10	·008	✳ *a.*
18	·78	·48	25·0	24·9	19·0	31·1	0·3	1·3	·123	·091	92	68	E 0·5	E 1	7	10	·010	Fine and sunny *a.* Cloudy *p.*
19	·22	·39	26·1	28·8	24·0	29·1	0·5	0·0	·124	·158	88	100	SE 1	NE 1	10	10	·255	Overcast, with ✳ all day.
20	29·73	29·96	21·2	26·1	19·1	29·2	0·3	0·2	·102	·134	91	96	E 0·5	SE 1	9	10	—	
21	30·22	30·29	18·3	12·8	11·2	30·1	0·5	0·3	·082	·068	84	90	NE 0·5	SE 0·5	5	0	—	Fine and sunny. └┘ *p.*
22	30·26	·08	13·1	18·1	8·1	29·6	0·2	0·3	·072	·088	93	90	S 0·5	S 0·5	10	10	—	└┘ *a.* ≋⁰ (mist) all day.
23	29·95	·04	24·1	29·9	13·9	30·4	0·2	0·3	·121	·157	94	95	S 0·5	S 0·5	10	10	·003	≋⁰ (mist) *a.* Overcast all day.
24	30·25	·28	29·0	25·0	24·9	32·2	0·4	0·2	·148	·127	93	94	S 0·5	SE 0·5	10	10	—	Overcast all day.
25	·20	·15	24·9	25·7	23·6	28·5	0·2	0·5	·127	·121	95	88	SW 0·5	SW 2	10	10	—	Overcast.
26	·23	·21	28·7	30·5	18·0	32·2	0·4	0·0	·146	·170	93	100	SW 1	SE 0·5	10	10	·052	✳ 10*a*.—noon. Overcast. ≋⁰ *p.*
27	·26	·15	30·0	31·8	28·9	34·2	0·2	0·3	·161	·172	97	96	E 0·5	SE 1	10	10	·016	✳ *a.* and *p.* Overcast all day.
28	·13	·16	30·3	30·5	28·7	33·3	0·4	0·0	·158	·170	94	100	SE 1	E 2	10	10	·007	✳ *a.* Overcast.
29	·17	·17	27·9	23·1	19·8	31·0	1·7	1·2	·104	·083	69	68	E 3	E 2	10	2	—	Very cold wind.
30	·23	·17	24·9	23·9	23·0	28·2	1·2	2·2	·094	·063	70	50	E 4	E 5	5	10	—	Bitter wind. Cloudy *p.*
31	30·17	30·07	26·8	31·9	21·6	32·1	1·4	1·1	·102	·154	71	85	E 3	E 3	8	10	·020	
Mean	29·970	29·961	29·2	29·1	24·3	34·0	0·7	0·7	·146	·145	88·6	88·6			1·3	1·4	8·6	7·6	0·524	

CHURCHSTOKE.—DECEMBER 1890.

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.		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	29·51	29·27	43·6	42·3	39·4	46·1	0·9	0·4	·263	·261	93	97	SW 2	SW 2	10	10	·092	Squally, dull, and damp.
2	·18	·16	38·6	33·9	31·2	43·1	0·7	0·8	·220	·179	95	91	SE 2	SE 1	10	10	—	Cold and raw.
3	·09	·23	34·9	35·3	32·2	36·1	0·6	0·4	·190	·198	94	97	SE 1	Calm 0	10	10	·040	Stormy and cold. ≋⁰ (mist).
4	·28	·21	38·8	40·8	34·5	41·0	1·7	0·9	·203	·236	86	93	E 1	SE 3	10	10	·030	≋⁰ (mist) *a.* Day cold and raw.
5	·27	·33	35·1	36·9	34·0	41·0	1·0	1·0	·184	·199	90	92	E 2	E 3	10	10	—	Dull and cold.
6	·42	·53	35·1	30·7	29·0	37·4	3·2	1·8	·146	·128	70	74	E 4	E 2	10	0	—	Stormy ✓ .
7	·54	·52	32·3	32·1	26·4	33·8	1·6	0·2	·148	·176	81	98	E 2	E 2	10	9	—	Black frost. ✳⁰
8	·41	·34	31·9	29·9	29·0	33·0	0·0	0·4	·180	·154	100	94	E 2	SE 1	10	8	·020	Black frost. Dull day. ✳⁰
9	·46	·54	22·1	28·3	19·8	30·8	0·2	0·4	·111	·143	94	93	Calm 0	NW 1	10	10	—	Black frost. ≋ *a.* and *p.*
10	·61	·60	30·1	31·9	27·8	34·1	0·2	1·0	·162	·157	97	87	E 1	SE 1	10	10	—	Black frost. Raw, with ≋⁰ (mist).
11	·54	·49	29·9	28·1	27·3	32·8	1·0	0·2	·139	·148	84	96	SE 2	SE 2	10	10	—	Black frost. Raw and cold, with ≋⁰
12	·55	·57	24·1	25·5	23·3	28·7	0·2	0·3	·121	·127	94	93	ESE 1	SE 1	10	10	—	Black frost. ≋ [(mist).
13	·49	·40	25·2	28·2	24·3	28·3	0·3	0·4	·125	·142	92	92	SE 3	SE 2	7	10	—	Black frost. ≋⁰ (mist) 9*a*.
14	·47	·42	27·8	18·4	18·3	31·2	0·4	0·1	·139	·096	92	97	SSE 2	Calm 0	8	0	—	└┘. Cold, clear, and still.
15	·17	·14	35·3	31·9	17·2	37·7	1·1	0·0	·184	·180	90	100	W 1	SE 3	9	10	—	✳⁰ ●⁰ (sleet).
16	·23	·26	27·3	29·4	26·4	31·9	0·6	1·5	·129	·122	88	76	E 1	SE 2	9	10	—	Cold and raw.
17	·35	29·38	29·1	31·1	26·3	32·0	1·2	1·6	·127	·136	80	77	E 1	E 1	10	10	—	Still and cold.
18	29·21	28·78	27·1	29·3	26·3	31·3	0·6	1·2	·128	·128	87	80	SSE 2	SE 4	10	10	·300	✳⁰. ✳ 11.30*p*.
19	28·63	28·91	26·2	26·9	24·9	32·0	0·3	1·0	·131	·114	94	79	E 3	SE 1	10	10	·050	✳ till noon (⅝ ins. deep).
20	29·24	29·50	17·9	21·9	17·6	28·2	0·0	1·0	·097	·083	100	72	Calm 0	NE 1	10	10	—	Raw and bitter, with ≋.
21	·73	·77	11·4	9·2	9·2	25·0	1·5	0·3	·040	·059	57	91	SE 1	WSW 1	9	0	—	└┘. Very sharp and clear.
22	·69	·47	21·9	31·7	9·2	31·8	1·0	0·8	·083	·160	72	90	ENE 2	SE 1	9	10	—	Milder and threatening.
23	·34	·50	30·4	32·1	28·2	32·8	0·5	1·2	·156	·154	92	85	E 2	SE 1	10	10	—	Cold wind, with ✳ ● (sleet).
24	·73	·74	32·4	32·3	31·0	33·2	0·5	0·4	·172	·174	95	96	W 0·5	ESE 0·5	10	10	—	Cold, with ≋ and ≋⁰ (mist).
25	·69	·66	26·1	29·9	25·5	33·0	0·4	0·2	·127	·160	91	97	E 1	Calm 0	10	10	—	Overcast and cold. ▲⁰
26	·76	·76	33·7	31·1	25·5	36·2	0·5	1·4	·183	·141	94	80	W 1	W 1	10	9	—	Cold ● *a.* ✳ at night.
27	·71	·63	32·1	29·6	28·0	33·4	0·2	0·1	·176	·161	98	98	E 1	Calm 0	10	10	·290	✳ showers.
28	·61	·64	28·2	28·2	26·1	29·6	0·5	0·3	·139	·145	90	95	E 2	E 2	10	10	—	└┘. ✳ before 9*a*. Cold wind.
29	·71	·65	28·9	27·4	27·3	30·2	0·0	0·5	·159	·133	100	90	ENE 2	E 4	10	10	—	Bitterly cold wind.
30	·72	·58	27·1	25·3	24·3	28·4	0·1	0·4	·144	·121	99	90	E 4	E 5	10	10	—	Bitterly cold squalls. ✳ ✣
31	29·61	29·51	19·7	29·1	18·8	29·2	0·0	0·5	·106	·146	100	91	E 4	E 2	10	10	·030	✳ *p.*
Mean	29·450	29·435	29·2	29·6	25·4	33·3	0·7	0·7	·149	·150	90·0	89·7			1·7	1·6	9·7	8·9	0·852	

CARMARTHEN.—DECEMBER 1890.

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	29·91	29·65	45·8	44·8	44·0	47·0	0·1	0·3	·306	·289	99	98	SW 2	Calm 0	10	10	·520	Overcast, with ● all day.
2	·55	·53	42·9	35·4	34·8	45·3	0·4	0·8	·267	·190	97	93	E 1	N 1	10	10	·070	Overcast all day.
3	·46	·57	38·0	35·1	33·1	40·9	0·5	1·3	·193	·179	95	87	E 1	N 2	10	7	·020	Dull day.
4	·63	·52	41·7	42·9	33·1	43·7	3·0	2·4	·204	·225	78	83	N 2	E 4	8	10	—	Dull day.
5	·57	·60	37·9	39·5	36·7	43·7	1·9	2·0	·191	·203	84	84	E 4	E 4	10	10	·050	Dull, with ●.
6	·74	·84	37·1	35·7	34·9	40·0	2·7	2·3	·171	·166	77	80	E 3	E 1	9	5	—	Dull day.
7	·88	·85	30·7	34·7	26·5	37·3	0·8	3·3	·151	·140	88	70	E 2	NE 2	0	10	—	└┘.
8	·78	·69	33·4	31·7	30·5	35·3	3·0	1·9	·133	·136	70	76	NE 1	Calm 0	10	10	—	Dull day.
9	·84	·88	31·5	36·3	29·3	36·8	1·7	0·5	·139	·204	77	96	E 1	Calm 0	10	10	—	Dull day.
10	·96	·94	35·9	37·4	34·5	39·3	1·3	1·3	·185	·198	89	89	E 1	E 1	10	10	—	Dull day.
11	·89	·81	40·3	31·3	30·5	42·3	1·1	0·5	·227	·163	92	92	E 2	N 2	10	0	—	Dull day.
12	·89	·91	28·4	21·9	21·1	35·6	0·7	0·3	·135	·106	87	92	Calm 0	Calm 0	0	0	—	└┘². Fine day.
13	·84	·72	27·7	29·9	19·8	38·0	1·0	0·7	·120	·147	80	88	E 1	N 1	10	0	—	└┘². Fine day.
14	·83	·81	29·2	21·9	21·9	33·4	0·6	0·0	·144	·117	90	100	E 1	Calm 0	10	0	·040	└┘. Fine day.
15	·56	·44	29·2	35·9	19·7	36·9	0·6	1·3	·144	·185	90	89	N 1	E 3	8	9	·020	Dull day. ∼.
16	·56	·63	28·3	30·4	26·8	36·3	0·8	0·2	·131	·164	85	97	E 3	Calm 0	0	10	—	∞ 9*a*.
17	·74	·71	30·9	31·2	28·6	33·6	0·8	0·5	·152	·162	88	92	NE 2	Calm 0	7	10	—	Dull day.
18	·55	·09	31·7	36·1	29·5	36·7	0·7	1·5	·162	·184	92	86	SE 1	SE 3	10	10	·320	Dull day.
19	·00	·26	38·7	29·9	28·7	42·8	2·1	0·6	·195	·149	84	90	NE 4	Calm 0	10	6	—	✳ before 9*a*. Overcast *a*. Fine *p*.
20	29·55	29·86	30·2	28·2	24·5	33·6	1·8	0·9	·122	·127	73	83	N 3	NE 3	10	6	—	
21	30·09	30·12	32·9	26·7	24·5	37·5	1·3	0·8	·160	·118	85	84	NE 1	NE 1	2	0	—	Fine day.
22	30·09	29·84	20·2	35·9	20·0	36·2	0·0	1·6	·109	·180	100	86	Calm 0	S 1	0	10	·230	∞ 9*a*. Dull day.
23	29·69	29·84	37·2	35·5	34·4	37·9	0·5	0·3	·212	·201	95	97	E 1	E 1	10	10	·390	Overcast with ● all day.
24	30·11	30·13	34·9	31·7	31·0	39·2	0·3	0·6	·196	·165	97	92	NW 1	SE 1	10	10	—	Dull, with ✳ .
25	·10	·04	28·3	32·7	26·5	33·1	0·6	0·4	·137	·177	88	96	NE 1	SE 1	10	10	·090	Dull day.
26	·15	30·11	32·7	34·4	28·5	38·5	0·5	1·8	·174	·164	94	82	Calm 0	Calm 0	10	6	—	
27	30·07	29·97	30·9	32·9	28·5	35·6	1·0	1·3	·148	·160	85	85	Calm 0	Calm 0	4	10	—	Dull day.
28	29·97	·97	30·9	31·0	29·5	33·4	0·5	2·3	·160	·130	93	72	E 1	E 1	10	10	—	Dull day.
29	30·14	·99	29·9	29·0	29·1	33·1	0·6	0·6	·149	·149	90	90	NE 3	NE 4	10	9	—	Fine day.
30	30·05	·99	27·5	26·1	23·3	31·1	2·4	2·3	·085	·075	57	64	E 5	NE 5	3	5	—	Fine day.
31	29·89	29·80	21·9	32·8	18·7	33·1	0·8	1·1	·089	·163	77	89	NE 5	NE 3	3	8	—	Fine day.
Mean	29·810	29·776	32·7	32·9	28·5	37·7	1·1	1·2	·164	·165	86·3	86·8			1·7	1·5	7·5	7·5	1·750	

MARGATE.—DECEMBER 1890.

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.	Dep. of Wet. 9 p.m.	Vapour Tension. 9 a.m.	Vapour Tension. 9 p.m.	Per-centage. 9 a.m.	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	29·83	31·1	38·2	29·0	38·8	1·3	2·1	·143	·190	81	83	SW 1	NNE 2	0	5	·010	⌙a.
2	29·73	·72	34·8	30·8	28·3	40·0	1·6	0·4	·171	·162	84	94	SE 1	Calm 0	10	10	—	⌙^{0}a. Dull day.
3	·64	·63	38·0	39·0	30·2	40·0	1·1	1·4	·207	·210	90	89	Calm 0	NNE 2	10	10	·120	Dull day.
4	·57	·71	42·5	37·0	36·0	43·6	0·6	1·3	·259	·195	95	89	E 2	Calm 0	10	10	·040	Milder.
5	·76	·80	38·0	37·9	35·0	40·0	1·0	1·5	·208	·198	91	88	E 3	E 2	10	10	—	≋^{0}a. Dull day.
6	29·90	·99	36·6	37·7	35·8	38·5	2·8	4·7	·165	·145	76	64	E 3	E 3	10	10	—	Dull and cold.
7	30·05	·99	36·4	35·0	34·0	38·5	0·4	2·9	·207	·150	96	73	E 2	E 3	7	6	—	Dull day.
8	29·87	29·86	34·8	33·1	33·0	35·8	0·8	1·0	·186	·168	92	89	E 1	E 1	10	0	—	⌙^{0}a.
9	29·97	30·02	35·6	35·0	29·0	38·8	1·4	1·2	·181	·180	87	88	Calm 0	NE 1	0	0	—	⌙a.
10	30·09	·13	32·6	25·0	24·4	35·8	1·1	0·8	·162	·107	87	79	Calm 0	Calm 0	0	10	—	⌙a.
11	·08	·04	26·2	30·8	22·7	34·7	0·2	1·6	·135	·133	96	76	Calm 0	E 1	9	0	—	⌙a. ≋^{2}p.
12	·04	30·07	28·4	32·5	24·0	33·3	0·4	1·5	·144	·152	93	82	Calm 0	NE 1	5	0	—	⌙a.
13	30·03	29·96	30·8	31·8	26·2	34·8	2·0	0·1	·124	·177	72	99	Calm 0	E 1	0	0	—	⌙a. Fine, but cold.
14	29·96	·88	28·0	29·4	25·0	34·6	0·8	0·6	·128	·146	84	90	Calm 0	Calm 0	0	0	—	⌙a. Sunny day.
15	·67	·68	26·4	28·4	22·4	32·1	0·2	1·4	·136	·115	96	75	Calm 0	E 2	7	3	—	⌙a. Bright and cold.
16	·69	·67	24·8	29·6	24·0	29·7	0·1	0·1	·130	·161	97	98	E 2	E 1	10	10	—	⌙a. Very cold day.
17	·76	·83	30·0	32·4	27·7	32·4	0·5	0·2	·152	·179	92	98	E 1	E 1	10	10	—	⌙a. Very cold day.
18	·77	·54	30·8	25·8	24·2	33·3	0·1	0·8	·170	·112	99	81	E 1	E 2	9	0	·070	⌙all day. ✳
19	·15	·44	27·9	28·6	24·4	31·0	0·3	0·8	·143	·133	94	85	E 3	SE 2	10	10	—	✳a. and p.
20	29·69	29·91	34·2	36·0	23·2	36·0	1·2	0·5	·173	·201	87	96	E 1	E 3	10	10	·330	⌙a.
21	30·16	30·26	36·8	36·0	34·3	37·0	2·2	2·4	·177	·166	81	79	E 2	NE 2	10	0	—	
22	30·22	·10	36·8	34·0	33·0	39·0	2·6	1·9	·171	·158	78	80	E 1	NE 1	0	0	—	Fine day.
23	29·96	·04	29·2	30·8	28·2	34·0	0·2	0·6	·155	·157	97	91	SE 1	E 1	10	10	—	≋^{0}a.
24	30·24	·27	31·6	29·0	28·6	32·0	0·8	1·0	·158	·131	89	82	E 1	E 3	10	5	—	
25	·24	·24	28·4	29·4	27·0	29·4	1·4	0·4	·115	·151	75	93	E 1	E 2	10	10	—	
26	·26	·25	32·0	34·0	27·8	36·0	0·6	1·6	·167	·163	92	83	Calm 0	E 1	10	10	—	✳9a. and 8p.
27	·21	·13	34·6	30·0	28·9	35·0	2·0	0·4	·162	·155	80	93	NE 2	N 1	10	4	—	≋^{0}a. ✳8p.
28	·10	·14	32·0	32·0	28·6	32·7	1·0	0·2	·158	·176	87	97	N 2	N 3	10	10	—	
29	·07	·10	30·0	27·6	25·2	32·0	0·3	1·2	·158	·113	95	77	NE 1	NNE 3	10	4	—	Very cold day.
30	·17	·05	22·6	20·0	17·4	27·6	1·6	1·0	·070	·073	60	68	N 4	N 4	10	10	—	✳p.
31	30·09	30·06	29·6	34·0	19·0	34·0	0·9	0·3	·139	·189	85	97	NNE 3	NE 2	8	10	·070	
Mean	29·944	29·946	32·0	32·0	27·6	35·2	1·0	1·2	·160	·156	87·4	85·7		1·3		1·6	7·6	6·0	0·640	

SOUTHAMPTON.—DECEMBER 1890.

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	30·12	29·83	38·2	37·6	33·5	42·2	1·0	0·7	·210	·212	92	94	SSE 1	NE 1	10	10	—	≋a.
2	29·72	·70	34·8	36·8	31·8	38·6	0·9	1·0	·184	·199	92	92	NE 1	E 1	10	10	—	≋^{0}a. Overcast all day and raw cold.
3	·63	·67	37·3	37·9	36·2	42·3	0·4	0·7	·215	·213	97	94	ESE 0·5	NE 1	10	10	·004	≋^{0}a.
4	·63	·63	42·5	37·1	36·7	43·3	0·8	1·0	·254	·201	94	91	NE 2	N 2	10	10	·100	● till 4p.
5	·72	·73	35·9	38·4	35·2	40·1	1·0	1·2	·194	·208	92	90	NE 2	ENE 3	10	10	·020	Overcast and raw cold a. ● noon—3p.
6	29·87	·97	36·9	36·0	35·2	39·4	2·1	2·2	·180	·172	83	86	ENE 3	NE 3	10	10	—	Dry and cold.
7	30·01	·96	35·0	29·2	29·1	36·9	1·6	0·0	·172	·161	84	100	NE 0·5	NE 1	8	0	—	Fine, cold and dry. ⌙at night.
8	29·85	29·85	32·7	29·2	28·9	34·6	1·7	0·4	·150	·150	81	93	NE 1	NE 1	10	0	·005	✳a. Fine p. ⌙n.
9	29·95	30·01	33·4	35·0	27·6	36·0	0·5	0·2	·181	·200	95	98	NE 2	NNE 1·5	10	10	—	Overcast, raw and cold.
10	30·11	·13	32·5	30·7	29·6	36·1	0·2	0·1	·181	·169	98	99	NE 1	N 1·5	10	10	—	≋a. and p. Fine, but cold.
11	·10	·01	25·8	28·8	24·8	32·4	0·0	0·0	·140	·159	100	100	NE 0·5	NE 2	0	10	—	⌙^{2} ≋^{0}a. Fine, but very cold. ≋
12	·04	30·05	25·8	29·3	25·5	30·9	0·0	0·5	·140	·148	100	91	NE 1·5	NE 1·5	1	0	—	⌙^{2} ≋^{0}a. Fine, cold and dry. ⌙n.
13	30·00	29·92	24·5	27·7	23·3	37·6	0·0	0·4	·132	·139	100	92	NE 1	ENE 1	1	0	—	⌙^{2}a. and p. Beautiful day, but cold.
14	29·96	·92	23·9	22·4	22·4	33·9	0·1	0·0	·125	·120	97	100	NE 1	NE 0·5	1	0	—	⌙^{2}a. and p. Beautiful day, but very
15	·71	·59	20·9	30·7	17·0	31·5	0·0	0·7	·113	·154	100	90	NW 0·5	NE 2	10	10	·047	⌙^{2}a. ✳9a.—11a. [cold.
16	·69	·70	24·2	26·1	22·9	33·1	0·3	0·7	·119	·118	92	83	NE 1	NE 1	10	10	—	Dull and very cold.
17	·80	·86	29·0	30·3	25·7	32·1	0·7	0·5	·139	·156	88	93	N 1	NE 1	10	10	—	✳ 4p. and 6p.
18	·79	·41	29·7	36·0	24·3	36·3	0·3	1·7	·142	·180	94	85	NNW 1	SE 3·5	10	10	·426	⌙a. Day dull. ● 0 9p. ✳midt.
19	·13	·44	32^{3}/$_{4}$	20·4	20·4	36·8	0·3	0·0	·179	·110	97	100	N 1	NNW 0·5	10	10	·155	✳a. (5 ins. at 9a.) Fine p. ⌙≋^{0}n.
20	29·65	29·85	29·8	32·7	17·3	33·1	0·4	0·5	·155	·176	94	95	NE 2	NE 3	10	10	·648	~✳● (sleet) all day. ✳from 7p.
21	30·16	30·28	34·9	29·1	28·5	36·0	0·7	0·0	·189	·161	93	100	NE 1	NE 0·5	10	0	—	Thaw all day. Clear and frosty n.
22	30·25	·08	19·7	23·2	19·7	32·5	0·0	0·0	·107	·124	100	100	NE 1	NE 0·5	0	0	—	⌙^{2}a. and p. Beautiful day, but cold.
23	29·92	·01	34·5	33·2	20·1	36·7	2·2	0·5	·158	·179	79	94	ESE 1·5	NE 1·5	10	10	—	Thawing slowly all day.
24	30·24	·28	29·4	28·1	27·6	34·5	0·3	0·7	·155	·132	95	86	NE 1	NE 1	9	10	—	Freezing all day.
25	·26	·22	19·2	27·2	17·3	29·5	0·0	0·2	·104	·142	100	96	NW 1	NW 0·1	8	10	·168	⌙a. Fine and bright. ✳from 9p.
26	·28	·25	33·2	33·0	26·9	34·5	0·6	0·3	·177	·183	93	97	S 1	SSE 0·5	10	10	·010	✳ till noon. Thawing slowly all day.
27	·24	·10	30·0	31·1	29·4	34·5	0·1	0·3	·164	·167	98	95	NE 1·5	E 1·5	0	10	·008	Beautiful a. ✳in evening.
28	·10	·10	29·4	30·2	28·8	32·6	0·3	0·8	·155	·147	95	87	NE 1·5	NE 2	10	10	·002	Dull and cold a. ✳^{0} 11a.—noon.
29	·16	·10	30·0	25·7	25·6	31·5	0·8	0·7	·145	·115	86	83	NE 1	NE 2	10	10	—	Very cold day.
30	·13	30·08	26·6	22·7	22·3	27·5	1·0	0·5	·113	·102	79	86	NE 2	NE 3	10	10	·002	Dull, with very cold wind. ✳7p.
31	30·02	29·99	21·5	31·7	17·2	32·4	0·3	0·8	·105	·160	91	90	NE 3	ENE 2	10	10	·042	✳ 1p., then ✳● (sleet). ~n.
Mean	29·943	29·926	30·1	30·6	26·2	35·1	0·6	0·6	·157	·160	92·9	92·7		1·5		1·5	8·0	7·4	1·637	

BABBACOMBE.—DECEMBER 1890.

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.	Dep. of Wet. 9 p.m.	Vapour Tension. 9 a.m.	Vapour Tension. 9 p.m.	Per-centage. 9 a.m.	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	29·84	29·57	42·8	42·9	38·4	44·2	1·1	0·1	·251	·274	92	99	SW 2	W 1	10	10	·330	Dull, with ● ≋ (mist). [noon
2	·44	·42	39·1	38·0	36·2	43·6	0·2	0·5	·234	·218	98	96	ESE 3	NE 1	10	10	—	≋^{0} n. Dull, with ≋^{0} (mist) a. ⊕^{0}
3	·36	·43	37·2	41·0	35·4	43·1	0·3	2·4	·216	·208	97	81	NW 1	NNE 1	9	10	—	≋^{0} (mist) a. Dull day. [gloomy.
4	·45	·33	41·5	40·9	36·0	42·4	1·4	1·7	·231	·221	89	87	NNE 4	E 6	10	10	·090	≋^{0} (mist) ● showers a. Dull and
5	·38	·42	41·6	39·9	37·3	43·9	1·2	1·0	·237	·225	91	93	E 6	ENE 6	10	10	·700	● n. and p. Squally ⸝ (gale).
6	·54	·66	38·9	38·6	37·0	40·0	0·6	2·1	·225	·193	95	83	ENE 6	E 6	10	10	·030	✳● showers. Squally ⸝ (gale).
7	·69	·66	38·9	37·6	37·2	39·4	2·3	2·7	·193	·175	83	78	E 5	E 5	10	10	—	≋^{0} (mist) a. Dull and gloomy.
8	·59	·58	35·0	33·8	32·3	37·7	2·1	0·9	·163	·176	80	90	ENE 3	ENE 1	10	10	—	Dull, with ≋^{0} (mist). ✳^{0} 4p.
9	·67	·72	36·1	37·6	33·4	38·9	1·4	0·6	·185	·214	87	95	NE 2	NE 3	10	10	·010	●^{0} a. and 9p. Dull, with ≋^{0} (mist).
10	·82	·84	39·0	40·0	37·1	40·0	0·2	0·2	·233	·242	98	98	NE 2	NE 1	10	10	·070	Dull and gloomy, with Scotch ≋.
11	·78	·71	43·7	38·3	38·2	43·9	1·7	1·2	·247	·208	86	90	SE 2	E 3	10	10	—	Dull and gloomy, with ≋^{0} (mist).
12	·74	·70	34·3	32·8	29·0	38·4	1·3	1·3	·172	·159	86	85	E 4	E 4	10	10	—	Dull and gloomy, with ≋^{0} (mist).
13	·71	·62	34·0	37·7	31·2	43·3	0·8	2·3	·186	·182	92	80	NNE 2	ESE 2	10	2	—	⌙n. and p. Dull, with ≋^{0} (mist).
14	·67	·68	38·6	32·7	32·6	39·2	2·4	0·7	·188	·170	81	92	E 3	NNW 1	8	10	·010	Dull, with ≋^{0} (mist). ⌙p.
15	·47	·28	33·6	38·3	24·2	41·6	0·6	0·8	·180	·215	93	94	SW 2	E 4	9	10	·180	● n. and p. ⌙^{2} ~a. ≋^{0} (mist).
16	·40	·47	31·1	28·3	28·2	38·8	1·0	1·7	·149	·107	85	69	ENE 4	NE 3	10	10	—	Dull, with ≋^{0} (mist).
17	·58	·62	28·9	31·3	28·2	31·4	2·0	1·7	·106	·136	67	77	NNE 3	NNE 2	10	10	—	≋^{0} (mist) a. ✳^{0} 1.30p. Dull day.
18	29·48	·04	35·9	37·1	30·2	41·2	2·0	0·6	·173	·208	84	95	SE 2	SE 6	10	10	·950	● all day. ✳9p. ●^{2} 11p. ⸝ (gale)
19	28·97	·15	40·0	39·9	35·4	47·6	2·8	1·2	·193	·222	78	91	WNW 5	NE 1	9	10	·800	●^{2} ✳n. ● showers. ⌙p. ⌙n.
20	29·36	29·61	34·7	29·9	28·9	43·2	0·2	0·1	·197	·163	98	98	NNE 3	NNE 4	10	10	·250	●^{2} n. ✳a. and p. ▲3p. ✣~p.
21	·89	30·00	33·9	34·6	29·4	36·4	0·5	0·9	·184	·182	94	92	NE 3	NNE 1	10	10	—	●✳n. Dull, with ≋^{0} (mist).
22	·96	29·77	34·8	41·6	32·4	41·6	0·6	2·1	·189	·219	94	84	NE 1	SSE 2	10	10	—	Dull, with ≋^{0} (mist).
23	·58	29·71	43·3	40·0	39·8	44·0	0·8	0·3	·262	·240	94	98	SSE 3	ENE 3	10	10	·320	Dull and gloomy, with ●.
24	·95	30·00	33·6	30·7	30·7	40·1	0·7	0·8	·178	·151	92	88	NE 2	NNE 2	10	10	—	Dull, with ≋^{0} (mist).
25	·98	29·92	30·6	36·7	28·5	38·6	0·7	0·3	·152	·212	90	98	Calm 0	SSW 2	5	10	·690	⌙a. ≋^{0} (mist). ●^{2} p.
26	·98	·99	37·9	35·3	35·1	39·1	0·9	0·2	·210	·202	92	98	SSE 1	NNE 2	10	10	·020	●^{2} n. Dull day. ≋^{0} p.
27	·92	·83	34·2	31·9	31·0	36·4	0·1	0·9	·195	·158	99	88	WNW 1	NE 2	10	10	·070	✳△▲≋^{0}●showers a.
28	·79	·79	33·0	33·8	31·5	34·7	1·0	0·4	·167	·186	89	95	ENE 3	E 5	10	10	·010	✳showers a. Squally with ▲●p.
29	·90	·83	32·7	27·3	27·2	34·4	1·6	1·5	·152	·103	82	71	ENE 4	ENE 4	10	10	—	Dull, with ≋^{0} (mist). Squally p.
30	·82	·75	29·0	26·5	24·2	29·1	2·0	2·0	·106	·085	67	59	ENE 5	ENE 7	10	10	—	Dull and gloomy. Squally ⸝ p.
31	29·70	29·66	24·3	37·2	23·2	37·2	0·5	0·1	·112	·220	87	99	ENE 5	ENE 4	10	10	·020	✳✣till 3p. then ●^{0}. Dull day.
Mean	29·658	29·640	35·9	35·9	32·2	39·8	1·1	1·1	·189	·189	88·4	88·4		5·0		3·1	9·7	9·7	4·550	

LONDONDERRY.—DECEMBER 1890.

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	29·73	29·67	52·2	52·7	34·0	54·0	1·2	1·0	·358	·370	92	92	SW 2	SW 1	10	10	·150	
2	·69	·72	49·7	46·7	45·0	53·3	0·5	1·8	·343	·277	96	87	NE 2	NNE 2	10	10	·200	Constant ● till 6 p.
3	29·84	·99	40·2	41·7	39·0	47·0	3·0	3·0	·191	·204	77	78	N 2	N 2	10	2	—	
4	30·01	·89	39·2	39·7	36·0	43·0	2·0	1·4	·201	·216	84	88	NE 2	NE 2	10	10	—	
5	29·83	29·94	40·7	40·0	35·2	42·0	1·5	0·5	·222	·237	88	96	E 2	NE 2	10	10	—	
6	29·95	30·10	38·7	39·0	38·0	40·9	2·5	2·3	·188	·194	80	82	E 2	NE 2	10	10	—	
7	30·09	30·01	36·7	37·7	34·0	40·4	1·3	2·4	·193	·181	89	79	SE 2	Calm 0	10	10	—	
8	29·96	29·88	36·6	37·7	35·1	38·7	1·9	2·0	·181	·188	84	83	SE 2	SE 1	10	10	·020	
9	29·91	30·00	35·7	33·7	33·0	38·4	1·0	0·5	·191	·184	91	94	E 1	SE 2	10	10	—	
10	30·06	29·93	31·2	40·7	30·0	41·0	0·5	2·0	·163	·213	93	84	SE 2	SE 2	10	10	·020	● at night.
11	29·86	·87	44·7	45·2	40·0	46·3	1·1	1·0	·270	·278	91	93	S 2	SW 2	10	10	·170	Overcast, with ● all day.
12	30·00	·98	43·7	42·2	41·0	46·0	1·0	1·5	·262	·237	92	88	NE 2	E 2	10	10	·020	● at times.
13	29·82	·75	37·2	41·3	36·1	42·7	2·2	3·2	·180	·197	81	77	S 2	SSE 1	10	10	—	
14	·86	·89	38·7	43·7	38·0	44·0	1·2	1·5	·212	·251	90	88	SW 2	SW 2	9	10	·020	● at night.
15	·78	·73	43·1	40·2	39·0	46·3	1·7	1·5	·241	·218	86	88	N 2	SW 2	10	10	·010	● at night.
16	·80	·84	36·4	31·7	29·6	41·2	1·7	1·8	·184	·138	85	77	SE 2	ENE 1	10	10	—	
17	·87	·78	34·7	34·7	30·1	37·5	1·6	3·0	·170	·146	84	72	SE 1	SE 1	10	1	—	
18	·42	·10	38·6	35·8	33·0	39·6	3·9	0·5	·163	·201	70	96	SSE 4	SE 4	8	10	·740	Constant ● from 1 p. ✳at night.
19	·14	29·43	34·5	27·7	26·5	36·3	0·7	0·8	·186	·127	93	84	SW 1	NE 1	10	0	—	Fine day.
20	29·72	30·01	24·7	27·7	23·4	33·0	0·7	1·0	·109	·122	82	81	SW 2	Calm 0	9	0	—	Fine and clear.
21	30·21	30·16	23·7	33·0	20·4	33·4	1·0	1·9	·091	·149	75	79	SW 1	SE 1	10	0	·010	≋a. ⊔7 p.
22	29·91	29·62	40·2	44·7	32·4	45·0	1·5	2·0	·218	·251	88	85	S 4	S 4	10	10	·020	Cold, with ●^{0}
23	29·79	30·10	39·7	37·2	36·0	46·6	0·4	0·5	·236	·212	96	95	SW 1	SW 1	1	1	·020	Fine day. ● at night.
24	30·26	·17	33·7	32·7	31·0	39·0	0·6	1·0	·182	·165	93	89	SW 2	Calm 0	1	6	·060	Fine day. ⊔10 p. [and at night.
25	·06	·27	36·7	38·7	31·0	43·6	0·8	2·0	·202	·197	93	84	NW 1	N 1	10	0	·060	● till 10 a. ● showers during day
26	·43	·41	31·7	34·7	30·8	39·0	0·7	1·5	·162	·172	91	85	NNE 1	E 1	0	6	—	Fine day.
27	·27	·21	33·7	32·7	29·1	37·1	1·0	1·0	·174	·165	89	89	E 2	SE 1	1	5	—	Fine day.
28	·16	·21	34·2	34·7	31·0	37·2	0·7	0·8	·184	·186	93	92	Calm 0	E 1	9	10	—	≋a.
29	·34	·35	28·7	33·7	27·2	35·2	0·9	1·8	·132	·157	84	81	E 1	N 1	0	10	—	≋^{0}(mist). Fine day.
30	·41	·39	33·0	34·9	30·0	37·2	2·3	2·2	·142	·160	75	79	NE 2	E 1	1	8	—	
31	30·15	30·06	35·7	34·7	31·1	35·9	3·5	2·0	·147	·162	70	80	NE 2	NE 3	10	5	—	✳^{0} showers.
Mean	29·947	29·950	37·0	37·8	33·1	41·3	1·4	1·6	·196	·199	86·3	85·3		1·8		1·5	8·0	7·2	1·530	

ARMAGH.—DECEMBER 1890.

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	29·67	29·56	51·4	50·7	49·0	53·9	1·0	0·6	·353	·354	93	99	S 3	S 2	10	10	·182	
2	·53	·54	48·7	45·8	45·6	51·4	0·0	0·7	·344	·291	100	95	S 0·5	N 1	10	10	·310	≋ *a.*
3	·03	·80	38·7	39·6	37·9	46·5	2·7	3·6	·184	·176	79	72	N 2	NNE 3	10	7	·002	
4	·82	·71	37·0	38·2	33·0	41·3	1·9	1·1	·184	·208	84	91	NE 2	NE 1	2	9	·010	
5	·65	·76	41·6	41·2	37·4	41·9	1·0	2·5	·242	·209	93	81	NE 1	NE 1	10	10	·042	Remarkably dark day.
6	·86	·94	37·6	39·5	34·1	41·7	0·7	2·6	·212	·192	94	79	NE 2	ENE 2	10	10	·058	
7	·92	·87	36·9	37·0	35·4	40·5	0·9	3·2	·201	·162	92	74	E 1	SE 2	10	10	—	
8	·82	·71	36·0	36·3	34·3	37·5	1·8	0·6	·179	·203	84	95	ESE 0·5	ENE 1	10	10	·075	Overcast all day.
9	·79	·88	35·1	29·8	29·6	36·8	1·1	0·2	·183	·160	89	97	S 1	S 1	10	5	—	⌊_ *a.* ⌊_ *p.* ≋
10	·93	·81	27·4	42·8	22·8	43·4	0·3	1·1	·141	·251	94	92	SSW 0·5	SE 3	10	10	—	⌊_ *a.* ≋
11	·75	·75	45·0	45·6	38·6	47·1	1·7	1·1	·260	·281	87	92	SSE 3	SE 4	10	10	—	Overcast all day.
12	·87	·87	42·5	39·6	38·8	46·8	1·2	0·9	·246	·225	90	93	SE 2	SE 1	2	10	—	
13	·72	·62	36·4	40·8	33·8	41·4	2·4	2·0	·171	·214	79	84	S 2	SSE 2	9	10	—	
14	·78	·75	38·0	40·0	35·7	43·4	1·6	1·0	·197	·226	86	92	SSE 1	SSE 2	7	10	—	
15	·61	·56	41·5	39·8	36·0	46·7	1·3	1·1	·234	·223	90	92	NNW 1	NE 2	10	10	·025	
16	·65	·69	35·5	35·0	33·9	40·5	2·5	2·1	·160	·162	77	80	ENE 1	E 1	10	10	—	Overcast all day.
17	·76	29·66	35·3	35·6	33·0	38·5	1·7	2·9	·174	·155	84	74	E 1	SSE 3	10	10	—	
18	·36	28·99	37·5	38·0	32·5	40·7	4·4	0·2	·147	·224	66	98	SE 4	SE 4	10	10	·775	Overcast all day.
19	·04	29·28	33·0	26·6	26·3	39·3	0·1	0·6	·186	·125	99	87	E 0·5	SW 0·5	10	10	—	✳ before *9a.* ≋ in evening.
20	29·62	29·88	25·9	29·0	21·0	32·8	0·1	0·2	·137	·155	98	97	S 1	Calm 0	10	10	·012	≋ *a.* and in afternoon.
21	30·11	30·06	17·7	24·2	15·9	29·5	0·0	0·3	·097	·119	100	92	Calm 0	SE 1	10	0	—	≋ *a.* and in afternoon.
22	29·86	29·54	39·5	43·6	23·0	44·5	1·0	0·6	·222	·270	92	95	SE 5	SSE 5	10	10	·042	
23	29·68	29·95	41·8	33·9	33·2	46·6	0·2	0·2	·260	·191	99	98	SSW 1	WNW 1	10	3	—	⌊_ *9p.*
24	30·14	30·05	32·9	31·8	28·9	43·3	0·5	0·8	·177	·160	95	90	SSW 1	SSW 1	2	5	·072	⌊_ ≋ *9p.*
25	29·95	·12	36·0	34·0	31·0	38·6	0·3	0·6	·206	·184	97	93	SSW 1	NNW 0·5	10	4	·042	
26	30·28	·24	31·1	32·7	27·2	38·8	0·6	0·7	·160	·172	91	92	Calm 0	NNE 1	2	9	—	⌊_ *a.*
27	·10	·05	35·6	34·0	28·9	36·6	1·7	1·2	·178	·172	85	87	NE 2	ENE 1	9	10	—	
28	·01	·05	34·4	35·0	32·8	35·5	0·6	1·1	·187	·182	94	89	NE 1	ENE 1	10	10	—	Overcast all day.
29	·19	·16	32·7	34·1	27·8	36·3	0·7	2·4	·172	·149	93	76	NE 1	NE 1	10	10	·008	Overcast all day.
30	30·23	30·19	34·6	34·9	31·0	36·5	2·4	1·1	·155	·181	77	90	NE 2	NE 3	8	10	·015	Overcast all day.
31	29·97	29·87	32·9	36·0	31·3	36·8	0·6	0·9	·176	·195	93	92	E 4	ENE 2	10	10	—	✳ before *9a.* Overcast all day.
Mean	29·816	29·804	36·5	36·9	32·2	41·1	1·2	1·2	·198	·199	89·5	88·9			8·7	8·8	1·670	

MARKREE CASTLE (SLIGO).—DECEMBER 1890.

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	29·61	52·0	52·0	50·3	53·6	0·8	0·3	·366	·380	94	98	SSW 2	S 1	10	10	·090	Overcast all day.
2	·61	·67	49·1	47·0	45·5	52·0	0·1	1·8	·347	·280	99	87	NNW 0·5	NNW 2	10	10	·260	
3	·76	·90	41·0	40·1	37·7	47·1	4·0	2·5	·180	·199	70	80	NNW 3	NNE 2	10	10	·010	
4	·91	·80	34·8	34·4	31·0	42·1	1·3	1·1	·176	·177	88	88	NNE 1	ENE 0·5	9	10	—	⌊_
5	·70	·81	40·0	40·1	32·2	41·6	1·1	1·4	·224	·219	91	89	NE 1	ESE 0·5	10	10	—	Overcast all day.
6	·92	·96	37·8	39·0	37·1	40·9	1·8	1·5	·192	·209	85	88	NNW 0·5	ESE 1	8	10	—	
7	·98	·89	34·8	35·9	30·0	39·6	2·5	2·9	·155	·158	76	75	SE 1	SE 1	2	10	—	
8	·85	·78	34·2	33·6	29·4	37·9	2·2	1·4	·154	·164	78	85	ESE 1	SE 0·5	8	10	—	
9	·87	·94	32·2	30·9	30·4	38·7	0·3	0·9	·177	·150	97	86	Calm 0	SE 0·5	10	10	—	∞ *9a.*
10	·97	·82	23·9	40·2	20·0	40·2	0·2	0·9	·121	·230	95	92	Calm 0	SSE 2	10	10	·210	≋ *a.* ⌊_²
11	·75	·78	43·9	42·0	39·2	45·3	0·7	0·1	·270	·265	95	99	SSE 2	Calm 0	10	10	·920	● all day.
12	·92	·92	41·8	39·0	38·2	42·6	0·3	0·7	·258	·224	98	94	Calm 0	SE 2	10	10	·020	∞ *a.*
13	·69	·63	34·0	38·7	32·9	39·8	1·0	1·7	·176	·202	89	86	SE 3	SSE 3	10	10	—	Overcast all day.
14	·82	·85	38·0	40·7	36·0	41·6	1·5	0·5	·199	·243	87	96	SE 1	Calm 0	10	10	·010	Overcast all day.
15	·75	·62	42·1	38·7	35·4	44·7	1·7	1·4	·232	·208	87	89	NNW 1	ENE 0·5	10	10	—	Overcast all day.
16	·69	·74	36·0	28·3	27·2	39·6	2·1	0·4	·173	·143	81	93	ESE 0·5	SE 0·5	10	9	—	
17	·80	29·66	27·1	30·9	22·3	34·2	0·7	0·4	·124	·164	85	94	ESE 0·5	SSE 3	9	7	—	⌊_ ∞ *a.*
18	·29	28·97	37·6	39·0	29·0	40·5	0·3	0·1	·219	·236	98	99	SSE 5	Calm 0	10	10	·940	🌂 ● during day.
19	·13	29·37	34·6	27·1	26·2	43·3	0·6	0·0	·189	·148	94	100	Calm 0	Calm 0	8	9	—	∞ ⌊_ in evening.
20	29·70	29·93	26·1	27·5	22·9	37·6	0·1	0·3	·138	·140	98	94	Calm 0	SE 0·5	9	10	—	⌊_². ≋ *p.*
21	30·14	30·06	24·9	29·3	23·4	30·8	0·2	0·5	·127	·148	95	91	Calm 0	SE 1	10	10	·020	≋ *a.*
22	29·85	29·52	39·0	44·4	28·5	44·8	1·0	1·1	·218	·267	92	91	SE 1	S 4	10	10	·010	Overcast all day.
23	29·75	30·05	35·2	35·4	31·9	46·6	0·2	0·4	·202	·200	98	96	Calm 0	Calm 0	8	9	—	
24	30·21	·09	26·0	31·0	23·6	39·8	0·0	0·1	·141	·171	100	98	Calm 0	SE 0·5	3	10	·020	∞ *a.* ≋ *9p.* ⌊_
25	·02	·22	33·8	38·8	29·2	43·2	0·3	2·8	·190	·183	98	78	Calm 0	NNW 1	10	2	—	≋ before *9a.* ∞ ⌊_
26	·35	·30	29·1	34·1	26·9	39·9	0·9	2·2	·134	·153	85	78	Calm 0	ENE 0·5	1	7	—	⌊_. Sunny day.
27	·16	·07	33·4	34·4	25·2	36·2	1·6	1·5	·159	·169	83	85	SE 0·5	ESE 1	8	9	·010	
28	·06	·12	36·0	33·7	29·6	36·4	1·6	0·8	·182	·178	86	91	E 0·5	Calm 0	10	10	—	Overcast all day.
29	·27	·25	28·0	28·4	26·0	37·0	0·9	0·5	·125	·141	82	91	Calm 0	Calm 0	2	10	—	⌊_
30	·28	30·25	32·2	34·7	27·9	36·8	1·2	3·1	·155	·142	85	71	SE 0·5	ENE 0·5	6	10	—	
31	30·00	29·90	32·3	34·7	30·9	34·9	0·3	2·3	·177	·157	97	77	ESE 3	E 3	10	10	—	Overcast all day. ✳
Mean	29·868	29·854	35·2	36·3	30·9	40·9	1·0	1·2	·190	·195	89·9	89·0			8·4	9·4	2·520	

DUBLIN (PHŒNIX PARK).—DECEMBER 1890.

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	29·79	29·65	52·3	50·0	48·9	52·8	1·6	1·2	·337	·329	89	92	SW 1	Calm 0	8	7	·300	Dull and cloudy.
2	·56	·56	49·3	45·7	44·7	51·0	0·8	0·7	·331	·291	95	95	Calm 0	Calm 0	10	10	·560	Dull, with ●.
3	·61	·78	40·8	41·9	38·3	46·8	0·9	1·4	·236	·237	93	90	N 3	NNE 3	9	10	·260	Squally *a.* Dull, with ●.
4	·82	·71	41·1	43·4	38·3	45·2	2·6	2·4	·205	·230	80	81	NE 1	NE 2	9	6	·050	Cloudy day. ●² *p.*
5	·65	·74	43·0	41·8	40·1	44·5	2·9	2·9	·217	·207	79	79	ESE 1	E 2	9	8	—	Dull and cloudy.
6	·83	·94	40·9	40·4	39·1	42·9	3·3	4·3	·192	·171	76	68	ENE 2	ESE 2	9	8	—	
7	·95	·90	39·0	37·8	37·4	40·6	5·3	3·7	·145	·161	61	70	ESE 1	ESE 1	7	10	—	Dull and cloudy.
8	·86	·75	37·0	35·2	34·1	38·2	3·3	1·7	·160	·173	73	84	Calm 0	Calm 0	9	10	—	Dull and cloudy.
9	·85	·95	23·9	24·1	21·8	38·1	0·4	0·4	·114	·115	89	89	Calm 0	Calm 0	1	1	—	Beautiful day.
10	·99	·89	33·2	44·2	22·3	44·7	1·2	1·0	·165	·268	87	93	Calm 0	SE 1	9	9	·005	
11	·81	·80	47·2	45·5	40·7	48·6	2·5	1·1	·266	·280	83	92	SE 2	SE 1	9	9	—	Cloudy day.
12	·92	·93	39·0	39·8	32·2	46·0	1·5	0·9	·209	·227	88	93	Calm 0	Calm 0	2	10	—	Beautiful day.
13	·78	·68	29·9	40·1	25·8	40·8	0·6	1·6	·150	·216	90	87	Calm 0	SE 1	2	1	—	
14	·81	·84	35·5	39·2	30·0	42·0	0·6	2·1	·197	·199	95	83	Calm 0	WSW 1	8	8	—	
15	·69	·56	39·5	40·2	38·1	43·3	1·8	1·7	·207	·215	86	87	W 1	E 1	8	1	·040	Cloudy, with ● showers.
16	·67	·71	34·2	36·8	33·5	41·1	2·5	3·1	·148	·163	76	75	NE 1	E 1	8	7	—	
17	·81	·76	33·9	36·2	31·1	37·5	1·9	2·7	·157	·165	80	77	Calm 0	SE 1	9	8	—	Cloudy *a.*
18	·46	·03	37·4	39·2	31·8	41·7	2·4	1·6	·178	·208	80	87	SE 1	SE 3	9	7	·230	Dull and cloudy. Squally 🌂 ●² *p.*
19	·09	·33	34·4	27·2	25·3	40·7	0·5	0·3	·113	·134	87	94	Calm 0	Calm 0	4	7	—	Beautiful day from *11a.*
20	29·69	29·91	24·3	26·4	21·1	31·2	0·5	0·3	·113	·134	87	94	Calm 0	Calm 0	1	1	—	Beautiful day.
21	30·15	30·15	23·5	23·9	16·7	38·7	0·3	0·3	·115	·118	92	92	Calm 0	Calm 0	1	1	—	Beautiful day.
22	29·96	29·68	41·2	45·9	23·1	46·8	1·3	3·2	·231	·240	90	78	SE 1	SE 1	8	6	·050	Dull and cloudy. ●² *p.*
23	29·70	29·98	42·3	38·4	35·2	47·4	0·9	0·9	·251	·214	93	93	Calm 0	Calm 0	9	1	—	Cloudy *a.*
24	30·18	30·14	28·7	32·5	26·4	41·5	0·4	0·7	·146	·170	93	91	Calm 0	Calm 0	1	7	—	Beautiful day.
25	·03	·14	40·4	34·1	29·8	41·1	2·0	1·1	·211	·175	84	88	SW 1	WNW 1	10	1	·040	Cloudy, with ● showers till *3p.* ▲
26	·28	·24	31·3	37·9	27·9	40·9	0·8	1·6	·157	·197	89	87	Calm 0	Calm 0	4	7	·100	●⁰ ▲ ✳ ● (sleet) from *5p.*
27	·11	·07	35·6	36·2	32·7	38·7	1·4	2·5	·183	·168	87	79	E 1	E 1	6	5	·060	●⁰ ▲ ⁰ ✳ ● (sleet) showers till *7a.*
28	·01	·07	35·4	36·0	34·5	37·9	1·9	2·7	·171	·163	83	76	E 1	E 1	8	8	—	Dull and cloudy. [✳ ▲ showers
29	·20	·16	36·5	36·9	33·2	38·1	1·8	1·4	·183	·193	84	89	E 1	NE 2	9	9	—	Dull and cloudy.
30	30·21	30·17	36·7	36·8	34·6	37·7	1·6	1·1	·187	·191	86	91	E 3	E 3	8	8	·035	Cloudy, with squally 🌂.
31	29·97	29·89	29·1	36·8	27·7	38·0	0·2	1·8	·155	·184	96	85	E 2	E 2	9	10	—	✳ ▲ showers *1a.*—*3a.* Dull and cloudy.
Mean	29·853	29·841	36·6	37·7	32·1	42·1	1·6	1·7	·190	·198	85·7	85·8			0·8	1·0	7·1	6·5	1·730	

PARSONSTOWN (BIRR CASTLE).—DECEMBER 1890.

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	29·75	29·60	49·5	50·0	48·0	53·6	1·6	0·9	·314	·337	89	94	Calm 0	Calm 0	2	10	·215	Dull and mild. ∞ in evening.
2	·55	·58	49·1	46·7	45·8	50·6	0·6	1·0	·334	·295	96	93	Calm 0	Calm 0	10	10	·550	Dull day, with ●².
3	·64	·76	42·8	39·5	38·1	46·7	5·1	2·6	·179	·192	64	79	WNW 2	NNW 1	8	10	—	Fine but cold. ∞ i evening.
4	·82	·71	30·7	36·0	29·1	40·9	1·1	1·1	·145	·191	84	90	Calm 0	Calm 0	4	9	·030	⌊_ *a.* Bright but cool. ≋⁰ (mist).
5	·61	·71	40·8	39·1	34·8	42·5	1·0	2·0	·233	·200	92	84	Calm 0	Calm 0	10	10	—	Dull and cold, with ∞.
6	·78	·87	40·5	39·4	36·4	41·5	2·7	3·2	·199	·181	79	75	NE 1	NE 1	10	10	—	Cold, with ∞.
7	·90	·85	35·9	35·3	30·4	40·1	3·8	3·2	·145	·148	68	71	SE 1	NE 1	0	9	—	⌊_ *a.* Fine and bright. ∞ in evening.
8	·80	·72	34·0	33·3	32·8	36·5	2·8	1·6	·142	·158	73	83	SE 1	Calm 0	0	10	—	⌊_ *n.* Fine but cold, with ∞.
9	·83	·90	28·4	25·3	24·6	36·1	0·6	0·4	·138	·127	89	90	Calm 0	Calm 0	0	0	—	⌊_ *n.* and *a.* Fine and bright, but cold.
10	·96	·82	27·0	39·1	21·0	40·5	0·2	0·8	·140	·223	96	93	SE 1	SE 1	5	0	·180	⌊_²*n.* Fine and bright, but cold. ≋⁰
11	·74	·72	45·1	46·5	38·0	47·9	0·6	1·4	·286	·283	95	91	SE 1	SE 1	10	10	·460	∞²*n.* Dull, with ●². [(mist).
12	·89	·88	41·9	33·7	33·7	47·0	1·3	0·8	·238	·178	90	91	Calm 0	Calm 0	10	0	—	∞ *a.* Fine day. ≋⁰ (mist).
13	·70	·59	36·1	39·7	29·3	46·7	1·3	2·6	·188	·194	88	79	SE 1	SE 1	9	4	—	⌊_ *n.* Dull, with cold wind and ∞.
14	·77	·84	38·1	38·3	35·2	44·7	2·2	1·2	·187	·207	81	90	Calm 0	Calm 0	4	8	—	⌊_ *n.*, ∞ *a.* and *p.* Day fine and bright.
15	·72	·53	40·5	37·1	36·1	43·3	1·8	0·9	·215	·203	86	92	Calm 0	Calm 0	10	6	·056	Dull, with ∞. ● showers *p.*
16	·63	·68	34·9	26·7	26·5	40·5	1·5	0·7	·173	·119	85	85	Calm 0	Calm 0	7	3	—	Fine and mild, with ∞.
17	·6	29·67	23·7	31·7	22·1	33·9	0·4	2·0	·114	·134	89	75	Calm 0	SE 2	3	0	—	⌊_ *n.* Fine and bright, but cold.
18	·30	28·96	39·9	38·7	29·0	43·5	2·0	0·8	·206	·219	84	93	SE 3	WNW 4	10	10	·245	⌊_ *n.* ≋⁰ (mist) *a.* Dull and squally.
19	·12	29·29	31·7	29·7	29·5	40·5	0·8	0·8	·160	·144	90	87	Calm 0	Calm 0	1	8	—	Dull and squally *n.* Bright day. ⌊_.
20	29·67	29·86	25·2	28·5	24·0	33·5	0·3	0·2	·126	·151	92	96	Calm 0	Calm 0	10	2	—	⌊_ *n.* Cold, with ≋².
21	30·10	30·06	21·7	33·5	18·8	33·5	0·0	1·0	·117	·154	100	81	Calm 0	SE 1	0	2	—	⌊_. Fine and bright. ≋⁰ (mist).
22	29·85	29·57	41·7	44·7	31·8	45·3	1·2	1·0	·238	·273	91	93	SSE 1	SSE 2	10	10	·088	⌊_ *n.* Dull and gloomy.
23	29·71	29·99	35·7	31·1	30·3	46·5	0·6	0·5	·198	·163	94	93	Calm 0	Calm 0	1	5	—	Fine and bright. ≋⁰ (mist).
24	30·17	30·09	25·7	24·6	23·2	31·5	0·4	0·4	·124	·129	90	89	Calm 0	Calm 0	0	4	—	Fine *a.* ⌊_ ≋² all day.
25	29·99	·16	36·5	30·1	24·0	40·7	0·7	0·5	·202	·154	94	92	Calm 0	Calm 0	10	0	—	Dull, with ∞.
26	30·30	30·23	24·0	25·4	21·8	34·3	0·2	0·5	·122	·127	95	92	Calm 0	Calm 0	0	0	—	⌊_². ∞ *a.* and *p.* Day clear.
27	30·09	29·99	26·7	33·7	21·0	34·7	0·7	1·4	·122	·165	85	85	Calm 0	SSE 1	9	0	—	⌊_ *n.* ∞ *a.* Dull, with ✳⁰. Fine *p.*
28	29·98	30·08	33·1	32·7	27·2	34·5	1·0	1·5	·168	·154	89	83	Calm 0	Calm 0	8	10	—	⌊_ *n.* Dull and cold, with ∞.
29	30·17	·14	30·3	34·4	28·0	34·6	0·5	2·3	·157	·155	93	77	Calm 0	NNE 2	10	10	—	Dull and cold, with ∞.
30	30·13	30·10	32·5	34·7	31·0	36·3	2·4	3·1	·136	·144	73	71	NE 1	NE 1	0	10	—	Day bright and cold, with ∞.
31	29·94	29·79	26·7	34·4	25·6	35·4	1·4	1·8	·103	·164	71	82	NE 1	NE 1	10	10	·112	✳² *n.* Dull and cold.
Mean	29·818	29·795	34·5	35·3	29·9	40·6	1·3	1·4	·179	·182	86·6	86·1			0·5	0·6	5·8	6·1	1·936	

Part II.—Monthly Summaries from Stations of the Second Order, 1890.

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-six 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 10 belong to the Royal Meteorological Society (distinguished by "M"). The list differs from that for 1889, by the addition of Edinburgh, Ladylaw near Hawick, and Parkstone near Bournemouth, and by the omission of Cramlington.

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

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

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

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

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

as one on which ·01 inch (or ·005 inch, as explained above) 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 by Beaufort's scale (or the equivalent velocity of 37 miles per hour by Robinson's anemometer) 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 180–181 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 182 will be found, as Part IV., a table giving the number of hours of bright Sunshine registered at various stations.

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

As previously mentioned, returns from the observatories or stations of the First Order in connexion with the Meteorological Office are included in this publication. These stations are Aberdeen, 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 and Stenness (Orkney)	W. Irvine Fortescue and M. Spence.
S Lairg	William Ross (for the Duke of Sutherland, K.G.).
S Dunrobin Castle	D. Melville „ „ „
S Gordon Castle	J. Webster (for the Duke of Richmond and Gordon, K.G.)
S Glencarron	D. D. Munro (for Lord M'Laren).
Aberdeen	Prof. C. Niven, M.A., F.R.S.
S Fort Augustus	Rev. W. Martin Wall (The Monastery).
S Braemar	James Aitken.
S Fort William	C. Livingston (for Directors Ben Nevis Observatory).
S Lednathie	William Morrison (for Stormonth Darling).
Laudale (Argyleshire)	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
S Dundee	W. Ross M'Kelvie (The Cemeteries).
S Ochtertyre	George Croucher (for Sir Patrick Keith Murray, Bart.).
S Callton Mor	J. Russell (for John Malcolm of Poltalloch, M.P.).
Edinburgh	R. C. Mossman, F.R.S.E., F.R.Met.Soc.
Glasgow	Prof. R. Grant, M.A., LL.D., F.R.S. (*the late*).
S Rosewell	R. W. D. Cameron, M.D.
S Rothesay (Isle of Bute)	James Kay.
S Marchmont	Peter Loney (for Sir Hugh P. Campbell, Bart.).
Ladylaw (Hawick)	Wm. R. Wilson.
S Wolfelee	William Cockburn (for Sir W. Elliott, K.S.I.).
S Pinmore (Ayrshire)	Peter Donald (for Captain Hamilton).
S Glenlee	W. Melville (for George Maxwell).
S 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.
M 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. W. Sidgreaves, S.J.
M 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*).
M Llandudno	J. Nicol, M.D., F.R.Met.Soc.
M Buxton	J. C. Thresh, M.D.
M Cheadle	J. C. Philips.
M Hillington (Norfolk)	Rev. H. Ffolkes, M.A., F.R.Met.Soc.
Uppingham	Rev. G. H. Mullins, M.A., F.R.Met.Soc.
M Churchstoke (Montgomeryshire)	P. Wright, F.C.S., F.R.Met.Soc.
Geldeston (Beccles)	E. T. Dowson, F.R.Met.Soc.
M Bennington	Rev. J. D. Parker, LL.D., F.R.Met.Soc.
M 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.
M Carmarthen	G. J. Hearder, M.D.
M 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).
M 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.
Parkstone (Bournemouth)	R. Hawkesworth Barnes, B.A., F.R.Met.Soc.
M Rousdon	C. E. Peek, M.A., F.R.A.S., F.R.Met.Soc.

Stations.	Observers.
M Dartmoor	F. W. S. Stone, M.R.C.S.
M Babbacombe (Torquay)	E. E. Glyde, F.R.Met.Soc.
Falmouth	E. Kitto, F.R.Met.Soc. (for the Royal Cornwall Polytechnic Society).
Londonderry	J. Conroy, F.R.Met.Soc.
S 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)	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, K.P., F.R.S.).
M 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 AND STENNESS

Swanbister, Long. 3° 8′ W. Lat. 58° 56′ N. Height above Mean Sea Level, 167 feet. Gravity Correction, + ·036.
Stenness, „ 3° 13′ W. „ 58° 59′ N. „ „ 124 feet. „ „ + ·036.

1890.	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 -	29·249	40·7	40·6	40·7	36·7	42·3	29·0	23rd	52·0	—	1·6	1·6	1·6	·224	·222	·223	87·1	87·2	87·2
February -	30·033	39·4	38·9	39·2	35·5	43·5	29·0	27, 28	49·0	—	1·6	1·4	1·5	·212	·211	·212	87·2	88·7	88·0
March -	29·413	40·7	39·3	40·0	34·2	47·0	23·0	9th	57·0	—	1·9	1·5	1·7	·218	·213	·216	85·1	87·1	86·1
April -	29·633	48·0	43·0	45·5	37·7	48·1	30·0	—	56·0	—	3·0	2·6	2·8	·243	·223	·233	75·4	78·6	77·0
May -	29·707	55·5	49·5	52·0	42·5	55·4	36·0	—	64·0	—	2·9	2·5	2·7	·312	·280	·296	80·0	84·0	82·0
June -	29·680	55·9	52·9	54·4	46·7	56·9	38·0	—	63·0	—	2·9	2·4	2·6	·314	·330	·322	85·0	86·0	85·5
July -	29·650	55·1	53·1	54·1	47·9	57·8	42·0	—	66·0	—	2·1	2·1	2·1	·348	·318	·333	84·0	84·0	84·0
August -	29·680	53·8	51·8	52·8	47·3	57·0	41·0	—	63·0	—	1·8	2·0	1·4	·342	·346	·344	86·0	90·0	88·0
September	29·784	55·1	53·3	54·2	50·1	59·0	42·3	30th	65·0	—	2·2	1·9	2·1	·375	·359	·367	85·7	87·4	86·6
October -	·687	47·7	47·4	47·6	43·1	52·7	30·0	27th	57·0	—	2·4	2·1	2·3	·282	·284	·283	82·9	84·9	83·9
November	·529	43·3	42·9	43·1	38·4	46·0	28·0	23rd	54·8	19th	2·2	2·0	2·1	·237	·235	·236	83·8	84·4	84·1
December	29·948	39·3	39·0	39·2	35·8	42·2	32·0	19, 26	54·8	1st	2·1	2·2	2·2	·203	·198	·201	83·1	82·4	82·8
Year -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

LAIRG

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

	ins.	°	°	°	°	°	°				°	°	°	in.	in.	in.	%	%	%
January -	29·118	38·3	38·9	38·6	32·8	45·2	15·0	23rd	53·5	16th	1·8	1·9	1·9	·196	·200	·198	85	85	85
February -	·860	35·0	35·6	35·3	30·9	43·5	18·0	15th	53·5	7th	1·0	1·0	1·0	·184	·191	·188	90	91	91
March -	·275	40·3	36·9	38·6	30·9	46·7	13·0	9th	56·0	16th	2·3	1·2	1·8	·204	·196	·200	82	90	86
April -	·452	42·2	39·4	40·8	34·0	49·7	22·0	13th	62·0	2nd	2·8	1·6	2·2	·212	·210	·211	80	87	84
May -	·493	51·6	48·5	50·1	41·9	59·0	33·5	2nd	75·5	24th	3·8	3·0	3·4	·288	·270	·279	76	80	78
June -	·478	53·7	51·2	52·5	45·2	58·3	28·0	8th	65·2	10th	4·1	2·6	3·4	·305	·311	·308	74	83	79
July -	·404	53·5	51·3	52·4	45·0	59·2	37·0	19th	69·0	26th	2·2	2·4	2·3	·348	·318	·333	85	83	84
August -	·416	54·9	51·5	53·2	46·6	60·1	34·5	31st	71·5	7th	3·0	2·1	2·6	·349	·326	·338	80	86	83
September	·586	56·0	53·4	54·7	47·2	62·7	39·5	29th	78·0	7th	2·9	2·1	2·5	·368	·350	·359	82	86	84
October -	·518	46·5	46·7	46·6	41·4	52·2	25·0	26th	63·8	13th	1·5	1·6	1·6	·281	·281	·281	89	89	89
November	·302	39·4	39·8	39·6	34·7	45·1	19·0	27th	57·2	19th	1·2	1·1	1·2	·218	·223	·221	91	92	92
December	29·712	33·9	34·1	34·0	29·2	38·9	21·5	21st	55·5	1st	1·1	1·1	1·1	·173	·175	·174	88	88	88
Year -	29·468	45·4	43·9	44·7	38·3	51·7	—	—	—	—	2·3	1·8	2·1	·261	·254	·258	83·5	86·7	85·1

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 -	29·467	41·3	41·1	41·2	35·9	47·9	26·4	24th	54·3	16th	2·1	2·2	2·2	·220	·216	·218	83·7	82·6	83·2
February -	30·203	39·2	38·3	38·8	34·2	44·8	28·3	8th,15th	54·5	23rd	2·3	2·5	2·4	·197	·185	·191	81·3	78·8	80·1
March -	29·619	42·8	41·0	41·9	35·5	48·9	23·7	9th	59·7	12th	2·7	2·1	2·4	·223	·216	·220	80·4	82·4	81·4
April -	·800	44·5	42·7	43·6	38·9	49·7	28·7	14th	59·4	4th	2·6	2·5	2·6	·240	·223	·232	81·9	80·8	81·4
May -	·859	52·1	49·3	50·7	45·0	56·4	37·7	30th	65·5	24th	3·1	2·2	2·7	·313	·301	·307	79·9	84·6	82·3
June -	·825	54·8	52·6	53·7	48·3	59·0	37·6	8th	64·9	16th	3·9	2·8	3·4	·328	·326	·327	76·2	82·1	79·2
July -	·750	55·9	53·2	54·6	48·7	60·2	43·6	12th	68·6	30th	4·9	3·2	4·1	·319	·324	·322	71·0	79·4	75·2
August -	·776	56·1	52·9	54·5	49·4	60·9	40·8	30th	69·4	16th	4·0	2·2	3·1	·342	·345	·344	75·4	85·3	80·4
September	·938	56·1	55·0	55·6	49·7	62·5	41·2	6th	68·9	4, 7, 8	3·2	3·0	3·1	·362	·352	·357	80·3	81·0	80·7
October -	·865	48·6	48·2	48·4	42·8	53·8	29·0	28th	62·0	13th	2·6	2·2	2·4	·288	·292	·290	82·1	85·0	83·6
November	29·693	42·9	42·0	42·5	37·6	46·5	25·3	27th	57·0	19th	2·4	2·4	2·4	·230	·220	·225	82·2	81·9	82·1
December	30·070	38·1	39·0	38·6	33·9	42·4	26·0	18th	56·3	1st	1·5	2·0	1·8	·205	·201	·203	87·0	83·7	85·4
Year -	29·822	47·7	46·3	47·0	41·7	52·8	—	—	—	—	2·9	2·4	2·7	·272	·267	·270	80·1	82·3	81·2

SWANBISTER AND STENNESS.

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

1890.	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.
January -	6·0	5·8	6·0	ins. 4·060	ins. ·500	24th	22	4	0	3	2	7	17	3	1	0	2	21	19	7	7	2
February -	5·2	5·4	5·3	1·570	·460	28th	17	5	0	0	6	7	11	5	1	4	10	12	5	9	4	6
March -	5·5	5·3	5·4	4·160	·630	10th	22	6	0	0	6	7	12	5	1	2	10	9	11	9	13	2
April -	6·2	6·1	6·2	1·350	·320	—	12	4	0	0	3	0	3	13	1	8	11	3	5	7	4	8
May -	6·2	5·6	5·9	2·200	·400	—	15	0	0	0	5	1	1	5	8	15	13	5	3	0	7	6
June -	7·6	7·5	7·6	3·200	·500	—	18	0	0	0	0	12	4	8	3	10	5	5	6	13	5	5
July -	8·1	6·7	7·4	3·860	2·000	4th	18	0	0	0	0	0	1	11	4	0	2	5	5	13	16	6
August -	6·9	6·2	6·8	3·850	0·830	—	20	0	0	0	4	8	0	6	3	4	7	7	3	9	12	11
September	7·0	5·1	6·1	2·000	·630	30th	17	0	1	0	3	7	8	0	0	0	10	15	7	18	4	6
October -	6·7	7·2	7·0	5·530	1·300	2nd	23	3	0	0	1	15	18	13	3	1	2	6	8	20	6	3
November	6·1	6·3	6·2	7·140	·900	6th	22	1	0	1	3	7	14	4	1	3	7	22	9	8	6	0
December	7·2	6·1	6·7	1·780	·270	14th	13	2	1	0	3	11	7	3	3	2	19	21	5	4	2	3
Year -	—	—	—	—	—	—	214	—	—	—	—	—	96	76	29	49	98	131	86	117	86	58

LAIRG.

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

January -	6·0	5·9	6·0	ins. 3·800	ins. ·580	9th	23	4	0	3	2	7	2	8	5	13	11	2	8	10	3	2
February -	5·0	5·4	5·2	2·220	·800	15th	15	5	0	0	6	7	0	13	7	17	1	0	1	4	6	7
March -	5·5	5·3	5·4	3·530	·750	7th	23	6	0	0	6	7	0	18	3	18	2	0	6	11	3	1
April -	6·2	6·1	6·2	2·640	·620	22nd	20	4	0	0	3	9	1	13	2	21	5	0	6	7	2	4
May -	6·2	5·6	5·9	1·140	·180	16th	13	0	0	0	5	8	0	4	4	28	7	2	4	5	4	4
June -	7·6	7·5	7·6	3·110	·660	27th	26	0	0	0	0	12	0	1	7	10	7	1	6	19	7	2
July -	8·1	6·7	7·4	2·450	·530	12th	23	0	0	0	0	9	0	10	6	5	2	1	10	18	8	2
August -	6·9	6·7	6·8	3·060	·700	26th	26	0	0	1	2	14	0	0	3	18	4	3	9	16	6	3
September	6·9	5·3	6·1	1·800	·470	25th	19	0	0	0	4	8	0	0	0	4	22	1	6	15	7	5
October -	7·5	7·8	7·7	6·000	1·380	2nd	28	2	0	0	1	11	0	10	5	5	2	1	11	18	8	2
November	6·1	6·6	6·4	5·960	1·070	6th	26	2	0	0	2	11	0	10	3	29	3	0	2	8	3	2
December	5·6	6·0	5·8	1·060	·350	22nd	14	1	0	0	4	8	1	5	6	33	7	0	4	0	3	4
Year -	6·5	6·2	6·4	36·770	—	—	256	24	0	4	35	111	4	92	51	201	73	11	73	131	60	38

DUNROBIN CASTLE.

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

January -	—	—	—	ins. 3·320	ins. ·540	29th	18	2	0	0	—	—	—	12	3	2	1	4	3	25	12	—
February -	—	—	—	1·450	·480	15th	6	3	0	0	—	—	—	7	9	6	12	7	3	9	3	—
March -	—	—	—	4·780	1·250	10th	15	2	0	0	—	—	—	11	4	3	12	8	7	14	3	—
April -	—	—	—	2·270	·480	25th	12	1	1	0	—	—	—	2	7	3	10	15	10	9	4	—
May -	—	—	—	1·420	·420	16th	10	1	0	0	—	—	—	5	4	8	16	11	7	7	4	—
June -	—	—	—	3·090	·640	3rd	16	0	0	0	—	—	—	4	5	6	11	8	12	10	4	—
July -	—	—	—	2·640	·780	12th	18	0	0	0	—	—	—	6	7	2	5	6	13	8	15	—
August -	—	—	—	3·460	·870	26th	16	0	0	0	—	—	—	4	6	21	13	2	11	1	4	—
September	—	—	—	2·720	1·300	30th	11	0	0	0	—	—	—	1	6	4	18	5	15	5	6	—
October -	—	—	—	5·710	1·120	2nd	21	2	0	0	—	—	—	6	14	2	6	1	10	8	15	—
November	—	—	—	3·470	·970	6th	14	1	0	0	—	—	—	8	10	0	10	3	4	2	23	—
December	—	—	—	0·710	·290	26th	7	1	0	0	—	—	—	14	9	4	10	7	8	4	6	—
Year -	—	—	—	35·040	—	—	164	13	1	0	—	—	—	80	84	61	124	77	105	102	99	—

GORDON CASTLE

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

1890.	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 -	29·379	42·1	41·8	42·0	36·3	48·4	23·2	23rd	58·5	7th	3·3	3·2	3·3	·203	·202	·203	76	80	78
February -	30·097	38·8	38·4	38·6	34·1	44·8	26·0	15th	53·1	3rd	2·7	2·3	2·5	·185	·188	·187	79	82	81
March -	29·549	42·2	40·7	41·5	34·9	49·9	23·0	2nd	58·1	12th	2·7	2·4	2·6	·214	·206	·210	81	81	81
April -	·714	46·0	43·1	44·6	36·0	52·8	26·2	13th	65·6	2nd	4·6	3·4	4·0	·214	·209	·212	69	75	72
May -	·762	53·9	50·3	52·1	43·1	61·3	34·0	2nd	77·0	24th	4·9	3·6	4·3	·289	·277	·283	69	76	73
June -	·743	57·4	52·5	55·0	46·8	62·5	35·1	8th	70·0	23rd	5·6	3·3	4·5	·319	·309	·314	67	78	73
July -	·650	56·3	53·7	55·0	46·6	63·2	40·5	10th	72·0	26th	4·5	3·3	3·9	·331	·324	·328	72	78	75
August -	·672	57·8	53·6	55·7	47·4	64·4	39·9	30th	74·6	4th	3·8	2·4	3·1	·369	·344	·357	77	83	80
September	·854	59·1	54·9	57·0	49·0	65·8	40·1	30th	77·0	7th	4·5	3·1	3·8	·369	·347	·358	73	80	77
October -	·764	49·3	48·5	48·9	43·3	54·7	31·4	26th	66·5	12th	3·1	3·1	3·1	·277	·268	·273	78	79	79
November	·603	41·2	41·4	41·3	37·2	47·4	21·5	27th	58·0	19th	2·1	1·8	2·0	·215	·224	·220	84	87	86
December	29·966	37·1	37·4	37·3	33·1	41·0	25·0	22nd	59·0	1st	2·3	1·8	2·1	·178	·189	·184	80	85	83
Year -	29·729	48·4	46·4	47·4	40·7	54·7	—	—	—	—	3·7	2·8	3·3	·264	·257	·261	75·4	80·3	77·9

GLENCARRON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	28·932	41·0	40·9	41·0	34·9	45·4	17·3	23rd	55·7	16th	2·3	2·3	2·3	·210	·209	·210	82	83	83
February -	29·640	37·5	37·7	37·6	33·0	43·9	24·0	10th	51·5	30th	2·1	1·8	2·0	·184	·192	·188	82	84	83
March -	·087	39·8	39·0	39·4	33·6	46·1	21·0	9th	57·2	16th	2·2	1·7	2·0	·202	·205	·204	83	86	85
April -	·253	43·6	41·1	42·4	34·8	50·6	26·7	13th	59·6	2nd	3·8	2·5	3·2	·206	·207	·207	73	80	77
May -	·292	52·6	48·9	50·8	43·0	60·2	34·2	31st	76·7	24th	4·7	3·1	3·9	·280	·274	·277	71	80	76
June -	·300	51·8	50·4	51·1	45·7	57·4	33·6	8th	66·4	10th	3·3	2·7	3·0	·302	·298	·300	78	82	80
July -	·238	52·4	50·2	51·3	45·5	57·5	40·0	8th	63·1	19th	3·3	2·1	2·7	·309	·310	·310	79	86	83
August -	·253	53·9	51·6	52·8	47·3	59·1	36·5	31st	73·0	8th	2·7	2·2	2·5	·340	·325	·333	82	85	84
September	·406	55·7	53·7	54·7	48·9	61·6	39·4	30th	75·9	13th	3·2	3·2	3·2	·356	·327	·342	80	79	80
October -	·370	46·4	47·1	46·8	42·1	51·6	27·5	28th	58·9	12th	1·6	1·7	1·7	·278	·283	·281	89	88	89
November	·147	39·9	40·9	40·4	35·2	46·3	21·0	27th	55·4	19th	1·6	1·9	1·8	·214	·216	·215	87	85	86
December	29·510	34·7	34·9	34·8	29·9	39·2	22·4	17th	52·1	1st	1·5	1·7	1·6	·172	·169	·171	85	83	84
Year -	29·286	45·8	44·7	45·3	39·5	51·6	—	—	—	—	2·7	2·2	2·5	·254	·251	·253	80·9	83·4	82·2

ABERDEEN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·449	40·9	40·5	40·7	36·7	45·3	20·8	23rd	53·1	31st	2·2	2·0	2·1	·211	·212	·212	84	84	84
February -	30·153	38·5	38·9	38·7	35·5	42·7	29·4	28th	51·2	23rd	2·1	2·4	2·3	·192	·191	·192	83	82	83
March -	29·557	41·4	40·4	40·9	36·4	46·6	24·0	9th	60·1	12th	2·6	2·2	2·4	·207	·207	·207	81	83	82
April -	·718	43·9	42·3	43·1	37·3	48·5	27·9	13th	56·5	30th	3·3	2·8	3·1	·217	·213	·215	76	80	78
May -	·776	49·7	47·6	48·7	43·9	53·9	37·3	30th	68·0	22nd	2·5	1·9	2·2	·295	·285	·290	83	87	85
June -	·772	55·6	53·3	54·5	46·7	59·8	37·3	8th	69·4	23rd	5·0	3·4	4·2	·312	·317	·315	70	77	74
July -	·674	55·3	54·0	54·7	48·6	60·6	41·6	11th	69·3	21 30th	4·2	3·2	3·7	·325	·329	·327	74	79	77
August -	·698	56·4	53·7	55·1	49·9	61·0	40·0	30th	73·8	5th	3·6	2·3	3·0	·355	·349	·352	78	85	82
September	·898	57·1	55·1	56·1	50·7	62·4	39·0	1st	72·9	8th	3·4	2·5	3·0	·368	·364	·366	79	84	82
October -	·792	48·5	47·1	47·8	43·2	53·9	32·1	27, 28	68·0	10th	2·8	2·4	2·6	·274	·267	·271	81	83	82
November	29·637	41·7	41·7	41·7	36·9	46·4	23·5	28th	56·6	19th	2·2	1·9	2·1	·219	·225	·222	84	86	85
December	30·012	37·9	38·2	38·1	34·7	41·1	18·4	21st	53·6	1st	2·4	2·6	2·5	·183	·181	·182	80	79	80
Year -	29·761	47·2	46·1	46·7	41·7	51·9	—	—	—	—	3·0	2·5	2·8	·263	·262	·263	79·4	82·4	80·9

GORDON CASTLE.

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

1890.	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 -	—	—	—	2·320	—	—	16	2	0	0	—	—	8	0	0	0	6	12	28	12	4	0
February -	—	—	—	0·980	—	—	9	2	2	0	—	—	1	2	2	1	19	7	16	2	7	0
March -	—	—	—	2·670	—	—	12	2	2	0	—	—	1	1	10	3	6	12	15	10	5	0
April -	—	—	—	0·760	—	—	11	0	5	0	—	—	2	4	3	4	16	2	12	4	15	0
May -	—	—	—	0·960	—	—	9	0	2	1	—	—	0	4	15	3	21	5	5	1	8	0
June -	—	—	—	2·380	—	—	19	0	2	2	—	—	3	4	4	0	11	2	18	8	13	0
July -	—	—	—	2·860	—	—	19	0	0	0	—	—	4	8	12	0	6	2	11	8	15	0
August -	—	—	—	3·830	—	—	19	0	0	0	—	—	0	5	7	0	8	5	13	8	16	0
September	6·2	5·0	5·6	1·240	·300	19th	12	0	0	0	3	3	2	1	1	1	17	8	19	7	6	0
October -	7·3	7·0	7·2	5·140	1·270	1st	22	0	2	0	0	12	6	1	2	0	3	8	21	9	18	0
November	6·3	7·2	6·8	4·150	·640	9th	22	2	0	0	1	10	3	0	0	0	16	9	23	5	7	0
December	7·0	6·2	6·6	1·380	·620	4th	12	2	1	0	3	12	4	3	10	2	22	10	9	0	6	0
Year -	—	—	—	28·670	—	—	182	10	16	3	—	—	34	33	66	14	151	82	190	74	120	0

GLENCARRON.

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

				ins.	ins.																	
January -	—	—	—	16·500	1·310	25th	30	0	0	0	—	—	0	3	0	8	0	1	0	49	1	0
February -	8·0	6·7	7·4	2·120	·650	1st	16	0	0	0	3	14	0	10	0	25	0	0	0	19	0	2
March -	7·9	7·7	7·8	13·120	3·710	10th	25	0	0	0	1	21	0	4	0	15	0	1	0	41	0	1
April -	6·4	6·5	6·5	4·400	1·390	6th	14	0	0	0	3	11	0	8	0	25	1	4	0	19	1	2
May -	6·7	5·5	6·1	2·850	·500	30th	14	2	0	0	4	10	0	2	1	37	0	1	0	18	0	3
June -	8·6	8·3	8·5	7·610	1·660	2nd	24	0	0	0	1	22	0	2	1	18	0	0	1	38	0	0
July -	8·9	8·3	8·6	8·910	1·210	27th	26	0	0	1	1	23	0	4	0	14	0	1	0	42	0	1
August -	8·0	8·0	8·0	9·420	1·450	16th	24	0	0	1	2	19	0	4	1	15	0	0	0	42	0	0
September	7·0	7·3	7·2	8·840	3·150	25th	19	0	0	0	4	17	0	1	0	11	0	4	0	43	0	1
October -	8·9	9·1	9·0	23·110	5·900	2nd	29	0	0	0	0	27	0	2	0	7	0	0	0	53	0	0
November	7·5	8·7	8·1	10·620	1·670	22nd	26	0	0	0	2	21	2	12	1	8	1	1	0	34	0	3
December	6·6	5·6	6·1	2·280	·560	19th	13	0	0	0	9	14	0	3	2	34	0	0	0	23	0	0
Year -	—	—	—	109·780	—	—	260	2	0	2	—	—	2	55	6	217	2	13	1	421	2	13

ABERDEEN.

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

	10a.m.	10p.m.		10.a.m. ins.	ins.																	
January -	5·8	5·0	5·4	2·055	·510	9th	20	1	0	0	3	4	4	1	0	0	5	26	16	8	2	4
February -	6·8	7·0	6·9	0·945	·480	15th	13	4	1	0	3	13	2	2	0	2	13	14	5	4	9	7
March -	6·0	6·2	6·1	2·955	·635	7th	18	6	2	0	0	5	3	4	0	4	10	11	11	6	10	6
April -	6·1	5·4	5·8	1·460	·260	24th	23	4	8	0	3	6	1	0	0	4	11	7	8	4	19	7
May -	6·9	7·0	7·0	3·315	·810	11th	19	0	1	0	2	12	0	10	3	6	10	6	4	6	6	11
June -	7·2	6·7	7·0	1·713	·190	3rd	23	0	0	3	0	9	0	2	3	4	8	12	10	4	11	6
July -	7·7	7·8	7·8	2·813	1·370	7th	21	0	0	1	0	13	0	5	3	2	5	14	4	9	15	5
August -	7·2	6·5	6·9	2·790	·410	25th	27	0	0	3	1	8	0	4	3	6	3	9	9	8	10	10
September	6·0	5·9	6·0	1·760	·700	30th	11	0	0	0	4	6	0	0	0	1	12	14	7	4	5	17
October -	5·8	6·7	6·3	3·730	·570	1st	18	3	1	0	0	7	2	1	0	0	2	7	14	15	10	13
November	5·9	6·7	6·3	5·525	1·270	6th	23	2	3	0	1	7	3	0	0	5	9	16	6	9	8	7
December	7·5	6·9	7·2	2·843	·770	2nd	21	6	5	1	1	14	1	3	1	11	16	14	4	6	4	3
Year -	6·6	6·5	6·6	32·504	—	—	237	26	21	8	18	104	16	32	13	45	104	150	98	83	109	96

FORT AUGUSTUS

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·430	40·8	41·5	41·2	36·0	46·7	20·9	23rd	54·6	16th	1·6	2·0	1·8	·221	·221	·221	88	85	86
February -	30·143	37·1	38·1	37·6	33·3	44·3	20·8	15th	52·8	23rd	1·8	2·0	1·9	·186	·191	·189	84	83	84
March -	29·571	40·5	40·8	40·7	34·5	47·5	20·5	3rd	56·1	16th	2·2	1·9	2·1	·208	·216	·212	82	85	84
April -	·736	43·1	43·9	43·5	35·4	51·8	23·6	13th	62·0	2nd	3·4	3·6	3·5	·209	·212	·211	75	74	74
May -	·760	49·2	50·4	49·8	43·7	57·4	35·2	2nd	66·5	22nd	2·7	3·4	3·1	·285	·282	·284	82	78	80
June -	·771	53·5	53·1	53·3	47·2	59·5	33·9	8th	65·5	22nd	3·3	3·2	3·3	·321	·319	·320	78	78	78
July -	·701	53·8	54·0	53·9	47·7	60·8	38·1	17th	68·0	21st	3·3	2·9	3·1	·325	·337	·331	78	81	80
August -	·706	55·0	54·0	54·5	48·8	61·1	35·1	29th	71·8	10th	2·8	2·4	2·6	·354	·350	·352	82	84	83
September	·881	56·9	55·1	56·0	49·9	64·0	40·7	13th	**74·5**	**13th**	3·1	3·3	3·2	·373	·343	·358	81	79	80
October -	·850	47·6	48·1	47·9	42·9	53·8	27·7	28th	62·3	11th	1·9	1·9	1·9	·284	·289	·287	87	86	86
November	29·638	40·8	41·4	41·1	35·4	47·0	**18·0**	**27th**	56·0	19th	1·8	1·7	1·8	·217	·226	·222	86	88	87
December	30·000	35·8	37·1	36·5	31·1	41·0	22·0	10th	53·9	2nd	1·3	1·9	1·6	·187	·185	·186	89	84	86
Year -	29·766	46·2	46·5	46·4	40·5	52·9	—	—	—	—	2·4	2·5	2·5	·264	·264	·264	82·7	82·1	82·4

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 -	28·328	37·9	37·7	37·8	32·9	43·9	14·0	23rd	51·7	7th	1·9	1·9	1·9	·194	·194	·194	83·5	83·9	83·7
February -	·974	32·1	33·1	32·6	28·2	41·6	11·8	15th	49·5	25th	1·3	1·4	1·4	·157	·162	·160	84·4	84·1	84·3
March -	·431	36·7	37·2	37·0	31·7	44·9	**9·7**	**2nd**	54·0	12th	2·1	1·8	2·0	·184	·192	·188	82·6	84·2	83·4
April -	·590	39·6	38·6	39·1	33·0	48·4	21·8	14th	59·3	3rd	2·8	2·3	2·6	·192	·190	·191	78·1	80·9	79·5
May -	·651	49·6	47·0	48·3	40·3	58·1	28·2	2nd	**73·0**	**25th**	3·8	2·9	3·4	·271	·261	·266	76·5	80·2	78·4
June -	·663	52·4	49·9	51·2	43·8	59·2	33·2	14th	65·3	15th	4·1	2·8	3·5	·293	·294	·294	74·2	81·5	77·9
July -	·583	52·6	50·8	51·7	45·7	59·2	36·8	26th	69·8	21st	4·1	2·7	3·4	·295	·306	·301	74·3	82·3	78·3
August -	·603	53·4	51·1	52·3	46·4	59·8	31·7	31st	72·2	5th	3·7	2·7	3·2	·317	·311	·314	77·1	82·2	79·7
September	·793	53·9	52·3	53·1	46·9	61·1	37·3	13th	72·2	7th	3·2	3·1	3·2	·336	·316	·326	80·3	80·4	80·4
October -	·717	45·2	45·6	45·4	40·5	51·2	28·4	27th	61·0	10th	2·0	2·3	2·2	·264	·261	·263	85·5	83·3	84·4
November	·520	36·5	37·5	37·0	31·6	42·8	10·0	27th	54·0	19th	1·7	1·7	1·7	·191	·199	·195	85·7	85·6	85·7
December	28·858	32·4	33·3	32·9	29·1	37·0	15·7	21st	51·8	1st	0·9	1·4	1·2	·168	·163	·166	89·5	83·7	86·6
Year -	28·643	43·5	42·8	43·2	37·5	50·6	—	—	—	—	2·6	2·3	2·5	·239	·237	·238	81·0	82·7	81·9

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 -	29·520	42·0	41·8	41·9	37·2	47·1	25·2	23rd	56·7	16th	1·8	1·8	1·8	·229	·227	·228	86	86	86
February -	30·194	37·9	38·1	38·0	34·9	44·4	27·0	15th	50·7	23, 24	1·9	2·0	2·0	·191	·191	·191	84	83	84
March -	29·646	40·7	40·6	40·7	36·2	48·4	21·2	2nd	55·1	31st	2·1	1·9	2·0	·211	·214	·213	84	86	85
April -	·791	44·5	43·5	44·0	36·4	60·0	26·0	13th	60·0	29th	3·8	3·5	3·7	·218	·210	·214	72	74	73
May -	·807	52·8	51·0	51·9	44·1	62·3	36·0	2nd	**79·0**	**24th**	4·0	3·6	3·8	·297	·285	·291	75	76	76
June -	·840	53·5	52·4	53·0	47·8	60·5	35·2	8th	67·8	10th	3·0	2·7	2·9	·329	·324	·327	80	82	81
July -	·764	54·6	53·1	53·9	47·9	62·2	38·8	17th	70·8	19th	3·6	2·6	3·1	·329	·334	·332	77	82	80
August -	·770	55·1	53·1	54·1	48·5	63·3	34·2	27th	73·6	9th	2·6	2·0	2·3	·361	·349	·355	83	86	85
September	·940	56·3	54·1	55·2	50·2	63·0	40·3	13th	72·6	15th	2·7	2·0	2·4	·377	·362	·370	83	86	85
October -	·916	48·0	48·1	48·1	43·6	53·7	28·2	26th	58·8	11th	1·5	1·7	1·6	·297	·294	·296	90	88	89
November	29·692	41·3	41·8	41·6	36·6	47·3	**20·2**	**27th**	55·6	2nd	2·0	1·6	1·8	·219	·231	·225	84	88	86
December	30·044	36·7	37·5	37·1	32·5	42·0	24·2	21st	53·7	1st	2·0	2·0	2·0	·181	·186	·184	83	83	83
Year -	29·827	47·0	46·3	46·7	41·3	54·5	—	—	—	—	2·6	2·3	2·5	·270	·267	·269	81·8	83·3	82·6

FORT AUGUSTUS.

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

1890.	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 -	7·7	7·3	7·5	10·870	1·540	25th	27	3	3	2	1	17	6	1	2	1	0	5	42	3	2	6
February -	6·7	6·5	6·6	0·660	·280	1st	9	3	0	0	3	9	2	2	6	3	1	6	15	3	3	17
March -	7·9	6·8	7·4	5·910	1·310	10th	23	5	0	0	1	15	2	2	6	2	0	6	26	6	0	14
April -	6·6	6·3	6·5	2·190	·650	6th	14	1	0	0	2	11	2	7	12	3	2	7	14	2	0	13
May -	7·7	6·1	6·9	1·790	·330	29th	16	2	2	2	2	12	0	6	22	6	4	3	8	4	1	8
June -	7·8	7·4	7·6	3·870	·670	27th	25	0	1	0	0	12	1	2	12	2	1	5	29	0	2	7
July -	8·6	7·4	8·0	4·740	1·350	13th	23	0	0	0	0	18	0	9	8	2	0	10	16	3	2	12
August -	7·6	7·7	7·7	3·160	·620	26th	21	0	0	0	0	14	1	1	14	2	0	6	18	1	0	20
September -	7·2	5·9	6·6	3·430	·810	30th	17	0	0	0	4	5	2	2	2	0	2	11	21	5	3	14
October -	8·1	7·3	7·7	6·780	**1·960**	**2nd**	24	1	0	0	1	8	0	5	1	0	0	8	26	4	3	15
November -	7·1	7·8	7·5	5·270	·710	22nd	25	2	0	0	4	7	4	3	0	0	3	10	18	3	1	22
December -	6·9	6·4	6·7	0·630	·200	2nd	12	3	1	0	3	7	1	2	17	2	1	4	19	0	1	16
Year -	7·5	6·9	7·2	49·300	—	—	236	20	7	4	21	135	21	42	102	23	14	81	252	34	18	164

BRAEMAR.

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

				ins.	ins.																	
January -	7·4	5·7	6·6	8·120	**1·510**	**18th**	24	4	0	2	0	7	2	1	2	0	0	0	50	3	6	0
February -	6·0	5·0	5·5	1·380	·510	15th	9	7	0	0	2	5	0	2	12	0	8	4	24	6	0	0
March -	6·7	6·2	6·5	3·320	·750	15th	17	4	0	1	1	6	2	2	12	1	5	2	32	1	7	0
April -	6·5	5·9	6·2	1·790	·340	21st	17	3	1	0	1	3	1	6	11	9	3	7	19	1	4	0
May -	6·8	6·6	6·7	2·160	·550	5th	18	0	0	0	1	8	0	4	13	5	12	7	17	1	3	0
June -	7·0	6·8	6·9	2·630	·550	3rd	17	0	0	0	0	5	1	0	12	2	1	2	37	2	4	0
July -	7·1	7·7	7·4	3·350	1·110	7th	22	0	0	0	0	6	0	6	11	4	2	1	27	2	9	0
August -	6·9	7·0	7·0	3·490	·950	12th	21	0	0	0	0	5	0	5	10	7	5	2	25	4	4	0
September	6·3	5·4	5·9	3·010	1·080	30th	16	0	0	0	2	4	0	0	0	1	5	4	45	4	1	0
October -	6·9	6·9	6·9	4·350	1·150	16th	21	1	0	0	0	8	0	0	6	1	3	0	38	6	8	0
November	6·6	7·2	6·9	5·030	1·320	6th	18	3	0	0	0	9	0	1	4	3	12	1	32	2	5	0
December	7·5	6·6	7·1	0·430	·090	4th	14	5	0	0	0	8	0	1	15	9	8	3	23	0	3	0
Year -	6·8	6·4	6·6	39·060	—	—	214	27	1	3	7	74	6	28	108	42	64	33	369	32	54	0

FORT WILLIAM.

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

				ins.	ins.																	
January -	8·8	8·7	8·8	19·670	2·470	14th	31	1	0	2	0	21	6	0	2	8	0	4	46	2	0	0
February -	7·0	5·2	6·1	1·670	·500	1st	12	1	0	0	5	8	1	2	10	16	8	4	14	2	0	0
March -	8·0	7·2	7·6	11·130	1·630	10th	28	1	0	0	8	20	2	3	9	8	0	7	31	4	0	0
April -	5·7	5·8	5·8	3·230	·820	7th	13	0	1	0	4	9	0	8	8	8	4	4	13	12	1	2
May -	6·2	6·2	6·2	2·660	·360	30th	20	1	0	5	4	11	0	6	17	1	7	10	5	14	1	1
June -	8·3	7·6	8·0	7·680	1·450	3rd	23	0	0	0	0	16	1	1	9	2	2	2	39	4	1	0
July -	8·6	7·9	8·3	7·690	1·860	13th	24	0	0	0	0	17	0	2	11	2	1	3	31	10	2	0
August -	7·8	7·8	7·8	6·220	1·390	4th	20	0	0	0	0	14	0	3	10	6	2	2	23	13	1	2
September	7·4	6·8	7·1	7·850	1·870	25th	20	0	0	2	2	15	0	0	3	3	5	6	38	2	0	3
October -	8·0	7·9	8·0	13·850	**3·580**	**2nd**	26	0	0	0	0	16	0	1	8	3	0	3	33	8	3	3
November	7·3	7·5	7·4	10·310	1·220	1st	27	1	0	0	1	16	0	2	15	3	9	4	21	2	4	0
December	5·9	5·8	5·9	1·290	·490	1st	10	1	0	0	4	8	0	2	18	13	15	4	10	0	0	0
Year -	7·4	7·0	7·2	93·250	—	—	254	6	1	9	28	171	10	30	120	73	53	53	394	73	13	11

LEDNATHIE

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

1890.	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 -	28·769	38·1	37·9	38·0	32·7	43·3	14·8	23rd	52·0	31st	1·8	1·5	1·7	·194	·199	·197	84	88	86
February -	29·438	33·7	33·6	33·7	28·1	41·2	15·3	15th	53·0	25th	1·3	1·4	1·4	·167	·164	·166	86	85	86
March -	28·864	38·8	38·9	38·9	32·7	46·3	17·0	3rd	58·0	12th	2·7	2·1	2·4	·185	·196	·191	79	84	82
April -	29·014	42·0	38·7	40·4	32·7	49·7	15·4	13th	60·0	2nd	3·4	2·2	2·8	·200	·193	·197	76	83	80
May -	·071	50·9	46·8	48·9	40·3	57·7	30·0	2nd	69·2	23rd	3·8	2·4	3·1	·279	·264	·272	76	83	80
June -	29·077	53·8	51·2	52·5	43·5	59·8	30·8	7th	66·2	22nd	4·3	2·8	3·6	·302	·307	·305	73	81	77
July -	28·994	54·1	51·5	52·8	44·7	61·2	37·0	26th	74·0	21st	4·3	2·7	3·5	·305	·312	·309	73	82	78
August -	29·012	54·7	49·9	52·3	45·5	61·1	35·0	31st	70·0	5th	3·1	1·8	2·5	·344	·313	·329	80	88	84
September	·207	55·7	51·2	53·5	45·5	62·6	35·0	10th	72·4	7th	2·8	1·7	2·3	·366	·333	·350	82	89	86
October -	29·118	46·9	45·5	46·2	40·5	53·2	29·4	27th	65·0	10th	2·9	2·4	2·7	·254	·250	·252	80	83	82
November	28·942	38·3	38·0	38·2	32·2	45·2	18·6	27th	55·2	19th	1·9	1·4	1·7	·194	·201	·198	84	88	86
December	29·294	33·3	32·9	33·1	29·2	37·2	18·8	22nd	51·2	1st	1·2	1·3	1·3	·166	·160	·163	87	85	86
Year -	29·067	45·0	43·0	44·0	37·3	51·5	—	—	—	—	2·8	2·0	2·4	·246	·241	·244	80·0	84·9	82·5

LAUDALE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·511	43·5	43·9	43·7	38·5	50·4	30·1	23rd	62·1	10th	2·4	2·3	2·4	·235	·241	·238	82·8	82·9	82·9
February -	30·182	40·0	39·8	39·9	35·3	45·1	29·4	28th	51·9	1st	2·3	2·3	2·3	·203	·202	·203	82·0	82·1	82·1
March -	29·642	42·7	42·2	42·5	36·4	48·9	26·6	2nd	58·8	12th	2·5	2·0	2·3	·226	·229	·228	80·7	84·0	82·4
April -	·787	45·7	44·1	44·9	37·8	53·0	29·5	13th	60·1	2nd	3·6	3·0	3·3	·232	·228	·230	75·0	78·4	76·7
May -	·797	54·8	51·9	53·4	45·7	61·2	39·4	31st	73·7	24th	4·5	3·3	3·9	·315	·308	·312	73·1	79·4	76·3
June -	·834	55·1	53·5	54·3	48·2	60·5	40·1	9th	68·1	9th	3·2	2·4	2·8	·348	·347	·348	80·0	84·3	82·2
July -	·771	55·6	53·2	54·4	48·7	61·7	41·3	17th	65·3	1, 20	2·9	2·1	2·5	·363	·349	·356	81·7	85·9	83·8
August -	·772	56·5	54·0	55·3	48·7	62·6	37·0	31st	72·4	9th	3·4	2·5	3·0	·365	·355	·360	79·9	84·6	82·3
September	·938	57·4	55·6	56·5	50·1	62·8	43·7	30th	71·5	7th	3·1	2·2	2·7	·385	·383	·384	81·2	86·2	83·7
October -	·927	49·5	49·7	49·6	43·8	56·2	31·0	26, 28	67·7	3rd	2·1	2·2	2·2	·310	·311	·311	85·5	85·2	85·4
November	29·692	43·2	43·5	43·4	38·3	49·8	26·0	27th	60·3	18th	2·3	2·0	2·2	·234	·243	·239	82·3	83·9	83·1
December	30·044	38·6	39·4	39·0	34·1	43·0	25·0	6th	57·6	1st	2·1	2·8	2·5	·197	·190	·194	82·7	77·6	80·2
Year -	29·825	48·6	47·6	48·1	42·1	54·6	—	—	—	—	2·9	2·4	2·7	·284	·282	·283	80·6	82·9	81·8

DUNDEE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·397	40·2	40·1	40·2	35·7	44·8	24·2	23rd	51·8	7th	1·5	1·4	1·5	·221	·222	·222	87·1	88·8	88·0
February -	30·067	36·7	36·8	36·8	32·3	41·8	26·1	8th	50·3	24th	1·3	1·3	1·3	·194	·194	·194	88·0	88·1	88·1
March -	29·490	41·8	40·8	41·3	35·9	47·8	22·1	9th	58·0	11th	2·1	1·7	1·9	·226	·223	·225	84·1	86·1	85·1
April -	·641	45·1	41·5	43·3	36·2	52·2	28·6	13th	62·7	2nd	3·1	2·1	2·6	·234	·220	·227	78·1	83·8	81·0
May -	·674	52·3	47·7	50·0	43·3	57·5	34·6	28th	69·3	23rd	2·8	1·4	2·1	·321	·300	·311	82·4	90·4	86·4
June -	·689	56·8	53·2	55·0	47·9	63·2	39·1	7th	70·5	23rd	3·9	2·4	3·2	·355	·343	·349	76·8	84·3	80·6
July -	·601	57·4	53·7	55·6	48·6	64·7	43·4	10th	76·3	21st	4·0	2·0	3·0	·360	·360	·360	76·2	87·0	81·6
August -	·618	57·0	53·7	55·4	49·2	63·6	38·1	31st	70·9	5th	2·8	1·7	2·3	·387	·372	·380	82·8	89·1	86·0
September	·814	57·0	53·6	55·3	49·7	65·0	42·6	1st	74·3	7th	2·4	1·1	1·8	·399	·385	·392	85·4	93·1	89·3
October -	·741	48·5	46·8	47·7	43·0	53·8	29·2	28th	63·3	5th	2·4	1·8	2·1	·291	·286	·289	83·2	87·0	85·1
November	·566	40·1	40·0	40·1	34·4	45·4	23·7	29th	54·6	19th	1·3	1·2	1·3	·225	·226	·226	88·2	89·9	89·1
December	29·923	35·4	35·2	35·3	31·8	38·6	22·9	22nd	51·3	1st	1·6	1·4	1·5	·179	·180	·180	85·0	86·4	85·7
Year -	29·685	47·4	45·3	46·4	40·7	53·2	—	—	—	—	2·4	1·6	2·0	·283	·276	·280	83·1	87·8	85·5

LEDNATHIE.

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

1890.	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 -	—	—	—	5·860	·840	4th	22	7	2	1	—	—	4	2	1	0	5	4	22	9	15	4
February -	—	—	—	2·290	·960	15th	10	6	2	0	—	—	0	3	3	9	11	1	3	4	10	12
March -	—	—	—	1·920	·460	24th	10	4	0	1	—	—	9	2	9	3	3	2	10	16	11	6
April -	—	—	—	1·670	·670	21st	18	8	3	1	—	—	2	8	1	8	12	2	3	7	12	7
May -	—	—	—	3·130	·960	16th	17	0	3	2	—	—	1	5	9	7	17	3	4	5	7	5
June -	—	—	—	4·230	·740	3rd	23	0	1	2	—	—	2	6	5	1	9	1	8	24	5	1
July -	—	—	—	4·050	1·020	7th	17	0	1	1	—	—	2	6	8	3	6	1	11	16	11	0
August -	—	—	—	3·900	1·440	12th	21	0	2	3	—	—	2	5	1	6	4	2	4	21	11	8
September	7·5	5·4	6·4	4·210	1·470	17th	13	0	1	1	3	12	0	1	1	1	13	5	10	16	4	9
October -	6·3	6·1	6·2	2·730	·550	30th	17	3	0	0	3	13	5	10	0	1	5	0	3	20	15	8
November	6·2	6·3	6·2	7·310	1·600	6th	20	4	1	0	4	13	1	2	5	2	14	2	4	11	9	11
December	8·7	8·1	8·4	1·470	·450	2nd	15	5	0	0	3	25	3	4	11	17	3	0	4	9	2	12
Year -	—	—	—	42·770	—	—	203	37	16	12	—	—	31	54	54	58	102	23	86	158	112	83

LAUDALE.

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

				ins.	ins.																	
January -	8·7	8·2	8·5	15·080	1·400	14th	30	5	5	2	0	21	9	1	0	3	2	4	8	23	9	12
February -	6·5	6·7	6·6	1·780	·520	1st	14	2	0	0	2	9	3	0	2	14	6	4	3	5	4	18
March -	7·5	6·8	7·2	9·150	2·230	15th	25	4	4	1	4	15	5	5	1	7	3	1	7	9	9	20
April -	5·0	5·9	5·5	3·850	·850	6th	15	2	3	0	3	8	1	9	1	13	2	1	4	7	2	21
May -	5·7	6·5	6·1	2·510	·500	29th	15	0	3	2	5	9	2	5	0	16	9	4	2	4	3	19
June -	8·6	7·4	8·0	7·740	1·600	2nd	24	0	1	0	0	17	1	4	0	2	5	3	3	18	7	18
July -	8·0	7·6	7·8	6·580	1·070	13th	25	0	0	0	1	18	1	15	0	2	0	2	6	10	7	20
August -	7·7	7·5	7·6	6·900	1·130	15th	24	0	0	0	0	15	1	3	3	4	0	1	3	12	7	29
September	7·9	6·7	7·3	8·490	2·150	25th	23	0	0	0	1	17	5	2	0	3	2	15	6	14	6	12
October -	8·2	8·1	8·2	12·680	1·740	2nd	28	2	4	0	1	20	5	11	1	0	2	1	4	14	10	19
November	7·2	7·0	7·1	11·470	1·500	29th	28	2	1	1	1	14	6	4	2	1	3	8	8	4	7	23
December	6·1	6·3	6·2	1·150	·320	1st	16	5	0	0	4	12	2	1	6	8	11	11	5	2	3	15
Year -	7·3	7·1	7·2	87·380	—	—	267	22	21	6	22	175	41	60	16	73	45	55	59	122	74	226

DUNDEE.

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

				ins.	ins.																	
January -	7·3	8·1	7·7	2·530	·360	9th	21	2	0	0	1	14	10	0	5	0	2	0	27	22	6	0
February -	8·3	8·5	8·4	1·390	·980	15th	11	4	2	0	0	19	6	2	6	0	18	1	4	14	11	0
March -	7·4	8·1	7·8	1·930	·650	24th	15	3	1	1	0	13	11	2	9	4	10	2	7	20	8	0
April -	7·1	7·2	7·2	0·680	·170	21st	14	1	5	1	0	9	5	8	6	2	21	1	4	9	9	0
May -	7·4	8·5	8·0	2·170	·640	16th	15	0	1	2	1	16	0	1	6	10	28	2	7	6	2	0
June -	8·5	8·4	8·5	3·000	·540	5th	22	0	0	1	0	18	3	1	9	3	7	1	12	20	7	0
July -	7·3	8·5	7·9	3·310	·940	7th	24	0	0	2	0	12	3	2	10	2	8	2	11	10	17	0
August -	7·8	8·4	8·1	2·710	·500	24th	21	0	1	2	0	15	1	3	11	10	2	1	13	16	6	0
September	6·9	6·9	6·9	2·890	1·330	30th	13	0	0	1	2	12	3	0	3	0	14	2	13	19	9	0
October -	6·8	7·1	7·0	2·040	·510	30th	16	2	0	0	0	9	6	3	2	0	6	3	6	32	10	0
November	7·7	8·0	7·9	4·600	1·350	6th	24	3	1	0	0	15	7	2	6	4	12	1	6	20	9	0
December	9·1	8·7	8·9	2·270	·870	2nd	15	4	1	0	2	26	1	4	16	6	14	3	4	7	8	0
Year -	7·6	8·0	7·8	29·520	—	—	211	19	12	10	6	178	56	28	89	41	142	19	114	195	102	0

OCHTERTYRE

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

1890.	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	29·240	39·7	39·9	39·8	33·4	45·8	24·0	23, 24	57·0	31st	1·7	2·6	2·2	·210	·196	·203	86	79	83
February	·876	35·4	36·2	35·8	30·4	45·2	23·0	11, 15	60·0	23rd	1·4	2·8	2·1	·180	·163	·172	87	76	82
March	·307	42·1	41·2	41·7	34·3	50·3	20·0	3, 9	60·0	11th	2·9	3·0	3·0	·210	·200	·205	78	77	78
April	·456	44·2	43·1	43·7	34·4	54·1	24·0	14th	65·0	3rd	3·7	4·1	3·9	·213	·196	·205	73	70	72
May	·549	52·5	50·2	51·4	42·8	61·1	34·0	2nd	74·0	28th	3·8	3·7	3·8	·298	·274	·286	75	76	76
June	·510	56·5	52·1	54·3	46·9	64·0	35·0	7th	69·0	15th	4·7	2·7	3·7	·328	·319	·324	71	81	76
July	·433	56·4	52·6	54·5	46·9	64·6	40·0	12th	75·0	21st	4·6	2·1	3·4	·330	·340	·335	72	86	79
August	·438	56·7	54·1	55·4	47·5	65·8	36·0	31st	72·0	2nd	4·0	3·5	3·8	·349	·323	·336	75	78	77
September	·640	57·3	55·5	56·4	48·6	67·2	40·0	10th	**79·0**	**7th**	3·1	3·4	3·3	·380	·347	·364	80	79	80
October	·576	49·0	48·1	48·6	41·2	56·6	27·0	28th	66·0	6th	3·3	3·1	3·2	·270	·262	·266	77	78	78
November	·372	40·2	40·2	40·2	33·2	46·8	**19·0**	**27th**	57·0	2nd	2·3	2·0	2·2	·203	·209	·206	82	85	84
December	29·730	34·8	34·7	34·8	30·4	38·6	21·0	10th	52·0	2nd	2·2	2·1	2·2	·159	·160	·160	79	79	79
Year	29·511	47·1	45·7	46·4	39·2	55·0	—	—	—	—	3·1	2·9	3·0	·261	·249	·255	77·9	78·7	78·3

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	29·438	41·4	41·2	41·3	37·1	46·7	28·4	23rd	52·3	17th	2·2	2·0	2·1	·216	·217	·217	84	85	85
February	30·077	36·6	36·1	36·4	31·3	43·9	24·4	27, 28	50·3	25th	1·6	1·5	1·6	·186	·185	·186	86	86	86
March	29·554	41·6	40·6	41·1	35·1	48·2	**22·4**	**3rd**	55·3	28th	2·5	2·0	2·3	·212	·212	·212	81	85	83
April	·678	44·8	40·8	42·8	35·4	52·4	27·4	12th	58·3	4th	3·9	2·4	3·2	·216	·207	·212	72	81	77
May	·694	52·8	49·5	51·2	44·1	61·7	33·4	25th	**74·3**	**25th**	4·6	2·5	3·6	·284	·292	·288	71	83	77
June	·744	54·1	51·9	53·0	47·7	60·3	35·4	8th	68·3	11th	3·3	2·3	2·8	·328	·326	·327	79	85	82
July	·678	55·3	52·7	54·0	48·4	61·7	40·4	4th	67·3	25th	3·6	2·5	3·1	·340	·331	·336	77	83	80
August	·670	56·6	52·4	54·5	49·1	63·9	36·4	31st	72·3	8th	3·4	2·3	2·9	·362	·333	·348	78	85	82
September	·853	55·1	52·8	54·0	50·4	62·3	36·4	1st	69·3	8th	2·0	2·1	2·1	·377	·343	·360	87	86	87
October	·830	48·9	48·1	48·5	43·7	54·4	30·4	28th	60·3	1st	2·3	2·3	2·3	·291	·280	·286	84	84	84
November	·605	41·8	41·8	41·8	37·9	48·2	23·4	27th	55·3	21st	1·8	1·5	1·7	·227	·234	·231	86	88	87
December	29·914	36·0	36·4	36·2	32·4	42·1	25·4	19th	53·3	1st	1·5	2·1	1·8	·184	·176	·180	87	82	85
Year	29·728	47·1	45·4	46·3	41·1	53·8	—	—	—	—	2·7	2·1	2·4	269	·261	·265	81·0	84·4	82·7

EDINBURGH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·298	41·5	41·9	41·7	36·4	47·4	25·0	23rd	53·8	7, 17	2·4	2·4	2·4	·216	·221	·219	81·6	82·0	81·8
February	·928	36·3	36·9	36·6	32·6	42·9	25·9	9th	52·9	23rd	1·6	1·8	1·7	·184	·187	·186	84·2	84·0	84·1
March	·380	41·6	41·9	41·8	37·0	48·6	25·4	3rd	59·5	16th	2·4	2·4	2·4	·218	·220	·219	81·2	81·2	81·2
April	·511	44·1	42·3	43·2	36·5	52·6	28·4	13th	64·0	30th	3·5	2·8	3·2	·217	·214	·216	75·2	78·9	77·1
May	·546	50·8	48·0	49·4	44·0	58·0	36·3	31st	71·0	23rd	3·2	2·4	2·8	·296	·281	·289	80·1	83·9	82·0
June	·645	55·5	52·1	53·8	47·7	62·5	38·1	8th	71·4	10th	4·0	2·4	3·2	·335	·328	·332	75·9	83·9	79·9
July	·563	56·3	53·8	55·1	48·8	64·3	43·5	7th	70·1	13th	4·3	2·5	3·4	·339	·349	·344	74·6	83·8	79·2
August	·566	56·8	53·7	55·3	49·7	63·5	40·1	31st	71·8	5th	3·3	2·0	2·7	·370	·361	·366	80·1	86·5	83·3
September	·741	58·2	55·7	57·0	50·4	66·2	42·3	1st	**76·0**	**8th**	3·6	2·5	3·2	·384	·376	·380	78·9	83·9	81·4
October	·664	48·8	48·1	48·5	43·8	55·1	29·3	28th	64·9	12th	2·7	2·3	2·5	·290	·288	·289	81·5	83·7	82·6
November	·452	40·7	41·9	41·3	36·0	47·2	25·1	27th	57·3	19th	1·7	1·6	1·7	·224	·237	·231	85·8	86·9	86·4
December	29·791	35·3	35·2	35·3	31·9	38·8	**23·2**	**14th**	54·9	1st	1·4	1·4	1·4	·180	·179	·180	85·2	85·3	85·3
Year	29·590	47·2	46·0	46·6	41·2	53·9	—	—	—	—	2·8	2·2	2·5	·271	·270	·271	80·4	83·7	82·1

OCHTERTYRE.

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

1890.	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	7·4	7·0	7·2	8·080	1·120	7th	25	0	0	4	0	11	7	2	2	1	0	2	28	18	4	5
February	7·3	6·2	6·8	1·060	·440	16th	9	0	0	0	3	12	2	1	2	18	5	0	5	11	7	7
March	6·7	6·5	6·6	2·080	·490	25th	16	0	0	1	2	14	4	3	5	8	2	2	9	18	8	7
April	6·2	5·5	5·9	1·370	·450	22nd	16	1	0	1	3	8	3	6	4	21	1	1	3	13	6	5
May	7·7	6·7	7·2	2·070	·950	17th	13	0	0	1	2	17	0	1	4	31	4	2	9	6	2	3
June	7·9	6·7	7·3	3·480	·620	4th	19	0	0	1	1	14	1	0	4	10	2	1	8	25	8	2
July	7·6	7·1	7·4	3·600	·680	8th	19	0	0	1	0	10	1	3	4	9	0	1	11	16	11	7
August	7·7	6·2	7·0	2·630	·730	12th	15	0	0	1	0	10	0	1	3	14	1	0	5	28	8	2
September	7·3	5·5	6·4	2·030	·570	2nd	12	0	0	1	3	11	0	0	0	17	3	2	7	22	3	6
October	6·8	6·1	6·5	3·490	1·510	1st	17	0	0	0	2	12	1	7	3	3	0	1	5	32	5	6
November	6·5	7·0	6·8	6·940	**1·640**	**7th**	23	0	0	0	2	10	0	0	5	16	1	1	5	22	5	5
December	8·2	7·5	7·9	1·130	·420	3rd	17	0	0	0	0	0	0	0	4	31	5	1	5	3	1	12
Year	7·3	6·5	6·9	37·960	—	—	201	1	0	11	18	129	19	24	40	179	24	14	100	214	68	67

CALLTON MOR.

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

				ins.	ins.														
January	6·5	5·4	6·0	7·950	·700	20th	25	3	5	5	0	4	17	2	0	0	6	4	32	10	5	3
February	4·9	5·0	5·0	0·630	·160	2nd	7	1	0	0	2	2	7	6	13	4	20	0	5	2	6	0
March	5·1	3·9	4·5	4·940	1·140	15th	20	2	2	1	5	2	10	5	6	3	12	0	14	7	15	0
April	4·0	3·7	3·9	1·970	·400	23rd	10	1	4	1	5	0	6	11	10	9	14	0	2	6	8	0
May	3·1	2·9	3·0	2·160	·550	17th	13	0	0	2	6	0	0	4	10	9	18	7	9	2	3	0
June	6·6	5·5	6·1	5·330	·950	2nd	18	0	0	0	1	4	6	4	7	2	9	2	15	9	12	0
July	5·8	5·2	5·5	4·630	·660	13th	18	0	1	1	1	6	1	4	11	1	1	5	9	10	21	0
August	5·3	4·9	5·1	4·310	·500	16th	17	0	0	0	1	3	0	6	3	5	7	0	13	8	20	0
September	6·0	4·2	5·1	7·440	1·000	25th	20	0	0	0	2	2	6	2	0	2	21	9	10	3	13	0
October	6·2	5·7	6·0	6·870	1·480	1st	20	2	1	1	2	7	11	14	1	1	0	1	17	3	24	1
November	5·6	4·9	5·3	9·580	**1·610**	**7th**	24	3	2	0	1	3	13	6	5	4	13	2	7	4	19	0
December	5·1	5·2	5·2	1·290	·310	1st	13	1	0	0	2	5	7	4	6	7	29	2	3	3	8	0
Year	5·4	4·7	5·1	57·100	—	—	205	13	15	11	28	38	84	68	72	47	150	32	136	67	154	4

EDINBURGH.

Heights above Ground :—Barometer, 23 feet. Thermometers, 4 feet. Rain-gauge, 8 inches.

				ins.	ins.														
January	6·9	4·8	5·9	3·700	·710	19th	24	0	0	0	5	10	3	1	0	0	0	4	22	19	2	14
February	7·9	6·3	7·1	0·950	·740	15th	7	4	0	0	1	12	0	3	2	7	9	1	1	8	1	24
March	7·2	5·9	6·6	1·830	·500	20th	21	4	1	1	4	12	0	6	2	4	3	3	3	13	17	11
April	6·5	5·3	5·9	0·840	·200	25th	14	4	6	2	6	13	0	8	1	5	6	4	3	6	6	21
May	8·4	7·6	8·0	1·710	·440	11th	14	0	3	0	1	21	0	0	3	11	3	6	2	3	7	27
June	9·0	7·1	8·1	3·230	·920	11th	19	0	0	1	0	18	1	2	5	3	1	4	4	17	13	11
July	8·6	7·7	8·2	2·430	·570	7th	20	0	2	1	0	21	0	5	2	3	0	0	3	18	7	24
August	7·9	6·9	7·4	4·280	**1·940**	**12th**	18	0	1	1	0	15	0	2	1	3	1	0	2	18	9	26
September	6·5	4·5	5·5	2·230	1·190	30th	12	0	1	1	6	9	0	1	0	2	1	2	4	20	5	25
October	6·7	4·9	5·8	3·050	·720	31st	16	1	1	0	6	10	0	2	1	0	0	0	2	26	14	17
November	7·3	5·9	6·6	4·840	1·060	8th	23	4	0	0	4	11	0	2	0	3	3	1	6	19	6	20
December	8·6	7·6	8·1	1·550	·840	2nd	10	9	1	0	0	19	0	0	5	6	7	3	1	4	1	35
Year	7·6	6·2	6·9	30·640	—	—	198	26	16	7	33	171	4	32	22	47	34	28	53	171	88	255

GLASGOW

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·416	41·3	41·8	41·6	37·7	46·4	28·1	23rd	52·9	16th	1·8	1·8	1·8	·227	·230	·229	86·2	86·0	86·1
February -	30·033	35·9	37·1	36·5	33·9	41·9	28·3	28th	51·6	23rd	1·3	1·6	1·5	·187	·192	·190	87·1	85·6	86·4
March -	29·496	42·2	41·8	42·0	37·8	48·0	24·4	3rd	55·6	16th	2·6	2·2	2·4	·220	·222	·221	80·7	82·8	81·8
April -	·625	44·1	43·4	43·8	37·6	51·6	31·1	13th	61·0	30th	3·8	3·3	3·6	·214	·216	·215	74·1	76·7	75·4
May -	·638	52·3	49·5	50·9	45·4	58·8	37·8	31st	70·5	23rd	4·0	2·6	3·3	·297	·294	·296	75·6	82·7	79·2
June -	·684	55·3	52·6	54·0	48·7	60·5	38·3	8th	69·3	10th	3·8	2·2	3·0	·336	·342	·339	76·6	85·8	81·2
July -	·607	56·3	53·5	54·9	49·5	62·4	43·0	12th	68·6	19th	4·3	2·4	3·4	·340	·348	·344	74·7	84·6	79·7
August -	·609	56·1	53·4	54·8	49·8	62·0	40·6	31st	68·7	5th	3·1	2·2	2·7	·367	·353	·360	81·0	85·9	83·5
September	·812	56·3	55·0	55·7	50·9	62·2	44·3	10th	68·6	7th	2·3	1·8	2·1	·389	·384	·387	85·6	88·2	86·9
October -	·776	48·1	48·2	48·2	44·0	53·5	28·9	28th	59·3	5th	1·9	1·8	1·9	·300	·301	·301	86·7	86·7	86·7
November	·548	41·3	42·1	41·7	37·1	46·9	22·3	27th	55·0	19th	1·4	1·3	1·4	·237	·244	·241	88·9	89·2	89·1
December	29·873	35·8	36·3	36·1	33·0	39·7	23·9	21st	51·9	1st	1·6	1·7	1·7	·181	·183	·182	84·8	84·3	84·6
Year -	29·676	47·1	46·2	46·7	42·1	52·8	—	—	—	—	2·7	2·1	2·4	·275	·276	·276	81·8	84·9	83·4

ROSEWELL

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	*28·866*	*40·3*	*38·3*	*39·3*	*33·4*	*46·2*	—	—	—	—	*1·7*	*1·4*	*1·4*	*·215*	*·209*	*·212*	*87*	*91*	*89*
February -	29·471	36·3	35·6	36·0	30·5	41·3	22·0	14th	49·0	23rd	0·9	1·0	1·0	·198	·191	·195	93	91	92
March -	28·941	41·6	39·2	40·4	33·8	46·8	18·8	3rd	57·5	16th	2·0	1·0	1·5	·222	·220	·221	85	92	89
April -	29·072	43·8	39·3	41·6	34·6	50·3	25·0	13th	62·5	2nd	3·1	1·8	2·5	·220	·206	·213	76	86	81
May -	·088	50·8	46·5	48·7	41·0	56·7	33·0	2nd	71·5	23rd	2·9	1·7	2·3	·299	·277	·288	80	88	84
June -	·146	53·8	50·8	52·3	46·1	59·8	33·5	1st	64·8	23rd	3·6	1·8	2·7	·317	·325	·321	76	87	82
July -	·060	53·9	52·0	53·0	46·7	60·4	41·5	7th	67·5	26th	3·3	1·6	2·5	·326	·345	·336	79	89	84
August -	·057	54·5	51·2	52·9	47·1	60·4	36·0	31st	70·0	8th	2·6	1·6	2·1	·352	·335	·344	82	89	86
September	·242	56·3	54·1	55·2	48·9	63·6	41·0	1st	75·2	7th	2·3	1·6	2·0	·387	·373	·380	85	89	87
October -	29·203	47·3	45·9	46·6	41·1	54·1	28·0	28th	69·0	9th	1·6	1·3	1·5	·287	·280	·284	89	92	91
November	28·978	38·9	39·3	39·1	32·7	46·2	14·5	27th	58·0	19th	0·8	0·7	0·8	·221	·227	·224	94	95	95
December	29·298	34·2	33·1	33·7	25·9	37·7	14·0	13th	53·0	1st	0·4	0·7	0·6	·190	·174	·182	96	92	94
Year -	29·119	46·0	43·8	44·9	38·5	52·0	—	—	—	—	2·1	1·3	1·7	·270	·264	·267	85·2	90·1	87·7

NOTE.—The observations for January are approximate only.

ROTHESAY

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·490	41·9	42·0	42·0	37·8	47·6	30·5	23rd	52·6	14th	2·0	1·6	1·8	·226	·233	·230	86	88	87
February -	30·106	36·9	36·8	36·9	33·8	44·0	27·0	27th	53·0	23rd	1·5	1·6	1·6	·191	·188	·190	88	87	88
March -	29·584	42·8	41·1	42·0	37·0	49·3	25·0	3rd	57·6	31st	2·3	1·7	2·0	·227	·222	·225	83	86	85
April -	·708	45·2	41·7	43·5	37·2	54·0	30·0	11th	62·3	29th	3·1	2·1	2·6	·232	·221	·227	78	85	82
May -	·716	52·6	50·1	51·4	45·1	61·6	35·0	31st	75·0	23rd	3·5	2·7	3·1	·306	·294	·300	77	81	79
June -	·770	54·7	52·2	53·5	47·3	61·5	36·5	7th	71·5	13th	2·7	1·7	2·2	·352	·345	·349	82	89	86
July -	·701	56·6	52·6	54·6	48·2	62·9	41·2	12th	68·5	19th	4·0	2·1	3·1	·347	·340	·344	76	86	81
August -	·694	57·2	52·2	54·7	48·4	64·4	40·0	31st	73·0	10th	2·7	1·4	2·1	·389	·353	·371	83	91	87
September	·890	57·0	54·2	55·6	50·5	63·7	43·8	10th	73·3	7th	2·1	1·3	1·7	·402	·383	·393	86	91	89
October -	·871	49·7	48·0	48·9	43·9	55·8	31·0	27th	63·3	12th	1·9	1·6	1·8	·309	·295	·302	88	89	89
November	·634	42·2	41·7	42·0	37·5	48·8	26·5	27th	56·0	19th	1·3	1·1	1·2	·241	·241	·241	90	92	91
December	29·959	36·9	37·1	37·0	34·4	41·0	28·3	19th	53·0	1st	1·8	1·4	1·6	·185	·194	·190	85	88	87
Year -	29·760	47·8	45·8	46·8	41·8	54·6	—	—	—	—	2·4	1·7	2·1	·284	·276	·280	83·5	87·8	85·7

GLASGOW.

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

1890.	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 -	9·2	7·3	8·3	5·661	·850	19th	26	3	4	1	0	21	2	3	2	1	5	9	28	13	1	0
February -	8·5	7·5	8·0	0·656	·170	1st	8	2	0	0	2	16	0	6	12	16	3	0	8	9	2	0
March -	8·2	6·3	7·3	2·435	·380	8th	18	2	1	0	1	14	1	3	7	4	2	11	17	11	5	2
April -	8·1	7·1	7·6	1·990	·800	22nd	8	0	1	0	0	16	0	3	6	20	1	4	6	11	8	1
May -	7·4	7·2	7·3	2·872	·768	16th	15	0	0	1	1	16	0	1	14	22	0	9	5	8	3	0
June -	8·9	7·9	8·4	3·963	·600	8th	23	0	1	2	0	19	0	1	6	8	2	8	14	20	1	0
July -	8·0	7·1	7·6	4·009	1·040	7th	19	0	1	2	0	16	0	3	5	5	0	2	19	20	8	0
August -	8·2	6·9	7·6	3·983	·658	22nd	18	0	0	2	0	16	0	1	6	10	0	2	14	25	3	1
September	8·7	6·4	7·6	4·229	1·124	30th	15	0	0	1	1	15	0	0	3	8	6	6	18	16	3	0
October -	7·5	6·1	6·8	2·316	·635	30th	19	0	1	0	2	11	0	2	4	1	2	2	23	22	5	1
November	7·8	6·6	7·2	5·382	·810	14th	22	2	0	0	0	12	0	0	10	9	1	6	17	14	3	0
December	8·7	7·6	8·2	1·397	·800	2nd	12	2	0	0	0	19	0	0	20	20	7	8	1	4	1	1
Year -	8·3	7·0	7·7	38·893	—	—	203	11	9	9	7	191	3	23	95	124	29	67	170	173	43	6

ROSEWELL.

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

				ins.	ins.																	
January -	*7·1*	*4·4*	*5·8*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February -	6·4	5·8	6·1	0·670	·150	15, 20	10	4	0	0	4	8	1	1	4	4	7	3	21	10	6	0
March -	6·7	5·9	6·3	2·190	·470	20th	24	3	2	1	4	10	4	1	4	2	3	2	29	10	11	0
April -	6·6	4·6	5·6	0·970	·190	22nd	13	0	1	0	3	5	2	3	4	5	9	4	19	5	11	0
May -	6·5	6·6	6·6	1·860	·350	11th	19	0	1	0	3	14	0	0	19	4	6	4	12	5	12	0
June -	6·7	5·6	6·2	3·900	·940	11th	21	0	0	1	2	8	1	0	2	3	2	4	23	12	13	1
July -	5·4	5·4	5·4	3·110	·580	7th	21	0	0	2	3	5	1	4	1	7	1	4	8	25	12	0
August -	5·3	4·8	5·1	5·830	2·860	12th	21	0	0	1	2	8	0	4	2	9	3	2	18	20	3	1
September	4·7	4·1	4·4	2·720	1·100	30th	16	0	0	0	10	6	1	1	1	1	0	5	17	34	1	0
October -	4·5	5·2	4·9	1·990	·410	14th	19	0	0	0	8	8	2	6	0	0	0	0	7	29	20	0
November	5·2	5·2	5·2	5·200	1·070	8th	24	3	0	0	5	10	0	3	5	3	1	5	18	16	9	0
December	6·5	6·0	6·3	2·260	1·050	2nd	13	2	0	0	4	13	0	3	4	11	8	7	16	11	2	0
Year -	6·0	5·3	5·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ROTHESAY.

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

				ins.	ins.																	
January -	8·0	7·5	7·8	6·890	·840	19th	27	3	0	0	1	18	4	—	—	—	—	—	—	—	—	—
February -	6·9	6·7	6·8	1·050	·200	19th	17	1	0	0	2	12	0	1	5	18	6	0	4	4	6	12
March -	6·8	6·2	6·5	4·080	·480	15th	24	2	1	0	5	13	0	1	4	4	2	7	6	16	10	12
April -	5·8	6·4	6·1	1·960	·400	22nd	13	1	1	0	3	14	1	9	4	9	5	4	7	5	7	10
May -	6·1	6·9	6·5	3·830	·660	16th	20	0	0	3	4	12	0	1	19	13	7	6	2	8	5	1
June -	8·5	7·7	8·1	5·780	·790	5th	27	0	0	1	0	20	1	1	6	3	6	8	13	16	6	1
July -	7·5	6·4	7·0	4·060	·840	7th	23	0	0	0	1	12	0	5	2	2	3	6	10	15	18	1
August -	7·7	6·7	7·2	3·320	·460	14th	21	0	0	0	1	12	4	4	7	5	2	4	10	12	11	7
September	8·5	5·1	6·8	6·600	1·400	1st	20	0	0	0	1	2	12	1	1	4	1	8	5	9	16	6
October -	7·5	6·3	6·9	4·430	1·080	30th	24	0	0	1	3	13	1	4	0	1	0	1	12	17	16	10
November	7·4	6·1	6·8	8·460	1·300	6th	24	0	0	0	4	12	0	1	5	3	7	7	4	9	13	11
December	7·8	7·6	7·7	1·100	·230	28th	15	2	0	0	1	19	2	3	10	22	9	3	3	1	2	9
Year -	7·4	6·6	7·0	51·560	—	—	255	9	2	6	27	169	14	—	—	—	—	—	—	—	—	—

MARCHMONT

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
					Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·082	39·4	37·5	38·5	34·1	45·0	25·0	23, 24	53·0	31st	1·1	0·6	0·9	·220	·213	·217	91	95	93
February -	·674	35·4	35·3	35·4	31·8	41·6	25·0	28th	50·0	23rd	0·8	0·8	0·8	·192	·191	·192	93	93	93
March -	·144	40·8	39·5	40·2	35·3	47·6	23·0	3rd	56·0	27th	1·6	1·0	1·3	·221	·222	·222	88	92	90
April -	·276	43·9	40·2	42·1	35·0	50·3	25·0	13th	63·0	30th	3·2	1·7	2·5	·219	·215	·217	76	87	82
May -	·318	50·6	46·2	48·4	42·2	57·6	34·0	31st	69·0	23rd	3·1	1·3	2·2	·292	·283	·288	79	91	85
June -	·351	54·7	50·0	52·4	46·6	61·5	37·0	8th	68·0	23rd	4·2	2·0	3·1	·316	·309	·313	74	86	80
July -	·268	55·0	51·8	53·4	47·3	61·7	42·0	20th	72·0	21st	3·9	1·4	2·7	·327	·348	·338	76	90	83
August -	·274	55·3	51·7	53·5	47·3	61·9	38·0	25th	70·0	2nd	3·1	1·6	2·4	·351	·342	·347	80	89	85
September	·493	56·7	51·5	54·1	48·9	64·8	39·4	1st	**75·0**	**7, 8**	2·6	1·6	2·1	·384	·339	·362	84	89	87
October -	·422	47·9	45·0	46·5	42·1	54·2	28·0	28th	65·0	10th	2·4	1·5	2·0	·276	·264	·270	84	89	87
November	·236	38·5	38·6	38·6	33·7	46·2	22·0	30th	57·0	19th	0·9	0·7	0·8	·215	·221	·218	92	95	94
December	29·563	33·4	33·0	33·2	30·0	37·2	**18·0**	**14th**	50·0	1st	0·5	0·5	0·5	·181	·177	·179	95	94	95
Year -	29·342	46·0	43·4	44·7	39·5	52·5	—	—	—	—	2·3	1·2	1·8	·266	·260	·263	84·3	90·8	87·6

LADYLAW (near HAWICK)

Long. 2° 47′ W. Lat. 55° 28′ N. Height above Mean Sea Level, ~~489~~ feet. Gravity Correction, + ·026.

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·157	40·9	40·9	40·9	35·6	46·0	24·0	3rd	52·8	7th	1·2	1·0	1·1	·235	·236	·236	90·3	91·2	90·8
February -	·740	34·7	36·0	35·4	31·0	41·0	20·8	9, 11	51·0	23rd	1·1	1·1	1·1	·182	·193	·188	87·7	90·0	88·9
March -	·207	41·2	40·7	41·0	35·6	47·8	19·8	3rd	57·1	16th	1·8	1·4	1·6	·226	·229	·228	85·5	88·5	87·0
April -	·332	44·1	40·6	42·4	33·7	50·6	24·3	13th	61·6	30th	3·3	1·9	2·6	·223	·217	·220	76·6	85·4	81·0
May -	·359	51·5	48·1	49·8	41·9	57·7	30·4	4th	70·6	23rd	3·1	1·8	2·5	·307	·296	·302	80·5	87·7	84·1
June -	·394	54·8	51·4	53·1	46·1	60·8	31·8	8th	68·0	10th	3·3	1·8	2·6	·342	·335	·339	79·4	87·9	83·7
July -	·328	55·7	52·9	54·3	47·1	61·3	36·2	20th	72·1	21st	3·7	1·7	2·7	·346	·358	·352	77·8	88·7	83·3
August -	·317	56·1	52·2	54·2	46·6	61·7	31·2	31st	68·5	6th	3·2	1·6	2·4	·363	·352	·358	80·1	89·1	84·6
September	·544	57·5	54·7	56·1	48·4	64·7	35·2	1st	**72·6**	**8th**	2·7	1·4	2·1	·397	·391	·394	83·7	90·8	87·3
October -	·483	48·1	46·7	47·4	42·3	53·9	25·0	28th	63·6	4th	1·9	1·6	1·8	·299	·291	·295	86·0	88·2	87·1
November	·265	38·9	40·4	39·7	33·7	46·3	20·4	29th	55·8	1st	1·2	1·1	1·2	·219	·235	·227	90·2	91·0	90·6
December	29·581	32·0	32·8	32·4	29·0	36·9	**12·0**	**14th**	49·9	1st	0·7	0·9	0·8	·171	·174	·173	90·8	90·8	90·8
Year -	29·392	46·3	44·8	45·6	39·3	52·4	—	—	—	—	2·3	1·4	1·9	·276	·276	·276	84·1	89·1	86·6

WOLFELEE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·010	39·6	39·5	39·6	33·4	44·8	24·0	24, 29	52·0	7th	1·4	1·3	1·4	·219	·219	·219	88·5	88·6	88·6
February -	·569	34·4	34·6	34·5	29·1	41·3	19·0	9th	52·0	1st	1·0	1·2	1·1	·179	·178	·179	87·8	87·2	87·5
March -	·056	40·1	39·6	39·9	32·1	48·0	14·5	3rd	59·0	17th	1·6	1·3	1·5	·220	·222	·221	87·5	89·2	88·4
April -	·173	43·5	39·4	41·5	31·2	51·3	19·0	13th	63·5	3rd	3·5	2·0	2·8	·212	·205	·209	74·6	84·1	79·4
May -	·195	51·1	47·3	49·2	39·9	61·0	28·0	4th	74·0	24th	3·1	1·7	2·4	·302	·287	·295	80·4	87·6	84·0
June -	·253	55·1	50·9	53·0	43·1	62·7	30·0	8th	71·0	11th	3·6	1·8	2·7	·340	·329	·335	78·1	88·0	83·1
July -	·174	55·7	52·0	53·9	44·4	63·2	33·0	20th	73·5	22nd	3·8	1·6	2·7	·344	·348	·346	76·9	89·2	83·1
August -	·168	55·9	51·3	53·6	44·7	64·1	28·0	31st	71·2	7th	2·8	1·6	2·2	·372	·341	·357	82·4	89·3	85·9
September	·385	57·4	54·4	55·9	46·7	66·8	36·0	1st	**76·0**	**9th**	2·8	2·0	2·4	·393	·370	·382	83·1	87·0	85·1
October -	·326	47·9	47·0	47·5	38·7	55·2	20·0	28th	63·0	11th	2·1	1·7	1·9	·293	·288	·291	85·1	87·6	86·4
November	·111	37·8	39·1	38·5	30·9	45·8	17·0	28th	55·2	15th	1·1	0·7	0·9	·209	·231	·220	89·3	93·3	91·3
December	29·419	31·3	31·6	31·5	25·8	36·7	**12·0**	**13, 14**	50·5	2nd	0·8	0·9	0·9	·165	·163	·164	90·3	88·6	89·5
Year -	29·237	45·8	43·9	44·9	36·7	53·4	—	—	—	—	2·3	1·5	1·9	·271	·265	·268	83·7	88·3	86·0

MARCHMONT.

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

1890.	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 -	7·8	8·0	7·9	3·070	·550	9th	22	3	1	1	1	16	14	7	0	0	0	2	9	36	8	0
February -	7·6	6·9	7·3	1·630	·920	15th	13	6	1	0	3	16	1	14	1	9	4	7	6	11	2	2
March -	7·3	7·0	7·2	2·330	·370	20th	22	4	1	1	2	12	8	14	2	7	0	2	3	26	7	1
April -	6·7	6·0	6·4	1·070	·200	21st	16	3	0	1	3	10	4	17	1	10	1	2	1	18	1	9
May -	7·3	7·0	7·2	1·840	·450	16th	15	1	2	0	2	15	2	9	2	21	4	6	3	12	1	4
June -	7·6	7·6	7·6	3·600	·800	11th	20	0	0	1	1	14	2	2	6	5	1	0	3	39	4	0
July -	8·0	8·2	8·1	3·060	·820	7th	20	0	0	4	0	15	4	6	6	6	0	0	7	30	6	1
August -	7·5	7·0	7·3	5·920	**2·100**	**12th**	19	0	0	4	1	13	3	6	0	9	2	1	4	31	5	4
September	6·7	5·7	6·2	2·050	·500	30th	17	0	0	4	7	12	1	2	1	1	0	8	5	33	0	10
October -	7·0	7·4	7·2	2·770	·450	25, 30	17	0	2	0	1	15	2	12	0	0	0	0	1	39	6	4
November	7·2	6·9	7·1	4·950	·550	9th	25	4	0	0	2	13	1	8	3	7	2	2	7	18	10	3
December	7·9	7·5	7·7	2·460	·540	2nd	19	4	0	0	3	19	2	5	5	13	2	6	5	12	6	8
Year -	7·4	7·1	7·3	34·750	—	—	225	25	7	16	26	170	44	102	27	88	16	36	54	305	56	46

LADYLAW (near HAWICK).

Heights above Ground:—Barometer, 23 feet. Thermometers, 4 feet. Rain-gauge, 10 inches.

				ins.	ins.																	
January -	—	—	—	4·325	·630	21st	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February -	—	—	—	1·070	·570	15th	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March -	—	—	—	2·005	·395	20th	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April -	—	—	—	0·765	·155	25th	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May -	—	—	—	1·815	·475	7th	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June -	—	—	—	2·450	·705	11th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
July -	—	—	—	2·345	·470	7th	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August -	—	—	—	3·980	·987	12th	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	—	—	—	1·855	·480	30th	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October -	—	—	—	1·660	·420	14th	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	—	—	5·400	**1·100**	**8th**	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	—	—	—	1·625	·745	2nd	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year -	—	—	—	29·295	—	—	215	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

WOLFELEE.

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

				ins.	ins.																	
January -	—	—	—	7·990	1·220	14th	24	2	0	0	—	—	—	1	3	0	2	0	37	11	8	0
February -	—	—	—	1·170	·520	15th	10	4	0	0	—	—	—	2	6	2	15	7	12	8	4	0
March -	—	—	—	3·120	·570	9, 20	19	4	0	1	—	—	—	4	4	2	7	1	27	9	8	0
April -	—	—	—	0·900	·220	21st	11	1	1	1	—	—	—	6	4	4	10	0	13	10	13	0
May -	—	—	—	2·040	·510	7th	11	0	0	1	—	—	—	2	23	3	7	0	11	10	6	0
June -	—	—	—	3·100	·840	12th	18	0	0	1	—	—	—	4	8	0	2	5	16	18	7	0
July -	—	—	—	2·230	·360	13, 27	20	0	0	0	—	—	—	4	4	2	3	2	22	8	17	0
August -	—	—	—	3·300	·860	12th	17	0	0	0	—	—	—	4	9	0	5	2	25	11	6	0
September	—	—	—	1·810	·510	30th	13	0	0	1	—	—	—	0	1	0	3	5	30	16	5	0
October -	—	—	—	1·810	·540	14th	15	1	1	0	—	—	—	3	4	0	0	1	31	10	13	0
November	—	—	—	6·690	**1·570**	**8th**	22	5	0	1	—	—	—	2	5	4	1	3	32	10	3	0
December	—	—	—	1·550	·500	2nd	10	5	0	0	—	—	—	2	9	8	6	4	16	11	6	0
Year -	—	—	—	35·710	—	—	190	22	2	6	—	—	—	34	80	25	61	30	272	132	96	0

PINMORE

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

1890.	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.	Min. Day.	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 -	29·450	41·5	41·9	41·7	37·8	46·4	29·5	23rd	52·3	7th	1·6	1·4	1·5	·229	·237	·233	88	90	89
February -	30·010	34·6	36·0	35·3	31·1	44·3	21·0	28th	50·5	25th	1·0	1·2	1·1	·184	·189	·185	91	89	90
March -	29·526	41·9	39·5	40·7	34·9	49·4	16·0	3rd	57·0	27th	1·8	1·6	1·7	·228	·211	·220	87	87	87
April -	·620	47·5	41·5	44·5	34·3	55·5	24·0	12th	66·0	4th	3·8	1·3	2·6	·242	·234	·238	74	90	82
May -	·624	55·8	49·8	52·8	43·8	63·2	32·8	28th	**78·0**	**25th**	4·3	1·8	3·1	·331	·312	·322	74	87	81
June -	·692	54·4	52·1	53·3	47·5	61·5	31·0	8th	69·0	11th	2·5	1·2	1·9	·353	·357	·355	83	91	87
July -	·634	57·9	52·8	55·4	47·2	62·4	36·0	11th	69·0	19th	3·5	1·4	2·5	·379	·361	·370	78	90	84
August -	·606	58·0	52·4	55·2	45·6	65·1	33·0	31st	73·0	8th	2·7	1·3	2·0	·401	·358	·380	83	91	87
September	·824	56·6	54·0	55·3	48·6	63·2	38·0	1st	70·6	7th	2·0	1·1	1·6	·400	·385	·393	87	92	90
October -	·809	48·6	47·9	48·3	41·9	55·7	24·0	28th	62·0	5th	1·1	1·1	1·1	·315	·306	·311	93	93	93
November	·559	42·1	40·7	41·4	34·4	49·1	18·0	27th	56·2	19th	0·9	1·0	1·0	·248	·233	·241	93	92	93
December	29·849	32·8	34·6	33·7	31·0	38·9	**15·5**	**21st**	51·6	1st	0·9	1·2	1·1	·168	·177	·173	90	88	89
Year -	29·684	47·6	45·3	46·5	39·8	54·6	—	—	—	—	2·2	1·3	1·8	·290	·280	·285	85·1	90·0	87·6

GLENLEE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·433	42·0	41·9	42·0	35·6	46·8	24·6	3rd	54·0	31st	2·0	1·9	2·0	·225	·226	·226	85	86	86
February -	·988	35·4	35·6	35·5	30·5	43·2	18·5	9th	54·0	1st	1·5	0·8	1·2	·179	·195	·187	87	93	90
March -	·487	43·1	39·9	41·5	33·7	48·3	18·0	3rd	55·2	27th	2·6	1·3	2·0	·224	·220	·222	80	90	85
April -	·598	45·1	40·9	43·0	34·7	51·5	24·0	12th	60·2	30th	3·8	2·0	2·9	·219	·215	·217	73	85	79
May -	·594	54·1	49·7	51·9	42·6	60·3	32·5	26th	71·8	24th	4·3	2·3	3·3	·305	·300	·303	73	85	79
June -	·672	55·9	52·4	54·2	47·4	60·7	30·2	8th	68·0	10th	3·8	2·1	3·0	·344	·338	·341	77	86	82
July -	·601	57·4	53·1	55·3	47·4	61·9	36·7	12th	67·3	31st	4·1	2·3	3·2	·355	·341	·348	75	84	80
August -	·601	57·3	52·4	54·9	46·3	63·5	30·5	31st	**76·0**	**4th**	5·8	2·0	2·9	·361	·340	·351	77	87	82
September	·804	56·8	54·1	55·5	48·2	63·1	36·5	10th	69·2	8th	2·1	1·2	1·7	·400	·384	·392	86	91	89
October -	·774	48·9	48·0	48·5	41·7	55·4	23·0	28th	63·0	11th	2·3	1·2	1·8	·291	·304	·298	84	92	88
November	·546	40·9	41·1	41·0	34·5	47·8	22·0	27th	56·0	18th	1·4	1·0	1·2	·227	·236	·232	89	92	91
December	29·835	33·5	34·0	33·8	29·7	37·3	**15·2**	**21st**	52·0	1st	1·1	1·2	1·2	·169	·172	·171	88	87	88
Year -	29·661	47·5	45·3	46·4	39·4	53·3	—	—	—	—	2·7	1·6	2·2	·275	·273	·274	81·2	88·2	84·7

CARGEN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·575	42·3	42·4	42·4	36·8	47·3	26·8	3rd	53·6	31st	1·7	1·3	1·5	·234	·243	·239	87	90	89
February -	30·164	36·2	37·4	36·8	32·6	43·4	23·6	9th	50·8	25th	1·2	1·3	1·3	·191	·198	·195	89	89	89
March -	29·646	43·0	42·8	42·9	36·7	49·6	22·6	3rd	56·8	16th	1·9	1·7	1·8	·236	·238	·237	85	87	86
April -	·739	45·2	43·6	44·4	35·9	52·9	25·6	12th	62·8	30th	3·3	2·6	3·0	·230	·228	·229	76	80	78
May -	·746	54·6	51·5	53·1	44·1	61·7	33·6	31st	**73·8**	**23rd**	3·6	2·6	3·1	·329	·315	·322	77	82	80
June -	·819	56·5	53·9	55·2	48·0	61·4	34·6	8th	69·6	10th	3·3	2·2	2·8	·363	·354	·359	79	86	83
July -	·753	57·9	55·3	56·6	48·9	63·7	41·0	11th	69·6	21st	3·4	1·9	2·7	·382	·383	·383	79	87	83
August -	·726	58·0	54·6	56·3	47·3	64·6	33·4	31st	73·0	4th	3·1	2·1	2·6	·390	·367	·379	81	87	84
September	·952	57·9	56·7	57·3	50·1	65·1	39·8	1st	71·6	6th	2·0	1·7	1·9	·420	·409	·415	87	89	88
October -	·920	49·2	49·1	49·2	43·0	55·9	23·0	28th	62·4	12th	1·8	1·7	1·8	·306	·307	·307	88	88	88
November	29·691	40·6	41·9	41·3	35·0	48·1	22·0	27th	56·4	19th	1·1	1·1	1·1	·230	·244	·237	91	92	92
December	30·003	33·7	33·8	33·8	29·5	37·2	**18·0**	**14th**	51·8	1st	0·9	1·0	1·0	·175	·174	·175	90	89	90
Year -	29·811	47·9	46·9	47·4	40·7	54·2	—	—	—	—	2·3	1·8	2·1	29·1	·288	·290	84·1	87·2	85·7

PINMORE.

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

1890.	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 -	7·6	7·8	7·7	5·510	·910	4th	23	1	0	0	1	17	5	—	—	—	—	—	—	—	—	—
February -	6·4	6·1	6·3	1·300	·400	2nd	11	2	0	0	4	10	1	0	0	8	5	2	0	1	1	39
March -	7·5	7·3	7·4	3·350	·500	16th	20	2	1	0	2	14	0	3	0	0	4	3	4	12	7	29
April -	6·1	6·3	6·2	1·890	·430	20th	13	2	0	0	4	10	1	2	0	10	4	4	4	3	4	29
May -	7·5	6·9	7·2	3·420	·720	16th	18	0	0	2	3	15	0	4	1	1	2	12	4	0	0	38
June -	8·6	8·2	8·4	5·450	·920	2nd	22	0	0	1	0	20	3	1	2	1	1	7	4	8	7	29
July -	8·4	7·6	8·0	4·540	·440	12th	22	0	0	0	1	21	2	5	0	0	2	5	1	3	9	37
August -	8·3	5·5	6·9	3·490	·640	22nd	19	0	0	0	0	13	1	4	2	0	2	0	6	10	12	26
September	9·4	6·5	8·0	5·700	·830	1st	18	0	0	1	0	14	2	1	0	0	4	8	6	4	2	35
October -	8·3	6·7	7·5	3·650	·590	30th	21	0	2	1	2	18	2	7	4	1	0	2	4	2	7	35
November	8·1	6·7	7·4	10·990	**1·860**	**5th**	23	0	0	0	1	16	1	4	1	1	3	8	5	1	2	35
December	7·1	7·4	7·3	1·960	·810	2nd	9	3	0	0	1	14	2	1	3	10	7	2	3	0	0	36
Year -	7·8	6·9	7·4	51·250	—	—	219	10	3	5	19	182	20	—	—	—	—	—	—	—	—	—

GLENLEE.

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

				ins.	ins.																	
January -	—	—	—	8·250	1·060	9th	27	5	0	1	—	—	6	2	0	0	1	20	13	13	3	10
February -	—	—	—	0·970	·390	1st	8	2	0	0	—	—	0	1	4	6	4	1	4	3	3	30
March -	—	—	—	3·870	·570	9th	23	2	1	1	—	—	7	1	2	4	6	5	11	12	10	11
April -	—	—	—	1·970	·510	21st	14	1	1	1	—	—	1	3	1	9	7	5	3	7	7	18
May -	—	—	—	4·010	1·110	16th	18	0	0	3	—	—	2	0	1	13	12	12	5	0	6	13
June -	—	—	—	5·790	·720	10th	22	0	0	2	—	—	2	1	1	4	5	6	10	14	7	12
July -	—	—	—	3·810	·110	2nd	22	0	0	4	—	—	1	0	1	2	1	1	20	19	7	11
August -	—	—	—	3·090	·850	14th	20	0	2	2	—	—	1	3	0	2	7	3	14	12	2	19
September	—	—	—	4·370	·730	30th	20	0	0	1	—	—	3	0	1	2	5	8	18	4	3	19
October -	—	—	—	3·600	·570	14th	20	1	0	1	—	—	4	2	0	1	0	3	22	14	8	12
November	—	—	—	13·090	**2·070**	**6th**	24	0	0	1	—	—	2	2	3	0	1	5	15	10	4	20
December	—	—	—	1·800	·840	2nd	3	0	0	0	—	—	0	1	7	10	6	4	0	0	7	27
Year -	—	—	—	54·620	—	—	221	11	4	17	—	—	29	16	21	53	55	73	135	108	67	202

CARGEN.

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

				ins.	ins.																	
January -	5·8	5·8	5·8	6·290	·900	21st	22	1	0	1	1	3	11	6	2	0	1	17	17	14	5	0
February -	5·0	5·4	5·2	1·000	·440	1st	5	2	0	0	4	5	0	8	8	29	3	4	2	1	1	0
March -	5·0	5·2	5·1	2·590	·460	28th	17	1	0	1	5	4	5	4	9	11	1	4	11	15	7	0
April -	4·9	5·6	5·3	1·440	·470	21st	12	1	2	2	1	2	1	7	14	14	8	5	2	3	7	0
May -	4·7	5·0	4·9	3·180	·890	16th	15	0	0	3	0	3	0	4	0	24	11	10	8	2	3	0
June -	6·0	5·3	5·7	3·960	·650	10th	22	0	0	3	0	3	2	3	3	9	5	5	11	16	8	0
July -	5·3	5·5	5·4	3·230	·560	7th	19	0	2	3	1	2	0	7	11	6	1	7	9	11	10	0
August -	5·0	4·9	5·0	3·080	·740	14th	20	0	2	1	0	0	1	11	6	10	2	4	10	8	11	0
September	5·4	4·8	5·1	3·030	·540	20th	17	0	0	1	3	2	0	2	7	9	5	6	11	15	5	0
October -	6·3	4·7	5·5	1·500	·440	14th	12	0	0	0	3	3	3	5	13	3	0	2	18	14	7	0
November	5·6	5·4	5·5	9·280	**2·320**	**6th**	20	0	0	1	3	3	3	12	7	9	5	7	8	5	7	0
December	6·3	6·3	6·3	0·950	·560	2nd	4	1	0	0	0	8	0	6	7	31	8	0	3	5	2	0
Year -	5·4	5·3	5·4	39·530	—	—	185	6	6	16	21	38	26	75	87	155	50	71	110	109	73	0

DURHAM

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·320	39·8	40·7	40·3	35·4	46·3	19·8	3rd	56·7	31st	1·5	1·2	1·4	·221	·234	·228	88·3	89·8	89·1
February -	·855	36·2	36·5	36·4	32·5	42·5	26·5	28th	52·0	1st	1·0	1·0	1·0	·195	·198	·197	89·6	90·6	90·1
March -	·339	42·5	41·7	42·1	36·5	49·7	25·8	4th	62·3	27th	2·1	1·6	1·9	·232	·235	·234	83·1	86·5	84·8
April -	·447	44·1	40·7	42·4	34·5	51·1	27·9	11th	63·8	30th	3·0	1·9	2·5	·228	·216	·222	78·6	84·1	81·4
May -	·468	52·1	48·1	50·1	42·7	59·4	34·5	4th	74·6	22nd	3·0	1·7	2·4	·316	·298	·307	81·5	88·5	85·0
June -	·527	57·2	53·2	55·2	47·3	64·8	35·5	8th	73·0	23rd	3·6	1·8	2·7	·368	·361	·365	78·6	88·4	83·5
July -	·437	58·9	53·7	56·3	49·3	65·6	42·7	5th	74·0	21st	4·1	1·8	3·0	·381	·366	·374	76·0	88·1	82·1
August -	·442	57·6	53·1	55·4	48·9	65·0	38·6	31st	**77·5**	**5th**	2·9	1·2	2·1	·395	·375	·385	82·3	91·9	87·1
September	·677	58·4	56·1	57·3	50·4	67·6	35·6	1st	76·3	8th	2·0	1·5	1·8	·430	·408	·419	87·5	89·9	88·7
October -	·597	49·5	47·7	48·6	42·8	55·7	28·2	28th	66·2	12th	2·0	1·5	1·8	·314	·302	·308	86·5	89·5	88·0
November	·392	40·3	40·3	40·3	34·0	47·2	22·9	29, 30	60·9	19th	1·2	0·9	1·1	·232	·238	·235	90·2	91·9	91·1
December	29·695	32·4	32·9	32·7	29·5	36·8	**19·2**	**22nd**	48·9	1st	0·7	0·9	0·8	·172	·171	·172	91·5	89·7	90·6
Year -	29·516	47·4	45·4	46·4	40·3	54·3	—	—	—	—	2·3	1·4	1·9	·290	·284	·287	84·5	89·1	86·8

NEWTON REIGNY

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·082	40·3	41·4	40·9	36·1	46·1	28·8	3rd	51·4	7th	1·2	1·0	1·1	·230	·246	·238	90·9	92·2	91·6
February -	·595	34·0	35·4	34·7	31·1	41·6	22·8	8th	49·8	1st	0·4	0·5	0·5	·191	·199	·195	95·9	95·0	95·5
March -	·106	41·7	40·4	41·1	35·2	47·5	19·0	3rd	58·2	16th	1·2	0·4	0·8	·246	·247	·247	91·0	96·5	93·8
April -	·198	43·7	40·5	42·1	34·5	51·1	26·8	11th	62·8	30th	2·2	1·1	1·7	·241	·231	·236	84·4	91·3	87·9
May -	·207	52·5	48·9	50·7	42·1	59·9	34·0	28th	70·3	24th	3·0	1·6	2·3	·320	·309	·315	81·0	88·9	85·0
June -	·290	54·4	52·5	53·5	46·1	61·3	33·2	8th	69·2	10th	2·2	1·2	1·7	·365	·365	·365	86·2	92·3	89·3
July -	·213	55·5	53·4	54·5	48·2	61·9	37·2	20th	68·0	31st	2·3	1·0	1·7	·379	·384	·382	85·8	93·5	89·7
August -	·206	56·0	52·1	54·1	47·1	61·9	34·6	30th31st	69·8	4th	3·0	1·9	2·5	·367	·344	·356	81·0	87·9	84·5
September	·431	57·6	55·4	56·5	49·5	64·5	35·5	1st	**73·8**	**8th**	2·4	2·0	2·2	·406	·384	·395	85·1	87·1	86·1
October -	·381	47·1	46·8	47·0	41·4	54·1	21·0	28th	65·0	12th	1·4	1·5	1·5	·300	·294	·297	89·8	89·1	89·5
November	·154	38·7	40·5	39·6	33·0	47·2	18·2	29th	58·1	19th	1·0	0·8	0·9	·223	·243	·233	92·2	93·2	92·7
December	29·430	31·3	31·5	31·4	27·6	35·6	**13·8**	**13th**	49·8	2nd	0·5	0·7	0·6	·170	·168	·169	94·6	92·9	93·8
Year -	29·274	46·1	44·9	45·5	39·3	52·7	—	—	—	—	1·7	1·1	1·4	·287	·285	·286	88·2	91·7	90·0

AYSGARTH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·026	39·4	40·8	40·1	35·3	45·8	14·2	3rd	54·5	31st	1·8	1·7	1·8	·212	·226	·219	85·9	86·3	86·1
February -	·523	34·7	35·0	34·9	31·5	40·7	25·3	6th	49·7	23rd	0·9	1·0	1·0	·183	·183	·183	89·5	89·0	89·3
March -	·034	41·2	40·0	40·6	35·1	46·4	17·5	3rd	55·2	16th	2·1	1·7	1·9	·220	·217	·219	82·9	85·3	84·1
April -	·126	43·3	39·4	41·4	34·2	49·4	25·3	11th	60·0	30th	3·3	1·7	2·5	·216	·210	·213	77·2	87·0	82·1
May -	·144	52·6	47·9	50·3	42·6	59·4	32·0	2nd	71·8	22nd	4·0	2·4	3·2	·298	·280	·289	75·6	83·5	79·6
June -	·223	55·8	51·5	53·7	47·3	61·7	34·3	8th	70·2	15th	3·9	1·8	2·9	·340	·336	·338	76·5	87·8	82·2
July -	·146	56·6	52·1	54·4	48·4	63·7	40·3	12th	74·2	21st	4·0	1·8	2·9	·350	·346	·348	76·1	87·8	82·0
August -	·131	56·6	51·7	54·2	47·9	63·9	35·0	31st	76·2	6th	3·2	1·5	2·4	·373	·348	·361	80·5	89·7	85·1
September	·365	59·3	54·8	57·1	49·9	66·9	34·5	1st	**78·1**	**7th**	3·3	1·9	2·6	·407	·379	·393	80·6	87·8	84·2
October -	·298	49·4	46·5	48·0	42·3	55·5	23·2	28th	67·5	12th	2·5	1·7	2·1	·301	·284	·293	82·7	86·8	84·8
November	·079	40·0	40·3	40·2	33·7	47·2	19·7	29th	60·5	1st	1·4	1·4	1·4	·224	·229	·227	88·0	87·5	87·8
December	29·353	31·0	31·0	31·0	27·8	34·8	**12·5**	**14th**	47·5	1st	0·9	1·0	1·0	·158	·155	·157	88·6	87·5	88·1
Year -	29·204	46·7	44·3	45·5	39·7	53·0	—	—	—	—	2·6	1·6	2·1	·274	·266	·270	82·0	87·2	84·6

DURHAM.

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

1890.	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 - -	7·7	7·4	7·6	2·077	·218	9th	21	4	1	0	0	16	3	1	0	0	1	17	19	8	3	13
February - -	9·0	8·2	8·6	1·315	·750	15th	14	3	0	0	1	21	0	4	6	2	9	3	5	1	3	23
March - -	8·6	7·5	8·1	2·019	·402	23rd	17	5	0	1	0	17	1	3	3	1	2	4	14	8	8	19
April - -	6·8	8·2	7·5	0·666	·137	25th	16	4	2	0	2	15	0	6	6	5	0	2	7	4	5	25
May - -	8·2	7·7	8·0	2·334	·445	7th	16	0	1	1	2	20	0	3	5	5	2	7	2	5	2	31
June - -	9·1	8·6	8·9	2·357	·971	30th	16	0	1	4	0	20	0	1	1	2	1	3	11	11	9	21
July - -	8·7	8·9	8·8	1·790	·387	2nd	16	0	0	2	0	24	0	2	3	0	0	1	15	10	7	24
August - -	8·5	7·9	8·2	4·985	**1·805**	**12th**	21	0	1	4	0	18	0	2	1	2	0	1	10	8	4	34
September -	8·5	7·0	7·8	1·821	·437	21st	13	0	0	2	3	17	0	0	0	0	2	6	12	10	4	26
October - -	6·7	5·8	6·3	1·475	·331	26th	15	1	1	0	3	11	0	3	0	0	0	2	10	14	13	20
November -	8·5	6·7	7·6	3·372	·828	23rd	24	6	1	0	2	14	0	1	3	2	2	12	8	6	7	19
December -	9·1	9·2	9·2	1·733	·248	25th	16	8	4	0	1	26	0	1	7	9	0	8	3	1	0	33
Year - -	8·3	7·8	8·1	25·944	—	—	205	31	12	14	14	219	4	27	35	28	19	66	116	86	65	288

NEWTON REIGNY.

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

				ins.	ins.																
January - -	7·9	7·3	7·6	5·780	·600	21st	29	6	4	0	2	16	10	1	0	1	11	8	19	15	2	5
February - -	6·6	6·2	6·4	0·740	·240	1st	8	5	0	0	4	12	0	2	3	1	17	2	2	6	5	18
March - -	7·5	6·5	7·0	2·550	·360	20th	22	6	1	0	0	14	4	2	5	2	8	7	12	15	5	6
April - -	6·9	5·1	6·0	1·060	·360	6th	13	1	2	1	3	9	1	6	2	9	10	3	4	8	7	11
May - -	6·8	6·7	6·8	2·450	·630	11th	14	0	1	0	5	15	0	3	4	4	18	10	3	6	5	9
June - -	8·4	7·3	7·9	2·920	·700	10th	22	0	1	1	0	15	0	2	3	2	6	9	18	10	3	7
July - -	8·5	8·4	8·5	1·820	·220	3rd	22	0	0	0	0	20	1	5	4	2	2	8	14	13	6	8
August - -	7·9	6·7	7·3	3·630	·530	22nd	22	0	0	1	2	15	0	6	0	3	6	4	11	10	9	13
September -	6·7	5·8	6·3	3·300	**1·610**	**30th**	14	0	0	0	6	12	0	2	0	1	16	5	17	6	3	10
October - -	7·7	6·1	6·9	2·810	·510	14th	20	1	1	1	3	13	0	1	0	1	7	3	15	10	12	13
November -	7·6	6·8	7·2	5·540	1·230	8th	25	7	0	0	1	13	1	0	2	2	12	8	6	10	8	12
December -	8·4	7·8	8·1	0·460	·150	23rd	7	3	0	0	0	18	0	1	4	7	19	4	0	0	3	24
Year - -	7·6	6·7	7·2	33·060	—	—	218	29	10	4	26	172	17	31	27	35	132	71	121	109	68	136

AYSGARTH.

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

				ins.	ins.																
January - -	6·1	5·6	5·9	4·400	·730	26th	26	6	5	1	3	7	7	2	2	1	0	4	24	18	5	6
February - -	8·1	7·4	7·8	1·050	·610	15th	10	7	0	0	1	17	0	7	8	12	4	1	5	8	0	11
March - -	7·5	6·6	7·1	2·620	·470	24th	22	6	0	1	0	14	2	5	4	2	1	5	16	13	11	5
April - -	5·7	5·7	5·7	1·390	·260	6th	15	3	0	1	7	10	1	2	12	4	1	3	4	10	10	14
May - -	4·9	6·1	5·5	2·260	·510	16th	15	0	1	2	4	7	0	4	5	17	5	2	9	7	4	9
June - -	7·4	7·0	7·2	3·330	·960	10th	17	0	0	1	1	13	0	5	1	2	0	3	12	13	7	17
July - -	7·4	7·1	7·3	2·170	·410	16th	21	0	0	1	1	15	2	3	4	3	0	1	16	17	10	8
August - -	7·0	5·5	6·3	5·885	**1·090**	**10th**	23	0	0	3	3	8	1	3	4	7	0	0	10	14	7	17
September -	5·4	4·9	5·2	1·735	·690	30th	15	0	0	3	6	7	2	0	3	0	5	1	16	14	3	18
October - -	6·3	4·8	5·6	1·510	·210	14th	15	1	1	0	4	7	3	2	0	0	0	0	13	18	13	16
November -	6·6	5·6	6·1	5·050	·950	8th	23	6	0	0	2	5	3	1	7	1	3	0	15	8	11	14
December -	8·3	8·3	8·3	1·290	·320	27th	13	10	1	0	3	23	2	2	7	17	8	0	3	4	2	19
Year - -	6·7	6·2	6·5	32·690	—	—	215	39	8	13	35	133	23	36	57	66	27	20	143	144	83	154

SCARBOROUGH

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
					Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·588	40·3	42·3	41·3	36·6	45·8	22·3	3rd	54·2	7th	1·0	1·1	1·1	·232	·252	·242	91·5	91·7	91·6
February	30·065	38·2	38·2	38·2	35·4	41·4	30·3	6, 28	49·4	1st	0·9	0·9	0·9	·214	·213	·214	92·7	91·9	92·3
March	29·566	42·8	42·1	42·5	37·8	48·2	24·3	4th	58·2	12, 28	1·9	1·3	1·6	·239	·244	·242	85·3	88·8	87·1
April	·655	44·4	42·0	43·2	37·9	48·4	30·3	1st	59·7	30th	2·5	1·8	2·2	·239	·230	·235	82·0	85·7	83·9
May	·680	52·0	48·9	50·5	44·6	55·9	36·8	2nd	70·9	22nd	2·4	1·7	2·1	·328	·306	·317	84·6	88·6	86·6
June	·754	58·0	54·6	56·3	49·5	63·0	40·7	1st	70·8	16th	3·0	1·1	2·1	·396	·397	·397	82·3	92·5	87·4
July	·659	58·4	55·6	57·0	51·2	64·1	41·3	12th	73·2	23rd	3·1	2·2	2·7	·398	·381	·390	81·8	86·3	84·1
August	·637	58·3	55·0	56·7	51·4	63·4	44·6	29th	78·2	5th	3·4	2·4	2·9	·391	·368	·380	80·0	84·6	82·3
September	·894	58·2	56·8	57·5	52·9	64·8	41·1	1st	74·3	8th	2·4	2·2	2·3	·415	·400	·408	85·1	86·5	85·8
October	·816	48·9	48·3	48·6	43·9	54·1	31·0	28th	63·8	4th	2·1	2·0	2·1	·302	·294	·298	85·4	85·6	85·5
November	·620	41·9	42·2	42·1	37·3	47·1	26·5	30th	55·7	20th	1·3	1·2	1·3	·242	·247	·245	90·0	90·0	90·0
December	29·910	34·3	34·8	34·6	31·5	37·3	22·5	21st	44·8	4th	—	—	—	—	—	—	—	—	—
Year	29·737	48·0	46·7	47·4	42·5	52·8	—	—	—	—	—	—	—	—	—	—	—	—	—

CRONKBOURNE (Douglas), ISLE OF MAN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·571	44·0	44·4	44·2	39·5	47·8	33·0	15th	52·9	9th	1·8	1·7	1·8	·254	·259	·257	86·9	87·4	87·2
February	30·066	39·8	39·4	39·6	35·7	43·8	28·3	28th	51·0	25th	1·9	1·7	1·8	·210	·209	·210	84·7	85·9	85·3
March	29·606	44·9	43·2	44·1	38·4	48·0	28·1	3rd	54·5	11th	2·0	1·4	1·7	·258	·252	·255	85·4	88·9	87·2
April	·679	47·4	43·4	45·4	38·8	50·8	29·8	12th	58·5	30th	2·7	1·3	2·0	·265	·254	·260	81·1	90·0	85·6
May	·673	53·7	50·4	52·1	46·0	58·0	39·2	19th	68·7	24th	3·4	1·9	2·7	·326	·319	·323	79·3	87·1	83·2
June	·779	55·8	52·5	54·2	47·7	60·2	35·7	8th	64·8	23rd	2·5	1·1	1·8	·376	·367	·372	84·6	92·5	88·6
July	·713	58·3	54·3	56·3	50·6	62·7	45·0	12th	69·0	23rd	2·9	1·3	2·1	·401	·386	·394	82·5	90·8	86·7
August	·690	58·1	53·3	55·7	50·5	61·9	43·3	31st	63·8	4th	3·0	1·6	2·3	·398	·369	·384	81·9	89·5	85·7
September	·993	59·3	55·8	57·6	51·2	62·5	43·3	1st	67·3	5th	2·1	1·2	1·7	·441	·413	·427	87·3	92·0	89·7
October	·895	52·3	50·5	51·4	45·7	55·7	27·6	28th	61·8	4th	2·1	1·6	1·9	·343	·333	·338	85·7	88·4	87·1
November	·637	46·4	44·5	45·5	39·3	50·0	28·0	29th	58·5	18th	1·7	1·4	1·6	·282	·268	·275	87·2	89·1	88·2
December	29·894	37·7	38·3	38·0	34·4	40·6	19·0	20th	51·2	1st	1·6	1·9	1·8	·200	·198	·199	86·5	84·7	85·6
Year	29·759	49·8	47·5	48·7	43·2	53·5	—	—	—	—	2·3	1·5	1·9	·313	·302	·308	84·4	88·9	86·7

YORK

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·728	40·8	42·9	41·9	36·5	48·1	21·1	3rd	57·0	25th	1·7	1·8	1·8	·219	·237	·228	87	86	87
February	30·194	37·7	37·3	37·5	33·3	42·8	25·0	28th	51·0	1st, 3rd	1·2	1·2	1·2	·203	·199	·201	90	90	90
March	29·710	43·8	43·4	43·6	37·8	50·3	25·0	3rd, 4th	61·3	28th	2·3	1·8	2·1	·237	·243	·240	82	86	84
April	·787	43·9	43·0	43·5	35·8	52·3	27·3	1st	60·0	30th	3·1	2·6	2·9	·221	·223	·222	77	80	79
May	·797	54·0	51·4	52·7	44·1	62·7	34·3	2nd	72·5	24th	4·1	3·0	3·6	·308	·305	·307	74	80	77
June	·884	58·0	55·2	56·6	49·6	64·7	40·0	1st	72·0	10, 16	4·4	2·3	3·4	·357	·370	·364	74	85	80
July	·796	59·2	56·5	57·9	50·5	65·8	42·6	20th	72·8	21st	4·2	2·9	3·6	·378	·374	·376	75	82	79
August	29·791	58·4	55·1	56·8	50·1	65·8	38·0	31st	79·9	5th	3·5	2·3	2·9	·385	·369	·377	79	85	82
September	30·043	58·3	58·2	58·3	51·4	67·5	37·2	1st	75·6	8th	2·3	2·4	2·4	·417	·412	·415	85	85	85
October	29·967	49·4	48·6	49·0	42·4	56·0	25·5	28th	65·1	12th	2·7	2·3	2·5	·287	·287	·287	82	84	83
November	29·757	41·0	41·8	41·4	34·6	48·5	23·4	27th	57·0	18,19,20	1·4	1·1	1·3	·227	·242	·235	89	92	91
December	30·034	32·3	32·8	32·6	28·4	35·7	13·0	22nd	46·0	4th	0·7	0·8	0·8	·168	·170	·169	91	91	91
Year	29·874	48·1	47·2	47·7	41·2	55·0	—	—	—	—	2·6	2·0	2·3	·284	·286	·285	82·1	85·5	83·8

SCARBOROUGH.

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January	6·0	5·2	5·6	2·040	·260	9th	20	1	0	0	4	8	8	1	1	2	0	2	50	6	0	0
February	8·4	6·9	7·7	1·970	·700	15th	13	3	2	0	1	17	1	2	11	10	12	1	15	4	1	0
March	6·7	6·3	6·5	1·960	·700	19th	19	4	1	1	3	11	4	1	5	1	5	8	25	7	9	1
April	5·7	5·4	5·6	0·920	·140	24th	17	2	2	1	5	8	1	8	5	10	5	6	13	4	8	1
May	5·9	4·4	5·2	2·610	·770	10th	15	0	0	0	6	7	0	3	16	9	7	5	13	1	8	0
June	6·8	6·2	6·5	2·190	·780	30th	17	0	0	1	0	9	0	3	1	1	4	3	32	11	5	0
July	6·6	6·5	6·6	1·650	·300	18th	16	0	0	0	0	5	2	4	6	2	1	1	27	5	14	2
August	6·1	5·6	5·9	3·870	·820	1st	22	0	0	3	4	6	1	7	4	5	3	0	8	20	13	2
September	6·2	3·6	4·9	1·570	·520	21st	12	0	0	0	6	6	0	2	0	0	7	7	25	12	5	2
October	5·3	5·3	5·3	2·210	·730	26th	15	3	2	1	5	6	1	2	2	1	0	2	26	19	10	0
November	5·5	5·1	5·3	2·910	·560	23rd	23	4	1	0	4	7	1	1	9	1	5	8	30	3	3	0
December	8·0	6·6	7·3	0·990	·250	27th	14	6	0	0	4	19	1	1	7	19	4	16	12	2	1	0
Year	6·4	5·6	6·0	24·890	—	—	203	23	8	7	42	109	20	35	67	61	53	59	276	94	77	8

CRONKBOURNE (Douglas), ISLE OF MAN.

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

				ins.	ins.																	
January	7·3	7·7	7·5	4·770	·668	21st	23	1	3	0	0	14	14	3	1	0	5	8	16	20	6	3
February	7·7	6·5	7·1	1·692	·535	1st	10	1	0	0	2	13	2	6	5	10	16	0	3	3	6	7
March	7·0	6·1	6·6	3·069	·512	9th	20	2	0	0	2	11	7	6	5	5	5	4	10	13	11	3
April	6·2	6·6	6·4	1·931	·334	29th	18	0	1	0	2	12	3	6	2	14	9	4	4	5	11	5
May	5·8	7·2	6·5	3·395	1·250	16th	18	0	2	2	1	9	2	4	7	19	11	4	5	3	7	2
June	7·2	8·1	7·7	3·936	·562	10th	22	0	0	1	0	13	2	5	4	2	3	6	12	11	15	2
July	6·8	7·7	7·3	2·683	·722	7th	15	0	0	0	0	14	3	5	2	1	3	3	13	11	22	2
August	6·9	6·0	6·5	3·888	1·280	10th	15	0	0	0	1	7	2	8	2	6	2	1	6	17	18	2
September	7·0	6·2	6·6	4·060	1·130	30th	17	0	0	1	2	14	6	6	1	2	9	5	10	17	7	3
October	7·7	6·4	7·1	2·318	·458	6th	17	2	2	0	0	12	6	12	0	0	1	1	11	19	16	2
November	7·0	7·1	7·1	10·352	2·558	6th	26	2	3	0	1	14	4	6	6	0	4	4	12	12	12	4
December	8·1	8·6	8·4	2·790	1·143	22nd	16	2	2	0	0	23	2	6	8	19	19	3	2	1	0	4
Year	7·1	7·0	7·1	44·884	—	—	217	10	13	4	11	156	53	73	43	78	87	43	104	132	131	39

YORK.

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

				ins.	ins.																	
January	6·4	4·6	5·5	2·210	·450	21st	22	4	1	0	4	5	1	2	0	1	4	25	9	19	1	1
February	8·9	6·6	7·8	0·770	·450	15th	8	3	0	0	0	17	0	15	2	22	4	4	2	3	3	1
March	7·5	6·6	7·1	1·370	·270	24th	17	3	1	2	3	14	0	6	3	3	4	10	8	21	7	0
April	6·1	5·4	5·8	0·700	·220	12th	9	1	0	0	4	9	0	18	2	16	6	5	2	9	2	0
May	5·8	5·9	5·9	1·980	·340	10th	12	0	0	2	5	9	0	9	6	22	6	9	3	5	2	0
June	6·9	7·1	7·0	2·280	·770	30th	17	0	0	2	0	11	0	6	2	2	2	11	5	29	3	0
July	7·1	6·7	6·9	2·620	·770	16th	17	0	0	1	0	12	0	7	4	4	0	9	9	22	7	0
August	6·1	6·1	6·1	3·970	·880	10th	17	0	0	1	4	11	1	4	2	11	3	6	5	24	7	0
September	6·4	4·6	5·5	2·080	·430	21st	14	0	0	1	3	6	0	2	0	8	5	15	6	22	2	0
October	5·7	5·8	5·8	1·220	·290	28th	14	0	0	0	3	8	1	10	0	2	1	8	6	30	4	1
November	6·7	5·9	6·3	2·970	·580	23rd	25	4	0	0	2	5	0	12	4	4	4	15	1	14	4	2
December	8·5	8·4	8·5	0·760	·100	25th	15	6	0	0	2	20	0	7	4	24	8	13	0	0	2	4
Year	6·8	6·1	6·5	22·930	—	—	187	21	2	9	30	127	3	98	29	119	47	130	56	198	44	9

STONYHURST

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature. 9 a.m.	9 p.m.	Mean.	Means of Min.	Means of Max.	Absolute Min. Min.	Absolute Min. Day.	Absolute Max. Max.	Absolute 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 -	29·385	40·2	41·8	41·0	36·6	46·1	21·0	3rd	53·1	7th	1·8	1·7	1·8	·218	·234	·226	85·2	86·1	85·7
February -	·835	35·9	36·4	36·2	32·8	41·6	25·9	28th	49·6	25th	1·7	1·9	1·8	·178	·180	·179	83·3	82·7	83·0
March -	·375	42·5	41·2	41·9	36·5	47·2	22·7	3rd	55·6	16th	2·3	1·6	2·0	·227	·228	·228	81·4	85·9	83·7
April -	·442	43·5	42·3	42·9	36·3	50·1	29·1	4th	61·0	30th	3·3	2·5	2·9	·218	·220	·219	76·9	81·2	79·1
May -	·446	54·5	50·2	52·4	44·6	60·1	37·1	27th	71·0	24th	4·9	2·8	3·9	·303	·296	·300	71·2	81·3	76·3
June -	·552	56·5	53·5	55·0	48·8	61·0	38·1	8th	68·6	10th	3·7	2·3	3·0	·357	·351	·354	78·0	85·0	81·5
July -	·477	57·1	54·5	55·8	50·4	62·2	42·9	12th	68·6	31st	3·8	2·3	3·1	·363	·364	·364	77·5	84·7	81·1
August -	·464	57·3	54·2	55·8	50·2	61·9	38·9	31st	70·1	5th	3·2	2·1	2·7	·382	·365	·374	80·4	86·1	83·3
September	·706	57·4	56·0	56·7	51·3	63·0	38·7	1st	**72·8**	**8th**	2·2	2·1	2·2	·409	·391	·400	86·5	86·9	86·7
October -	·657	48·4	47·8	48·1	43·1	53·7	24·1	28th	59·8	12th	2·1	2·0	2·1	·296	·291	·294	84·5	85·2	84·9
November	·416	41·5	42·1	41·8	36·8	47·4	25·1	27th	55·8	19th	1·7	1·6	1·7	·232	·240	·236	85·3	85·5	85·4
December	29·666	31·3	32·0	31·7	28·4	35·8	**13·1**	**22nd**	43·8	4th	1·4	1·4	1·4	·147	·153	·150	81·2	82·6	81·9
Year -	29·535	47·2	46·0	46·6	41·3	52·5	—	—	—	—	2·7	2·0	2·4	·278	·276	·277	81·0	84·4	82·7

WAKEFIELD

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·690	41·1	44·0	42·6	37·8	48·9	19·2	3rd	57·3	7th	1·1	0·9	1·0	·234	·267	·251	91	93	92
February -	30·142	37·0	37·3	37·1	34·0	42·2	25·9	6th	48·3	1st	1·1	0·8	1·0	·198	·207	·202	90	93	92
March -	29·659	42·6	43·3	43·0	37·7	49·4	23·2	4th	62·0	28th	1·1	0·8	0·9	·249	·262	·256	91	94	92
April -	·736	43·1	42·9	43·0	35·7	51·2	25·3	1st	63·6	30th	1·9	1·4	1·7	·237	·245	·241	85	89	87
May -	·743	53·7	51·5	52·6	43·9	62·1	35·4	1st	72·4	24th	2·3	1·5	1·9	·349	·342	·345	85	90	88
June -	·832	57·0	55·7	56·3	48·9	63·6	36·2	8th	70·4	10th	2·0	1·2	1·6	·406	·409	·408	87	92	89
July -	·754	58·4	56·2	57·3	51·2	64·9	43·2	20th	72·6	21, 31	2·8	1·7	2·2	·404	·401	·402	83	89	86
August -	·748	57·5	55·0	56·3	50·7	64·8	40·1	31st	77·4	5th	2·8	1·5	2·2	·391	·389	·390	83	90	87
September	·999	57·5	57·3	57·4	50·2	66·7	33·2	1st	**78·4**	**8th**	2·0	1·8	1·9	·413	·416	·415	87	89	88
October -	·932	48·2	48·6	48·4	42·7	56·4	21·4	28th	68·2	12th	2·0	1·5	1·7	·288	·305	·296	85	89	87
November	·714	39·8	42·0	40·9	34·9	49·3	23·0	30th	58·5	15th	1·2	1·2	1·2	·220	·240	·230	90	90	90
December	29·980	31·6	32·3	31·9	29·0	35·8	**11·8**	**22nd**	45·5	2nd	0·6	0·6	0·6	·163	·170	·167	92	93	92
Year -	29·827	47·3	47·2	47·3	41·4	54·6	—	—	—	—	1·7	1·2	1·5	·296	·304	·300	87·4	90·9	89·2

PRESTWICH

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·442	40·4	42·1	41·3	36·8	47·0	21·1	3rd	54·4	7th	1·2	1·3	1·3	·232	·247	·240	90·1	89·9	90·0
February -	·871	36·3	36·9	36·6	33·4	42·1	26·2	28th	49·0	1st	0·6	0·8	0·7	·203	·206	·205	93·9	92·8	93·4
March -	·427	42·8	41·8	42·3	37·3	48·8	23·2	4th	58·3	17th	1·8	1·3	1·6	·242	·242	·242	86·3	88·8	87·6
April -	·483	44·4	42·8	43·6	37·4	51·8	29·3	4th	63·5	30th	2·6	1·9	2·3	·239	·238	·239	81·7	86·3	84·0
May -	·486	54·6	50·3	52·5	45·0	61·2	36·3	31st	72·2	24th	3·3	1·7	2·5	·341	·326	·334	79·5	88·7	84·1
June -	·599	56·7	53·6	55·2	48·8	63·0	39·7	1st	69·7	15th	3·4	1·9	2·7	·366	·363	·365	79·3	87·8	83·6
July -	·519	57·3	54·8	56·1	50·0	64·1	41·6	12th	69·8	26th	3·4	1·6	2·5	·377	·387	·382	80·1	89·4	84·8
August -	·504	56·9	54·2	55·6	50·3	63·2	41·5	30th	72·7	4th	2·8	1·6	2·2	·387	·381	·384	82·9	89·9	86·4
September	·749	58·5	56·7	57·6	51·4	64·8	39·2	1st	**74·5**	**8th**	2·8	2·3	2·6	·408	·395	·402	83·3	85·6	84·5
October -	·704	48·0	47·4	47·7	42·3	54·4	24·3	28th	65·5	12th	1·7	1·7	1·7	·300	·292	·296	87·2	87·8	87·5
November	·463	41·6	42·5	42·1	37·1	48·3	25·2	27th	57·5	19th	1·4	1·4	1·4	·238	·249	·244	87·6	88·2	87·9
December	29·702	31·5	31·9	31·7	28·4	35·5	**13·0**	**20th**	45·3	5th	1·0	0·9	1·0	·159	·164	·162	87·7	89·3	88·5
Year -	29·579	47·4	46·3	46·9	41·5	53·7	—	—	—	—	2·2	1·5	1·9	·291	·291	·291	85·0	88·7	86·9

STONYHURST.

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

1890.	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 -	8·1	7·8	8·0	5·910	·625	26th	30	4	4	1	2	21	0	0	5	0	0	10	24	16	1	6
February -	6·9	7·5	7·2	0·868	·240	1st	11	1	0	0	2	15	0	5	15	13	3	0	2	6	3	9
March -	8·3	7·0	7·7	4·534	·745	26th	23	4	2	0	1	17	1	3	5	1	2	3	16	11	6	15
April -	6·7	7·3	7·0	1·539	·598	6th	15	2	0	0	2	13	0	7	13	6	1	3	1	9	4	16
May -	5·8	5·7	5·8	2·561	·797	29th	13	0	0	2	7	10	0	3	18	10	4	5	8	8	4	2
June -	8·6	7·3	8·0	4·479	·738	2nd	22	0	0	2	1	17	0	0	4	0	1	2	13	22	4	14
July -	8·8	8·5	8·7	4·225	·690	25th	22	0	1	1	0	22	0	7	6	0	0	1	12	24	5	7
August -	7·4	7·6	7·5	7·035	1·240	22nd	22	0	3	2	1	15	0	1	5	6	0	2	14	15	4	15
September -	7·4	5·4	6·4	5·159	1·570	30th	19	0	0	3	5	13	0	1	2	2	5	4	17	10	0	19
October -	7·9	6·5	7·2	5·197	·800	24th	16	1	2	1	2	15	0	2	2	1	0	0	14	16	11	16
November -	8·0	6·1	7·1	8·172	**2·175**	**22nd**	23	4	1	0	1	13	1	3	7	0	2	3	8	15	6	16
December -	8·5	7·5	8·0	0·537	·135	15th	8	4	1	0	3	22	0	1	18	19	2	3	1	0	0	18
Year -	7·7	7·0	7·4	50·216	—	—	224	20	14	12	27	193	2	33	100	58	20	36	130	152	48	153

WAKEFIELD.

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

				ins.	ins.																	
January -	6·4	6·5	6·5	2·570	·590	26th	17	3	0	0	4	11	3	3	1	2	5	15	11	18	3	4
February -	8·5	8·8	8·6	1·000	·800	15th	6	2	0	0	0	20	0	11	7	12	6	2	2	4	4	8
March -	7·5	7·9	7·7	1·550	·550	23rd	11	0	0	2	0	15	0	5	3	1	9	5	14	18	4	3
April -	8·1	6·6	7·4	0·650	·400	12th	8	2	0	0	1	14	0	9	9	2	7	0	6	10	6	11
May -	5·7	6·4	6·0	2·800	·770	11th	11	0	0	4	3	9	0	9	16	10	3	7	3	4	3	7
June -	7·5	8·1	7·8	2·710	**1·080**	**10th**	12	0	0	1	0	15	0	3	3	2	3	7	12	21	7	2
July -	7·5	7·7	7·6	1·930	·470	16th	17	0	0	1	0	14	0	7	3	1	1	6	7	31	5	1
August -	8·7	8·0	8·4	3·410	·790	1st	18	0	1	2	0	20	1	2	2	4	3	1	14	24	6	6
September	7·2	5·6	6·4	1·460	·480	21st	9	0	0	0	3	10	0	1	0	1	9	14	7	17	3	8
October -	7·8	6·5	7·1	0·650	·140	25th	10	0	0	0	1	14	0	6	0	5	1	0	13	22	6	9
November	7·2	7·5	7·4	2·710	·510	23rd	19	3	0	0	0	8	1	8	0	1	2	3	7	16	5	18
December	9·0	9·5	9·2	0·770	·150	27th	11	5	0	0	0	26	0	9	11	12	6	1	1	0	4	18
Year -	7·6	7·4	7·5	22·210	—	—	149	15	1	10	12	176	5	73	55	53	55	61	97	185	56	95

PRESTWICH.

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

				ins.	ins.																	
January -	7·6	6·4	7·0	4·030	·960	21st	27	7	6	1	3	17	8	3	0	1	0	29	0	18	1	10
February -	7·1	5·8	6·5	0·480	·130	15, 28	9	5	0	0	5	14	0	13	2	18	3	4	0	1	3	12
March -	8·1	6·7	7·4	3·410	·870	9th	21	3	1	0	2	18	2	6	0	6	3	15	1	19	4	8
April -	7·4	5·2	6·3	1·030	·410	6th	15	0	2	0	6	14	2	5	0	19	1	5	0	8	3	19
May -	6·9	6·1	6·5	2·370	·660	29th	11	0	0	3	4	14	0	2	1	16	4	16	0	8	3	12
June -	8·8	7·3	8·1	3·700	·840	30th	21	0	0	5	1	19	0	3	0	4	1	9	0	25	4	14
July -	9·0	7·9	8·5	3·070	·340	25th	20	0	0	0	0	21	1	7	1	3	1	12	1	24	5	8
August -	8·1	6·3	7·2	4·880	·940	10th	20	0	2	5	4	16	1	3	0	7	2	10	0	17	3	20
September	8·0	4·4	6·2	1·730	·470	30th	15	0	0	0	4	11	0	1	0	1	6	17	2	16	1	16
October -	8·6	5·0	6·8	2·940	·460	16th	18	1	5	1	2	13	1	8	0	1	0	5	2	14	3	29
November	7·6	5·7	6·7	5·850	**1·170**	**22nd**	25	2	0	0	3	13	4	10	0	5	8	9	0	10	4	14
December	9·1	6·8	8·0	0·450	·120	23rd	9	9	0	0	1	19	2	5	0	24	8	1	0	1	0	23
Year -	8·0	6·1	7·1	33·940	—	—	211	27	16	15	35	189	21	66	4	105	37	132	6	161	34	185

LIVERPOOL

Long. 3° 4′ W. Lat. 53° 24′ N. Height above Mean Sea Level, 183 feet. Gravity Correction, + ·022.

1890.	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	29·567	42·3	43·3	42·8	38·4	48·3	22·5	3rd	56·4	16th	2·2	2·3	2·3	·227	·236	·232	83·0	82·8	82·9
February	30·004	36·5	38·0	37·3	34·8	41·7	29·4	11th	49·2	1st	1·4	1·6	1·5	·189	·198	·194	87·1	85·7	86·4
March	29·566	43·7	42·6	43·2	38·9	48·5	25·9	3rd	59·6	28th	2·6	2·1	2·4	·233	·234	·234	80·6	83·7	82·2
April	·621	45·3	44·1	44·7	39·8	51·5	34·7	2nd	63·4	30th	3·2	2·4	2·8	·235	·240	·238	77·4	83·1	80·3
May	·615	54·3	51·5	52·9	46·9	60·9	41·9	2nd	74·3	24th	4·9	3·1	4·0	·298	·307	·303	71·2	80·5	75·9
June	·739	56·9	54·5	55·7	51·2	62·5	43·5	8th	67·7	15th	3·5	2·4	3·0	·366	·360	·363	78·8	84·2	81·5
July	·663	57·9	56·2	57·1	53·3	63·6	48·1	12th	70·9	31st	3·8	2·4	3·1	·372	·387	·380	76·8	85·3	81·1
August	·643	57·8	55·8	56·8	52·8	63·0	46·0	30th	73·5	4th	3·7	2·5	3·1	·377	·377	·377	78·3	84·0	81·2
September	·879	58·7	57·4	58·1	53·2	64·7	43·4	1st	76·3	8th	3·1	2·5	2·8	·403	·400	·402	81·8	84·7	83·3
October	·849	50·6	50·2	50·4	46·0	55·8	34·6	28th	63·0	5th	2·9	2·3	2·6	·302	·310	·306	80·9	83·9	82·4
November	·605	42·7	43·9	43·3	39·8	48·8	27·0	27th	59·5	19th	1·4	1·1	1·3	·250	·269	·260	88·1	90·2	89·2
December	29·831	31·7	32·7	32·2	29·6	36·0	17·2	20th	47·5	1st	1·1	1·2	1·2	·156	·164	·160	85·4	87·2	86·3
Year	29·715	48·2	47·5	47·9	43·7	53·8	—	—	—	—	2·8	2·2	2·5	·284	·290	·287	80·8	84·6	82·7

LLANDUDNO

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·664	45·5	45·9	45·7	40·4	50·5	32·5	28th	57·8	7th	3·0	3·3	3·2	·238	·237	·238	78	77	78
February	30·108	39·1	39·9	39·5	35·1	43·3	29·0	13th	49·1	1st	2·4	2·2	2·3	·193	·202	·197	81	82	81
March	29·675	45·2	44·0	44·6	39·6	48·8	25·4	4th	57·0	28th	3·1	2·7	2·9	·233	·230	·232	77	80	79
April	·732	47·3	45·6	46·5	40·4	51·5	32·0	12th	64·8	30th	3·9	3·1	3·5	·238	·238	·238	73	78	75
May	·711	54·8	52·2	53·5	46·9	59·8	43·3	27th	74·2	24th	4·9	3·3	4·1	·302	·305	·303	70	78	74
June	·840	57·0	55·1	56·0	51·1	61·9	42·3	8th	69·4	15th	3·4	2·8	3·1	·366	·356	·361	79	82	81
July	·774	58·3	57·0	57·7	53·1	63·2	45·0	12th	69·2	13th	3·8	3·1	3·4	·374	·374	·374	77	80	78
August	·753	58·9	56·5	57·7	52·8	62·9	43·5	30th	72·9	4th	3·6	2·7	3·2	·389	·378	·384	78	83	81
September	·975	60·7	58·4	59·5	54·2	65·1	44·4	1st	75·1	8th	3·8	2·4	3·1	·412	·415	·413	78	85	81
October	·963	53·2	52·0	52·6	47·5	56·7	36·8	26th	64·0	12th	3·3	2·7	3·0	·318	·318	·318	78	82	80
November	·706	46·9	46·3	46·6	41·2	51·1	29·1	30th	60·2	19th	3·0	2·6	2·8	·252	·254	·253	78	81	80
December	29·926	35·0	35·4	35·2	30·9	39·2	20·0	20, 21	51·7	1st	1·8	1·7	1·7	·169	·174	·172	83	84	83
Year	29·819	50·2	49·0	49·6	44·4	54·5	—	—	—	—	3·3	2·7	3·0	·290	·290	·290	77·5	81·0	79·3

BUXTON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	28·743	38·5	39·6	39·1	34·6	43·0	15·5	3rd	55·0	—	1·0	1·0	1·0	·214	·223	·219	92	92	92
February	29·142	33·6	34·0	33·8	29·9	40·0	21·5	6th	44·0	—	0·7	0·8	0·8	·178	·179	·178	92	91	92
March	28·716	40·3	39·0	39·6	32·7	46·2	10·9	4th	55·6	28th	1·5	1·0	1·2	·219	·218	·219	88	92	90
April	·773	42·6	38·9	40·8	33·2	49·3	23·8	1, 2	62·1	30th	1·6	1·1	1·4	·238	·215	·226	87	91	89
May	·800	52·2	46·7	49·4	39·9	58·9	30·9	1st	71·2	24th	3·0	1·3	2·1	·312	·287	·300	80	90	85
June	·913	54·8	51·1	53·0	45·3	61·6	34·2	8th	69·5	16th	2·9	1·4	2·2	·349	·338	·343	81	90	85
July	·841	54·5	52·6	53·5	47·3	62·2	39·9	20th	70·2	16th	2·0	1·6	1·8	·367	·353	·360	86	89	88
August	28·828	55·9	52·1	54·0	47·9	62·5	33·8	30th	73·3	5th	3·2	1·7	2·4	·357	·344	·351	80	88	84
September	29·067	56·9	53·8	55·4	47·8	64·3	31·8	1st	74·7	8th	2·2	1·2	1·7	·399	·379	·389	86	91	88
October	29·002	48·0	46·3	47·1	40·8	53·7	32·1	27th	68·5	12th	2·1	1·7	1·9	·284	·274	·279	85	87	86
November	28·771	39·4	40·4	39·9	33·5	46·5	20·3	29th	55·2	21st	0·8	0·8	0·8	·225	·234	·229	93	93	93
December	28·980	28·1	27·8	28·0	23·4	32·3	3·9	22nd	43·5	4th	0·4	0·5	0·5	·142	·136	·139	92	89	91
Year	28·881	45·4	43·5	44·5	38·0	51·9	—	—	—	—	1·8	1·2	1·5	·274	·265	·269	86·8	90·3	88·6

LIVERPOOL.

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of							
	9a.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	7·3	5·8	6·6	2·919	·642	21st	22	2	1	1	2	11	9	0	1	1	14	9	19	17	1	0
February	6·9	7·1	7·0	0·565	·145	15th	9	2	0	0	2	13	0	5	5	18	10	3	5	2	5	3
March	7·3	5·9	6·6	1·611	·391	16th	16	3	0	0	1	9	7	2	4	3	9	7	12	20	4	1
April	6·6	7·2	6·9	1·151	·261	9th	16	0	1	1	0	10	3	3	8	10	11	3	4	11	6	4
May	6·1	6·6	6·4	1·649	·371	19th	15	0	0	4	0	7	0	1	10	12	15	2	6	5	7	4
June	8·6	7·6	8·1	2·889	·719	10th	18	0	0	4	0	17	0	1	1	1	5	4	12	23	7	6
July	7·7	8·4	8·1	2·148	·438	16th	18	0	0	0	0	16	1	3	2	1	2	2	13	26	12	1
August	7·5	7·0	7·3	4·522	1·733	10th	19	0	1	3	0	13	1	1	1	5	4	3	12	22	9	5
September	7·6	5·7	6·7	1·475	·458	17th	14	0	0	0	0	11	2	1	1	5	14	2	20	10	4	3
October	7·4	6·6	7·0	2·007	·540	25th	16	1	5	2	2	14	5	6	2	1	5	2	17	18	8	3
November	7·0	6·4	6·7	5·035	·966	6th	24	1	5	0	2	11	4	3	7	0	8	10	11	12	8	1
December	8·1	8·5	8·3	0·849	·137	22nd	12	4	0	0	0	19	0	3	6	25	22	2	1	0	1	2
Year	7·3	6·9	7·1	26·820	—	—	199	13	13	15	9	151	32	29	48	82	119	49	132	166	72	33

LLANDUDNO.

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

				ins.	ins.																	
January	6·9	4·9	5·9	3·677	1·025	21st	24	0	0	0	4	10	6	0	1	0	1	6	13	39	2	0
February	5·6	6·1	5·9	1·127	·317	15th	5	0	0	0	4	9	0	3	7	14	12	7	3	9	1	0
March	6·4	4·6	5·5	1·707	·334	9th	16	2	1	0	3	8	0	4	2	6	2	2	11	28	7	0
April	5·8	5·7	5·7	1·087	·230	10th	11	0	0	0	8	12	0	7	5	12	6	6	6	13	5	0
May	5·2	6·3	5·8	1·907	·416	16th	12	0	0	2	5	10	0	2	6	10	9	12	4	14	5	0
June	7·7	7·2	7·4	2·544	·350	25th	18	0	0	0	2	15	0	6	1	0	1	4	11	30	7	0
July	7·8	8·3	8·1	1·641	·280	20th	14	0	0	0	0	17	1	4	4	1	0	1	10	32	10	0
August	7·2	6·0	6·6	3·948	·920	10, 22	19	0	0	2	2	12	0	5	2	3	0	5	9	29	9	0
September	6·4	5·2	5·8	1·682	·400	30th	15	0	0	0	6	10	0	1	0	0	0	0	8	19	27	5	0
October	6·5	5·6	6·0	1·736	·320	25th	16	0	3	0	7	13	1	9	0	0	0	0	11	35	7	0
November	6·7	5·5	6·1	5·810	·990	6th	21	0	0	0	3	8	1	8	5	2	0	6	10	21	8	0
December	7·4	6·6	7·0	1·320	·200	1, 18, 22	11	1	0	0	3	15	0	5	5	28	4	12	7	1	0	0
Year	6·6	6·0	6·3	28·186	—	—	182	3	4	4	47	139	9	54	38	76	35	69	114	278	66	0

BUXTON.

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

				ins.	ins.																	
January	7·6	5·7	6·7	6·910	2·210	26th	25	5	0	0	3	10	2	0	0	6	2	10	21	22	0	1
February	8·2	7·7	7·9	0·945	·280	15th	13	4	0	0	0	17	0	2	2	28	1	0	5	4	4	10
March	7·6	6·6	7·1	4·995	·740	9th	22	5	1	0	1	12	0	5	3	4	2	5	9	29	1	4
April	7·9	6·2	7·1	1·635	·400	6th	18	2	1	1	1	10	0	8	5	20	3	1	1	4	13	5
May	7·7	5·8	6·7	3·210	·950	29th	14	0	0	2	0	9	0	0	8	13	13	0	8	3	10	7
June	8·1	7·6	7·9	4·685	·680	30th	20	0	0	1	0	17	0	0	2	2	1	3	12	19	11	10
July	8·0	7·9	7·9	4·780	·720	23rd	19	0	1	2	0	17	0	1	3	1	0	1	19	15	12	10
August	7·5	7·4	7·5	6·070	·955	10th	21	0	3	2	0	14	0	0	6	6	2	2	11	19	9	7
September	7·3	5·2	6·2	1·395	·220	23rd	16	0	0	0	2	11	0	0	1	3	10	1	13	17	3	12
October	7·4	6·0	6·7	4·280	1·025	15th	18	0	1	1	4	17	0	0	4	0	0	0	17	13	22	6
November	8·2	7·6	7·9	9·455	1·570	23rd	23	4	0	0	0	18	1	0	7	1	2	4	15	10	13	8
December	8·9	7·8	8·4	1·300	·310	26th	9	8	0	0	1	23	0	1	8	19	11	2	2	1	0	18
Year	7·9	6·8	7·3	49·660	—	—	218	28	7	9	12	175	3	17	49	103	47	29	133	156	98	98

CHEADLE

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·144	38·6	40·8	39·7	35·2	46·2	17·6	3rd	55·0	16th	1·0	1·1	1·1	·214	·231	·223	91	91	91
February -	·526	34·4	35·5	35·0	31·8	40·9	24·2	28th	50·5	25th	0·8	1·1	0·9	·183	·186	·184	92	89	91
March -	·107	41·2	40·8	41·0	35·7	47·9	21·4	4th	59·9	28th	1·9	1·7	1·8	·219	·219	·219	85	86	85
April -	·149	42·7	41·8	42·2	35·8	50·7	28·3	4th	62·7	30th	2·8	2·5	2·7	·216	·214	·215	79	81	80
May -	·161	51·6	49·2	50·4	43·7	60·1	35·2	31st	72·1	24th	3·8	2·5	3·1	·287	·288	·288	75	82	79
June -	·288	55·3	52·7	54·0	47·6	62·3	39·3	1st	68·4	15th	3·0	2·0	2·5	·353	·344	·348	81	86	83
July -	·205	56·1	54·3	55·2	49·3	63·0	42·9	12th	69·6	13th	3·2	2·5	2·9	·360	·352	·356	80	83	82
August -	·196	55·7	53·7	54·7	48·8	62·5	39·8	24th	**72·8**	**4th**	2·7	2·1	2·4	·366	·355	·361	82	86	84
September	·442	56·0	55·1	55·6	50·4	64·7	39·2	1st	**72·8**	**8th**	1·5	1·9	1·7	·404	·378	·391	90	87	88
October -	·387	47·2	46·7	46·9	41·7	54·0	29·0	27th	64·2	5th	1·9	1·6	1·7	·279	·280	·279	86	88	87
November	·145	39·8	41·2	40·5	36·2	47·1	23·3	27th	59·0	20th	0·8	0·8	0·8	·229	·241	·235	93	93	93
December	29·354	29·2	29·3	29·3	26·2	33·1	**16·4**	**20th**	41·9	4th	0·8	0·7	0·8	·139	·142	·141	86	88	87
Year -	29·259	45·7	45·1	45·4	40·2	52·7	—	—	—	—	2·0	1·7	1·9	·271	·269	·270	85·0	86·7	85·9

HILLINGTON

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·780	40·0	41·5	40·8	35·6	46·3	23·0	2nd	55·4	25th	1·1	0·9	1·0	·229	·248	·239	90·9	92·5	91·7
February -	30·123	36·6	36·0	36·3	32·3	42·4	24·0	23rd	49·0	1st	1·2	0·9	1·1	·194	·194	·194	88·9	91·0	90·0
March -	29·703	42·6	41·1	41·9	35·1	49·8	**6·0**	**4th**	61·8	28th	1·9	1·6	1·8	·239	·233	·236	84·0	87·1	85·6
April -	·727	46·4	40·7	43·6	35·6	52·4	26·1	2nd	64·5	30th	3·2	1·5	2·4	·247	·226	·237	78·4	88·3	83·4
May -	·751	56·5	49·2	52·9	43·0	63·4	32·6	31st	74·1	24th	4·7	1·9	3·3	·331	·305	·318	72·6	86·8	79·7
June -	·870	59·2	54·5	56·9	48·4	66·2	35·3	1st	74·5	10th	4·0	1·7	2·9	·388	·382	·385	77·0	89·2	83·1
July -	·777	59·9	56·4	58·2	50·5	67·3	38·4	12th	74·5	13th	3·5	2·1	2·8	·410	·400	·405	79·5	87·1	83·3
August -	29·770	60·5	55·1	57·8	49·4	67·0	38·0	25, 30	**81·3**	**5th**	3·0	1·3	2·2	·435	·402	·419	82·5	91·5	87·0
September	30·041	60·4	55·4	57·9	48·3	68·2	32·0	1st	77·5	9th	1·0	0·4	0·7	·493	·430	·462	93·9	97·3	95·6
October -	29·953	49·3	45·8	47·6	40·9	57·4	28·3	28th	68·5	4th	1·2	1·0	1·1	·330	·291	·311	91·5	91·8	91·7
November	·736	40·5	39·5	40·0	34·1	47·5	14·2	30th	56·4	23rd	0·9	0·8	0·9	·242	·236	·239	92·3	93·3	92·8
December	29·966	29·2	29·1	29·2	24·3	34·0	8·1	22nd	44·1	4th	0·7	0·7	0·7	·146	·145	·146	88·6	88·6	88·6
Year -	29·850	48·4	45·4	46·9	39·8	55·2	—	—	—	—	2·2	1·2	1·7	307	·291	·299	85·0	90·4	87·7

UPPINGHAM

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·327	39·5	41·2	40·4	35·7	46·4	20·0	2nd	54·3	25th	1·2	1·4	1·3	·223	·236	·230	89·6	89·0	89·3
February -	·673	35·1	35·0	35·1	32·0	41·9	25·8	28th	49·5	1st	0·9	0·8	0·9	·188	·188	·188	90·2	91·4	90·8
March -	·268	42·1	40·6	41·4	35·1	48·6	19·9	4th	60·6	27th	1·7	1·6	1·7	·236	·224	·230	84·8	85·7	85·3
April -	·296	44·2	41·1	42·7	36·1	52·9	28·9	2nd	64·5	30th	2·3	1·6	2·0	·244	·227	·236	83·3	87·4	85·4
May -	·313	54·0	49·1	51·6	43·1	63·0	33·7	31st	77·1	24th	3·8	2·1	3·0	·321	·299	·310	77·1	85·2	81·2
June -	·442	57·3	53·9	55·6	48·7	66·0	39·1	1st	73·8	25th	3·3	2·0	2·7	·378	·365	·372	80·5	87·1	83·8
July -	·355	58·6	55·5	57·1	50·5	66·2	44·0	10, 12	74·0	16th	3·8	2·5	3·2	·384	·374	·379	77·9	84·2	81·1
August -	·344	58·3	54·3	56·3	49·6	65·3	41·0	31st	**78·7**	**5th**	2·9	1·5	2·2	·405	·385	·395	82·2	90·5	86·4
September	·600	58·7	55·4	57·1	50·5	67·4	41·7	1st	74·7	8th	2·5	1·6	2·1	·421	·395	·408	84·9	89·4	87·2
October -	·532	48·6	46·4	47·5	42·1	56·0	26·3	28th	65·9	4th	1·5	1·1	1·3	·311	·295	·303	89·1	91·7	90·4
November	·300	40·3	40·7	40·5	35·9	47·0	22·6	28th	57·8	23rd	0·7	0·6	0·7	·242	·252	·247	92·9	94·6	93·8
December	29·507	28·8	28·9	28·9	25·8	31·9	**18·2**	**22nd**	41·8	4th	0·5	0·6	0·6	·146	·145	·146	90·8	89·2	90·0
Year -	29·413	47·1	45·2	46·2	40·4	54·4	—	—	—	—	2·1	1·5	1·8	·292	·282	·287	85·3	88·8	87·1

CHEADLE.

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

1890.	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 -	7·1	7·4	7·3	3·750	·890	26th	26	4	1	1	2	13	12	2	0	3	4	11	22	10	6	4
February -	7·4	7·2	7·3	0·650	·280	15th	10	3	0	0	2	16	2	4	8	24	3	1	4	4	5	3
March -	6·7	5·8	6·2	1·530	·400	23rd	18	5	1	0	6	13	5	3	7	4	5	8	9	14	12	0
April -	6·3	6·1	6·2	1·360	·220	16th	18	3	4	1	4	11	2	7	14	9	6	2	5	3	10	4
May -	5·9	5·8	5·9	2·100	·580	19th	11	0	0	3	6	10	0	6	4	20	9	6	3	5	6	3
June -	7·7	6·2	6·9	3·070	·690	10th	17	0	0	3	1	10	0	4	1	2	6	6	10	16	12	3
July -	7·7	7·4	7·6	2·680	·530	18th	19	0	0	3	0	15	0	14	1	2	1	4	11	11	16	2
August -	7·7	6·5	7·1	3·560	·720	10th	17	0	0	5	1	13	1	8	0	9	2	1	7	17	15	3
September	7·0	3·5	5·2	0·750	·110	20th	12	0	0	1	3	4	1	5	0	7	8	8	6	16	4	6
October -	6·3	6·3	6·3	2·300	·470	25th	17	1	1	2	7	13	0	5	2	1	2	5	8	15	22	2
November	6·6	7·1	6·9	5·970	**1·200**	**6, 23**	25	4	1	0	2	12	2	4	4	5	4	7	7	14	12	3
December	8·5	8·2	8·3	0·790	·150	23rd	11	7	1	0	3	23	0	2	3	36	10	1	0	0	1	9
Year -	7·1	6·5	6·8	28·510	—	—	201	27	9	19	37	153	25	64	44	122	60	60	92	125	121	42

HILLINGTON.

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

				ins.	ins.																	
January -	7·7	6·6	7·2	2·757	·610	27th	20	2	0	0	3	14	6	2	1	1	1	9	40	4	4	0
February -	7·0	5·8	6·4	0·744	·262	15th	11	4	1	0	4	10	0	4	11	13	19	1	6	0	2	0
March -	7·9	6·6	7·3	3·192	**1·290**	**19th**	17	6	3	1	1	16	0	2	7	2	5	5	22	11	8	0
April -	6·9	5·4	6·2	0·451	·100	24th	12	0	4	0	4	10	0	12	12	9	4	1	8	4	10	0
May -	6·3	4·1	5·2	1·817	·662	10th	12	0	0	2	5	7	0	4	12	7	13	7	11	3	5	0
June -	8·0	8·2	8·1	2·825	·608	28th	21	0	0	4	0	16	0	2	7	1	4	7	20	8	11	0
July -	7·5	7·7	7·6	3·345	·870	17th	20	0	0	1	1	13	1	6	7	2	1	2	20	12	12	0
August -	5·9	4·9	5·4	2·655	·917	10th	12	0	1	7	2	3	0	11	9	0	0	5	13	17	7	0
September	5·6	3·6	4·6	0·733	·237	17th	7	0	0	1	7	6	0	8	0	0	12	6	16	4	14	0
October -	6·2	5·8	6·0	1·478	·300	31st	15	1	1	0	3	10	0	5	2	1	0	5	28	1	20	0
November	7·6	5·8	6·7	3·054	·550	23rd	25	4	1	0	2	11	0	4	4	5	6	6	19	7	9	0
December	8·6	7·6	8·1	0·524	·255	19th	14	7	0	0	2	21	0	1	7	17	22	6	7	0	2	0
Year -	7·1	6·0	6·6	23·575	—	—	186	24	11	16	34	137	7	61	79	58	87	60	210	71	104	0

UPPINGHAM.

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

				ins.	ins.																	
January -	7·4	7·5	7·5	1·769	·389	26th	21	2	1	0	3	16	3	2	0	2	7	13	19	12	7	0
February -	8·3	6·9	7·6	0·824	·388	15th	11	6	0	0	1	14	0	13	11	9	8	2	3	3	5	2
March -	8·1	6·4	7·3	1·941	**·633**	**19th**	17	6	0	0	3	17	0	4	7	1	1	9	19	12	8	1
April -	8·2	5·3	6·8	0·552	·175	15th	13	2	1	1	3	10	1	16	10	5	4	2	7	4	7	5
May -	6·8	4·4	5·6	1·567	·562	10th	11	0	1	3	5	7	0	4	14	6	3	7	10	5	6	7
June -	8·7	7·3	8·0	1·257	·295	25th	13	0	0	4	0	16	0	6	1	2	1	9	11	19	5	6
July -	7·7	7·0	7·4	2·389	·448	2nd	17	0	1	1	1	15	0	6	4	0	0	2	17	17	11	5
August -	6·5	5·9	6·2	1·787	·255	28th	19	0	0	5	3	9	0	8	9	0	0	6	11	12	16	0
September	6·1	4·5	5·3	0·658	·434	21st	9	0	0	0	5	7	0	0	2	1	1	11	21	12	5	7
October -	5·8	5·1	5·5	1·464	·324	16th	10	1	0	0	9	11	1	5	2	0	0	2	16	23	9	5
November	7·1	7·2	7·2	3·579	·506	23rd	22	5	0	0	1	15	4	12	0	1	2	8	18	9	7	3
December	8·9	8·3	8·6	0·508	·126	19th	11	10	0	0	3	26	0	8	13	17	7	3	5	2	2	5
Year -	7·5	6·3	6·9	18·295	—	—	174	32	4	14	37	163	9	84	73	44	34	74	157	130	88	46

CHURCHSTOKE

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

1890.	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	29·251	41·6	42·1	41·9	35·4	48·4	18·3	3rd	54·1	11, 31	1·6	1·8	1·7	·235	·236	·236	87·5	85·2	86·4
February	·597	35·5	36·0	35·8	30·5	42·0	22·6	11th	49·3	3rd	0·7	0·7	0·7	·193	·197	·195	94·0	94·0	94·0
March	·227	43·5	40·8	42·2	35·1	49·0	16·5	4th	60·1	28th	2·2	1·5	1·9	·240	·230	·235	82·7	87·5	85·1
April	·247	44·6	40·2	42·4	34·7	52·2	25·5	2nd	61·1	30th	3·2	1·9	2·6	·230	·212	·221	78·0	85·0	81·5
May	·248	54·0	48·4	51·2	41·7	60·2	33·2	1st	72·1	24th	4·3	2·1	3·2	·307	·293	·300	74·0	85·7	79·9
June	·388	57·5	51·4	54·5	46·7	63·7	35·0	8th	71·1	15th	3·7	1·4	2·6	·369	·346	·358	77·8	90·5	84·2
July	·321	58·4	53·0	55·7	47·6	64·4	38·0	4, 12	71·3	21st	4·0	1·6	2·8	·377	·364	·371	77·0	89·4	83·2
August	·299	57·1	53·1	55·1	47·8	63·8	34·0	30th	72·1	4th	3·4	1·7	2·6	·373	·363	·368	79·4	89·0	84·2
September	·539	58·0	54·7	56·4	48·5	66·5	34·5	1st	76·0	8th	3·0	1·8	2·4	·395	·379	·387	82·0	88·0	85·0
October	·513	49·0	46·5	47·8	40·6	56·0	28·7	28th	70·2	12th	2·1	1·5	1·8	·302	·287	·295	85·6	89·3	87·5
November	·267	42·2	41·2	41·7	35·7	49·0	20·7	27th	61·7	19th	1·4	1·0	1·2	·245	·247	·246	89·0	91·7	90·4
December	29·443	29·2	29·6	29·4	25·4	33·3	9·2	21, 22	46·1	1st	0·7	0·7	0·7	·149	·150	·150	90·0	89·7	89·9
Year	29·362	47·6	44·8	46·2	39·1	54·0	—	—	—	—	2·5	1·5	2·0	·285	·275	·280	83·1	88·8	86·0

GELDESTON

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

	ins.	°	°	°	°	°	°				°	°	°	in.	in.	in.	%	%	%
January	29·855	41·2	42·1	41·7	35·9	47·0	19·0	2nd	54·8	25th	0·8	0·7	0·8	·247	·259	·253	94·2	94·7	94·5
February	30·179	37·6	37·6	37·6	33·5	42·8	27·9	4th	47·7	16th	1·1	1·0	1·1	·205	·208	·207	90·1	91·8	91·0
March	29·759	43·1	42·1	42·6	35·8	50·3	15·0	4th	63·9	28th	1·6	1·3	1·5	·251	·244	·248	86·9	88·5	87·7
April	·776	46·2	41·7	44·0	36·4	51·6	26·9	2nd	61·8	21st	3·0	1·2	2·1	·249	·241	·245	79·6	90·3	85·0
May	·809	56·1	49·9	53·0	43·3	61·5	31·8	3rd	69·4	19th	4·9	2·0	3·5	·324	·313	·319	72·0	86·9	79·5
June	·929	59·5	55·8	57·7	49·4	65·4	35·9	8th	77·2	25th	4·6	2·1	3·4	·376	·387	·382	73·9	86·2	80·1
July	·830	60·4	56·6	58·5	50·5	66·5	39·3	12th	73·7	15th	3·9	1·7	2·8	·408	·411	·410	77·4	88·7	83·1
August	29·829	60·8	55·9	58·4	50·5	66·8	39·8	30, 31	78·0	5th	4·0	1·8	2·9	·411	·401	·406	76·7	88·7	82·7
September	30·105	61·3	56·9	59·1	50·7	68·3	37·9	1st	76·8	9th	3·5	1·2	2·4	·432	·429	·431	79·5	92·3	85·9
October	30·000	50·4	47·2	48·8	40·9	58·4	27·1	28th	69·8	4th, 12th	2·5	1·5	2·0	·310	·295	·303	83·5	88·9	86·2
November	29·794	41·4	41·6	41·5	35·0	48·5	13·8	30th	58·8	23rd	0·9	0·9	0·9	·253	·252	·253	92·6	92·0	92·3
December	30·019	30·3	30·6	30·5	24·8	35·9	13·2	2, 22	44·0	9th	0·9	0·7	0·8	·153	·157	·155	89·2	90·9	90·1
Year	29·907	49·0	46·5	47·8	40·6	55·3	—	—	—	—	2·6	1·3	2·0	·302	·300	·301	83·0	90·0	86·5

BENNINGTON

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

	ins.	°	°	°	°	°	°				°	°	°	in.	in.	in.	%	%	%
January	29·480	40·8	42·2	41·5	36·6	47·0	22·6	2nd	53·9	25th	1·2	1·3	1·3	·230	·240	·235	90	89	90
February	·765	35·5	35·9	35·7	31·8	42·2	25·2	28th	49·3	1st	1·2	1·4	1·3	·184	·184	·184	88	87	87
March	·397	41·7	41·2	41·5	35·3	48·9	17·2	3rd	62·0	28th	1·8	1·8	1·8	·226	·221	·224	86	85	86
April	·392	45·1	42·0	43·5	36·7	52·8	29·0	12th	62·1	30th	3·5	2·8	3·1	·225	·209	·217	75	78	76
May	·415	54·9	50·1	52·5	43·0	62·8	36·3	3, 31	74·7	24th	5·3	3·5	4·4	·294	·276	·285	68	76	72
June	·343	57·8	54·9	56·4	48·5	66·2	37·1	1st	75·2	24th	4·3	2·6	3·5	·356	·358	·357	74	83	79
July	·476	59·3	56·5	57·9	50·7	67·0	42·2	12th	74·8	16th	4·2	2·8	3·5	·378	·375	·376	75	82	78
August	·463	58·9	55·2	57·0	50·0	67·4	39·0	31st	78·8	5th	3·9	2·3	3·1	·381	·370	·376	77	85	81
September	·722	59·7	56·2	58·0	49·9	68·5	39·1	1st	76·1	5th	3·5	2·1	2·8	·404	·389	·396	79	86	83
October	·651	49·6	46·7	48·1	40·8	57·3	26·7	28th	68·7	13, 14	2·8	2·0	2·4	·286	·272	·279	80	85	82
November	·424	41·6	40·9	41·3	36·4	48·0	17·2	28th	58·2	23rd	1·5	1·0	1·2	·231	·234	·233	88	91	90
December	29·600	28·8	28·9	28·8	24·4	32·9	14·4	20th	41·7	4th	0·6	0·8	0·7	·141	·136	·138	89	86	87
Year	29·528	47·8	45·9	46·9	40·3	55·1	—	—	—	—	2·8	2·0	2·4	·278	·272	·275	80·8	84·4	82·6

CHURCHSTOKE.

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

1890.	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	8·4	6·6	7·5	5·202	1·380	21st	22	5	1	1	1	16	3	1	2	6	8	5	19	16	5	0
February	8·0	7·0	7·5	0·528	—	—	10	4	0	0	2	14	0	4	6	23	6	1	3	3	5	3
March	7·9	6·1	7·0	1·574	·320	24th	17	2	1	1	2	12	0	3	3	2	7	1	12	22	12	0
April	8·2	5·3	6·8	1·299	·410	6th	15	1	1	1	2	11	0	2	5	10	12	0	5	14	11	1
May	7·4	6·0	6·7	3·361	·640	2nd	17	0	0	2	3	12	0	3	6	7	28	2	5	6	5	0
June	8·9	7·1	8·0	1·788	·428	28th	13	0	0	1	0	15	1	2	1	0	4	0	21	23	9	0
July	8·7	7·2	8·0	1·982	·322	16th	19	0	0	0	0	14	0	4	1	0	3	2	14	19	19	0
August	7·3	5·9	6·6	3·752	·742	1st	16	0	0	1	0	10	0	3	1	4	1	2	6	22	18	5
September	7·3	5·4	6·4	0·840	·341	17th	12	0	0	0	2	11	0	2	0	0	7	6	5	15	6	19
October	6·8	5·3	6·1	1·617	·272	7, 15	17	2	1	1	5	12	0	5	1	5	1	0	1	28	12	9
November	7·0	6·6	6·8	4·887	1·116	8th	22	3	0	0	0	14	0	7	4	1	5	1	10	18	11	3
December	9·7	8·9	9·3	0·852	·300	18th	8	11	1	0	0	28	0	0	2	25	20	1	2	5	1	6
Year	8·0	6·5	7·3	27·682	—	—	188	28	5	8	17	169	4	36	32	85	102	21	103	191	114	46

GELDESTON.

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

				ins.	ins.																	
January	6·9	5·7	6·3	1·950	·260	28th	22	1	0	0	5	13	1	1	1	3	2	11	23	16	2	3
February	6·8	5·4	6·1	0·730	·220	15th	12	2	1	0	6	12	0	10	9	15	11	0	5	3	2	1
March	7·1	6·4	6·8	2·390	·850	19th	18	4	3	0	5	14	0	3	7	3	2	5	13	25	2	2
April	7·1	3·9	5·5	1·150	·200	8th	17	0	1	1	6	11	0	7	9	14	3	2	6	12	5	2
May	6·0	5·0	5·5	1·520	·720	9th	10	0	0	2	6	8	0	8	9	18	4	8	5	5	4	1
June	7·8	8·0	7·9	2·330	·410	28, 30	17	0	0	2	0	18	0	6	1	2	5	8	14	14	6	4
July	7·2	6·2	6·7	3·420	·960	18th	20	0	0	1	3	11	0	5	4	3	1	4	19	16	8	2
August	6·5	3·5	5·0	2·210	·580	11th	17	0	0	5	5	5	0	6	7	4	2	5	14	18	3	3
September	5·0	4·7	4·9	0·850	·320	18th	6	0	0	0	8	7	0	3	1	4	8	6	12	15	2	9
October	4·9	4·8	4·9	1·650	·330	26th	16	2	2	0	8	7	0	6	3	1	0	1	14	26	6	5
November	8·2	5·4	6·8	4·020	·810	23rd	23	4	2	0	1	11	0	2	6	5	2	6	9	19	7	4
December	8·6	7·1	7·9	0·510	·150	26th	8	6	0	0	2	19	0	1	7	29	7	1	3	7	4	3
Year	6·8	5·5	6·2	22·730	—	—	186	19	9	11	55	136	1	58	64	101	47	57	137	176	51	39

BENNINGTON.

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

				ins.	ins.																	
January	7·1	7·2	7·2	2·510	·330	27th	25	0	0	0	4	15	1	1	1	2	3	8	34	9	3	1
February	6·8	5·6	6·2	0·730	·280	14th	8	4	0	0	2	10	0	2	11	17	13	0	7	2	2	2
March	7·4	6·4	6·9	2·870	·930	19th	15	6	0	0	5	15	0	0	7	2	6	3	22	14	6	2
April	7·4	5·8	6·6	1·190	·410	26th	15	1	4	1	4	14	0	7	8	10	8	1	11	6	7	2
May	6·6	4·4	5·5	1·680	·570	9th	13	0	0	1	6	9	0	0	10	11	14	10	6	7	3	1
June	7·6	6·8	7·2	2·800	·550	10th	17	0	0	3	0	10	0	0	3	0	8	7	23	8	3	8
July	8·1	7·6	7·8	4·470	1·660	17th	20	0	1	3	0	16	0	2	0	0	0	5	24	20	4	7
August	7·3	4·7	6·0	2·640	·670	10th	20	0	0	5	4	10	0	0	6	7	2	6	25	5	1	10
September	5·6	4·0	4·8	0·540	·170	23rd	9	0	0	1	7	5	0	0	0	4	10	16	23	1	1	5
October	5·5	4·7	5·1	1·760	·560	7th	15	1	1	1	9	8	0	1	2	1	2	4	16	24	5	7
November	7·5	6·7	7·1	2·750	·590	4th	21	5	1	0	1	14	0	4	6	0	4	8	12	17	1	8
December	8·4	8·1	8·3	0·450	·120	19th	10	11	1	0	2	22	0	3	8	24	6	3	2	0	0	16
Year	7·1	6·0	6·6	24·390	—	—	188	28	8	15	44	148	1	20	62	78	76	71	205	113	36	69

CHELTENHAM

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·682	42·9	42·9	42·9	36·6	48·8	18·9	2nd	56·3	6th	1·6	1·3	1·5	·241	·247	·244	87	89	88
February -	·988	36·0	36·1	36·1	31·4	42·9	20·8	28th	49·3	1st	0·8	1·0	0·9	·196	·193	·195	92	91	92
March -	·620	44·1	42·6	43·3	36·2	50·5	15·2	4th	60·8	27th	1·6	1·5	1·5	·253	·240	·246	88	88	88
April -	·619	45·6	43·9	44·8	36·0	53·9	23·8	5th	64·6	30th	2·6	2·0	2·3	·247	·242	·245	81	84	82
May -	·613	55·4	52·1	53·7	43·6	63·1	31·0	31st	77·3	24th	3·8	2·2	3·0	·334	·331	·332	76	85	81
June -	·773	58·3	55·8	57·1	48·5	66·3	32·8	1st	74·5	24th	3·5	2·3	2·9	·382	·378	·380	78	85	81
July -	·694	59·9	56·7	58·3	50·3	66·7	38·5	10th	73·7	23rd	3·8	2·1	3·0	·400	·399	·400	78	87	83
August -	·671	59·8	56·1	57·9	49·3	67·2	34·8	30th	78·0	6th	3·5	1·8	2·6	·407	·397	·402	79	88	83
September	·919	59·1	55·1	57·1	48·0	68·0	34·2	1st	75·0	9th	2·2	1·0	1·6	·431	·404	·417	86	93	90
October -	·895	47·9	46·1	47·0	39·7	56·7	23·5	27, 28	65·0	12th	0·9	0·7	0·8	·311	·295	·303	93	95	94
November	·658	43·3	42·7	43·0	35·7	49·7	24·5	27, 28	59·0	23rd	1·2	1·0	1·1	·254	·252	·253	91	92	91
December	29·821	39 0	30·4	29·7	25·5	33·5	5·5	22nd	45·0	1st	0·6	0·5	0·6	·142	·156	·149	89	92	91
Year -	29·746	48·4	46·7	47·6	40·1	55·6	—	—	—	—	2·2	1·5	1·8	·300	·295	·297	84·8	89·1	87·0

ST. DAVID'S (PEMBROKE).

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·616	45·3	45·7	45·5	41·4	48·9	33·2	2nd	52·8	7th	1·4	1·1	1·3	·275	·286	·281	89·5	91·5	90·5
February -	·941	39·5	39·7	39·6	35·2	44·6	26·6	8th	48·6	17th	1·5	1·2	1·4	·215	·223	·219	87·6	90·2	88·9
March -	·608	44·4	43·3	43·9	39·5	48·1	24·2	3rd	53·2	31st	1·3	0·9	1·1	·266	·264	·265	90·3	92·3	91·3
April -	·606	47·0	44·7	45·9	40·8	52·5	31·2	2nd	61·2	30th	1·9	1·0	1·5	·281	·274	·278	86·4	92·0	89·2
May -	·571	54·3	50·6	52·5	46·6	58·5	41·3	6th	76·1	24th	3·0	1·3	2·2	·343	·337	·340	81·4	90·9	86·2
June -	·772	56·3	53·7	55·0	50·8	60·5	42·7	1st	66·5	23rd	1·3	0·4	0·9	·415	·402	·409	91·3	96·7	94·0
July -	·704	57·6	55·5	56·6	52·1	61·7	46·2	11th	69·2	21st	1·4	0·4	0·9	·434	·433	·434	90·8	97·5	94·2
August -	·678	58·9	55·8	57·4	53·2	63·6	46·4	31st	70·2	8th	1·8	0·7	1·3	·444	·427	·436	89·0	95·3	92·2
September	·884	59·1	56·9	58·0	53·8	63·7	45·5	1st	71·1	7th	1·3	0·6	1·0	·461	·446	·454	91·7	95·8	93·8
October -	·917	53·5	52·1	52·8	48·3	57·1	37·4	26th	63·9	6th	1·9	1·4	1·7	·361	·355	·358	86·7	89·9	88·3
November	·652	47·1	46·6	46·9	42·6	50·4	25·2	27th	59·2	23rd	1·4	0·9	1·2	·299	·305	·302	89·0	93·1	91·1
December	29·759	35·7	35·3	35·5	31·1	39·5	18·5	31st	50·0	1st	0·8	0·6	0·7	·195	·196	·196	90·4	93·5	92·0
Year -	29·726	49·9	48·3	49·1	44·6	54·1	—	—	—	—	1·6	0·9	1·3	·332	·329	·331	88·7	93·2	91·0

CARMARTHEN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·647	44·5	43·6	44·1	37·4	49·6	20·3	2nd	55·6	22nd	1·4	1·4	1·4	·266	·261	·264	89·2	89·6	89·4
February -	·964	39·9	38·6	39·3	33·5	47·5	25·0	28th	55·3	25th	2·6	2·0	2·3	·198	·197	·198	80·0	83·0	81·5
March -	·621	45·5	42·7	44·1	37·5	50·5	15·0	4th	59·2	31st	2·6	1·5	2·1	·250	·246	·248	81·0	88·1	84·6
April -	·616	48·6	44·5	46·6	39·1	55·0	27·5	12th	63·4	30th	4·3	2·5	3·4	·247	·240	·244	72·6	82·2	77·4
May -	·592	57·2	52·4	54·8	45·9	62·0	32·6	31st	77·2	25th	5·9	3·7	4·8	·312	·305	·309	67·4	78·1	72·8
June -	·781	59·2	53·7	56·5	49·7	63·3	35·5	1st	70·7	26th	4·0	1·5	2·8	·388	·374	·381	77·6	90·2	83·9
July -	·709	60·4	55·6	58·0	51·0	64·6	42·1	10th	74·7	23rd	4·2	1·6	2·9	·399	·400	·400	76·5	89·7	83·1
August -	·688	60·0	54·9	57·5	49·9	65·6	39·3	24, 30	75·1	7th	3·7	1·7	2·7	·408	·388	·398	78·8	88·9	83·9
September	·904	61·1	55·9	58·5	51·5	66·5	37·5	1st	74·4	6th	3·4	1·4	2·4	·432	·408	·420	81·0	90·9	86·0
October -	·916	51·8	49·7	50·8	44·4	57·9	29·5	28th	65·4	10th	1·9	1·0	1·5	·342	·336	·339	87·4	92·8	90·1
November	·666	45·5	44·5	45·0	39·3	51·0	23·7	27th	57·1	23rd	1·6	0·9	1·3	·277	·283	·280	88·4	92·8	90·6
December	29·793	32·7	32·9	32·8	28·5	37·7	18·7	31st	47·0	1st	1·1	1·2	1·2	·164	·165	·163	86·3	86·8	86·6
Year -	29·741	50·5	47·4	49·0	42·3	55·9	—	—	—	—	3·1	1·7	2·4	·307	·300	·304	80·5	87·8	84·2

CHELTENHAM.

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

1890.	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 -	7·0	6·8	6·9	2·550	·330	25th	25	2	0	1	4	13	4	2	0	0	4	15	20	9	5	7
February -	7·6	5·5	6·6	0·630	·290	15th	10	3	0	0	3	10	0	5	3	11	6	2	1	1	4	23
March -	7·5	5·9	6·7	0·970	·220	24th	15	4	0	0	3	12	0	3	4	0	2	7	15	22	5	4
April -	7·4	5·3	6·3	0·780	·160	9th	13	1	0	1	1	9	0	11	4	9	6	3	3	8	8	8
May -	6·2	5·4	5·8	1·790	·620	9th	12	0	0	2	3	8	0	2	2	11	7	10	7	2	8	13
June -	8·2	7·1	7·7	2·240	·590	25th	15	0	0	1	0	15	0	1	0	0	2	7	21	12	4	13
July -	7·6	7·5	7·5	3·290	·900	17th	22	0	0	0	0	13	0	2	0	0	0	9	8	20	4	19
August -	7·1	7·2	7·2	2·710	·450	9th	18	0	1	2	0	13	0	2	0	0	5	2	5	23	11	14
September	5·9	3·9	4·9	0·920	·210	19th	12	0	0	0	7	6	0	6	0	1	3	16	13	11	0	10
October -	7·1	5·2	6·1	1·310	·330	25th	14	1	0	0	4	13	0	2	1	1	0	3	6	18	5	26
November	7·9	6·9	7·4	1·960	·530	6th	22	3	1	0	1	14	2	2	3	2	0	8	13	16	6	10
December	8·0	8·3	8·2	0·940	·210	18th	13	9	0	0	2	23	0	3	8	9	10	6	1	2	2	21
Year -	7·3	6·3	6·8	20·090	—	—	191	23	2	7	28	149	6	41	25	44	45	88	113	144	62	168

ST. DAVID'S (PEMBROKE).

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

				ins.	ins.																	
January -	7·6	7·3	7·5	5·350	1·015	21st	27	0	6	2	0	14	11	2	1	1	5	13	23	12	5	0
February -	6·2	5·6	5·9	0·815	·240	1st	13	2	1	0	3	8	1	4	11	15	16	2	3	0	3	2
March -	7·2	5·4	6·3	2·206	·482	15th	23	2	2	0	1	8	0	4	6	2	4	6	17	10	8	5
April -	7·2	4·6	5·9	1·427	·302	23rd	18	0	0	0	2	8	0	5	11	9	6	4	11	3	9	2
May -	6·7	6·4	6·6	5·516	1·305	25th	22	0	0	2	1	10	0	3	4	6	16	8	11	2	11	1
June -	7·9	7·1	7·5	3·068	·472	25th	23	0	0	0	1	13	2	1	1	0	2	6	24	12	12	2
July -	8·3	6·6	7·5	3·095	·830	7th	20	0	0	0	0	13	2	5	1	0	1	8	18	12	15	2
August -	6·9	5·1	6·0	1·803	·402	25th	13	0	0	0	0	6	1	2	3	3	3	0	22	11	16	2
September	7·5	5·7	6·6	1·055	·220	17th	14	0	0	0	3	12	3	1	4	6	11	5	20	5	5	3
October -	8·1	5·4	6·8	2·325	·690	6th	20	0	2	1	1	12	2	4	3	3	2	2	16	11	18	3
November	7·8	7·2	7·5	5·385	·755	6th	26	3	6	0	1	12	3	2	8	1	2	6	20	9	12	0
December	8·0	7·2	7·6	3·097	·582	1st	16	7	0	0	0	18	0	1	25	16	14	2	2	0	2	0
Year -	7·5	6·1	6·8	35·142	—	—	235	14	17	5	13	134	25	34	78	62	82	62	187	87	116	22

CARMARTHEN.

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

				ins.	ins.																	
January -	7·5	7·2	7·4	7·000	·606	17th	27	0	3	1	2	15	2	1	1	4	2	8	25	9	4	8
February -	5·5	5·5	5·5	1·190	·450	16th	7	0	0	0	5	10	0	9	3	26	4	0	2	0	2	10
March -	8·3	5·8	7·1	2·590	·400	22nd	20	0	2	0	2	14	0	7	2	1	3	4	15	11	7	12
April -	6·6	4·7	5·7	1·850	·380	9th	15	0	1	0	5	11	0	9	6	14	4	4	7	2	1	13
May -	6·5	5·8	6·2	3·650	1·200	16th	16	0	0	4	4	9	1	3	6	13	11	7	8	4	4	6
June -	8·2	6·8	7·5	3·880	·550	29th	22	0	0	0	1	14	0	5	0	0	1	3	22	16	8	5
July -	8·6	7·2	7·9	4·630	1·030	7th	19	0	0	0	0	16	0	15	1	0	0	0	25	5	11	5
August -	6·8	5·0	5·9	3·330	·480	9th	19	0	0	0	1	7	1	2	2	2	2	0	10	16	4	24
September	7·1	6·5	6·8	2·210	·480	17th	13	0	0	0	4	16	1	4	0	3	4	4	17	5	1	22
October -	7·4	6·4	6·9	3·980	·840	6th	20	1	2	0	2	15	0	6	0	2	1	0	9	7	10	27
November	6·6	7·7	7·2	7·290	1·000	6th	25	0	2	0	3	17	2	7	3	2	1	1	17	6	5	18
December	7·5	7·5	7·5	1·750	·520	1st	10	2	0	0	2	16	0	7	13	21	4	1	1	0	1	14
Year -	7·2	6·3	6·8	43·350	—	—	213	3	10	6	30	160	7	75	37	88	37	32	158	81	58	164

BERKHAMSTED

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·497	40·6	41·6	41·1	36·6	47·2	17·6	2nd	54·6	7th	1·3	1·3	1·3	·225	·235	·230	89	89	89
February -	·777	34·9	35·0	35·0	31·7	42·4	25·6	11th	49·5	1st	0·9	0·8	0·9	·184	·187	·186	91	92	92
March -	·417	42·1	40·9	41·5	35·0	49·4	13·8	4th	62·7	28th	1·8	1·8	1·8	·230	·218	·224	86	85	85
April -	·414	44·9	42·1	43·5	36·6	53·1	26·7	5th	63·0	30th	3·4	2·5	2·9	·225	·216	·220	76	81	79
May -	·434	54·4	49·5	51·9	42·0	62·7	35·7	31st	76·3	24th	5·2	3·0	4·1	·289	·280	·285	68	79	73
June -	·583	57·1	55·3	56·2	48·4	66·0	33·6	1st	74·6	25th	4·1	2·8	3·5	·351	·358	·354	75	82	79
July -	·498	58·6	56·3	57·5	50·4	66·7	41·4	4th	75·0	23rd	3·6	2·6	3·1	·385	·377	·381	78	83	80
August -	·485	58·7	54·7	56·7	49·9	66·7	36·9	31st	77·9	5th	3·3	1·7	2·5	·394	·378	·386	80	88	84
September	·740	58·7	55·0	56·8	48·5	68·4	35·6	1st	75·0	27th	2·6	1·2	1·9	·415	·397	·406	84	92	88
October -	·684	48·4	45·7	47·1	40·5	57·4	24·3	28th	68·7	14th	1·7	1·1	1·4	·297	·281	·289	87	92	90
November	·449	40·6	41·0	40·8	35·4	48·3	20·0	30th	56·4	23, 24	1·1	0·8	0·9	·230	·239	·235	91	93	92
December	29·613	27·3	28·7	28·0	24·2	32·6	11·1	22nd	42·3	4th	0·3	0·4	0·4	·139	·146	·142	93	92	92
Year -	29·549	47·2	45·5	46·3	39·9	55·1	—	—	—	—	2·4	1·7	2·1	·280	·276	·278	83·2	87·3	85·3

KEW

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·916	42·5	43·6	43·1	38·6	48·3	21·9	1st	54·1	25th	1·6	1·6	1·6	·238	·248	·243	87	87	87
February -	30·180	36·2	37·8	37·0	33·7	42·7	27·5	11th	49·8	17th	1·6	1·8	1·7	·184	·192	·188	86	85	86
March -	29·826	43·2	42·8	43·0	36·4	49·7	18·3	4th	64·2	28th	2·3	2·3	2·3	·230	·227	·229	82	83	83
April -	·808	46·2	44·4	45·3	38·7	53·0	30·8	5th	62·7	30th	3·5	2·7	3·1	·236	·234	·235	76	80	78
May -	·820	54·9	52·8	53·9	44·7	62·8	37·9	3rd	73·4	24th	4·6	3·8	4·2	·310	·301	·306	72	75	74
June -	·981	58·1	57·3	57·7	50·4	66·3	38·3	1st	75·7	25th	3·7	3·0	3·4	·376	·382	·379	77	81	79
July -	·889	59·9	58·6	59·3	52·5	66·8	44·0	12th	74·3	23rd	3·9	3·3	3·6	·396	·393	·395	77	80	79
August -	29·872	59·5	57·7	58·6	52·0	66·8	40·5	31st	77·3	5th	3·6	2·8	3·2	·398	·395	·397	78	82	80
September	30·133	58·7	57·6	58·2	50·5	68·0	36·9	1st	73·1	16th	2·9	2·3	2·6	·406	·407	·407	82	85	84
October -	30·087	47·9	47·4	47·7	41·7	56·8	25·5	28th	66·2	4th	2·6	2·2	2·4	·271	·275	·273	82	84	83
November	29·856	42·0	42·8	42·4	37·0	48·6	21·5	28, 30	58·3	23rd	2·0	1·7	1·9	·225	·238	·232	85	87	86
December	30·017	29·5	30·2	29·9	25·3	33·4	10·8	22nd	43·8	4th	1·4	1·6	1·5	·125	·128	·127	77	75	76
Year -	29·949	48·2	47·8	48·0	41·8	55·3	—	—	—	—	2·8	2·4	2·6	·283	·285	·284	80·1	82·0	81·1

MARGATE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·860	42·8	43·7	43·3	38·6	47·5	28·5	3rd	53·2	7th	1·4	1·4	1·4	·249	·257	·253	89·1	89·3	89·2
February -	30·104	38·2	38·8	38·5	35·0	42·0	29·3	12th	47·8	2nd	1·8	1·8	1·8	·197	·201	·199	85·4	85·0	85·2
March -	29·755	43·4	42·3	42·9	36·7	49·2	15·2	4th	59·8	29th	1·7	1·4	1·6	·250	·243	·247	86·0	87·8	86·9
April -	·727	46·1	44·1	45·1	40·3	50·5	35·1	13th	60·1	22nd	2·9	2·0	2·5	·251	·247	·249	80·3	85·1	82·7
May -	·755	54·0	50·6	52·3	46·6	59·2	37·0	3rd	67·1	16th	3·1	2·2	2·7	·337	·316	·327	80·7	85·7	83·2
June -	·919	58·9	55·2	57·1	50·4	64·3	39·0	1st	73·0	25th	3·9	1·9	2·9	·384	·385	·385	77·1	87·9	82·5
July -	·817	59·8	57·4	58·6	53·0	65·6	44·9	4th	72·6	23rd	3·5	2·1	2·8	·412	·411	·412	79·9	87·0	83·5
August -	29·819	60·6	57·4	59·0	53·6	66·5	47·0	26, 30	78·0	1st	3·6	2·2	2·9	·419	·409	·414	78·9	86·2	82·6
September	30·085	60·9	58·3	59·6	54·0	65·6	49·1	8, 26	74·0	10th	3·6	1·9	2·8	·423	·430	·427	79·4	88·0	83·7
October -	29·998	51·5	49·1	50·3	44·4	56·8	32·6	28th	67·7	12th	2·9	2·2	2·6	·313	·303	·308	81·0	84·9	83·0
November	·778	44·4	44·2	44·3	39·2	49·7	18·2	28th	59·0	23rd	1·2	1·3	1·3	·273	·272	·273	90·0	85·3	89·7
December	29·945	32·0	32·0	32·0	27·6	35·2	17·4	30th	43·6	4th	1·0	1·2	1·1	·160	·156	·158	87·4	85·7	86·6
Year -	29·880	49·4	47·8	48·6	43·3	54·3	—	—	—	—	2·6	1·8	2·2	·306	·303	·305	82·9	86·8	84·9

BERKHAMSTED.

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

1890.	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 -	7·3	7·6	7·5	2·581	·445	27th	22	1	0	0	1	14	0	1	0	3	8	12	15	12	6	5
February -	7·4	5·4	6·4	0·804	·504	14th	7	4	3	0	4	11	0	8	10	17	3	2	0	2	3	11
March -	7·3	5·5	6·4	2·598	·846	19th	16	7	1	0	5	13	0	1	5	1	5	7	11	21	5	6
April -	7·5	4·5	6·0	1·265	·366	15th	14	0	4	1	4	9	0	11	12	9	3	3	6	7	5	4
May -	6·5	3·2	4·8	1·336	·464	9th	12	0	0	1	7	6	0	3	9	11	7	6	5	7	4	10
June -	7·6	6·7	7·2	2·487	·456	30th	17	0	1	5	1	11	0	2	1	1	3	2	12	25	6	8
July -	8·3	7·4	7·8	3·673	1·707	17th	20	0	0	2	0	17	0	3	0	0	2	5	12	18	16	6
August -	7·1	5·2	6·2	2·204	·459	10th	18	0	1	3	3	9	0	4	5	4	1	3	10	19	9	7
September	5·9	3·4	4·6	0·681	·278	21st	8	0	0	1	9	4	0	1	1	2	7	8	8	13	5	15
October -	6·0	5·1	5·6	1·487	·457	7th	14	1	2	0	9	9	0	4	1	0	1	1	6	19	16	14
November	7·3	7·2	7·2	2·511	·711	6th	20	3	2	0	2	12	3	2	6	1	4	4	6	17	7	13
December	9·4	8·5	9·0	0·651	·228	18th	11	14	1	0	0	25	0	2	13	20	4	1	0	0	0	22
Year -	7·3	5·8	6·6	22·278	—	—	179	30	15	13	45	140	3	42	63	69	48	54	91	160	82	121

KEW.

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

	10 a.m.	10 p.m.		10 a.m. ins.	ins.																
January -	6·9	7·2	7·1	2·170	·360	27th	27	0	1	0	1	13	2	2	0	3	1	14	21	10	0	11
February -	7·3	5·3	6·3	0·900	·625	14th	11	5	0	0	2	10	0	9	12	18	1	1	2	1	1	11
March -	7·4	5·0	6·2	1·535	·370	19th	20	3	2	0	4	11	0	3	5	1	2	9	20	13	5	4
April -	7·3	5·1	6·2	1·735	·305	25th	18	1	0	0	2	11	1	11	10	8	2	3	7	3	6	10
May -	6·7	3·6	5·2	1·415	·520	9th	15	0	0	1	5	5	0	7	8	9	2	9	4	3	5	15
June -	8·1	6·9	7·5	3·390	·960	28th	19	0	1	3	0	11	0	4	0	1	1	7	20	12	4	11
July -	8·0	6·9	7·5	4·455	2·285	17th	18	0	0	2	0	14	0	5	1	1	1	5	20	8	14	7
August -	7·3	4·6	6·0	1·950	·710	19th	22	0	0	3	1	7	0	5	4	5	0	7	15	10	2	14
September	6·0	4·1	5·1	0·585	·220	17th	17	0	0	1	8	9	0	0	1	4	7	9	11	7	3	18
October -	5·9	4·5	5·2	1·025	·295	25th	24	0	0	0	5	10	0	0	2	0	0	2	15	12	8	23
November	7·5	6·4	7·0	1·525	·375	6th	23	3	0	0	1	12	0	5	5	2	4	4	10	12	4	14
December	9·2	9·5	9·4	0·545	·185	18th	11	10	0	0	0	26	0	2	17	16	1	1	0	1	0	24
Year -	7·3	5·8	6·6	21·230	—	—	225	22	4	10	29	139	3	53	65	68	22	71	145	92	52	162

MARGATE.

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

				ins.	ins.																
January -	7·3	6·2	6·8	1·620	·350	28th	17	0	0	0	2	12	3	5	0	3	0	.23	15	10	1	5
February -	6·5	5·6	6·1	0·830	·380	14th	8	2	1	0	4	11	0	8	5	20	9	5	5	1	0	3
March -	6·3	6·1	6·2	2·360	1·180	19th	14	5	0	0	8	14	0	2	4	5	2	9	26	8	3	3
April -	6·3	5·1	5·7	2·100	·970	25th	14	1	2	1	6	10	0	11	6	11	4	8	12	2	5	1
May -	6·1	4·6	5·4	1·150	·440	19th	12	0	0	1	5	6	0	6	5	20	8	6	7	3	4	3
June -	7·8	6·8	7·3	1·750	·610	30th	14	0	0	0	0	14	0	4	0	4	0	12	29	5	3	3
July -	7·5	5·4	6·5	4·390	1·800	4th	14	0	0	2	0	9	0	2	2	2	2	3	28	15	5	3
August -	5·9	4·4	5·2	3·810	·590	10th	20	0	0	1	7	6	0	2	4	2	7	6	12	21	7	1
September	5·6	3·8	4·7	0·690	·280	18th	7	0	0	2	8	7	0	2	0	13	4	6	18	7	1	9
October -	6·0	5·4	5·7	1·180	·360	25th	13	0	0	0	8	13	0	5	2	0	0	4	29	11	2	9
November	7·6	7·5	7·6	2·150	·300	25th	20	3	0	0	2	16	0	4	3	6	0	2	27	8	5	5
December	7·6	6·0	6·8	0·640	·330	20th	6	5	0	0	4	15	0	7	9	29	3	0	1	0	0	13
Year -	6·7	5·6	6·2	22·670	—	—	159	16	3	7	54	133	3	58	40	115	39	84	209	91	36	58

SOUTHAMPTON

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

1890.	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	29·882	43·5	44·3	43·9	39·3	49·7	26·8	2nd	56·0	12th	1·0	1·0	1·0	·266	·276	·271	92·1	92·8	92·5
February	30·105	37·4	38·1	37·8	34·1	44·6	27·4	28th	53·1	18th	1·2	1·3	1·3	·202	·205	·204	89·3	87·9	88·6
March	29·791	45·3	42·7	44·0	37·4	51·9	19·5	4th	63·2	30th	2·3	1·7	2·0	·256	·242	·249	82·7	86·1	84·4
April	·749	48·9	45·3	47·1	39·6	55·7	31·3	2nd	64·6	15, 30	3·5	2·3	2·9	·268	·254	·261	77·2	83·4	80·3
May	·755	52·5	53·3	55·9	47·3	64·6	38·0	31st	81·1	25th	5·1	2·7	3·9	·350	·337	·344	71·7	82·7	77·2
June	·943	60·1	56·3	58·2	50·7	66·5	38·8	1st	75·2	24th	3·9	2·0	3·0	·405	·397	·401	78·3	87·1	82·7
July	·854	62·7	58·2	60·5	53·2	68·6	46·0	6th, 7th	76·6	23rd	4·3	1·9	3·1	·434	·429	·432	76·6	88·0	82·3
August	29·830	62·7	57·4	60·1	53·1	69·5	41·8	30th	79·1	6th	4·3	2·0	3·2	·434	·416	·425	76·3	87·5	81·9
September	30·083	61·4	57·5	59·5	51·6	69·0	39·0	1st	78·2	10th	3·1	1·7	2·4	·445	·425	·435	82·1	89·4	85·8
October	30·058	51·0	48·1	49·6	43·1	59·3	28·4	28th	69·5	14th	1·9	1·2	1·6	·332	·314	·323	86·9	91·1	89·0
November	29·818	42·8	43·6	43·2	38·1	51·0	16·4	29th	58·9	23rd	1·0	1·1	1·1	·264	·273	·269	91·7	91·1	91·4
December	29·935	30·1	30·6	30·4	26·2	35·1	17·0	15th	43·3	4th	0·6	0·6	0·6	·157	·160	·159	92·9	92·7	92·8
Year	29·900	50·4	48·0	49·2	42·8	57·1	—	—	—	—	2·7	1·6	2·2	·318	·311	·315	83·2	88·3	85·8

EASTBOURNE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·939	45·0	45·2	45·1	40·9	49·6	32·0	2nd, 3rd	55·6	18th	1·8	1·7	1·8	·262	·267	·265	87·0	87·5	87·3
February	30·146	38·7	39·7	39·2	36·1	45·6	31·0	28th	51·0	4th	1·9	2·0	2·0	·200	·206	·203	83·8	83·3	83·6
March	29·829	43·1	42·7	42·9	38·7	49·0	20·0	4th	57·0	29th	1·9	1·7	1·8	·242	·241	·242	85·0	86·2	85·6
April	·785	45·8	44·9	45·4	41·0	51·4	34·2	12th	57·0	5th	2·6	2·3	2·5	·253	·251	·252	81·3	83·8	82·6
May	·805	54·0	52·0	53·0	47·6	58·5	41·0	28th	69·4	24th	3·2	2·7	3·0	·336	·320	·328	80·2	82·1	81·2
June	·988	57·2	55·5	56·4	51·7	60·5	43·2	2nd	65·5	23rd	2·6	1·8	2·2	·392	·389	·391	83·5	88·2	85·9
July	·889	59·5	58·2	58·9	54·2	64·2	45·5	11th	68·2	31st	3·5	2·3	2·9	·406	·418	·412	79·8	86·1	83·0
August	29·871	60·3	59·3	59·8	54·9	66·2	46·0	31st	75·6	6th	3·1	3·0	3·1	·428	·416	·422	81·5	81·8	81·7
September	30·130	61·1	59·8	60·5	55·5	65·5	43·6	1st	73·4	6th	3·1	2·7	2·9	·440	·429	·435	81·6	83·5	82·6
October	30·080	51·9	51·1	51·5	45·5	57·9	31·0	28th	65·0	7th, 13th	3·0	2·8	2·9	·318	·314	·316	80·2	81·2	80·7
November	29·846	44·8	45·5	45·2	40·6	52·2	17·0	28th	60·0	2nd	1·9	1·5	1·7	·264	·283	·274	84·7	87·5	86·1
December	29·981	33·0	33·6	33·3	29·5	38·7	19·0	15th	47·2	5th, 7th	1·7	1·9	1·8	·152	·155	·154	79·2	78·8	79·0
Year	29·941	49·5	49·0	49·3	44·7	54·9	—	—	—	—	2·5	2·2	2·4	·308	·307	·308	82·3	84·2	83·3

PARKSTONE, DORSET

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	29·625	56·5	50·8	53·7	45·9	63·0	37·9	31st	79·5	25th	5·3	2·3	3·8	·318	·316	·317	68·5	84·4	76·5
June	·826	58·3	53·8	56·1	49·4	65·0	39·3	1st	73·2	23rd	3·6	1·5	2·6	·385	·376	·381	79·0	90·3	84·7
July	·738	60·3	56·1	58·2	51·4	66·6	42·6	4th	76·0	23rd	3·8	1·5	2·7	·409	·410	·410	78·2	90·6	84·4
August	·711	61·1	55·5	58·3	51·0	67·8	41·5	30th	75·0	5th	4·5	1·6	3·1	·403	·398	·401	74·5	89·4	82·0
September	·957	60·0	55·7	57·9	50·6	67·4	40·3	1st	76·3	10th	2·8	1·0	1·9	·432	·417	·425	83·6	93·7	88·7
October	·939	50·1	47·6	48·9	42·5	58·6	29·7	28th	68·8	14th	1·7	1·1	1·4	·325	·310	·318	88·1	91·8	90·0
November	·702	42·5	42·8	42·7	36·9	49·9	16·2	28th	58·1	1st	1·0	1·0	1·0	·261	·264	·263	91·2	90·7	91·0
December	29·795	30·3	31·1	30·7	26·9	34·7	17·4	31st	42·9	1st, 3rd	0·7	0·8	0·8	·154	·157	·156	89·5	88·8	89·2
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SOUTHAMPTON

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January	6·2	6·7	6·5	3·943	·434	4th	24	0	2	0	4	11	2	1	4	2	4	7	26	8	9	1
February	7·0	5·1	6·1	0·726	·448	14th	7	3	0	0	4	10	0	5	20	10	8	2	2	2	6	1
March	7·1	5·5	6·3	1·158	·393	24th	17	4	1	0	5	13	0	4	8	1	6	4	19	7	11	2
April	7·1	5·4	6·3	2·661	·747	17th	17	0	1	1	4	10	0	3	20	5	9	0	11	2	10	0
May	6·0	5·4	5·7	1·688	·687	9th	8	0	0	0	5	7	0	3	11	6	15	5	12	4	6	0
June	8·2	6·0	7·1	2·731	·428	28th	18	0	0	0	4	17	0	1	3	1	2	1	32	8	12	0
July	8·4	6·9	7·7	4·031	2·065	17th	19	0	0	2	0	18	0	3	2	1	0	0	23	10	21	2
August	6·3	4·7	5·5	3·634	1·233	9th	16	0	0	4	4	7	0	4	8	3	3	0	22	9	13	0
September	5·9	4·6	5·3	1·346	·505	21st	7	0	0	1	9	11	0	0	4	1	14	6	19	7	9	0
October	6·4	3·9	5·2	0·915	·262	15th	16	0	0	0	10	10	0	3	10	3	1	1	17	8	16	3
November	7·7	5·7	6·7	1·936	·538	6th	18	2	0	0	2	12	0	6	10	1	4	3	16	7	13	0
December	8·0	7·4	7·7	1·637	·648	20th	11	12	0	0	4	21	0	5	43	5	3	2	0	0	4	0
Year	7·0	5·6	6·3	26·406	—	—	178	21	4	8	55	147	2	38	143	39	69	31	199	72	130	9

EASTBOURNE.

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

					ins.	ins.																
January	6·5	6·5	6·5	3·730	·850	28th	23	0	0	0	5	12	4	1	2	1	1	5	21	19	9	3
February	6·3	5·2	5·8	1·230	·690	14th	6	2	1	0	5	11	1	12	11	11	8	1	3	2	3	5
March	6·0	4·5	5·3	2·390	·730	19th	16	3	0	0	8	7	0	4	6	2	1	3	13	24	6	3
April	5·1	4·7	4·9	3·520	·920	25th	14	0	0	0	8	8	0	11	7	10	2	1	7	9	8	5
May	5·1	2·6	3·9	2·290	·680	11th	10	0	0	1	9	3	1	10	12	5	4	2	10	4	3	12
June	6·9	6·2	6·6	2·520	·650	30th	12	0	0	0	1	9	1	3	1	1	1	3	14	29	5	3
July	7·3	5·3	6·3	4·000	1·420	4th	12	0	0	2	0	9	0	3	2	1	0	2	16	25	11	2
August	6·3	4·3	5·3	3·790	·770	10th	17	0	1	4	5	4	3	9	8	1	1	1	11	19	4	8
September	4·7	4·0	4·4	1·400	·420	19th	7	0	0	1	9	4	0	6	1	8	8	4	10	12	4	7
October	5·6	4·3	5·0	2·100	·450	7th	11	0	0	0	11	10	1	7	1	0	0	0	8	22	18	6
November	6·2	6·3	6·3	3·840	·490	6th	21	3	0	1	4	12	7	10	0	1	1	4	6	19	11	8
December	7·8	6·4	7·1	0·560	·210	19th	5	3	0	0	5	18	0	8	13	10	11	3	1	0	3	13
Year	6·2	5·0	5·6	31·370	—	—	154	11	2	9	70	107	18	84	64	51	38	29	120	184	85	75

PARKSTONE, DORSET.

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

					ins.	ins.																
January	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	6·1	5·6	5·9	2·060	·660	19th	13	0	0	1	6	10	0	4	15	6	8	7	5	5	6	6
June	7·7	5·5	6·6	2·770	·520	10th	19	0	0	1	4	15	0	4	1	0	1	2	21	15	14	2
July	7·5	7·7	7·6	2·980	1·030	17th	19	0	0	1	0	15	0	5	3	0	1	3	17	16	13	4
August	5·4	4·7	5·1	2·780	·850	9th	16	0	0	4	8	7	6	9	6	2	0	3	14	13	12	3
September	6·4	4·4	5·4	1·620	·760	21st	7	0	0	0	5	10	0	4	5	10	3	5	8	10	7	8
October	7·2	4·7	6·0	0·850	·200	25th	13	1	0	0	7	13	1	7	4	1	2	0	9	17	14	8
November	7·3	5·2	6·3	2·480	·510	6th	21	2	0	0	4	11	2	6	7	1	2	2	10	19	7	6
December	9·0	7·6	8·3	1·630	·580	18th	11	13	1	0	1	20	0	12	39	5	3	1	0	1	0	1
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ROUSDON

Long. 3° 0′ W. Lat. 50° 42′ N. Height above Mean Sea Level, 515 feet. Gravity Correction, + ·014.

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·381	43·8	43·4	43·6	38·9	47·8	22·4	2nd	51·7	11th	1·0	0·8	0·9	·263	·263	·263	92	94	93
February -	·594	37·8	37·3	37·6	33·7	42·5	25·3	28th	48·1	1, 20, 25	1·3	1·2	1·3	·201	·199	·200	89	89	89
March -	·309	43·3	41·0	42·1	36·8	47·5	18·2	4th	58·1	26th	1·7	1·2	1·4	·243	·231	·237	87	90	89
April -	·268	45·5	43·4	44·5	38·8	50·4	30·5	4th	57·4	22nd	2·3	1·9	2·1	·253	·239	·246	83	85	84
May -	·270	52·6	50·1	51·3	45·8	57·2	37·5	31st	**72·3**	**24th**	2·6	1·7	2·2	·328	·318	·323	83	88	85
June -	·476	55·4	52·6	54·0	49·1	60·1	40·0	7th	69·0	23rd	1·9	1·0	1·4	·382	·369	·376	87	93	90
July -	·396	57·6	54·3	56·0	51·0	61·7	45·1	4, 12	71·3	23rd	2·4	1·0	1·7	·403	·393	·398	85	93	89
August -	·370	58·6	54·6	56·6	50·7	63·1	42·0	30th	70·0	6th	3·2	1·7	2·5	·396	·377	·386	80	88	84
September	·602	58·8	55·2	57·0	51·5	62·8	43·2	1st	70·9	27th	2·1	1·0	1·5	·430	·406	·418	87	93	90
October -	·590	51·7	48·0	49·8	43·8	56·6	31·8	28th	63·3	1st	2·0	1·3	1·7	·331	·303	·317	86	90	88
November	·348	44·5	43·2	43·9	38·3	49·1	18·2	29th	56·2	23rd	1·6	1·2	1·4	·257	·253	·255	87	91	89
December	29·420	32·5	32·6	32·5	28·2	36·4	**16·7**	**31st**	44·0	1st	0·7	0·5	0·6	169	174	172	92	94	93
Year -	29·419	48·5	46·3	47·4	42·2	52·9	—	—	—	—	1·9	1·2	1·6	305	294	299	86·5	90·7	88·6

Note.—Instruments were placed in a new position on January 1st, 1890.

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 -	—	44·2	40·1	42·2	37·0	-	25·0	29th	—	—	0·4	0·3	0·4	·289	·247	·268	96·9	96·6	96·8
February -	—	36·7	32·8	34·8	27·2	43·9	19·8	28th	51·7	1st	3·6	3·2	3·4	·155	·124	·140	67·9	61·6	64·8
March -	—	40·3	37·8	39·1	33·3	47·5	14·9	4th	55·7	27th	0·9	1·1	1·0	·236	·208	·222	88·7	86·3	87·5
April -	—	42·9	39·7	41·3	35·2	50·3	28·9	4th	54·9	6th	1·8	1·4	1·6	·242	·217	·230	87·0	88·3	87·7
May -	—	47·9	43·5	45·7	39·2	57·7	33·8	31st	70·3	25th	1·5	1·3	1·4	·300	·259	·280	89·8	90·5	90·2
June -	—	53·3	48·8	51·1	45·4	62·9	38·8	1, 2, 15	**71·4**	**25th**	0·8	0·9	0·9	·389	·328	·359	94·6	94·2	94·4
July -	—	56·3	51·8	54·1	48·1	64·3	41·9	11th	70·7	9th	0·8	0·7	0·8	·434	·371	·403	94·4	95·7	95·1
August -	—	56·0	52·2	54·1	48·6	64·9	42·6	20th	69·4	11th	1·4	1·3	1·4	·414	·359	·387	91·5	91·0	91·3
September	—	55·7	51·2	53·5	46·0	63·2	39·2	22nd	68·9	6th	2·1	2·5	2·3	·387	·314	·351	87·3	83·7	85·5
October -	—	48·9	43·7	46·3	38·5	57·5	26·2	27th	64·9	11th	1·7	1·6	1·7	·310	·256	·283	88·5	87·9	88·2
November	—	41·8	37·4	39·6	32·8	49·6	14·9	28th	59·7	17th	1·0	1·1	1·1	·250	·204	·227	88·3	86·0	87·2
December	—	32·4	29·1	30·8	25·0	36·8	**13·7**	**30th**	47·3	2nd	1·3	1·4	1·4	·156	·128	·142	78·6	74·1	76·4
Year -	—	46·4	42·3	44·4	38·0	—	—	—	—	—	1·4	1·4	1·4	·297	·251	·274	87·8	86·3	87·1

BABBACOMBE

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·620	45·7	45·2	45·5	40·9	50·0	28·3	2nd	57·2	12th	1·3	1·1	1·2	·282	·282	·282	90·3	92·0	91·2
February -	·833	39·9	39·7	39·8	36·8	44·6	27·1	4th	51·0	2nd	1·6	1·6	1·6	·217	·214	·216	86·6	86·3	86·5
March -	·556	45·2	42·2	43·7	38·0	50·5	24·5	4th	61·5	26th	2·5	1·6	2·1	·253	·239	·246	81·3	85·8	83·6
April -	·509	47·4	44·5	46·0	41·0	53·1	33·5	11th	60·1	5th	2·6	1·8	2·2	·271	·256	·264	82·4	86·8	84·6
May -	·504	54·5	50·6	52·6	47·4	59·4	41·2	3rd	71·4	25th	3·5	1·8	2·7	·334	·324	·329	78·7	88·2	83·5
June -	·723	59·1	54·1	56·6	50·7	63·4	42·8	1st	73·5	24th	3·5	1·7	2·6	·397	·372	·385	79·2	88·4	83·8
July -	·639	60·7	56·0	58·4	52·5	65·2	45·1	4th	**75·7**	**23rd**	3·7	1·6	2·7	·418	·404	·411	79·0	89·4	84·2
August -	·611	61·5	55·9	58·7	52·1	66·3	44·5	30th	73·1	4th	4·2	2·0	3·1	·416	·393	·405	76·2	87·5	81·9
September	·836	60·6	56·4	58·5	52·3	65·9	41·2	1st	72·9	11th	2·9	1·3	2·1	·440	·418	·429	83·2	91·3	87·3
October -	·842	53·5	49·8	51·7	45·1	59·3	36·0	27th	66·1	14th	2·7	1·5	2·1	·343	·324	·334	82·5	89·5	86·0
November	·596	45·3	44·5	44·9	39·5	51·3	**22·3**	**29th**	59·8	1st	1·9	1·6	1·8	·268	·267	·268	84·4	86·7	85·6
December	29·649	35·9	35·9	35·9	32·2	39·8	23·2	31st	47·6	19th	1·1	1·1	1·1	·189	·189	·189	88·4	88·4	88·4
Year -	29·660	50·8	47·9	49·4	44·0	55·9	—	—	—	—	2·6	1·6	2·1	·319	·307	·313	82·7	88·4	85·6

ROUSDON.

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

1890.	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 Storms.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January -	8·0	8·0	8·0	4·020	·580	27th	23	3	2	1	2	19	3	0	4	5	0	8	25	11	8	1
February -	6·2	6·5	6·4	1·310	·330	16th	10	1	0	0	2	7	2	9	20	11	7	1	1	1	4	2
March -	6·4	5·4	5·9	1·310	·290	24th	16	4	0	0	7	10	0	4	8	2	3	4	13	16	11	1
April -	6·6	5·4	6·0	4·100	1·350	24th	20	0	2	1	4	11	1	12	5	12	6	2	4	6	13	0
May -	6·3	6·5	6·4	3·630	**2·120**	**25th**	12	0	0	2	4	9	0	4	11	11	15	6	4	6	5	0
June -	8·3	6·3	7·3	2·810	·540	25th	14	0	0	0	0	13	0	4	0	0	2	6	19	13	16	0
July -	8·0	6·9	7·4	4·320	1·690	17th	20	0	0	1	0	13	0	4	1	0	0	3	15	11	27	1
August -	5·6	5·9	5·8	3·740	1·300	9th	19	0	1	2	0	4	0	7	8	1	0	2	13	11	20	0
September	5·7	5·2	5·4	0·980	·290	19th	9	0	0	0	7	11	1	5	4	7	8	2	13	7	13	1
October -	5·2	5·7	5·5	1·000	·320	31st	14	0	0	0	7	11	0	9	10	0	3	0	15	8	15	2
November	6·2	6·4	6·3	2·920	·670	6th	19	3	1	0	1	8	4	2	8	2	2	1	7	19	19	0
December	8·6	9·5	9·0	2·500	·600	18th	11	11	1	0	0	24	0	4	33	17	3	0	2	1	2	0
Year -	6·8	6·5	6·6	32·640	—	—	187	22	7	7	34	140	11	64	112	68	49	35	131	110	153	8

DARTMOOR.

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

					ins.	ins.																
January -	-	9·1	9·0	9·1	15·350	1·410	7th	28	2	0	0	1	25	1	0	1	0	2	0	28	6	11	14
February -	-	5·3	4·8	5·1	1·560	·370	16th	11	4	0	0	5	8	0	0	9	7	12	0	5	0	1	22
March -	-	7·2	6·8	7·0	8·100	·910	24th	27	3	0	0	4	18	0	1	9	2	2	0	3	4	27	14
April -	-	5·9	5·7	5·8	6·060	1·210	23rd	13	1	0	0	3	9	0	2	6	0	22	2	4	4	14	6
May -	-	6·2	7·9	7·1	9·130	·990	16th	15	0	0	1	0	12	0	0	6	1	18	3	18	5	8	3
June -	-	8·0	8·8	8·4	12·280	1·970	11th	20	0	0	0	0	21	0	4	2	0	0	0	23	5	12	14
July -	-	7·5	8·2	7·9	11·000	**2·730**	**9th**	30	0	0	1	0	14	0	8	1	0	4	0	15	8	24	2
August -	-	7·5	7·9	7·7	10·620	·910	25th	25	0	0	0	0	16	0	5	3	1	3	1	14	9	19	7
September	-	5·1	6·2	5·7	5·450	·870	19th	11	0	0	0	1	9	0	5	1	2	12	4	12	4	12	8
October -	-	7·1	7·0	7·1	3·690	·710	15th	15	2	2	0	3	16	0	4	8	2	5	0	4	7	18	14
November	-	8·4	8·2	8·3	12·900	1·710	6th	25	2	1	0	0	21	1	3	12	0	0	0	10	8	22	5
December	-	8·6	8·3	8·5	5·930	·710	23rd	25	14	0	0	0	18	0	3	20	11	9	2	2	1	6	8
Year	-	7·2	7·4	7·3	102·070	—	—	245	28	3	2	17	187	2	35	78	26	89	12	138	61	174	117

BABBACOMBE.

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

					ins.	ins.																
January -	-	8·1	7·4	7·8	5·630	·670	22nd	22	2	6	0	0	18	16	5	1	5	1	7	27	13	3	0
February -	-	7·9	5·9	6·9	1·450	·720	16th	11	1	2	0	2	13	2	7	15	15	7	2	2	1	5	2
March -	-	6·8	4·5	5·7	1·580	·350	24th	19	4	1	0	5	7	2	3	8	3	2	6	15	16	8	1
April -	-	7·1	5·2	6·2	3·060	1·030	24th	21	0	4	3	4	12	0	6	14	10	2	2	8	8	10	0
May -	-	6·8	6·0	6·4	1·900	·500	19th	10	0	0	3	1	12	1	2	16	12	6	10	6	5	5	0
June -	-	7·3	5·6	6·5	2·300	·420	25th	15	0	1	2	1	12	0	4	4	3	0	2	19	19	9	0
July -	-	7·8	6·7	7·3	2·540	·690	7th	21	0	0	1	0	14	1	6	4	1	1	2	18	14	15	1
August -	-	5·5	5·1	5·3	3·090	**1·070**	**9th**	16	0	2	1	2	8	2	6	9	4	0	1	17	14	11	0
September	-	6·1	4·4	5·3	0·790	·210	19th	11	0	0	0	6	7	1	1	6	8	5	8	13	10	9	0
October -	-	5·8	5·6	5·7	0·700	·190	31st	12	0	0	0	6	12	2	6	6	4	1	0	11	14	16	4
November	-	6·0	6·1	6·1	2·980	·620	6th	21	3	3	0	2	8	2	4	7	1	1	2	16	18	11	0
December	-	9·7	9·7	9·7	4·550	·950	18th	17	10	3	0	0	29	4	6	22	19	5	2	3	2	2	1
Year	-	7·1	6·0	6·6	30·570	—	—	196	20	22	10	29	152	33	56	112	85	31	44	155	134	104	9

FALMOUTH

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·754	47·0	46·4	46·7	42·3	50·2	33·0	2nd	54·1	6th	1·6	1·6	1·6	·284	·278	·281	89	89	89
February	·955	40·9	41·2	41·1	37·3	45·2	29·5	28th	50·9	20th	1·8	2·0	1·9	·218	·217	·218	86	85	86
March	·706	44·7	43·2	44·0	39·7	48·7	23·8	4th	57·0	26th	2·5	2·1	2·3	·240	·234	·237	82	84	83
April	·650	47·9	46·1	47·0	43·2	51·4	35·6	12th	57·1	22nd	3·0	2·1	2·6	·264	·264	·264	80	85	83
May	·620	53·7	50·5	52·1	47·6	57·0	42·0	2nd	67·1	25th	3·0	1·6	2·3	·332	·327	·330	80	89	85
June	·873	57·7	54·0	55·9	51·5	62·0	43·1	1st	68·1	18th	3·2	1·4	2·3	·384	·377	·381	80	90	85
July	·796	58·8	55·7	57·3	52·8	62·0	47·3	11th	66·7	26th	3·0	1·3	2·2	·405	·407	·406	82	92	87
August	·764	59·8	55·9	57·9	53·0	62·9	44·1	30th	68·3	7th	3·6	1·9	2·8	·403	·392	·398	78	88	83
September	29·966	59·6	56·2	57·9	53·6	62·9	46·0	1st	**69·3**	**6th**	2·3	1·2	1·8	·437	·416	·427	86	92	89
October	30·003	52·8	51·8	52·3	47·7	56·6	37·9	27th	61·5	4th	2·2	1·9	2·1	·341	·336	·339	85	87	86
November	29·758	46·0	46·0	46·0	42·3	50·0	**22·4**	**29th**	56·6	14th	2·1	2·2	2·2	·263	·261	·262	85	85	85
December	29·766	38·9	38·7	38·8	34·9	42·5	25·0	30th	48·5	10th	1·6	1·5	1·6	·206	·206	·206	88	88	88
Year	29·801	50·7	48·8	49·8	45·5	54·3	—	—	—	—	2·5	1·7	2·1	·315	·310	·313	83·4	87·8	85·6

LONDONDERRY

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·526	41·5	42·9	42·2	37·6	47·9	29·4	23rd	54·5	16th	2·0	2·0	2·0	·225	·238	·232	84·7	84·8	84·8
February	30·109	39·2	39·5	39·4	35·1	44·9	29·0	15th	51·3	22nd	1·4	1·5	1·5	·215	·214	·215	88·2	87·4	87·8
March	29·639	43·0	42·9	43·0	37·6	50·2	27·0	3rd	58·1	31st	2·3	2·3	2·3	·232	·232	·232	82·3	82·8	82·6
April	·736	47·5	45·4	46·5	38·8	54·5	32·1	14th	62·4	3rd	4·1	2·5	3·3	·239	·249	·244	73·1	82·1	77·6
May	·718	55·5	50·8	53·2	45·4	62·8	35·8	3rd	**79·0**	**25th**	5·3	2·9	4·1	·306	·301	·304	69·8	81·2	75·5
June	·807	56·6	54·3	55·5	49·4	62·9	40·8	1st	70·0	11th	4·0	2·5	3·3	·349	·355	·352	75·9	83·6	79·8
July	·770	57·5	54·8	56·2	50·1	63·9	43·9	17th	71·4	25th	3·6	2·3	3·0	·373	·368	·371	78·5	84·7	81·6
August	·761	57·4	53·4	55·4	49·4	63·8	41·5	27th	75·7	8th	2·9	1·7	2·3	·390	·367	·379	82·4	88·9	85·7
September	·910	57·1	56·0	56·6	50·8	64·2	43·0	10th	75·5	7th	2·1	1·5	1·8	·405	·408	·407	86·9	90·0	88·5
October	·959	50·1	50·4	50·3	45·8	55·8	34·0	26th	61·5	10th	1·7	1·7	1·7	·324	·327	·326	88·0	88·2	88·1
November	·676	42·5	43·6	43·1	37·9	48·8	25·1	28th	56·7	14th	1·4	1·5	1·5	·248	·258	·253	88·8	88·3	88·6
December	29·949	37·0	37·8	37·4	33·1	41·3	**20·4**	**21st**	54·0	1st	1·4	1·6	1·5	·196	·199	·198	86·3	85·3	85·8
Year	29·797	48·7	47·7	48·2	42·6	55·1	—	—	—	—	2·7	2·0	2·4	·292	·293	·293	82·1	85·6	83·9

LISSAN

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·342	39·7	41·1	40·4	33·8	46·3	28·0	23rd	53·0	7th	1·4	1·5	1·5	·216	·226	·221	88	88	88
February	·886	38·1	38·3	38·2	33·7	44·0	26·0	9th	51·0	23rd	1·3	1·2	1·3	·203	·207	·205	88	90	89
March	·424	42·1	41·4	41·8	35·1	49·0	24·0	3rd	56·0	28th	1·3	1·6	1·5	·240	·228	·234	90	88	89
April	·516	46·4	43·0	44·7	36·0	52·7	27·0	3rd	60·0	2nd	3·3	1·9	2·6	·242	·236	·239	78	85	82
May	·450	53·5	49·7	51·6	43·4	60·3	30·0	3rd	71·0	25th	4·4	2·2	3·3	·295	·302	·299	72	86	79
June	·590	55·6	53·9	54·8	47·4	61·7	35·0	1st	69·0	15th	3·3	2·3	2·8	·352	·351	·352	79	85	82
July	·550	57·3	53·6	55·5	47·1	62·8	40·0	12th	69·0	20th	4·0	2·0	3·0	·356	·355	·356	76	86	81
August	·522	56·5	52·9	54·7	47·0	63·0	37·0	31st	71·0	8th	2·9	2·0	2·5	·374	·346	·360	82	87	85
September	·693	57·3	55·1	56·2	50·2	63·4	42·0	19th	**74·0**	**8th**	2·1	1·3	1·7	·407	·396	·402	86	91	89
October	·739	50·3	49·4	49·9	43·2	55·9	31·0	26th	63·0	5th	1·9	1·7	1·8	·316	·310	·313	87	89	88
November	·462	41·2	41·0	41·1	34·5	48·5	25·0	27th	55·0	1st	1·0	0·9	1·0	·237	·237	·237	93	93	93
December	29·722	35·9	36·2	36·1	32·2	41·0	**16·0**	**21st**	52·0	1st	1·1	1·4	1·2	·192	·187	·190	91	88	90
Year	29·575	47·8	46·3	47·1	40·3	54·1	—	—	—	—	2·3	1·7	2·0	·286	·282	·284	84·2	88·0	86·1

FALMOUTH.

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	10 a.m.	10 p.m.	Mean.	Total. 10 a.m.	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	8·0	7·4	7·7	6·450	·845	22nd	30	0	2	1	0	16	14	4	2	0	6	14	16	15	5	0
February	7·3	5·6	6·5	1·460	·470	12th	8	0	0	0	1	10	0	7	15	6	10	4	0	3	2	9
March	6·6	5·4	6·0	1·655	·510	23rd	16	0	0	0	4	11	1	6	7	3	3	8	3	17	8	7
April	7·6	5·8	6·7	3·095	·640	24th	17	0	1	1	3	11	2	16	5	9	6	3	5	8	4	4
May	6·8	5·4	6·1	4·825	1·130	4th	18	0	0	0	4	9	0	2	2	10	12	15	5	4	6	6
June	7·7	6·7	7·2	3·375	·575	25th	16	0	0	0	1	13	0	1	1	0	1	7	12	17	20	1
July	8·0	6·9	7·5	4·385	1·035	16th	19	0	0	0	0	16	0	2	1	2	0	1	19	10	23	4
August	6·8	5·5	6·2	4·810	**1·555**	**18th**	17	0	0	0	1	10	1	7	3	4	0	2	13	11	18	4
September	6·3	4·0	5·2	2·505	1·420	17th	10	0	0	0	5	6	1	7	0	7	5	10	7	8	10	6
October	6·4	5·2	5·8	2·175	·495	26th	17	0	2	1	0	7	3	6	2	3	0	1	9	11	14	16
November	7·0	5·8	6·4	5·305	·720	15th	23	0	2	0	3	11	6	8	5	0	2	4	13	12	11	5
December	8·6	7·8	8·2	5·135	·980	23rd	18	3	0	0	0	18	2	12	22	7	8	6	1	3	0	3
Year	7·3	6·0	6·7	45·175	—	—	209	3	7	4	21	138	30	78	65	51	53	75	103	119	121	65

LONDONDERRY.

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

	9 a.m.	9 p.m.		ins.	ins.																	
January	7·8	6·9	7·4	4·550	·460	9th	27	3	2	1	2	14	1	0	2	0	1	3	44	8	3	1
February	7·8	5·8	6·8	0·740	·120	1st	13	1	0	0	3	13	0	2	10	6	20	2	9	2	3	2
March	6·9	6·0	6·5	2·600	·900	15th	23	1	0	0	5	13	0	7	7	2	3	13	19	3	6	2
April	7·1	6·4	6·8	1·710	·290	9, 25	16	0	0	0	3	12	0	6	18	0	6	3	15	1	8	3
May	7·1	6·0	6·6	1·760	·690	29th	17	0	0	0	4	12	0	2	8	6	14	4	10	2	13	3
June	9·3	8·2	8·8	3·380	·330	5th	24	0	0	1	0	20	0	7	3	1	6	5	28	4	6	0
July	9·0	7·2	8·1	3·830	·740	23rd	22	0	0	0	0	18	0	12	3	1	0	7	22	7	9	1
August	8·5	6·6	7·6	5·770	1·360	14th	24	0	0	0	0	14	0	11	3	1	2	2	31	0	9	3
September	8·4	7·5	8·0	5·400	1·120	17th	18	0	0	0	0	18	0	1	0	1	17	9	31	0	1	0
October	8·1	7·5	7·8	3·540	·510	15th	20	1	1	0	1	18	0	3	6	0	5	1	35	4	7	1
November	7·4	6·5	7·0	7·700	**1·420**	**6th**	25	2	1	0	0	10	0	3	3	1	1	3	41	2	6	0
December	8·0	7·2	7·6	1·520	·740	18th	14	2	0	0	1	18	0	5	11	10	14	5	12	0	1	4
Year	8·0	6·8	7·4	42·500	—	—	243	10	4	2	19	180	1	59	74	29	89	57	297	33	72	20

LISSAN.

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

				ins.	ins.																	
January	—	—	—	5·650	·710	9th	30	5	1	2	—	—	0	2	0	0	0	7	21	16	16	0
February	—	—	—	1·390	·290	14th	14	2	0	0	—	—	0	0	6	14	21	0	4	1	10	0
March	—	—	—	3·480	1·160	15th	26	2	0	1	—	—	0	5	5	5	3	3	5	23	13	0
April	—	—	—	2·080	·330	9th	20	0	0	0	—	—	0	9	7	4	13	3	5	1	18	0
May	—	—	—	2·220	·550	29th	22	0	0	0	—	—	0	2	1	12	21	5	9	5	7	0
June	—	—	—	3·310	·530	29	24	0	1	0	—	—	0	2	5	0	3	3	18	10	19	0
July	—	—	—	3·080	·550	30th	27	0	0	0	—	—	0	6	0	2	1	2	16	5	30	0
August	—	—	—	4·730	·710	10th	22	0	0	0	—	—	0	13	0	0	8	0	13	9	19	0
September	—	—	—	3·980	·790	29th	23	0	0	0	—	—	0	3	0	0	4	8	11	14	20	0
October	—	—	—	2·640	·460	26th	20	1	1	1	—	—	0	14	4	0	0	0	9	13	22	0
November	—	—	—	9·710	**1·450**	**6th**	27	1	0	0	—	—	0	7	9	1	2	6	13	6	16	0
December	—	—	—	1·980	1·050	18th	17	1	0	0	—	—	0	3	11	5	22	4	9	1	7	0
Year	—	—	—	44·250	—	—	272	12	3	4	—	—	0	66	48	43	98	41	133	104	197	0

ARMAGH

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

1890.	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 -	29·445	41·8	42·1	42·0	36·8	47·7	28·6	29th	54·4	7th	1·6	1·3	1·5	·236	·245	·241	87·9	89·8	88·9
February -	·975	39·2	38·7	39·0	34·8	44·4	27·7	28th	51·6	22nd	1·2	1·0	1·1	·217	·217	·217	89·9	91·6	90·8
March -	·529	43·8	41·7	42·8	36·9	49·6	26·2	3rd	55·5	29th	2·1	1·8	2·0	·244	·230	·237	84·4	85·7	85·1
April -	·608	47·5	42·9	45·2	36·7	53·5	26·0	3rd	59·3	1st	3·7	2·1	2·9	·247	·235	·241	75·4	84·9	80·2
May -	·586	54·1	49·4	51·8	44·4	59·5	34·1	3rd	69·7	24th	4·0	2·1	3·1	·318	·303	·311	76·1	86·1	81·1
June -	·690	57·2	54·2	55·7	48·5	62·9	37·8	2nd	69·5	15th	3·7	2·1	2·9	·365	·366	·366	77·9	86·5	82·2
July -	·649	58·2	54·3	56·3	48·7	63·7	42·2	11th	69·7	22nd	4·4	2·0	3·2	·363	·370	·367	74·2	86·9	80·6
August -	·641	57·5	52·7	55·1	47·2	62·9	38·3	31st	69·8	8th	3·0	1·4	2·2	·386	·363	·375	81·6	90·7	86·2
September	·804	58·3	55·7	57·0	50·6	64·0	39·1	19th	**73·5**	**8th**	2·0	1·0	1·5	·429	·418	·424	87·9	93·4	90·7
October -	·846	51·0	49·1	50·1	43·9	56·2	32·1	26th	62·7	5th.	2·2	1·4	1·8	·322	·320	·321	85·3	90·4	87·9
November	·564	43·4	42·1	42·8	36·9	49·5	21·3	27th	57·5	14, 19	1·6	1·0	1·3	·253	·253	·253	87·1	91·1	89·1
December	29·810	36·5	36·9	36·7	32·2	41·1	**15·9**	**21st**	53·9	1st	1·2	1·2	1·2	·198	·199	·199	89·5	88·9	89·2
Year -	29·679	49·0	46·7	47·9	41·5	54·6	—	—	—	—	2·6	1·5	2·1	·298	·293	·296	83·1	88·8	86·0

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 -	29·367	40·1	41·3	40·7	35·4	46·9	24·0	29th	58·5	14th	1·2	1·0	1·1	·223	·239	·231	90	92	91
February -	·898	37·4	37·5	37·5	32·8	44·3	22·5	5th	51·6	22nd	0·9	0·6	0·8	·206	·213	·210	93	95	94
March -	·458	42·0	41·1	41·6	34·8	48·9	19·5	3rd	55·1	31st	1·6	1·3	1·5	·233	·230	·232	88	89	89
April -	·540	45·9	43·8	44·9	36·2	53·0	26·0	3rd	59·8	1st	2·8	1·9	2·4	·247	·245	·246	81	85	83
May -	·512	53·7	49·9	51·8	43·0	59·7	32·0	31st	72·1	25th	4·3	2·4	3·4	·300	·299	·300	73	84	79
June -	·624	55·7	53·6	54·7	48·0	61·3	33·0	1st	67·8	14th	2·9	1·8	2·4	·364	·361	·363	82	88	85
July -	·588	56·4	53·8	55·1	47·5	61·9	38·0	17th	67·5	19th	2·7	1·5	2·1	·377	·372	·375	83	89	86
August -	·574	56·0	53·2	54·6	45·6	62·2	33·5	30th	72·5	8th	2·3	1·5	1·9	·383	·363	·373	85	90	88
September	·728	56·9	56·3	56·6	49·9	63·2	38·5	25th	**74·1**	**7th**	1·5	1·2	1·4	·418	·418	·418	90	92	91
October -	·787	49·3	49·0	49·2	42·8	55·3	31·1	28th	61·5	3rd	1·0	0·9	1·0	·326	·325	·326	93	94	94
November	·499	40·9	40·8	40·9	34·5	48·9	15·5	28th	55·6	14th	0·6	0·5	0·6	·243	·244	·244	95	96	96
December	29·735	35·1	35·6	35·4	30·6	40·3	**14·3**	**21st**	51·7	1s	0·8	0·7	0·8	·189	·197	·193	92	94	93
Year -	29·609	47·5	46·3	46·9	40·1	53·8	—	—	—	—	1·9	1·3	1·6	·292	·292	·292	87·1	90·7	88·9

MARKREE CASTLE (SLIGO)

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January -	29·491	40·5	42·3	41·4	35·8	48·0	24·3	29th	56·8	14th	1·4	1·5	1·5	·229	·244	·237	88·8	88·9	88·9
February -	30·021	37·8	37·7	37·8	32·1	45·2	23·3	5th	51·1	22nd	0·9	0·8	0·9	·213	·213	·213	91·5	92·8	92·2
March -	29·603	43·9	41·2	42·6	35·3	50·1	17·1	3rd	57·4	27th	1·9	1·4	1·7	·249	·235	·242	85·5	89·2	87·4
April -	·673	46·9	43·5	45·2	36·7	53·2	25·8	3rd	59·9	1st	3·2	1·6	2·4	·252	·251	·252	78·4	88·3	83·4
May -	·629	54·0	49·5	51·8	42·0	59·3	29·3	31st	72·3	25th	3·5	2·0	2·8	·326	·307	·317	78·1	86·5	82·3
June -	·758	56·6	53·3	55·0	47·6	61·1	33·2	1st	69·7	15th	3·3	1·9	2·6	·368	·356	·362	79·9	87·2	83·6
July -	·736	57·2	53·9	55·6	48·7	61·6	35·6	17th	68·1	31st	3·4	1·6	2·5	·375	·375	·375	79·4	89·0	84·2
August -	·718	57·5	52·7	55·1	46·3	62·3	32·2	31st	**73·1**	**8th**	3·2	1·5	2·4	·384	·361	·373	80·5	89·8	85·2
September	·851	57·6	55·1	56·4	50·2	63·5	38·6	10th	72·7	7th	1·7	1·2	1·5	·425	·402	·414	89·4	92·0	90·7
October -	·938	51·0	50·3	50·7	45·2	56·2	31·8	8th	65·0	4th	1·6	1·3	1·5	·338	·338	·338	89·5	90·9	90·2
November	·641	42·9	41·9	42·4	35·7	49·4	**16·3**	**28th**	56·1	14, 23	1·4	1·1	1·3	·254	·253	·254	88·7	91·1	89·9
December	29·861	35·2	36·3	35·8	30·9	40·9	20·0	10th	53·6	1st	1·0	1·2	1·1	·190	·195	·193	89·9	89·0	89·5
Year -	29·743	48·4	46·5	47·5	40·5	54·2	—	—	—	—	2·2	1·4	1·8	·300	·294	·297	85·0	89·6	87·3

ARMAGH.

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9a.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 - -	7·5	7·9	7·7	2·929	·392	9th	24	2	0	0	0	19	6	1	1	0	3	22	27	6	0	2
February - -	8·7	7·7	8·2	0·932	·200	17th	11	0	0	0	1	18	0	2	3	8	11	6	7	2	1	16
March - -	6·9	8·0	7·5	2·590	·920	15th	18	1	1	0	2	18	0	5	4	2	2	9	23	6	7	4
April - -	7·4	6·6	7·0	1·263	·138	9th	16	0	0	0	4	16	0	6	7	6	6	7	9	3	7	9
May - -	7·7	6·7	7·2	1·428	·360	29th	17	0	0	0	2	16	0	2	9	10	13	7	8	3	3	7
June - -	9·6	8·4	9·0	2·538	·412	29th	23	0	0	1	0	24	0	2	3	2	2	10	23	10	3	5
July - -	9·2	8·5	8·9	2·119	·375	4th	22	0	0	1	0	22	0	9	1	0	1	6	17	9	10	9
August - -	8·1	7·0	7·6	3·377	·790	10th	20	0	0	1	2	18	0	1	5	6	0	2	20	9	12	7
September -	9·0	8·0	8·5	3·049	·602	30th	17	0	0	0	1	22	0	0	0	3	5	14	25	7	3	3
October - -	8·3	8·1	8·2	1·746	·315	6th	13	1	1	0	1	20	0	2	1	0	1	9	26	12	10	1
November -	7·4	7·6	7·5	6·536	**1·205**	**6th**	26	0	0	0	2	16	0	4	3	1	2	21	17	5	6	1
December -	8·7	8·8	8·8	1·670	·775	18th	14	2	0	0	0	23	0	4	16	8	13	12	4	0	2	3
Year - -	8·2	7·8	8·0	30·177	—	—	221	6	2	3	15	232	6	38	53	46	59	125	206	72	64	67

BROOKEBOROUGH (Colebrooke Park).

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

				ins.	ins.																	
January - -	8·5	7·9	8·2	4·945	·492	21st	27	4	0	0	0	18	5	0	0	0	4	14	24	0	2	18
February - -	8·9	6·8	7·9	1·150	·302	20th	7	0	0	0	3	19	0	0	8	0	11	0	4	0	0	33
March - -	8·3	6·8	7·6	3·268	1·095	15th	18	1	0	0	1	17	0	0	4	1	2	9	21	0	0	25
April - -	8·3	5·4	6·9	1·168	·165	6th	16	0	0	0	3	13	0	0	15	0	2	4	13	0	8	18
May - -	8·4	6·2	7·3	2·153	·569	3rd	13	0	0	0	3	16	0	0	12	0	13	9	9	0	0	19
June - -	9·9	8·7	9·3	3·801	·515	26th	23	0	0	0	0	24	0	1	2	0	4	15	26	1	3	8
July - -	9·8	8·8	9·3	2·519	·252	30th	21	0	0	0	0	26	0	0	0	0	0	9	22	6	6	19
August - -	9·6	7·7	8·7	3·103	·605	14th	19	0	0	0	0	22	0	2	6	0	1	8	16	0	6	23
September -	9·3	7·8	8·6	4·292	·690	30th	19	0	0	0	0	20	0	0	0	0	10	14	22	0	0	14
October - -	9·2	8·4	8·8	2·544	·428	6th	14	2	0	0	1	24	0	1	2	0	0	10	22	3	4	20
November -	8·2	6·1	7·2	8·107	1·270	6th	25	1	0	0	3	13	0	0	3	0	3	7	21	0	3	23
December -	8·2	7·4	7·8	2·527	**1·570**	**18th**	9	2	0	0	1	17	0	5	4	4	12	3	3	0	0	31
Year - -	8·9	7·3	8·1	39·577	—	—	211	10	0	0	15	229	5	9	56	5	62	102	203	10	32	251

MARKREE CASTLE (SLIGO).

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

				ins.	ins.																	
January - -	9·0	9·2	9·1	5·070	·500	9th	27	3	1	1	0	24	2	1	1	0	11	18	19	6	2	4
February - -	8·9	7·9	8·4	0·460	·140	16th	9	0	0	0	0	15	0	2	2	5	20	6	3	1	0	17
March - -	8·2	7·6	7·9	2·550	·610	15th	24	1	0	0	1	17	0	5	1	1	7	12	10	8	7	11
April - -	8·6	8·3	8·5	1·860	·340	29th	16	0	1	0	0	19	0	5	3	8	14	6	5	3	10	6
May - -	8·3	7·9	8·1	1·370	·320	29th	17	0	0	0	0	19	0	7	5	13	14	9	5	2	2	5
June - -	8·7	8·5	8·6	2·970	·330	5th	26	0	1	1	0	19	0	9	0	0	6	13	13	6	6	7
July - -	8·7	8·0	8·4	3·770	·720	13th	27	0	0	0	0	19	0	11	2	0	4	12	9	5	12	7
August - -	8·9	8·3	8·6	5·040	·970	14th	22	0	0	0	0	21	0	8	1	3	7	8	6	3	11	15
September -	9·4	8·8	9·1	3·650	·840	21st	20	0	0	0	0	24	0	2	1	1	13	15	11	0	4	13
October - -	9·1	8·8	9·0	4·180	·630	15th	23	0	1	0	0	23	0	6	1	1	3	15	10	4	13	9
November -	8·4	8·7	8·6	7·350	**1·430**	**6th**	27	1	1	0	0	21	1	2	0	1	9	15	7	5	9	12
December -	8·4	9·4	8·9	2·520	·940	18th	12	1	0	0	0	24	0	4	4	7	20	5	1	0	3	18
Year - -	8·7	8·5	8·6	40·790	—	—	250	6	5	2	1	245	3	62	21	40	128	134	99	43	79	124

EDGEWORTHSTOWN

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

1890.	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	29·374	40·1	41·8	41·0	34·9	47·3	26·0	29th	54·0	7, 16, 25	1·1	1·2	1·2	·233	·244	·239	91·8	90·5	91·2
February	·863	37·7	37·8	37·8	33·0	44·4	24·0	16th	51·0	23rd	0·8	0·8	0·8	·213	·214	·214	92·2	93·3	92·8
March	·460	43·0	40·9	42·0	35·5	49·7	24·0	3rd	57·0	5th	1·0	0·8	0·9	·258	·243	·251	91·6	93·3	92·5
April	·526	46·8	42·7	44·8	36·9	53·7	29·0	4, 12, 25	60·0	30th	2·3	1·1	1·7	·269	·251	·260	84·0	91·0	87·5
May	·476	53·6	48·7	51·2	43·0	59·4	33·0	3rd	71·0	23rd	3·1	1·5	2·3	·331	·309	·320	80·5	89·8	85·2
June	·613	56·9	53·1	55·0	48·3	62·8	37·0	7th	70·5	14th	2·8	1·2	2·0	·385	·374	·380	82·6	91·9	87·3
July	·572	57·5	53·7	55·6	48·2	63·3	38·5	10th	71·0	23rd	2·7	0·7	1·7	·398	·396	·397	83·6	94·8	89·2
August	·550	57·1	52·8	55·0	46·9	63·1	37·0	31st	72·0	8th	2·3	0·9	1·6	·403	·380	·392	85·8	94·1	90·0
September	·701	57·7	55·8	56·8	50·5	63·7	41·0	25th	73·0	7th	1·2	0·9	1·1	·443	·424	·434	92·6	94·6	93·6
October	·771	50·6	49·6	50·1	43·6	56·2	33·0	26th	62·5	10th	1·3	1·0	1·2	·339	·335	·337	90·8	93·4	91·6
November	·490	42·2	41·6	41·9	35·8	48·9	21·0	29th	57·5	19th	0·5	0·7	0·6	·269	·257	·263	95·8	93·5	94·7
December	29·691	34·5	35·6	35·1	30·8	39·9	19·5	20th	54·0	1st	0·5	0·9	0·7	·195	·193	·194	94·4	90·9	92·7
Year	29·591	48·1	46·2	47·2	40·6	54·4	—	—	—	—	1·6	1·0	1·3	·311	·302	·307	88·8	92·5	90·7

GLASNEVIN (Botanic Gardens)

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

January	29·676	43·1	44·0	43·6	37·1	49·2	27·0	2nd	58·2	16th	1·6	1·2	1·4	·250	·266	·258	87·6	90·5	89·1
February	30·139	39·1	40·4	39·8	35·2	45·2	24·0	16th	52·8	1st	1·2	1·3	1·3	·218	·228	·223	89·5	89·8	89·7
March	29·727	45·4	43·4	44·4	37·0	50·6	27·0	3rd, 4th	59·2	12th	1·9	1·2	1·6	·266	·259	·263	86·1	90·5	88·3
April	·780	48·0	44·1	46·1	37·8	53·1	26·0	3rd	63·2	20th	2·5	1·3	1·9	·277	·263	·270	82·5	90·2	86·4
May	·749	53·8	50·0	51·9	44·1	58·3	33·0	31st	66·5	23rd	2·9	1·1	2·0	·339	·335	·337	81·9	92·5	87·2
June	·889	58·9	55·3	57·1	50·4	64·6	41·0	29th	72·3	15th	3·3	1·6	2·5	·400	·393	·397	80·2	89·6	84·9
July	·843	59·4	55·8	57·6	49·5	65·0	39·6	4th	75·3	21st	3·3	1·3	2·3	·410	·413	·412	80·1	91·8	86·0
August	29·819	58·6	53·9	56·3	48·6	63·9	37·4	31st	76·6	4th	2·7	1·1	1·9	·412	·392	·402	83·2	92·8	88·0
September	30·005	60·2	57·7	59·0	52·8	65·1	45·6	23rd	73·3	8th	2·7	1·2	2·0	·438	·443	·441	83·3	92·6	88·0
October	30·048	51·8	49·6	50·7	43·5	57·5	32·0	28th	66·9	5th	1·9	1·1	1·5	·342	·333	·338	87·9	91·9	89·9
November	29·756	43·7	43·2	43·5	36·7	50·9	23·0	29th	63·8	19th	1·4	0·9	1·2	·264	·268	·266	89·0	93·1	91·1
December	29·946	37·8	38·8	38·3	34·1	42·3	20·0	21st	54·2	1st	1·6	1·2	1·4	·201	·218	·210	86·2	90·5	88·4
Year	29·865	50·0	48·0	49·0	42·2	55·5	—	—	—	—	2·3	1·2	1·8	·318	·318	·318	84·8	91·3	88·1

DUBLIN (Phœnix Park)

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

January	29·580	42·1	43·4	42·8	37·2	49·1	28·6	3rd	55·2	7th	1·9	1·8	1·9	·235	·249	·242	85·5	86·4	86·0
February	30·041	38·9	39·4	39·2	34·8	45·0	22·5	16th	51·6	23rd	1·3	1·3	1·3	·214	·218	·216	88·9	89·8	89·4
March	29·662	44·2	42·9	43·6	37·2	50·0	27·5	3rd	59·5	12th	2·0	1·4	1·7	·252	·251	·225	85·3	89·3	87·3
April	·676	46·8	43·6	45·2	37·8	52·8	25·2	3rd	62·0	20th	2·8	1·7	2·3	·260	·250	·255	81·1	87·5	84·3
May	·642	53·3	49·4	51·4	44·0	57·7	33·7	3rd	65·8	24th	3·0	1·3	2·2	·329	·323	·326	80·8	91·0	85·9
June	·776	57·6	54·2	55·9	49·6	63·3	37·7	7th	71·2	15th	3·0	1·5	2·3	·390	·382	·386	81·8	90·2	86·0
July	·726	58·2	55·0	56·6	46·2	64·0	37·1	10th	71·8	21st	3·3	1·8	2·6	·390	·384	·387	80·4	88·1	84·3
August	·710	57·7	53·5	55·6	47·3	63·1	37·7	31st	74·0	4th	3·6	2·0	2·8	·377	·360	·369	78·3	86·8	82·6
September	·890	59·0	56·9	58·0	51·8	64·5	39·7	19th	73·6	7th	3·2	1·9	2·6	·407	·408	·408	81·1	87·8	84·5
October	·940	51·0	49·3	50·2	43·3	56·9	32·3	9th	64·2	4th	2·2	1·7	2·0	·324	·315	·320	85·4	87·9	86·7
November	·656	43·4	42·9	43·2	36·7	50·9	18·4	29th	63·0	19th	1·6	1·5	1·6	·256	·251	·254	87·4	88·3	87·9
December	29·847	36·6	37·7	37·2	32·1	42·1	16·7	21st	52·8	1st	1·6	1·7	1·7	·190	·198	·194	85·7	85·8	85·8
Year	29·762	49·1	47·4	48·3	41·5	55·0	—	—	—	—	2·5	1·6	2·1	·302	·299	·301	83·5	88·2	85·9

EDGEWORTHSTOWN.

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

1890.	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	6·7	6·4	4·520	·520	18th	30	3	3	0	4	9	8	2	1	2	9	21	13	8	3	3
February	6·5	5·6	6·1	1·050	·200	20th	15	0	0	0	1	8	0	4	9	13	16	2	9	0	0	3
March	6·0	5·2	5·6	3·140	·950	15th	23	2	3	0	5	10	7	1	4	5	10	15	13	8	6	0
April	5·2	4·4	4·8	1·340	·240	25th	17	0	3	1	5	7	2	3	7	10	11	12	8	2	5	2
May	6·4	4·1	5·3	2·060	·450	3rd	22	0	0	1	3	6	0	1	3	13	21	13	3	1	5	2
June	7·5	7·1	7·3	3·240	·410	29th	24	0	0	0	0	12	0	4	3	1	11	10	22	3	6	0
July	7·0	6·5	6·8	2·950	·500	25th	25	0	0	0	1	11	0	19	2	1	3	4	14	9	8	2
August	6·9	5·0	6·0	3·040	·600	22nd	25	0	0	0	0	7	1	9	6	4	3	6	11	13	10	0
September	7·7	5·9	6·8	3·340	·760	21st	21	0	0	0	2	13	0	1	0	7	13	13	12	10	3	1
October	7·5	6·9	7·2	2·290	·500	15th	21	1	1	0	2	14	1	3	0	2	1	17	12	20	7	0
November	6·5	5·1	5·8	6·540	1·110	6th	28	2	0	0	6	9	0	7	3	2	6	10	16	10	6	0
December	5·5	6·1	5·8	1·820	·560	18th	15	2	0	0	4	11	1	14	11	15	8	3	3	1	3	4
Year	6·6	5·7	6·2	35·330	—	—	266	10	10	2	33	117	20	68	49	75	112	126	136	85	62	17

GLASNEVIN (Botanic Gardens).

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

January	5·2	5·2	5·2	ins. 3·000	ins. ·570	26th	21	3	1	0	4	7	0	2	1	0	1	1	35	6	10	6
February	7·1	5·0	6·1	0·810	·200	16th	7	0	0	0	3	7	0	2	16	1	9	0	4	2	7	15
March	6·0	5·4	5·7	3·470	·990	24th	15	2	2	1	0	7	0	0	4	0	4	0	33	5	9	7
April	5·9	4·0	5·0	1·420	·410	15th	14	0	5	0	2	4	0	1	9	1	13	0	10	2	10	14
May	6·5	5·3	5·9	2·520	·410	3rd	14	0	2	0	3	6	0	1	11	0	18	2	8	1	4	17
June	7·6	6·1	6·9	2·320	·410	30th	20	0	0	2	0	1	0	0	1	0	2	1	28	3	12	13
July	6·9	6·5	6·7	2·040	·350	25th	24	0	0	0	0	3	0	0	0	0	1	0	30	2	11	18
August	7·0	5·0	6·0	3·170	·850	22nd	17	0	0	1	1	6	0	0	2	1	4	0	23	4	11	17
September	6·7	4·5	5·6	2·680	·760	20th	9	0	0	0	3	4	0	0	1	0	15	2	28	0	1	13
October	6·2	4·4	5·3	0·900	·150	14th	10	0	1	0	4	7	0	0	3	0	1	0	26	3	16	13
November	6·3	4·9	5·6	4·540	·640	26th	27	4	2	0	5	5	0	1	4	0	2	0	27	5	7	14
December	6·8	6·7	6·8	1·990	·670	2nd	10	3	1	0	2	12	0	0	20	2	14	2	4	1	4	15
Year	6·5	5·3	5·9	28·860	—	—	188	12	14	4	27	69	0	7	72	5	84	8	256	34	102	162

DUBLIN (Phœnix Park).

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

January	6·1	5·7	5·9	ins. 2·690	ins. ·615	26th	26	3	0	0	0	9	0	0	0	0	2	9	29	8	2	12
February	7·0	5·0	6·0	0·645	·160	1, 16	10	0	0	0	3	6	0	1	6	5	10	1	3	2	0	28
March	5·9	5·6	5·8	2·985	·840	24th	20	2	1	1	2	7	0	0	5	1	1	5	15	20	3	12
April	5·9	4·7	5·3	1·375	·375	15th	19	0	3	1	1	5	0	4	5	8	3	2	3	6	6	23
May	5·7	5·4	5·6	1·920	·310	16th	18	0	1	0	3	5	0	0	5	10	10	1	8	3	3	22
June	7·1	5·8	6·5	2·030	·360	7th	22	0	0	3	0	4	0	2	1	0	2	6	19	13	1	16
July	6·6	5·9	6·3	2·150	·340	25th	25	0	0	0	1	7	0	4	0	0	0	1	16	7	8	26
August	6·2	4·7	5·5	3·035	·940	22nd	20	0	0	0	1	7	0	1	1	3	1	0	12	14	5	25
September	6·7	5·0	5·9	2·035	·460	17th	17	0	0	0	4	6	0	0	0	1	6	4	17	7	0	25
October	6·5	4·4	5·5	0·885	·160	25th	16	1	1	0	6	9	0	0	0	0	0	0	15	19	3	25
November	5·6	5·3	5·5	3·990	·550	6th	29	3	1	0	5	4	0	3	1	0	2	6	13	16	3	16
December	7·1	6·5	6·8	1·730	·560	2nd	12	3	4	0	3	11	0	1	5	15	11	0	2	3	1	24
Year	6·4	5·3	5·9	25·470	—	—	234	12	11	5	29	80	0	16	29	43	48	35	152	118	35	254

DUBLIN (City)

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

1890.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·681	43·5	44·7	44·1	39·0	50·0	31·1	29th	56·8	16th	2·3	2·3	2·3	·237	·248	·243	83·1	83·0	83·1
February	30·145	40·2	41·3	40·8	37·5	45·5	27·9	16th	52·5	1st	1·8	2·0	1·9	·214	·221	·218	85·8	84·9	85·4
March	29·730	44·4	44·7	44·6	39·5	50·6	31·2	3rd, 9th	59·6	12th	2·5	2·4	2·5	·242	·245	·244	81·9	82·1	82·0
April	·782	46·5	46·1	46·3	40·7	53·9	31·2	3rd	63·6	20th	3·1	3·1	3·1	·249	·244	·247	78·7	78·6	78·7
May	·748	53·9	51·6	52·8	47·2	59·2	39·1	31st	65·7	23rd	3·8	2·4	3·1	·316	·318	·317	76·8	83·6	80·2
June	·886	58·2	56·5	57·4	51·9	64·2	43·2	7th	72·0	5th	4·1	2·9	3·5	·368	·372	·370	76·0	81·6	78·8
July	·830	58·5	57·1	57·8	51·9	64·3	44·4	5th	72·8	13th	3·9	2·5	3·2	·377	·393	·385	76·9	83·9	80·4
August	·814	57·0	55·6	56·3	51·5	62·9	41·5	31st	**74·8**	**4th**	2·7	1·9	2·3	·389	·391	·390	83·5	88·1	85·8
September	29·996	59·2	58·5	58·9	54·4	64·7	48·3	23rd	71·2	7th	2·5	1·8	2·2	·424	·433	·429	84·5	88·7	86·6
October	30·051	50·9	50·9	50·9	46·1	57·2	34·2	27th	65·2	5th	1·9	1·8	1·9	·326	·331	·329	86·9	87·5	87·2
November	29·768	44·3	44·3	44·3	39·5	51·1	26·3	29th	63·0	19th	1·6	1·4	1·5	·264	·263	·264	88·4	88·8	88·6
December	29·965	38·4	39·3	38·9	35·7	42·6	**24·1**	**21st**	53·9	1st	2·0	2·0	2·0	·196	·203	·200	83·3	83·4	83·4
Year	29·866	49·6	49·2	49·4	44·6	55·5	—	—	—	—	2·7	2·2	2·5	·300	·305	·303	82·2	84·5	83·4

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	29·529	41·2	42·6	41·9	36·0	48·1	25·2	29th	55·2	7th	1·2	1·1	1·2	·240	·254	·247	90·4	91·3	90·9
February	·975	38·8	38·2	38·5	33·6	45·7	22·4	8th	52·8	20th	1·4	1·3	1·4	·211	·208	·210	87·5	88·6	88·1
March	·607	43·4	41·8	42·6	35·8	50·5	23·4	2nd	56·9	12th	1·8	1·4	1·6	·248	·239	·244	86·5	88·5	87·5
April	·646	47·9	44·1	46·0	37·5	54·7	27·2	3rd	62·7	20th	4·1	2·4	3·3	·242	·239	·241	72·9	82·2	77·6
May	·591	53·9	50·6	52·3	43·8	60·1	31·1	31st	73·9	24th	3·5	2·4	3·0	·327	·310	·319	78·8	84·0	81·4
June	·756	57·2	54·7	56·0	49·2	62·9	40·2	7th	69·9	15th	1·4	0·5	1·0	·427	·415	·421	91·0	96·3	93·7
July	·722	57·6	55·6	56·6	49·1	63·8	36·8	10th	70·1	13th	1·3	0·5	0·9	·441	·430	·436	92·0	96·8	94·4
August	·698	57·9	54·2	56·1	48·0	63·4	35·2	31st	73·5	8th	2·6	1·7	2·2	·410	·381	·396	83·8	88·7	86·3
September	·850	58·4	56·8	57·6	51·8	64·0	42·2	10th	**74·3**	**6th**	2·5	1·7	2·1	·416	·413	·415	85·3	89·2	87·3
October	·939	50·8	50·0	50·4	44·4	56·9	31·6	18th	64·1	3rd	1·7	1·7	1·7	·334	·322	·328	88·6	87·8	88·2
November	·643	43·1	42·5	42·8	36·5	50·2	**18·6**	**29th**	60·1	19th	1·2	1·4	1·3	·261	·250	·256	90·2	88·1	89·2
December	29·807	34·5	35·3	34·9	29·9	40·6	18·8	21st	53·6	1st	1·3	1·4	1·4	·179	·182	·181	86·6	86·1	86·4
Year	29·730	48·7	47·2	48·0	41·3	55·1	—	—	—	—	2·0	1·5	1·8	·311	·304	·308	86·1	89·0	87·6

KILLARNEY

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

	ins.	°	°	°	°	°	°		°		°	°	°	in.	in.	in.	%	%	%
January	29·637	44·7	45·7	45·2	39·3	50·9	23·7	29th	57·0	9th	1·7	1·6	1·7	·257	·270	·264	87	88	88
February	30·038	40·9	38·7	39·8	34·1	47·3	23·3	6th	55·8	22nd	1·5	1·0	1·2	·225	·215	·220	88	91	89
March	29·731	44·9	43·1	44·0	38·0	50·7	21·5	3rd	57·0	31st	2·2	1·5	1·9	·249	·245	·247	84	88	86
April	·737	48·1	45·7	46·9	40·9	54·6	31·0	3rd	64·8	20th	3·0	1·8	2·4	·265	·266	·265	79	87	83
May	·654	53·6	50·4	52·0	44·2	58·9	35·5	1st, 13th	72·0	24, 25	3·5	2·4	2·9	·319	·305	·312	77	83	80
June	·875	56·9	55·1	56·0	50·9	62·1	42·3	24th	69·0	15th	2·7	1·6	2·2	·385	·386	·386	83	89	86
July	·851	58·1	55·8	56·9	51·0	63·0	38·2	4th	69·0	21, 23	2·3	1·5	1·9	·413	·401	·407	86	90	88
August	·815	57·7	54·8	56·3	49·0	63·2	37·7	30th	**72·5**	**6th**	2·5	1·5	2·0	·401	·385	·393	84	90	87
September	29·947	59·5	57·4	58·4	52·3	64·0	41·0	18th	69·6	8th	2·3	1·5	1·9	·434	·425	·429	85	90	88
October	30·076	54·2	52·4	53·3	47·0	58·8	33·1	27th	65·0	8th, 9th	1·7	1·7	1·7	·371	·348	·360	88	88	88
November	29·784	45·5	44·9	45·2	38·9	52·6	**17·0**	**28, 29**	60·0	2nd	1·4	1·3	1·3	·272	·268	·270	89	90	89
December	29·873	37·7	38·5	38·1	32·3	43·6	20·5	27, 28	54·0	1st	1·1	1·1	1·1	·204	·211	·207	90	91	91
Year	29·835	50·2	48·5	49·3	43·2	55·8	—	—	—	—	2·2	1·5	1·9	·316	·310	·313	85·0	88·8	86·9

DUBLIN (City).

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

1890.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January	6·0	5·7	5·9	2·975	·843	26th	21	5	3	0	3	10	11	2	1	1	3	10	19	22	1	3
February	8·0	6·5	7·3	0·802	·278	16th	7	2	1	0	3	13	1	3	5	12	12	5	3	8	5	3
March	6·3	6·5	6·4	3·693	**·976**	**24th**	17	6	3	1	2	10	4	3	3	4	3	5	11	25	7	1
April	5·5	5·2	5·4	1·575	·439	15th	14	1	5	1	4	7	2	8	5	11	6	4	4	8	7	7
May	5·9	5·9	5·9	2·438	·456	3rd	17	0	1	0	4	8	0	3	9	13	11	6	7	9	3	1
June	7·4	5·7	6·6	1·930	·362	11th	18	0	2	2	0	7	2	4	1	0	4	5	17	19	9	1
July	7·2	5·8	6·5	2·174	·376	25th	24	0	0	0	0	11	2	11	1	2	2	2	13	22	8	1
August	6·5	5·1	5·8	2·799	·851	22nd	19	0	1	0	1	8	2	6	4	7	1	0	7	18	18	1
September	6·5	5·3	5·9	2·469	·878	20th	14	0	0	0	3	7	4	1	0	0	5	17	10	18	8	1
October	6·1	4·4	5·3	0·639	·164	25th	11	1	1	0	4	9	1	2	1	0	1	0	9	27	17	5
November	5·8	6·2	6·0	4·212	·625	10th	27	3	5	0	4	9	5	5	3	0	4	4	17	16	9	2
December	7·5	7·7	7·6	1·856	·597	2nd	11	3	6	0	1	18	2	2	8	17	9	7	2	5	4	8
Year	6·6	5·8	6·2	27·562	—	—	200	21	28	4	29	117	36	50	41	67	61	65	119	197	96	34

PARSONSTOWN (Birr Castle).

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

				ins.	ins.																	
January	7·1	8·7	7·9	5·845	·831	26th	26	6	6	3	0	19	0	1	1	0	3	15	21	1	0	20
February	6·9	6·3	6·6	0·810	·167	1st	9	3	1	0	5	12	0	1	2	6	9	2	1	0	1	34
March	7·0	6·7	6·9	3·119	**1·320**	**15th**	16	4	0	0	3	14	0	0	1	1	4	4	11	7	10	24
April	7·3	6·4	6·9	0·694	·148	6th	14	0	1	0	3	15	0	2	6	2	10	6	3	4	9	18
May	7·5	5·2	6·4	1·507	·171	10th	16	0	1	2	4	11	0	0	2	5	13	2	3	2	2	33
June	9·0	7·4	8·2	2·499	·279	7th	22	0	2	0	0	17	0	1	1	0	3	2	25	7	3	18
July	8·9	7·2	8·1	2·228	·420	25th	19	0	2	0	0	17	0	3	0	0	2	1	11	4	8	33
August	7·6	4·6	6·1	3·307	·951	22nd	20	0	2	1	0	8	0	1	0	1	1	2	14	2	7	34
September	8·8	6·2	7·5	3·244	·955	21st	17	0	0	0	1	15	0	0	0	0	11	2	13	3	1	30
October	7·4	6·5	7·0	2·363	·670	6th	15	1	0	0	3	17	0	0	0	0	0	0	6	9	6	41
November	7·1	5·4	6·3	5·336	·808	10th	25	2	0	1	3	9	1	0	0	0	5	3	7	6	7	32
December	5·8	6·1	6·0	1·936	·550	2nd	9	2	0	0	4	10	0	1	8	0	12	2	0	1	1	37
Year	7·5	6·4	7·0	32·888	—	—	208	18	15	7	26	164	1	10	21	15	73	41	115	46	55	354

KILLARNEY.

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

				ins.	ins.																	
January	7·2	6·4	6·8	11·455	1·820	6th	27	3	4	4	0	8	12	5	0	3	2	3	21	18	8	2
February	7·7	5·8	6·8	2·805	·885	12th	13	0	0	1	2	11	2	9	2	16	5	3	5	5	2	9
March	7·1	5·1	6·1	4·748	·760	14th	18	1	0	1	3	8	1	8	3	4	1	1	7	13	15	10
April	6·8	4·7	5·7	2·485	·365	29th	19	0	2	1	5	10	1	13	0	17	7	2	3	7	6	5
May	8·2	6·5	7·4	4·015	·755	2nd	26	0	1	3	0	10	0	2	1	15	10	6	5	4	7	12
June	8·1	8·2	8·1	4·320	·700	27th	21	0	1	0	0	17	1	10	1	1	1	0	7	24	14	2
July	8·2	6·4	7·3	2·685	·360	11, 13	17	0	0	0	0	11	0	18	0	0	0	1	9	13	13	8
August	7·0	5·5	6·3	3·875	·665	10th	19	0	0	0	1	5	2	18	3	5	0	1	4	11	7	13
September	7·3	6·2	6·7	3·025	·550	20th	16	0	0	0	2	13	3	5	5	2	2	7	8	12	6	13
October	7·5	6·2	6·9	3·365	·635	31st	17	0	1	0	1	14	1	7	2	0	0	3	9	18	9	14
November	7·4	6·4	6·9	8·072	1·410	13th	24	0	1	2	2	12	4	4	8	0	0	3	8	17	13	7
December	7·1	7·8	7·4	5·235	**1·900**	**11th**	16	1	0	0	1	18	0	3	18	16	2	2	0	3	5	13
Year	7·5	6·3	6·9	56·085	—	—	233	5	10	12	17	137	27	102	43	79	30	32	86	145	105	108

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

VALENCIA - - - - - - -

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

1890.	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 -	29·716	45·4	46·4	45·9	41·4	50·2	30·7	29th	54·3	18th	2·1	2·2	2·2	·262	·271	·267	85·0	84·9	85·0
February -	30·115	42·5	42·4	42·5	39·1	47·4	31·7	6th	51·9	22nd	2·1	2·0	2·1	·231	·231	·231	84·3	84·3	84·3
March -	29·825	45·0	45·1	45·1	40·4	49·6	30·2	3rd	58·5	31st	2·2	2·2	2·2	·251	·256	·254	83·8	83·8	83·8
April -	·827	48·1	47·1	47·6	43·8	52·9	36·5	3rd	57·9	14th	2·5	2·1	2·3	·278	·277	·278	82·7	85·2	84·0
May -	·735	52·7	51·4	52·1	47·5	57·6	40·7	1st	70·7	24th	2·9	2·6	2·8	·325	·316	·321	81·6	83·2	82·4
June -	·970	55·5	54·6	55·1	51·9	59·9	47·9	28th	67·0	15th	2·1	1·6	1·9	·382	·382	·382	86·3	89·3	87·8
July -	·952	57·2	55·9	56·6	52·8	60·9	46·8	10th	63·6	31st	2·2	2·0	2·1	·406	·392	·399	86·2	86·9	86·6
August -	29·916	57·7	55·9	56·8	52·4	62·2	42·9	31st	**73·5**	**8th**	3·0	2·4	2·7	·392	·381	·387	81·9	84·6	83·3
September	30·030	58·1	57·4	57·8	54·4	61·8	48·8	18th	68·0	6th	1·7	1·5	1·6	·434	·429	·432	89·7	90·9	90·3
October -	30·167	54·6	54·0	54·3	50·5	57·7	39·5	26th	62·3	7th	1·9	2·1	2·0	·379	·365	·372	87·7	86·1	86·9
November	29·878	47·0	47·3	47·2	43·1	51·3	**28·7**	**27th**	57·6	1st	1·8	2·4	2·1	·289	·279	·284	86·3	82·7	84·5
December	29·947	41·1	41·1	41·1	37·5	44·8	29·4	31st	53·1	1st	1·7	1·7	1·7	·226	·226	·226	86·3	86·1	86·2
Year -	29·923	50·4	49·9	50·2	46·2	54·7	—	—	—	—	2·2	2·1	2·2	·321	·317	·319	85·2	85·7	85·5